

42A06SW0093 2.10229 THORNELOE

010

COMSTATE RESOURCES LTD.

GEOCHEMICAL ANALYSES

MINING CLAIMS

P832701, P871716, P871717

THORNELOE TOWNSHIP

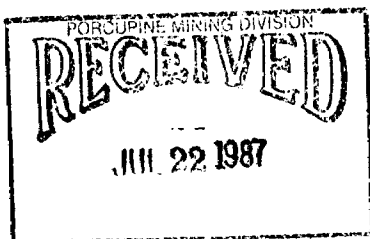
RECEIVED

JUL 23 1987

MINING LANDS SECTION

July, 1987

D.R. Pyke



Geochemical Analyses

Thorneloe Township

Enclosed are 91 geochemical analyses from drill core on claims P946115 (five samples, drill hole 617-1-86), P933333 (33 samples, drill hole 617-2-86) and P595030 (53 samples, drill hole 617-3-86). The logs of the above holes have previously been submitted. (File - T-3051)

Total cost of the analyses is \$1,069.86, which is equivalent to 71.32 days assessment credits. Sixty of the above credits are to be applied to claims P832701, P871716 and P871717; each claim to receive 20 days. The remaining 11.32 days are to be held in reserve.

Thank You,



D.R. Pyke

July 16, 1986



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 63775

Date: July 29th, 1986

Received July 23rd, 1985 5 Samples of Split Core

Submitted by Falconbridge Limited, Timmins, Ontario Project #705-617

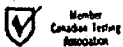
SAMPLE NO.	GOLD PPB
9801	10
9802	Nil
9803	Nil
9804	Nil
9805	Nil

Hole - 617-1-86

Per *G. Lebel*

G. Lebel - Manager

ESTABLISHED 1928





SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Hole # 617-2-86

Certificate No. 63895

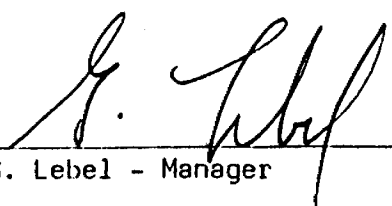
Date: August 12th, 1986

Received August 5th, 1986 33 Samples of Split Core

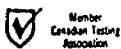
Submitted by Falconbridge Ltd., Timmins, Ontario

proj#705-617

SAMPLE NO.	GOLD PPB	SAMPLE NO.	GOLD PPB
9806	30	9823	Nil
9807	30/60	9824	10
9808	Nil	9825	Nil
9809	Nil	9826	Nil
9810	Nil	9827	Nil
9811	20	9828	Nil
9812	Nil	9829	Nil
9813	Nil	9830	Nil
9814	Nil	9831	Nil
9815	20	9832	Nil
9816	Nil	9833	Nil/10
9817	Nil	9834	Nil
9818	Nil	9835	Nil
9819	Nil	9836	10
9820	10	9837	Nil
9821	10/10	9838	Nil
9822	Nil		

Per 
G. Lebel - Manager

ESTABLISHED 1928





SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Hole # 617-3-86

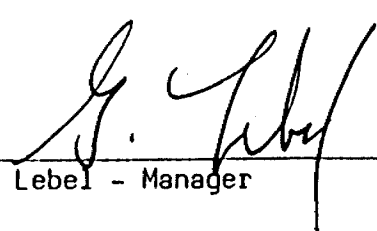
Certificate No. 63955

Date: August 18th, 1986

Received August 12th, 1986 53 Samples of Split Core

Submitted by Falconbridge Ltd., Timmins, Ontario Project #705-617

SAMPLE NO.	GOLD PPB	SAMPLE NO.	GOLD PPB	SAMPLE NO.	GOLD PPB
9839	20	9857	70	9875	50
9840	90	9858	30	9876	30
9841	190	9859	30	9877	70
9842	240	9860	130	9878	40
9843	490	9861	80	9879	40
9844	1720/2090	9862	20	9880	210/210
9845	40	9863	Nil	9881	20
9846	10	9864	Nil	9882	10
9847	790	9865	80	9883	Nil
9848	240	9866	50	9884	Nil
9849	2470/2220	9867	Nil	9885	30
9850	250	9868	130	9886	Nil
9851	260	9869	Nil	9887	Nil
9852	10	9870	Nil	9888	70
9853	160	9871	Nil	9889	Nil
9854	300	9872	Nil	9890	Nil
9855	40	9873	10	9891	Nil
9856	310/340	9874	Nil		

