2.24137

# PLINKY PROPERTY

WEST GROUP
EBY TOWNSHIP
NTS 42 A/1
80°10′W 48°04′N

Prepared By: Eric Marion

Aug 27/02

42A01SE2012 2.24137 EBY 010

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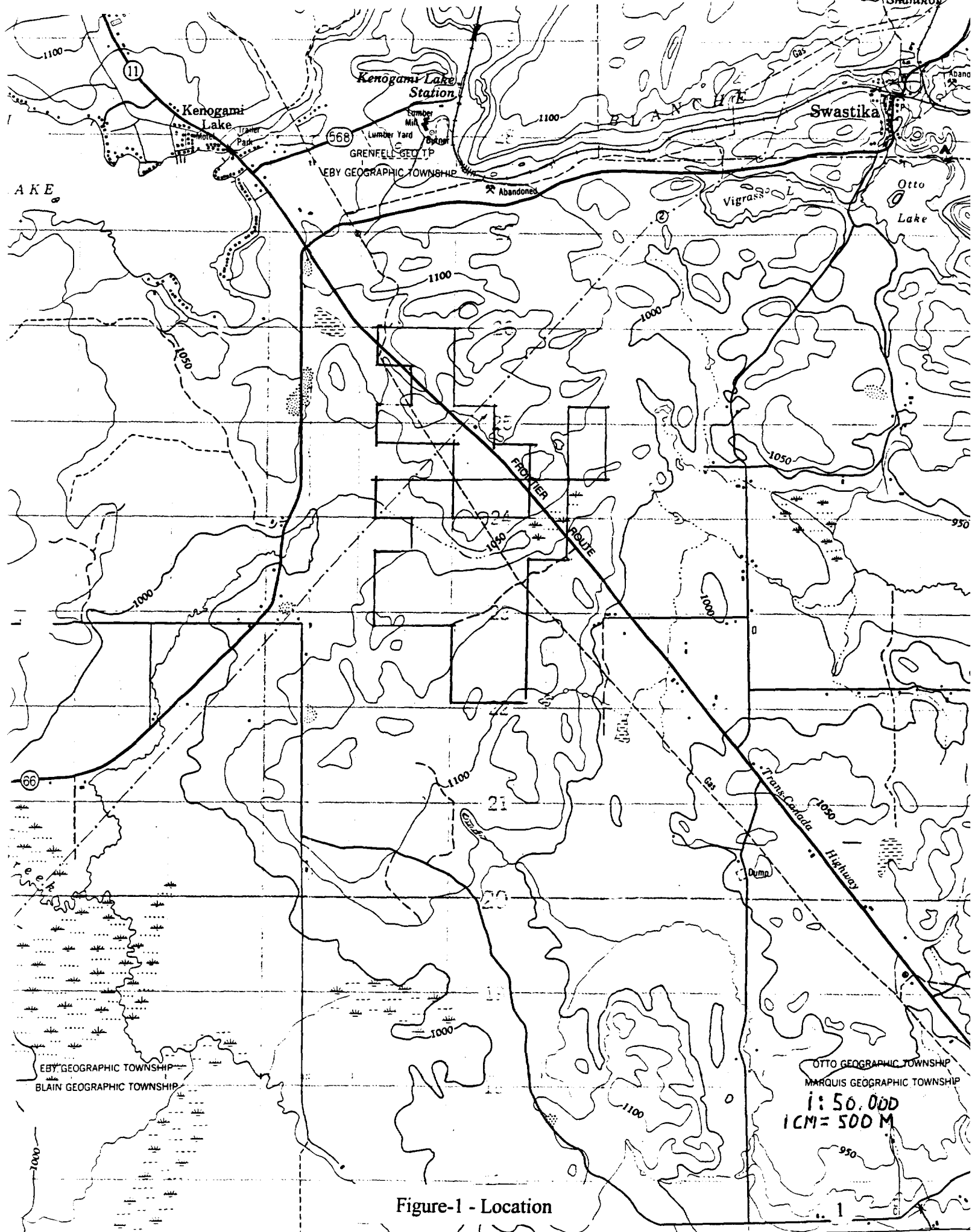



Figure-1 - Location

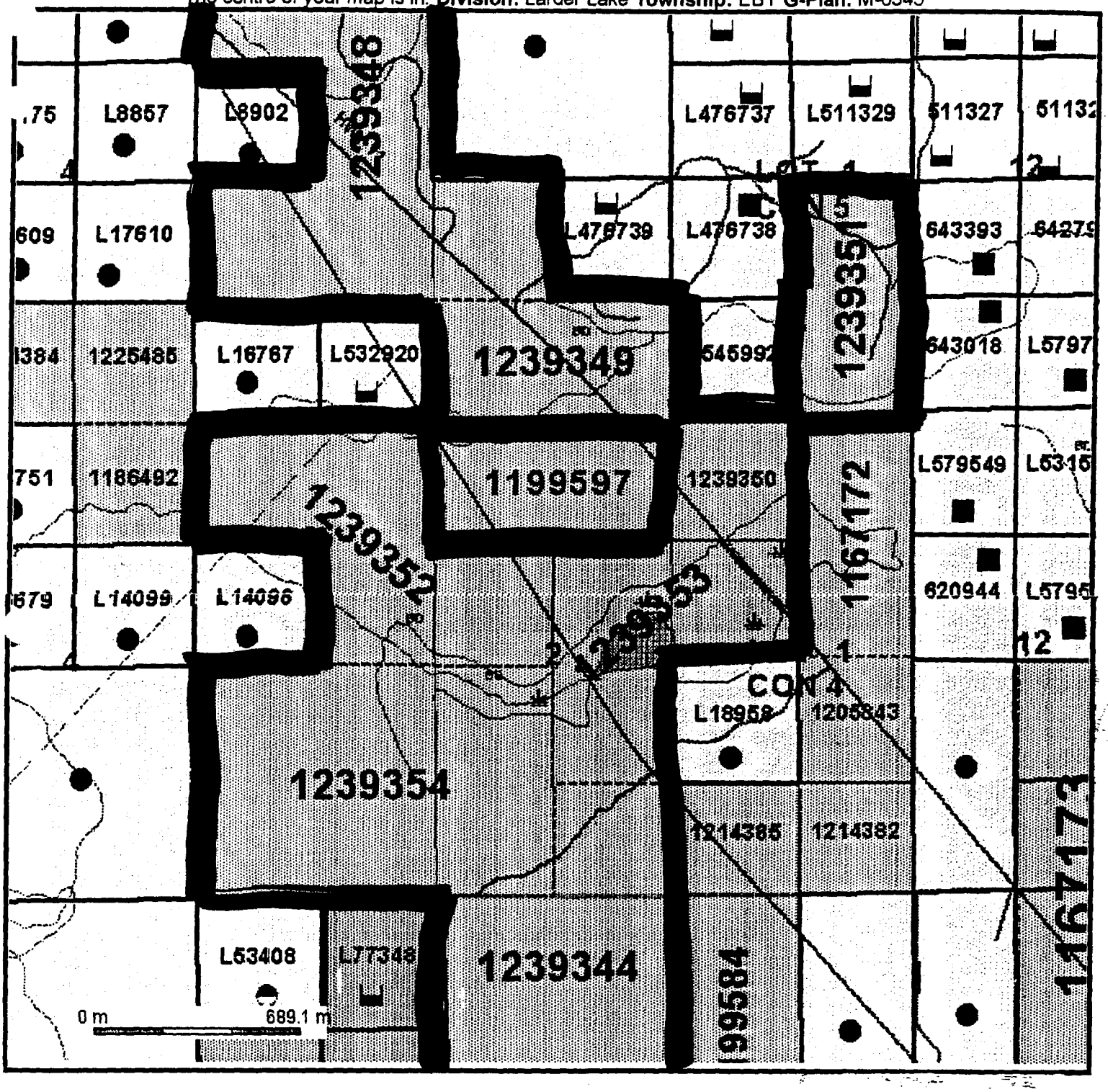



Figure-2 Claim Map

## PROPERTY LOCATION

The property is located in the Larder Lake mining division approximately 12 kilometers south-west of Kirkland Lake. The claim group sits midway in the eastern end of the township, and abutts to the N/S Eby-Otto Twp. line in Eby Township. This area is in the Kirkland Lake Geologist District and can be found on NTS-42 A/1 with the geographic center being at approximately 80°10'W and 48°04'N.

## ACCESS

Heading south on Hwy.#11 from the intersection of Hwy.#66 and the trans-Canada Hwy.#11 at Kenogami for 4 kilometers will bring you to the approximate geographic center of the group. The many small hunting roads hydro transmission lines and gas pipelines give improved access to many areas.

