



42A05NE0056 W9560-00317 WHITESIDES

010

**Report on the Stripping and Trenching Program  
Dea-Barnes Option (P.N. 8248-8249)  
Carscallen and Whitesides Townships**

**M. S. Collison  
Field Geologist  
Falconbridge Limited  
Timmins Exploration**



42A05NE0056 W9560-00317 WHITESIDES

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## **1.0 Introduction:**

The Dea-Barnes property is located in east central Whitesides and west central Carscallen Townships. The property is situated at the southern boundary of the Kamiskotia assemblage and contains units of both the Kamiskotia assemblage and the Carscallen assemblage. Numerous strong AEM conductors are located within the property boundary.

A grass roots exploration program consisting of line cutting, magnetic and HLEM geophysical surveys, and a geological mapping survey was carried out in the spring and summer of 1994. The geophysics survey identified 13 conductive horizons. The geological survey was successful in identifying and testing the probable conductors in all but one of these cases. The remaining conductor is located under a cedar swamp and has been tested by drilling by Mespri Mines Ltd. in 1967. Mineralization discovered is pyrite and pyrrhotite related to iron formation. One low grade Cu-Zn showing was discovered in the western portion of the property, hosted by iron formation.

Based on the results of the exploration program, two areas were chosen for follow-up programs of mechanical stripping, geological mapping and sampling. Site one is located in Whitesides Township, on unpatented claim number 1182867, approximately 60m west of Camp Six Lake. Site two is located in Carscallen Township, on unpatented claim number 1190596. Work was carried out under MNR work permit TI-1206/94, amendment 94.09.12. Stripping was carried out under contract by Larchex Incorporated. Work was supervised by M. Collison of Falconbridge Limited.



## **2.0 Whitesides Township Stripping - Dea Option (P.N. 8248) - Claim Number 1182867**

### **2.1 Introduction:**

Mechanical stripping of the site of the Cu-Zn anomaly located at grid coordinates 12+25 E, 21+08 N was done during September, 1994. The stripping program was planned to determine the nature and orientation of the host lithology and the extent of Cu-Zn mineralization. Six holes were previously drilled in the area by New Kelore Mines Ltd. in 1965. Drill core assumed to be from one of these holes was found on L 12 E at 21+60 N.

Stripping was conducted by Larchex Inc., using a 690 John Deere B Excavator, between September 22 and 24, 1994. Access to the area was by an existing drill road. An area of approximately 70 m by 20 m was stripped of shallow overburden, and power washed with a Wajax Mark 3 pressure pump. Hours worked and hourly rate for equipment and operators are shown on the contractor's invoice, included in Appendix 1 of this report. On September 30, Mike Collison and Greg Collins of Falconbridge Limited gridded the stripped outcrop at 5m intervals, tied into the existing property grid. Mapping and sampling of the outcrop was conducted September 30 and October 1, 1994.

### **2.2 Geology and Geochemistry:**

The outcrop area was mapped at 1:250 scale. A geology map is provided as Fig. 1 of this report.

The geologic mapping indicates a structurally complex horizon which has undergone multiphase deformation and been intruded by both mafic and felsic units. Chert-magnetite banded iron formation forms the marker horizons defining the structure. The bedding orientation is at a marked variance with the generally east-west orientation noted for the rest of the property. Although the parasitic "M" (or "W") folds noted in the iron formation horizon might suggest that this is the centre of a regional antiform (or synform), property scale lithology and stratigraphy do not appear to support this interpretation, and it is therefore concluded that this structure is of local scale, akin to the synformal structure noted in northeastern Carscallen.



Interference structures such as the basin structure in the centre of the outcrop and smaller structures such as foliation intersection lineations demonstrate the multiphase nature of the deformation. Structural analysis is hampered by the inability of accurately determining strike and dip due to the magnetic nature of the marker horizon.

Sample numbers and locations are shown on Fig. 1. Analyses are included in Appendix 2 of this report. Note that sample AR01370 is an internal geochemical standard, and not a sample from this outcrop. No common geochemical indicators of VMS style alteration (e.g. Na depletion) were noted in the samples. Whole rock geochemistry demonstrates that the mapped mafic volcanics at the western portion of the outcrop have andesite characteristics. Although the observed fracture controlled silicification and biotite alteration may be responsible for the present chemistry, immobile element ratios are markedly different in this unit than in the pillowed mafic volcanics at the east side of the outcrop.

### **2.3 Mineralization:**

Trace chalcopyrite was noted during sampling. All observed Cu mineralization was confined to hairline fractures within the iron formation. No sphalerite was observed, but the Zn assays indicate its presence. It is probable that sphalerite occurs with pyrite and pyrrhotite within the magnetite rich bands of the iron formation, and was not observed due to the quantity and the grain size. Base metal contents and mineralization morphology are consistent with remobilization of Cu-Zn during deformation and/or post depositional magmatic intrusive events.

### **2.4 Discussion:**

In light of the weak levels of mineralization, the constraint of the mineralization to fractures within BIF, the generally less than 1m true thickness of the mineralized horizon, the structural complexity of the horizon, the lack of VMS associated alteration in the underlying (?) mafic rocks and the fact that both felsic and mafic intrusions appear to have disrupted the horizon, potential for a VMS deposit in this area is very low. No further work is planned at this location.



## **2.5 Conclusions and Recommendations:**

Potential for economic Cu-Zn mineralization is considered to be very low for this area. No further work is planned.



### **3.0 Carscallen Township Stripping - Barnes Option (P.N. 8248) - Claim Number 1190596**

#### **3.1 Introduction:**

Two shallowly buried outcrops in close proximity to each other were chosen for a mechanical stripping program in Carscallen Twp. The northern location was centred on the eastern slope of a low ridge located just west of L 43 E, 50 m north of the Base Line. The purpose of stripping this area was to expose the eastern extension of a sulphide horizon interpreted to be sulphide facies iron formation. Geophysical data (Mag, HLEM) indicates that this horizon ends east of L 43 E.