Per 
G. Lebel - Manager

ESTABLISHED 1928



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0 TELEPHONE: (705) 642-3244

13513

SOLD TO

Falconbridge Limited
301-979 rue de Bourgogne
Sts. Foy, Quebec
GLW 2LA

**S
H
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P
T
O**

1.5% late charge over 30 days
(annual rate 18%)

Att'n: D. Brochu

DATE	SHIPPED VIA	FED LICENCE NO	PROV LICENCE NO	YOUR ORDER NO	OUR ORDER NO	TERMS	Net	SALESMAN
July 31/86				705-617		Net 30 days		
QUANTITY	DESCRIPTION					UNIT PRICE	AMOUNT	
5	Au assays					\$ 8.50	\$ 42.50	
5	Sample Handling Cart. #63775 July 29, 1986					2.75	13.75	
						TOTAL.....	\$ 56.25	

SWASTIKA LABORATORIES LTD

PAID
AUG 25 / 86

WITH THANKS

PER *D. Gardner*

MOORE BUSINESS FORMS 3 7060E

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
ESTABLISHED 1928

FACTURE / INVOICE





SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0 TELEPHONE: (705) 642-3244

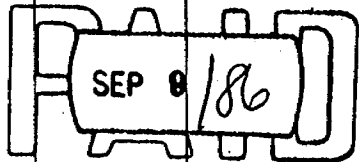
13572

SOLD TO

Falconbridge Limited
301---979 rue de Bourgogne
Ste.Foy, Quebec
GLW 2L4
Att'n: D. Brochu

**S
H
I
P
T
O**

1.5% late charge over 30 days
(annual rate 18%)

DATE	SHIPPED VIA	FED LICENCE NO	PROV LICENCE NO	YOUR ORDER NO	OUR ORDER NO	TERMS	SALESMAN
Aug. 15/86				705-617		Net 30 days	
QUANTITY	DESCRIPTION				UNIT PRICE	AMOUNT	
	Bus--as per attached					\$	23.80
33	Au assays				\$	8.50	280.50
33	Sample Handling					2.75	90.75
	Cert.#63895 Aug. 12, 1986						
	Bus--as per attached						22.30
SWASTIKA LABORATORIES LTD							
							
WITH THANKS							
PER <u>D. Gardner</u>							
TOTAL.....						\$	417.35

MOORE BUSINESS FORMS 3 7060E

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

FACTURE / INVOICE

ESTABLISHED 1928





SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0 TELEPHONE: (705) 642-3244

13634

SOLD TO

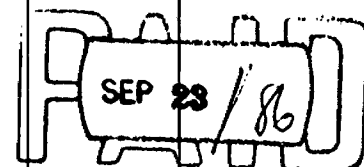
Falconbridge Limited
301-979 rue de Bourgogne
Ste. Foy, Quebec
G1W 2L4
Att'n: D. Brochu

SHIP TO

1.5% late charge over 30 day
(annual rate 18%)

DATE	SHIPPED VIA	FED LICENCE NO	PROV LICENCE NO	YOUR ORDER NO	OUR ORDER NO	TERMS	SALESMAN
Aug. 22/86				705-617		Net 30 days	
QUANTITY	DESCRIPTION				UNIT PRICE	AMOUNT	
53	Au assays				\$ 8.50	\$ 450.50	
53	Sample Handling Cert.#63955 Aug. 18, 1986				2.75	145.75	
TOTAL.....						\$	596.25