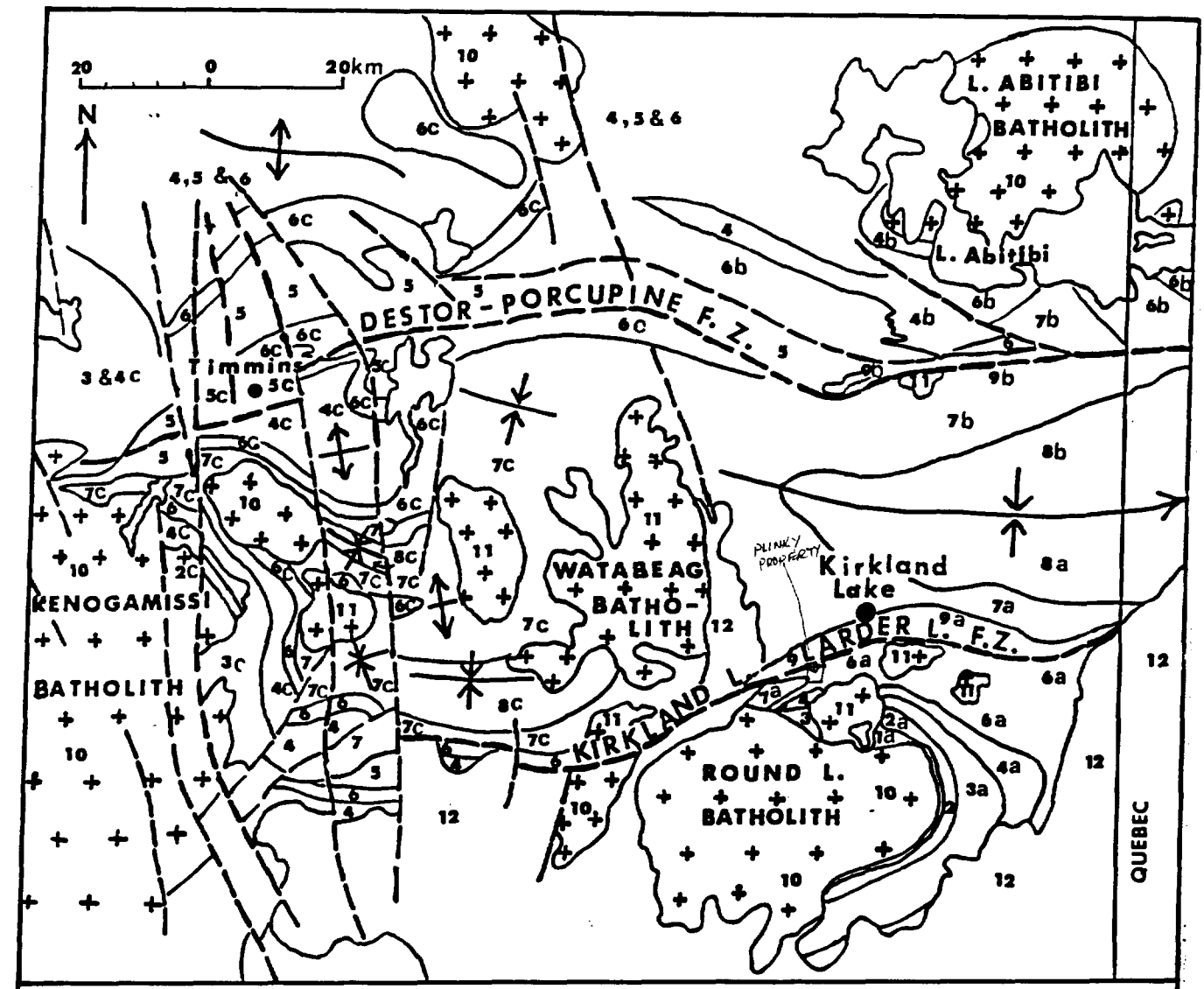
## CLAIMS

This property consists of eight contiguous staked mining claim blocks totalling 29 claim units recorded on Plan M-345 of Eby Township, which is a subdivided township. The claims and descriptions are as follows:

CL#1239344— Lot 2, Con.3 N1/2. + Lot 2, Con.4 S1/2-SE1/4
CL#1239348— Lot 3, Con.5 N1/2{no SW1/4} + Lot 3,Con.5 N1/2 of S1/2
+ Lot 2, Con.5 S1/2-NW1/4
CL#1239349— Lot 2, Con.5 S1/2 of S1/2
CL#1239350— Lot 1, Con.4 N1/2-NW1/4
CL#1239351— Lot 1, Con.5 E1/2 of S1/2
CL#1239352— Lot 3, Con.4 N1/2(no SW1/4) + Lot 2, Con.4 N1/2-SW1/4
CL#1239353— Lot 1, Con.4 N1/2-SW1/4 + Lot 2, Con.4 N1/2-SE1/4
+ Lot 2, Con.4 S1/2-NE1/4
CL#1239354— Lot 3, Con.4 S1/2 + Lot 2, Con.4 W1/2 of S1/2

## GENERAL GEOLOGY

This area lies within the Abitibi Greenstone Belt , a region of predominantly volcanic rocks and related interflow sediments at the south-central region of the Superior Province. Several eras of intrusion and deformation have affected most of the lithologies present. Major structural deformation zones, (locally the Larder-Cadillac Deformation Zone), parallel each other east to west across the belt and seem to have acted as a control over gold deposition. The Abitibi Belt is host to many large gold (and base metal) deposits on both the Ontario and Quebec sides of the border along these structural trends, and has an exploration history going back well into the 1800's. A band of altered mainly fluvial sediments, folded and upturned to a near vertical position, coincide with the main trend of this structure less than eight hundred meters to the north of the claim group. The Round Lake Batholith, a large Archaen aged granitic intrusive occurs about 2.5 kilometers to the south.




**LEGEND**

Proterozoic

Keeweenawan diabase (not shown)

12 Cobalt Group

Archean

Matachewan diabase (not shown)

Granitic rocks

11 Granodiorite, monzonite, quartz monzonite, syenite

10 Massive to gneissic quartz diorite, tonalite, trondhjemite

Upper Supergroup

9 9a* Timiskaming Group, 9b** Destor-Porcupine Complex

8 8a, 8n, Blake River Group, 8c*** Blake River (Upper Fm., Tisdale Group)

7 7a, 7b, Kinojevis Group, 7c Kinojevis Group, (Middle Fm., Tisdale Group)

6 6a Larder Lake Group, 6b Stoughton Roquemaure Group, 6c Lower Fm., Tisdale Group

5 5c Porcupine Group

Lower Supergroups

4 4a Skead Group, 4b Hunter Mine Group, 4c Upper Fm., Deloro Group

3 3a Catherine Group, 3c Middle Fm., Deloro Group

2 2a Wabewawa Group, 2c Lower Fm. Deloro Group

1 1a Pacaud tuffs****

*a refers to Kirkland Lake Area, south limb of synclinorium (Jensen 1978c, 1979).
**b refers to Kirkland Lake Area, north limb of synclinorium (Jensen 1976, 1978b).
***c refers to Timmins Area (Pyke, 1980).
**** (Goodwin, 1965).

Figure-3 - General Geology

## CLAIM GEOLOGY

The claim group lies along the northwestern contact of the Otto Stock, a syenitic intrusive complex which displays some large scale zoning features. The stock is almost circular with a diameter of about 12 kilometers. The majority of the rock north of the stock would be mafic to intermediate tholeiitic volcanic and interflow sediments with lesser komatiitic flows, previously mapped as Skead Group volcanics. A band of felsic tuffs and agglomerates with some inter-layered chemical sediments and iron formation parallel the contact of the stock and cut across the claim group in an arc .On the southern end of the claims,#3 post region of CL# 1239344, in an old drill hole, an un-sampled 90 meter wide band of amphibolite gneiss (+some altered gabbro) well mineralized with magnetite, pyrrhotite and odd chalcopyrite is logged as occurring between the sediments and the stock. Recent work by the O.G.S and the resident geologist's office, 1700 meters to the north-east of this hole along Hwy. 11, has documented anomalous gold, platinum, palladium and copper values in an amphibolite rock that may be the north-eastern extension of the zone intersected in the drill hole. This feature does not outcrop in the region of the drill hole or along strike on the claims. The western end of the claims(most of CL#1239354) cover a previously mapped gabbroic intrusive which exhibits layering or zoning of fine and coarser grained phases. Some epidote associated with quartz veins and some minor pyrites were noted on an outcrop at what would be the northern end of this unit

Several faults which parallel the Larder-Cadillac Deformation Zone cross the claim group. A fault at the north end of the group has been defined as a splay of the LCDZ, and locally displays deformation, quartz veining and intense carbonate alteration. Flow tops and pillow facings in the area generally face to the northwest on the claim group. Many small syenitic bodies outcrop in the area, some with considerable pyrite mineralization. An interesting area of exposed quartz-chert pebble conglomerate of the Skead Group lies about 200 meters north-west of the #2 post of CL# 1239354. Generally, much chloritization, carbonitization, sulfidization and quartz veining occurs on the claim group.Historic records note gold values on different parts of the area, but field work by the author has failed to positively locate these workings and duplicate the previous assays. Most "pit"-like workings encountered in the general areas of where early prior workings should be were slumped and filled to the point of not being samplable without complete re-digging,(possible next program ?)

