

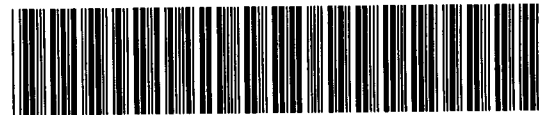
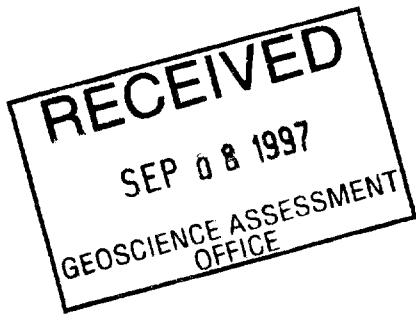
Presented by  
Derco Gestion Conseil

For

Exploration Maude Lake

Exploration Work, summer 1997  
Matheson, Ontario

**2.17644**



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By

François Roy  
Séan Smith

August 29th 1997

## INTRODUCTION

This report presents results obtained during a cartography and prospecting campaign carried out between July 21<sup>st</sup> and August 22<sup>nd</sup>, 1997. The focus of this 33-day study was 252 mining concessions (table 1) located near the town of Matheson, Ontario (figure 1). Mapping and sampling during this project were performed by two geologists, Denis McNichols and Séan Smith, and two assistant geologists, Louis-Filippe Richard and Wayne Fuller. Extensive compilation and interpretation work, done during the months before, served as a basis for the field work.

## 2.0 LOCALISATION

The property is situated in the Larder Lake mining division, Cochrane district, Ontario. The group of claims examined are situated approximately 12 km to the north-east of the village of Matheson, about 80 km east of Timmins, and 80 km north of Kirkland Lake. The mining concessions examined (table 1) have been divided into two blocks in this report, West and East. The West block of concessions straddle the border between Wilkie and Carr Townships and lies between 5383275 - 5387175 m N, and 536400 - 542750 m E (UTM co-ordinates). The East block is much larger and contains 209 concessions in Coulson and Beatty Townships, as well a four concessions that overlap into Warden Township. The West block lies entirely within the region outlined by 537670 - 5389830 m N and 542725 - 554110 m E.

## 3.0 COMPILATION

An extensive compilation work was conducted during winter to summer 1997, involving digitization of all Maude Lake Gold Mines data and MDI information, scanning of aerial photographs, ground mag jointing and levelling, all integrated together in a GIS.

## 4.0 INTERPRETATION

A structural interpretation based on stereographic study of aerial photographs proved to be very effective, revealing many bedrock source lineaments which likely correspond to fault zones (NE-SW and NNW-SSE) and shears (generally ONO-ESE) that could not have been detected otherwise. This was followed by a geophysical interpretation of the magnetic compilation map assisted by an image processing software. Emphasis was put on mag

WILKIE

COULSON

WARDEN

BEATTY

CARR

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082456 082455 082452 082451 082441 082442

082440 082439  
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002300 002306 002308  
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002310  
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042810 042819 042820 042874 042877 042878 772556 772560

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114773 114772 114777 772554 114783 114784  
114774 114775 114778 114787 114788 114782 114783

714779 114778 700808 700807 700810 714781  
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714781 714780 714787 714784 714782 700805  
714782 714786 700802 700801 700808 700805 700804  
714788 700803 700800 700807  
700804 700809 700800

axis that do not correspond to diabase dykes (N-S and NE axis) in order to depict the stratigraphic pattern and to identify structural perturbation of this pattern. This technique allowed to extend several known shear zones and to interpret new ones. Finally, low resistivity axis were also interpreted from a previous airborne survey, revealing NNW-SSE regional fracture/fault system.

## 5.0 GEOLOGICAL MAPPING AND PROSPECTING

### 5.1- WEST BLOCK

#### 5.1.1 - OBJECTIVES OF WEST BLOCK TRAVERSES

- 1 - Verification of the existence of outcrops of porphyry in claim 682542 and at the edge of 682425.
- 2 - Location and evaluation of known outcrops in the region.
- 3 - Survey recent wood cuts in the area for new outcrops.

#### 5.1.2 - RESULTS FOR WEST BLOCK

1 - Outcrops in claim 682442 were examined extensively for any sign of porphyritic rock ; however, none was uncovered. A pre-existing trench excavation (length ~ 30m) was discovered in the rock that outcrops at the edge of 682425. Within and beside the trench exposures of a quartz porphyry were identified. The porphyry is almost entirely quartz with only minor amounts of feldspar visible. It is silicified, contains traces of sericite, and contains only rare traces of pyrite.

2 - The outcrops in claim 682442 are largely basaltic, with a gabbro dyke cutting through them. The gabbro was found to be considerably thicker than that marked on previous maps. The contact between the gabbro and the basalt has an approximate bearing of  $155^{\circ}$ . A quartz vein, bearing approximately  $280^{\circ}$  was found within the gabbro near hole 36 and is believed to be the one marked on previous map; however, it had previously been situated erroneously within basalt. The vein contains only traces of pyrite (sample no. 687005).

The gabbro and basalt outcrops on the edge of claim 682425 are occasionally lightly sericitized and contained negligible mineralization. As noted above, a 30 m trench that had been previously excavated provides the only exposure of porphyry found in the area.

The only other previously identified outcrops in the West Block are greywackes and lie within claim 714794. These were not visited during this campaign however good access routes are near their location and future cartography work in the area should include a survey of these sedimentary rocks.



3 - Much of the West Block has been cleared of forests and all that remains to cover yet undiscovered outcrops in the region, besides the considerable sand which blankets the area, is the forest debris left on the ground after the clear-cuts. This debris is considerable in places and may potentially cover small outcrops; however, it appears that the West Block contains few outcrops. No new outcrops were discovered on the property.

## 5.2 - EAST BLOCK

### 5.2.1 - OBJECTIVES OF EAST BLOCK TRAVERSES

5.2.1.1 - NORTHEAST SECTOR- consisting of all claims within Coulson TWP. plus 4 in Warden TWP.

- 1 - Detailed mapping of Shallow River sector.
- 2 - Identification of interpreted shears.
- 3 - Find and evaluate contact between komatiites and basalts near sector's southern border.
- 4 - Verification of indicated quartz veins.
- 5 - Prospection

5.2.1.2 - CENTRE EAST SECTOR - consisting of all claims in the vicinity of Salve Lake, Beatty TWP.

- 1 - Verification of north-easterly lineaments at eastern extremity of property
- 2 - Evaluation of intersection of north-north-westerly and other lineaments.
- 3 - Identification of interpreted shears.
- 4 - Evaluation of band of felsics in southern part of sector.
- 5 - Verification and evaluation of quartz veins indicated on previous maps.
- 6 - Prospection.

5.2.1.3 - SOUTHEAST SECTOR - consisting of remaining claims between Highway 101 and Centre Sector.

- 1 - Verification of interpreted shears.
- 2 - Signs of Porphyry outcrop(s).
- 3 - Verification of interpreted north-westerly and north-easterly oriented shears in sector.
- 4 - Gabbro sill
- 5 - Abate showing at south-east border of sector.
- 6 Prospection.

## 5.2.2 RESULTS OF EAST BLOCK TRAVERSES

### 5.2.2.1- Northeast sector

#### 5.2.2.1.1- Geology

A detailed examination of the area around the Shallow River toward the north-eastern margin of the East Block revealed several previously unmapped outcrops. Many of these were found at the banks of the River and were visible only as a result of a low water table and a lack of precipitation during the summer of 1997. Along the course of the River newly identified outcrops of lapilli tuff, quartz-rich agglomerate, and rhyolite were mapped, as was one previously unidentified structure. In addition a shear and a previously unidentified rhyolite outcrop were found toward the east border of the area mapped in detail (see map in pocket). Numerous outcrops of basalt were also examined in the south and west regions of the area mapped.

At the western margin of the area mapped in detail, a large outcrop of basalt, previously divided into Fe-rich and Mg-rich varieties, was examined. Within these blue-grey pillowed basalts no sharp contact between Mg-rich and Fe-rich mafics was found. Instead there appears to be a gradual transition, with basalts becoming slightly more Mg-rich as one moves from north-east to south-west along the outcrop. Only traces of Fe-carbonitization exist at the inter-pillow margins of this otherwise fresh lithology. A system of sub-parallel quartz veins (2-3 cm thick, oriented @ 40 - 60 °) was identified across entire outcrop. These veins contain no apparent mineralization. Traces of pyrite were found within a quartz veneer that covers a portion of the Mg-rich basalts near the southern extremity of this outcrop. A sample of this quartz was taken (no. 687024).

Basalt outcrops along the course of the River in the southern region of the area are massive, occasionally weakly foliated (oriented @ approximately 60 - 70°), and are rarely lightly calcitized and chloritized. Again a gradual transition to more Mg-rich basalt is visible as one moves to the south.

Significant foliation, alteration, and mineralization appears to be restricted in this area to the bands of lapilli tuff and occasionally in graphite rich horizons within the agglomerate. These lithologies at surface were found within a band of approximately 60 m, between 50 m south and 10 m north of Baseline 22 + 00N.

The tuff is a grey-blue, phaneritic rock with mica phenocrysts (or lapilli?). A subtle layering is sometimes visible. Locally the tuff is silicified and occasionally contains as much as 4-5% disseminated pyrite. A sample containing such quantities of pyrite was taken (no. 687025); however, subsequent analysis detected negligible amounts of gold within.

The agglomerate is grey-white to blue-grey and is often silicified. Darker bands, perhaps containing graphite, are dispersed throughout. Signs of brecciation are sometimes visible on freshly cleaved surfaces. There is often as much as 1-2% disseminated pyrite visible in the rock : however, locally, mineralization is sometimes not apparent. Subsequent analysis of sample 687026 revealed a gold content of 599 ppb.

The felsic rocks found to outcrop along the River and to the east (22 + 08N / 3 + 57W, see figure ?), are pale greenish-grey with an aphanitic texture. These rhyolites contain only traces of sericitization and no apparent mineralization. A small shear was detected (oriented @ 77°, dip = 69° N) at the northern border of the rhyolite exposure discovered to the east of the River. Foliation associated with the structure is not extensive.

The other previously undetected structure identified. A fault oriented at ~ 40° (dip ~ 65° N) was identified in basalt outcrops which straddle the river in the southern area of the area mapped in detail (figure ?). The sheared zone associated with this alleged fault is rather narrow, and little evidence remains of shearing on the foot-wall and the headwall as the river cuts between the two and has eroded them considerably. The direction of displacement was not ascertained.

#### 5.2.2.1.2- Verification of interpreted shears in sector

Evidence of several shears interpreted to exist to the south-west of the area described above were sought in claims 1221707-1221709 and in 1211445 ; however, no evidence of shear was found in the few outcrops of this region.

#### 5.2.2.1.3- Komatiite / Basalt Contact

An examination of the regions to the south-west of the Shallow River area detailed above was undertaken in order to determine whether or not the contact between komatiitic and basaltic rocks in the vicinity could be located. The contact between the two lithologies was located at the south-western edge of claim 822808; however, there is negligible alteration associated with it and there are no visible quartz veins or mineralized zones.

Approximately 50 m to the south-west at the edge of claim 802310, an outcrop containing basalt and a granitoid rock was discovered. In addition, both of these lithologies are cross-cut by a diabase dike. A small-scale fault was also detected. The fault exhibits a small dextral (1-2m) displacement and a strike of between 320 and 330° (figure ?). The exact strike and an approximate dip were not ascertained as there is vegetation covering the contact between the headwall and the foot-wall.

The granitoid (30% amphibole, 25% plagioclase, 25% quartz, 15% biotite, 5% K-feldspar) is extremely coarse-grained except near its contact with the basalt where it grades quickly to a fine-grained rock. One sample was taken (no. 687031) and analysed for gold, but as expected it contained none.

The basalt at this location is massive in places and pillowed in others. They are relatively fresh and only traces of silicification are occasionally visible. Syn-volcanic pyrite is relatively common and comprises as much as 3-5% of the rock in places. Occasionally disseminated pyrite is also visible ( $\leq$  2%). 4 samples of the basalt were taken for analysis from different areas of the outcrop (nos. 687029,-030,-032,-033); however no gold values were detected.

#### 5.2.2.1.4 - Verification of indicated quartz veins

A special attention was given to the listed quartz veins in the previous mapping. The map just show the positions of the quartz veins, without any specific information (width, dip, mineralization ...). The veins found vary from 0.5cm to up to 20cm width. Only rare trace of pyrite found in few of them. No significant gold values are associated with the veins in that part of the property.

#### 5.2.2.1.5 - Prospection

Both previously identified and known outcrops were examined for prospects of mineralization. Quartz veins and veinlets were found within most of the outcrops in the region (both basaltic and gabbroic) ; however, they all contained negligible mineralization.

### 5.2.2.2 - Centre-east sector

#### 5.2.2.2.1- Verification of north-easterly lineaments at eastern extremity of property

Access to the interpreted location of the lineaments is very poor. After several failed attempts to find a route into the eastern-most region of this area, this objective was abandoned and the lineaments will have to be verified during future cartography campaigns.

#### 5.2.2.2.2- Evaluation of intersection of north-north-westerly and other lineaments

The wide region of basalt outcrops north of Salve Lake and the band of felsic exposures which lie to its south were examined to verify lineaments interpreted in the centre-east sector concessions. A fracture was identified in a basalt outcrop which straddles concessions 787103, 787104 and 787105. The orientation of the fracture (strike =  $131^{\circ}$  / dip =  $60^{\circ}$  N) and its location corresponds well to the lineament that was interpreted to exist in this area. The fracture was not a significant conduit for metasomatic fluids and there is negligible mineralization within the narrow (2 - 5 cm) alteration border which surrounds it. Another fracture corresponding to that interpreted to exist to the north-east of the above location was detected in basalts in concession 787108. The orientation of the fracture ( $140^{\circ}$  /  $50^{\circ}$  N) is virtually identical to that of the other found to the south-west. No significant alteration or mineralised zone was associated with this fracture.

