

**REPORT ON THE 1995/1996  
GEOLOGICAL MAPPING PROGRAM  
ON THE  
MONTREAL RIVER "A" PROPERTY  
GRIDS: 95-1, 95-2, 95-3, 96-1  
TOWNSHIP OF LUNDY, ONTARIO**

**PREPARED FOR**

**SUDBURY CONTACT MINES LIMITED**

**BY**

**W.A. HUBACHECK CONSULTANTS LIMITED  
SUITE 1401, 141 ADELAIDE STREET WEST  
TORONTO, ONTARIO**



**2.17038**

**Patrick E. Toth, B.Sc.  
Raymond J. Knowles, B.Sc.  
December 28, 1996.**



31M12SW0014 2.17038 LUNDY

## **Summary**

A program of geological mapping was conducted in 1995 and 1996 on four grids located within a 576 hectare claim group. This group represents a portion of the Montreal River "A" Project area, solely owned by Sudbury Contact Mines Ltd., located in southeastern Lundy Township, Larder Lake Mining District.

Grids 95-2 and 95-3 have no exposed bedrock and are extensively covered by moderate to thick glacial and glaciofluvial deposits topped by five to ten metre high dunes. Grids 95-1 and 96-1 have 30 to 50% bedrock exposure of Huronian siltstone. Significant topographic depressions (in overburden-covered areas) occur over kimberlite pipes identified by work done prior to the mapping programs.

Diamond drilling is recommended on grids 95-1 and 95-3. A 50 m. line spacing infill magnetic survey followed by RC and/or diamond drilling is recommended for grid 96-1. Till/esker pit sampling and reconnaissance RC drilling is recommended for the claim group.

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## **Introduction**

Upon completion of a large scale reconnaissance till and esker pit sampling program for diamond and gold in 1993, an airborne geophysical survey was flown over a large area including most of Lundy Township. In December of 1994, four claims totalling 42 units or 672 hectares were staked in Lundy Township to cover interesting magnetic and geochemical results. This claim group represents a portion of the Sudbury Contact Mines Ltd. Montreal River "A" Project area.

In the winter of 1995 and 1996, a program consisting of line cutting, followed by magnetic and VLF EM ground geophysical surveys, was conducted to cover the more promising airborne anomalies. In March of 1995, a reverse circulation (RC) drill program was completed to test anomalies on grids 95-1, 95-2 and 95-3. This successfully resulted in the discovery of two kimberlite pipes, one on grid 95-1 and the other on grid 95-3. Subsequently, the RC program in March of 1996 resulted in the discovery of a third kimberlite pipe on grid 96-1.

During May of 1995, a program of geological mapping and prospecting was conducted on grids 95-1, 95-2, 95-3 and in June of 1996, on grid 96-1. The following report presents the results of this mapping program.

The co-ordination and implementation of the various technical tasks were conducted by W.A. Hubacheck Consultants Ltd. under the supervision of P. Hubacheck, D. Christie and R. Knowles.

## **Location and Access**

The claim group is located in south eastern Lundy Township, parts of Lots 1 to 4 within Concessions III and IV (Figures 1 and 2). Access to the claim group is via Highway 65 west from New Liskeard, then west along the Twin Lakes Road "C", and north along the Lundy-Hudson Township boundary road. From here a bush road was constructed along an existing network of trails to provide direct access to the grids.

## **Property Status**

The Sudbury Contact Mines Ltd. Montreal River "A" Property discussed in this report consists of a group of 38 contiguous mining claims covering approximately 4627 hectares in Lundy, Barr, Hudson and Firstbrook Townships, within the Larder Lake Mining Division. The portion of the property on which the work took place consists of three contiguous mining claims numbered 1202721, 1202722 and 1202724 comprising 576 hectares (Figure 2). Details are as follows:

**Table 1:**

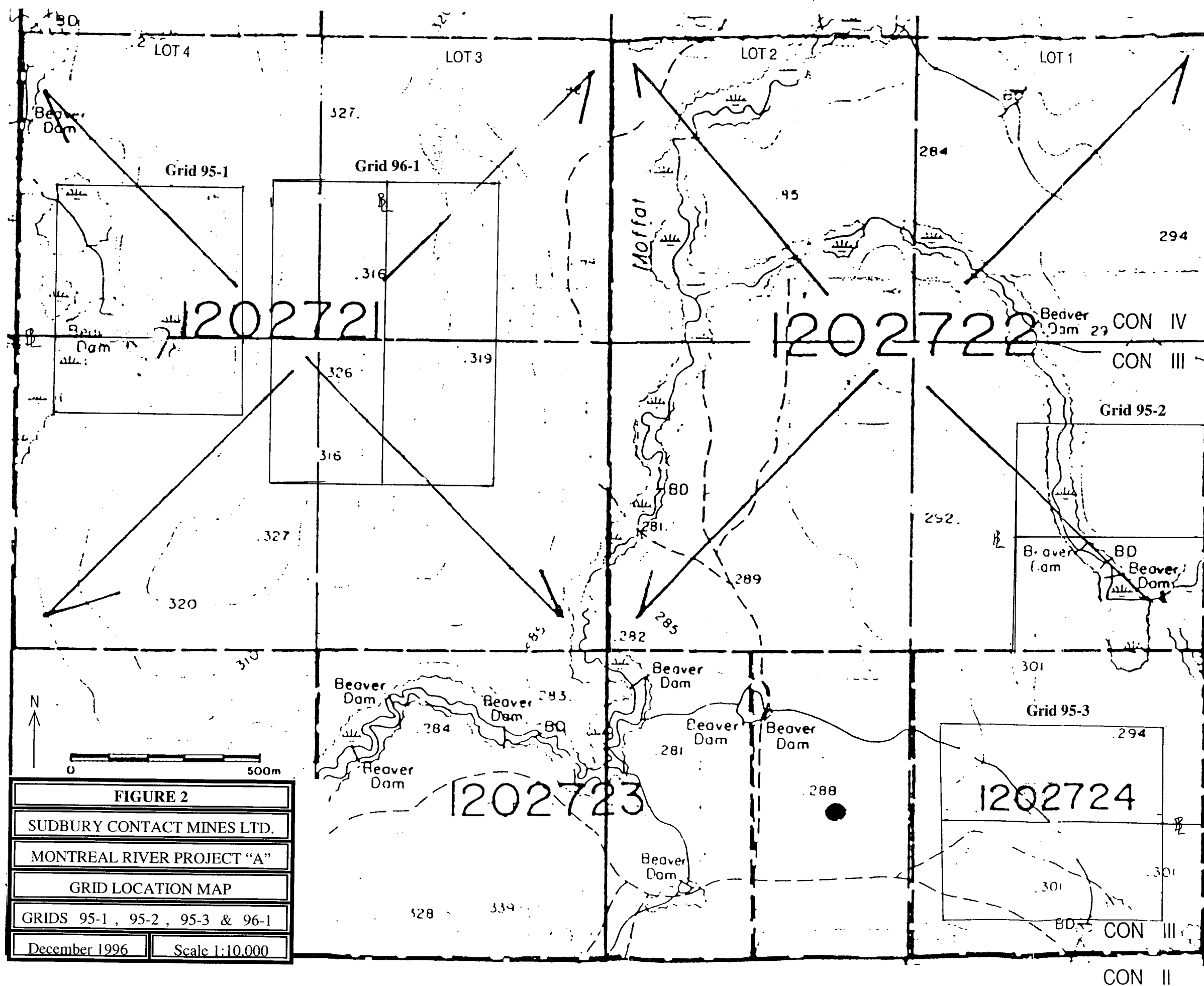
**Property Status**

<b>CLAIM NUMBER</b>	<b>DATE RECORDED</b>	<b>TOWNSHIP</b>	<b>AREA (UNITS)</b>	<b>AREA (HECTARES)</b>
1200010	95/08/08	Hudson	12	192
1200013	95/08/08	Firstbrook	4	64
1200507	95/08/08	Hudson	5	80
1200508	95/08/08	Hudson	2	32
1200509	95/08/08	Hudson	2	32
1200580	95/03/29	Hudson	2	32
1200582	95/03/29	Hudson	4	64
1200583	95/03/29	Hudson	4	64
1202721	94/12/13	Lundy	16	256
1202722	94/12/13	Lundy	16	256
1202723	94/12/13	Lundy	6	96
1202724	94/12/13	Lundy	4	64
1205938	95/03/31	Lundy	10	160
1205939	95/03/31	Lundy	4	64
1205940	95/03/31	Lundy	14	224
1205941	95/03/31	Lundy	16	256
1205942	95/03/31	Lundy	4	64
1205943	95/03/31	Lundy	16	256
1205944	95/03/31	Lundy	12	192
1205945	95/03/31	Lundy	4	64
1205946	95/03/31	Lundy	8	128
1205947	95/03/31	Lundy	8	128
1205948	95/03/31	Lundy	16	256
1205949	95/03/31	Lundy	8	128
1205950	95/03/31	Barr	16	256
1205951	95/03/31	Hudson	4	64
1205952	95/03/31	Hudson	8	128
1205953	95/03/31	Hudson	8	128
1205954	95/03/31	Hudson	8	128
1205955	95/03/31	Hudson	4	64
1205956	95/03/31	Hudson	8	128
1205957	95/03/31	Hudson	1	16
1205958	95/03/31	Hudson	8	128
1205959	95/03/31	Hudson	4	64
1205960	95/03/31	Hudson	2	32
1205971	95/07/10	Firstbrook	4	64
1211472	96/02/02	Hudson	4	64
1214101	96/06/04	Hudson	16	256