## PREVIOUS WORK

Core drilling, geophysical surveys, trenching, mapping ,sampling and geological studies have been conducted in the search for gold.There is quite a sizable sum of exploration activity submitted as assessment work for the area surrounding these claims; also a fair amount of prospecting has been done on these claims and indeed there are ongoing programs on contiguous claim areas, but a comprehensive compilation and correlation of this information is beyond the scope and intent of this report. With the exception of the most recent prior claim holders whom defined new features, most of the earlier reported programs were concentrated on previously defined target areas and neglected the intervening areas where poor outcrop exposure hampered prospecting. An extensive study of the available data was undertaken by the author and no doubt will serve as an irreplaceable guide and basis for further exploration in the area.

In the region east-north-east of the #2 post of CL# 1239348, along the Otto/Eby Twp. Line extensive work by previous(Cheltonia Kirkland Mines, Todora Kirkland Prospecting

| No. | Date | Property/Prospector Name | Type of Exploration | Significant Results |
|---|---|---|---|---|
| (1) | 1930-48 | Todora Kirkland/ Macassa | geol., 11 ddhs, 121 ft. shaft | Cpy, Mo, Au in qtz., up to 13.39% Cu |
| (2) | 1938 | A. Johnson | 3 pits | up to 0.1 to 0.3 oz. Au/ton |
| (3) | 1945 | Sylvanite | trenches | trace to 0.023 oz. Au/ton |
| (4) | 1955-57 | Mr. Ahola | 2 shafts, trenches, 1 ddh | up to 0.2 oz. Au/ton in tuff and qtz. veins |
| (5) | 1965-69 | M. Fishkin | 3 ddhs | cpy + abund. py, cpy in south hole |
| (6) | 1965-66 | Keevil | geol., mag, EM, 3 ddhs | 8 conductors, iron fm with 15%-80% sulphides 0.005 oz. Au/ton in sludge |
| (7) | 1978-80 | P. Harrington | 5 ddhs | - |
| (8) | 1980 | KLIP | 1 OVB hole | 3,200 ppb Au in basal till |
| (9) | 1980 | Noranda | mag and EM, 1 ddh | 3 short, strong conductors, up to 0.016 oz. Au/ton over 1 m |
| (10) | 1980-84 | J. Reed | geol., mag, EM, 3 ddhs | 0.005 oz. Au/ton in grab, up to 0.01 oz. Au/ton over 1.5 m in core |
| (11) | 1984-86 | F. Rivard | trenching, 2 ddhs | up to 0.04 oz. Au/ton in grabs |
| (12) | 1971 | T GUTARIE | TRENCHING | UP TO .180Z IN GRABS 1.800 ZA IN GRABS |
| (13) | 1944 | A LUMSDEN | SHAFT 40' | SHAFT IN RED PORP. DYKE PINK QZ VEIN AT BOTTOM |

## LEGEND

**PROTEROZOIC**

**ALKALIC INTRUSIVE ROCKS**

7 — 7a Coarse-grained syenite, syenite porphyry, pegmatite.
7b Mafic syenite, syenite contaminated by country rocks.
7c Medium-grained syenite, aplite dikes.

INTRUSIVE CONTACT

**ARCHEAN**

**MAFIC INTRUSIVE ROCKS (MATACHEWAN OR NIPISSING)**

6 — 6 Diabase.

INTRUSIVE CONTACT

**FELSIC INTRUSIVE ROCKS (ALGOMAN)**

5 — 5a Granite, porphyritic granite, granodiorite.
5b Granodioritic gneiss.
5c Syenite and trachyte.
5d Mafic syenite and mafic trachyte.

INTRUSIVE CONTACT

**EARLY MAFIC AND ULTRAMAFIC ROCKS (HAILEYBURIAN, EARLY ALGOMAN, AND KEEWATIN)**

4 — 4a Serpentinite, peridotite.
4b Gabbro, diorite.

INTRUSIVE CONTACT

**METASEDIMENTS (TIMISKAMING AND KEEWATIN)**

3 — 3a Conglomerate.
3b Quartzite, greywacke.
3c Tuff, agglomerate, minor amounts of trachyte agglomerate, breccia.

UNCONFORMITY AND INTERBEDDING

**FELSIC METAVOLCANICS (KEEWATIN)**

2 — 2a Rhyolite, dacite.
2b Iron formation, silicic tuff, agglomerate.
2c Dacite porphyry, amygdaloidal and spherulitic dacite.

**MAFIC METAVOLCANICS AND METASEDIMENTS**

1 — 1 Unsubdivided mafic volcanics.
1a Basalt, andesite.
1b Chlorite mafic tuff, agglomerate.
1c Altered (bleached, carbonatized) volcanic and sedimentary rocks.
1d Amphibolite, garnet-epidote amphibolite, amphibolite gneiss.
1e Andesite porphyry, amygdaloidal and spherulitic dacite.
1g Biotite-garnet-pyroxene amphibolite.

## SYMBOLS

- Glacial striae.
- Area of bedrock outcrop.
- Bedding, top unknown; (inclined, vertical).
- Lava flow; top (arrow) from pillows shape and bedding.
- Schistosity; (horizontal, inclined, vertical).
- Gneissosity, (horizontal, inclined, vertical).
- Geological boundary, observed.
- Geological boundary, position interpreted.
- Fault; (observed, assumed). Spot indicates down throw side, arrows indicate horizontal movement.
- Lineament.
- Drag folds with plunge.
- Anticline, syncline, with plunge.
- Drill hole; (vertical, inclined).
- Vein, vein network. Width in inches.
- Shaft; depth in feet.
- Motor road. Provincial highway number encircled where applicable.
- Other road.
- Trail, portage or winter road.
- Building.

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0 1/4 1/2 Mile

0 500 Metres

1 inch = 1/4 mile

# FIGURE 4

## PROPERTY GEOLOGY AND EXPLORATION

(After OGS Map 2239)

Syndicate,Taylor Gold Mines) and present claim holders(A. Alsop, Mask Resources) has defined an area of intense iron/carbonate alteration in mafic/ultramafic (komatiitic?) flows. Documented gold values hosted within silicified/pinkish quartz veined , pyritized shears along what is locally refered to as the Eby-Otto Fault.This is a mapped splay of the Larder-Cadillac Fault Zone, a host to more than 50 million ounces of gold production in the immediate region.(Matachewan to Virginiatown).A distinct hemititic alteration, seemingly focused along coincident flow top/faults was described in drill logs by Alsop/Mask. Further to the east along strike in what have been identified as komatiitic flows, core drilling by Queenston Mining has encountered good gold values in altered pyritized/veined sections across minable widths.

If this fault structure persists westward it strikes across MC#1239348 in the region immediately north of the #2 post, the area previously described by D. Robinson (1995) as intensely Fe/Ca altered. Work by Robinson did not disclose apreciable sulphides associated with the zone north of the transmission lines.

## PRESENT WORK/RESULTS

During the summer of 2002, a fan of core holes were drilled on CL# 1239348 to sample an area of intense carbonate alteration with many cross-cutting quartz veins . These holes were done using an old "Pack Sack" type diamond drill. These holes, EDH-2, EDH-3, and EDH-4 went to completion depths of 23 feet, 91 feet, and 95 feet respectively.With the very fractured nature of the rocks along this faulted area, this was no easy task!

With the execption of the veined and the silicified/sulphidized section at the top of the holes , the holes cut what is decidedly similar to the lithologies described by Alsop/Mask to the east of the claim group, right down to the stockwork of pinkish quartz veins.The flow top controlled hemitization as well as described gangue minerals would tend to indicate similar lithologies or similar stratigraphic positions of the two areas.

## CONCLUSIONS/RECCOMENDATIONS

Depending marginally on the geochemical assesment of the samples obtained, a more comprehensive evaluation of this area as well as a more encompasing evaluation of the Eby/Otto Fault Zone should be undertaken given that there are already proven documented gold enrichments hosted along its lenght.The rock exposed by this drill program is but one target to begin at to test the basically untouched potential of the E-O Fault.