No evidence of the other lineaments interpreted to exist within the basaltic or the felsic bands was discovered. A main reason why it is difficult to locate physical evidence of fractures and shears within in this area is

that drainage patterns within the area likely follow these structures and thus they tend to lie beneath rivers and marshes where outcrops are uncommon.

#### 5.2.2.2.3- Verification of interpreted shears

The band of basalt outcrops north of Salve Lake, and the felsics to its south, were also examined for any physical evidence of the shears interpreted in this region. Due to paucity of outcrops, no evidence of the interpreted shear zones was detected in the Centre-east Block.

#### 5.2.2.2.4- Evaluation of band of felsics in southern part of sector

The band of felsics which outcrop south of Salve Lake was examined in detail for evidence of mineral potential. The felsic rock in this vicinity is grey-blue-green, with a quartz rich groundmass and 5-10% quartz phenocrysts. Three samples were taken between the felsic band's northern and southern contacts with basalts (nos. 687106, 687034, and 687035). All three samples were analysed for copper and zinc, as well as gold. Sample 687034, a boulder taken from an outcrop in concession 772550, is the only one that contained any anomalous mineralization (393 ppm of Cu, 58 ppb of Au). No well-mineralised veins were discovered within these felsics or within the basalts which border them to the north and south.

#### 5.2.2.2.5- Verification and evaluation of quartz veins indicated on previous maps

Several quartz veins were identified within the band of basaltic outcrops which lie to the north of Slave Lake. Among these, seven were sampled and subsequently analysed for gold ( sample nos. 687027, 687028, 687101 - 687105). All were found to contain negligible gold. No attractive veins were detected within the felsic band lying to the south.

#### 5.2.2.2.6- Prospecting

The Centre-east Block contains abundant outcrop and so considerable time was spent searching for prospects within the rocks of this region. Quartz veins, basalts, and felsics were sampled ; however, apart from the felsic boulder that was found to contain anomalous levels of Copper, no significant finds were made. Future cartography in this region should focus on the origin of this Cu-rich boulder.

### 5.2.2.3- Southeast sector

This sector consists of remaining claims between Highway 101 and Centre Sector.

#### 5.2.2.3.1- Geology

The south portion of the sector is underlain by turbiditic sediments of the Procupine formation, which comprises here silicic mudstone and greywackes as centimetric to metric beds. Several gabbroic sills are intercalated in the sediments. The northern part of the sector is dominated by mafic lavas and lesser felsic volcanics. The basalts are massive to pillowed and does not show any evidence of deformation nor alteration in outcrops. The felsics were described in the centre-east section. The lithologies trends WNW-ESE, conformable to the magnetics. The contact between the sediments and the lavas was not seen but corresponds to a shear on the OGS maps of Munro Tp to the east and is marked by faulting in Hemlo gold's drill holes done on the property. A foliation trending 060-070° is locally well developed at angle with the bedding, although it does not truncates it in anytime. This foliation is probably later that the bulk of the flattening since it not axial to regional folds. Later N-S to NE diabase dykes truncates all the lithologies and produced contact hornfelses which may extent for several ten's of meters in the hosting rocks.

#### 5.2.2.3.2- Verification of interpreted shears

The location of interpreted shears within the south-east sector coincides with the course of a stream and surrounding marshland. Despite this, the area was examined carefully; however, no outcrops were found and therefore no trace of a shear was discovered.

#### 5.2.2.3.3- Signs of Porphyry outcrop(s)

A large body of porphyritic rock was marked hypothetically on previous maps in the western region of this sector (within claims 714782-714785, 700901 and 700902). This area was examined in detail for exposures of this alleged porphyry , but none was discovered. No apparent magnetic geophysical anomalies appear to coincide with its outline as it exists on previous maps. In addition no known drilling has taken place in this location. Based on these facts the existence of porphyry in this location can not be verified, and , in fact, seems dubious.

#### 5.2.2.3.4- Verification of interpreted lineaments in sector

Like the other sector, much of the interpreted structural lineaments correspond to topographic lows which generally correspond to the drainage pattern. Geological traverses done along these lineaments did not revealed any outcrops, thus their geological significance remains under one's interpretation. In the northern part of the sector (claim 714762) a shear was interpreted from the geophysics to cross some basalt outcrops. However, our survey denied the presence of such a structure.

#### 5.2.2.3.5- Gabbro sill

An extensive gabbro sill interpreted to run ONO-ESE from magnetics was prospected with the expectation to find gold mineralization in the style of the Stewart-Abate prospect, hosted in the same sill not far to the ESE. There, mineralization corresponds to pyrite dissemination together with quartz-ankerite veins hosted in a N070 shear which cross-cut the gabbro. Several gabbro sills were found but the scarcity of outcrops did not permit to find any deformed nor altered gabbro.

#### 5.2.2.3.6 - Prospection

Density of known showings seems higher in the vicinity of this sector, probably caused by the influence of the nearby Destor-Porcupine and Pipestone shear systems. Thus, emphasis was put on this sector for prospecting and several narrow quartz-carbonates-sulphides veinlets were localized and sampled, mostly hosted in the sediments. These veins carry gold values up to 12.45 g/t although they may look non significant and not associated with discernible alteration zone. They are rather oriented N060-070° to N085°. The widest such vein/breccia zone was located on claim 700896. In the old excavation, it appears as a meter wide N070° crackle breccia invaded by silica and few sulphides, within silicic sediments.

## 6.0 - CONCLUSIONS AND RECOMMANDATIONS

The property is located in a high potential area for gold deposits, as proved by old and recent economic discoveries in the Matheson area. The structural interpretation and the compilation pin-point several structures and porphyries, which are known candidates to host gold mineralization. The field survey could not verify most of the interpreted target due to insufficient outcrops. However, it proved the existence of a regional gold rich system in the southern part of the east block, where ubiquitous quartz-carbonates-pyrite veinlets can carry high gold values. This

suggests to drill test interpreted structures since they may have focused the same auriferous fluids with a much higher intensity. In the west block, the presence of a quartz porphyry elongated stock is also a good geological target since most of the gold deposits are intimately associated with such intrusions, namely the mines of the Timmins camp. It is suggested to cover this plug with a IP survey in order to depict sulphides accumulations and/or resistivity contrasts.



**LEGEND FOR COMPILATION MAPS**

LITHOLOGIES	TEXTURES, STRUCTURES	MINERALS
VOL : Volcanics	mag : magnetic	Qz : quartz
FEL : Felsic	mas : massive	Si : silica
RHY : Rhyolite, rhyodacite	cou : pillowed (coussiné)	Ep : epidote
QFp : Quartz-felds porphyry	int.cou. : inter-pillows	Cb : carbonates
GRA : Granitoid	amy : Amygdaloidal	Cc : calcite
DAC : Dacite	bx : brecciated, breccia	Fe Cb : iron carbonates
INT : Intermediate	tuf : tuffaceous	Ak : ankerite
AND : Andesite	frag : fragmental	Lx : leucoxene
DIO : Diorite	nod : nodules	Fp : feldspar
MAF : Mafic	agg : agglomerate	Ab : albite
BAS : Basalt	lap : lapilli	Ch : chlorite
Mg BAS : Mg rich basalt	spi : spinifex	Sr : sericite
Fe BAS : Fe rich basalt	por : porphyritic	Bo : biotite
GAB : Gabbro	dyk : dyke	Fu : fuchsite
DIA : Diabase	fg : fine grained	Se : serpentine
U.M. : Ultramafic	mg : medium grained	Ta : talc
KOM : Komatiite	cg : coarse grained	Gp : graphite
PER : Peridotite	lam : laminated	He : hematite
LAMP : Lamprophyre	lité : bedded	Mg : magnetite
SED : Sediments	FLT : fault	Su : sulphides
ARK : Arkose	cis : sheared	Py : pyrite
GRE : Greywacke	sch : schistose	Po : pyrrhotite
SST : Siltstone	fol : foliated	Cp : chalcopyrite
MST : Mudstone	fra : fractured	Sp : sphalerite
GP : Graphite	alt : altered	As : arsenopyrite
CHE : Chert	diss : disseminated	V.G. : visible gold
c.n.r : core not recuperated	vns : veinlets	
	v. : vein	
	tr. : traces	
	occ. : occasionally	

2.17644

## CERTIFICATE OF QUALIFICATION

I, François Roy do hereby certify that :

1. I reside at 1460 Chemin Du Lac Beauchastel, Beaudry, Québec, Canada.
2. I hold a bachelor in geological engineering (obtained in 1988) and a M.Sc. degree in economic geology (obtained in 1991) from University Laval, Québec.
3. I have been continuously engaged in my profession since 1991 as a mining company explorationist.
4. The foregoing report entitled «1997 Exploration program on the Matheson property » prepared for Maude Lake Exploration Ltd is based on :

My personal knowledge of the property through compilation, interpretation and direct supervision of the field work described herein,  
Published technical reports from Maude Lake Gold Mines and various optioners of the property during the 1981-1995 period.

5. I have no direct interest in the Maude Lake Exploration property and I am not a shareholder of the company.



François Roy  
Vice-president of exploration

Dated this 16<sup>th</sup> day of  
December 1997

2.17844

## Annex 1

1118776	682435	714777	787113	943220
1118777	682436	714778	787118	943221
1118778	682437	714779	787119	943222
1180144	682438	714780	787121	943223
1180147	682439	714781	787125	943224
1211442	682440	714782	787130	943225
1211443	682441	714783	787144	943226
1211444	682442	714784	796676	943228
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1211446	682444	714786	796680	943230
1211447	682450	714787	796681	943231
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1217756	682458	714795	802286	943239
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1221708	700894	714797	802288	943241
1221709	700895	714798	802290	943242
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642508	700898	737496	802300	943245
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642514	700900	772551	802304	1222133
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642516	700902	772554	802307	943227
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642521	700908	772561	822808	787122
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642578	714761	787090	822822	
642579	714763	787092	822823	
642785	714764	787093	822824	
642786	714766	787094	822827	
642807	714767	787099	822828	
682425	714768	787100	822829	
682426	714769	787101	822832	
682428	714770	787102	822833	
682429	714771	787103	822834	
682430	714772	787104	822835	
682432	714773	787105	935143	
682431	714774	787108	943217	
682432	714775	787111	943218	
682434	714776	787112	943219	

## Annex 2



CLIENT : DERCO GESTION CONSEIL INC.  
RAPPORT: C97-62358.0 ( COMPLET )

PROJET: MATHESON  
DATE DE L'IMPRESSION: 8-AUG-97 PAGE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au30 PPB	Au G/T
-------------------------	----------------	----------	--------

687001		1656	1.43
687002		15	
687003		121	
687004		3890	2.79
687005		<5	

687006		<5	
687007		<5	
687008		<5	
687009		<5	
687010		<5	

687011		99	
687012		<5	
687013		<5	
687014		<5	
687015		<5	

687016		<5	
687017		<5	
687018		<5	
687019		<5	
687020		<5	

687021		<5	
687022		<5	
687023		<5	
687024		<5	
687025		<5	

687026		599	
687029		<5	
687030		<5	
687031		<5	
687032		<5	

687033		<5	
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**ITS** Intertek Testing Services  
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CLIENT : DERCO GESTION CONSEIL INC.  
RAPPORT: C97-62669.0 ( COMPLET )

PROJET: DUPARQUET  
DATE DE L'IMPRESSION: 25-AUG-97  
PAGE 1

MARO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au30 PPB	AuGrav G/T
687108		<5	
687109		104	
687110		70	
687111		2263	1.47
687112		13591	12.45



Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use) 978000911 Assessment Files Research Imaging



42A09NW0034 2.17644 BEATTY

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166(3) of the Mining Act. Under section 8 of the work and correspond with the mining land holder. Northern Development and Mines, 6th Floor.

Personal information Mining Act, the Inform Questions about this: 933 Ramsey Lake R

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240. - Please type or print in ink.

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1. Recorded holder(s) (Attach a list if necessary)

Form with fields for Name, Address, Client Number, Telephone Number, Fax Number. Includes handwritten entry for Exploration Maude Lake.

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

- Geotechnical: prospecting, surveys, assays and work under section 18 (regs) [checked]
Physical: drilling, stripping, trenching and associated assays [unchecked]
Rehabilitation [unchecked]

Work Type: Ecological surveys and assays, compilation works. Office Use: Commodity, Total \$ Value of Work Claimed, NTS Reference, Mining Division, Resident Geologist District.

- Please remember to: - obtain a work permit from the Ministry of Natural Resources as required; - provide proper notice to surface rights holders before starting work; - complete and attach a Statement of Costs, form 0212; - provide a map showing contiguous mining lands that are linked for assigning work; - include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Form with fields for Name, Address, Telephone Number, Fax Number. Includes entries for Séan Smith, Derco Gestion conseil, and François Roy. Includes a RECEIVED stamp from the Geoscience Assessment Office dated SEP 08 1997.

4. Certification by Recorded Holder or Agent

I, François Roy, do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent: [Signature] Date: 10/20/97



the mining land where work was performed, at the time work was performed. A map showing the contiguous link between the mining claims of this company this form.