The southern location was centred on the northern edge of a low ridge which extends to the logging road. A sample taken from this location during the geologic mapping program and interpreted to be from a mineralized pillow selvage, contained anomalous Zn levels. This area was stripped to test for mineralization or VMS associated alteration in the mafic horizon underlying the known conductors.

Stripping was done by Larchex Inc. using an S1 Muskeg mounted backhoe over a three day period (September 23, 24, and 26, 1994). Access to both outcrops was by existing logging road. Stripped outcrop was power washed with a Honda High-pressure pump. Hours worked and hourly rate for equipment and operators are shown on the contractor's invoice, included in Appendix 1 of this report.

Subsequent investigation determined that the northern end of the stripped area had not exposed bedrock, but had only penetrated to a plinthite (ironstone hardpan) caprock over lateritic-type residual quartz sand. A series of shallow pits were blasted through this horizon to attempt to expose the underlying sulphide horizon. Drilling and blasting of shallow pits (up to 1m depth) was conducted by Larchex Inc. on October 12 and 13, 1994. Hours worked, equipment used and hourly rate are itemized on the contractor's invoice included in Appendix 1 of this report. Mike Collison and Andre Taillefer of Falconbridge Limited mucked out the blasted pits on October 17, 1995.

Mike Collison extended the existing grid over the stripped outcrops on 5m intervals on October 22, 1995. Mapping at 1:250 scale and sampling of the outcrops and pits was conducted by Mike Collison on October 23 and 25, 1995. For safety purposes, the deeper pits in the plinthite were filled after sampling.



### **3.2 Geology and Geochemistry:**

A map of the stripped outcrops including sample locations is included in this report as Fig. 2. Analyses are included in Appendix 2.

Bedding orientations in banded iron formation outcrops at the northern end of the outcrop show a north-northwest strike direction, compared with an east-southeast strike for outcrop in the centre and southern portions of the outcrop. Microstructures are consistent with brittle-ductile deformation. The extreme weathering noted by the presence of a plinthite caprock of up to 10 cm thickness, limonite-goethite fracture filling to 1cm width, and laterite and saprolite-like horizons to a depth of 1m below the caprock, is not consistent with weathering effects observed over the rest of the property. This observation implies higher water-rock ratios in this area than is common for the property as a whole. All of these observations are consistent with the inferred presence of a north trending fault with a dextral slip component located in the low lying ground between the two stripped outcrops.

Assays from the sulphide bearing horizons contain only background levels of Cu and Zn. Whole rock geochemical analyses from the underlying mafic volcanics do not indicate hydrothermal alteration consistent with a VMS model.

### **3.3 Mineralization:**

The mineralized horizon consists of pyrite-pyrrhotite-magnetite layers interbedded with chert. Textures in hand specimen suggest replacement of magnetite by pyrite-pyrrhotite, although ductility contrasts during deformation may account for this. No base metal mineralization was observed.

### **3.5 Discussion:**

The geophysical conductor in this area has been determined as sulphide facies iron formation (or sulphidized oxide facies iron formation). The termination of the geophysical conductor is interpreted to be due to a fault structure and the destruction of sulphide by interaction with fluids traversing this structure.





There is no evidence of base metal mineralization associated with this horizon. There is no evidence in the underlying units of any base metal associated hydrothermal alteration. Although fresh sulphides could not be found to a depth of 1m below the caprock in the central pits, further trenching to attempt to expose fresh rock is not felt to be warranted in light of the low levels of base metals in both the saprolitic and fresh samples taken, and the lack of VMS hydrothermal alteration indicators in the underlying rocks.

### **3.6 Conclusions and Recommendations:**

No base metal mineralization has been found at this location. No further work is recommended.



#### 4.0 Statement of Costs:

##### Contractor Expenses :

Larchex Inc.	
Mechanical Stripping	\$ 6990.85
Drilling and Blasting	\$ 1690.39

Swastika Laboratories	
Whole Rock Analyses (20 @ \$14.50/sample)	\$ 290.00
Geochemical Assays (11 @ \$ 9.50/sample)	\$ 104.50
Sample Preparation (30 @ \$ 3.00/sample)	\$ 90.00
G.S.T.	\$ 33.92

##### Falconbridge Limited Direct Expenses:

Wages:	
M. Collison (10 Days @ \$200.00/day)	\$ 2000.00

Assistants:	
Greg Collins ( 2 Days @ \$ 200.00/day)	\$ 400.00
Andre Taillefer (1 Day @ \$200.00/day)	\$ 200.00