# DRILL HOLE SECTION - FACING EAST

EDH-2 EDH-3 EDH-4

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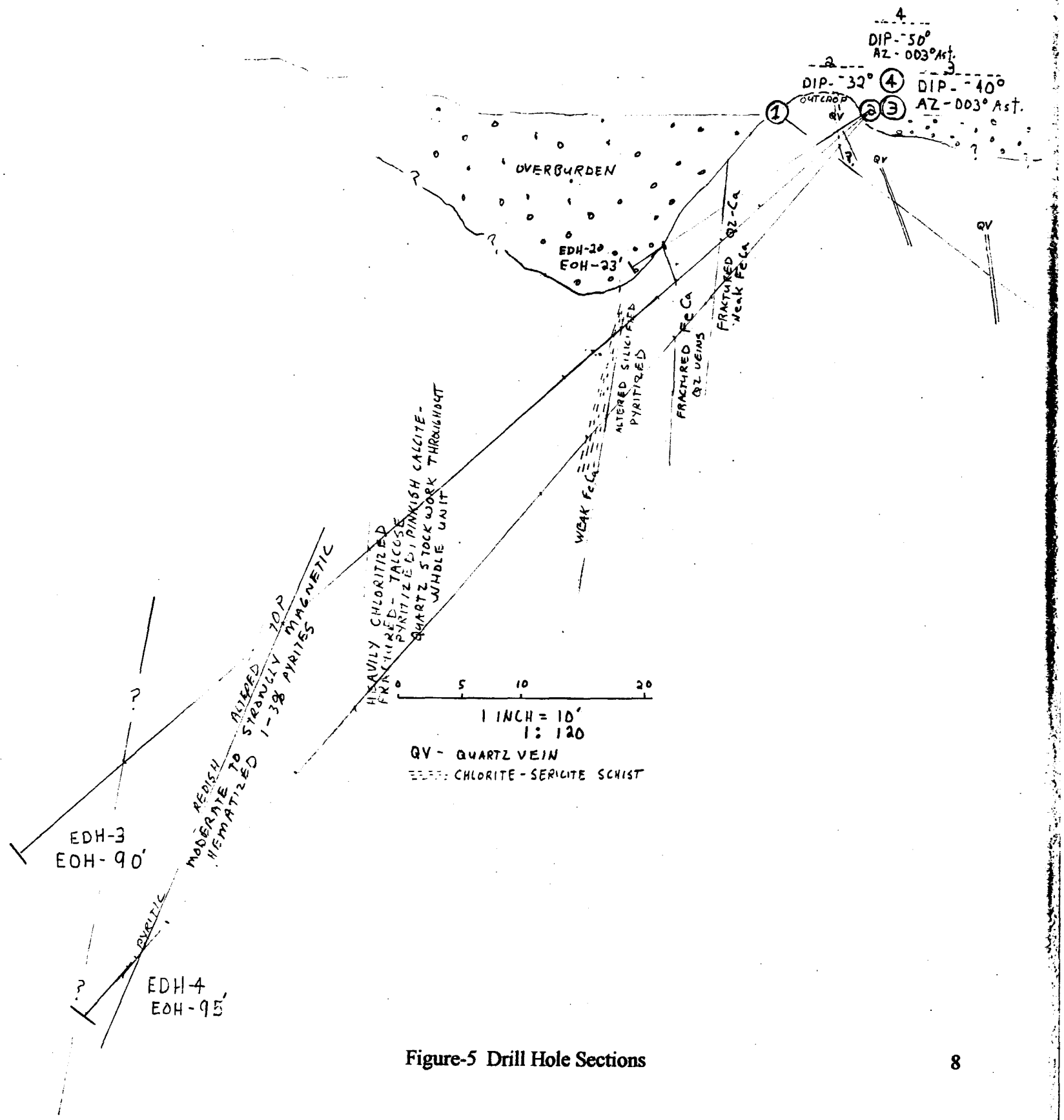



**Figure-5 Drill Hole Sections**

# DRILL HOLE LOCATION MAP

CLAIM # 1239348 - EBY TWP.

LOT 2, CONSESSION 5, S½, NW¼

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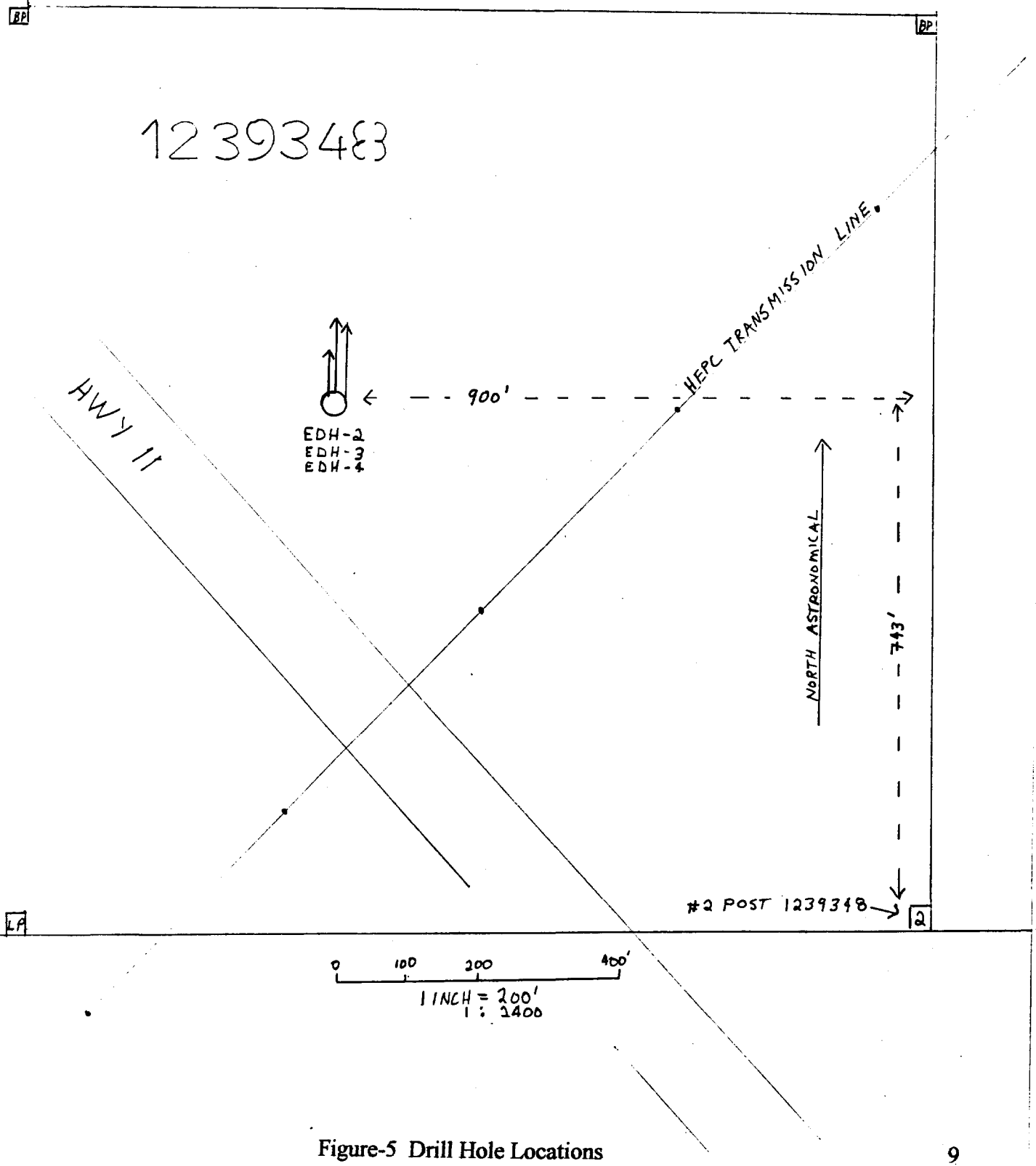



Figure-5 Drill Hole Locations

Ontario Ministry of Northern Development and Mines / Ministère du Développement du Nord et des Mines

