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ASSESSMENT REPORT
GEOLOGY OF THE SASS LAKE PROPERTY
FIRSTBROOK PROJECT
COBALT, ONTARIO

COLEMAN/BUCKE TOWNSHIP
LARDER LAKE MINING DIVISION
NTS 31M/5

AUGUST 2, 1994

FALCONBRIDGE EXPLORATION
CHELMSFORD OFFICE
1977 McKenzie Rd., R.R.#2
Chelmsford, Ont. POM 1L0

Dual # 2.15112

STEVE KORMOS
SENIOR FIELD GEOLOGIST

SUMMARY

This report describes a grid cutting (48.6km) and geological mapping (1:2000) program performed on a contiguous claim group located in parts of Coleman and Bucke townships. The mapping, which was performed in June and July, 1994, was part of an evaluation of the property for base metal potential.

The majority of the property consists of a bimodal sequence of Archean mafic flows and felsic tuff, along with several interflow sedimentary horizons representing time breaks in volcanism. Mafic intrusive sills, that may be contemporaneous to, or feeders to, the mafic volcanics, also occur. Late Archean lamprophyre dykes intrude the volcanic stratigraphy. Coleman member Huronian sediments (conglomerate) overlie the volcanic rocks along the west and north limits of the property. North trending late Proterozoic diabase dykes intrude the above lithologies.

The mafic volcanics consist of tholeiitic, basaltic to andesitic, pillowed to massive flows. The felsic volcanics appear as a featureless homogeneous massive fine grained tuff of calc-alkaline affinity. No distinct features characterizing this unit as a flow vs a tuff were observed. Interflow sedimentary rocks consist of thin argillite (locally graphitic) and chert units. Two thicker turbidite sequences containing greywacke siltstone, argillite and chert also occur.

Stratigraphy strikes approximately east-west with tight steeply dipping isoclinal folds trending northwest. The volcanic rocks are for the most part un-deformed, but locally have a moderate pervasive schistosity. The interflow sediments are the focus of most of the deformation locally pinching and swelling. North to northwest and northeast topographic lineaments and diabase dykes may mark faults. Possible stratigraphic displacement may be inferred along a lineament along Pretty Lake.

No strong zones of pervasive hydrothermal alteration typical of VMS base metal deposits were observed. However, several zones of weak pervasive silicification with associated sulphide mineralization (pyrite, pyrrhotite) may outline syn-volcanic hydrothermal activity within the mafic volcanics and at interflow horizons. The contact between the felsic and mafic volcanics does not appear to have been a focus for hydrothermal alteration or sulphide mineralization..

Sulphide mineralization resembling a syn-volcanic style occurs as stringers of pyrrhotite and pyrite associated with silicification. Semi-massive pyrite occurring near Pretty Lake may be in part exhalative. Later remobilized sulphide is common throughout the property often with calcite veining.

RECOMMENDATIONS

1) A lithogeochemical study should be done to help define zones of visual alteration and uncover any more subtle zones where hydrothermal activity, which may be associated with base metal mineralization, may have occurred.

2) A DeepEM (with mag) geophysical survey is warranted over the mid and south grids. The north grid is underlain by felsic volcanics with little alteration or mineralization. The results of the geophysics should be incorporated with the mapping (lithology and structure) and lithogeochemistry to delineate areas for diamond drill testing.



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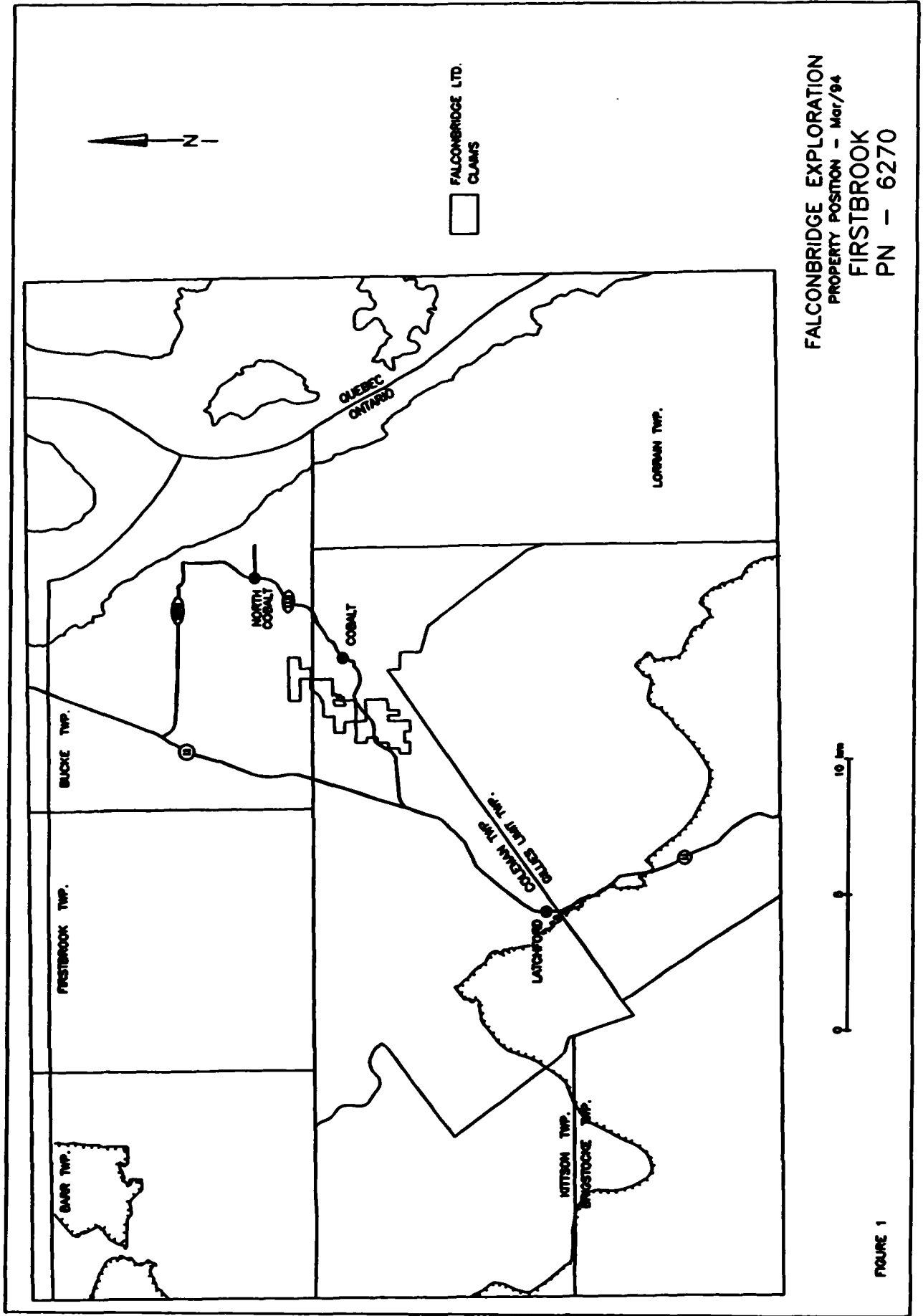
Figure 1 - Location Map

Figure 2 - Property Map

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Table 1 - Geological Column for the Cobalt Region



FALCONBRIDGE EXPLORATION
 PROPERTY POSITION - Mar/84
FIRSTBROOK
 PN - 6270

FIGURE 1

INTRODUCTION

Purpose

The purpose of this report is to outline the work performed (grid cutting, geological survey) by Falconbridge Limited (Exploration), between April and July, 1994 on a claim block (the Sass Lake property) located in Coleman and Bucke townships.

Location, Access

The property is located 2-3 km's (fig 1) west of the town of Cobalt straddling Highway 11B and overlying parts of Sass, Pretty, Green, and Clear Lakes. Access is by Highway 11B, Clear Lake and Bass Lake roads, or non-powered boat on Sass Lake. Several paths and trails also cross the property.

Physiography

The majority of the property has moderate to low relief with gently undulating ridges and valleys to flat muskeg/swamp covered regions. Locally ridges (moraines) are comprised of till. The maximum relief occurs along the northeast and northwest limits where Coleman Member Huronian sediments are exposed. The maximum overall relief on the property is approximately 50 metres.

Bedrock exposure is moderate (approx. 10-20%) over most of the property with the exception of certain drift covered to swampy areas where exposure is less than 5% to non existent.

The vegetation consists mostly of mixed forest (poplar, birch, red, white and jack pine, spruce and maple). Low lying areas are covered by cedar, spruce and tag alders. The higher elevations particularly in the north end of the property are dominated by deciduous forest (birch, maple and poplar).

Property Definition

The Sass Lake property (see fig 2) consists of 29 contiguous claims (35 units). The mining rights to all claims are owned by Falconbridge Limited (Suite 1200, 95 Wellington Street W., Toronto Ont.). The following lists outlines claims over which this program was performed. Work was performed on 28 of the 29 claims.

Coleman Twp.

1179104	1179124	1198574	1135987
1135884	1179123	1135992	1135985
1135887	1118434	1135995	1135989
1186050	1186049	1135997	1135991
1185886	1186051	1135990	1118433
1135885	1186052	1135986	1118432

Bucke Twp

1135988	1118435
1135984	1185553

1994 program

During the month of April three north-south oriented grids were cut. Base lines and tie lines are oriented 090/270° with 100m spaced grid lines picketed every 25m. The linecutting was done by N. McBride Staking and Line cutting of Notre Dame du Nord. Claim lines and claim posts were tied in to the grid and/or topography. Not all claim posts were found in the field and corner locations on claim maps were used on the maps in such cases.