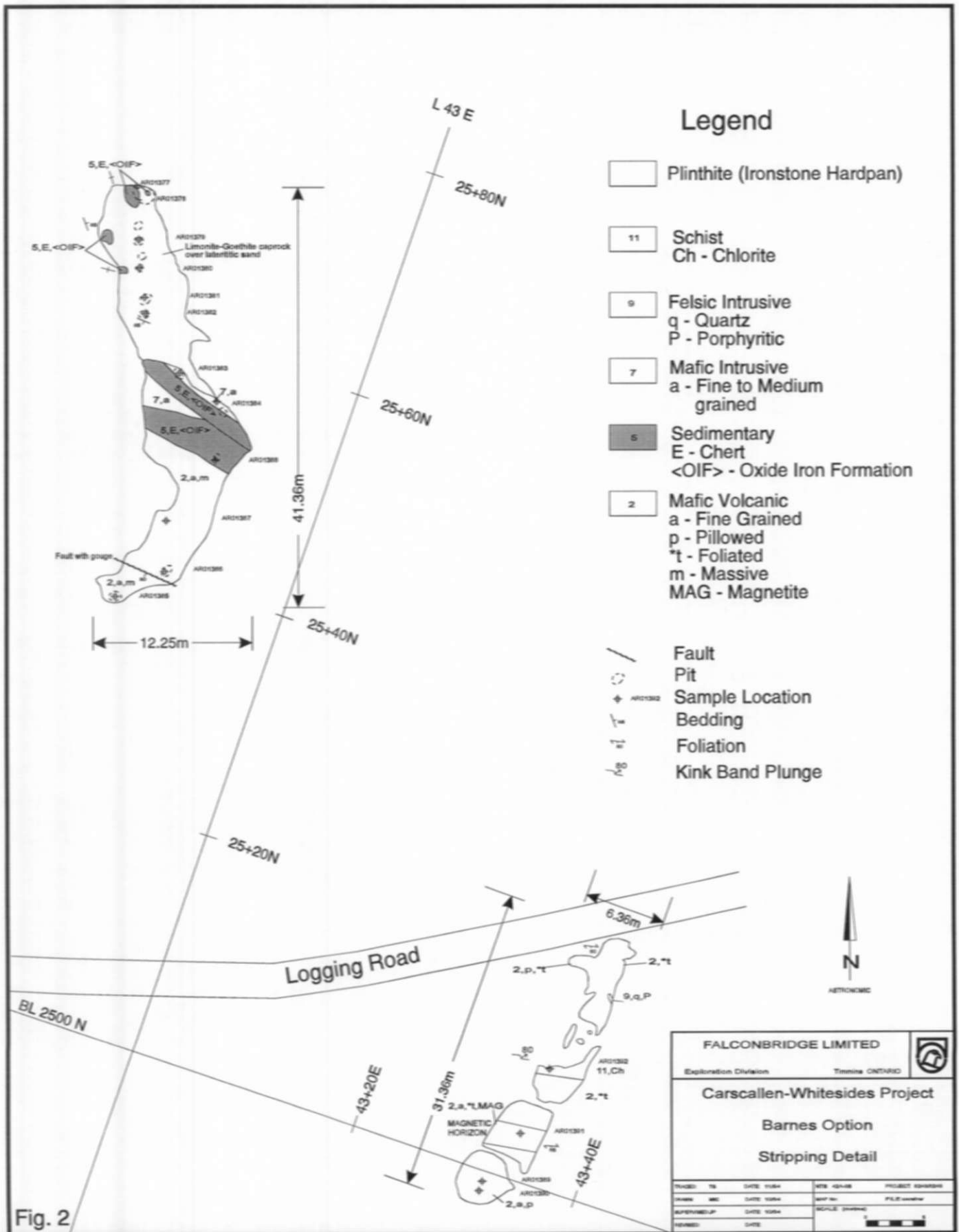
Truck Rental (10 Days @ \$ 20.00/day)	\$ 200.00
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Total Expenses:	\$ 11,999.66
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Disposition:	
Claim 1182867	\$ 5372.91
Claim 1190596	\$ 6626.75







<b>FALCONBRIDGE LIMITED</b>		
Exploration Division	Timmins ONTARIO	
<b>Carscallen-Whitesides Project</b>		
<b>Barnes Option</b>		
<b>Stripping Detail</b>		
DRAWN: TS	DATE: 11/88	SITE: 43+40E
CHECKED: MJC	DATE: 1/89	PROJECT: 43+40E
SUPERVISED: J.P.	DATE: 1/89	SCALE: 1:1000
REVISED:	DATE:	SCALE: 1:1000

**Appendix 1**  
**Contractor Invoices**





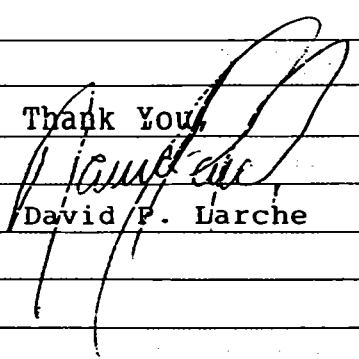


**LARCHEX Inc.**  
**MINING EXPLORATION**  
 PHONE 268-7793 FAX 268-6225

Office: 74 Roblin Ave.  
 Mailing: P.O. Box 1394  
 Timmins, Ontario P4N 7N2

142

FALCONBRIDGE LIMITED DATE OF INVOICE: Oct. 14 1994  
 John Pattison Project Geologist CUSTOMER NO:  
 P.O. Box 1140 571 Moneta ave Timmins Ont.

Invoice Re: Drilling and Blasting on your Dea-Barnes		
Option Project #8248/8349 OCT 12,13 1994		
Operators X 2 X 2days X9hr and7hr days X \$27.per	32hr	\$864.00
Pionjar Rock Drill and steel and bits 3unit days	X65per	\$195.00
Explosives 1.5 case C I L Giant geleton 70%	153.Case	\$229.50
B LINE 200 Meter of a 300M spool	\$220.00	\$145.20
2 2meter Fuse X\$4. per		\$8.00
Handling Charge		\$45.00
Sub total		\$427.70
3% security deposit		12.83
Sub total		\$440.53
10% expiditor Larchex		\$44.05
Explosive total		\$484.58
Total		\$1543.58
G.S.T.		\$108.05
Grand Total		\$1651.63
P.S.T. on explosives		\$ 38.76
Total Invoice		\$1690.39
Thank You		
		
David P. Larche		

Terms: Net 15 days - 2% interest per month (24% per anum) charged on overdue accounts.