SWASTIKA LABORATORIES LTD



WITH THANKS

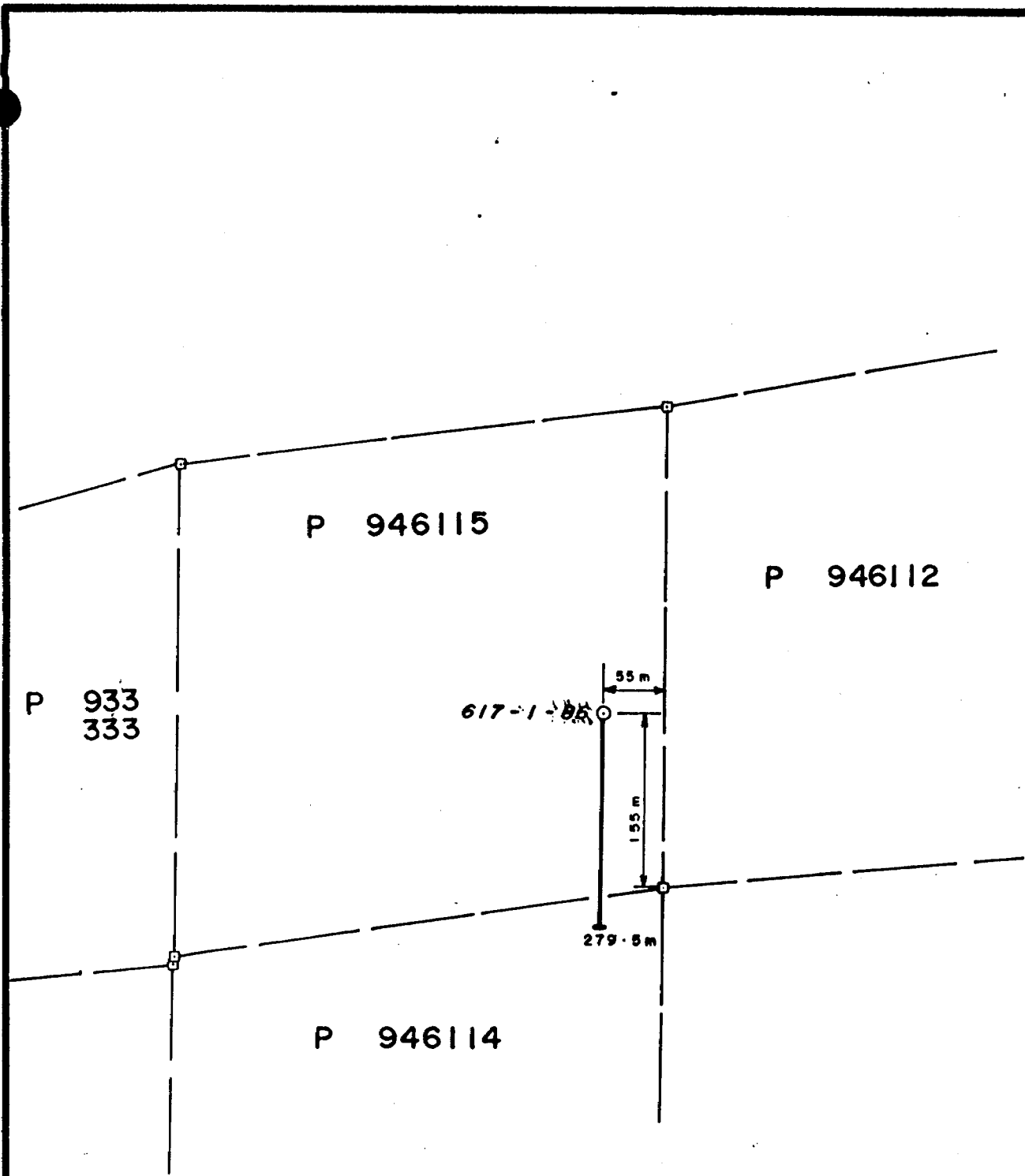
PER D. Gardner

MOORE BUSINESS FORMS 3 7060E