**Total 38 claims**

**292 units    4672 hectares**





<b>FIGURE 2</b>	
SUDBURY CONTACT MINES LTD.	
MONTREAL RIVER PROJECT "A"	
GRID LOCATION MAP	
GRIDS 95-1, 95-2, 95-3 & 96-1	
December 1996	Scale 1:10,000

CON II



**Logistics**

Technical Consultants      W.A. Hubacheck Consultants Ltd.  
141 Adelaide St. W., Suite 1401  
Toronto, Ontario  
M5H 3L5

Project Geologist          David Christie, B.Sc.  
104 Douglas Ave.  
Toronto, Ontario  
M5M 1G6

Contract Project Geologist   Raymond J. Knowles, B.Sc.  
79 Thirteenth Street  
Etobicoke, Ontario  
M8V 3H5

Contract Geologist          Patrick E. Toth, B.Sc.  
Mid-Town P.O. Box 20155  
Hanover, Ontario  
N4N 3T1

Assistant Geologist          Michelle Joyette  
Mississauga, Ontario

## **Regional Surficial Geology, Topography and Vegetation**

The southwestern portion of the project area is dominated by an upland composed of sporadic bedrock knobs and abundant glaciofluvial sediment cover. The most pronounced surficial feature in the area is the south-southwest-trending Twin Lakes Esker which lies along the western boundary of Hammond Lake (Twin Lakes). Numerous kettles and kettle lakes line the flanks of the esker. With the retreat of the last glaciation, a large proglacial outwash plain consisting of sand and gravel was deposited.

The northwestern two-thirds of the project area is covered by glaciolacustrine silt and clay rhythmites. Numerous swamps and marshes exist on this poorly drained glaciolacustrine plain. After the drainage of the glaciolacustrine lake around 8000 years ago, eolian re-working of the outwash plain resulted in the production of numerous small dune fields.

The dominant vegetation cover in the area is comprised of mature, natural and artificial growth pine in the sandy and upland topographic regions and mixed poplar, spruce, pine and hardwoods in the wet or clay/silt dominated terrains. Tag alder and open, small bogs are common along stream and river courses.

## **Local Topography and Vegetation**

The topography in the vicinity of grids 95-1 and 96-1 consists of medium to upland north-south oriented ridges with moderate bedrock exposure and upland areas are covered by pine and in low areas, mixed spruce and poplar predominate.

Grids 95-2 and 95-3 are situated on relatively flat topography with no outcrop present. These areas for the most part, are largely dominated by eolian dune covered outwash plain. The vegetation consists of natural and artificial growth pine intermixed with poplar in the clay/silt dominated areas and spruce in the wet ground. Corridors of tag alders are quite common along the sides of creeks and intermittent streams. Small, open beaver meadows are also present.

## **Exploration History**

No previous work has been recorded on the claims.

## **Regional Geology**

The bedrock of the region is part of the Cobalt Embayment of the Huronian Supergroup, which lies in the Southern Structural Province of the Canadian Shield (Table 2). Middle Precambrian Huronian sedimentary rocks of the Cobalt Group unconformably overlie Early Precambrian metavolcanic and metasedimentary rocks (Johns, 1985).

The Early and Middle Precambrian rocks have both been intruded by Nipissing Diabase dike and sill complexes which occur as a series of cone-shaped intrusions that produce circular to oval outcrop patterns. Numerous facies of the Nipissing Diabase have been recognized, including the chilled margin facies comprised of quartz "diabase" (quartz diorite).

The Cobalt Group is divided into two formations; the Lorrain and Gowganda. The Lorrain Formation is comprised of arkose, quartz arenites, metamorphosed arenite, and a basal maroon wacke. The Gowganda Formation is further subdivided into the Coleman Member and the overlying Firstbrook Member. The Coleman Member consists of pebbly wacke, argillite, arkose and conglomerate. The Firstbrook Member is made up of black and grey argillite, red argillite and siltstone, and red siltstone and wacke (Johns, 1985).

The Huronian sedimentary rocks are draped about a northeasterly-trending anticlinal axis termed the Lady Evelyn Lake Anticline. The dips of these rocks vary from a maximum of 31° west to 25° east, except where adjacent to the Nipissing intrusions (Owsiacki, 1985). In a few of these areas, the beds have been tilted up to 68°.

The dominant structural feature in the immediate region of interest is the Cross Lake Fault. This fault dips 65° to the northeast and is an important feature of the Timiskaming Rift Valley by proposed Lovell and Caine (1970).

**Table 2**

**Table of Lithologic Units**

PHANEROZOIC

CENOZOIC

QUATERNARY

PLEISTOCENE AND RECENT

Glacial, glaciofluvial, swamp, lake, and stream deposits.

*Unconformity*

PRECAMBRIAN

LATE PRECAMBRIAN

MAFIC INTRUSIVE ROCKS

Diabase, epidotized diabase, granophyric diabase.

*Intrusive Contact*

MIDDLE PRECAMBRIAN

MAFIC INTRUSIVE ROCKS

NIPISSING DIABASE

Quartz diabase, granophyric diabase, granophyre, varied textured diabase, diabase chilled margins, porphyritic diabase.

*Intrusive Contact*

HURONIAN SUPERGROUP

COBALT GROUP

LORRAIN FORMATION

Arkose, quartz arenite, basal maroon wacke, metamorphosed arenites.

*Conformable Contact*

GOWGANDA FORMATION

FIRSTBROOK MEMBER

Black to grey shaley argillite, red siltstone and shale, red wacke and siltstone, metamorphosed sediments.

*Conformable Contact*

COLEMAN MEMBER

Pebbly wacke, argillite, conglomerate, wacke, arkose, metamorphosed sediments.

*Unconformity*

## **Property Geology**

The purpose of the geological mapping program conducted on the grids was to ground-check apparent geophysical survey anomalies and derive an explanation for their existence. In addition, attention was given to any possible mineralization that might be of interest.

Much of Grid 95-1 was found to be underlain by small to medium sized bedrock knobs of thin bedded to laminated siltstone that contained minor units of arkosic greywacke. The outcrop extended north to south and from the east of the grid over to within 100 m of its western limit. On average, the rocks were found to strike of  $\sim 200^\circ - 218^\circ$  and dip  $\sim 10^\circ - 20^\circ$  to the northwest. These rocks did not provide an explanation for the presence of the two anomalies. Two large, oval shaped, depressed, open beaver meadows were found and one of them lies coincident with a geophysically expressed, RC drill defined kimberlite. No significant mineralization was found on the grid.

Grids 95-2 and 95-3 contained no outcrop. The entire area is covered by five to ten meter high dunes. This is a result of eolian re-working of pre-existing outwash plain deposits. Both grids also contained low-lying swampy ground, with grid 2 having several topographically depressed areas filled by beaver ponds and open meadows. It is possible that these topographic features may be indicative of some underlying geological structures. There is no surface expression over the kimberlite pipe on grid 95-3.

Grid 96-1 is underlain by Huronian siltstone/mudstone. These rocks strike northeasterly and dip gently ( $5^\circ$  to  $30^\circ$ ) to the west. The eastern portion of the grid contains a large bedrock ridge that stretches the length of the grid and constitutes the majority of the outcrop found. Sporadic, outcroppings of sedimentary rocks were also found on the western edge of the grid. The outcrops around the immediate region of the geophysical anomaly yielded magnetic susceptibility readings of  $0.26$  to  $0.37 \times 10^{-5}$  SI units typical of this rock type, and thus did not provide an explanation for the existence of the anomaly. There is no bedrock exposure within the confines of the geophysical anomaly. A subtle topographical depression exists over the northern portion of the anomaly where the RC drill intersected the kimberlite. No significant mineralization was found on the grid.