**Appendix 2**  
**Geochemical Analyses**







Established 1928

# Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

## Geochemical Analysis Certificate

4W-2487-RG1

Company: **FALCONBRIDGE LTD (EXPLORATION)**

Date: OCT-17-94

Project: **8249 EXPL**

Attn:

*We hereby certify* the following Geochemical Analysis of 4 Rock samples submitted OCT-13-94 by G.Collins.

Sample Number	Au PPB	Cu PPM	Zn PPM	Pb PPM	Ag PPM	Ni PPM
ARO1373	21	786	2360	12	2.3	44
ARO1374	7	1040	1680	92	1.7	56
ARO1375	3	337	768	7	0.6	47
ARO1376	24	171	4190	13	3.1	54

Certified by

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244

FAX (705) 642-3300

FALCONBRIDGE EXPLORATION LTD.

ATTN:

Proj: 8249

4W-2486-R01

TSL/ASSAYERS Laboratories

1270 FEMSTER DRIVE, UNIT 3 MISSISSAUGA, ONTARIO L4V 1N7  
 PHONE #: (905) 602-8236 FAX #: (905) 206-0513

I.C.A.P. WHOLE ROCK ANALYSIS

Lithium Metaborate Fusion

**RECEIVED**  
 OCT 20 1994  
 REPORT NO. : M4025  
 FILE NO. : OCT19A  
 No. : 1 of 1  
 Date : OCT-19-1994

Oxides in % - Minors ppm

SAMPLE #	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Cr2O3 %	Zr ppm	Y ppm	Cu ppm	Zn ppm	Ni ppm	Co ppm	LOT %	TOTAL %	S ppm
ARO1362	56.44	15.18	10.23	7.83	4.01	1.96	0.80	1.13	0.16	0.24	0.135	124	32	65	115	80	35	1.43	99.41	4000
ARO2363	54.29	17.32	9.90	8.26	3.49	2.27	1.62	0.93	0.17	0.20	0.130	108	20	50	160	110	30	1.99	100.46	5800
ARO1364	55.76	15.19	9.04	8.38	5.29	1.65	1.46	1.21	0.19	0.20	0.085	114	22	30	65	65	30	2.39	100.75	1300
ARO1365	56.25	15.64	9.00	7.26	4.75	2.17	1.48	1.29	0.18	0.22	0.190	128	28	30	80	85	30	2.46	100.68	1500
ARO1366	71.92	11.13	4.83	3.48	0.75	1.47	1.82	0.28	0.15	0.12	0.150	336	62	20	120	50	10	1.76	97.70	1800
ARO1367	64.10	16.28	6.39	3.07	1.91	3.89	1.80	0.90	0.13	0.30	0.095	196	32	20	75	50	5	2.12	100.89	3200
ARO1368	64.41	15.05	7.36	4.05	2.29	3.31	1.22	0.84	0.10	0.28	0.115	162	28	25	70	10	15	0.85	99.74	400
ARO1369	57.21	17.97	7.84	7.89	3.57	2.58	1.10	0.96	0.12	0.18	0.090	132	20	45	80	75	15	1.27	100.68	1500
ARO1370	72.64	11.90	2.92	0.23	0.54	1.30	6.96	0.24	0.03	0.06	0.045	290	120	30	90	55	5	1.03	97.85	300
ARO1371	71.89	12.85	4.25	1.87	0.35	3.70	1.44	0.32	0.08	0.08	0.140	362	62	25	70	35	5	1.17	98.01	1500
ARO1372	57.10	18.93	7.80	6.11	3.30	2.66	1.30	0.86	0.13	0.18	0.125	118	20	35	85	35	5	2.50	100.89	6700

TSL/94

SIGNED :

*[Signature]*

**FALCONBRIDGE EXPL. LTD.**

ATTN: MIKE COLLISON

PROJ: 8248 EXPL

4W-2681-RO1

**TSL/ASSAYERS Laboratories**

1270 PEWSTER DRIVE, UNIT 3 MISSISSAUGA, ONTARIO L4W-1A4

PHONE #: (905)602-8236

FAX #: (905)206-0513

**I.C.A.P. WHOLE ROCK ANALYSIS**

Lithium Metaborate Fusion

**RECEIVED**  
 NOV 4 1994  
 TSL/ASSAYERS  
 REPORT NO. : M4106  
 PAGE No. : 1 of 1  
 DATE : NOV-03-1994  
 Oxides in % - Minors ppm

SAMPLE #	SiO2 %	Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	TiO2 %	MnO %	P2O5 %	Cr2O3 %	Zr ppm	Y ppm	Cu † ppm	Zn ppm	Ni ppm	Co ppm	LOI %	TOTAL %	S ppm
AR01383	62.35	1.49	19.30	2.34	3.11	0.10	0.14	0.10	0.96	<0.02	0.080	56	8	30	10	40	20	8.35	98.25	81500
AR01384	51.08	13.16	16.30	7.96	5.10	2.37	0.16	1.46	0.46	0.18	0.035	102	26	< 5	40	50	35	2.53	100.77	6200
AR01385	47.71	11.65	23.11	6.73	5.32	1.52	0.66	0.51	1.23	0.10	0.030	104	14	< 5	20	55	15	1.93	100.45	1600
AR01386	53.71	15.27	15.91	2.02	4.31	4.02	0.28	0.67	0.80	0.16	0.040	104	16	< 5	25	65	10	3.04	100.19	500
AR01387	45.13	7.67	29.77	5.37	4.55	0.71	0.52	0.34	1.01	0.06	0.025	78	14	45	20	30	30	5.61	100.75	25000
AR01389	53.27	14.18	15.94	4.34	3.90	3.54	0.16	0.58	0.70	0.12	0.025	102	18	< 5	10	80	15	3.97	100.69	1700
AR01390	50.06	11.51	24.57	2.14	3.45	2.06	0.76	0.55	0.77	0.12	0.020	96	16	45	< 5	20	10	4.97	100.96	3800
AR01391	26.20	4.51	52.56	1.82	4.18	0.11	0.58	0.22	1.37	0.04	0.010	80	12	45	< 5	10	< 5	9.10	100.69	8500
AR01392	53.72	12.00	18.10	1.53	5.06	1.95	0.24	0.81	0.80	0.12	0.025	84	20	< 5	45	40	20	5.44	99.76	5700

TSL/94

SIGNED :

*[Handwritten Signature]*



# Swastika Laboratories

A Division of TSL/Assayers Inc.