	A	B	C	D	E	F
Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date.	
eg TB 7827	16 ha	\$26,825	N/A	\$24,000	\$2,825	
eg 1234567	12	0	\$24,000	0	0	
eg 1234568	2	\$ 8,892	\$ 4,000	0	\$4,892	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
<b>Column Totals</b>						

2.17644

I, FRANÇOIS ROY, do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Record Holder or Agent Authorized in Writing: [Signature] Date: 02/09/1997

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- 3. Credits are to be cut back equally over all claims listed in this declaration;
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

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OFFICE

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date <u>02/11/97</u>	Date Notification Sent
	Date Approved <u>[Signature]</u>	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature) <u>[Signature]</u>		



Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use)

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of Work <small>Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.</small>	Cost Per Unit of work	Total Cost
Echantillons AU	37	10.15	376
Géologue sénior	12	550	6600
Géologue	68	375	25500
Assistant Géologue	28	270	7560
Technicien	7	240	1680
<b>Associated Costs (e.g. supplies, mobilization and demobilization).</b>			
Compilation		2.17644	1115
Matériel, réparation, divers			713
<b>Transportation Costs</b>			
Location de camion		1000/mois	1000
Esence			418
<b>Food and Lodging Costs</b>			
Logement			1764
Repas			1378
<b>Total Value of Assessment Work</b>			<b>58104</b>

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

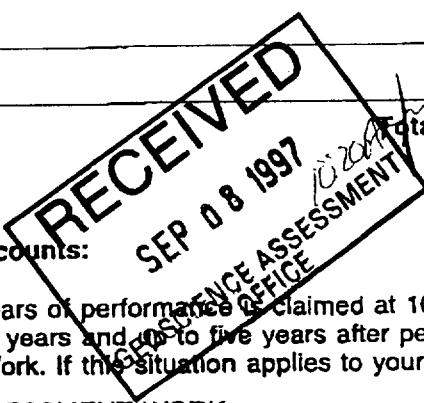
TOTAL VALUE OF ASSESSMENT WORK  $\times 0.50 =$  Total \$ value of worked claimed.

Note:

- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, FRANÇOIS ROY (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Vice PRÉSIDENT EXPLORATION I am authorized (recorded holder, agent, or state company position with signing authority) to make this certification.



*[Handwritten signature]*

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Claim number	Nb of claim units	Work performed	Work applied	Work to other claim	Bank
822808	16 ha	243	0	0	243
822810	16 ha	243	0	0	243
822811	16 ha	243	0	0	243
822812	16 ha	243	0	0	243
822813	16 ha	243	0	0	243
822816	16 ha	243	0	0	243
822820	16 ha	243	0	0	243
822822	16 ha	243	0	0	243
822823	16 ha	243	0	0	243
822824	16 ha	243	0	0	243
822827	16 ha	243	0	0	243
822828	16 ha	243	0	0	243
822829	16 ha	243	0	0	243
822832	16 ha	243	0	0	243
822833	16 ha	243	0	0	243
822834	16 ha	243	0	0	243
822835	16 ha	243	0	0	243
935243	16 ha	243	0	0	0
943217	16 ha	243	400	0	0
943218	16 ha	243	400	0	0
943219	16 ha	243	400	0	0
943220	16 ha	243	400	0	0
943221	16 ha	243	400	0	0
943222	16 ha	243	400	0	0
943223	16 ha	243	400	0	0
943224	16 ha	243	400	0	0
943225	16 ha	243	400	0	0
943226	16 ha	243	400	0	0
943228	16 ha	243	400	0	0
943229	16 ha	243	400	0	0
943230	16 ha	243	400	0	0
943231	16 ha	243	400	0	0
943232	16 ha	243	400	0	0
943233	16 ha	243	400	0	0
943234	16 ha	243	400	0	0
943235	16 ha	243	400	0	0
943236	16 ha	243	400	0	0
943237	16 ha	243	400	0	0
943238	16 ha	243	400	0	0
943239	16 ha	243	400	0	0
943240	16 ha	243	400	0	0
943241	16 ha	243	400	0	0
943242	16 ha	243	400	0	0
943243	16 ha	243	400	0	0
943244	16 ha	243	400	0	0
943245	16 ha	243	400	0	0
943246	16 ha	243	0	0	243
1222133	16 ha	243	0	0	243
1222134	16 ha	243	0	0	243
943227	16 ha	243	0	0	243
802289	16 ha	243	0	0	243
822809	16 ha	243	0	0	243
total		12636	11600	0	5589

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Claim number	Nb of claim units	Work performed	Work applied	Work to other claim	Bank
772562	16 ha	243	0	0	243
772563	16 ha	243	0	0	243
772564	16 ha	243	0	0	243
787086	16 ha	243	400	0	0
787087	16 ha	243	400	0	0
787089	16 ha	243	400	0	0
787090	16 ha	243	400	0	0
787092	16 ha	243	400	0	0
787093	16 ha	243	0	243	0
787094	16 ha	243	0	243	0
787099	16 ha	243	0	243	0
787100	16 ha	243	0	243	0
787101	16 ha	243	0	243	0
787102	16 ha	243	0	243	0
787103	16 ha	243	0	0	243
787104	16 ha	243	0	0	243
787105	16 ha	243	0	0	243
787108	16 ha	243	0	0	243
787111	16 ha	243	0	0	243
787112	16 ha	243	0	0	243
787113	16 ha	243	0	0	243
787118	16 ha	243	0	0	243
787119	16 ha	243	0	0	243
787121	16 ha	243	0	0	243
787125	16 ha	243	0	112	131
787144	16 ha	243	0	0	243
796676	16 ha	243	0	0	243
796677	16 ha	243	0	0	243
796680	16 ha	243	0	0	243
796681	16 ha	243	0	0	243
796682	16 ha	243	0	0	243
801022	16 ha	243	0	0	243
801023	16 ha	243	0	0	243
802282	16 ha	243	0	0	243
802283	16 ha	243	0	0	243
802284	16 ha	243	0	0	243
802285	16 ha	243	0	0	243
802286	16 ha	243	0	0	243
802287	16 ha	243	0	0	243
802288	16 ha	243	0	0	243
802290	16 ha	243	0	0	243
802297	16 ha	243	0	0	243
802298	16 ha	243	0	0	243
802300	16 ha	243	0	0	243
802301	16 ha	243	0	0	243
802304	16 ha	243	0	0	243
802305	16 ha	243	0	0	243
802307	16 ha	243	0	0	243
802308	16 ha	243	0	0	243
802309	16 ha	243	0	0	243
802310	16 ha	243	0	0	243
822807	16 ha	243	0	0	243
total		12636	2000	1570	9851

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Claim number	Nb of claim units	Work performed	Work applied	Work to other claim	Bank
700902	16 ha	243	0	0	243
700903	16 ha	243	0	0	243
700904	16 ha	243	0	0	243
700905	16 ha	243	0	0	243
700907	16 ha	243	0	0	243
700908	16 ha	243	0	0	243
700909	16 ha	243	0	0	243
700910	16 ha	243	0	0	243
714759	16 ha	243	0	0	243
714760	16 ha	243	0	0	243
714761	16 ha	243	0	0	243
714763	16 ha	243	0	0	243
714764	16 ha	243	0	0	243
714766	16 ha	243	0	0	243
714767	16 ha	243	0	0	243
714768	16 ha	243	0	0	243
714769	16 ha	243	0	0	243
714770	16 ha	243	0	0	243
714771	16 ha	243	0	0	243
714772	16 ha	243	0	0	243
714773	16 ha	243	0	0	243
714774	16 ha	243	0	0	243
714775	16 ha	243	0	0	243
714776	16 ha	243	0	0	243
714777	16 ha	243	0	0	243
714778	16 ha	243	0	0	243
714779	16 ha	243	0	0	243
714780	16 ha	243	0	0	243
714781	16 ha	243	0	0	243
714782	16 ha	243	0	0	243
714783	16 ha	243	0	0	243
714784	16 ha	243	0	0	243
714785	16 ha	243	0	0	243
714786	16 ha	243	0	0	243
714787	16 ha	243	0	0	243
714788	16 ha	243	0	0	243
714789	16 ha	243	0	0	243
714790	16 ha	243	0	0	243
714791	16 ha	243	0	0	243
714792	16 ha	243	0	0	243
737481	16 ha	243	400	0	0
737493	16 ha	243	400	0	0
737496	16 ha	243	400	0	0
772550	16 ha	243	0	0	243
772551	16 ha	243	0	0	243
772552	16 ha	243	0	0	243
772554	16 ha	243	0	0	243
772555	16 ha	243	400	0	0
772556	16 ha	243	400	0	0
772559	16 ha	243	0	0	243
772560	16 ha	243	0	0	243
772561	16 ha	243	0	0	243
total		12636	2000	0	11421

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Claim number	Nb of claim units	Work performed	Work applied	Work to other claim	Bank
1118776	16 ha	243	0	0	243
1118777	16 ha	243	0	0	243
1118778	16 ha	243	0	0	243
1180147	16 ha	243	0	0	243
1211442	16 ha	243	0	243	0
1211443	16 ha	243	0	243	0
1211444	16 ha	243	0	243	0
1211445	16 ha	243	0	243	0
1211446	16 ha	243	0	243	0
1211447	16 ha	243	0	243	0
1211448	16 ha	243	0	243	0
1211449	16 ha	243	0	243	0
1211450	16 ha	243	0	243	0
1217410	64 ha	243	0	243	0
1217411	64 ha	243	0	243	0
1217482	64 ha	243	0	243	0
1217493	16 ha	243	0	243	0
1217756	192 ha	243	0	243	0
1221707	32 ha	243	0	243	0
1221708	48 ha	243	0	243	0
1221709	48 ha	243	0	243	0
714762	16 ha	243	0	243	0
714765	16 ha	243	0	179	6664
642508	16 ha	243	0	0	-8243
642509	16 ha	243	0	0	8243
642514	16 ha	243	0	0	8243
642515	16 ha	243	0	0	8243
642516	16 ha	243	0	0	8243
642517	16 ha	243	0	0	243
642518	16 ha	243	0	0	243
642519	16 ha	243	0	0	243
642520	16 ha	243	0	0	243
642521	16 ha	243	0	0	243
642522	16 ha	243	0	0	243
642572	16 ha	243	0	0	243
642573	16 ha	243	0	0	243
642575	16 ha	243	0	0	243
642576	16 ha	243	0	0	243
642577	16 ha	243	0	0	243
642578	16 ha	243	0	0	243
642579	16 ha	243	0	0	243
642785	16 ha	243	0	0	243
642786	16 ha	243	0	0	243
642807	16 ha	243	0	0	243
700894	16 ha	243	0	0	243
700895	16 ha	243	0	0	243
700896	16 ha	243	0	0	278
700897	16 ha	278	0	0	243
700898	16 ha	243	0	0	243
700899	16 ha	243	0	0	243
700900	16 ha	243	0	0	243
700901	16 ha	243	0	0	243
total		12671	0	4551	8995

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Claim number	Nb of claim units	Work performed	Work applied	Work to other claim	Bank
1180144.	16 ha	161	0	161	0
682425	16 ha	161	400	0	0
682426	16 ha	161	400	0	0
682428	16 ha	161	400	0	0
682429	16 ha	161	400	0	0
682430	16 ha	161	400	0	0
<del>682430</del>	<del>16 ha</del>	<del>161</del>	<del>400</del>	<del>0</del>	<del>0</del>
682431	16 ha	161	400	0	0
682432	16 ha	161	400	0	0
682434	16 ha	161	400	0	0
682435	16 ha	161	400	0	0
682436	16 ha	161	400	0	0
682437	16 ha	161	400	0	0
682438	16 ha	161	400	0	0
682439	16 ha	161	400	0	0
682440	16 ha	161	400	0	0
682441	16 ha	161	0	161	0
682442	16 ha	161	0	161	0
682443	16 ha	161	0	161	0
682444	16 ha	161	0	161	0
682450	16 ha	161	0	161	0
682451	16 ha	161	0	161	0
682452	16 ha	161	0	161	0
682453	16 ha	161	0	161	0
682454	16 ha	161	0	161	0
682455	16 ha	161	0	161	0
682456	16 ha	161	0	161	0
682457	16 ha	161	0	161	0
682458	16 ha	161	0	161	0
682459	16 ha	161	0	161	0
700911	16 ha	161	0	161	0
700912	16 ha	161	0	161	0
714793	16 ha	161	0	161	0
714794	16 ha	161	0	161	0
714795	16 ha	161	0	161	0
714796	16 ha	161	0	161	0
714797	16 ha	161	0	161	0
714798	16 ha	161	0	43	118
787130	16 ha	192	0	0	192

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6.310 6,000 8.585 310 F.R.

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Claim number	Nb of claim units	Work performed	Work applied	Work to other claim	Bank
822819	16 ha	243	0	0	243
787120	16 ha	243	0	0	243
787122	16 ha	243	0	0	243
700908	16 ha	243	0	0	243
682433	16 ha	243	0	0	243
total		1215	0	0	1215

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F.A.



Ministry of  
Northern Development  
and Mines

Ministère du  
Développement du Nord  
et des Mines



January 6, 1998

Francois Roy  
MAUDE LAKE EXPLORATION LIMITED  
255, 9e rue  
Bureau 201  
Rouy-Noranda, Quebec  
S9X 2C3

Geoscience Assessment Office  
933 Ramsey Lake Road  
6th Floor  
Sudbury, Ontario  
P3E 6B5

Telephone: (888) 415-9846  
Fax: (705) 670-5881

Dear Sir or Madam:

**Submission Number: 2.17644**

**Status**

**Subject: Transaction Number(s):** W9780.00911 Approval After Notice

---

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. **WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.**

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice.

Please note any revisions must be submitted in **DUPLICATE** to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Lucille Jerome by e-mail at [jeromel2@epo.gov.on.ca](mailto:jeromel2@epo.gov.on.ca) or by telephone at (705) 670-5858.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Blair Kite".

ORIGINAL SIGNED BY  
Blair Kite  
Supervisor, Geoscience Assessment Office  
Mining Lands Section

# Work Report Assessment Results

**Submission Number:** 2.17644

**Date Correspondence Sent:** January 06, 1998

**Assessor:** Lucille Jerome

<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9780.00911	1180144	WILKIE, CARR, BEATTY, COULSON, WARDEN	Approval After Notice	January 05, 1998

**Section:**

12 Geological GEOL

The revisions outlined in the Notice dated November 27, 1997, have been corrected. Accordingly, assessment work credit has been approved as outlined on the Declaration of Assessment Work Form accompanying this submission.