## **Conclusions and Recommendations**

The geophysical anomalies covered by the grids were not explained by the results of the geological mapping. The lack of outcrop and topographical expression over the anomalies on grids 95-1 and 95-2 help to verify the potential shape of the discovered kimberlite. Based on the geophysical and mapping results, the following recommendations are made:

- 1) The magnetic expression and shape of the kimberlite on grid 95-1 is sufficiently defined. Therefore, 500 to 700 meters of diamond drilling is recommended in two to three hole in order to verify the shape and quality of the kimberlite.
- 2) The magnetic expression and shape of the kimberlite with respect to the bedrock location on grid 96-1 is poorly defined. A 50 m. line spacing infill magnetic survey is recommended, followed by two to three reverse circulation drill holes to sample at least 120 to 160 kg of kimberlite or 500 meters of diamond drilling in two to three holes. In this way, verification of the shape and quality of the kimberlite may be obtained.
- 3) The magnetic expression of the kimberlite on grid 95-3 is well defined. Therefore, 500 to 700 meters of diamond drilling is recommended in two to three holes in order to verify the shape and quality of the kimberlite.
- 4) No significant target exists on grid 96-2. No further detailed work is recommended.
- 5) More detailed till pit along with reverse circulation drill sampling is recommended for the claim group as a whole in order to search for additional kimberlites.

## **References**

- Johns, G.W. (1985): Geology of Firstbrook and Parts of Surrounding Township Area, District of Timiskaming; Ontario Geological Survey Report 237; 58p. Accompanied by Map 2474, scale 1 inch to ½ mile (1:31,680).
- Lovell, H.L., and Caine, T.W. (1970): Lake Timiskaming Rift Valley, Ontario Department of Mines, Miscellaneous Paper 39, 16p.
- Owskiacki, L. (1985): Geology and Mineral Deposits of Lundy Township, Timiskaming District; Ontario Geological Survey, Map P.2733, Geological Series-Preliminary Map, Scale 1:15840 or 1 inch to 1/4 mile. Geology 1981, 1982.

### **Certificate of Qualifications**

I, Patrick E. Toth, of the Town of Hanover, in the Province of Ontario, Canada, do hereby certify that:

- 1) I am an exploration geologist residing at P.O. Box 20155, Hanover, Ontario, N4N 3T1.
- 2) I hold a B.Sc., Geological Sciences degree conferred by Brock University of St. Catharines, Ontario in 1995, and I have been practicing my profession as an Exploration Geologist continuously since graduation.
- 3) I am a member of the Canadian Prospectors and Developers Association of Canada, and The Canadian Institute of Mining and Metallurgy - Cobalt Branch.
- 4) This report is based on personal examination and the implementation of work on the property during the summer of 1996 on behalf on Sudbury Contact Mines Ltd.
- 5) I have no direct interest in the properties or securities of Sudbury Contact Mines Ltd.

Dated at Toronto, Ontario  
this 28th Day of DECEMBER, 1996

Patrick E. Toth, B.Sc.



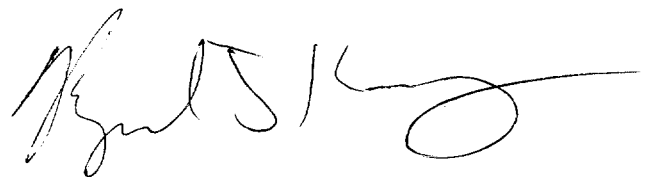


## **Certificate of Qualifications**

I, Raymond J. Knowles, of the City of Etobicoke, in the Province of Ontario, Canada, do hereby certify that:

- 1) I am an Exploration Geologist, residing at 79 Thirteenth Street, Etobicoke, Ontario, M8V 3H5, under contract to W. A. Hubacheck Consultants Ltd., 141 Adelaide St. West, Suite 1401, Toronto, Ontario.
- 2) I am a graduate of the University of Toronto where I received my Bachelor of Science degree in Geology in 1985, and have been practicing my profession as an Exploration Geologist continuously since graduation.
- 3) I am a Fellow of the Geological Association of Canada, a member of the Canadian Institute of Mining and Metallurgy and the Prospectors and Developers Association of Canada.
- 4) This report is based on personal examination of the property in 1996.
- 5) I have no direct interest in the properties or securities of Sudbury Contact Mines Ltd..

Dated at Toronto, Ontario  
This 28th day of December, 1996



Raymond J. Knowles, B.Sc.



Declaration of Assessment Work Performed on Mining Land

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

Transaction Number (office use) W9780.00083 Assessment Files Research Imaging

GAO

Personal information collected on this form is obtained under the authority of subsections 65(2) and 66(3) of the Mining Act. 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 933 Ramsay



31M12SW0014 2.17038 LUNDY

Instruct

g a claim, use form 0240.

900

2.17038

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 SUDBURY CONTACT MINES LTD.

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

Checkboxes for Geotechnical, Physical, and Rehabilitation work types.

Work Type: Geological Mapping. Office Use: Commodity, Total \$ Value of Work Claimed (9,881), NTS Reference, Mining Division (Larder Lake), Resident Geologist District (Cobalt).

- 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 handwritten entry for P. TOTH, R.J. KNOWES for W.A. HUBACHECK CONSULTANTS LTD. and a RECEIVED stamp dated FEB 7 - 1997.

4. Certification by Recorded Holder or Agent

I, DAVID W. CHRISTIE, 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: David Christie, Date: Jun 30/97, Agent's Address: 1401-141 Adelaide St. W., Toronto, Ont. M5H 3L5, Telephone Number: 416-364-2895, Fax Number: 416-364-5384.

MAY 1, 1997

5. Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining land where work was performed, at the time work was performed. A map showing the contiguous link must accompany this form.

629780.00083

Mining 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 1202721	16 units	6575	0	0	6575
2 1202722	16 units	1604	0	0	1604
3 1202724	4 units	1702	0	0	1702
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
Column Totals		9881	0	0	9881

2.17038

I, DAVID W. CHRISTIE, 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.

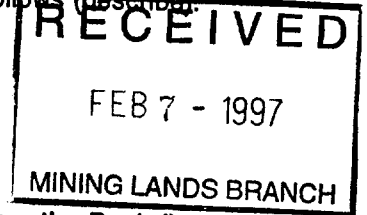
Signature of Recorded Holder or Agent Authorized in Writing

Date: Jan 30/97

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; or
- 4. Credits are to be cut back as prioritized on the attached appendix or as follows (described):



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>2 May 1997</u>	Date Notification Sent
Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature) <u>[Signature]</u>	

11.02x





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° de transaction

W9780.00083

**2.17038**

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 se recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un regist des concessions minières. Adresser toute question sur la collece de renseignements au chef provincial des terrains miniers, ministère ( Développement du Nord et des Mines, 159, rue Cedar, 4<sup>e</sup> étage, Sudbu (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		
	Field Supervision Supervision sur le terrain	4,499.50	4,499.50
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type Management/ Administration	392.00	
			392.00
Supplies Used Fournitures utilisées	Type Reproduction	50.00	
	Courier	35.00	
			85.00
Equipment Rental Location de matériel	Type Radio & Mag. Sizer Meter Roll	93.00	
	ATV Rental	360.00	
			453.00
<b>Total Direct Costs Total des coûts directs</b>			<b>52,295.50</b>

**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	252.00	
	Gas	600.00	
			312.00
Food and Lodging Nourriture et hébergement	MINING LANDS BRANCH Feet	510.00	
	Accommodation	630.00	1170.00
Mobilization and Demobilization Mobilisation et démobilisation			
<b>Sub Total of Indirect Costs Total partiel des coûts indirects</b>			<b>1482.00</b>
<b>Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)</b>			<b>1085.4</b>
<b>Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs)</b>			<b>63154.90</b>

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
	× 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	Évaluation totale demandée
	× 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 PROJECT GEOLOGIST 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 	Date Jan 30/97
---------------	-------------------



April 3, 1997

Roy Spooner  
Mining Recorder  
4 Government Road East  
Kirkland Lake, ON  
P2N 1A2

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

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

Dear Sir or Madam:

Submission Number: 2.17038

**Status**

**Subject: Transaction Number(s):** W9780.00083 Deemed Approval

---

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.

NOTE: This correspondence may affect the status of your mining lands. Please contact the Mining Recorder to determine the available options and the status of your claims.