Established 1928

Assaying - Consulting - Representation

## Geochemical Analysis Certificate

4W-2680-RG1

Company: **FALCONBRIDGE LTD (EXPLORATION)**

Date: NOV-01-94

Project: 8248 EXPL

Att: M. Collison

We hereby certify the following Geochemical Analysis of 7 Rock samples submitted OCT-27-94 by .

Sample Number	Au PPB	Cu PPM	Zn PPM	Pb PPM	Ag PPM	Ni PPM
AR-01377	<2	33	25	25	0.4	38
AR-01378	7	25	45	2	0.1	34
AR-01379	<2	148	16	4	0.6	56
AR-01380	<2	73	132	15	1.0	60
AR-01381	3	84	211	3	0.4	80
AR-01382	10	96	116	5	0.5	60
AR-01388	3	130	31	1	0.6	74

Certified by

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244

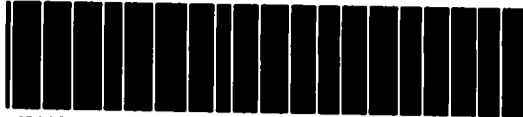
FAX (705) 642-3300

**Report of Work Conducted After Recording Claim**

Transaction Number  
**W9560.00317**

**Mining Act**

Personal information collected on this form is obtained under the authority of the Mining Act. This collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Sudbury, Ontario, P3E 6A5, telephone (705) 870-7284.



900

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

Recorded Holder(s) <b>FALCONBRIDGE LIMITED</b>		Client No. <b>130 679</b>
Address <b>P.O. BOX 1140, 571 MONETA AVE, TIMMINS, ONT. P4N 7H9</b>		Telephone No. <b>(705) 267-1188</b>
Mining Division <b>PORCUPINE</b>	Township/Area <b>CARSCANEN - WHITESIDES</b>	M or G Plan No.
Date Work Performed	From: <b>SEPTEMBER 22, 1994</b>	To: <b>OCTOBER 25, 1994</b>

**Work Performed (Check One Work Group Only)**

Work Group	Type
<input type="checkbox"/> Geotechnical Survey	
<input checked="" type="checkbox"/> Physical Work, including Drilling	<b>MECHANICAL STRIPPING, BLASTING, TRACKING</b>
<input type="checkbox"/> Rehabilitation	
<input type="checkbox"/> Other Authorized Work	
<input type="checkbox"/> Assays	
<input type="checkbox"/> Assignment from Reserve	

**RECORDED**

**JUL 19 1995**

Receipt \_\_\_\_\_

Total Assessment Work Claimed on the Attached Statement of Costs \$ ~~11,999.66~~ **12000** *all*

**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
<b>MIKE COLLISON</b>	<b>P.O. BOX 1140, 571 MONETA AVE, TIMMINS, ONT. P4N 7H9</b>
<b>LARUE INC.</b>	<b>74 ROBIN AVE, TIMMINS ONT, P4N 7N2</b>
<b>SWASTIKA LABS</b>	<b>P.O. BOX 10, SWASTIKA, ONT. P0K 1T0</b>

(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 <b>19 July 95</b>	Recorded Holder or Agent (Signature) <i>[Signature]</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 <b>MIKE COLLISON, P.O. BOX 1140, 571 MONETA AVE, TIMMINS, ONT. P4N 7H9</b>		
Telephone No. <b>(705) 267-1188</b>	Date <b>19 July 1995</b>	Certified By (Signature) <i>[Signature]</i>

**For Office Use Only**

Total Value Cr. Recorded <b>\$12,000.</b>	Date Recorded	Mining Recorder <i>[Signature]</i>	<div style="border: 2px solid black; padding: 5px; font-weight: bold; font-size: 1.2em;">RECEIVED</div> <p>(c) <b>JUL 19 1995</b></p> <p><i>[Initials]</i> 2:15 PORCUPINE MINING DIVISION</p>
Deemed Approval Date <b>Oct 18, 1995</b>	Date Approved <b>Sept 13/95</b>		
Date Notice for Alterations Sent			





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  
**W9560.00317**

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) 670-7284.

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<sup>e</sup> étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7284.

**1. Direct Costs/Coûts directs**

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre	1600	
	Field Supervision Supervision sur le terrain	1000	2600
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert- conseil	Type STRIPPING		
	LARNEY INC.	6990.85	
	LARNEY INC.	1690.38	
	AGSAYS	518.42	9199.66
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
<b>Total Direct Costs Total des coûts directs</b>			<b>11799.66</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	200	
<b>Sub Total of Indirect Costs Total partiel des coûts indirects</b>			<b>200</b>
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
<b>Amount Allowable (not greater than 29% of Direct Costs) Montant admissible (n'excedant pas 29 % des coûts directs)</b>			
<b>Total Value of Assessment Credit (Total of Direct and Allowable indirect costs)</b>		<b>Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles)</b>	<b>11999.66</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
	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 FIELD GEOLOGIST I 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 report 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 [Signature] Date 19 July 95