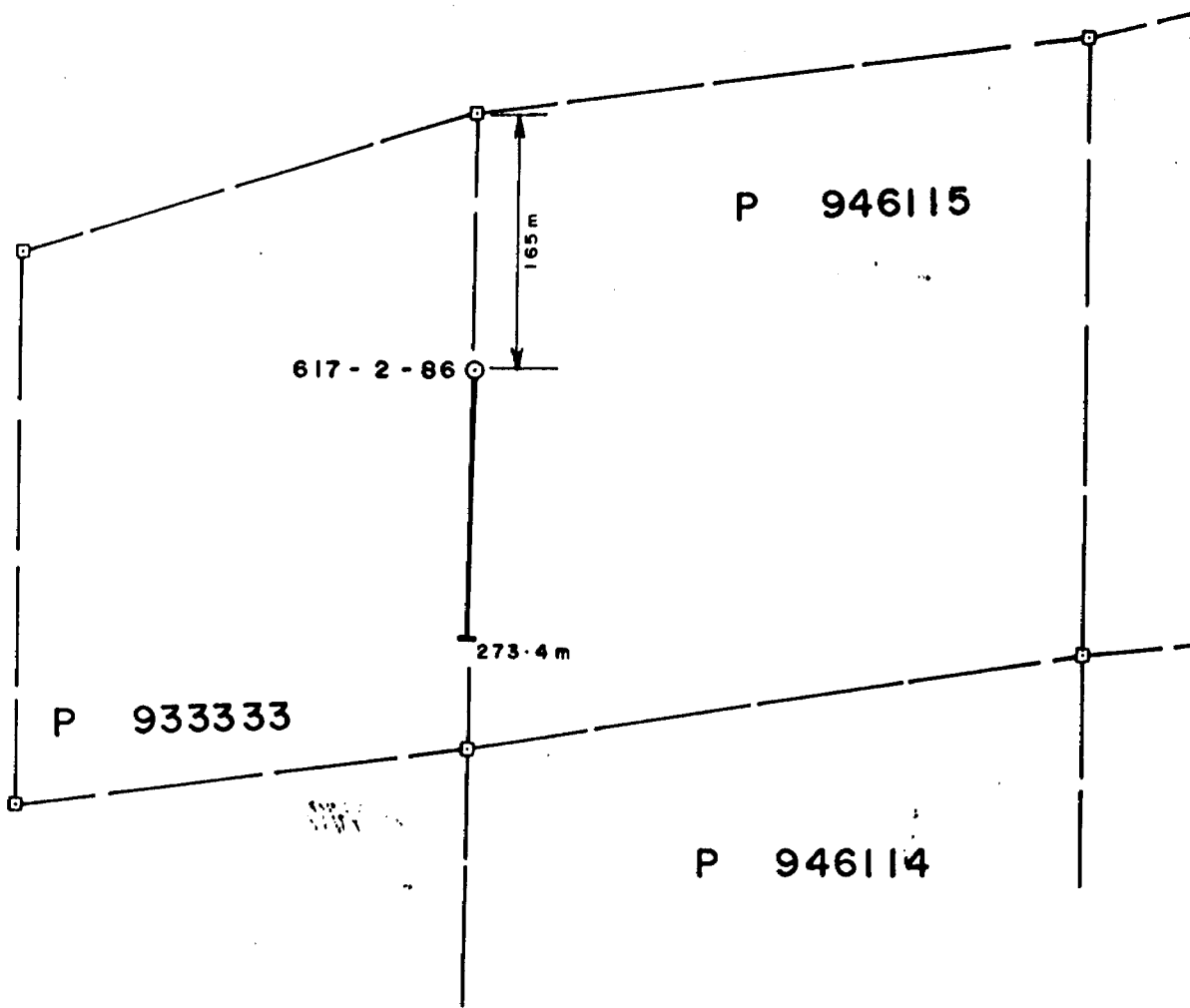
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS
ESTABLISHED 1928