The areas gridded (to be referred to in the following text as the south, mid, and north grids) were geologically mapped at a scale of 1:2000 as part of an integrated base metal exploration program. The mapping was performed in June and July, by Steve Kormos (Senior Field Geologist, Falconbridge Limited), with assistance from Dave Diplock, third year geology summer student.

Summary of Previous Exploration

The following is a summary of previous work from public domain information. It is likely that not all previous work done is included. Several old shafts, pits and treches exist on the property and are presumed to date back to the early 1900's with little documentation available. The majority of work centered on Ag exploration. No past production is recorded. A limited amount of base metal exploration has also been done (Highland Crow, St. Josephs).

<u>Year</u>	<u>Company</u>	<u>Type of Work</u>	<u>Location</u>
1951	Aunite Mining Corporation.	3 shafts, Ag exploration (north shaft on claims)	0.5-1km SE of Green L.

1960	Kenteco Exploration Ltd.	diamond drilling	west end, Clear L.
1963	Equity Explorations	diamond drilling	East end of Clear L.
1965	KOT Property	diamond drilling	west end of Clear Lake
1962	Lucky Creek Mining Co.	diamond drilling	Clear L.
1963	Marcon Mines Ltd.	diamond drilling	West end, Clear L.
1964	Flobelle Mines Ltd.	diamond drilling (2 holes)	Pretty L.
1971- 1974	St. Joseph Exploration	diamond drilling(7 holes)	Pretty L.
1973 -1976	Douglas Burton	diamond drilling, geological mapping	Green L.
1978	St Joseph Exploration	Ground geophysics Mag, Max-Min	Pretty L.
1982	Highland- Crow/ Copperfields	Ground geophysics DeepEM pulse	just west of Sass/Pretty L.
1990- 1991	Gino Chittaroni	Geological Mapping diamond drilling (1 hole)	11b/Bass L. Rd. junction
1992	Falconbridge Limited	Airborne Mag-EM	

GEOLOGY

Regional Geology

(summarized from Smyk and Watkinson, 1989)

The geology of the Cobalt area is comprised of Precambrian rocks of the Superior and Southern structural provinces of the Canadian Shield. Archean volcanic, sedimentary and intrusive rocks may comprise the southernmost extent of the Abitibi greenstone belt. Correlation of the rocks in the Cobalt area with those found in the main Abitibi belt is hindered however by intervening Proterozoic sedimentary cover. Pb dating of the Archean volcanic rocks of the Cobalt area indicates an age of 2.68-2.7 b.y.

Early Proterozoic rocks of the Huronian Supergroup overlie the northeastern portion of the Southern Province and form what has been termed the Cobalt Embayment. This strata is

TABLE 1: Geological Column for the Cobalt Region

EON		TIME AND ROCK UNITS			
P H A N E R O Z O I C	Cenozoic Era	Recent		Soil, lake and stream deposits	
		Pleistocene		Glacial sand, gravel, bedded clay	
	unconformity				
	Paleozoic Era	Middle Silurian		Upper Thornloe Fm.	
				Lower Thornloe Fm.	
		Lower Silurian	Wabl Cp.	Evanturel Creek Fm.	
				Cabot Head Fm. Manitoulin Fm.	
	Middle & Upper Ordovician	Liskeard Cp.	Dawson Point Fm.		
			Farr Fm.		
			Bucke Fm. Guiges Fm.		
unconformity					
P R O T E R O Z O I C	(Keweenawan)	Olivine and quartz diabase dykes			
		— intrusive contact —			
		Nipissing diabase sheets			
	— intrusive contact —				
	(Huronian) Cobalt Group	Lorrain Formation		Arkose, quartzite	
		Gowganda Formation		Mainly bedded argillite	
		Firstbrook Member		Conglomerate, greywacke, quartzite, arkose	
		Coleman Member			
	Kenoran Orogeny, 2490 m.y.				
	A R C H E A N	(Matachewan)	Dykes of diabase, minor lamprophyre		
— intrusive contact —					
(Algoman)		Large salic intrusions, Lorrain Granite, Round Lake Batholith			
— intrusive contact —					
(Halleyburian)		Minor dykes and sills of mafic rocks; lamprophyre, serpentinite			
— intrusive contact —					
(Timiskaming)	Mainly greywacke and conglomerate				
unconformity					
(Keewatin)	Mainly intermediate to mafic flows; some pyroclastic and acid volcanics, minor interflow sediments with chert, sulphides; iron formation; schist.				

(after Russell, 1983 & Jambor, 1971a)
Owsiaki and Lovell, 1984

comprised of the upper part of the Huronian Supergroup, known as the Cobalt Group, which includes the Gowganda, the Lorrain, and the Gordon Lake Formations (Sims et al. 1981). The Gowganda Formation is divided into the Firstbrook and Coleman Members. The Huronian sedimentary and Archean rocks are intruded by Nipissing diabase dykes and sills. Later, middle Proterozoic, diabase and lamprophyre dykes intrude the above mentioned rocks.

Regional fault systems consists of a prominent northwest-striking fault set that parallels the Timiskaming rift valley system (Lovell and Caine 1970), which is the northern extension of the Ottawa-Bonnechere Graben.

Regional mapping by Thomson, 1964 describes the geology of the areas in which this work is a part of.

The prefix "meta" has been omitted in this text, although the rocks of the region and specific areas mapped have been exposed to regional greenschist metamorphism.

Property Geology (see maps in back pouch for geological legend, appendix III for alteration/mineralization modifier legend))

The property is underlain by Archean volcanic/sedimentary and intrusive rocks along with Huronian sedimentary rocks of the Gowganda Formation (Coleman Member). Later Proterozoic diabase dykes intrude the above lithologies.

The southern half (south and Mid grids) of the property consists of mainly subaqueous pillowed to massive mafic volcanic flows of basaltic to andesitic composition. Some more medium grained (locally porphyritic) mafic rocks of similar mineralogy to the above flows may represent coarser grained massive flows or syn-volcanic intrusive rocks and/or feeders to the flows.

Several time breaks are represented by thin interflow sedimentary horizons comprised of chert, argillite and a thicker turbidite sequence.

The northern part of the property (mid and north grid) is predominantly massive to brecciated felsic volcanics (fine tuff) of rhyolitic to rhyodacitic composition. Time breaks are also common, typically containing argillite. The mafic/felsic contacts where visible do not contain a sedimentary horizon.

Both the mafic and felsic volcanic units are locally brecciated to various degrees (in-situ breccia) by what appears to be a later veining event.

The western and northeastern extents of the property are underlain by Huronian sedimentary rocks (Coleman Member) consisting of conglomerate and pebble greywacke.

Mafic Volcanics (map units 2p, 2m, 2pbx)

Pre-dominantly pillowed, with lesser massive flows and flow breccia, these rocks have a dark to locally lighter (bleached) greenish grey fresh and weathered surface. Only rarely are the flows amygdaloidal possibly indicating deep water environment. Occasionally feldspar phenocrysts occur. Pillow morphology is well developed but the majority of exposures do not permit a

confident interpretation of top facing direction. Pillow size is variable ranging from 10cm to greater than 2 metres. Individual flows/volcanic facies mapping was not possible due to exposure but several time breaks marked by interflow sediments separate flow sequences.

Interflow Sedimentary Rocks (map units 5 g,E,F,H)

These units occupy time breaks in both the mafic and felsic volcanics. Several of the argillite and chert units occur as thin poorly exposed horizons (often only found in rock dump from shafts and pits). As exposure is poor the actual thickness of the unit was hard to discern, but they are likely less than 5 metres. Two thicker more turbiditic sequences occur through clear Lake and the middle of Sass Lake. The true thickness is hard to determine as strong folding is apparent, however the units appear to be in excess of 100m thick.

The argillite units which are also present in the turbidite sequences are black to grey and are locally carbonaceous and typically rusty containing variable amounts of pyrite.

The cherty sediments have a cream to black coloured fresh surface with a grey to buff weathered surface. The units contain fine beds to coarse laminations. Locally fragmental units occur with the cherty sediments indicating a possible tuffaceous component.

The turbidite sequences contain bedded to laminated graded greywacke, siltstone, argillite and chert. Soft sedimentary structures are moderately preserved.

Felsic Volcanics (map units 4mau, 4mabx)

With a light grey/buff to white weathered surface and a light grey to green fresh surface, this unit has almost no discernable primary textural features or variations. The unit is predominantly fine grained and massive. No features such as bedding, fragments, flow banding, quartz eyes or variation in grain size are apparent despite good exposure. Only vague indicators and hints of weak layering (bedding) along with the absence of any features characteristic of a flow resulted in the designation of this unit as a fine ash tuff. (petrography would be needed for a more confident classification.)

The majority of this unit is variably brecciated (in-situ) which appears to be associated with a later veining event which was pervasive across both the felsic and mafic volcanic stratigraphy. There may be a primary autobreccia component but this is unlikely if the unit is not classified as a flow.

Mafic Intrusives (map units 7ma,mb)

These massive medium grained to amphibole porphyritic rocks may be syn-volcanic sills or coarser grained flows. The apparent mineralogy and general appearance is similar to the mafic flows. The units appear semi-conformable to stratigraphy but no other features characteristic of flow vs intrusive origin were recognized.