# Diamond Drilling Log / forage au diamant

Fill in on every page / Remplir ces cases à chaque page

Hole No. / Forage n° EDH-2 | Page No. / Page n° 1

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Drilling Company / Compagnie de forage: ERIC MARION | Collar Elevation / Élévation du collier | Bearing of hole from true North/Position du forage par rapport au nord vrai: 003°Azt | Total Footage / Avancement total du forage: 23' | Dip of Hole at / Inclinaison du forage au: Collar/collier -32° | Address/Location where core stored / Adresse/endroit où la carotte est stockée: 126 DUNCAN AVE KIRKLAND LAKE | Map Reference No. / N° de référence sur la carte: NTS-42-A\1 | Claim No. / N° de concession minière: 1239348 |

| | | | | | |
|---|---|---|---|---|---|
| Date Hole Started / Date de commencement du forage: JUNE 30, 2002 | Date Completed / Date d'achèvement: JULY 2, 2002 | Date Logged / Date d'inscription au journal: JULY 2/2002 | Logged by / Inscrit par: ERIC MARION | Ft./Pi ° | Location (Twp. Lot, Con. or Lat. and Long.) / Emplacement (canton, lot, concession, ou latitude et longitude): EBY TWP. M-345 LOT 2, CONS, S½, NW¼ |
| Exploration Co., Owner or Optionee / Compagnie d'exploration, propriétaire ou titulaire d'option: ERIC MARION | | Date Submitted / Date de dépôt: AUG 27/2002 | Submitted by (Signature) / Déposé par (signature): [signature] | Ft./Pi ° | Property Name / Nom de la propriété: PLINKY PROPERTY |

| Footage/Avancement From/De | To/À | Rock Type / Type de roche | Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.) | Planar Feature Angle*/Angle des caractéristiques planes | Core Specimen Footage †/ Longueur en pieds des carottes prélevées | Your Sample No. / N° d'échantillon du prospecteur | Sample Footage/Niveau de prélèvement de l'échantillon (en pieds) From/De | To/À | Sample Length / Longueur de l'échantillon | Assays †/Analyses minéralurgiques | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 20 | ALTERED VOLCANICS | FINE TO MEDIUM GRAINED, GREYISH GREEN, BLEACHED | | SLUDGE | EDH1-1 | 0 | 15 | 15' | | | |
| | | | APPEARING MAFIC VOLCANIC FLOW - FLOW BRECCIA. MANY | | | | | | | | | |
| | | | CROSSCUTTING QZ CALCITE VEINS 1/8" TO 1" | | | | | | | | | |
| | | | ORIENTED AT 38°, 55° TO 60° AND 75° TO C.A; | | | | | | | | | |
| | | | DOMINANTLY CALCITE QZ VEINLETS TO 11", SOMEWHAT | | | | | | | | | |
| | | | RUSTY Fe Ca VEINLETS TO 20! | | | | | | | | | |
| | | 1' VEIN | 9' TO 10' QZ BRECCIA VEIN WITH WALLROCK | | | | | | | | | |
| | | | INCLUSIONS ODD PYRITE | | | | | | | | | |
| | | 5' VEINING | QZ Fe Ca BRECCIA VEINS WITH RUSTY PATCHES, | | | | | | | | | |
| | | | SOME YELLOW SERICITE DEVELOPED IN WISPS AND | | | | | | | | | |
| | | | MASSES, FRACTURE QZ 18½' TO 20' WITH WISPY | | | | | | | | | |
| | | | CHLORITIC FRACTURES | | | | | | | | | |
| 20' | 23' | OVERBURDEN | HOLE BROKE OUT INTO TILL, DRILL | | | | | | | | | |
| | | | AHEAD 3' ENCOUNTER SEVERAL COARSE | | | | | | | | | |
| | | | GRAINED MAFIC VOLCANIC CLASTS TO 9" | | | | | | | | | |
| | | | AND ONE 10" PALE PINK GRANITIC COBBLE, | | | | | | | | | |
| | | | IN A MATRIX OF GREYISH CLAY | | | | | | | | | |
| | 23' | | EOH | | | | | | | | | |

0204 (03/91)

*For features such as foliation, bedding, schistosity, measured from the long axis of the core.
*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

† Additional credit available. See Assessment Work Regulation.
† Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.
Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

Ministry of Northern Development and Mines — Ministère du Développement du Nord et des Mines — Ontario

# Diamond Drilling Log — Journal de forage au diamant

Complete this form and related sketch in duplicate. — Remplir en deux exemplaires la présente formule et le croquis annexé

Fill in on every page — Remplir ces cases à chaque page

Hole No. / Forage n° EDH-3 | Page No. / Page n° 1

| | | | | | | |
|---|---|---|---|---|---|---|
| Drilling Company / Compagnie de forage: ERIC MARION | Collar Elevation / Élévation du collier | Bearing of hole from true North/Position du forage par rapport au nord vrai: 003° Azt | Total Footage / Avancement total du forage: 90' | Dip of Hole at / Inclinaison du forage au: Collar/collier -40° | Address/Location where core stored / Adresse/endroit où la carotte est stockée: 126 DUNCAN AVE KIRKLAND LAKE | Map Reference No. / N° de référence sur la carte: NTS-42A/1 |
| Claim No. / N° de concession minière: 1239348 | | | | | | |
| Date Hole Started / Date de commencement du forage: JULY 3, 2002 | Date Completed / Date d'achèvement: JULY 21, 2002 | Date Logged / Date d'inscription au journal: JULY 22/02 | Logged by / Inscrit par: ERIC MARION | Ft./Pi | | Location (Twp. Lot, Con. or Lat. and Long.) / Emplacement (canton, lot, concession, ou latitude et longitude): EBY TWP. M-345 LOT 2, CONS, S½, NW ¼ |
| Exploration Co., Owner or Optionee / Compagnie d'exploration, propriétaire ou titulaire d'option: ERIC MARION | | Date Submitted / Date de dépôt: AUG 29/2002 | Submitted by (Signature) / Déposé par (signature): Eric Marion | Ft./Pi | | Property Name / Nom de la propriété: PLINKY PROPERTY |

2.24137

| Footage/Avancement From/De | To/À | Rock Type / Type de roche | Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.) | Planar Feature Angle*/Angle des caractéristiques planes | Core Specimen Footage †/Longueur en pieds des carottes prélevées | Your Sample No. / N° d'échantillon du prospecteur | Sample Footage/Niveau de prélèvement de l'échantillon (en pieds) From/De | To/À | Sample Length / Longueur de l'échantillon | Assays †/Analyses minéralurgiques |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 53 | ALTERED MAFIC VOLCANICS | FINE TO MEDIUM GRAINED, GREYISH GREEN, BLEACHED | | SLUDGE | EDH-3-1 | 0 | 17 | 17' | |
| | | | APPEARING MAFIC VOLCANIC FLOW – FLOW BRECCIA. MANY | | SLUDGE | EDH3-2 | 17 | 29 | 12' | |
| | | | CROSS CUTTING QZ-CALCITE VEINS ⅛" TO 1" ORIENTED | | SLUDGE | EDH-3-3 | 29 | 42 | 13' | |
| | | | AT 30° 45° 50° AND 70° TO C.A. SHEARING AND | | SLUDGE | EDH-3-4 | 42 | 53 | 11' | |
| | | | WEAK FOLIATION AT APPROX 45° TO C.A. CENTER OF | | SLUDGE | EDH-3-5 | 53 | 65 | 12' | |
| | | | SHEARING AT 26½' WHERE CHLORITE-SERICITE SCHIST | | SLUDGE | EDH-3-6 | 65' | 78' | 13' | |
| | | | DEVELOPED FOR ABOUT 1 FOOT. 0-11' → QZ-CALCITE DOMINANT, | | SLUDGE | EDH-3-7 | 78 | 90 | 12' | |
| | | | 11' TO 20' → QZ-CALCITE, Fe Ca DOMINANT, 20' TO 26½' → | | | | | | | |
| | | | SILICIFIED PYRITIZED, 26½' TO 33' → Fe Ca DOMINANT, 33' TO 53' → | | | | | | | |
| | | | CALCITE WITH PINKISH FELDSPAR (ORTHOCLASE?) AND PALE GREEN (EUCHSITE? CHLORITE?) | | | | | | | |
| | | | MINERAL DOMINANT, ODD PYRITE AND CHPY THROUGHOUT | | | | | | | |
| | | 8" VEIN | 2' TO 2'8" – QZ FeCa VEIN CONTACTS AT 60° TO CA | | | | | | | |
| | | 1' VEIN | 9' TO 10' – QZ BRECCIA VEIN WITH SMALL WALLROCK INCLUSIONS | | | | | | | |
| | | | SCANT PYRITE | | | | | | | |
| | | 5' VEIN | 15' TO 20' QZ FeCa BRECCIA VEIN, RUSTY PATCHES, SOME SERICITE | | | | | | | |
| | | | DEVELOPED IN WISPY STRINGERS, QZ SECTIONS FRACTURED WITH | | | | | | | |
| | | | WISPY CHLORITE. | | | | | | | |
| | | 6½' VEIN | 20' TO 26½', VERY LIGHT GREY GREEN, SILICIFIED, VEINED | | | | | | | |
| | | | SECTION, WISPY CHLORITIC FRACTURES THROUGHOUT. SOME | | | | | | | |

0204 (03/91)

*For features such as foliation, bedding, schistosity, measured from the long axis of the core.
*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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Ontario Ministry of Northern Development and Mines / Ministère du Développement du Nord et des Mines