FACTURE / INVOICE

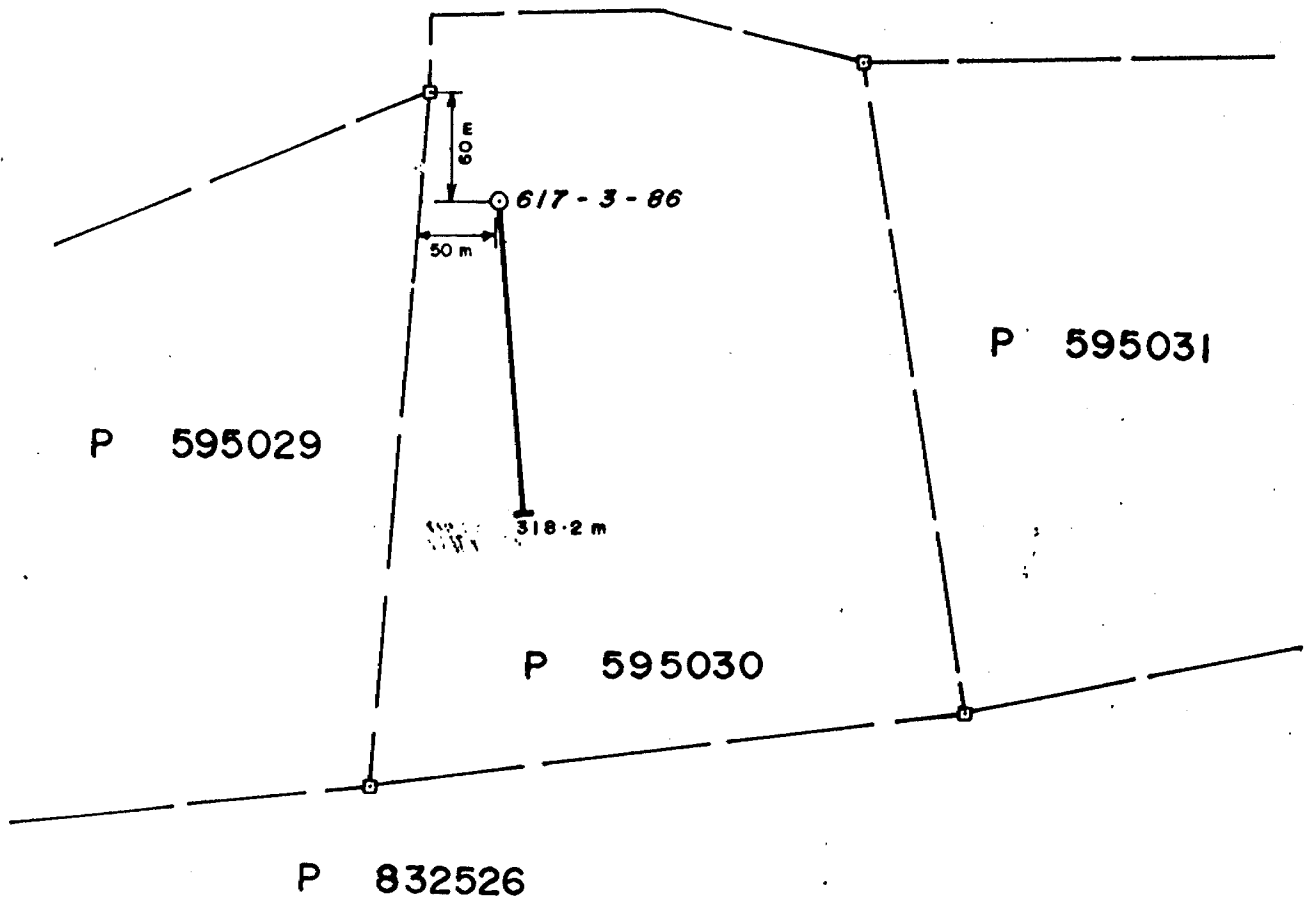




FALCONBRIDGE LTD.	
Exploration Division	Timmins, ONTARIO
THORNELOE PROPERTY COMSTATE OPTION THORNELOE Twp.	
DRILL PLAN DDH 617 - 1 - 86	
SCALE: 1 : 5,000	Date: DRC
Drawn: DEL	Project N ^o : 617 Date: 26 / 08 / 86