If you have any questions regarding this correspondence, please contact Bruce Gates by e-mail at [gates\\_b@torv05.ndm.gov.on.ca](mailto:gates_b@torv05.ndm.gov.on.ca) or by telephone at (705) 670-5856.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Ron C. Gashinski".

ORIGINAL SIGNED BY  
Ron C. Gashinski  
Senior Manager, Mining Lands Section  
Mines and Minerals Division

# Work Report Assessment Results

**Submission Number:** 2.17038

**Date Correspondence Sent:** April 03, 1997

**Assessor:** Bruce Gates

---

<b>Transaction Number</b>	<b>First Claim Number</b>	<b>Township(s) / Area(s)</b>	<b>Status</b>	<b>Approval Date</b>
W9780.00083	1202721	LUNDY	Deemed Approval	April 01, 1997

**Section:**

12 Geological GEOL

**Correspondence to:**

Mining Recorder  
Kirkland Lake, ON

Resident Geologist  
Cobalt, ON

Assessment Files Library  
Sudbury, ON

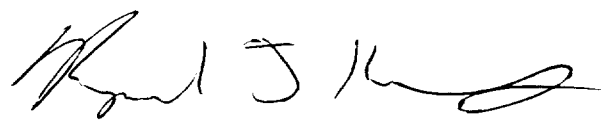
**Recorded Holder(s) and/or Agent(s):**

David W. Christie  
TORONTO, ONTARIO, CANADA

SUDBURY CONTACT MINES LIMITED  
TORONTO, Ontario

2.17038

Total wages/salaries	2 180.25
Management / Administration	190.50
Truck	168.00
ATV(X2)	180.00
Gas	60.00
Accommodation	280.00
Food	240.00
Equipment (Radios & Susceptibility Meters)	47.00
Reproduction	10.00
Courier	10.00
<b>TOTAL COST</b>	<b>3 365.75</b>

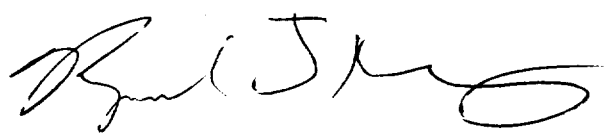
Certified by :   
Date : Jan 30 1997

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FEB 7 - 1997  
MINING LANDS BRANCH



216 MAPPING PROGRAM GRIDS 95-1, 95-2, & 95-3 (May, 1995)

Total wages/salaries	4 499.50
Management / Administration	392.00
Truck	252.00
ATV(X2)	360.00
Gas	60.00
Accommodation	630.00
Food	540.00
Equipment (Radios & Susceptibility Meters)	93.00
Reproduction	50.00
Courier	35.00
<b>TOTAL COST</b>	<b>6 911.50</b>

Certified by :   
Date : Jan 30/97

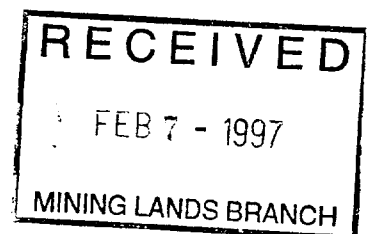
2.17038

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**Project #216 - 1995 & 1996 Grid Mapping  
Allocation of Expenditures**

Claim #	Staking Date	1995 Grid Mapping		1996 Grid Mapping		Total Cost
		Survey Date	Survey Cost	Survey Date	Survey Cost	
1202721	94/12/13	95/05/30	3209	96/06/05	3366	6575
1202722	94/12/18	95/05/30	1604	-----	-----	1604
1202724	94/12/13	95/05/30	1702	-----	-----	1702

2.17038





INDEX TO LAND DISPOSITION

PLAN  
G-3439  
TOWNSHIP  
LUNDY

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

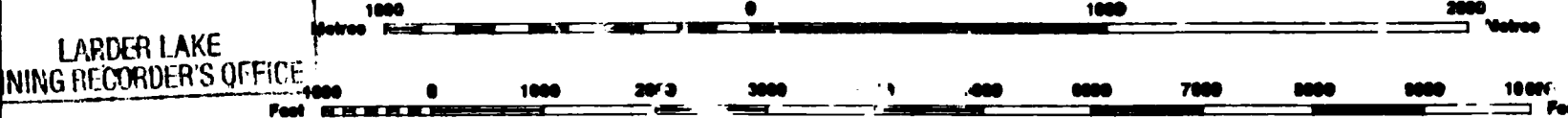
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FEB 7 1997  
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DATE OF ISSUE

FEB 6 1997

LARDER LAKE  
MINING RECORDERS OFFICE

Scale 1:20 000



Contour Interval 10 Metres

AREAS WITHDRAWN FROM DISPOSITION

M-0 - Mining Rights Only  
S-0 - Surface Rights Only  
M + S - Mining and Surface Rights

Table with columns: Description, Order No., Date, Disposition, File No. Includes entries for SEC. 36/80, SEC. 36/80, and O.N.D. R. NO. L-18/86.

SYMBOLS

Legend table listing symbols for Boundary, Flood allowance, Lot/Concession, Parcel, Right-of-way, Reservation, Cliff, Contour, Interpolated, Depression, Contr. point, Flood stand, Mine road, Pipe, Ra. way, Road, Shoreline, Transmission line, and Wooded area.

DISPOSITION OF CROWN LANDS

Legend table for Crown Land Disposition including 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, Cancelled, Requisition, and Sand & Gravel.

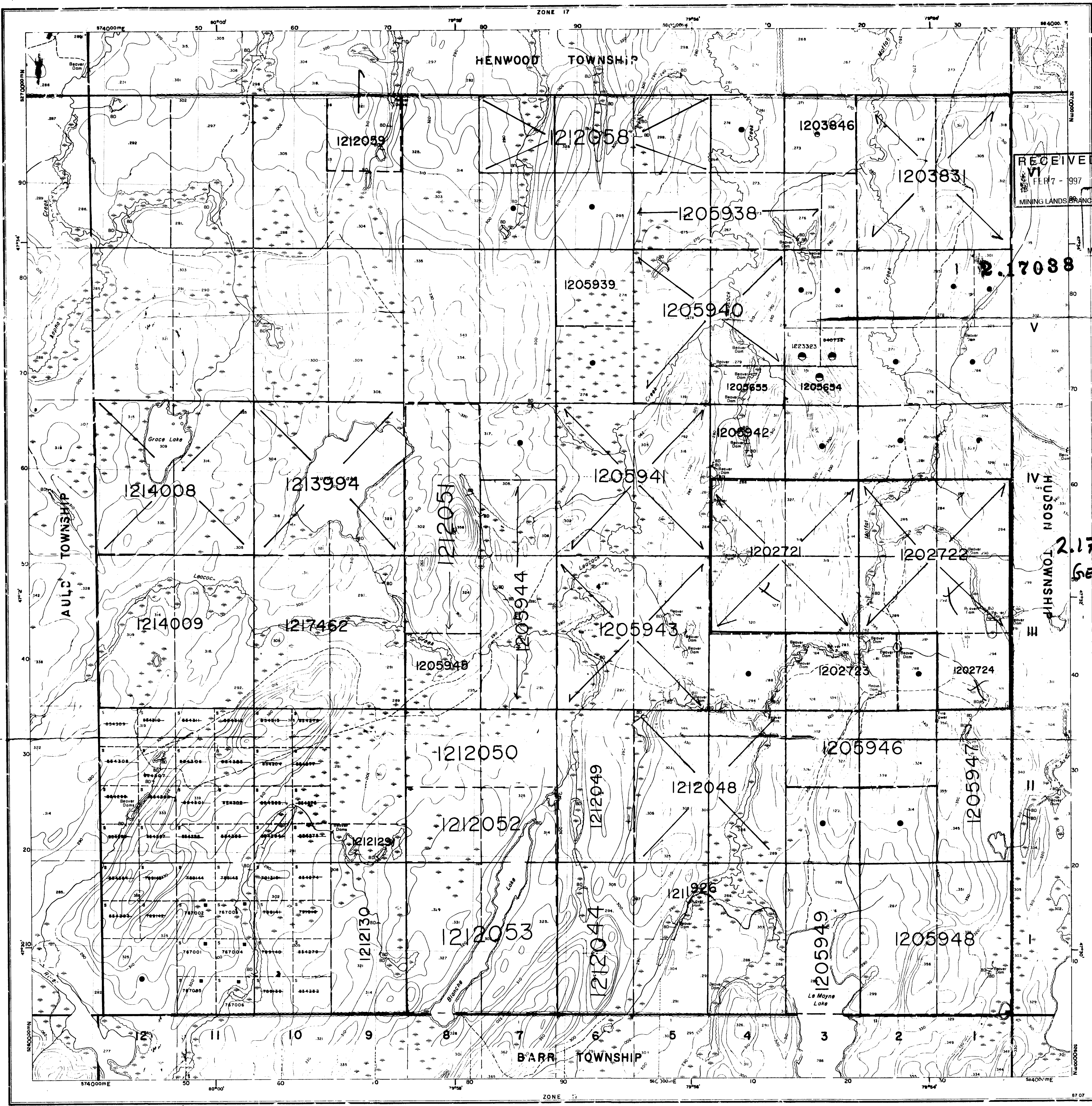
THIS TOWNSHIP FALLS WITHIN THE TEMAGAMI COMPREHENSIVE PLANNING AREA. SPECIAL WORKING CONDITIONS MAY APPLY TO EXPLORATION ACTIVITIES. FOR MORE DETAILS PLEASE CONTACT: DISTRICT MANAGER, NORTH BAY DISTRICT, MINISTRY, NATURAL RESOURCES

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.