# Diamond Drilling Log / Journal de forage au diamant

Complete this form and related sketch in duplicate. / Remplir en deux exemplaires la présente formule et le croquis annexé

Fill in on every page / Remplir ces cases à chaque page

Hole No. / Forage n° EDH-3

Page No. / Page n° 2

| Footage/Avancement From/De | Footage/Avancement To/À | Rock Type / Type de roche | Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.) | Planar Feature Angle*/Angle des caractéristiques planes | Core Specimen Footage † / Longueur en pieds des carottes prélevées | Your Sample No. / N° d'échantillon du prospecteur | Sample Footage/Niveau de prélèvement de l'échantillon (en pieds) From/De | Sample Footage/Niveau de prélèvement de l'échantillon (en pieds) To/À | Sample Length / Longueur de l'échantillon | Assays † / Analyses minéralurgiques |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | RELICT BRECCIA TEXTURES APARENT. FRACTURES GENERALLY | | | | | | | |
| | | | AT ABOUT 50° TO C.A. FINE DISSEMINATED PYRITES | | | | | | | |
| | | | THROUGHOUT SECTION. ODD WISP OF ORTHOCLASE AT | | | | | | | |
| | | | ABOUT 50° TO CA. 26' TO 26½' 10-20% PYRITES AS | | | | | | | |
| | | | CONTACT WITH SCHIST IS APPROACHED. SOME FINE GRAINED | | | | | | | |
| | | | SERICITE DEVELOPED THROUGH SECTION IN WISPS AND | | | | | | | |
| | | | AGGREGATIONS. | | | | | | | |
| | | | 30-53' STRAINED APPEARING ALTERED, CHLORITIC VOLCANIC | | | | | | | |
| | | | MUCH ORTHOCLASE-CALCITE-QZ VEINS FROM ⅛" TO 4" | | | | | | | |
| | | | IN MASSES AND CROSSCUTTING AT 45° TO 55° TO C.A. | | | | | | | |
| | | | MINOR YELLOW AND WHITISH SERICITE IN WISPS AND SMALL | | | | | | | |
| | | | MASSES THROUGHOUT. HARDNESS OF SECTION ABOUT ±3 | | | | | | | |
| | | | 53' - CONTACT, GROUND OUT INDISTINCT ANGLE (40-60°?) | | | | | | | |
| 53' | 62'6" | ALTERED MAFIC FLOW | MEDIUM GREY, 1-2mm GRAINED, SOMEWHAT ALTERED. 1 TO | | | | | | | |
| | | | 3% FINE GRAINED PYRITE IN DISSEMINATIONS AND | | | | | | | |
| | | | MASSES TO ⅛" THROUGHOUT. PYRITE INCREASING AROUND | | | | | | | |
| | | | CROSSCUTTING PINKISH QZ-CALCITE VEINS AND MASSES | | | | | | | |
| | | | ⅛" CALCITE FRACTURE SET AT 55° TO C.A. HARDNESS | | | | | | | |
| | | | OF ABOUT 3½ THROUGHOUT BUT SILICIFIED TO ABOUT | | | | | | | |
| | | | 3" IN ROCK ADJACENT TO LARGER QZ VEINS. INCREASE | | | | | | | |
| | | | IN PYRITE AND CHPY AROUND AND IN VEINS, | | | | | | | |
| | | | CROSSCUTTING CALCITE FRACTURE SET PREDOMINANTLY | | | | | | | |
| | | | AT 65° TO CA, | | | | | | | |
| | | | 60' 4" - 4" PINKISH QZ CALCITE MASS, ODD CHPY | | | | | | | |
| | | | 60' 9" - 2½" FRACTURED QZ VEINE WITH DARKER | | | | | | | |
| | | | SMOKY QZ FRAGMENTS FLOATING IN WHITER STRAINED | | | | | | | |

0204 (03/91)

12

*For features such as foliation, bedding, schistosity, measured from the long axis of the core.

*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

† Additional credit available. See Assessment Work Regulation.

† Des crédits supplémentaires sont offerts. Consulter les règlements relatifs aux travaux d'évaluation.

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Ministry of Northern Development and Mines
Ontario

Ministère du Développement du Nord et des Mines

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Page No. / Page n° 3

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|---|---|---|---|---|---|---|---|---|---|---|
| | | | APPEARING QZ, SMALL WALL ROCK INCLUSIONS TOWARDS | | | | | | | |
| | | | EITHER CONTACT. FINE PYRITE AND CHYP THROUGHOUT | | | | | | | |
| | | | AND INTO WALL ROCK. UEIN AT 45° TO C.A. | | | | | | | |
| | | | 62'6" - CONTACT ALONG CALCITE UEIN AT 50° TO C.A. | | | | | | | |
| | | | 1MM REDISH FINE GRAINED HEMATITE COATING ON CALCITE UEIN | | | | | | | |
| | | | ON BOTH SIDES | | | | | | | |
| 62'6" | 78' | ALTERED MAFIC | ALTERED REDDISH PYRITIZED TOP TO 65', SILICIFIED | | | | | | | |
| | | FLOW-BRECCIA | WITH 3" QZ UEIN AT 63'5', PYRITE AND ODD CHPY | | | | | | | |
| | | | TO 10% IN TOP SECTION BUT DOWN HOLE TO LOWER | | | | | | | |
| | | | CONTACT AVERAGE 1-2%. FINE WISPY NETWORK OF | | | | | | | |
| | | | HEMATITE AT TOP, GIVING WAY TO FLAKY AGGREGATES | (5°) | | | | | | |
| | | | OF HEMATITE TO BOTTOM OF FLOW, TO ABOUT 1/8" IN SIZE. | | | | | | | |
| | | | GREEN TO DARK GREEN COLOR OF FLOW IMPARTED BY | | | | | | | |
| | | | HEAVY CHLORITE CONTENT. HARDNESS OF ABOUT 3½. | | | | | | | |
| | | | WHITE CALCITE STRINGERS AND FRACTURES AT VARYING | | | | | | | |
| | | | ANGLES TO CORE. MEDIUM TO STRONGLY MAGNETIC | | | | | | | |
| | | | 70'6" - WHITISH QZ UEIN AT 35° TO C.A. CHLORITIC | | | | | | | |
| | | | FRACTURES. | | | | | | | |
| | | | 76' 9" QZ - PINKISH CALCITE UEIN AT 35° TO CA WISPY | | | | | | | |
| | | | CHLORITIC FRACTURES. ODD PYRITE | | | | | | | |
| 78' | 90' | ALTERED MAFIC | 78' CONTACT AT 50° TO CORE ANGLE. BANDED CALCITE- | | | | | | | |
| | | FLOW | SPECULARITE ABOUT ¼" WIDE ON CONTACT. BRECCIATED | | | | | | | |
| | | | ALTERED, SILICIFIED (HYALOCLASTITIC? FLOW TOP TO | | | | | | | |
| | | | 80'6". NUMEROUS CHERTY "SHARDS" WITH GREYISH COLOR. | | | | | | | |
| | | | HEAVILY PYRITIC IN SILICIFIED AREA. AGAIN QZ | | | | | | | |
| | | | UEIN AT TOP OF FLOW AT 78' 4" AT 35° TO CA. | | | | | | | |

0204 (03/91)

*For features such as foliation, bedding, schistosity, measured from the long axis of the core.

*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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|---|---|---|---|---|---|---|---|---|---|---|
| | | | NETWORK OF 1/16" SPECULARITE WISPS TO 79'. SILICIFIED | | | | | | | |
| | | | SECTION ALTERED TO A FLESHY PINK COLOR DEEPENING | | | | | | | |
| | | | IN HUE UP TO TOP CONTACT. REST OF FLOW TO | | | | | | | |
| | | | 90' MEDIUM GREENISH COLOR, SOMEWHAT BRECCIATED. | | | | | | | |
| | | | 1% PYRITES THROUGHOUT. UP TO 15% PYRITE AND | | | | | | | |
| | | | ODD CHPY IN TOP. MAIN PART OF FLOW 1-2mm | | | | | | | |
| | | | GRAIN SIZE, SOMEWHAT MOTTLED IN SECTIONS | | | | | | | |
| | | | AS FLAKY REDDISH HEMITITE VARIES AND APPEARS | | | | | | | |
| | | | TO BE DESTROYED AROUND SOME FRACTURES. | | | | | | | |
| | | | | | | | | | | |
| 90' | | | E.O.H. | | | | | | | |

0204 (03/91)