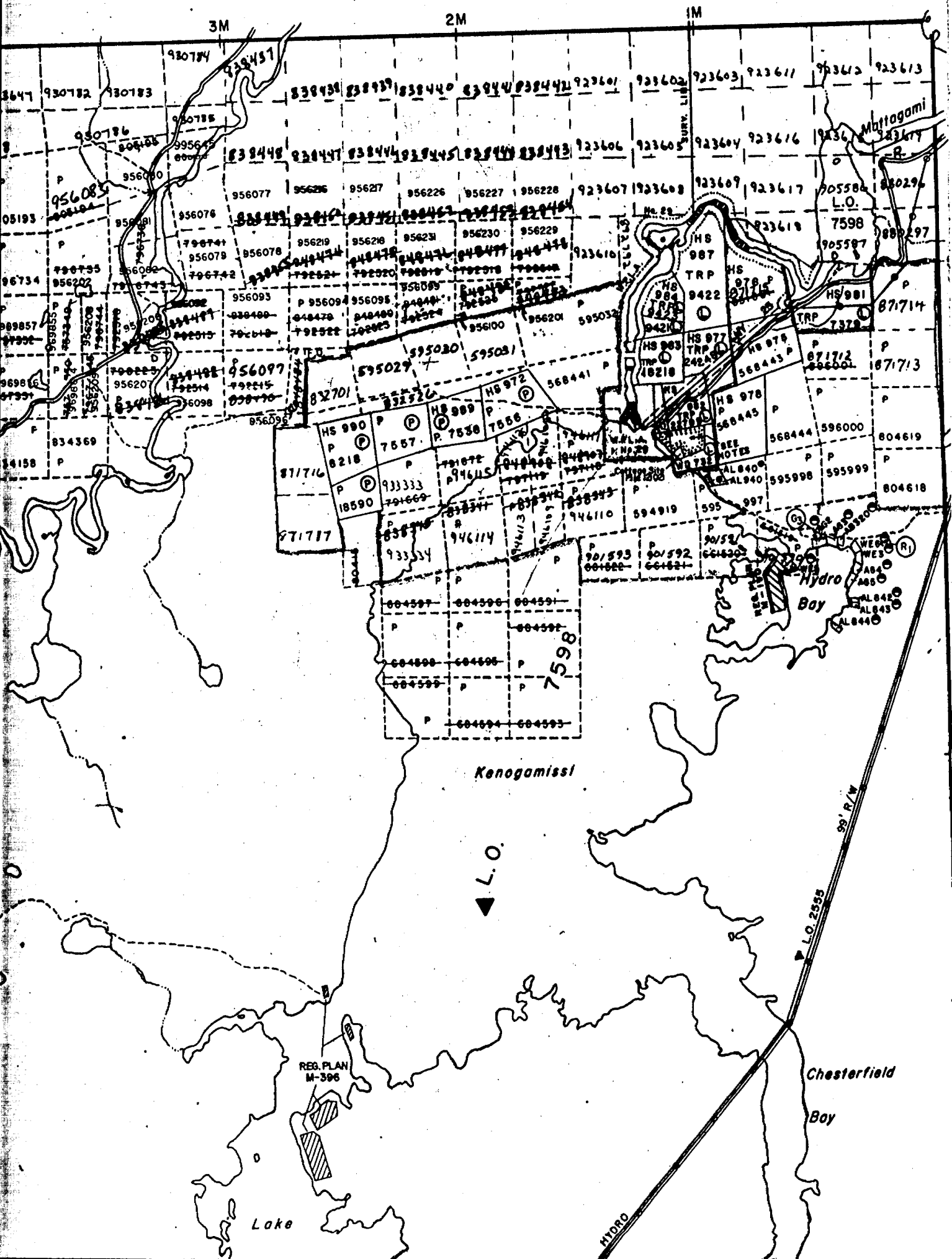


FALCONBRIDGE LTD.		
Exploration Division		Timmins, ONTARIO
THORNELOE PROPERTY COMSTATE OPTION THORNELOE Twp.		
DRILL PLAN DDH 617 - 2 - 86		
SCALE: 1 : 5,000	Date: DRC	
Drawn: DEL	Project N ^o : 617	Date: 26 / 08 / 86



FALCONBRIDGE LTD.	
Exploration Division	Timmins, ONTARIO
THORNELOE PROPERTY COMSTATE OPTION THORNELOE Twp.	
DRILL PLAN DDH 617 - 3 - 86	
SCALE: 1 : 5,000	Date: DRC
Drawn: DEL	Project N ^o : 617 Date: 26 / 08 / 86

Bristol Twp.





July 17

900

Type of Survey(s) **ASSAY (Expenditure)**

Claim Holder(s) **Falconbridge Ltd., Moneta Ave Timmins, Ont (P83270)**
Constable Resources Ltd. (P87176, P87172)

Address **31 Delair Cres, Thornhill Ont. L3T 2M3**

Survey Company **FALCONBRIDGE LTD**

Date of Survey (from & to) **21 07 86 10 08 86**

Prospector's Licence No. **TH-21847**

Name and Address of Author (of Geo-Technical report) **DALE PILKE 31 DELAIR Cres, Thornhill Ont L3T 2M3**

Credits Requested per Each Claim in Columns at right Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
For each additional survey: using the same grid: Enter 20 days (for each)	- Other	
	Geological	
	Geochemical	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
Airborne Credits	Geological	
	Geochemical	
	Electromagnetic	
Note: Special provisions credits do not apply to Airborne Surveys.	Magnetometer	
	Radiometric	

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
	871716	20			
	871717	20			

RECEIVED
JUN 25 1987

RECORDED
MAY 28 1987

Expenditures (excludes power stripping)

Type of Work Performed **ASSAYS - Sect. 77-19**

Performed on Claim(s) **ASSAYS DOR 617-3-86 CLAIM P595030**
ASSAYS DOR 617-2-86 CLAIM P54115
1933333

Calculation of Expenditure Days Credits

Total Expenditures	Total Days Credits	
15	=	60

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in column of Credits.

Date **MAY 28 1987**

Total number of mining claims covered by this report of work. **3**

Recorded Holder or Agent (Signature) *[Signature]*

Date **MAY 28 1987**

For Office Use Only

Total Days Cr. Recorded **60** Date Recorded **MAY 28 1987**

Date Approved as Recorded **1987.08.28**

Mining Recorder *[Signature]*

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying **BRUCE W. WATKINS 1540 CHAMBERLAIN AVE TIMMINS ONT P8R1N8**

Date Certified **MAY 21** Certified by (Signature) *[Signature]*



Ministry of Natural Resources

File _____

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) Geochemical (Expenditure)
Township or Area THORNELOE
Claim Holder(s) COMSTATE Resources Ltd
& FALCONBRIDGE LTD
Survey Company FALCONBRIDGE LTD
Author of Report D.R. PYKE
Address of Author P.O. BOX 1142 TIMMINS
Covering Dates of Survey JUNE - AUG 1986
(linecutting to office)
Total Miles of Line Cut _____

MINING CLAIMS TRAVERSED
List numerically

P 832701
(prefix) (number)
871716
871717

SPECIAL PROVISIONS
CREDITS REQUESTED

DAYS
per claim

Geophysical
--Electromagnetic _____
--Magnetometer _____
--Radiometric _____
--Other _____
Geological _____
Geochemical _____

ENTER 40 days (includes
line cutting) for first
survey.

