



42A02SW0096 2.1672 ARGYLE

672

010

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by hand
DEC 20 1974
PROJECTS UNIT

ECSTALL MINING LIMITED
REPORT ON GEOPHYSICAL WORK
IN
ARGYLE TOWNSHIP

CLAIMS: L 374482-L 374486, L 374547, L 374548,
L 387530-L 387538, L 389235, L 389236

December, 1974.

J.A. Slankis

Ecstall Mining Limited
Report on Geophysical Work

In

Argyle Township

Claims: L 374482-L 372486, L 374547, L 374548,
L 387530-L 387538, L 389235, L 389236

Horizontal loop and magnetic surveys have been run over this group of 18 contignous claims, located in the western part of Con IV and V, Argyle Township.

The claims can be reached either via aircraft to Tomfox Lake or by a dirt road which passes about a mile south of the property.

There is no record in Kirkland Lake of any previous work.

According to O.D.M. Map 2205, Timmins - Kirkland Lake, this area has only been mapped on a reconnaissance basis. The available geology suggests that the claim group is underlain by mafic flows and pyroclastic rocks. North-south trending diabase dikes cross the claims.

Survey Results :

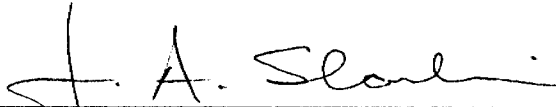
The horizontal loop did not detect any zones of anomalous conductivity.

The magnetic field pattern is dominated by several north-south trending highs which are probably due to diabase dikes. Excepting these highs, the magnetic field strength is very uniform and shows a pattern of weak east-west trending anomalies which must reflect minor compositional variations within the mafic volcanics.

Recommendations:

No further work can be recommended on the basis of the geophysics.

JAS:gk



J.A. Slankis

GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL
TECHNICAL DATA STATEMENT

RECEIVED
Hubbard
EC 20 1974
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TO BE AT
FACTS S
TECHNICAL REPO



900

Type of Survey Geophysical
Township or Area Argyle Township
Claim holder(s) Ecstall Mining Limited
Box 175, Suite 5000, Commerce Ct. Toronto M5L 1E7
Author of Report J.A. Slankis
Address As Above
Covering Dates of Survey June - December, 1974.
(linecutting to office)
Total Miles of Line cut 22.4

MINING CLAIMS TRAVERSED	
List numerically	
Prefix	Number
L	374482
L	374483
L	374484
L	374485
L	374486
L	374547
L	374548
L	387530
L	387531
L	387532
L	387533
L	387534
L	387535
L	387536
L	387537
L	387538
L	389235
L	389236

Handwritten notes: '1/4 Nc' next to several numbers. 'EM' and 'MAG' written above the table.

SPECIAL PROVISIONS CREDITS REQUESTED	DAYS per claim
Geophysical	
--Electromagnetic	<u>40</u> <i>dn</i>
--Magnetometer	<u>20</u>
--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: Dec. 19, 1974 SIGNATURE: J.A. Slankis
Author of Report or Agent

PROJECTS SECTION
Res. Geol. Qualifications 2.686
Previous Surveys L.D

Checked by date

GEOLOGICAL BRANCH

Approved by date

GEOLOGICAL BRANCH

Approved by date

This survey appears well covered ∴ allow full credits. Combined area of claims not: barely one claim

TOTAL CLAIMS 18

OFFICE USE ONLY

If space insufficient, attach list

Show instrument technical data in each space for
type of survey submitted or indicate "not applicable"

GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS

Number of Stations MAG: 1120 EM: 960 Number of Readings MAG: 1240 EM: 960
Station interval 100' (50' detail)
Line spacing 300'
Profile scale or Contour intervals MAG: 20 gamma contours EM: 1"=20% profiles
(specify for each type of survey)

MAGNETIC

Instrument Geometrics G816 Proton Precession, Total Field Magnetometer
Accuracy - Scale constant ± 1 gamma
Diurnal correction method Looping
Base station location At base line on line 0+00

ELECTROMAGNETIC

Instrument Geonics EM-17
Coil configuration Horizontal Loop
Coil separation 300'
Accuracy ± 2%
Method: Fixed transmitter Shoot back In line Parallel line
Frequency 1600 Hz
(specify V.L.F. station)
Parameters measured In-phase and Quadrature components of secondary field as
GRAVITY percent of transmitted field.

Instrument _____
Scale constant _____
Corrections made _____
Base station value and location _____

Elevation accuracy _____

INDUCED POLARIZATION -- RESISTIVITY

Instrument _____
Time domain _____ Frequency domain _____
Frequency _____ Range _____
Power _____
Electrode array _____
Electrode spacing _____
Type of electrode _____

M-S03

M-S03

THE TOWNSHIP OF **ARGYLE** 2.1672

DISTRICT OF TIMISKAMING

LARDER LAKE MINING DIVISION

SCALE: 1-INCH=40 CHAINS

LEGEND

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

NOTES

400' Surface rights reservation around all lakes and rivers.

MINING LANDS
DATE OF ISSUE
DEC 23 1974
MINISTRY OF NATURAL RESOURCES

PLAN NO.- M-203

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

ARGYLE TWP.

M-S03

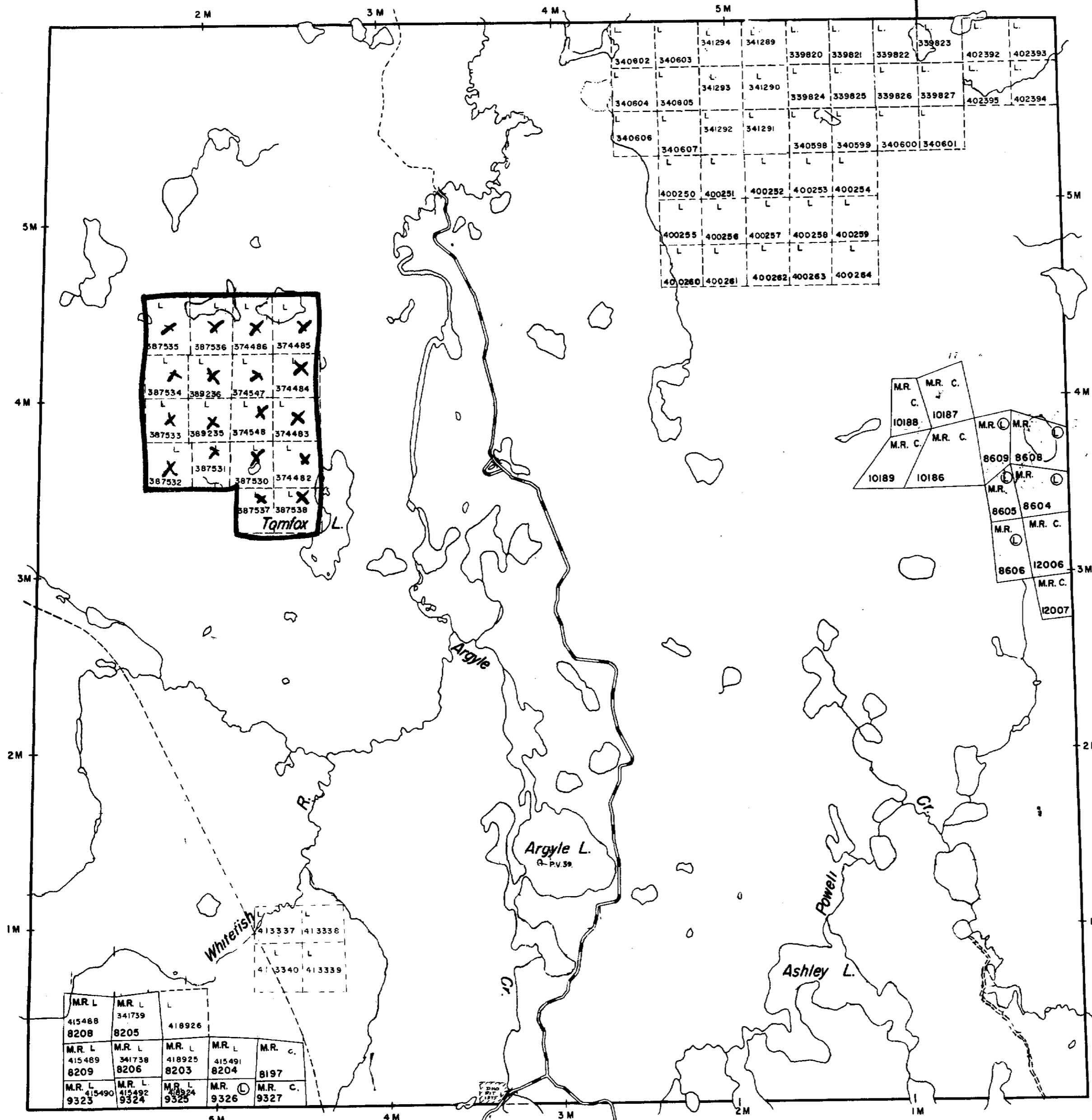
McNeil Twp.

Robertson Twp.

Hincks Twp.

Baden Twp.

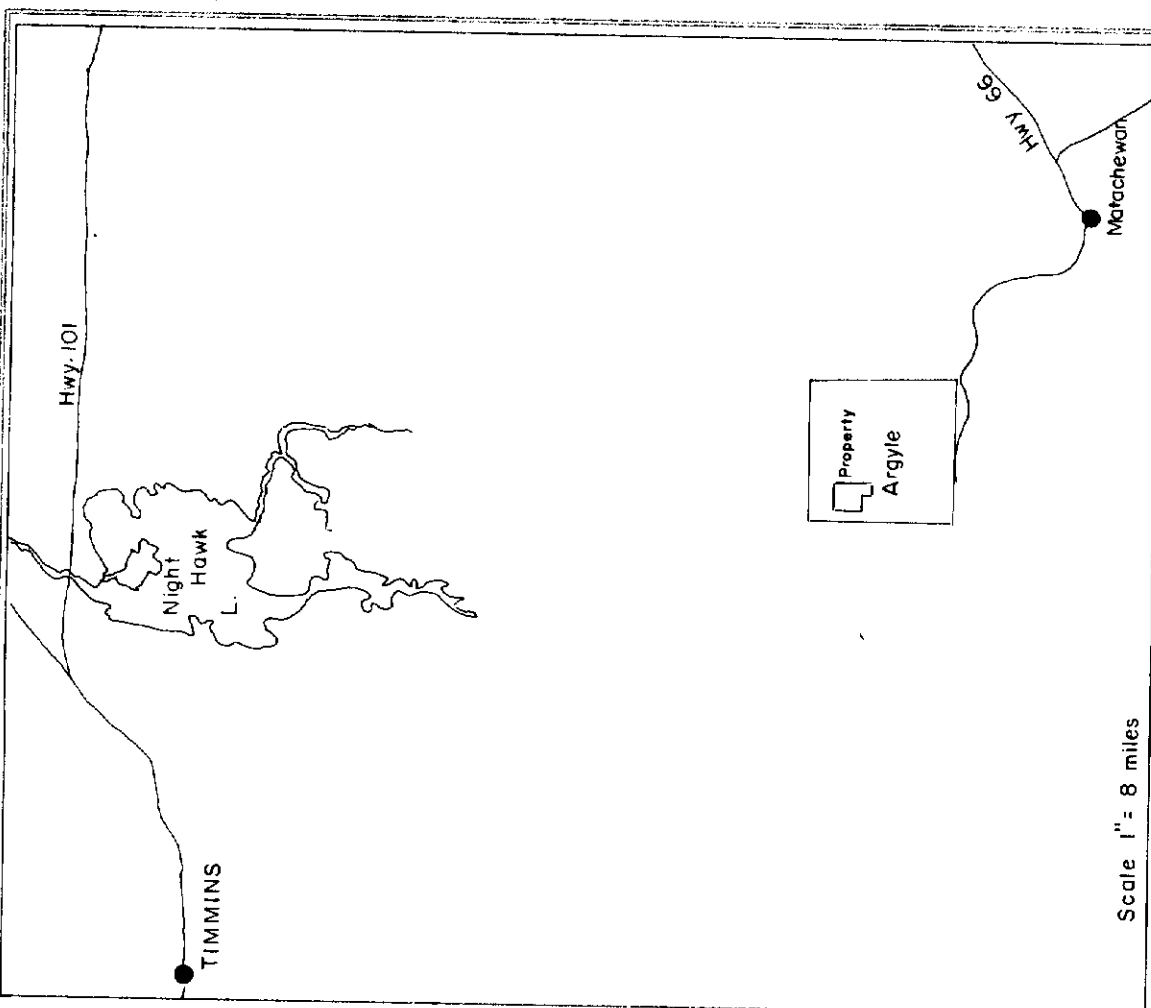
Bannockburn Twp.



ARGYLE TWP.

S03



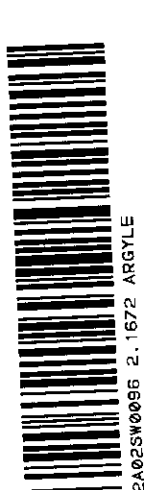
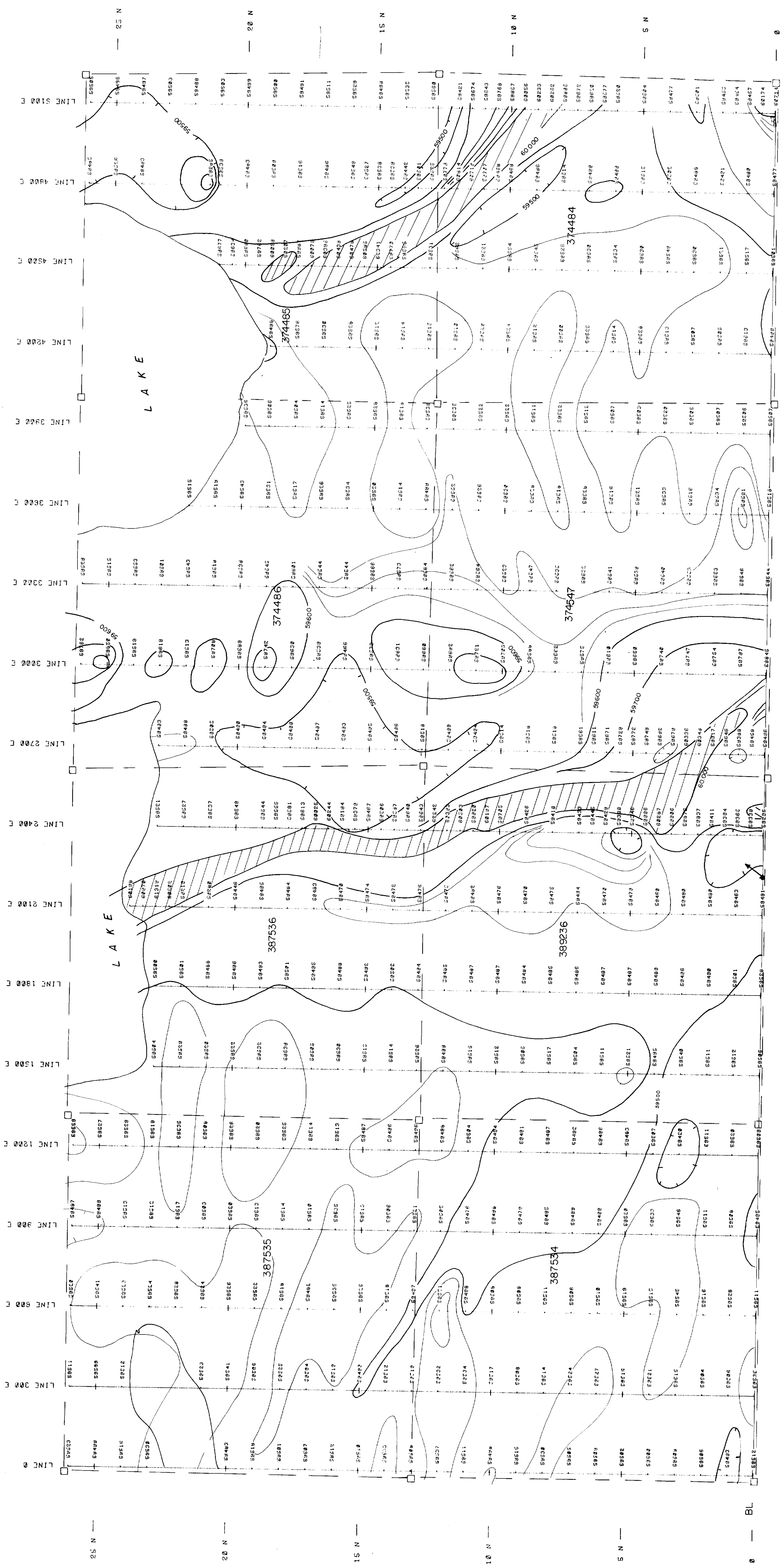


INSTRUMENT : GEOMETRICS 6816
 TYPE : FACTON PRECISION, TETRA FIELD
 READINGS IN GRAMMS

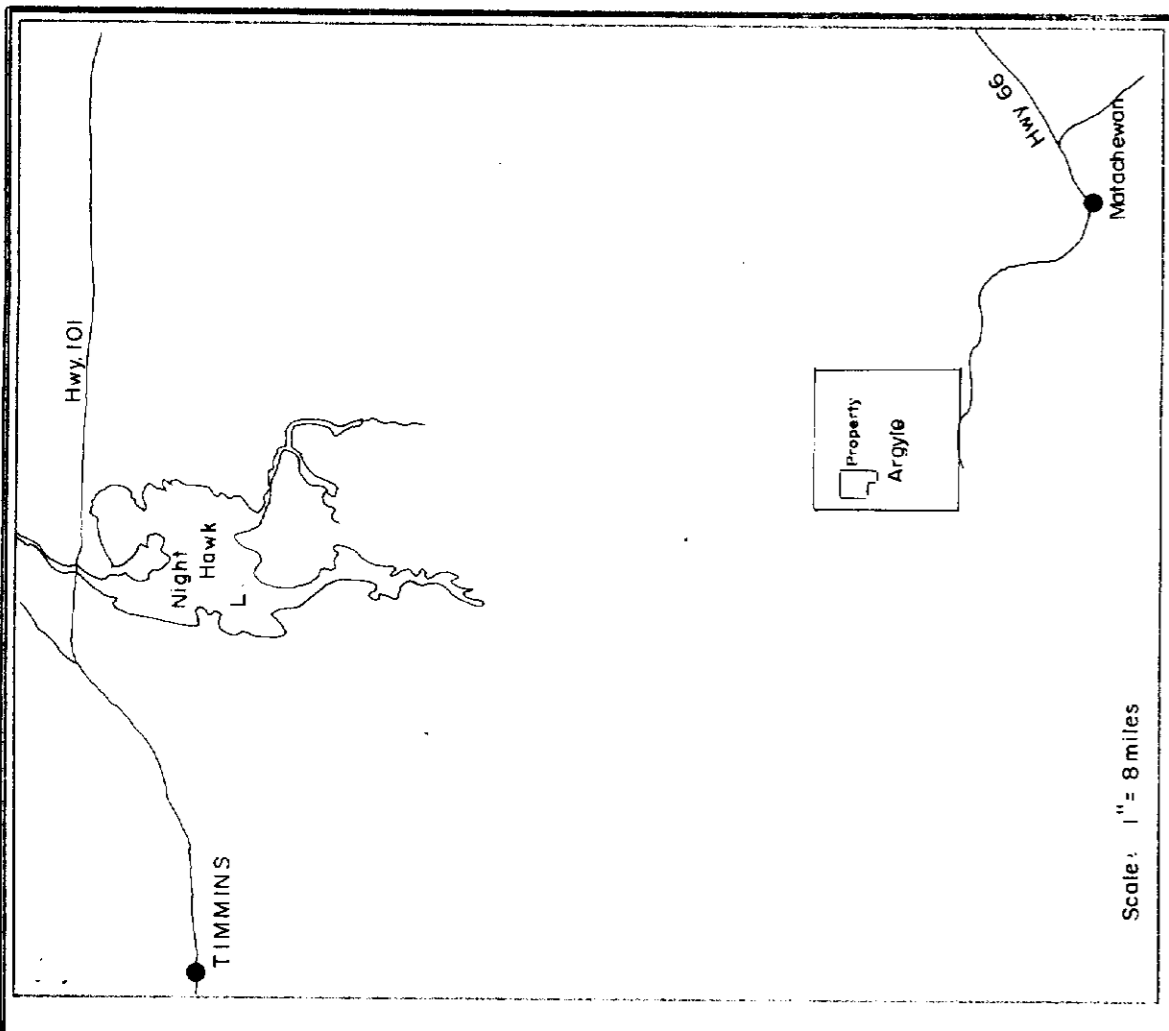
LEGEND

ECSTALL MINING LTD.
 MAGNETIC SURVEY
 ARGYLE 51
 NORTH

WORK BY _____ DATE _____
 JULY 1974

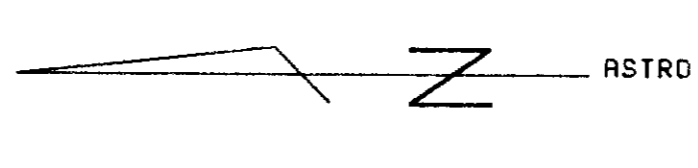


A. S. Cole 20/10/74



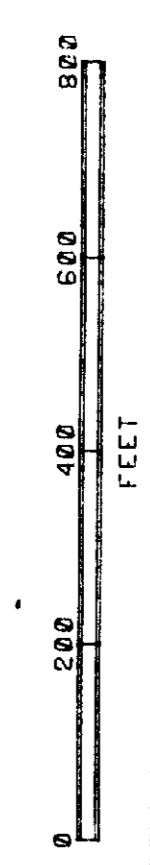
KEY MAP

Scale: 1" = 5 miles



LEGEND

INSTRUMENT : GEOMETRICS 0816
 TYPE : PRISM PRECISION, TOTAL FIELD
 READINGS IN GRAMS



ECSTALL MINING LTD.
 MAGNETIC SURVEY
 ARGYLE 51
 SOUTH

WORK BY _____ DATE _____
 Aug. 1974

A. Seal 20/10/74