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Hole No. / Forage n° EDH-4 | Page No. / Page n° 1

| | | | | | | |
|---|---|---|---|---|---|---|
| Drilling Company / Compagnie de forage: ERIC MARION | Collar Elevation / Élévation du collier | Bearing of hole from true North/Position du forage par rapport au nord vrai: 003°Azt | Total Footage / Avancement total du forage: 95 | Dip of Hole at / Inclinaison du forage au: Collar/collier -50° | Address/Location where core stored / Adresse/endroit où la carotte est stockée: 126 DUNCAN AVE KIRKLAND LAKE | Map Reference No. / N° de référence sur la carte: NTS 42A/1 |
| Claim No. / N° de concession minière: 1239348 | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Date Hole Started / Date de commencement du forage: JULY 23, 2002 | Date Completed / Date d'achèvement: AUG 15, 2002 | Date Logged / Date d'inscription au journal: AUG 16, 2002 | Logged by / Inscrit par: ERIC MARION | Ft./Pi | Location (Twp. Lot, Con. or Lat. and Long.) / Emplacement (canton, lot, concession, ou latitude et longitude): EBY TWP M-345 LOT 2, CONS, S½, NW¼ |
| Exploration Co., Owner or Optionee / Compagnie d'exploration, propriétaire ou titulaire d'option: ERIC MARION | | Date Submitted / Date de dépôt: AUG 27/2002 | Submitted by (Signature) / Déposé par (signature): [signature] | Ft./Pi | Property Name / Nom de la propriété: PLINKY PROPERTY (WEST) |

| Footage/Avancement From/De | To/À | Rock Type / Type de roche | Description (Colour, grain size, texture, minerals, alteration, etc.) / Description (Couleur, granulométrie, texture, minéraux, transformation, etc.) | Planar Feature Angle*/Angle des caractéristiques planes | Core Specimen Footage † / Longueur en pieds des carottes prélevées | Your Sample No. / N° d'échantillon du prospecteur | Sample Footage/Niveau de prélèvement de l'échantillon (en pieds) From/De | To/À | Sample Length / Longueur de l'échantillon | Assays †/Analyses minéralurgiques |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 63' | ALTERED MAFIC VOLCANIC | FINE TO MEDIUM GRAINED, GREYISH GREEN, BLEACHED APPEARING | | SLUDGE | EDH-4-1 | 3 | 20 | 17' | |
| | | | MAFIC VOLCANIC FLOW - FLOW BRECCIA. STOCKWORK OF | | SLUDGE | EDH-4-2 | 20 | 33 | 13' | |
| | | | CROSSCUTTING QZ-CALCITE VEINLETS 1/8 TO 1" ORIENTED | | SLUDGE | EDH-4-3 | 33 | 50 | 17' | |
| | | | AT 35°, 50° AND 80° TO C.A. SHEARING AND WEAK FOLIATION | | SLUDGE | EDH-4-4 | 50 | 63 | 13' | |
| | | | AT 30°-35° TO CA INTENSIFING TO 31'-34' WHERE SOFT | | SLUDGE | EDH-4-5 | 63 | 79 | 16' | |
| | | | CHLORITIC SHISTOSE SECTION ENCOUNTERED. HEAVILY CHLORITIC | | SLUDGE | EDH4-6 | 79 | 95 | 16' | |
| | | | WITH PINKISH TO FLESH COLORED CROSSCUTTING MASSES AND | | | | | | | |
| | | | STRINGERS FROM 20° TO 50° TO CA, FROM 39' TO 57', | | | | | | | |
| | | | FROM 57' TO CONTACT AT 63' SOMEWHAT SERICITIC. | | | | | | | |
| | | 1½' VEIN | 1' TO 2'6" MILKY WHITE FRACTURED QZ VEIN | | | | | | | |
| | | 3' VEIN | 20' TO 23' BRECCIATED QZ VEIN. RUSTY PATCHES. MANY | | | | | | | |
| | | | SMALL WALL ROCK INCLUSIONS SOME WISPY SERICITE | | | | | | | |
| | | | AND WISPY CHLORITE THROUGHOUT. | | | | | | | |
| | | | 23'-32' BLEACHED ALTERATION, SOMEWHAT SILICIFIED | | | | | | | |
| | | | QZ VEINED, PYRITIZED WITH FINE 2-3% DISSEMINATED | | | | | | | |
| | | | SULFIDES.. SAME SECTION IN PREVIOUS HOLE. | | | | | | | |
| | | | 63' - CONTACT AT 50° TO C.A. | | | | | | | |
| 63 | 87'9" | MAFIC FLOW? | MEDIUM GRAINED, DARK GREY, MEDIUM TO STRONGLY | | | | | | | |
| | | | MAGNETIC, MANY CROSSCUTTING CALCITE STRINGERS, | | | | | | | |

0204 (03/91)

*For features such as foliation, bedding, schistosity, measured from the long axis of the core.
*Exemples de caractéristiques : foliation, schistosité, stratification. L'angle est mesuré par rapport à l'axe longitudinal de la carotte.

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Ontario

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|---|---|---|---|---|---|---|---|---|---|---|
| | | | HEMATITE WISPS AND FLECKS THROUGHOUT UNIT. BRASSY | | | | | | | |
| | | | PYRITE IN DISSEMINATIONS AND SMALL AGGREGATES TO 4mm | | | | | | | |
| | | | THROUGHOUT. MICROFRACTURING NOTED THROUGHOUT, | | | | | | | |
| | | | 67' - 68' PINKISH CALCITE - QZ VEIN WITH MUCH FINE | | | | | | | |
| | | | PYRITE | | | | | | | |
| | | | 89'9" - CONTACT FRACTURED AND INDISTINCT | | | | | | | |
| 89'9" | 95 | MAFIC FLOW-BRECC | DARK GREY - FINE TO MEDIUM GRAINED, REDDISH | | | | | | | |
| | | | TINGED HEMATIZED SECTIONS. TOP OF UNIT ALTERED | | | | | | | |
| | | | AND FRACTURED TO 90°. SIMILAR TO UNIT IN | | | | | | | |
| | | | PREVIOUS HOLE BUT LESS INTENSE. WEAK PYRITE | | | | | | | |
| | | | MINERALIZATION THROUGHOUT. | | | | | | | |
| 95' | | | ---EOH--- | | | | | | | |

0204 (03/91)

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# DAYS WORKED

## DRILLING AND RELATED

EDH-2

| | |
|---|---|
| JUNE 30, 2002 | 9h |
| JULY 1, 2002 | 11h |
| JULY 2, 2002 | 10h |

2.24137

EDH-3

| | |
|---|---|
| JULY 3, 2002 | 9h |
| JULY 4, 2002 | 9½h |
| JULY 5, 2002 | 8h |
| JULY 6, 2002 | 9h |
| JULY 7, 2002 | 9h |
| JULY 8, 2002 | 9h |
| JULY 10, 2002 | 10h |
| JULY 11, 2002 | 9h |
| JULY 12, 2002 | 9h |
| JULY 13, 2002 | 9h |
| JULY 14, 2002 | 8h |
| JULY 15, 2002 | 8h |
| JULY 17, 2002 | 9h |
| JULY 18, 2002 | 4h |
| JULY 19, 2002 | 9h |
| JULY 20, 2002 | 8h |
| JULY 21, 2002 | 10h |
| JULY 22, 2002 | ½ DAY - LOG CORE |

EDH-4

| | |
|---|---|
| JULY 23, 2002 | 8½h |
| JULY 24, 2002 | 9h |
| JULY 25, 2002 | 9h |
| JULY 26, 2002 | 4h |
| JULY 29, 2002 | 9h |
| JULY 30, 2002 | 9h |
| JULY 31, 2002 | 10h |
| AUG 1, 2002 | 8h |
| AUG 3, 2002 | 10½h |

EDH-4

| | |
|---|---|
| AUG 5, 2002 | 9½h |
| AUG 6, 2002 | 9½h |
| AUG 7, 2002 | 7h |
| AUG 10, 2002 | 8½h |
| AUG 11, 2002 | 9h |
| AUG 12, 2002 | 10h |
| AUG 14, 2002 | 9½h |
| AUG 15, 2002 | 10h |
| AUG 16, 2002 | ½ DAY - LOG CORE |
| AUG 17, 2002 - | REPORT. ½ DAY |

Aug 27/02

RECEIVED
AUG 29 2002
GEOSCIENCE ASSESSMENT OFFICE

# Work Report Summary

**Transaction No:** W0280.01386 **Status:** APPROVED
**Recording Date:** 2002-AUG-27 **Work Done from:** 2002-JUN-30
**Approval Date:** 2002-AUG-30 **to:** 2002-AUG-27

**Client(s):**

164694 MARION, ERIC JOSEPH

**Survey Type(s):**

PDRILL

**Work Report Details:**

| Claim# | Perform | Perform Approve | Applied | Applied Approve | Assign | Assign Approve | Reserve | Reserve Approve | Due Date |
|---|---|---|---|---|---|---|---|---|---|
| L 1239348 | $7,815 | $7,815 | $0 | $0 | $5,200 | 5,200 | $2,615 | $2,615 | 2002-JUL-18 |
| L 1239352 | $0 | $0 | $1,600 | $1,600 | $0 | 0 | $0 | $0 | 2003-SEP-05 |
| L 1239353 | $0 | $0 | $1,200 | $1,200 | $0 | 0 | $0 | $0 | 2003-AUG-30 |
| L 1239354 | $0 | $0 | $2,400 | $2,400 | $0 | 0 | $0 | $0 | 2003-SEP-25 |
| | $7,815 | $7,815 | $5,200 | $5,200 | $5,200 | $5,200 | $2,615 | $2,615 | |

**External Credits:** $0

**Reserve:**

$2,615 Reserve of Work Report#: W0280.01386

$2,615 Total Remaining

Status of claim is based on information currently on record.