ENTER 20 days for each
additional survey using
same grid.

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: July 15/86 SIGNATURE: [Signature]
Author of Report or Agent

Res. Geol. _____ Qualifications 2.3899

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 3

If space insufficient, attach list

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS -- If more than one survey, specify data for each type of survey

Number of Stations _____ Number of Readings _____
Station interval _____ Line spacing _____
Profile scale _____
Contour interval _____

MAGNETIC

Instrument _____
Accuracy – Scale constant _____
Diurnal correction method _____
Base Station check-in interval (hours) _____
Base Station location and value _____

ELECTROMAGNETIC

Instrument _____
Coil configuration _____
Coil separation _____
Accuracy _____
Method: Fixed transmitter Shoot back In line Parallel line
Frequency _____
(specify V.L.F. station)
Parameters measured _____

GRAVITY

Instrument _____
Scale constant _____
Corrections made _____

Base station value and location _____

Elevation accuracy _____

**INDUCED POLARIZATION
RESISTIVITY**

Instrument _____
Method Time Domain Frequency Domain
Parameters – On time _____ Frequency _____
– Off time _____ Range _____
– Delay time _____
– Integration time _____
Power _____
Electrode array _____
Electrode spacing _____
Type of electrode _____

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

Corrections made _____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth -- include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey _____

Instrument _____

Accuracy _____

Parameters measured _____

Additional information (for understanding results) _____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY - PROCEDURE RECORD

Numbers of claims from which samples taken P946115, P933333, P595030

Total Number of Samples 91

Type of Sample DRILL CORE
(Nature of Material)

Average Sample Weight 2 lbs

Method of Collection _____

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

Drainage Development _____

Estimated Range of Overburden Thickness _____

SAMPLE PREPARATION

(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

General _____

ANALYTICAL METHODS

Values expressed in: per cent
p. p. m.
p. p. b.

Cu, Pb, Zn, Ni, Co, Ag, Mo, As, -(circle)

Others Au

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory SWASTIKA LAB

Extraction Method _____

Analytical Method _____

Reagents Used _____

General FIRE ASSAY - ATOMIC
Absorption for Au (ppb)

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

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

Description	Order No.	Date	Disposition	File
(R) SEC 43/70		17.5.72	S.R.O.	64464
(F) FILED ONLY No 15/85, E32526, E32701				

SAND AND GRAVEL

(G) GRAVEL	FILE 143834
(M.N.R) GRAVEL RESERVE	
(M.N.R) GRAVEL P. 258	FILE 111467

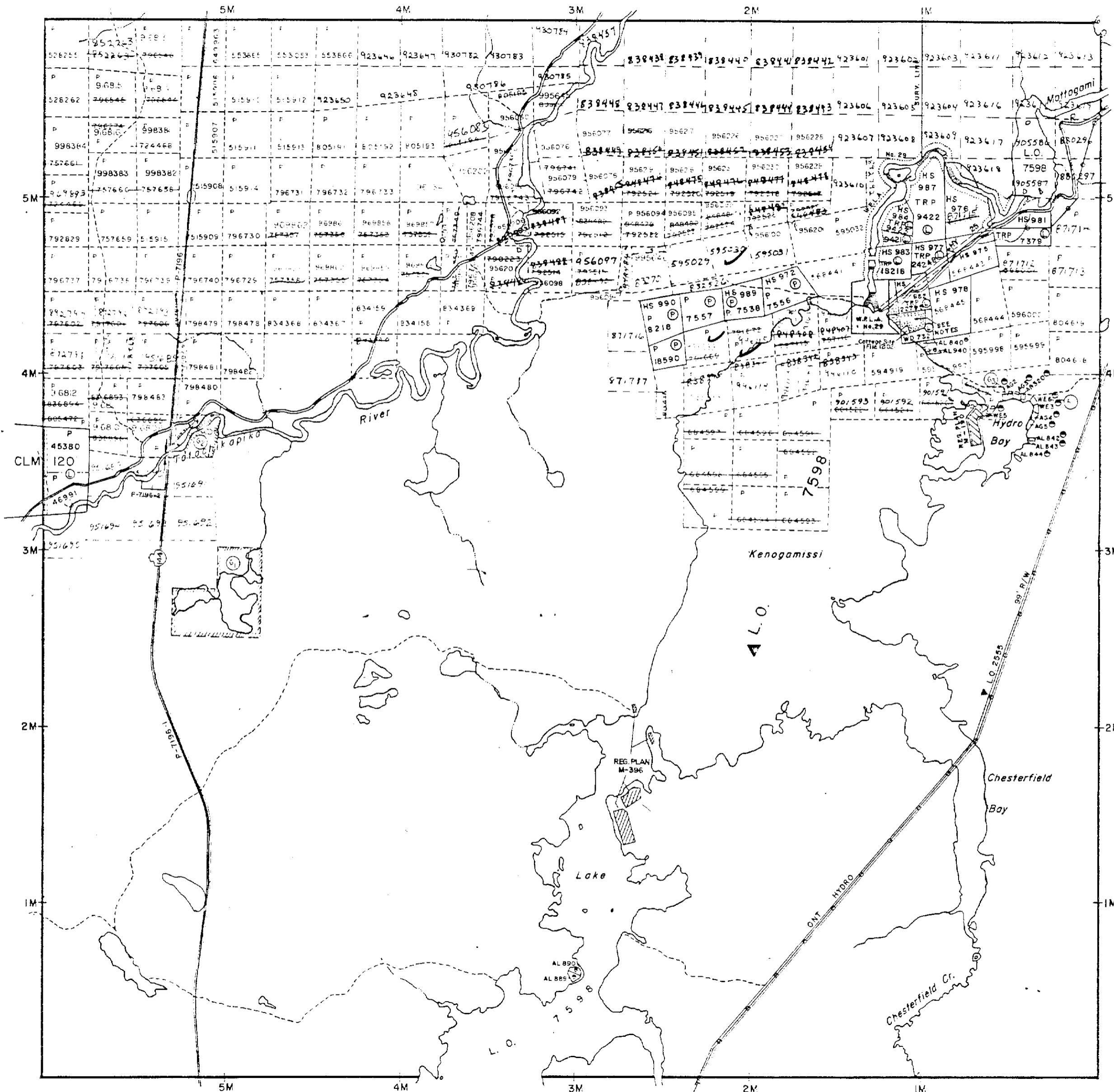
NOTES

Reservation for Deputy Chief Ranger's Headquarters site shown thus [Symbol] File: 110657

Flooding Rights on Kenogamissi Lk. & Mattagami R. are reserved to Ont. Hydro - L.O. 7598. File: 1163 vol. 3

This township lies within the Municipality of the CITY OF TIMMINS.

Bristol Twp.



Mc Keown Twp.

LEGEND

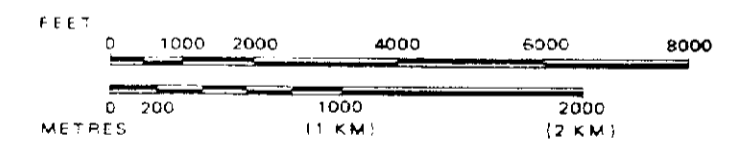
- HIGHWAY AND ROUTE No [Symbol]
- OTHER ROADS [Symbol]
- TRAILS [Symbol]
- SURVEYED LINES [Symbol]
- TOWNSHIPS, BASE LINES, ETC. [Symbol]
- LOTS, MINING CLAIMS, PARCELS, ETC. [Symbol]
- UNSURVEYED LINES [Symbol]
- LOT LINES [Symbol]
- PARCEL BOUNDARY [Symbol]
- MINING CLAIMS ETC. [Symbol]
- RAILWAY AND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

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	(P) or (C)
" SURFACE RIGHTS ONLY	(S)
" MINING RIGHTS ONLY	(M)
LEASE, SURFACE & MINING RIGHTS	(L) or (E)
" SURFACE RIGHTS ONLY	(LS)
" MINING RIGHTS ONLY	(LM)
LICENCE OF OCCUPATION	L.O. or (L)
ORDER-IN-COUNCIL	OC
RESERVATION	(R)
CANCELLED	(C)
SAND & GRAVEL	(G)

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 382, SEC. 63, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP

THORNELOE

M.N.R. ADMINISTRATIVE DISTRICT

TIMMINS

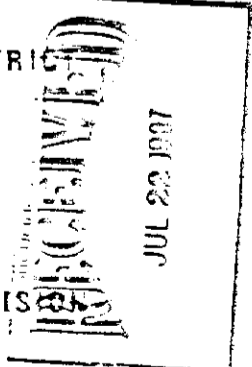
MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

COCHRANE

Ministry of Land Management
Natural Resources Branch
Ontario



Date MARCH 1985

Number

April 4/85

G-3229



42A065W0093 2.10229 THORNELOE