

42A06SW0097 2.7878 THORNELOE

010

COMSTATE RESOURCES LIMITED
GEOCHEMICAL ANALYSES
THORNELOE CLAIM (P594919)
THORNELOE TOWNSHIP

RECEIVED
MAR 11 1985
MINING LANDS SECTION

COMSTATE RESOURCES LIMITED
GEOCHEMICAL ANALYSES
THORNELOE CLAIM

GENERAL

During the summer of 1984, rock samples were collected from an outcrop on claim P568445 in Thorneloe Township (Figure 1). Subsequently whole rock analyses were done on 3 of the samples and geochemical analyses for gold on 13 of the samples.

The outcrop area sampled (Figure 2) is largely one of brown weathering carbonatized komatiitic rock. These are possibly of tuffaceous origin as a fragmental texture was observed in the same unit elsewhere on the property (see previously submitted geological map and report). Minor quartz veining is common and locally the presence of up to 10 per cent mariposite gives the rock a decided greenish hue. Whole rock analyses were done on two samples of carbonatized komatiite, KC-20 and KC-101. KC-97 is a sample of partially sheared somewhat mafic appearing chloritic schist, taken immediately north of the large carbonatized outcrop. A number of chip samples, largely taken in a general north-south direction across the carbonatized komatiite were analysed for gold.

Results of analyses are given on the accompanying tables.

ASSESSMENT CREDIT BREAKDOWN

Cost of Analyses

3 whole rock @ \$31.75 each.....\$ 95.25

13 gold analyses @ \$11.25 each.....\$146.25

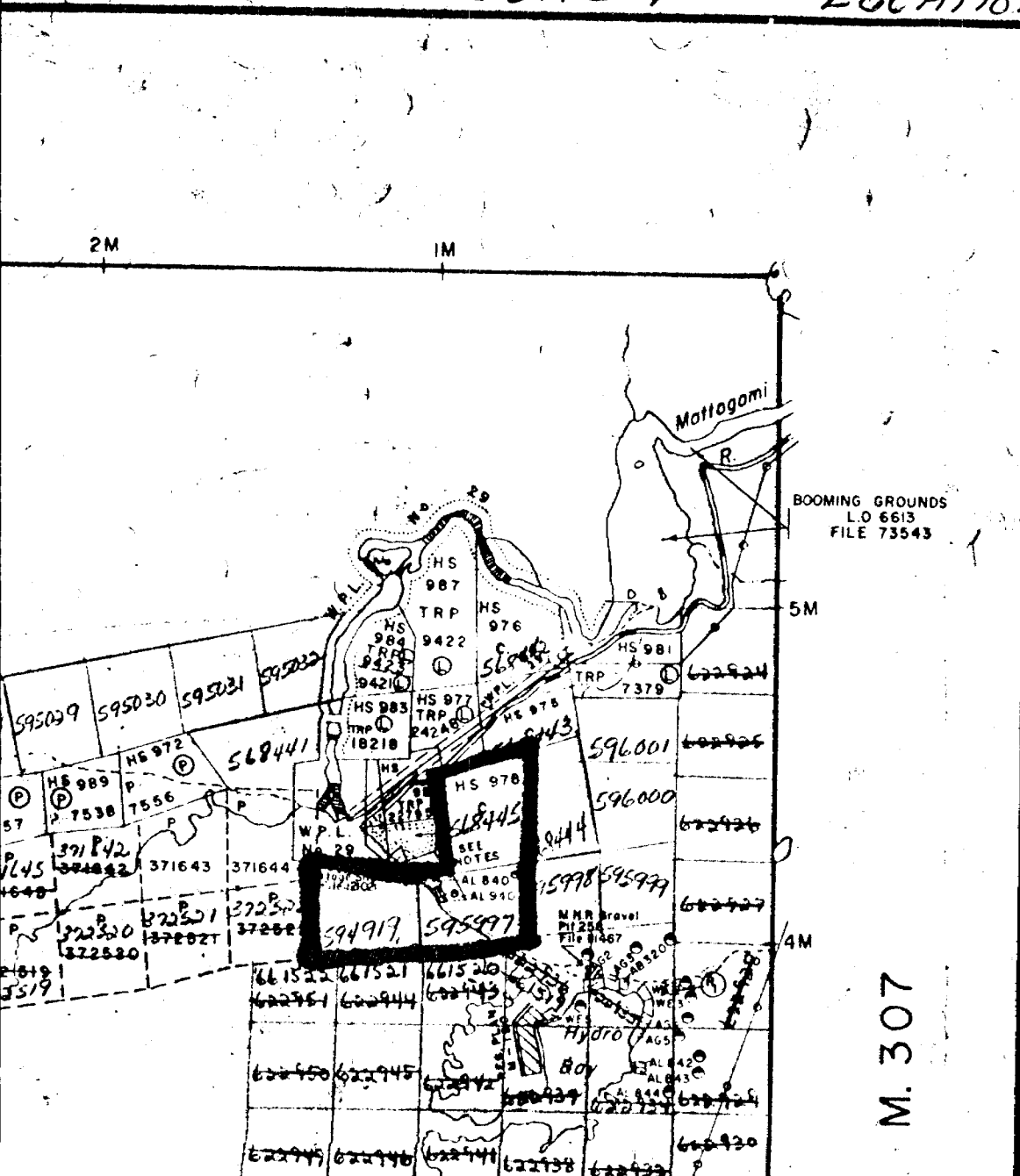
TOTAL-\$241.50

Total expenditure day credits - $\frac{241.50}{15}$ = 16.1 days

Credit to be applied to claim P594919.

D R Lyke
March 7/85.

FIGURE 1 — LOCATION MAP



M. 307

THE TOWNSHIP
OF
THORNELOE

DISTRICT OF
COCHRANE

PORCUPINE
MINING DIVISION

SCALE: 1-INCH 40 CHAINS

LEGEND

- PATENTED LAND
- CROWN LAND SALE
- LEASES
- LOCATED LAND
- LICENSE OF OCCUPATION
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS

- Ⓟ
- C.S.
- Ⓛ
- Loc.
- L.O.
- M.R.O.
- S.R.O.



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 58796

Date: Oct. 3, 1984

Received Sept. 28, 1984 28 Samples of ore

Submitted by D. R. Pyke, Timmins, Ontario

SAMPLE NO. GOLD
PPB

SAMPLE NO. GOLD
PPB

KC-88-84 Nil

89-84 10

90-84 Nil

91-84 Nil

92-84 40
50

93-84 Nil

KC-79-84 20

80-84 10

81-84 20

82-84 20

83-84 Nil

84-84 30

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

Certificate No. 58656

Date: September 18 1984

Received Sept. 11/84 42 Samples of ore

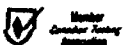
Submitted by D. R. Pyke, Timmins, Ontario

SAMPLE NO.	GOLD
KC-22-84	PPB
	Nil

Per *G. Lebel*

G. Lebel -- Manager

ESTABLISHED 1928



S	E	SI02	AL203	CAO	HOO	NA2O	K2O	FE2O3	MNO	TI02	P2O5	CR2O3	LOI	SUM
KC-20-64		36.1	4.71	4.52	20.6	0.07	0.06	8.52	0.14	0.27	0.01	0.24	23.1	100.3
KC-97-64		63.3	15.7	1.55	2.78	7.28	0.24	4.62	0.06	0.71	0.14	0.01	1.93	98.4
KC-101-64		33.9	9.75	7.01	9.39	1.23	2.55	13.2	0.41	0.57	0.05	0.49	20.9	99.5

SAMPLE	RB	SR	Y	ZR	NB
KC-70-84	10	160	10	<10	<10

KC-97-84	20	320	20	120	20
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KC-101-84	70	250	30	10	10
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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 P568445

Total Number of Samples 16

Type of Sample bedrock chips
(Nature of Material)

Average Sample Weight 116
w. r. geochem 116

Method of Collection Hammer - chisel

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 X-RAY ASSAY LAB
SWASTIKA LAB tests)

Name of Laboratory _____

Extraction Method _____

Analytical Method _____

Reagents Used _____

General 3 whole rock analyses
were completed by X-RAY
ASSAY LAB for major oxides
& Rb Sr Y Zr Nb. 13
samples were analyzed
by SWASTIKA LAB for
Gold (ppb) - FIRE ASSAY -
AA.



SWASTIKA LABORATORIES LIMITED

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

10077

SOLD TO

Mr. D. R. Pyke
Box 1142
Timmins, Ontario
P4N 7H9

SHIP TO

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
Sept. 28/84						Net 30 days	
QUANTITY	DESCRIPTION				UNIT PRICE	AMOUNT	
42	Au Assays PPB				\$ 8.50	\$ 357.00	
42	Sample handling Cert. No. 58656 Sept. 18/84				2.75	115.50	
3	As Assays PPM Cert. No. 58656-A Sept. 24/84				6.00	18.00	
TOTAL						\$ 490.50	

MOORE BUSINESS FORMS 3 7060E

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

FACTURE / INVOICE

ESTABLISHED 1928



MARCH 8, 1985.

LANDS MANAGEMENT BRANCH
MINING LANDS SECTION
ROOM 6610
Whitney Block
Queen's Park
TORONTO M7A 1W3

RECEIVED
MAR 11 1985
MINING LANDS SECTION

RE: MINING CLAIM P594919, THORNELOE TWP

Enclosed are the results and locations of
geochemical analyses, for an expenditure
credit for the above claim

Sincerely
D.R. Pyke.

Bristol Twp. M.264

THE TOWNSHIP OF THORNELOE

DISTRICT OF COCHRANE

PORCUPINE MINING DIVISION

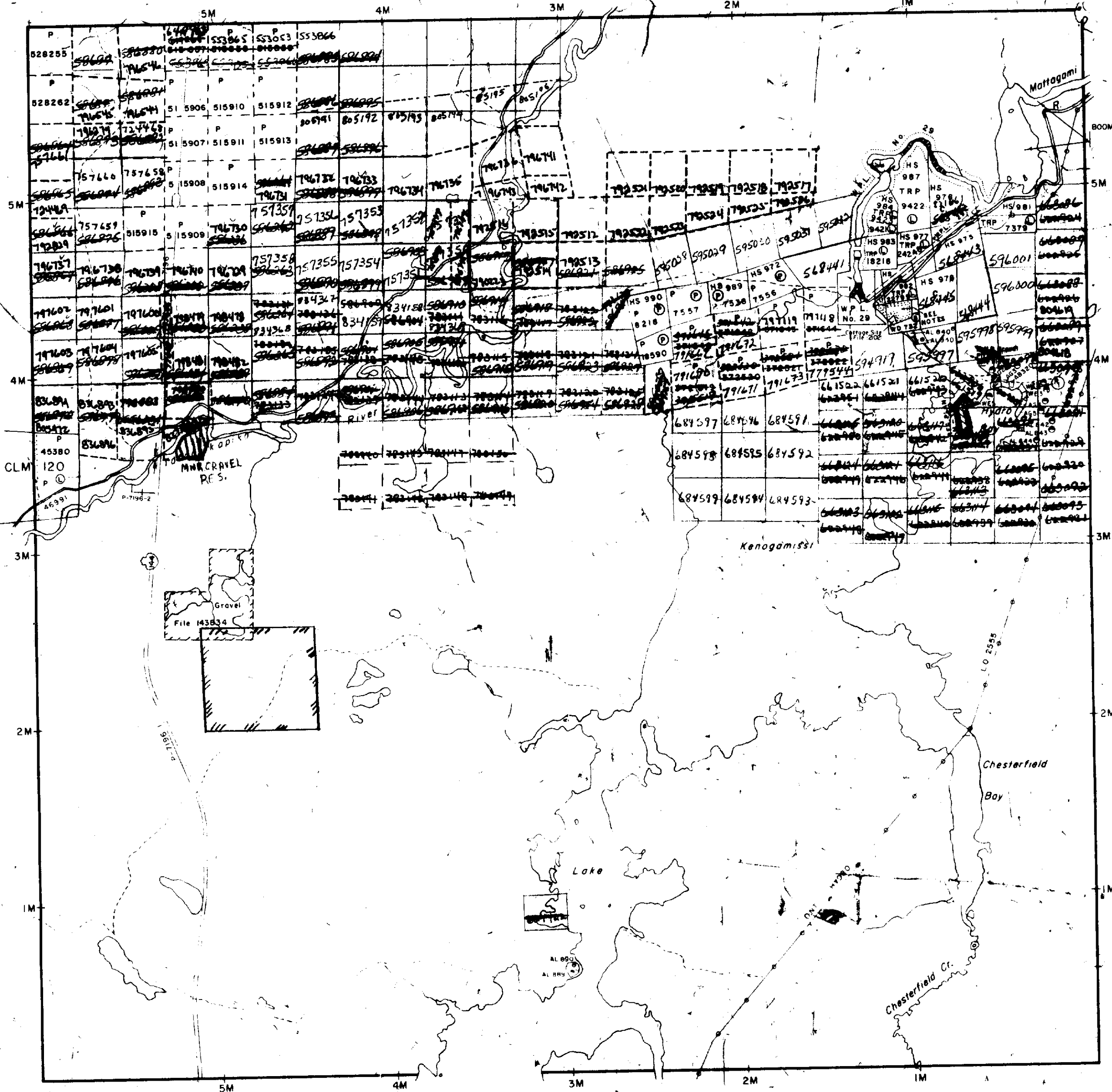
SCALE: 1-INCH = 40 CHAINS

THORNELOE TWP

Denton Twp. M.273

Price Twp. M.307

THORNELOE TWP



LEGEND

- REGISTERED PLAN OF SUBDIVISION
- PATENTED LAND
- CROWN LAND SALE
- LEASES
- LOCATED LAND
- LICENSE OF OCCUPATION
- MINING RIGHTS ONLY
- SURFACE RIGHTS ONLY
- ROADS
- IMPROVED ROADS
- KING'S HIGHWAYS
- RAILWAYS
- POWER LINES
- MARSH OR MUSKEG
- MINES
- CANCELLED PATENTED S.R.O.

NOTES

- 400' Surface Rights reservation along the shores of all lakes and rivers.
- Reservation for Deputy Chief Ranger's Headquarters site shown thus File 110657
- Flooding rights on Mattagami River & Kenogamissi Lake are reserved to Ont. Hydro - L.O. 7598 File 1163 vol.3
- Areas withdrawn from staking under Section 43 of the Mining Act (R.S.O. 1970)

Order No	File	Date	Disposition
1	164584	17/5/72	S.R.O.

- IN THE PLANNED REFORESTATION

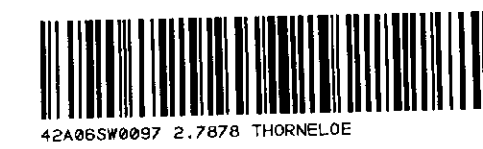
This township lies within the Municipality of the CITY of TIMMINS.

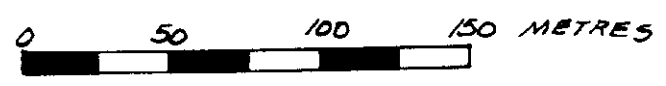
PLAN NO. M.313

ONTARIO MINISTRY OF NATURAL RESOURCES SURVEYS AND MAPPING BRANCH

NATURAL RESOURCES
MAR 20 1985
TITLES SECTION

213





SCALE: 1:2500

ROAD

PENSTOCK

P568445

Largely
Carbonatized
Komatites
Tuffs - cherty
sediments

KC-79
KC-80
KC-97
KC 88 → 93
KC 81 → 84
KC 20,22
KC 101

P594919

P595997

KENOGAMISSI
LAKE

SYMBOLS

□ Claim post

— Claim line

○ Outcrop area

○ Trench

— Geological contact

COMSTATE RESOURCES LTD

LOCATION OF ANALYSED SAMPLES

THORNELOE TWP

DRFyle