Lamprophyre (map units 7L)

Lamprophyre intrusives, thought to be late Archean (?) intrude the Archean stratigraphy as irregular shallowly dipping dykes. They are characteristically biotitic and calcitic and have a smooth massive surface.

Diabase (map units 10 a, b, l, q)

Dykes of late Proterozoic diabase and quartz diabase trend north to northeast cutting all other units. A distinctive dyke of porphyritic olivine diabase trends northwest.

STRUCTURE/STRATIGRAPHY

The area has been described by previous workers as being strongly folded with steeply plunging northwest trending isoclinal folds (Knight 1924). Evidence of strong folding is apparent in the turbidite sequence which is well exposed along the shore of Sass Lake. Reversal of pillow facing directions was also seen in the south half of the property to define fold axes..

Although variable where minor parasitic folding occurs, bedding is generally oriented approximately east-west and dips 70-90° to the south. An axial planar space cleavage is evident mainly in the sediments. The mafic and felsic volcanics are generally not foliated. In local zones however the mafic flows are moderately foliated with a weak WNW schistosity which may be related to axial planar cleavage or shearing.

A number of north to northwest and northeast topographic lineaments may represent faults. Only on one of these lineaments, which runs parallel to Pretty Lake, is any potential stratigraphic offset recognized (synestral). North to northwest and northeast diabase dykes may also be filling faults.

The argillite interflow sediments appear to be the focus of deformation and can be seen to be well foliated with a slaty to undulating schistosity and local pinching and swelling.

ALTERATION

Attention was paid in the field for syn-volcanic hydrothermal alteration typically associated with VMS style base metal deposits.

No strong pervasive discordant zones of visual hydrothermal alteration, were noted within the Archean stratigraphy on the property. However, weaker pervasive zones of silicification, epidotization, and bleaching with associated pyrite and pyrrhotite mineralization occurring within the mafic flows may mark a more semi-conformable syn-volcanic hydrothermal activity. Other alteration types that occur are later fracture controlled events and include calcite, quartz and an in-situ brecciating black to green stockwork veining. This stockwork ranges in composition from a hard cherty black siliceous, to black argillaceous (locally conductive) to a hard green more chloritic stockwork. Calcite is often associated with the stockwork. This stockwork can be seen crossing stratigraphy brecciating both the mafic and felsic volcanics and is not a syn-volcanic event (it may be related to the Ag mineralizing event).

Patchy/stockwork quartz epidote alteration also occurs in limited local zones within the mafic volcanics. A similar zone occurs within a later diabase dyke indicating this may also not be a syn-volcanic hydrothermal alteration.

Very little alteration occurs in the felsic volcanics with the exception of weak fracture controlled calcite.

MINERALIZATION

Only the mafic flows and interflow sediments contain significant concentrations of sulphide mineralization. The felsic volcanics contain trace to 1% disseminated cubes of pyrite. The felsic/mafic contacts where exposed on the property do not appear to be the focus of hydrothermal alteration or sulphide mineralization.

Sulphide mineralization within the mafic volcanics consists of mainly pyrite and pyrrhotite with trace amounts of chalcopyrite and sphalerite. The sulphides occur as patches, along pillow selvages and at pillow junctions in concentrations of from 1-10%. This style of mineralization may be syn-volcanic as it is filling what is considered primary porosity. Sulphides are also extensively associated with the later brecciating stockwork veining described above, and as thin planar fracture controlled veinlets with calcite.

Within the sedimentary units, sulphide mineralization occurs predominantly within the thinner chert and argillite interflow horizons. The thicker turbidite package contains only trace to 1% disseminated pyrite.

The argillite contains syn-sedimentary concentrations from 1 to 10% nodular to reticular to layered pyrite. The chert units contain very finely disseminated pyrite along with semi-massive mineralization. Semi-massive to massive pyrite occurs in a dump near a shaft near Pretty Lake (mid grid, L2W/300S) with associated chert and interpillow mineralized mafic volcanics. A component of this massive pyrite may be exhalative. Pillowed mafic volcanics on both sides of the chert horizon contain 1-5% pyrite and pyrrhotite stringers with trace amounts of chalcopyrite and sphalerite. Sphalerite typically occurs with planar calcite coated fractures.

Other old shafts with 1-10% pyrite, pyrrhotite and trace amounts of chalcopyrite in the muck piles occur at various locations.

CONCLUSIONS

No strong pervasive hydrothermal alteration zones or significant base metal mineralization was encountered during the mapping. However, less intense anomalous alteration and mineralization (silicification, pyrite, pyrrhotite) zones, along with several chert and argillite horizons marking time breaks do occur on the property. Further work is justified to further delineate areas on the property for base metal potential.

The felsic volcanic package does not appear to be a proximal facies type and the lack of alteration and mineralization indicates it is not a good exploration target. The felsic/mafic contacts do not appear, where exposed, to be favorable sites for sulphide mineralization or hydrothermal activity.

Bibliography

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Symke, M. C. , 1987, Geology of the Interflow Sedimentary Rocks and their relationship to Ag-Bi-Co-Ni-As Veins, Cobalt area, Ont. MSc thesis , Carleton U.

Thomson, R. 1960. Preliminary Report on Parts of Coleman Township and Gillies Limit Townships. Ontario Dept. of Mines.

APPENDIX I
SUMMARY OF EXPENDITURES

SUMMARY OF EXPENDITURES

Grid Cutting
48.6 km @ \$220/km \$10,692.00

**Title Searches/
Letters to Surface Rights
Owners**
2 days @ 250/day \$500.00

Geological Mapping

Senior Field Geologist
45 days @ \$250/day \$11,250.00
(including map generation/
report writing)

Junior Field Assistant
38 days @ \$150/day \$5,700.00

Accommodations

2 months @ \$600 \$1,200.00

Food \$1000.00

Transportation

2 Months @ 600/month \$1,200.00

Gas

6 weeks @ 30/week \$180.00

Total **\$31,722.00**

* Note - The total cost was divided by the number of claim units mapped for a value of work done on each claim.

APPENDIX II
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Steven Eric Kormos, am currently employed by Falconbridge Limited (Exploration) as a Senior Field Geologist and declare that:

1. I have been continuously employed by Falconbridge Limited as a Geologist since May, 1988.
2. I graduated with a B. Sc. (Honours) in Geological Sciences from Queen's University in 1988.
3. I have no financial interest in the property described in this report.
4. I have personally conducted the work described in this report.

DATED August 3, 1994, at Chelmsford, Ontario



Steven E. Kormos

APPENDIX III

ALTERATION/MINERALIZATION MODIFIER LEGEND

ALTERATION/MINERALIZATION MODIFIER LEGEND

Alteration Form

D = Spots

F = Fracture Controlled

P = Pervasive

Alteration Intensity

S = Strong

M = Moderate

W = Weak

Mineralization Form

D = Disseminated

F = Fracture Controlled

M = Massive



Report of Work Conducted After Recording Claim

Mining Act

DOCUMENT NO.

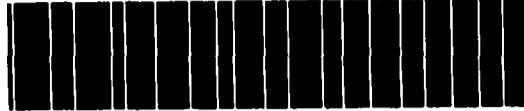
9480 • 00447

Res. to Larder Lake

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about this collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, Sudbury, Ontario, P3E 6A5, telephone (705) 670-7264.

2.15607

- Instructions:**
- Please type or print and submit in duplicate.
 - Refer to the Mining Act and Regulations for requirements.
 - A separate copy of this form must be completed if
 - Technical reports and maps must accompany this
 - A sketch, showing the claims the work is assigned



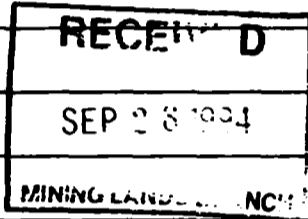
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Recorded Holder(s) FALCONBRIDGE LIMITED		Client No. 130 679
Address SUITE 1200, 95 WELLINGTON STREET W. TORONTO		Telephone No. 416-956-5700
Mining Division LARDER LAKE	Township/Area COLEMAN + BUCKE TWPS	M or G Plan No. G-3418 / G-3413
Date Work Performed	From: APRIL 1994	To: JULY 1994

Work Performed (Check One Work Group Only)

Work Group	Type
<input checked="" type="checkbox"/> Geotechnical Survey	GRID CUTTING, GEOLOGICAL MAPPING.
<input type="checkbox"/> Physical Work, including Drilling	
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	



Total Assessment Work Claimed on the Attached Statement of Costs \$ **32,022**

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
STEVE KORMOS - REPORT	FALCONBRIDGE LIMITED (EXPLORATION) (SEE ADDRESS BELOW)
NORM McBAIDE - GRID CUTTING	BOX 112, NOTRE DAME DU NORD, QUEBEC JOZ 8B0

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	Date Aug 3/94	Recorded Holder or Agent (Signature) <i>Steve Kormos</i>
--	-------------------------	---

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.		
Name and Address of Person Certifying STEVE KORMOS GENERAL DELIVERY, 1977 MCKENZIE Rd. R.R.#2 CHELMSFORD, ONT.		
Telephone No. 705-855-0311	Date Aug 3/94	Certified By (Signature) <i>Steve Kormos</i>

For Office Use Only

Total Value Cr. Recorded Applied \$26000	Date Recorded Sept 7/94	Mining Recorder <i>ACING</i>	RECEIVED LARDER LAKE MINING DIVISION SEP 7 1994
Reserve \$6022	Deemed Approval Date Dec 6/94	Date Approved <i>[Signature]</i>	
Date Notice for Amendments Sent			

Work Report Number for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
	1135990 ✓	1
	1135986 ✓	1
	1135987 ✓	1
	1135985 ✓	1
	1135989 ✓	1
	1135991 ✓	1
	118433 ✓	2
	118432 ✓	1
	1135988 ✓	1
	1135984 ✓	1
	1135998 ✓	1
	BURKE TRSP	
	118435 ✓	1
	1185553 ✓	4
Total Number of Claims	29	

2.150

Value of Assessment Work Done on this Claim	Value Applied to this Claim
940	800
940	800
940	800
940	800
940	800
940	800
940	800
1880	1600
940	800
940	800
971	800
940	800
971	800
940	800
Total Value Work Done	26,000

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
0	140
0	140
0	140
0	140
0	140
0	140
0	140
0	280
0	140
0	140
0	171
0	140
Total Assigned From	6,022

Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which claims you wish to prioritize the deletion of credits. Please mark (✓) one of the following:

- Credits are to be cut back starting with the claim listed last, working backwards.
- Credits are to be cut back equally over all claims contained in this report of work.
- Credits are to be cut back as prioritized on the attached appendix.