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. P0H 2H0, 705-569-3622

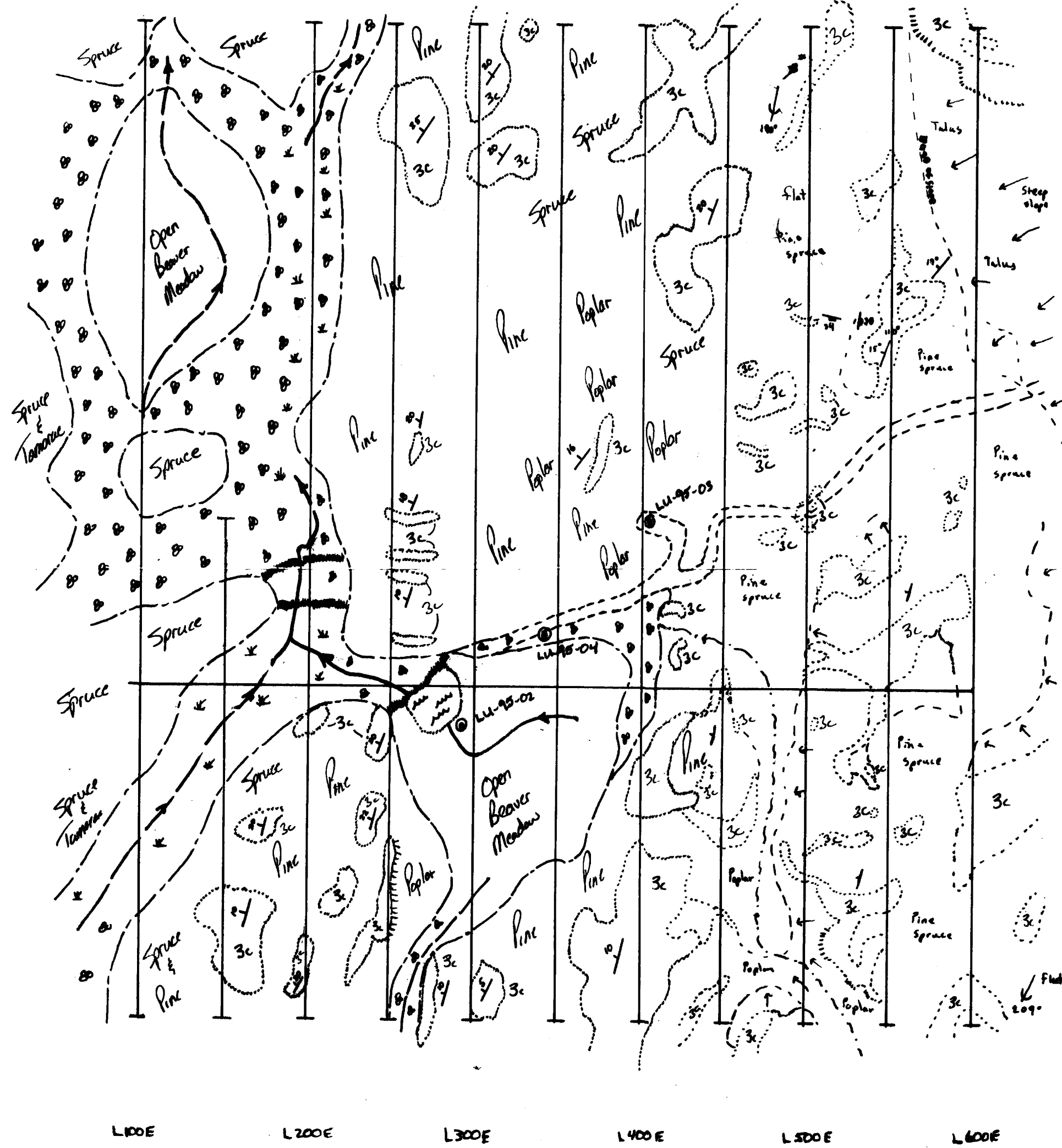
CIRCULATED APRIL 19/88 ARCHIVED APRIL 3, 1995



C-3439  
LUNDY T.

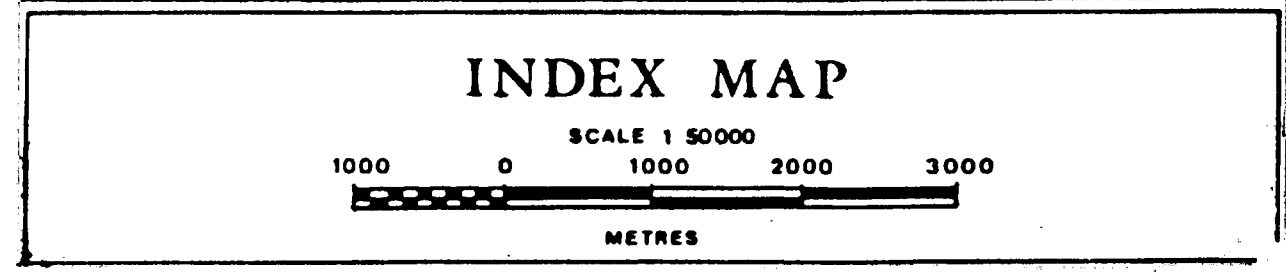
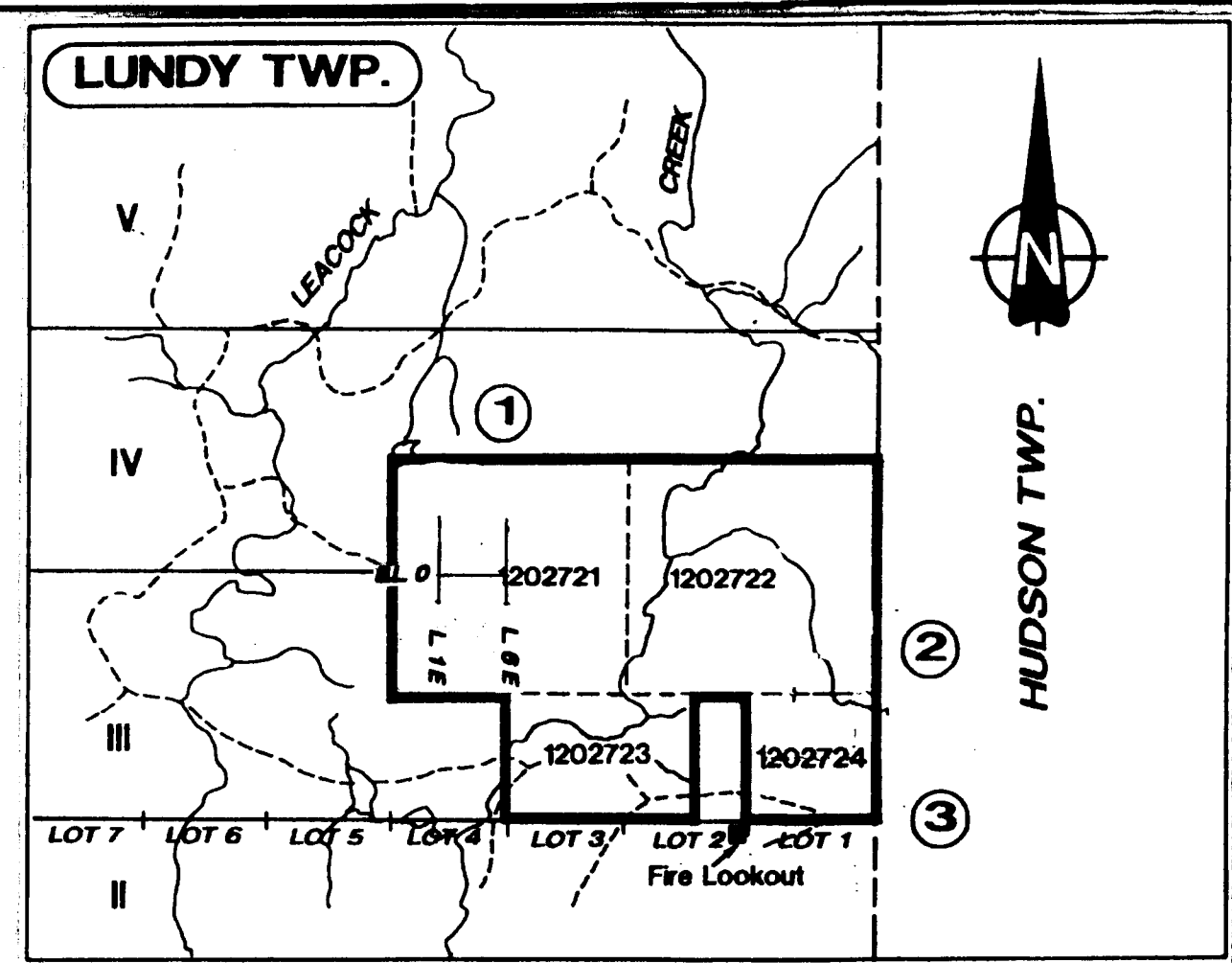


# GRID 1



-400 N  
-300 N  
-200 N  
-100 N  
-Baseline  
-100 S  
-200 S

L100E L200E L300E L400E L500E L600E



2.17038

## MAP 1

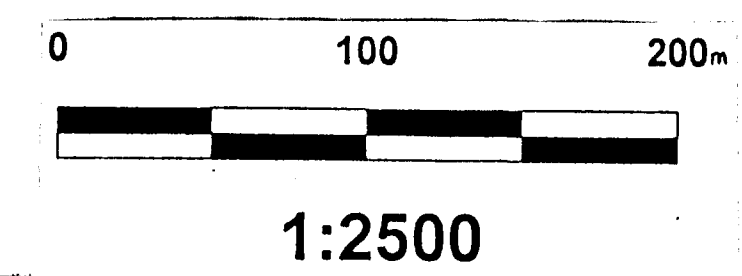
RECEIVED  
SEP 7 - 1997

LEGEND	
3C	Gowganda Formation Firstbrook Member Thin bedded to laminated siltstone with minor units of arkosic greywacke
○	Outcrop
⋈	Swamp/Wet Ground
~~~~~	Standing Water
→	Flowing Stream
→	Intermittent Stream
/	Strike & Dip
↖	Glacial Striation Direction
○	RC Drill Hole Location
---	ATV Trail, Slash Road
— — —	Beaver Dam
&	Alders
---	Alder Outline

### SUDBURY CONTACT MINES LTD.

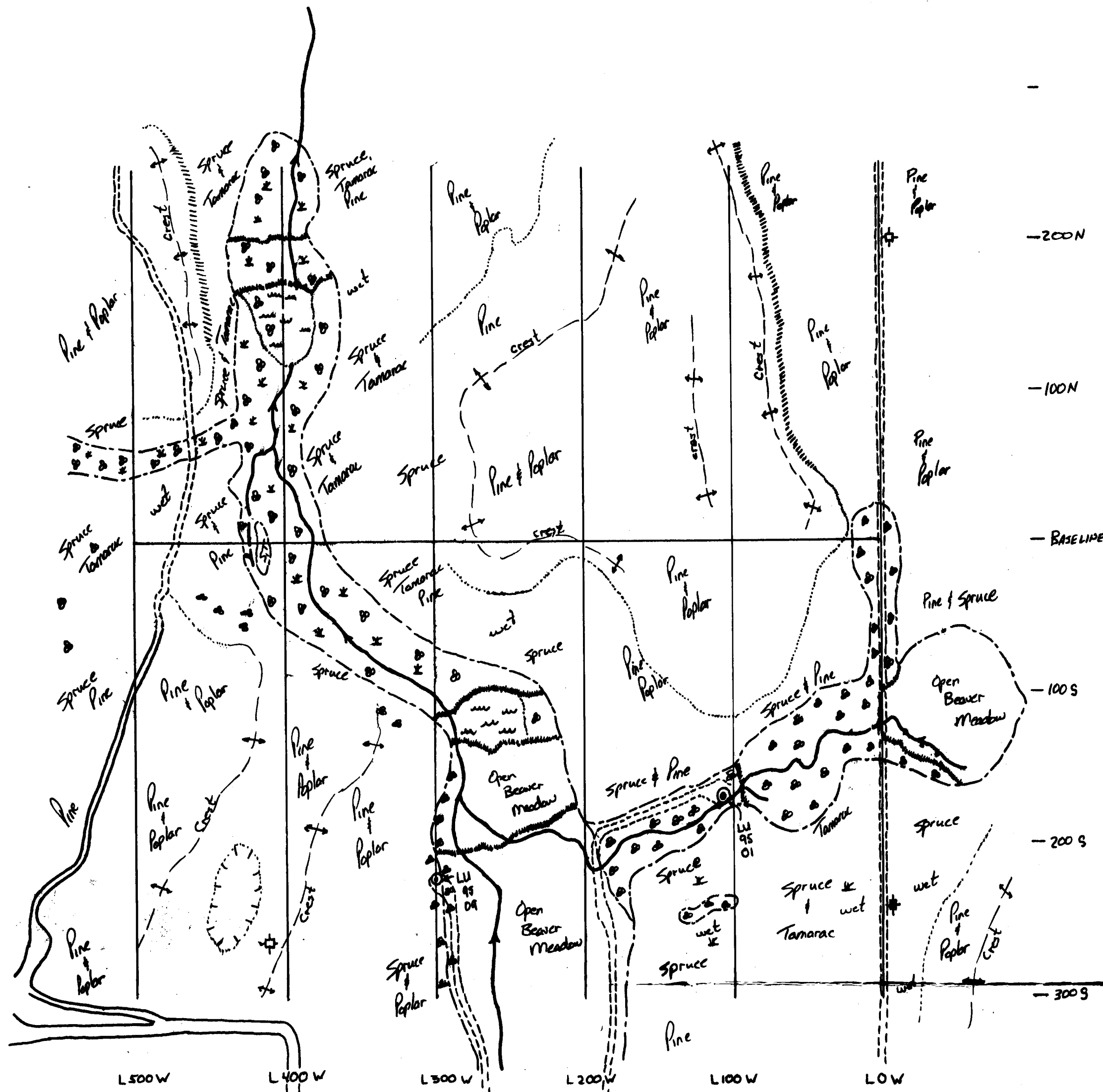
Geology of Grid 1 (1995)  
Lundy Twp. Project #216

Scale:	Date:	Drawn By:
1:2500	May 26 <sup>th</sup> - 29 <sup>th</sup> , 1995	PET

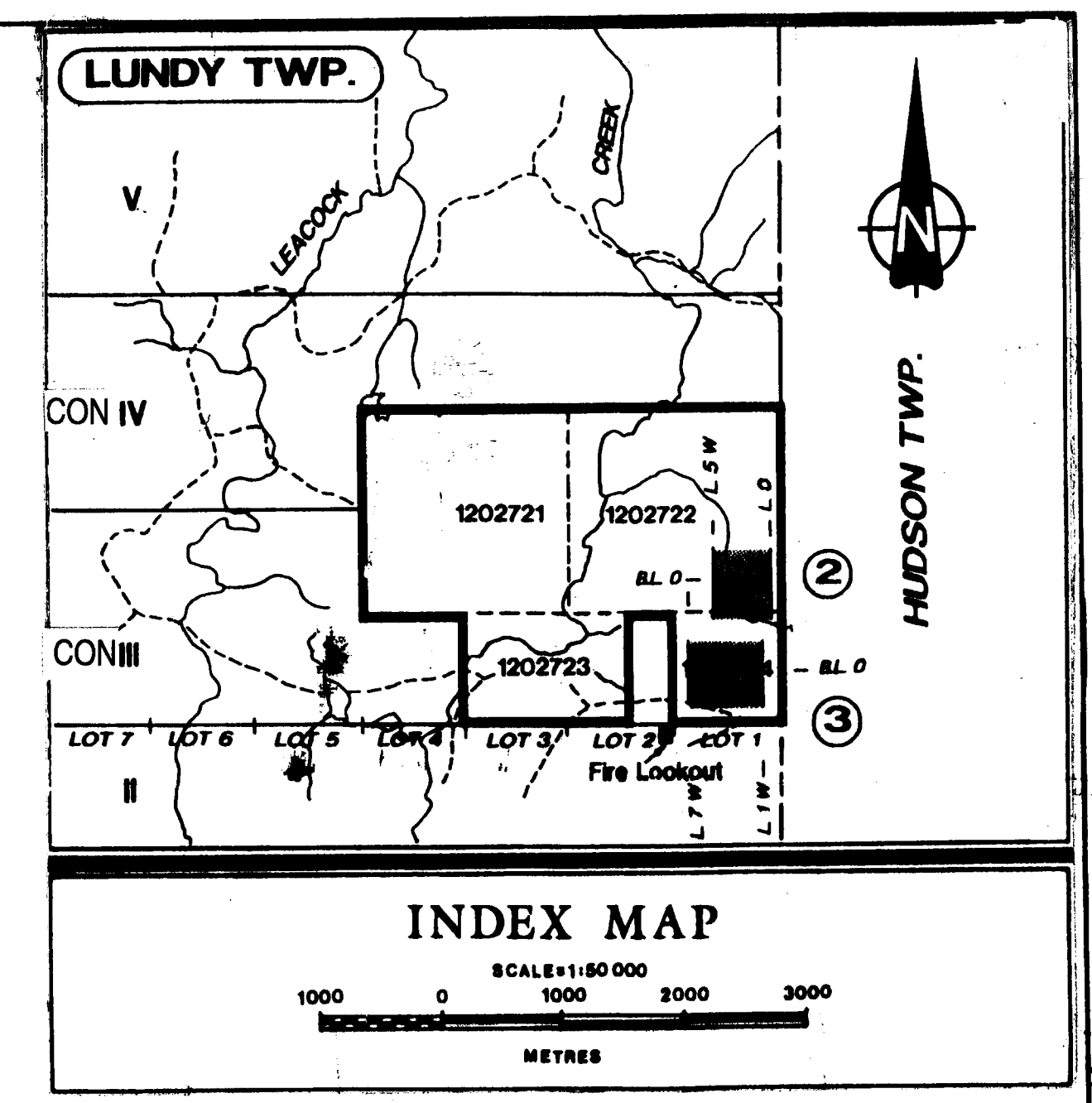
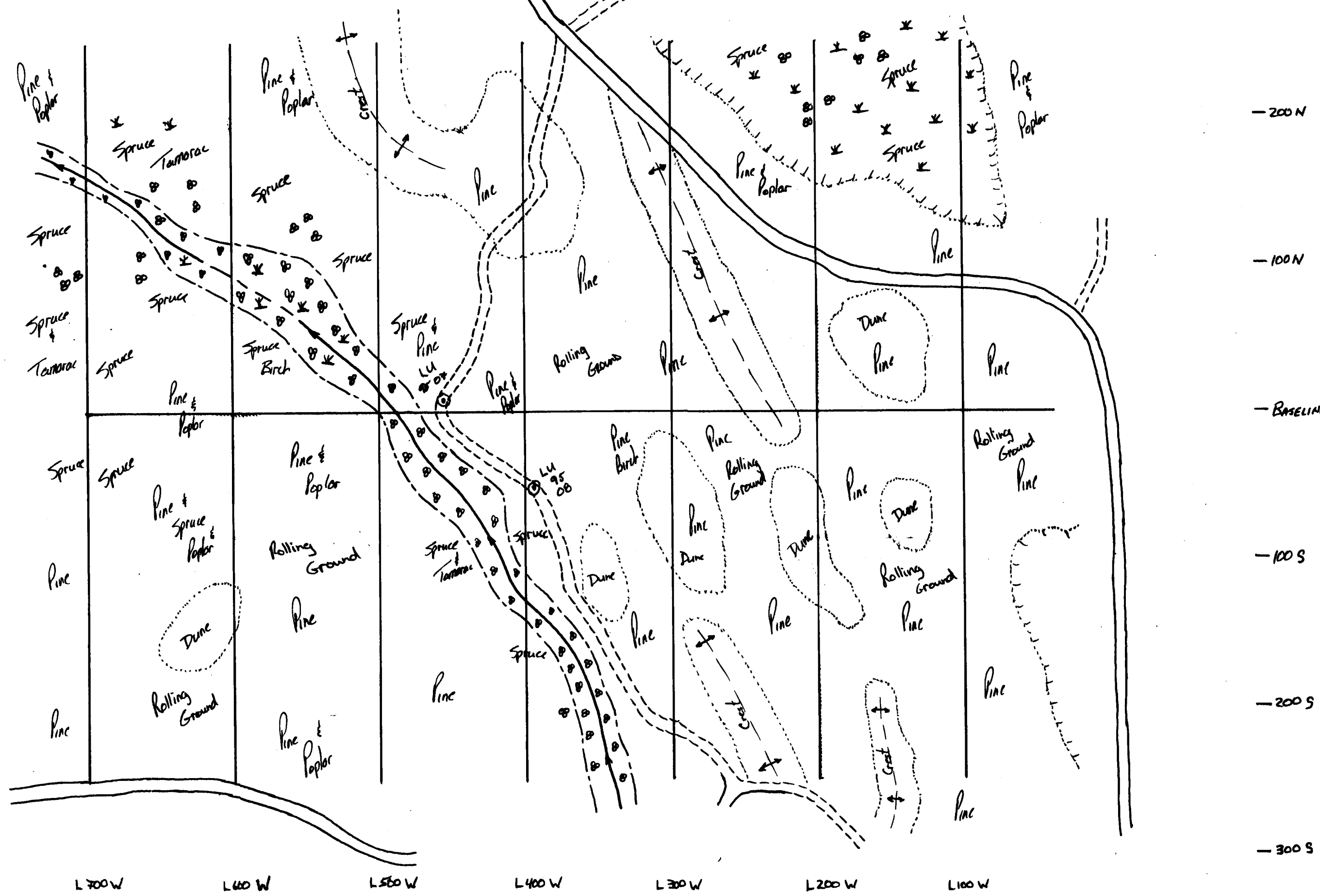




GRID 2



GRID 3

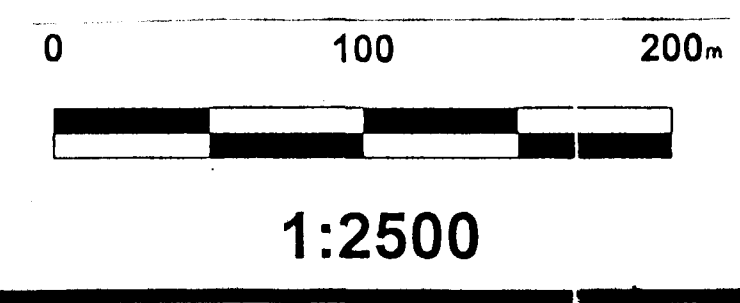


2.17038 MAP 2 RECEIVED  
FEB 7 - 1997

LEGEND	
	Alders
	Swamp/Wet Ground
	Dune, Esker, Topography
	Hollow, Slope Direction
	Alder Outline
	Beaver Dam
	Standing Water
	Flowing Stream
	Intermittent Stream
	Claim Post Marker
	RC Drill Hole Location
	ATV Trail, Slash Road
	Pick-up Truck Road

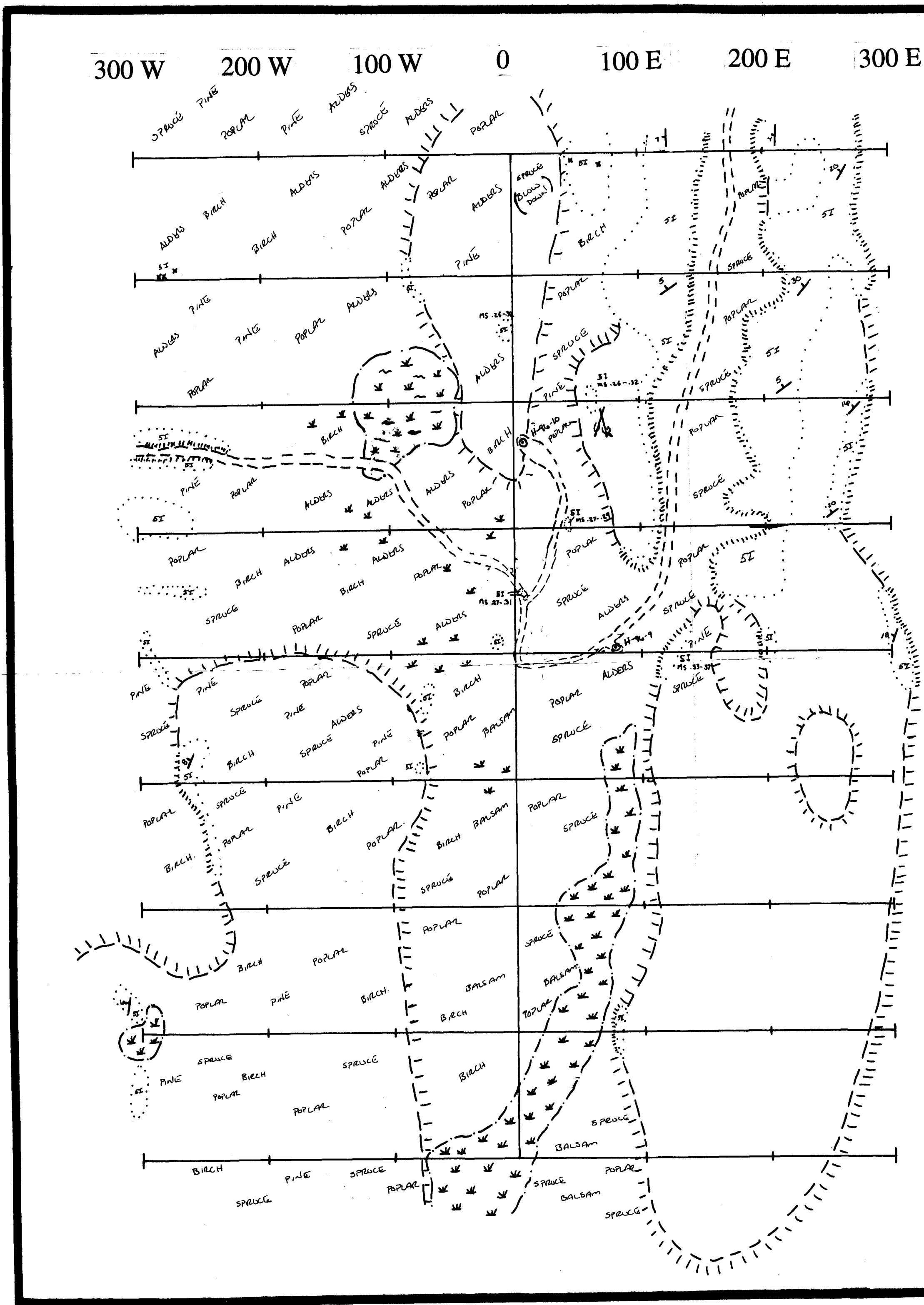
**SUDBURY CONTACT MINES LTD.**

Geology of Grid 2 & 3 (1995)  
Lundy Twp. Project #216

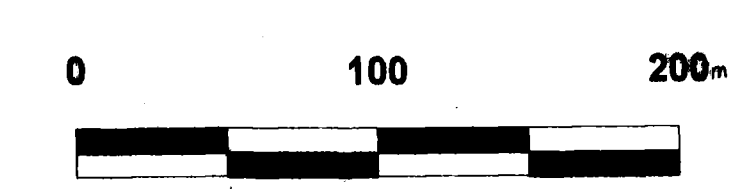
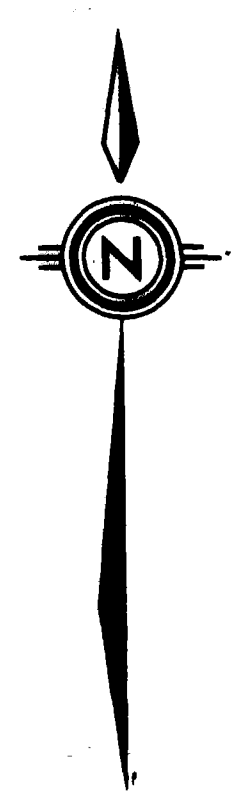


Scale:	Date:	Drawn By:
1:2500	May 26 <sup>th</sup> - 29 <sup>th</sup> , 1995	PET

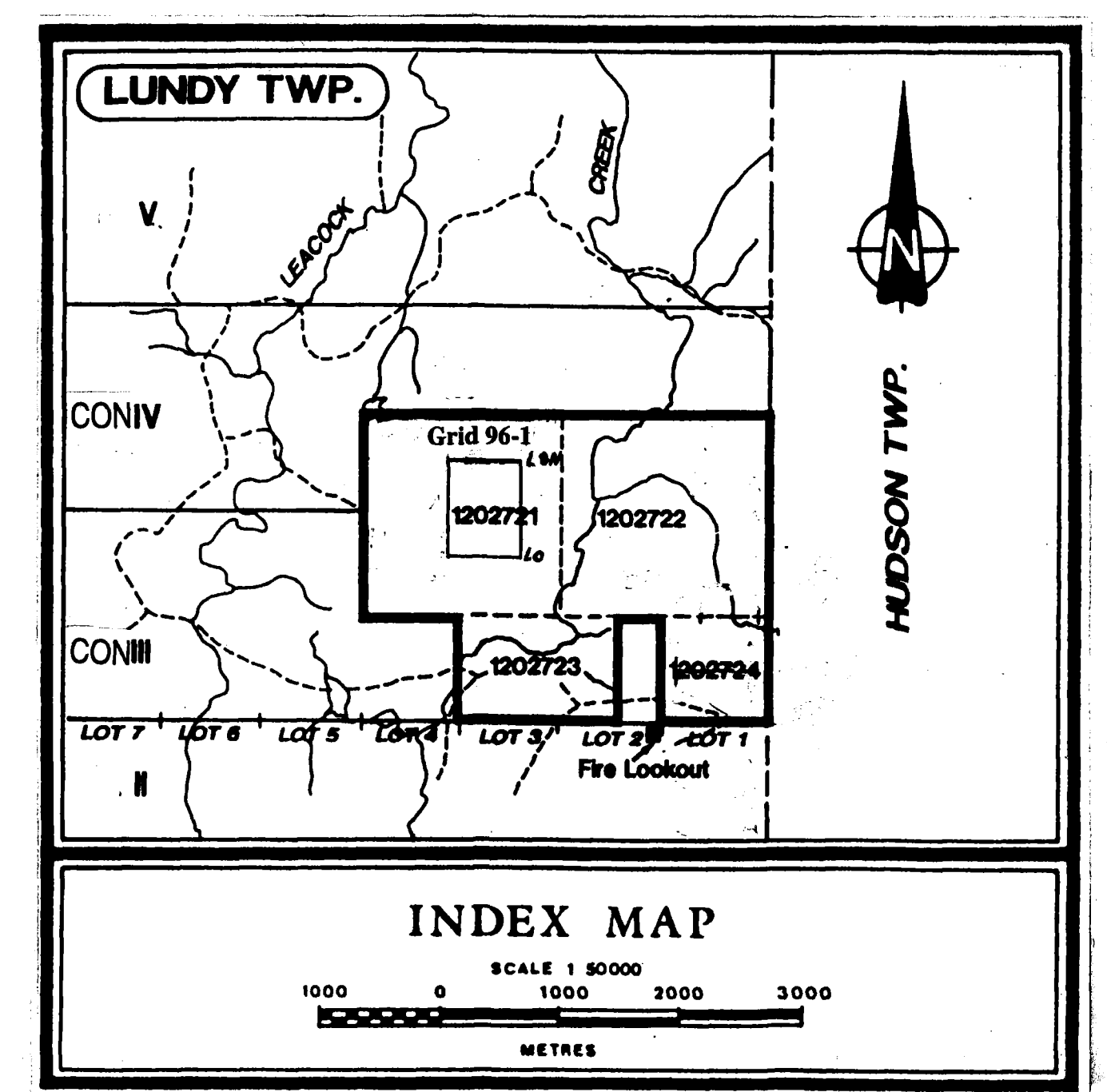




L 800 N  
L 700 N  
L 600 N  
L 500 N  
L 400 N  
L 300 N  
L 200 N  
L 100 N  
L 0 N



1:2500



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MAP 3

**LEGEND**

H51 Huronian Siltstone/Mudstone	⊙ RC Drill Hole Location
○ Outcrop	--- RC Road
⌵ Swamp/Wet Ground	/ Strike & Dip
~ Standing Water	↖ Glacial Striation Direction
41.9.11 Steep Slope	⬤ Claim Post
0.26 Magnetic Susceptibility Reading (1x10 <sup>3</sup> SI units)	

**SUDBURY CONTACT MINES LTD.**

Geology of Grid 96-1  
Lundy Twp. Project #216

Scale:	Date:	Drawn By:
1:2500	June 15 <sup>th</sup> , 1996	LMJ