**REFERENCES**

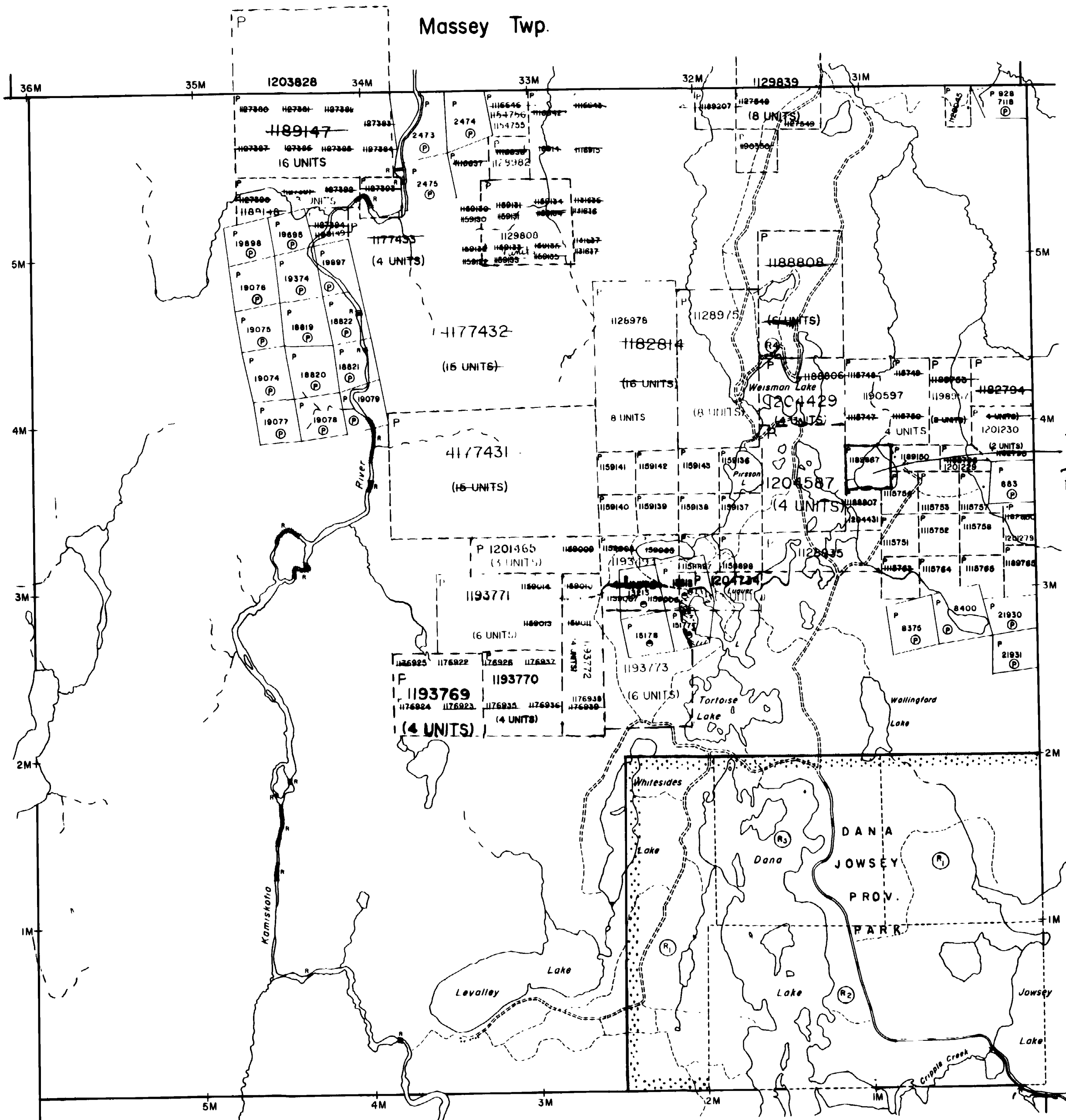
**AREAS WITHDRAWN FROM DISPOSITION**

Description	Order No	Date	Disposition	File
DANA AND JOWSEY LAKES PARK RES	SEC 36/80	W.88/83	S.L.D	171506
			M.R.O	
SEC 48/70		FEB. 3/86	M & S.R	171506
SEC 48/70		28/1/71	M & S.R.	171506

MINING AND SURFACE RIGHTS WITHDRAWN FROM PROSPECTING, STAKING OUT, SALE OR LEASE UNDER SECTION 35 OF THE MINING ACT R.S.O. 1990 ORDER NO. W-P 49/94 HER DATED 94-MAY-02

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

Bob K



PSTRIP PTRNCH

Carleton Twp.

**LEGEND**

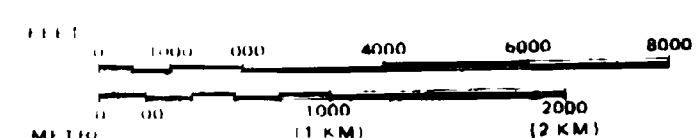
HIGHWAY AND ROUTE No	
OTHER ROAD	
TRAIL	
SURVEYED LINES	
TOWNSHIP, BASIS LINES ETC	
LOTS, MINING CLAIMS PARCELS ETC	
UNSURVEYED LINES	
LOT LINE	
PARCEL BOUNDARY	
MINING CLAIMS ETC	
RAILWAY AND RIGHT OF WAY	
UTILITY LINES	
NON PERENNIAL STREAM	
FLOODING OR FLOODING RIGHTS	
SUBDIVISION OR COMPOSITE PLAN	
RESERVATIONS	
ORIGINAL SURVEY LINE	
MARSH OR MUSKIEG	
MINES	
TRAVEL MEASUREMENT	

**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	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

LANDS PATENTED PRIOR TO MAY 8, 1912 VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT R.S.O. 1970 CHAP 380, SEC 63, SUBSEC 1