In the event that you have not specified your choice of priority, option one will be implemented.

Note 1: Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.

Note 2: If work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.	Signature	Date
---	-----------	------



Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des mines

**Statement of Costs
for Assessment Credit**

**État des coûts aux fins
du crédit d'évaluation**

Mining Act/Loi sur les mines

Transaction No./N^o de transaction
00601/LETT NO.
W/ 9480 • 00447

2.15607

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute question sur la collecte de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4^e étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	17,450	
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type GRID CUTTING	10,692	
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
Total Direct Costs Total des coûts directs		28,142	

2. Indirect Costs/Coûts indirects

Note: When claiming Rehabilitation work indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type TRUCK RENTAL	1,200	
	GAS	180	
Food and Lodging Nourriture et hébergement	FIELD HOUSE RENTAL+FOOD	25.00	
Mobilization and Demobilization Mobilisation et démobilisation			
Sub Total of Indirect Costs Total partiel des coûts indirects			3880
Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)			
Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs)			32,022

Note: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted.

Note: Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

Filing Discounts

1. Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit	Total Assessment Claimed
	x 0.50 =

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

Valeur totale du crédit d'évaluation	Evaluation totale demandée
	x 0,50 =

Certification Verifying Statement of Costs

I hereby certify:
that the amounts shown are as accurate as possible and these costs were incurred while conducting assessment work on the lands shown on the accompanying Report of Work form.

that as STEVE KORMOS Sr. FIELD GEOSIT am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

Attestation de l'état des coûts

J'atteste par la présente :
que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de _____ je suis autorisé
(titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature Steve Kormos Date AUG 31/94



Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

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

Telephone: (705) 670-5853
Fax: (705) 670-5863

Our File: 2.15607
Transaction #: W9480.00447

November 7, 1994

Mining Recorder
Ministry of Northern Development
and Mines
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Mr. Spooner:

**RE: APPROVAL OF ASSESSMENT WORK ON MINING CLAIMS 1179104 ET. AL. IN
COLEMAN AND BUCKE TOWNSHIPS.**

The assessment credits for Linecutting and Geology, section 12 of the Mining Act Regulations, as listed on the original Report of Work, have been approved as of November 7, 1994.

Please indicate this approval on the claim record sheets.

If you have any questions concerning this correspondence please contact Bruce Gates at (705) 670-5856.

ORIGINAL SIGNED BY:

Ron C. Gashinski
Senior Manager, Mining Lands Section
Mining and Land Management Branch
Mines and Minerals Division

BIG
BIG/jl
Enclosures:

cc: Assessment Files Office
Sudbury, Ontario

Resident Geologist
Kirkland Lake, Ontario

RECEIVED
SEP 28 1994
MINING LANDS BRANCH

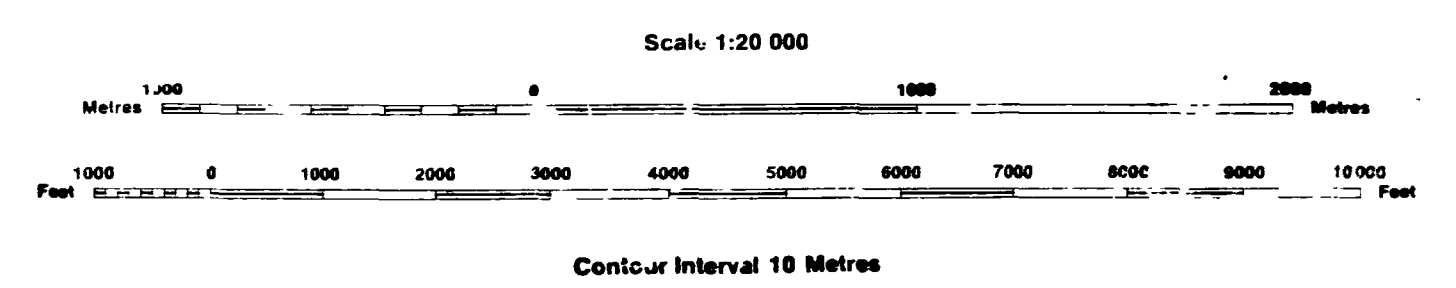
INDEX TO LAND DISPOSITION

G 3413

BUCKE

GEOLOGY PREFERENCE COBALT RESIDENT GEOLOGIST

M.N.R. ADMINISTRATIVE DISTRICT MINING LANDS BRANCH
TEMAGAMI
MINING DIVISION
LARDER LAKE
LAND TITLES/REGISTRY DIVISION
TIMISKAMING 2.15607



AREAS WITHDRAWN FROM DISPOSITION
MRO - Mining Rights Only
SRO - Surface Rights Only
M - S - Mining and Surface Rights

SYMBOLS

- Township, Meridian, Baseline
- Word allowance, surveyed
- shoreline
- Concession, surveyed
- unsurveyed
- Right-of-way, road
- railway
- Utility
- Reservation
- Oil, Pile
- Contour
- Approximate
- Depression
- Control point (horizontal)
- Flooded land
- Mass head frame
- Pipeline (above ground)
- Railway: single track
- double track
- abandoned
- Road, highway, county, township
- access
- trail, bush
- Shoreline (original)
- Transmission line
- Wooded area

DATE OF ISSUE
SEP 7 1994
LARDER LAKE
MINING RECORDS OFFICE

DISPOSITION OF CROWN LANDS

- Patent
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only
- Lease
- Surface & Mining Rights
- Surface Rights Only
- Mining Rights Only
- License of Occupation
- Order-in-Council
- Cancelled
- Reservation
- Sand & Gravel

NOTES

FLOODING... ELEVATION 95' ABOVE 5' LEVEL IN LAKE
TIMISKAMING (FILE 1289)

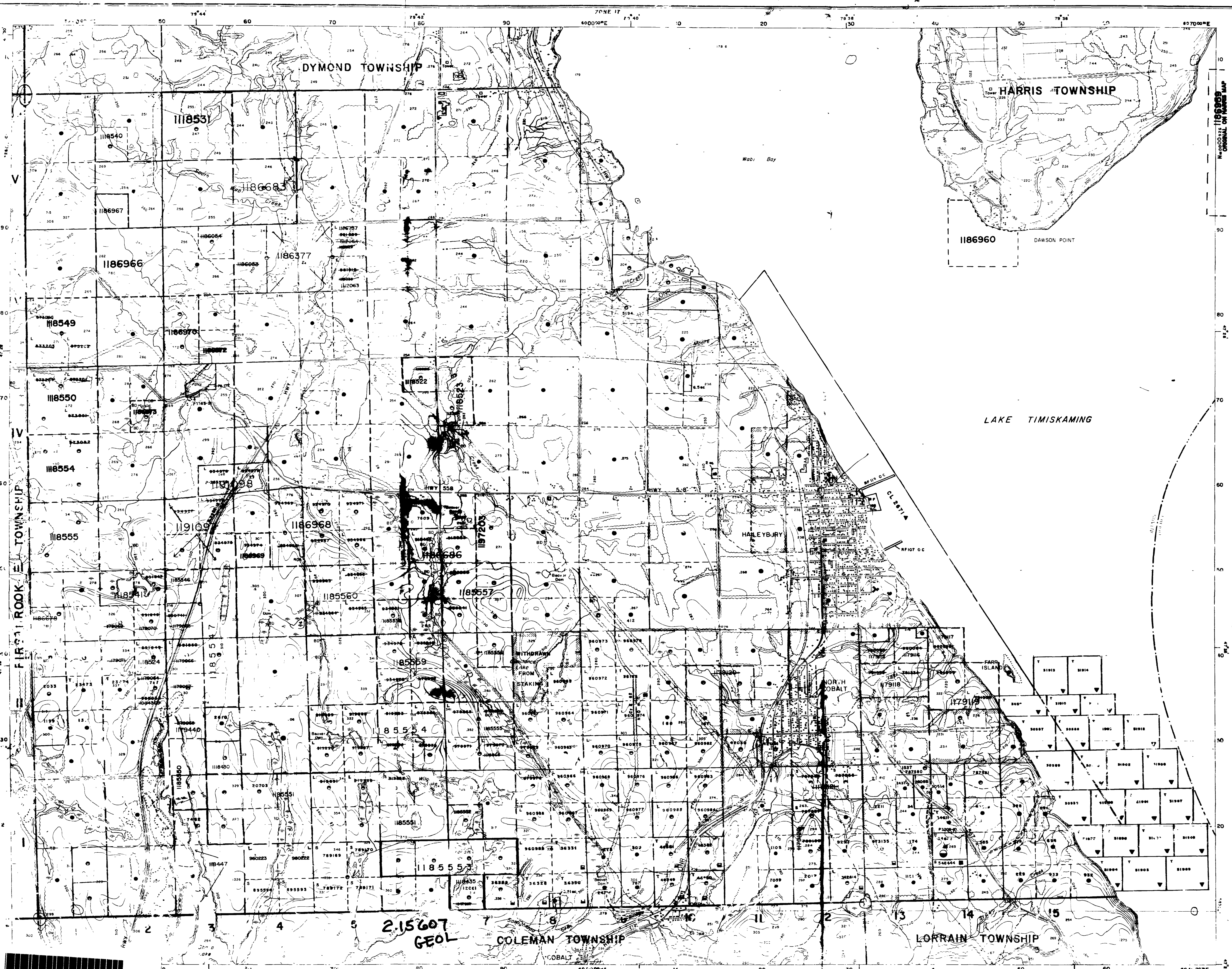
NORTH HAL' LOT 8 CON 2 SUBJECT TO SANITARY CONTROL OF
CORNBURY LAKE FOR TOWN OF HALEYBURY.

STATUS OF MINING CLAIMS WITHIN TOWNSHIP SHOWN
ONLY WITH CONSENT OF THE MINISTER.

Surface Rights Withdrawn under Sec. 36,
The Mining Act R.S.O. 1980, ORDER NO. W-01/80/NT
(Trace Canada Pleasure Right of Way and Buffer
Zone necessary 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 CON-
SULT WITH THE MINING
RECORDS, MINISTRY OF
NORTHERN DEVELOP-
MENT AND MINES, FOR AD-
DITIONAL INFORMATION
ON THE STATUS OF THE
LANDS SHOWN HEREON.

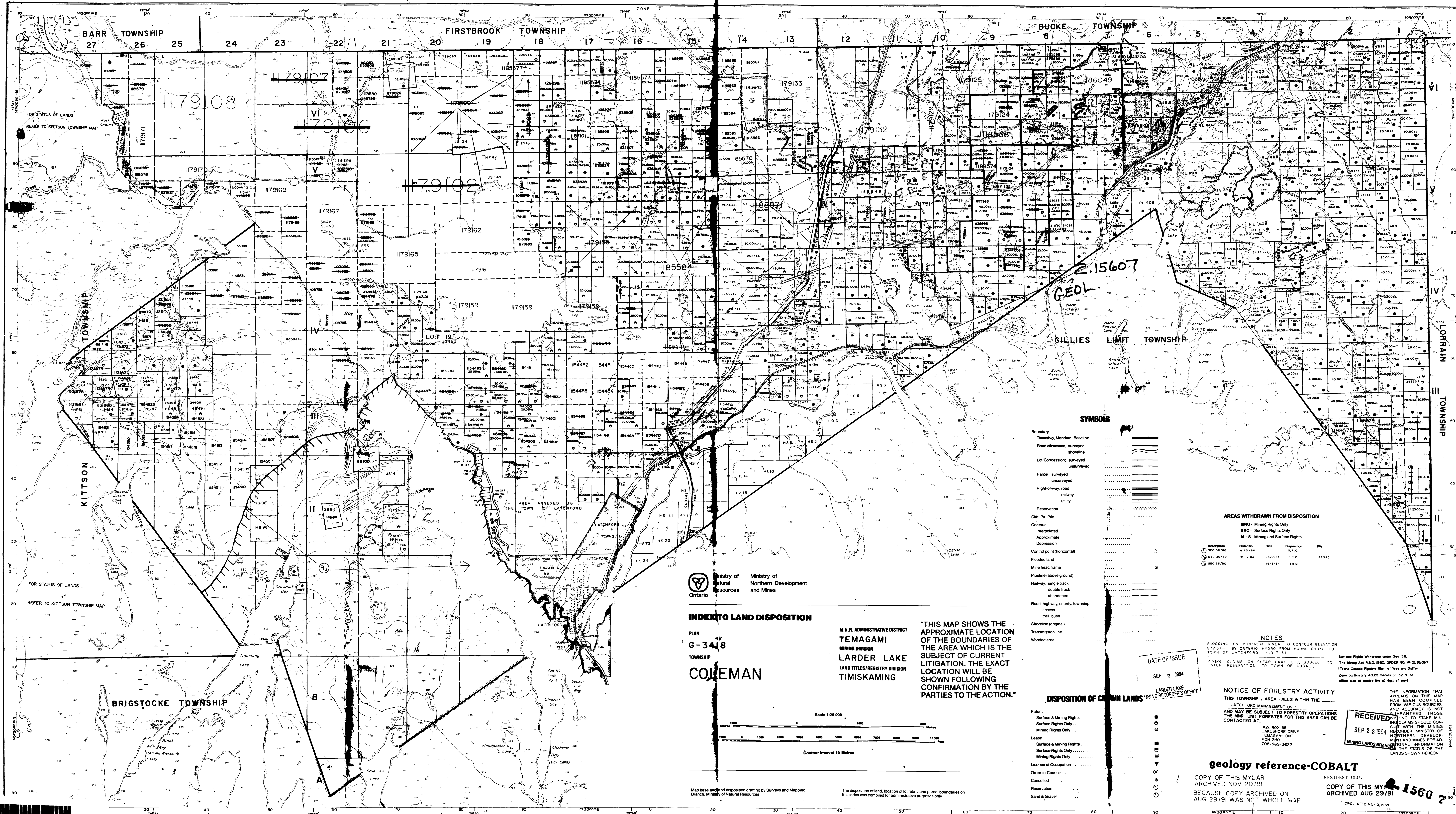
CIRCULATED APRIL 27/86



G-3413

BUCKE IMP.

G-341



- SYMBOLS**
- Boundary
 - Township, Meridian, Baseline
 - Road allowance, surveyed
 - shoreline
 - Lot/Concession, surveyed
 - unsurveyed
 - Parcel, surveyed
 - unsurveyed
 - Right-of-way, road
 - railway
 - utility
 - Reservation
 - Cut, Pt. File
 - Contour
 - Interpolated
 - Approximate
 - Depression
 - Control point (horizontal)
 - Flooded land
 - Mine head frame
 - Pipeline (above ground)
 - Railway, single track
 - double track
 - abandoned
 - Road, highway, county, township
 - access
 - trail, bush
 - Shoreline (original)
 - Transmission line
 - Wooded area

AREAS WITHDRAWN FROM DISPOSITION

MRO - Mining Rights Only
 SRO - Surface Rights Only
 M - S - Mining and Surface Rights

Description	Order No.	Date	Disposition	File
SEC 36/80	W. 1/84	S.R.O.		
SEC 36/80	W. 1/84	23/7/84	S.R.O.	85540
SEC 36/80		16/5/84	S.W.	

NOTES

FLOODING ON MONTREUX RIVER TO CONTOUR ELEVATION 277.37m BY ONTARIO HYDRO FROM HOUNG CHUTE TO TEAR OF LATCHFORD (L.O. 7151)

MINING CLAIMS ON CLEAR LAKE ETC. SUBJECT TO "WATER RESERVATION" TO TOWN OF COBALT.

Surface Rights Withdrawn under Sec 36, The Mining Act R.S.O. 1980, ORDER NO. W-019/80 (Trans Canada Pipeline Right of Way and Buffer Zone particularly 402.5 meters or 132 ft on either side of centre line of right of way)

NOTICE OF FORESTRY ACTIVITY

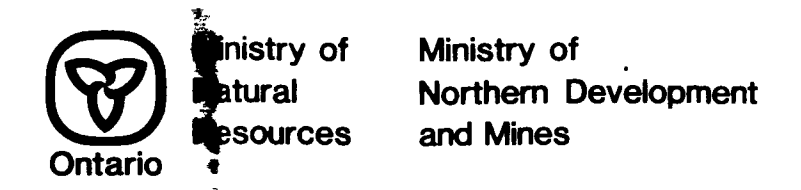
THIS TOWNSHIP / AREA FALLS WITHIN THE LATCHFORD MANAGEMENT UNIT AND MAY BE SUBJECT TO FORESTRY OPERATIONS. THE MNR UNIT FORESTER FOR THIS AREA CAN BE CONTACTED AT:

P.O. BOX 38
 LAKESHORE DRIVE
 TEMAGAMI, ONT.
 P0N 2H0
 705-569-3622

geology reference-COBALT

COPY OF THIS MYLAR ARCHIVED NOV 20/91
 BECAUSE COPY ARCHIVED ON AUG 29/91 WAS NOT WHOLE MAP

RESIDENT REG.
 COPY OF THIS MYLAR ARCHIVED AUG 29/91
 CIPC/L.E.D. NO. 3, 1989

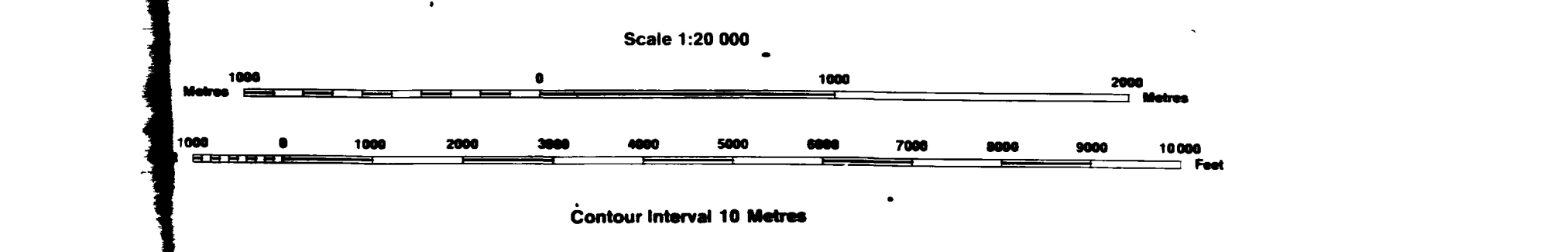


INDEX TO LAND DISPOSITION

PLAN
 G-348
 TOWNSHIP
 COLEMAN

M.N.R. ADMINISTRATIVE DISTRICT
 TEMAGAMI
 MINING DIVISION
 LARDER LAKE
 LAND TITLES/REGISTRY DIVISION
 TIMISKAMING

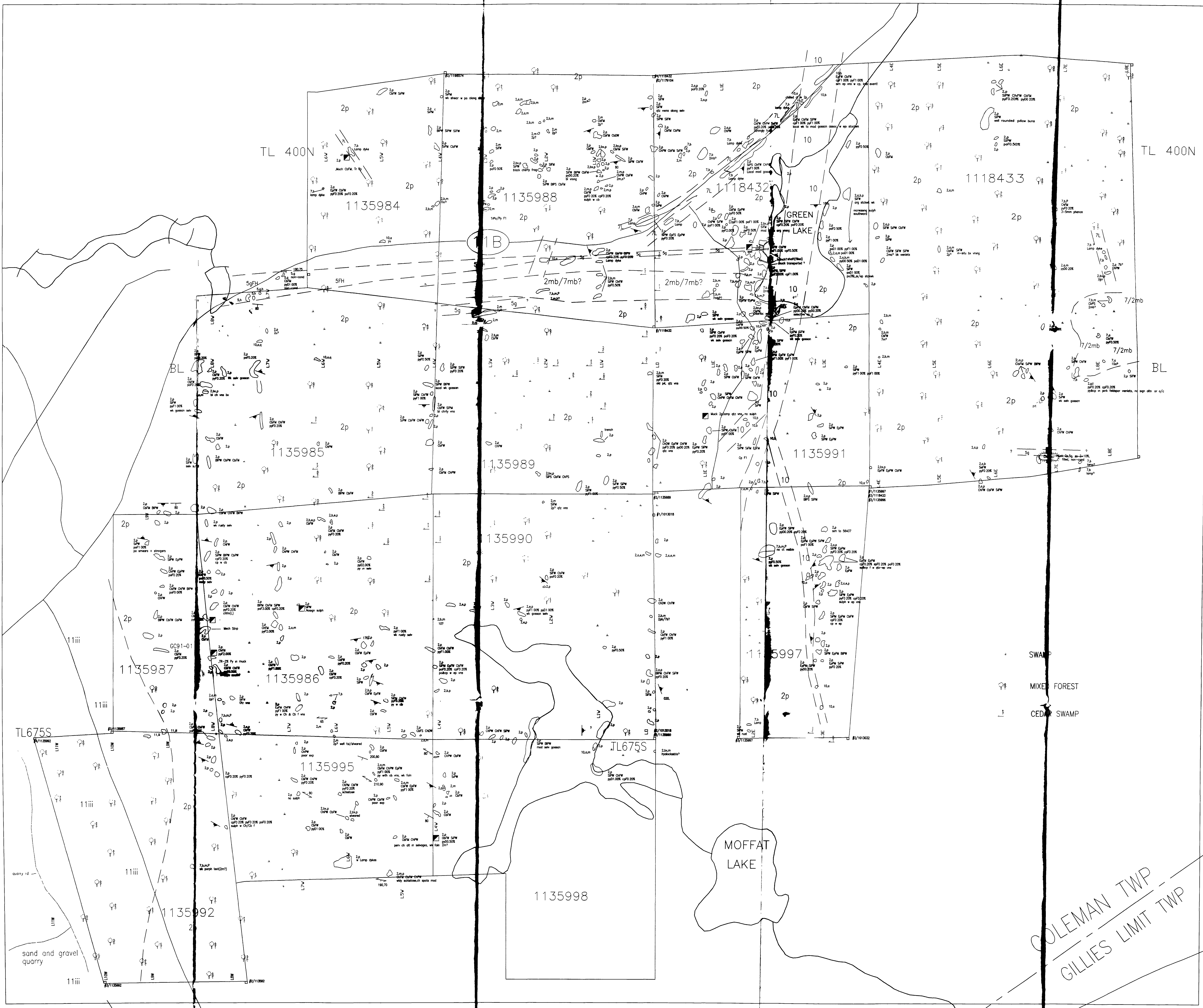
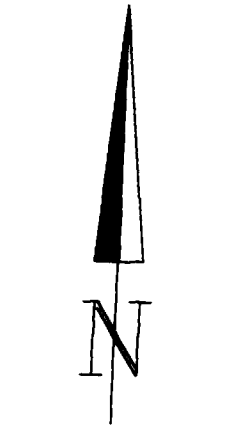
"THIS MAP SHOWS THE APPROXIMATE LOCATION OF THE BOUNDARIES OF THE AREA WHICH IS THE SUBJECT OF CURRENT LITIGATION, THE EXACT LOCATION WILL BE SHOWN FOLLOWING CONFIRMATION BY THE PARTIES TO THE ACTION."



Map base and land disposition drafting by Surveys and Mapping Branch, Ministry of Natural Resources
 The disposition of land, location of lot fabric and parcel boundaries on this index was compiled for administrative purposes only

RECEIVED
 SEP 2 8 1994
 MINING LANDS BRANCH

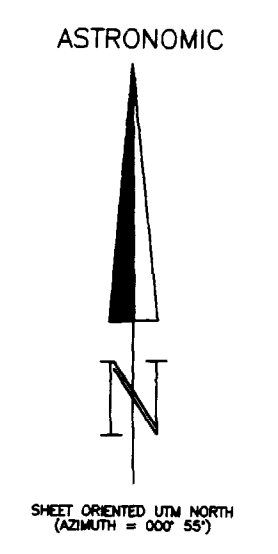
1560



LEGEND		
Code	Prismcolor	MAJOR ROCK DIVISIONS
12	832	MUSKOGEE DIAMITE
11		HURONIAN SUPER GROUP
10	841	DIAMITE
9	839	FELSIC METAVOLCANIC ROCKS
8	838	INTERMEDIATE METAVOLCANIC ROCKS
7	837	MAFIC METAVOLCANIC ROCKS
6	836	ULTRAMAFIC METAVOLCANIC ROCKS
5	844	SEDIMENTARY ROCKS
4	835	Chert Thin Formation
3	834	Wabeno Supergroup
2	833	MAFIC VOLCANIC ROCKS
1	834	ULTRAMAFIC VOLCANIC ROCKS

Code	Prismcolor	HURONIAN MODIFIERS
1	843	COBALL GROUP
2	845	COBALL FORMATION
3	847	COBALL MEMBER
4	834	GREEN LAKE GROUP
5	839	SERPENT FORMATION
6	847	ESPANOLA FORMATION
7	836	BRUCE FORMATION
8	835	ISLAND LAKE GROUP
9	835	MESSENAS FORMATION
10	835	PECCOS FORMATION
11	835	RANDY LAKE FORMATION
12	835	ELLEN LAKE GROUP
13	835	MOORE FORMATION
14	835	MATHENIA FORMATION

TEXTURAL/GEOCHEMICAL MODIFIERS	
1	Thin Grained
2	Medium Grained
3	Coarse Grained
4	Crystalline
5	Crystalline, fine-grained
6	Crystalline, medium-grained
7	Crystalline, coarse-grained
8	Crystalline, very coarse-grained
9	Crystalline, massive
10	Crystalline, blocky
11	Crystalline, platy
12	Crystalline, columnar
13	Crystalline, radiating
14	Crystalline, fibrous
15	Crystalline, lenticular
16	Crystalline, conchoidal
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357	Crystalline, lenticular
358	Crystalline, conchoidal
359	Crystalline, irregular
360	Crystalline, angular
361	Crystalline, sub-angular
362	Crystalline, sub-rounded
363	Crystalline, rounded
364	Crystalline, well-sorted
365	Crystalline, poorly-sorted
366	Crystalline, unsorted
367	Crystalline, indurated
368	Crystalline, friable
369	Crystalline, massive
370	Crystalline, blocky
371	Crystalline, platy
372	Crystalline, columnar
373	Crystalline, radiating
374	Crystalline, fibrous
375	Crystalline, lenticular
376	Crystalline, conchoidal
377	Crystalline, irregular
378	Crystalline, angular
379	Crystalline, sub-angular
380	Crystalline, sub-rounded
381	Crystalline, rounded
382	Crystalline, well-sorted
383	Crystalline, poorly-sorted
384	Crystalline, unsorted
385	Crystalline, indurated
386	Crystalline, friable
387	Crystalline, massive
388	Crystalline, blocky
389	Crystalline, platy
390	Crystalline, columnar
391	Crystalline, radiating
392	Crystalline, fibrous
393	Crystalline, lenticular
394	Crystalline, conchoidal
395	Crystalline, irregular
396	Crystalline, angular
397	Crystalline, sub-angular
398	Crystalline, sub-rounded
399	Crystalline, rounded
400	Crystalline, well-sorted
401	Crystalline, poorly-sorted
402	Crystalline, unsorted
403	Crystalline, indurated
404	Crystalline, friable
405	Crystalline, massive
406	Crystalline, blocky
407	Crystalline, platy
408	Crystalline, columnar
409	Crystalline, radiating
410	Crystalline, fibrous
411	Crystalline, lenticular
412	Crystalline, conchoidal
413	Crystalline, irregular
414	Crystalline, angular
415	Crystalline, sub-angular
416	Crystalline, sub-rounded
417	Crystalline, rounded
418	Crystalline, well-sorted
419	Crystalline, poorly-sorted
420	Crystalline, unsorted
421	Crystalline, indurated
422	Crystalline, friable
423	Crystalline, massive
424	Crystalline, blocky
425	Crystalline, platy
426	Crystalline, columnar
427	Crystalline, radiating
428	Crystalline, fibrous
429	Crystalline, lenticular
430	Crystalline, conchoidal
431	Crystalline, irregular
432	Crystalline, angular
433	Crystalline, sub-angular
434	Crystalline, sub-rounded
435	Crystalline, rounded
436	Crystalline, well-sorted
437	Crystalline, poorly-sorted
438	Crystalline, unsorted
439	Crystalline, indurated
440	Crystalline, friable
441	Crystalline, massive
442	Crystalline, blocky
443	Crystalline, platy
444	Crystalline, columnar
445	Crystalline, radiating
446	Cryst