42A01SE2012 2.24137 EBY

900

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

GEOSCIENCE ASSESSMENT OFFICE
933 RAMSEY LAKE ROAD, 6th FLOOR
SUDBURY, ONTARIO
P3E 6B5

Tel: (888) 415-9845
Fax:(877) 670-1555

Date: 2002-SEP-05

ERIC JOSEPH MARION
126 DUNCAN AVENUE
KIRKLAND LAKE, ONTARIO
P2N 1Y5 CANADA

**Submission Number:** 2.24137
**Transaction Number(s):** W0280.01386

Dear Sir or Madam

**Subject: Approval of Assessment Work**

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

If you have any question regarding this correspondence, please contact STEVEN BENETEAU by email at steve.beneteau@ndm.gov.on.ca or by phone at (705) 670-5855.

Yours Sincerely,



Roy Spooner
Acting Senior Manager, Mining Lands Section

**Cc:** Resident Geologist

Eric Joseph Marion
(Claim Holder)

Assessment File Library

Eric Joseph Marion
(Assessment Office)

MINISTRY OF NORTHERN DEVELOPMENT AND MINES

PROVINCIAL MINING RECORDER'S OFFICE

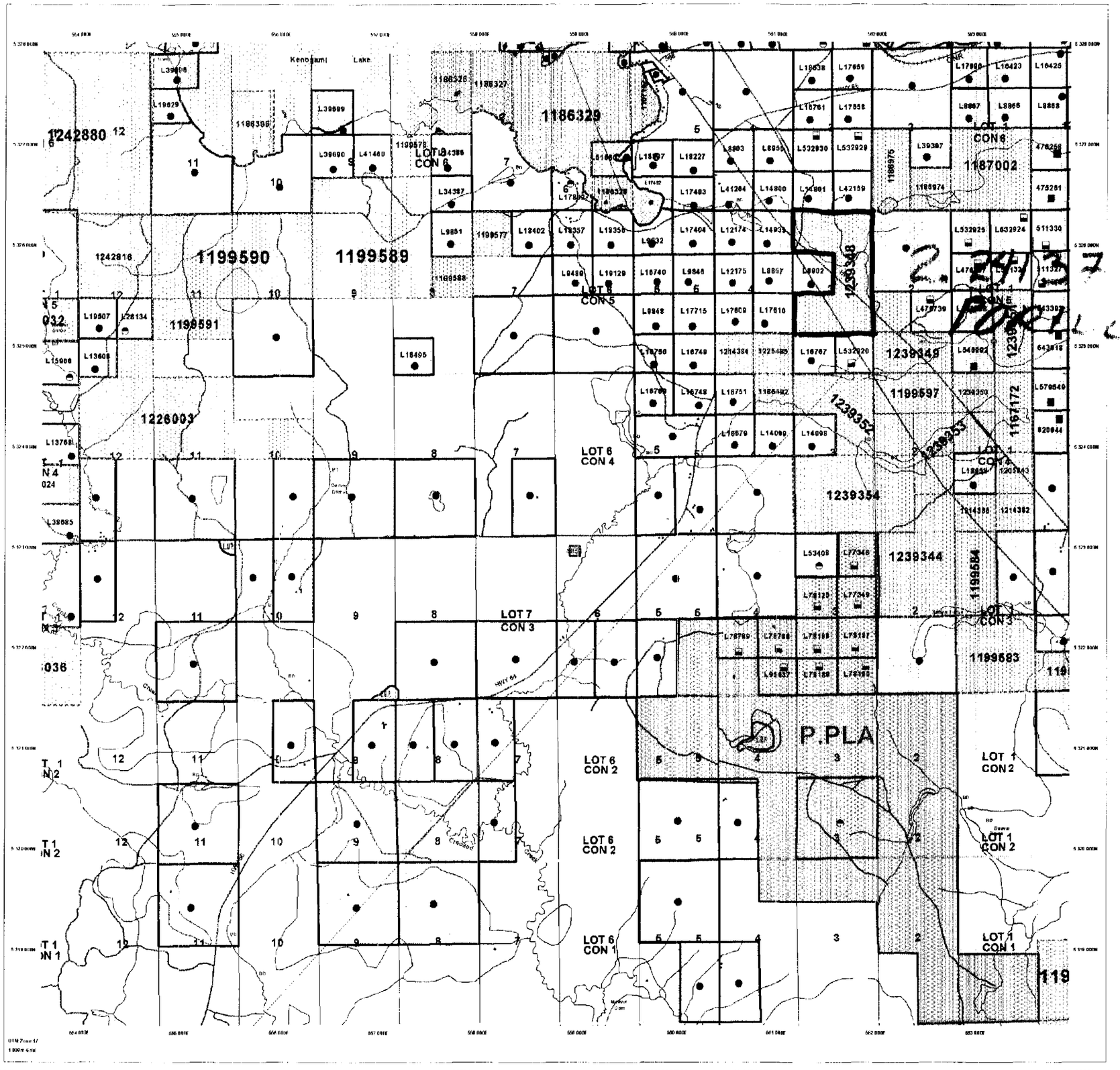
# MINING LAND TENURE MAP

Date / Time of Issue Aug 7 2002 10:41h Eastern

| TOWNSHIP / AREA | PLAN |
|---|---|
| EBY | M-0345 |

## ADMINISTRATIVE DISTRICTS / DIVISIONS

| | |
|---|---|
| Mining Division | Larder Lake |
| Land Titles/Registry Division | TIMISKAMING |
| Ministry of Natural Resources District | KIRKLAND LAKE |




## TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession Lot
- Provincial Park
- Indian Reserve
- Crown Reserve
- Cemetery
- Conservation Authority/Conservation
- Shaft
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Hydro Line
- Communication Line
- Wooded Area
- Monument - Cultural/ Historical/ Natural Interest

## LAND TENURE

Freehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Leasehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Licence of Occupation
- Unsurveyed Specified
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

- Land Use Permit
- Order In Council
- Water Power Lease Agreement
- Mining Claim

## LAND TENURE WITHDRAWALS

- Areas Withdrawn from Disposition
- Mining Act Withdrawal types
  - Wsm: Surface and Mining Rights Withdrawn
  - Ws: Surface Rights Only Withdrawn
  - Wm: Mining Rights Only Withdrawn
- Order in Council Withdrawal Types
  - W*sm: Surface and Mining Rights Withdrawn
  - W*s: Surface Rights Only Withdrawn
  - W*m: Mining Rights Only Withdrawn

IMPORTANT NOTICES

## LAND TENURE WITHDRAWAL DESCRIPTIONS

| Identifier | Type | Date | Description |
|---|---|---|---|
| 4694 | Wsm | Jan 1 2001 | 40 FT. SURFACE RIGHTS RESERVATION ALONG THE SHORES OF ALL LAKES & RIVERS |
| P.PLA | Ws | Jan 25 2002 | Pending Application Sec. 30(b) and 29(2). Surface Rights Only. |
| P.PLA | Wsm | Jan 25 2002 | Pending Application Sec. 30(b) and 29(2). Surface Rights Only. |
| P.PLA | Ws | Jan 25 2002 | Pending Application Sec. 30(b) and 29(2). Surface Rights Only. |

## IMPORTANT NOTICES

Areas under which specific regulations, limitations or conditions exist that affect normal prospecting, staking and mineral development activities.

These wishing to stake mining claims should consult with the Provincial Mining Recorder's Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for management, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles / Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines' web site.

## General Information and Limitations

Contact Information:
Provincial Mining Recorders' Office — Toll Free
Wilfrid Owen Mines Centre — Tel: 1 (888) 415 9845
933 Ramsey Lake Road — Fax: 1 (877) 670 1444
Sudbury, ON P3E 6B5
Home Page: www.gov.on.ca/MNDM/MINES/LANDS/arrowpg.htm

Map Datum: NAD 83
Projection: UTM (6 degree)
Topographic Data Source: Land Information Ontario
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show all registered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licenses, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit mining claims may not be illustrated.

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