**Correspondence to:**

Resident Geologist  
Kirkland Lake, ON

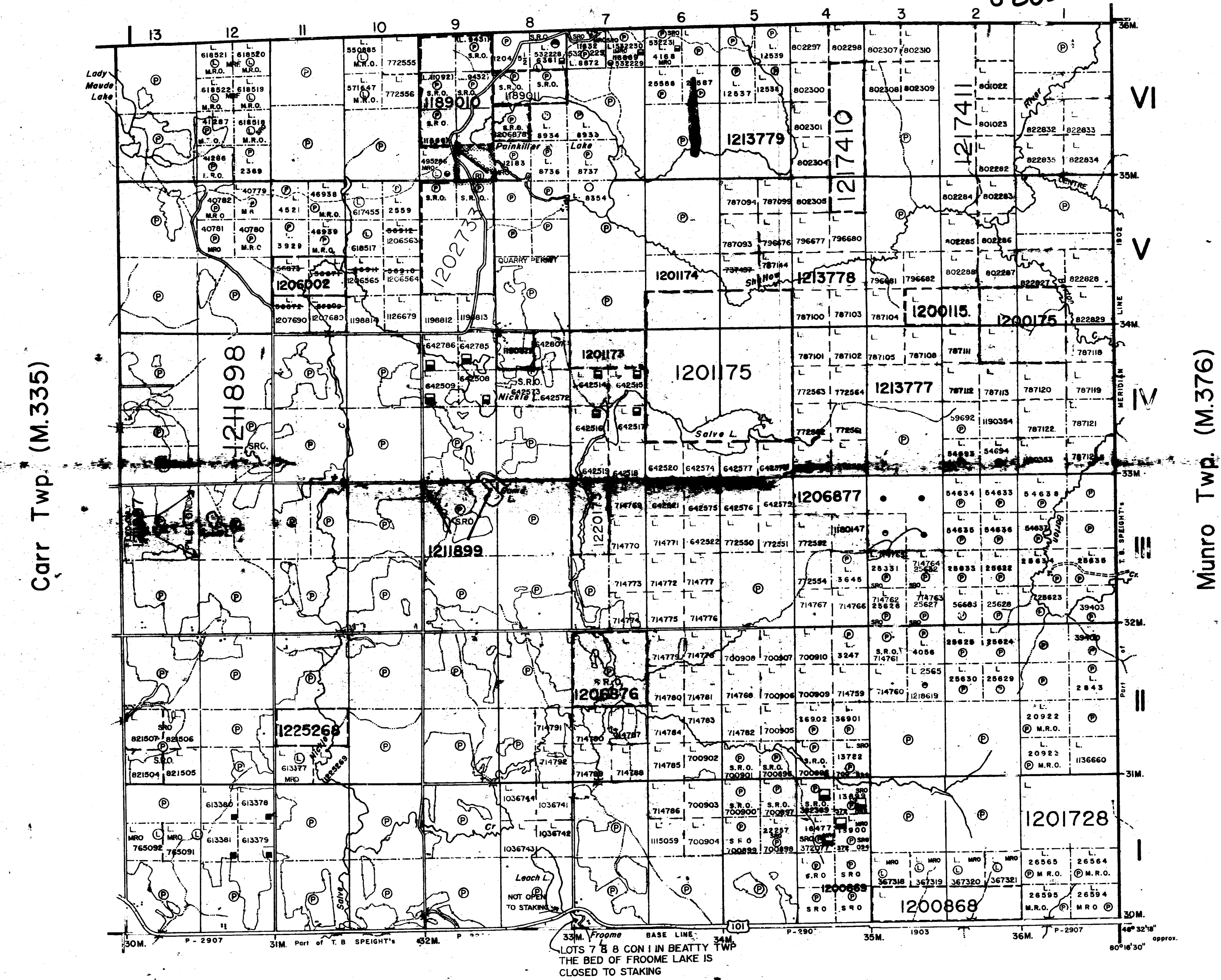
**Recorded Holder(s) and/or Agent(s):**

Francois Roy  
MAUDE LAKE EXPLORATION LIMITED  
Rouy-Noranda, Quebec

Assessment Files Library  
Sudbury, ON

Couison Twp. (M.340)

2.17644  
GEOLOGICAL



NOTES

400' Surface Rights Reservation along the shores of all lakes and rivers.

NOTICE OF FORESTRY ACTIVITY

THIS TOWNSHIP / AREA FALLS WITHIN THE WOODBINE MANAGEMENT UNIT, AND MAY BE SUBJECT TO FORESTRY OPERATIONS. THE MIN UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT:

PO BOX 129  
BRANTFORD, ONT.  
POK ITO  
705-642-3222

MINING RIGHTS WITHDRAWN FROM STAKING, PROSPECTING, SALE OR LEASE, SECTION 35, THE MINING ACT, RSO 1990 W-L-22/96 MER

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

LEGEND

- PATENTED LAND
  - PATENTED FOR SURFACE RIGHTS ONLY
  - LEASE
  - LICENSE OF OCCUPATION
  - CROWN LAND SALE
  - LOCATED LAND
  - CANCELLED
  - MINING RIGHTS ONLY
  - SURFACE RIGHTS
  - HIGHWAY & ROUTE No.
  - ROADS
  - TRAILS
  - POWER LINES
  - MARSH OR MUSKEG
  - MINES
- DATE OF ISSUE  
JAN 06 1998
- PROVINCIAL RECORDING OFFICE - SUDBURY
- used only with summer resort locations or when space is limited.

TOWNSHIP OF  
**BEATTY**

DISTRICT OF  
COCHRANE

LARDER LAKE  
MINING DIVISION

SCALE: 1 INCH = 40 CHAINS (1/2 MI.E)

DR. k.k.  
DATE Oct./71  
PLAN No. **M.324**

**ONTARIO  
DEPARTMENT OF MINES  
AND NORTHERN AFFAIRS**

CIRCULATED NOVEMBER 29 1994

ARCHIVED JANUARY 25, 1994  
ARCHIVED ON JUNE 01/95  
ARCHIVED APRIL 23/97.



200

255

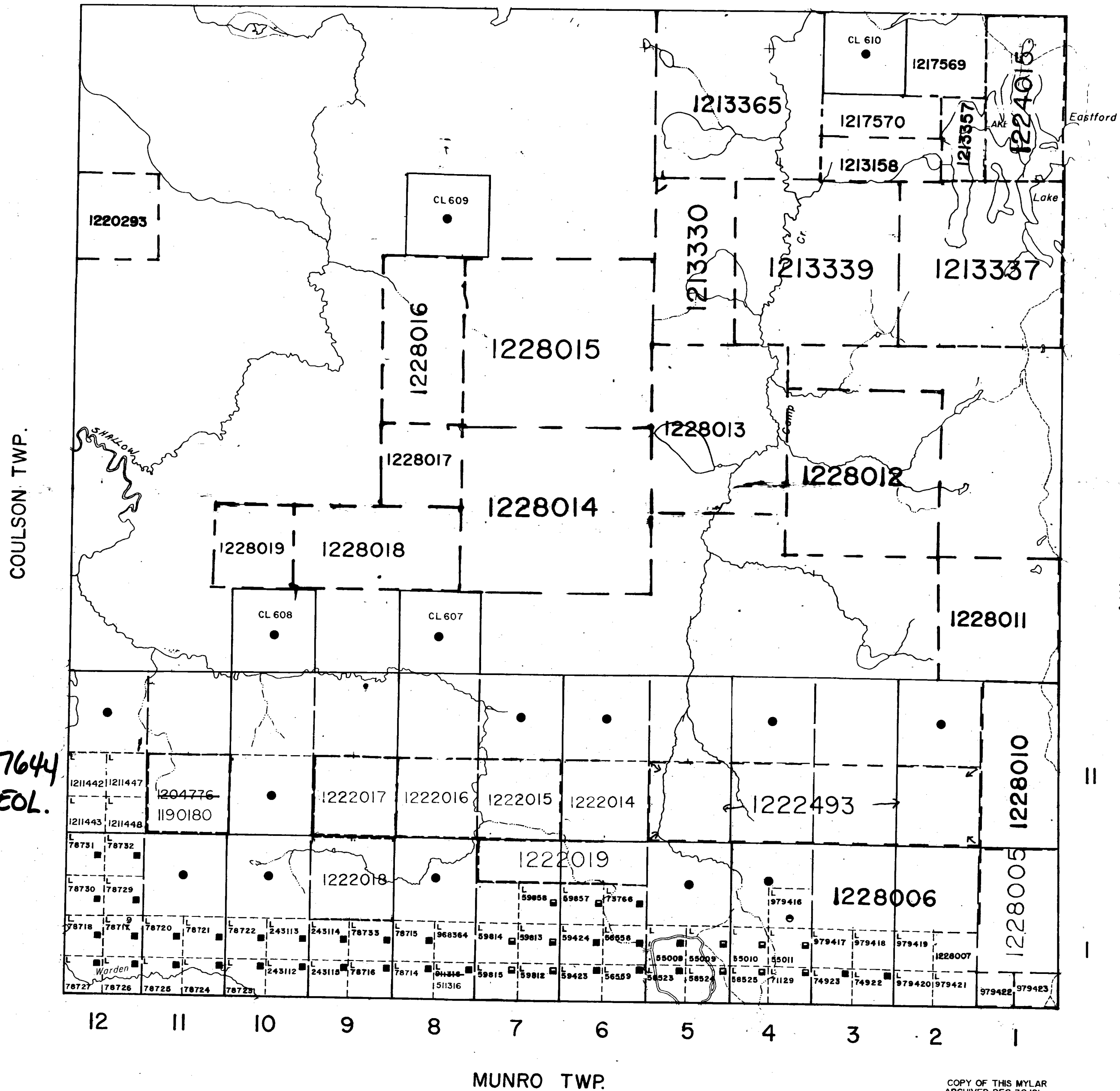
**REFERENCES**

**AREAS WITHDRAWN FROM DISPOSITION**

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description Order No. Date Disposition File

KERRS TWP.



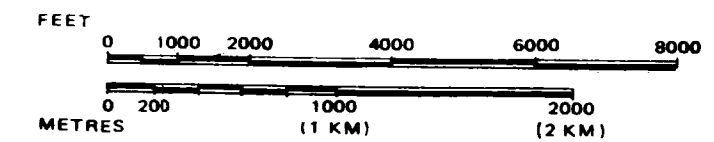
**LEGEND**

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

**DISPOSITION OF CROWN LANDS**

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	◼
" MINING RIGHTS ONLY	◻
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊗
SAND & GRAVEL	⊕

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP DATE OF ISSUE

**WARDEN** JAN 0 6 1998  
 PROVINCIAL RECORDING  
 M.N.R. ADMINISTRATIVE OFFICE SUDBURY  
**COCHRANE**  
 MINING DIVISION  
**LARDER LAKE**  
 LAND TITLES / REGISTRY DIVISION  
**COCHRANE**

Ministry of Natural Resources Ontario  
 Ministry of Northern Development and Mines

Date: FEBRUARY 1990  
 Number: **G-3727**

CIRCULATED INTO SERVICE MAY 11/90

and F.H.



210

G-3727

WARDEN TWP.

G-3

FOOT SURFACE RIGHTS RESERVATION AROUND ALL LAKES RIVERS

OFFICE OF FORESTRY ACTIVITY  
 TOWNSHIP / AREA FALLS WITHIN THE \_\_\_\_\_  
 FOREAG MANAGEMENT UNIT  
 MAY BE SUBJECT TO FORESTRY OPERATIONS.  
 FORESTRY UNIT FORESTER FOR THIS AREA CAN BE  
 CONTACTED AT: P.O. BOX 129  
 SWASTIKA, ONT.  
 POK ITO  
 705-642-3222

2.17644  
 GEOL.

INFORMATION THAT IS SHOWN ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES. ACCURACY IS NOT GUARANTEED. THOSE GOING TO STAKE MININGS SHOULD CONSULT WITH THE MINING DEPARTMENT, MINISTRY OF ECONOMIC DEVELOPMENT AND TRADE, FOR ADDED INFORMATION ON THE STATUS OF THE AREAS SHOWN HEREON.

COPY OF THIS MYLAR ARCHIVED DEC 30/91  
 ARCHIVED NOV. 8, 1994  
 ARCHIVED JULY 24/96



KNOX TOWNSHIP

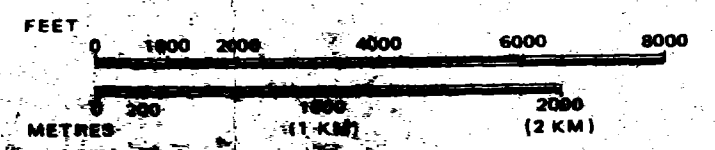
LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	◼
" MINING RIGHTS ONLY	◻
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊘
GRAVEL	⊚

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP **COULSON** DATE OF ISSUE JAN 06 1998

M.N.R. ADMINISTRATIVE RECORDING OFFICE - SUDBURY

KIRKLAND LAKE

MINING DIVISION

LARDER LAKE

LAND TITLES / REGISTRY DIVISION

COCHRANE

Ministry of Natural Resources Ontario

Ministry of Northern Development and Mines

Date APRIL 1996

Number G-3623

CIRCULATED JANUARY 25, 1998

DISPOSITION

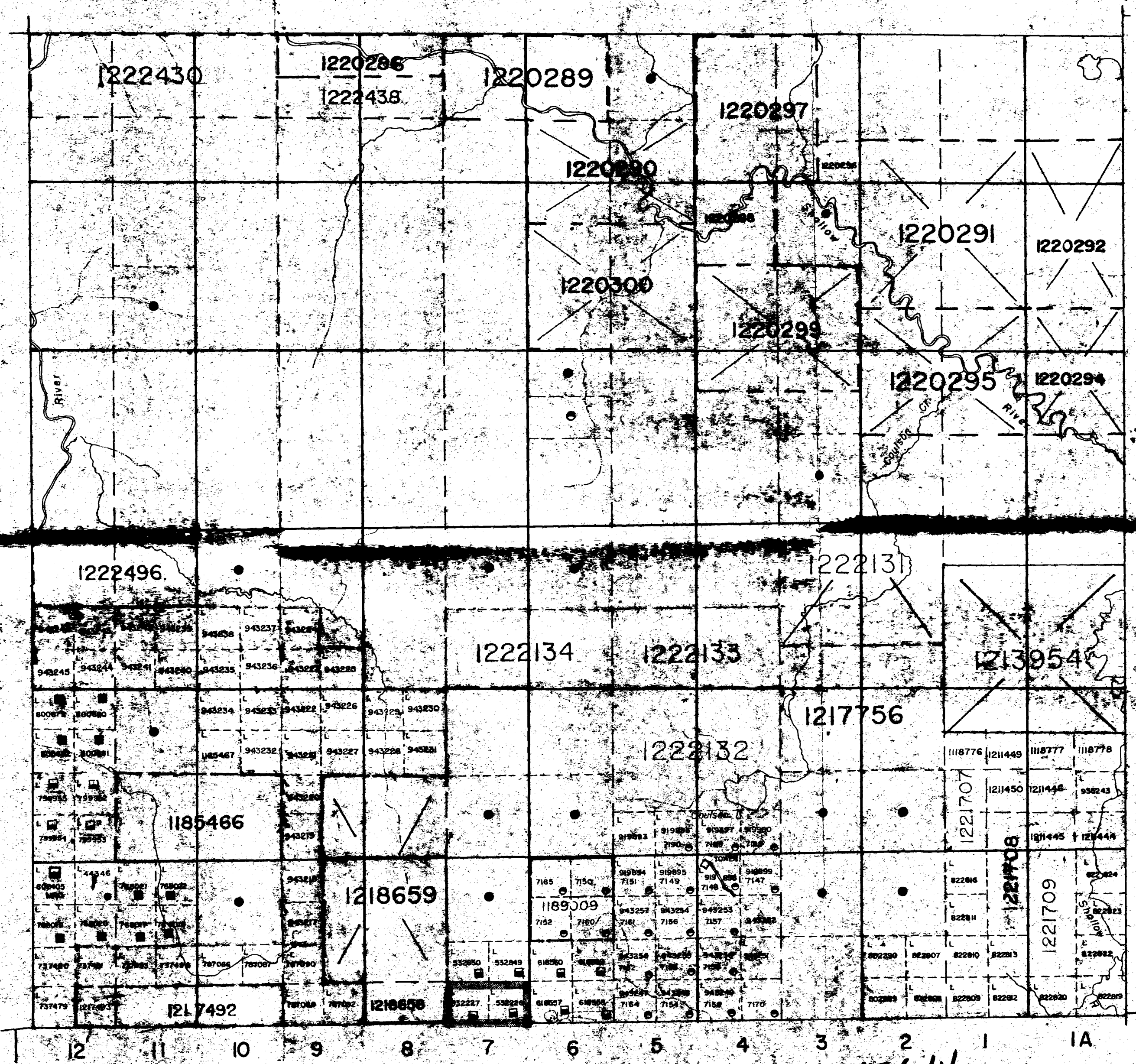
MINING RIGHTS ONLY

SURFACE RIGHTS

RESERVATION AND RIVERS

WILKIE TOWNSHIP

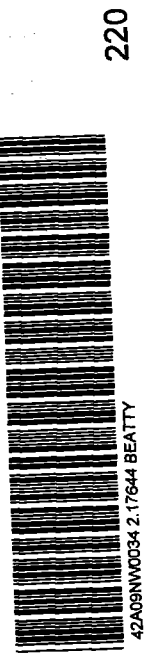
WARDEN TOWNSHIP



BEATTY TOWNSHIP

2.17644 GEOL.

A COPY OF THIS MYLAR ARCHIVED OCTOBER 02/95



REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

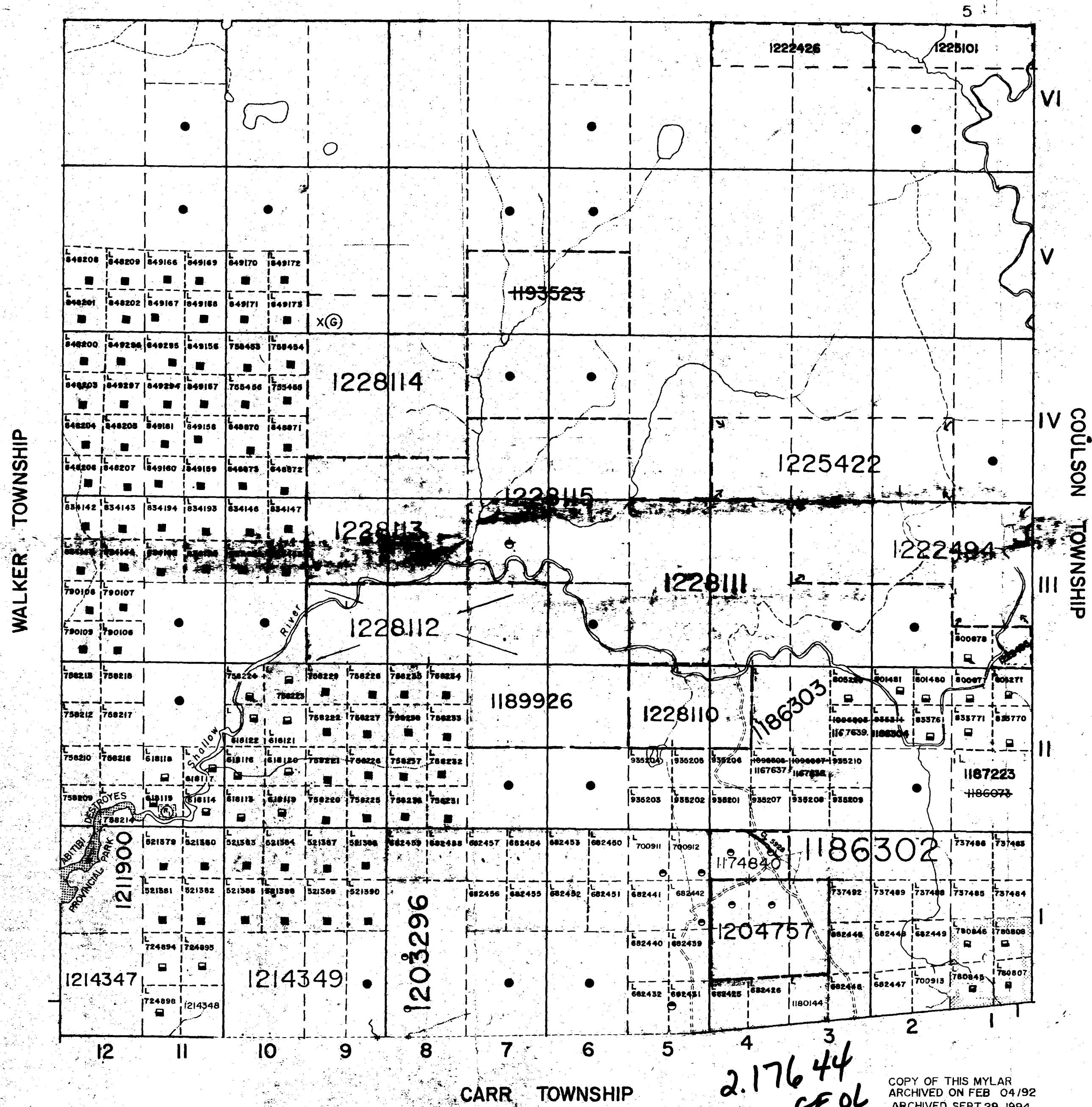
- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
SEC.36/80	W.66/83	18/11/83	M & S	171506

NOTICE OF FORESTRY  
 THIS TOWNSHIP/AREA FALL WITHIN THE WATABEAG MANAGEMENT UNIT AND MAY BE SUBJECT TO FORESTRY OPERATIONS.  
 MNR UNIT FORESTRY OPERATIONS SHOULD BE CONTACTED AT:  
 FOX - 101  
 705-442-3823

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

RICKARD TOWNSHIP

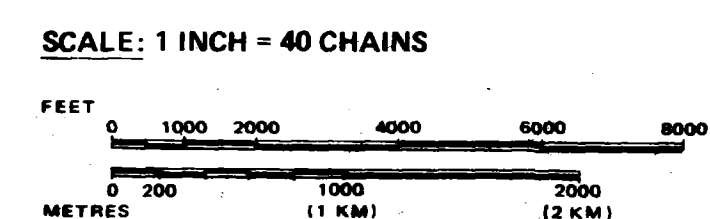


LEGEND

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	◐
LEASE, SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	□
" MINING RIGHTS ONLY	◻
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊗
SAND & GRAVEL	⊖



TOWNSHIP  
**WILKIE**  
 DATE OF ISSUE  
 JAN 0 6 1998  
 M.N.R. ADMINISTRATIVE RECORDING OFFICE - SUDBURY  
 COCHRANE  
 MINING DIVISION  
 LARDER LAKE  
 LAND TITLES / REGISTRY DIVISION  
 COCHRANE

Ministry of Natural Resources Ontario  
 Ministry of Northern Development and Mines

Date: MARCH 1990  
 Number: G-3587  
 CIRCULATED JULY 20, 1990

CARR TOWNSHIP

2.17644  
 GEOL

COPY OF THIS MYLAR  
 ARCHIVED ON FEB 04/92  
 ARCHIVED SEPT.29, 1994  
 ARCHIVED AUGUST 21/96.



**DISPOSITION OF CROWN LANDS**

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	◐
LEASE SURFACE & MINING RIGHTS	■
" SURFACE RIGHTS ONLY	□
" MINING RIGHTS ONLY	◑
LICENCE OF OCCUPATION	▽
ORDER-IN-COUNCIL	OC
RESERVATION	⊙
CANCELLED	⊖
SAND & GRAVEL	⊕

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1973, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 300, SEC. 63, SUBSEC. 1.

**AREAS WITHDRAWN FROM DISPOSITION**

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

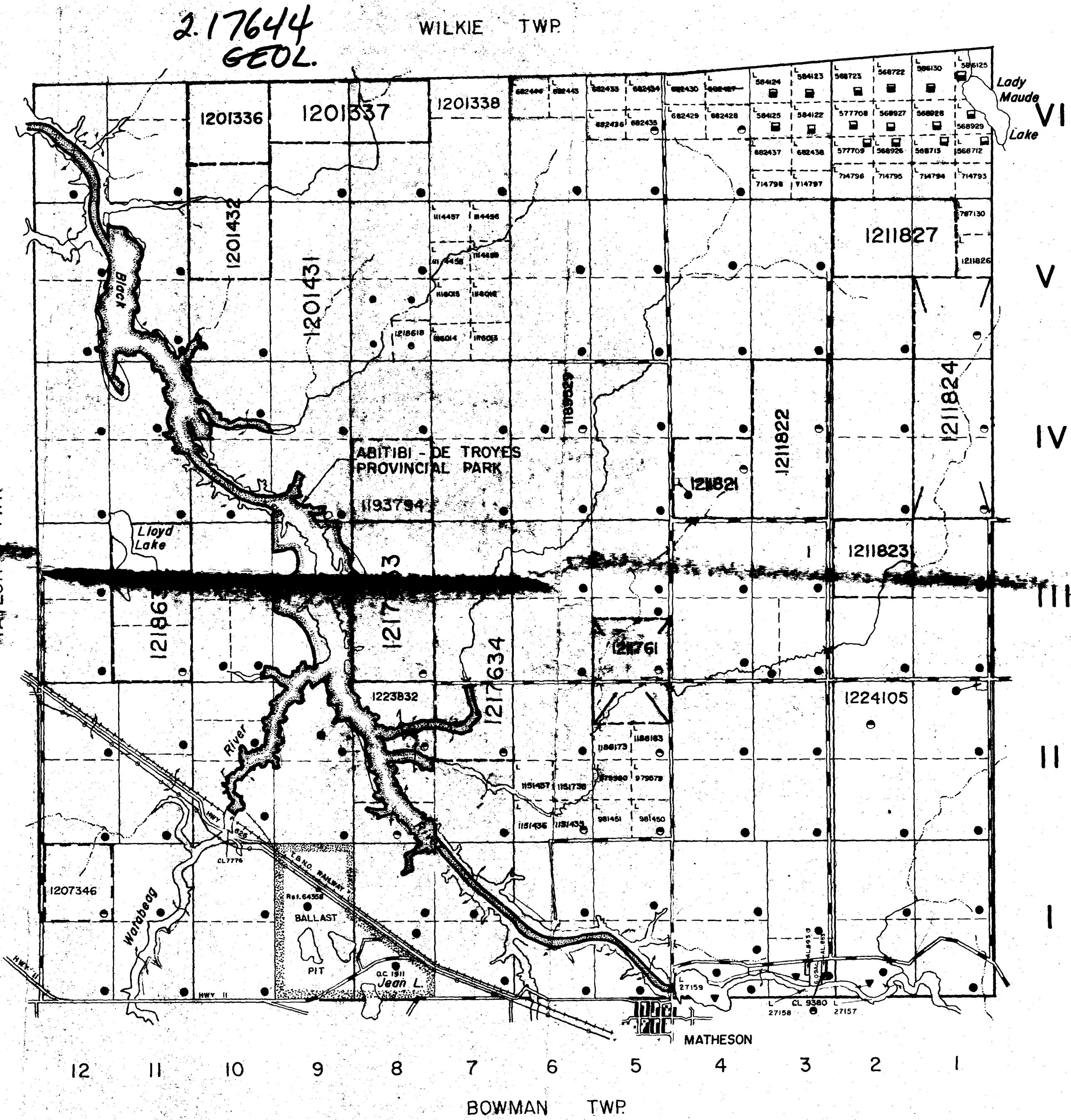
SURFACE RIGHTS WITHDRAWN UNDER SEC. 36, THE MINING ACT R.S.O. 1980, ORDER NO. W-01/91/07 (TRANS CANADA PIPELINE RIGHT OF WAY AND BUFFER ZONE PARTICULARLY 40.25 METERS OR 132 FT. ON EITHER SIDE OF CENTRE LINE OF RIGHT OF WAY)

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

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SWASTIKA, ONT.  
POK ITO  
705-642-3222

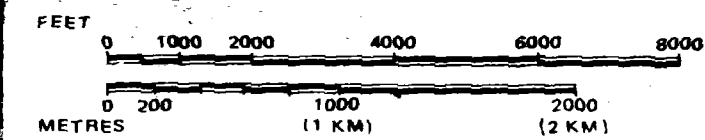


**LEGEND**

- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES: TOWNSHIPS, BASE LINES, ETC.
- LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES: LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
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- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

**NOTES**

- 400' surface rights reservation along the shores of all lakes and rivers.
- L.O. 8672 for flooding rights along the shores of Black and Watabeag rivers.



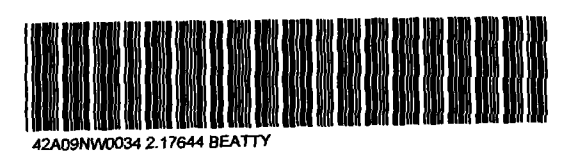
ACRES	HECTARES
40	16

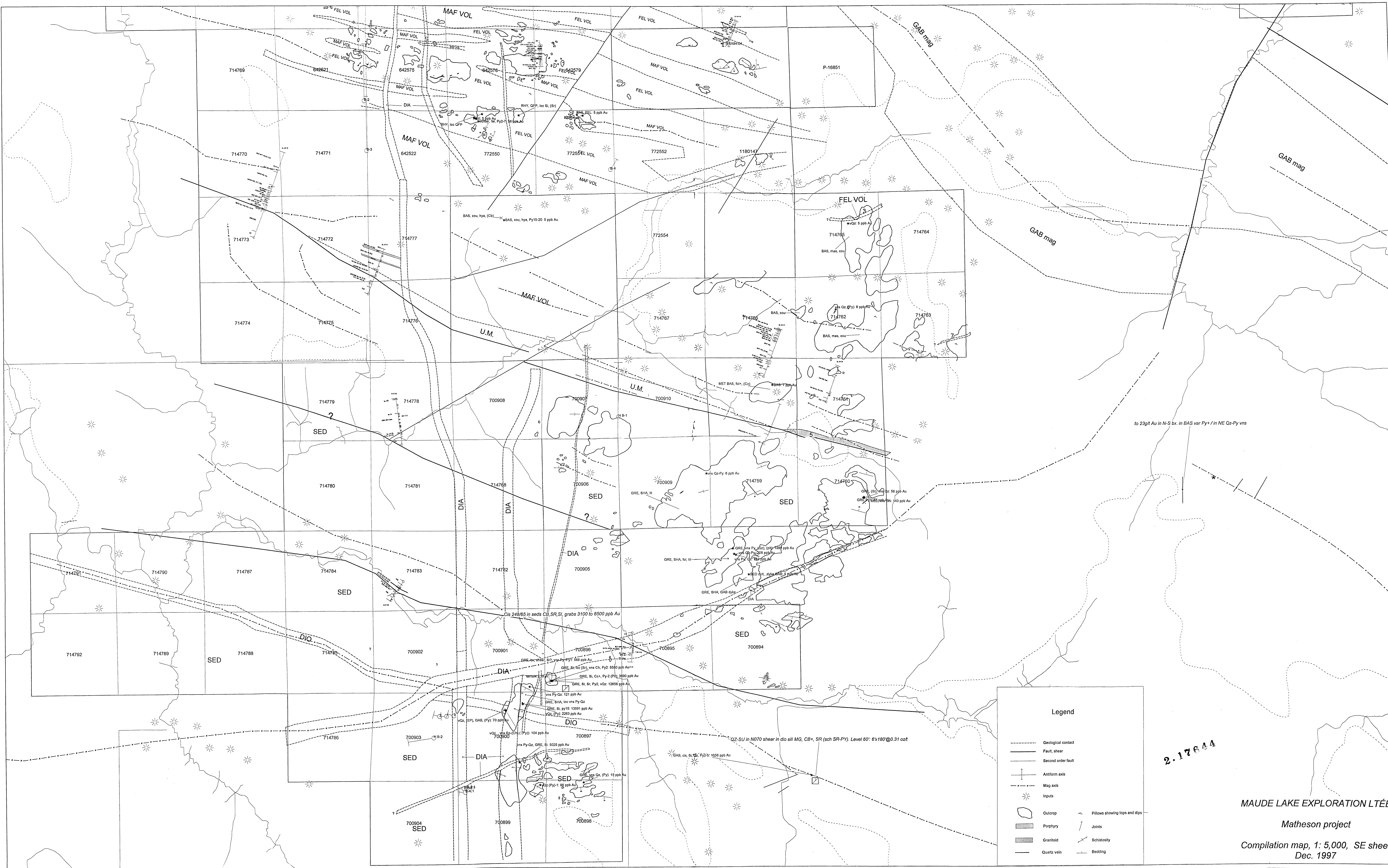
TOWNSHIP OF **CARR** DATE OF ISSUE **JAN 06 1998**  
 DISTRICT **COCHRANE** PROVINCIAL RECORDING OFFICE - SUDBURY  
 MINING DIVISION  
 LARDER LAKE

Ministry of Northern Development and Mines

Date **NOVEMBER '86** Plan No. **G-3613**

CIRCULATED JANUARY 26, 1995 ML  
 ARCHIVED JULY 28/97



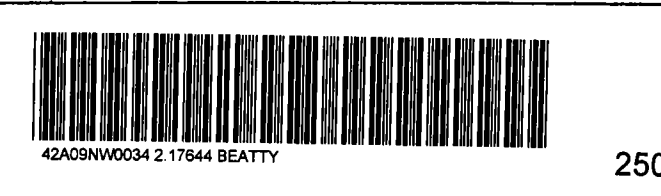


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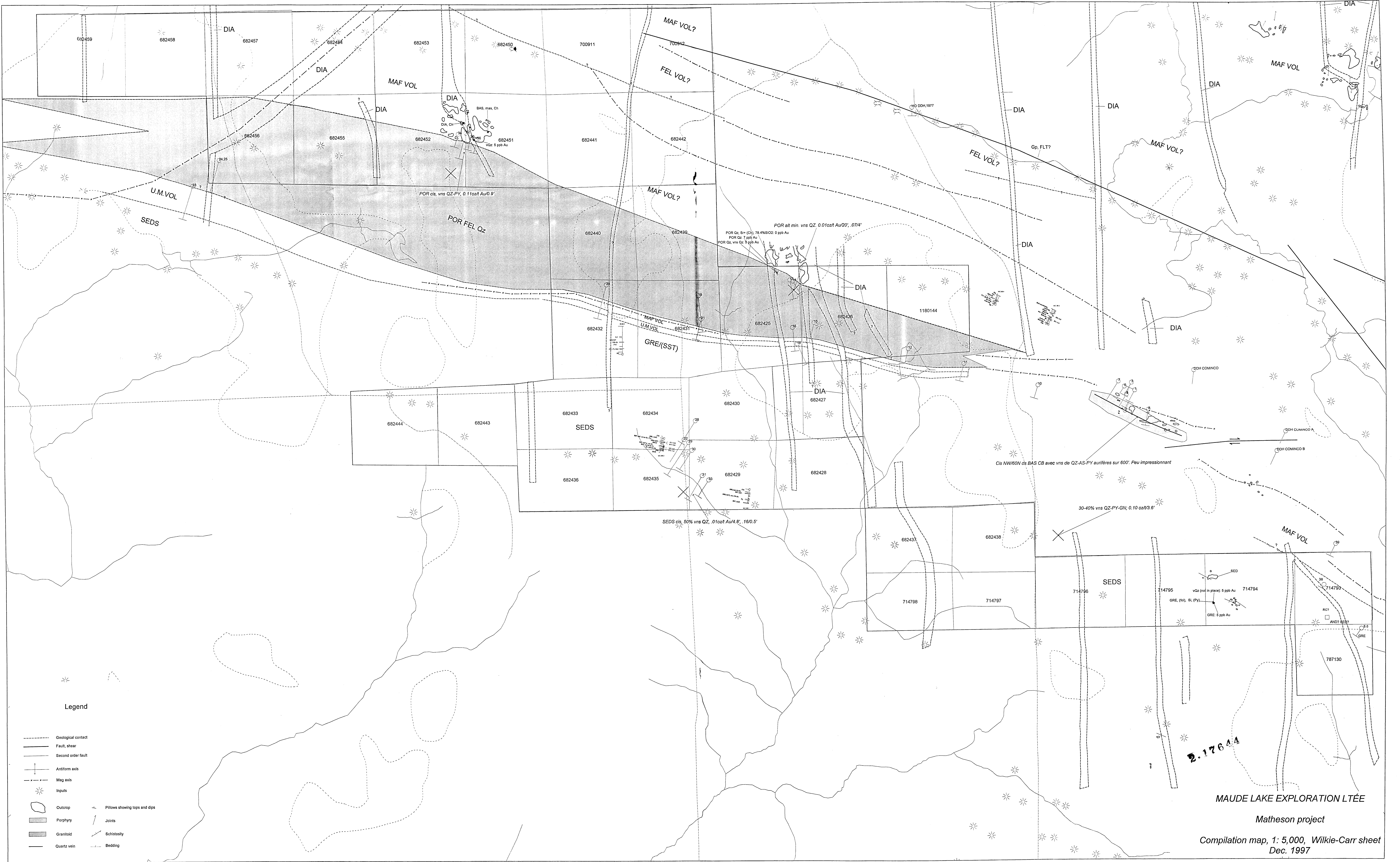
	Geological contact		Pillows showing tops and dips
	Fault, shear		Joints
	Second order fault		Schistosity
	Antiform axis		Bedding
	Mag axis		
	Inputs		
	Outcrop		
	Porphyry		
	Granitoid		
	Quartz vein		

2.17644

MAUDE LAKE EXPLORATION LTÉE  
 Matheson project  
 Compilation map, 1: 5,000, SE sheet  
 Dec. 1997







- Legend**
- Geological contact
  - Fault, shear
  - Second order fault
  - Antiform axis
  - Mag axis
  - \* Inputs
  - Outcrop
  - ▭ Pillows showing tops and dips
  - ▨ Perphyry
  - ▨ Granitoid
  - ▨ Quartz vein
  - Joints
  - Schistosity
  - Bedding

**2.17644**

MAUDE LAKE EXPLORATION LTÉE  
 Matheson project  
 Compilation map, 1: 5,000, Wilkie-Carr sheet  
 Dec. 1997