Code	Predecessor	MAJOR ROCK DIVISIONS
12	932	MORBIC DIBASE
11		HURONIAN SUPER GROUP
10	941	DIBASE
9	939	FELSIC INTRUSIVE ROCKS
8	938	INTERMEDIATE INTRUSIVE ROCKS
7	903	MAFIC INTRUSIVE ROCKS
6	902	ULTRAMAFIC INTRUSIVE ROCKS
5	904	SECONDIARY ROCKS
4	935	Dike Intr. Formation
3	924	Massive Sulfides
2	913	FELSIC VOLCANIC ROCKS
1	909	MAFIC VOLCANIC ROCKS
0	906	ULTRAMAFIC VOLCANIC ROCKS

Code	Predecessor	HURONIAN MODIFIERS
1	943	COBALT GROUP
2	945	LOREAN FORMATION
3	946	Frederic Member
4	947	Cassino Member
5	934	SHIBBE LAKE GROUP
6	934	SEBENT FORMATION
7	919	ESTERDALE FORMATION
8	967	BRUCE FORMATION
9	938	10000 LAKES GROUP
10	938	MISSISSIPPI FORMATION
11	938	PEDEGS FORMATION
12	938	MANLEY LAKE FORMATION
13		SHIBBE LAKE GROUP
14		MISSISSIPPI FORMATION
15		WINDY LAKE FORMATION

Code	Predecessor	TEXTURAL/GEOCHEMICAL MODIFIERS
1		Basaltic (C100)
2		Basaltic (C100)
3		Basaltic (C100)
4		Basaltic (C100)
5		Basaltic (C100)
6		Basaltic (C100)
7		Basaltic (C100)
8		Basaltic (C100)
9		Basaltic (C100)
10		Basaltic (C100)
11		Basaltic (C100)
12		Basaltic (C100)
13		Basaltic (C100)
14		Basaltic (C100)
15		Basaltic (C100)
16		Basaltic (C100)
17		Basaltic (C100)
18		Basaltic (C100)
19		Basaltic (C100)
20		Basaltic (C100)
21		Basaltic (C100)
22		Basaltic (C100)
23		Basaltic (C100)
24		Basaltic (C100)
25		Basaltic (C100)
26		Basaltic (C100)
27		Basaltic (C100)
28		Basaltic (C100)
29		Basaltic (C100)
30		Basaltic (C100)
31		Basaltic (C100)
32		Basaltic (C100)
33		Basaltic (C100)
34		Basaltic (C100)
35		Basaltic (C100)
36		Basaltic (C100)
37		Basaltic (C100)
38		Basaltic (C100)
39		Basaltic (C100)
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41		Basaltic (C100)
42		Basaltic (C100)
43		Basaltic (C100)
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49		Basaltic (C100)
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51		Basaltic (C100)
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95		Basaltic (C100)
96		Basaltic (C100)
97		Basaltic (C100)
98		Basaltic (C100)
99		Basaltic (C100)
100		Basaltic (C100)

Code	Predecessor	ALTERATION MODIFIERS
1		Chlorite
2		Chlorite
3		Chlorite
4		Chlorite
5		Chlorite
6		Chlorite
7		Chlorite
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9		Chlorite
10		Chlorite
11		Chlorite
12		Chlorite
13		Chlorite
14		Chlorite
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95		Chlorite
96		Chlorite
97		Chlorite
98		Chlorite
99		Chlorite
100		Chlorite

Code	Predecessor	MINERAL OCCURRENCES
1		Asbestiform
2		Asbestiform
3		Asbestiform
4		Asbestiform
5		Asbestiform
6		Asbestiform
7		Asbestiform
8		Asbestiform
9		Asbestiform
10		Asbestiform
11		Asbestiform
12		Asbestiform
13		Asbestiform
14		Asbestiform
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96		Asbestiform
97		Asbestiform
98		Asbestiform
99		Asbestiform
100		Asbestiform

Code	Predecessor	PHYSICAL WORK
1		Asbestiform
2		Asbestiform
3		Asbestiform
4		Asbestiform
5		Asbestiform
6		Asbestiform
7		Asbestiform
8		Asbestiform
9		Asbestiform
10		Asbestiform
11		Asbestiform
12		Asbestiform
13		Asbestiform
14		Asbestiform
15		Asbestiform
16		Asbestiform
17		Asbestiform
18		Asbestiform
19		Asbestiform
20		Asbestiform
21		Asbestiform
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93		Asbestiform
94		Asbestiform
95		Asbestiform
96		Asbestiform
97		Asbestiform
98		Asbestiform
99		Asbestiform
100		Asbestiform

Code	Predecessor	CONTACTS
1		Asbestiform
2		Asbestiform
3		Asbestiform
4		Asbestiform
5		Asbestiform
6		Asbestiform
7		Asbestiform
8		Asbestiform
9		Asbestiform
10		Asbestiform
11		Asbestiform
12		Asbestiform
13		Asbestiform
14		Asbestiform
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16		Asbestiform
17		Asbestiform
18		Asbestiform
19		Asbestiform
20		Asbestiform
21		Asbestiform
22		Asbestiform
23		Asbestiform
24		Asbestiform
25		Asbestiform
26		Asbestiform
27		Asbestiform
28		Asbestiform
29		Asbestiform
30		Asbestiform
31		Asbestiform
32		Asbestiform
33		Asbestiform
34		Asbestiform



Code	Parameter	MAJOR ROCK DIVISIONS
12		NEPENDING DATABASE
11		HURONIAN SUPER GROUP
10		DATABASE
9		FELSIC INTRUSIVE ROCKS
8		INTERMEDIATE INTRUSIVE ROCKS
7		MAFIC INTRUSIVE ROCKS
6		ULTRAMAFIC INTRUSIVE ROCKS
5		SEDIMENTARY ROCKS
4		Quartzite Formation
3		Messina Supelite
2		FELSIC VOLCANIC ROCKS
1		INTERMEDIATE VOLCANIC ROCKS
0		MAFIC VOLCANIC ROCKS
-1		ULTRAMAFIC VOLCANIC ROCKS

Code	Parameter	HURONIAN MEMBER
I		COBALT GROUP
II		LONGSIGHT FORMATION
III		Fivefork Member
IV		Coleman Member
V		QUINSE LAKE GROUP
VI		SERRANT FORMATION
VII		ESPADA FORMATION
VIII		BRUCE FORMATION
IX		EDGE LAKE GROUP
X		MESSEDA FORMATION
XI		PECONS FORMATION
XII		EMERY LAKE FORMATION
XIII		ELLET LAKE GROUP
XIV		WOLFE FORMATION
XV		WATKINDA FORMATION

TEXTURAL/GEOCHEMICAL MODIFIERS

- 1 Fine Grained
- 2 Medium Grained
- 3 Coarse Grained
- 4 Porphyritic
- 5 Crystalline
- 6 Crystalline/Amorphous
- 7 Crystalline/Amorphous
- 8 Crystalline/Amorphous
- 9 Crystalline/Amorphous
- 10 Crystalline/Amorphous
- 11 Crystalline/Amorphous
- 12 Crystalline/Amorphous
- 13 Crystalline/Amorphous
- 14 Crystalline/Amorphous
- 15 Crystalline/Amorphous
- 16 Crystalline/Amorphous
- 17 Crystalline/Amorphous
- 18 Crystalline/Amorphous
- 19 Crystalline/Amorphous
- 20 Crystalline/Amorphous
- 21 Crystalline/Amorphous
- 22 Crystalline/Amorphous
- 23 Crystalline/Amorphous
- 24 Crystalline/Amorphous
- 25 Crystalline/Amorphous
- 26 Crystalline/Amorphous
- 27 Crystalline/Amorphous
- 28 Crystalline/Amorphous
- 29 Crystalline/Amorphous
- 30 Crystalline/Amorphous
- 31 Crystalline/Amorphous
- 32 Crystalline/Amorphous
- 33 Crystalline/Amorphous
- 34 Crystalline/Amorphous
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- 36 Crystalline/Amorphous
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- 39 Crystalline/Amorphous
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- 42 Crystalline/Amorphous
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- 94 Crystalline/Amorphous
- 95 Crystalline/Amorphous
- 96 Crystalline/Amorphous
- 97 Crystalline/Amorphous
- 98 Crystalline/Amorphous
- 99 Crystalline/Amorphous
- 100 Crystalline/Amorphous