SCALE 1 INCH = 40 CHAINS



TOWNSHIP

**WHITESIDES**

M.N.R. ADMINISTRATIVE DISTRICT  
TIMMINS  
MINING DIVISION  
PORCUPINE  
LAND TITLES / REGISTRY DIVISION  
COCHRANE



Date FEBRUARY 1985

ACTIVATED JUNE 30, 1992 BY DC

Number

**G-3230**



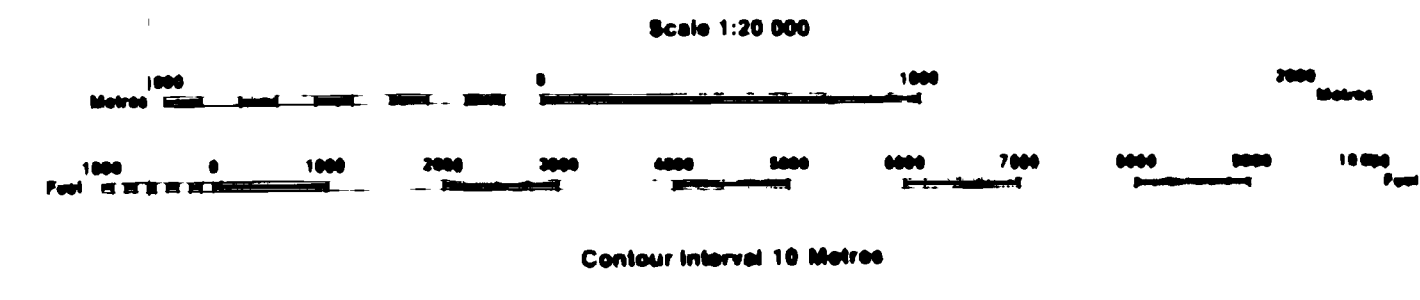


### INDEX TO LAND DISPOSITION

PLAN  
**G-3040**  
 TOWNSHIP

M.N.R. ADMINISTRATIVE DISTRICT  
**TIMMINS**  
 MINING DIVISION  
**PORCUPINE**  
 LAND TITLES/REGISTRY DIVISION  
**COCHRANE**

## CARSCALLEN



#### AREAS WITHDRAWN FROM DISPOSITION

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

Description	Order No.	Date	Disposition	File
AGGREGATE PERMIT			NOTICE RECEIVED JUNE 18, 1991	

#### SYMBOLS

- Boundary
  - Township, Meridian Baseline
  - Road allowance surveyed
  - storeline
  - Lot/Concession surveyed
  - unsurveyed
  - Parcel surveyed
  - unsurveyed
  - Right-of-way road
  - railway
  - utility
- Reservation
- Clim. 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