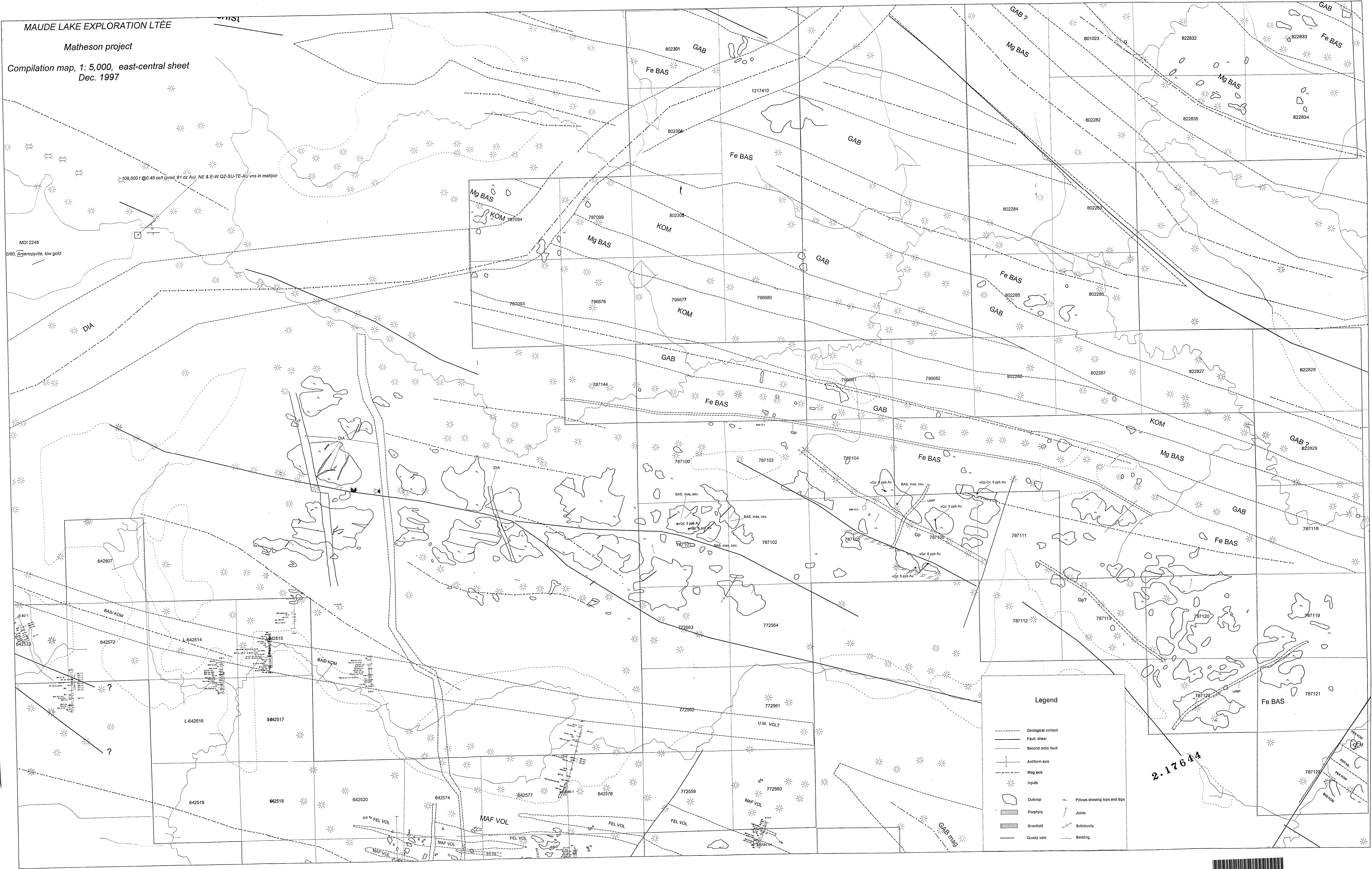
MAUDE LAKE EXPLORATION LTÉE

Matheson project

Compilation map, 1: 5,000, east-central sheet  
Dec. 1997

109,000 t @ 0.48 oz/t (prod. 81 oz Au), NE & E-W QZ-SU-TE-AU vms in maf/por

MDI 2248  
0/60, Arsenopyrite, low gold



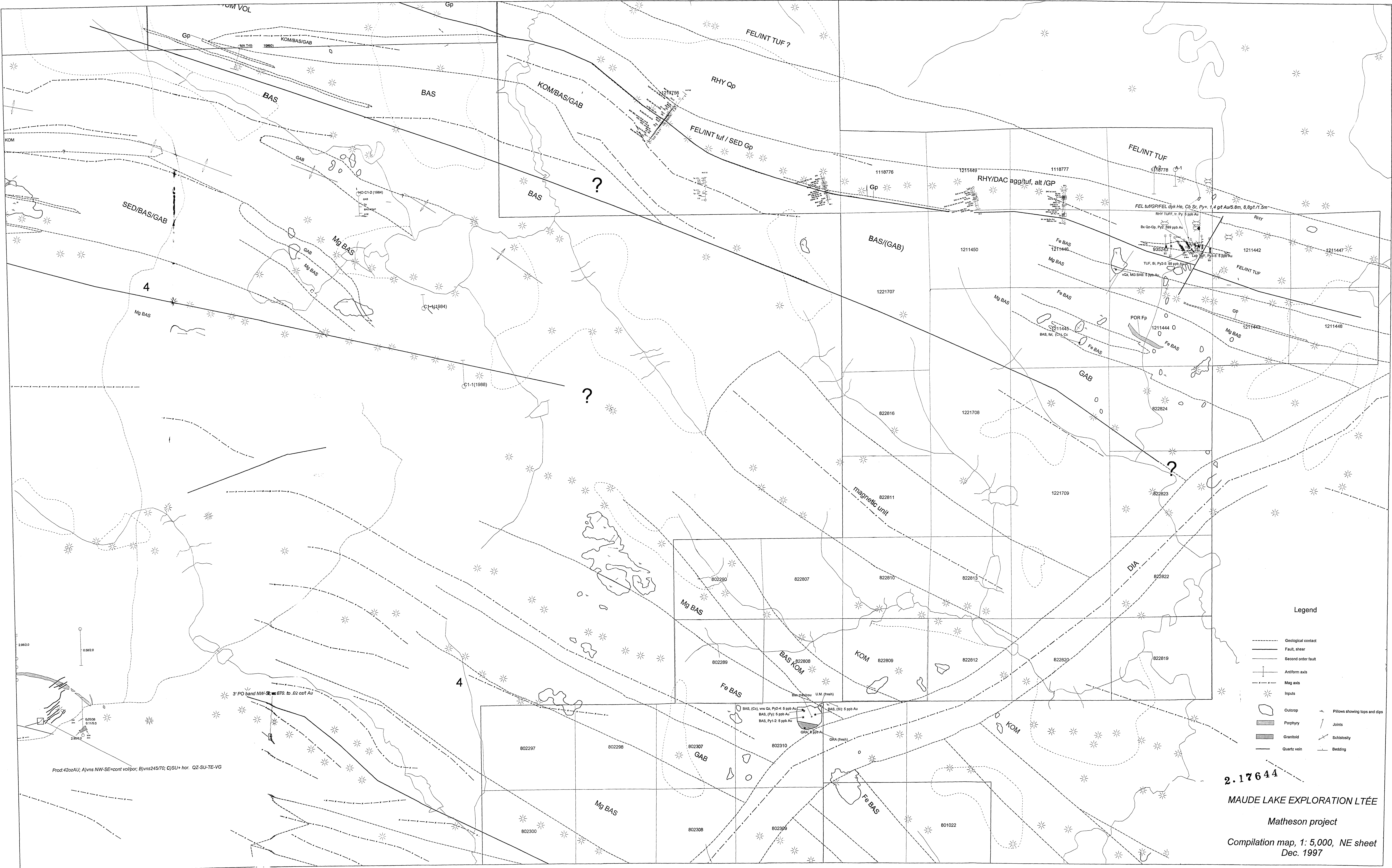
**Legend**

- Geological contact
- Fault, shear
- Second order fault
- Antiform axis
- Mag axis
- Inputs
- Outcrop
- Porphyry
- Granitoid
- Quartz vein
- Fillows showing tops and dips
- Joints
- Schistosity
- Bedding

2-17644







Prod: 4202AU, A) vns NW-SE=cont volt/por, B) vns 245/70, C) SU+ hor. QZ-SU-TE-VG

**Legend**

- Geological contact
- Fault, shear
- Second order fault
- Antiform axis
- Mag axis
- \* Inputs
- Outcrop
- Porphyry
- Granitoid
- Quartz vein
- ▲ Pillows showing tops and dips
- Joints
- Schistosity
- Bedding

**2.17644**  
**MAUDE LAKE EXPLORATION LTÉE**  
 Matheson project  
 Compilation map, 1: 5,000, NE sheet  
 Dec. 1997





1118777

A-2  
1118778

A-1

89-5

205.74m.

Tuf, Buff, fol

py mas

F.P

Py15

Tuf, Buff

Py mas

Nod Py5

che/GP

Nod Py10

py1-3

Nod Py5

Tuf int, Buff/Gp

Py1-2

fol+, (Py)

AND, (fol)

OB



B.L. 74+00N

1211446

935243

M-97-01

687011: 90

687028: 500

687012: 5

687028: 5

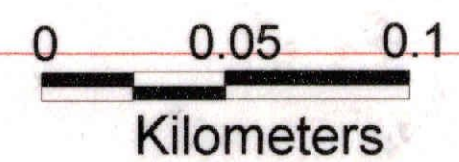
1211442

B.L. 22+00N

553500

RECEIVED  
SEP 08 1997  
10:10  
GEOSCIENCE ASSESSMENT  
OFFICE  
2.17644

RECEIVED  
SEP 08 1997  
GEOSCIENCE ASSESSMENT  
OFFICE

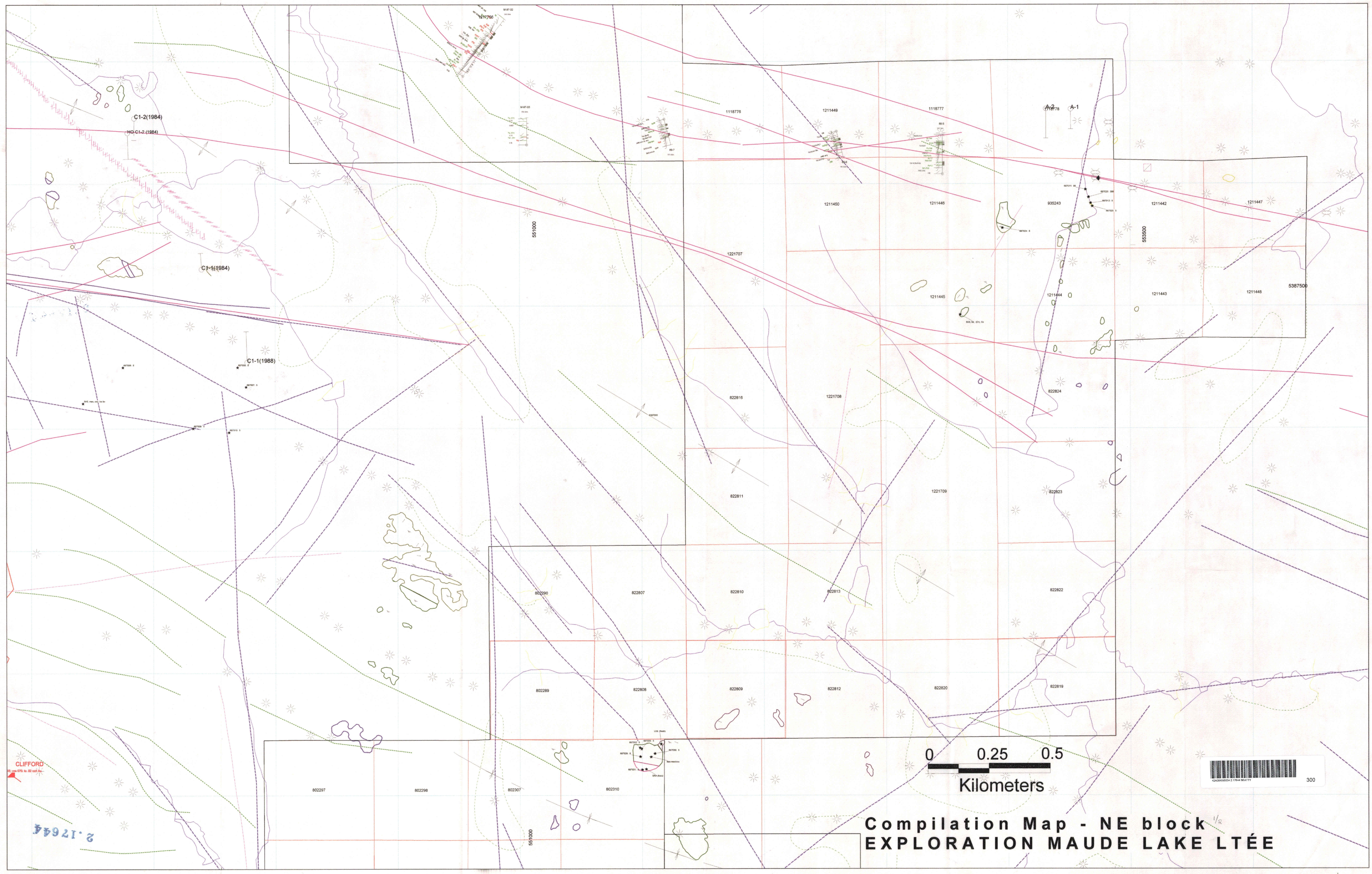


Outcrops detail map - Shallow River area  
Exploration Maude Lake Ltée



42A09NW0034 2.17644 BEATTY





C1-2(1984)

HQ C1-2 (1984)

C1-1(1984)

C1-1(1988)

CLIFFORD

2-12644



Compilation Map - NE block 1/2  
EXPLORATION MAUDE LAKE LTÉE

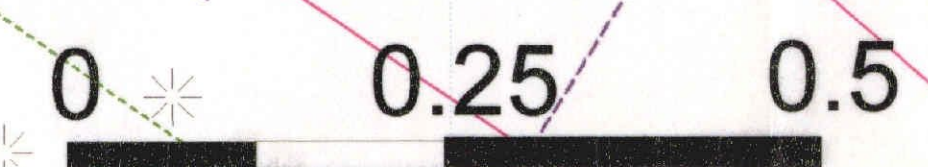
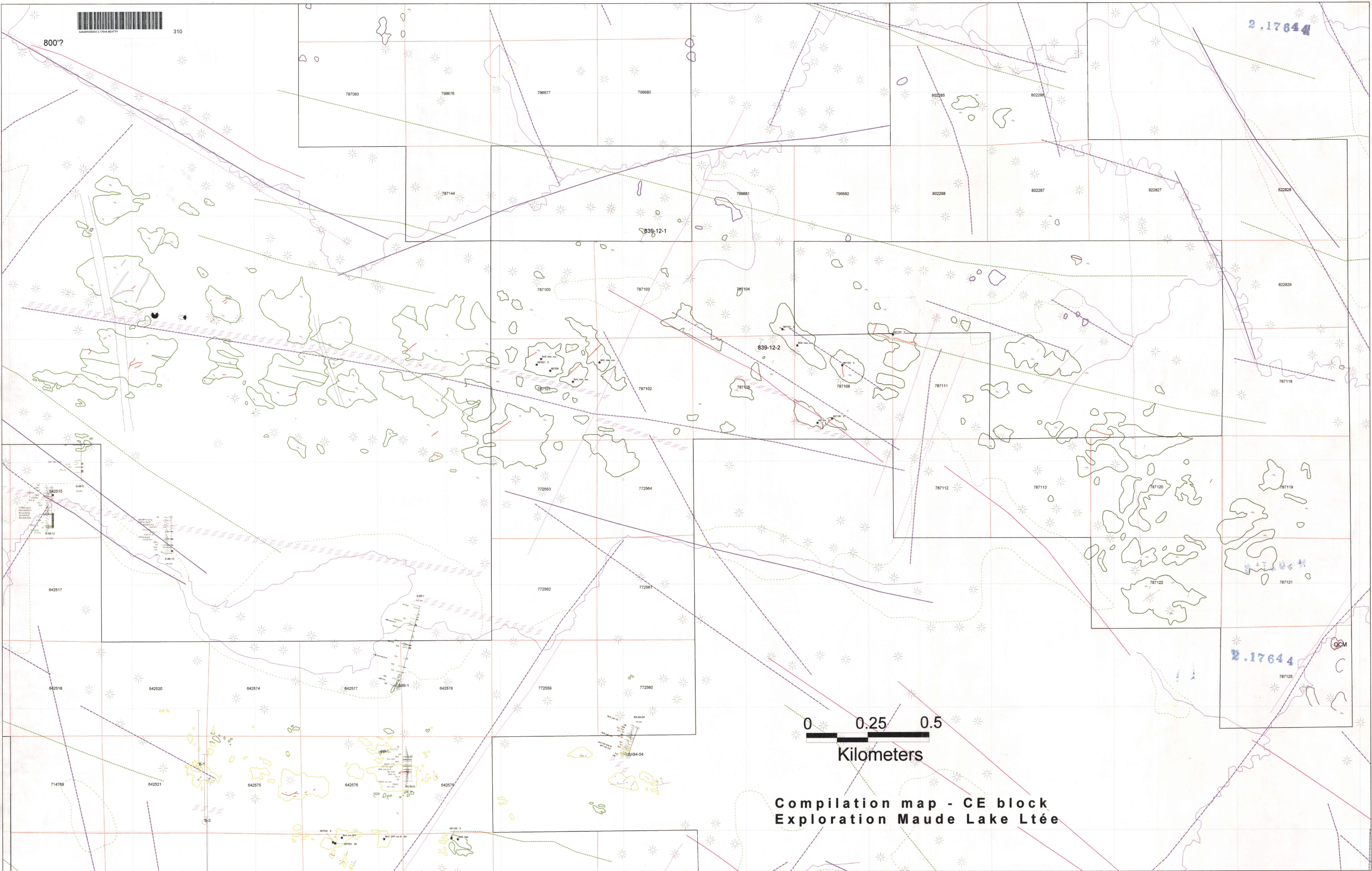




310

800'

2.17644



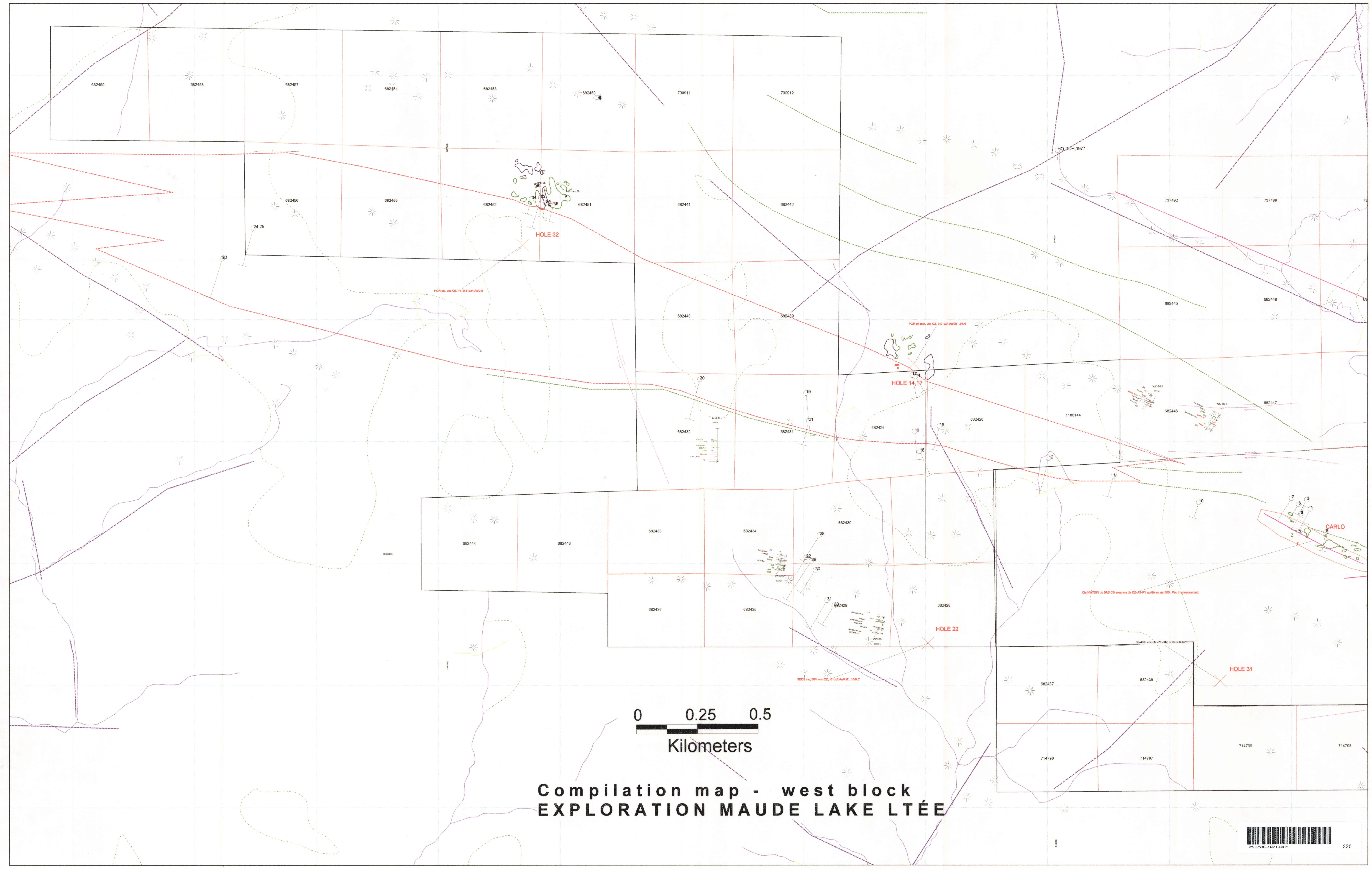
Kilometers

Compilation map - CE block  
Exploration Maude Lake Ltée

2.17644

CE Block













**Compilation map - west block  
EXPLORATION MAUDE LAKE LTÉE**





**RECEIVED**  
 SEP 08 1997  
 10.2004  
 GEOSCIENCE ASSESSMENT  
 OFFICE

2-1764-1

- Felsic tuff 
- Felsic lavas:tuffs 
- Mg basalts 
- Fe basalts 
- Mafic volcanics 
- Ultramafics 
- Turbidites 
- Porphyry 
- Granitoids 
- Gabbro (sills) 
- Diabase 
- Graphitic breccia 

VOL (UM,MAF,FEL) = volcanics  
 KOM = Komatite  
 BAS = Basalt  
 AND = Andesite  
 RHY = Rhyolite  
 DAC = Dacite  
 SEDS = Sediments  
 GRW, GRE, GWK = Greywacke  
 SHA, MST = mudstone  
 INT = Intrusives  
 POR = Porphyry  
 GRA = Granitoid  
 GAB = Gabbro  
 DIA = Diabase

Stratigraphic tops  
 indicated by pillows



Bedding



Schistosity



Shear zone



Mineralization ( mostly veins)



Excavation



Shear (maybe interpreted)



Lineament (probable  
 fractures,faults)



Lineament (probable  
 shear)



Resistivity low  
 (probable fault,contact)



High mag axis



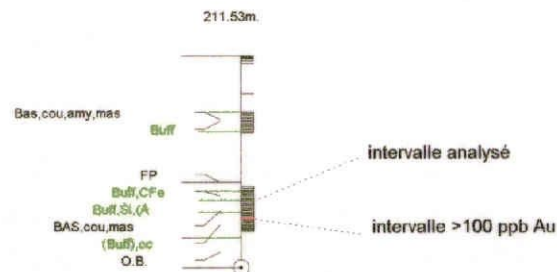
COU = pillowed  
 VAR = Varolitic  
 MAS = Massive  
 BRE, BX = Brecciated  
 LIT = Bedded  
 LAM = Laminated  
 SCH, FOL = Schistosed  
 CIS = Sheared  
 ALT = Altered  
 AMY = Amygdaloidal

Loc, occ = occasionally

v.,vns = vein, veinlets

**Legend**

Inputs



987854: 99 (sample num., Au in ppb)

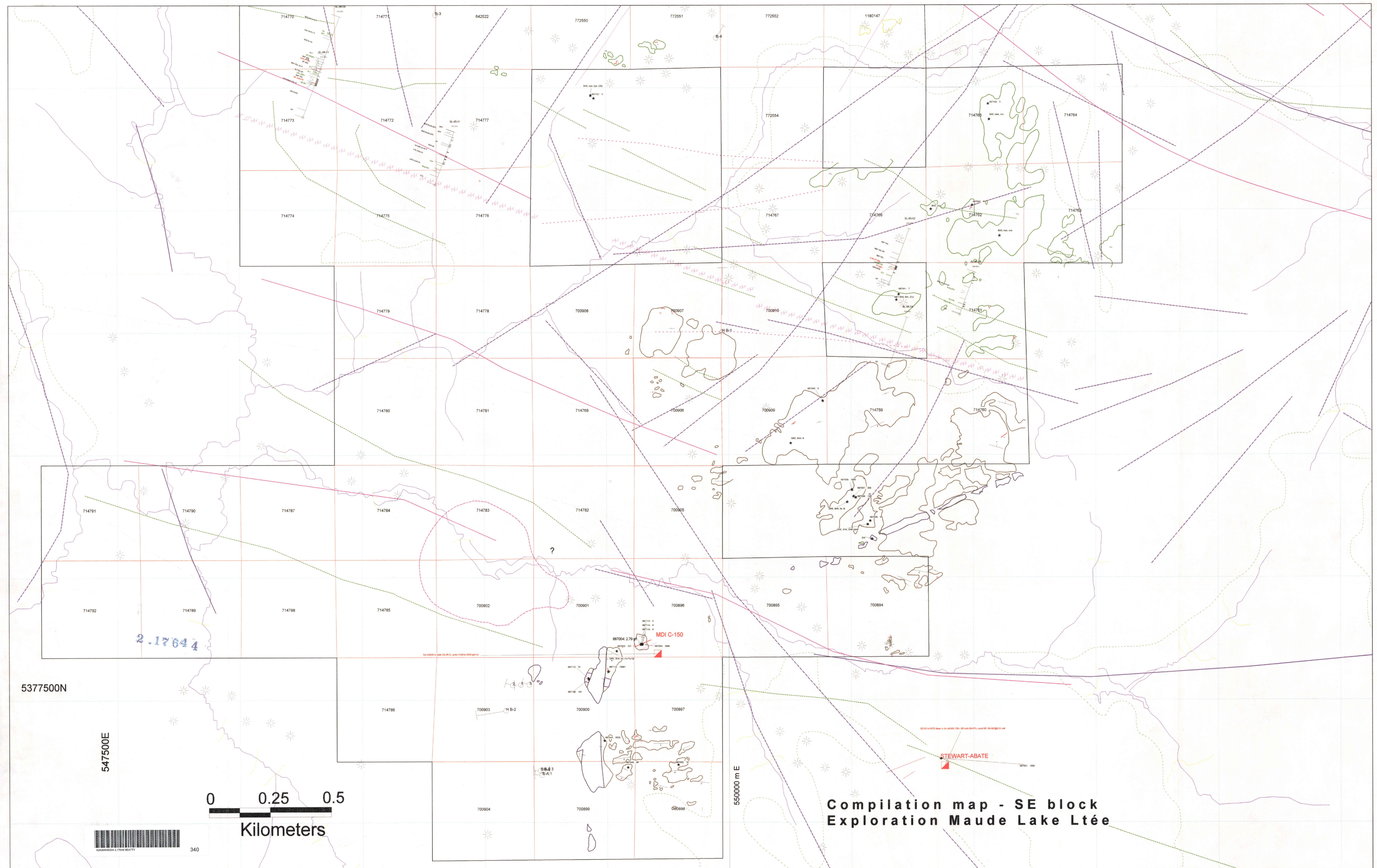


CB, Buff = Carbonatized (Fe+MG)  
 CC = Calcitized  
 SI = Silicified  
 SR = Sericitized  
 HM = Hematized  
 CH, CL = Chloritized  
 FP = Feldspar  
 QZ = Quartz  
 LX = Leucoxene  
 GP = Graphite  
 PY = Pyrite  
 CP = Chalcopyrite  
 PO = Pyrrhotite  
 GA = Galena  
 MT = Magnetite



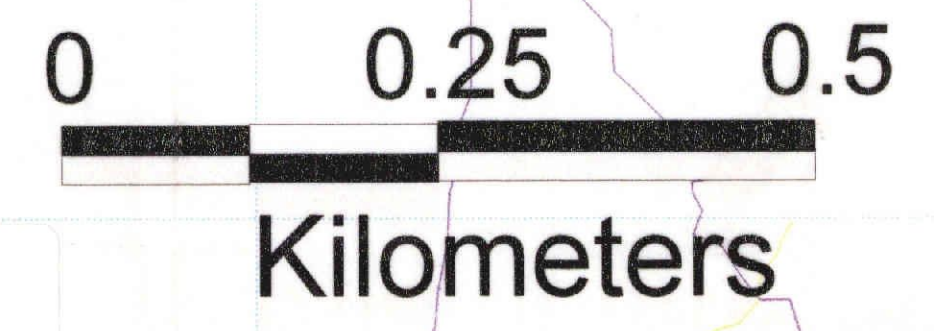
42A09NW0034 2.17644 BEATTY





5377500N

547500E



340

Compilation map - SE block  
Exploration Maude Lake Ltée

SE Block