ALTERATION MODIFIERS

- 1000 Chlorite
- 1001 Chlorite
- 1002 Chlorite
- 1003 Chlorite
- 1004 Chlorite
- 1005 Chlorite
- 1006 Chlorite
- 1007 Chlorite
- 1008 Chlorite
- 1009 Chlorite
- 1010 Chlorite
- 1011 Chlorite
- 1012 Chlorite
- 1013 Chlorite
- 1014 Chlorite
- 1015 Chlorite
- 1016 Chlorite
- 1017 Chlorite
- 1018 Chlorite
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- 1022 Chlorite
- 1023 Chlorite
- 1024 Chlorite
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- 1080 Chlorite
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- 1099 Chlorite
- 1100 Chlorite

MINERAL OCCURRENCES

- 1000 Chlorite
- 1001 Chlorite
- 1002 Chlorite
- 1003 Chlorite
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Symbols

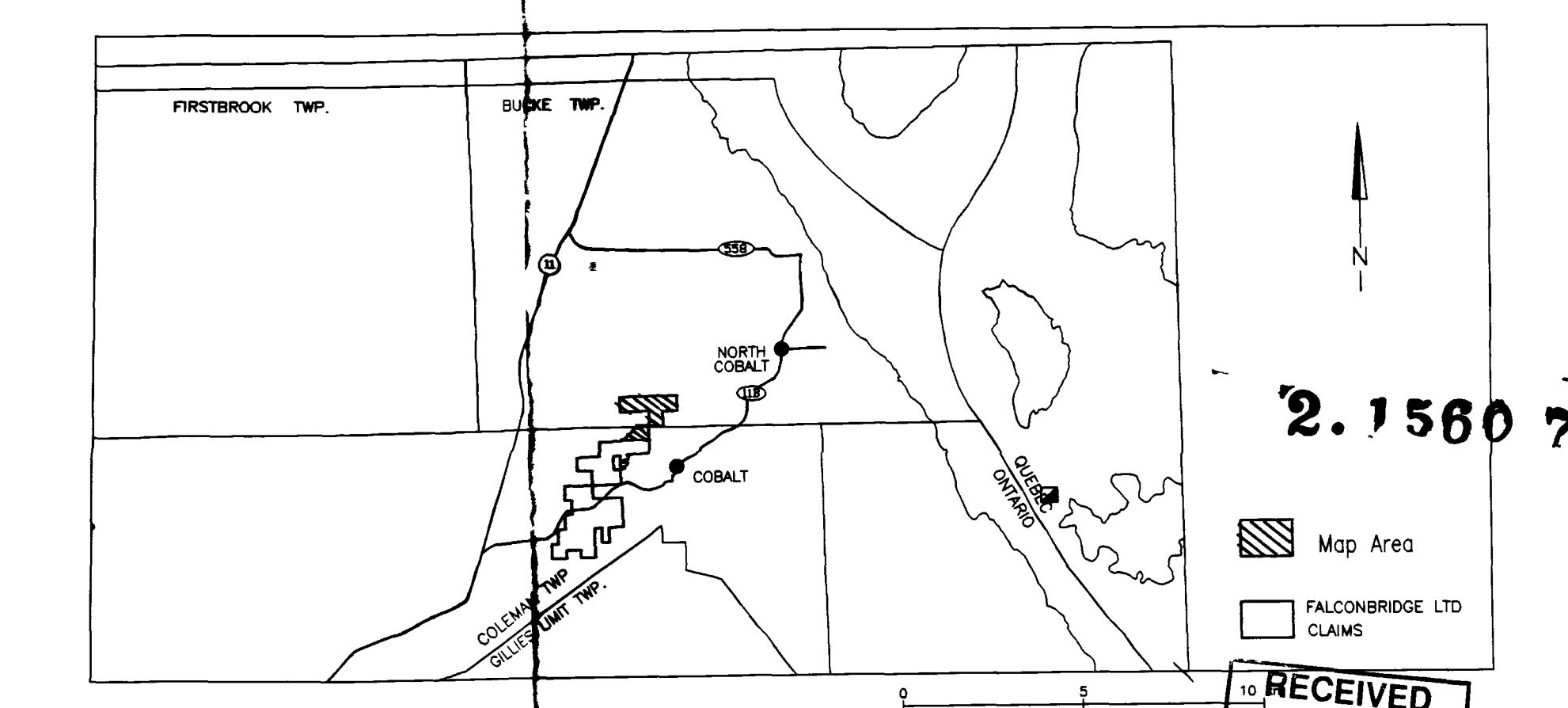
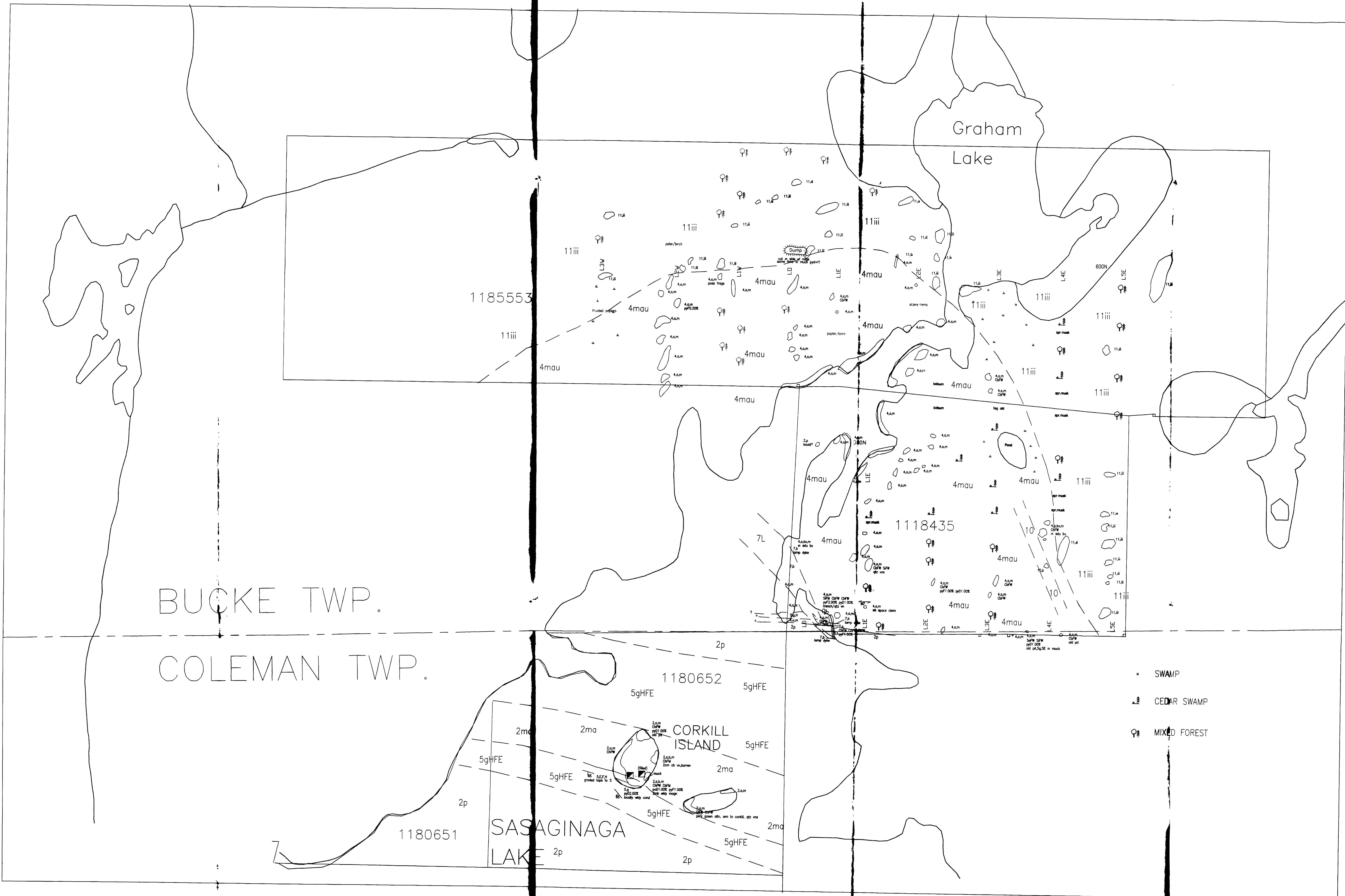
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MEASUREMENTS

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CULTURAL AND PHYSIOGRAPHIC FEATURES

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FALCONBRIDGE LIMITED
 Exploration Division Chelmsford ONTARIO

SASS LAKE GEOLOGY
 MAP 3 (NORTH SHEET)
 (See key map above)

MAPPED BY S. KORMOS

TRACED:	DATE: JULY/94	NTS: 31M5	PROJECT:
DRAWN:	DATE:	MAP No:	FILE: 2SASSLKC.DWG
SUPERVISED:	DATE:	SCALE 1:2500	
REVISED:	DATE:	0 50 100 150 200m	

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