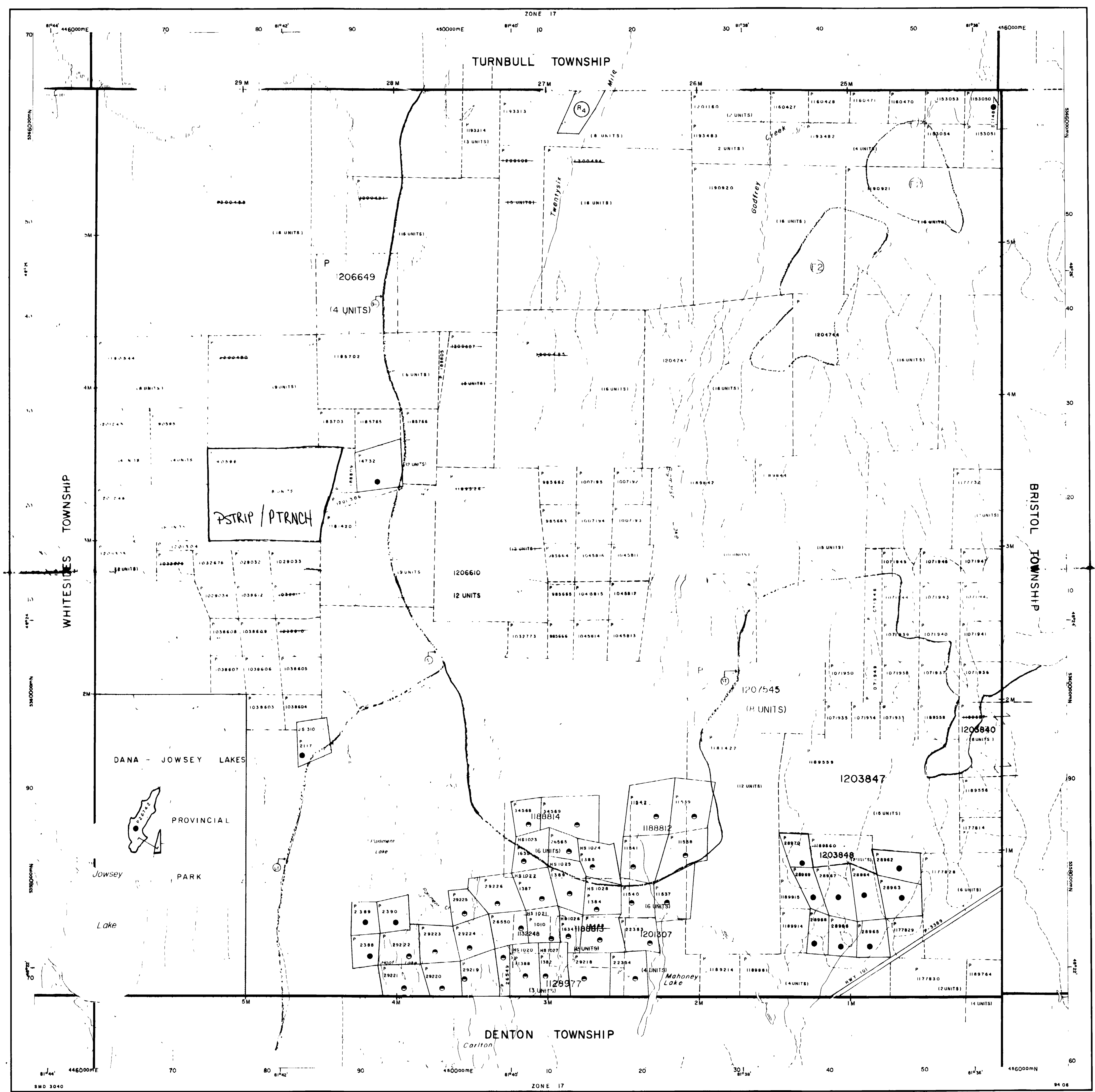
#### DISPOSITION OF CROWN LANDS

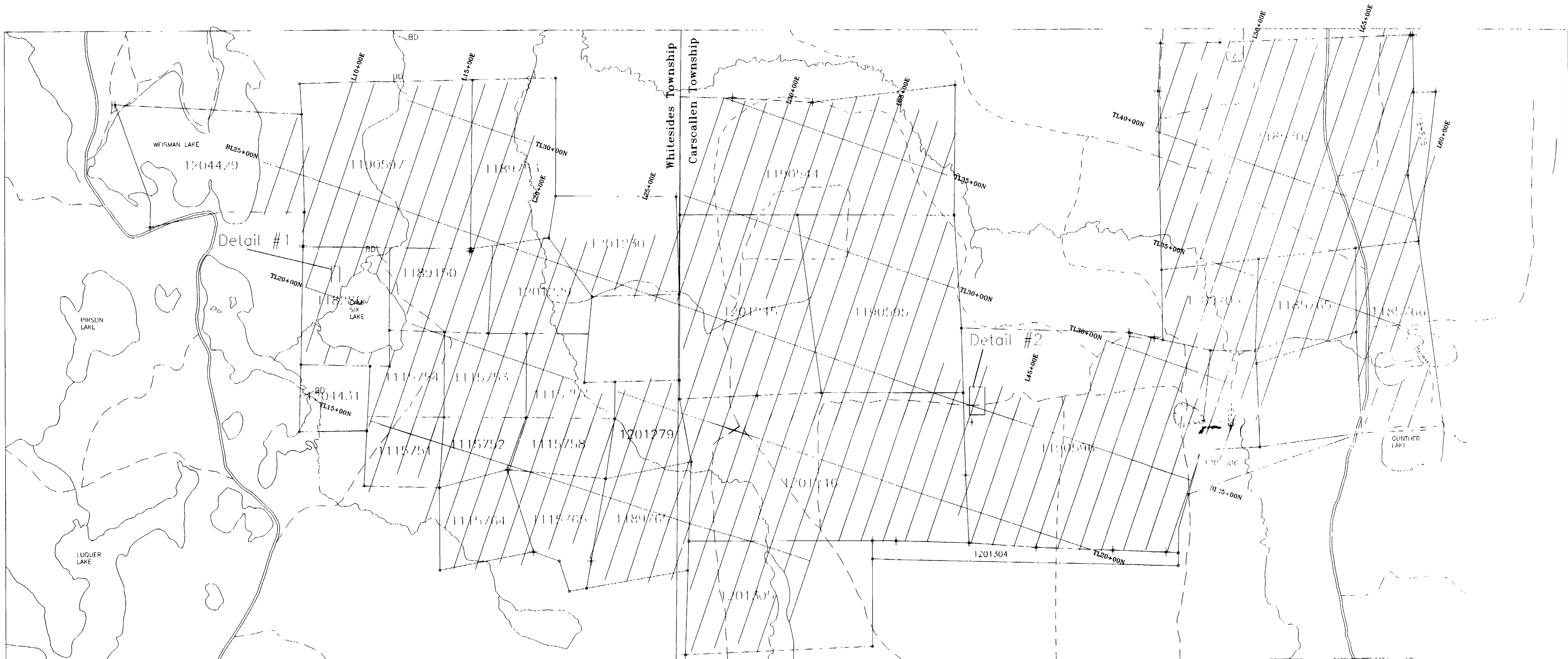
- Patent
  - Surface & Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Lease
  - Surface & Mining Rights
  - Surface Rights Only
  - Mining Rights Only
- Licence of Occupation
- Order-in-Council
- Cancelled
- Reservation
- Sand & Gravel

ACTIVATED AUG 17/94, BY D.C.  
 CHECKED BY:

Map base and land disposition drafted 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





**Symbols**

- CONTACTS**
- Outer boundary (shown/level)
  - (hatched) Boundary (shown/level)
  - (dashed) Boundary (shown/level)
  - (dotted) Boundary (shown/level)
  - (dash-dot) Boundary (shown/level)
  - (long-dash) Boundary (shown/level)
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  - (cyrillic) Boundary (shown/level)
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  - (latin) Boundary (shown/level)
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- MEASUREMENTS**
- Bearing and distance
  - (hatched) Bearing and distance (shown/level)
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**PHYSICAL WORK**

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**CULTURAL AND PHYSIOGRAPHIC FEATURES**

- (hatched) Cultural and physiographic features (shown/level)
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- (other) Cultural and physiographic features (shown/level)



**LABOURER LIMITED**

Engineering Division      Toronto, ONTARIO

Carcallen Whitesides Project  
DETAILED PARTS OPTION  
DETAIL MAP LOCATION

DATE:	REV:	BY:	CHK:	APP:	PROJ:	SCALE: