



42A01SE0031 2.3689 TECK

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JAN 27 1981

REPORT ON RADIOMETRIC SURVEY

MINING LANDS SECTION

DYMENT-KIDSTON CLAIMS

TECK TWP

GROUP A

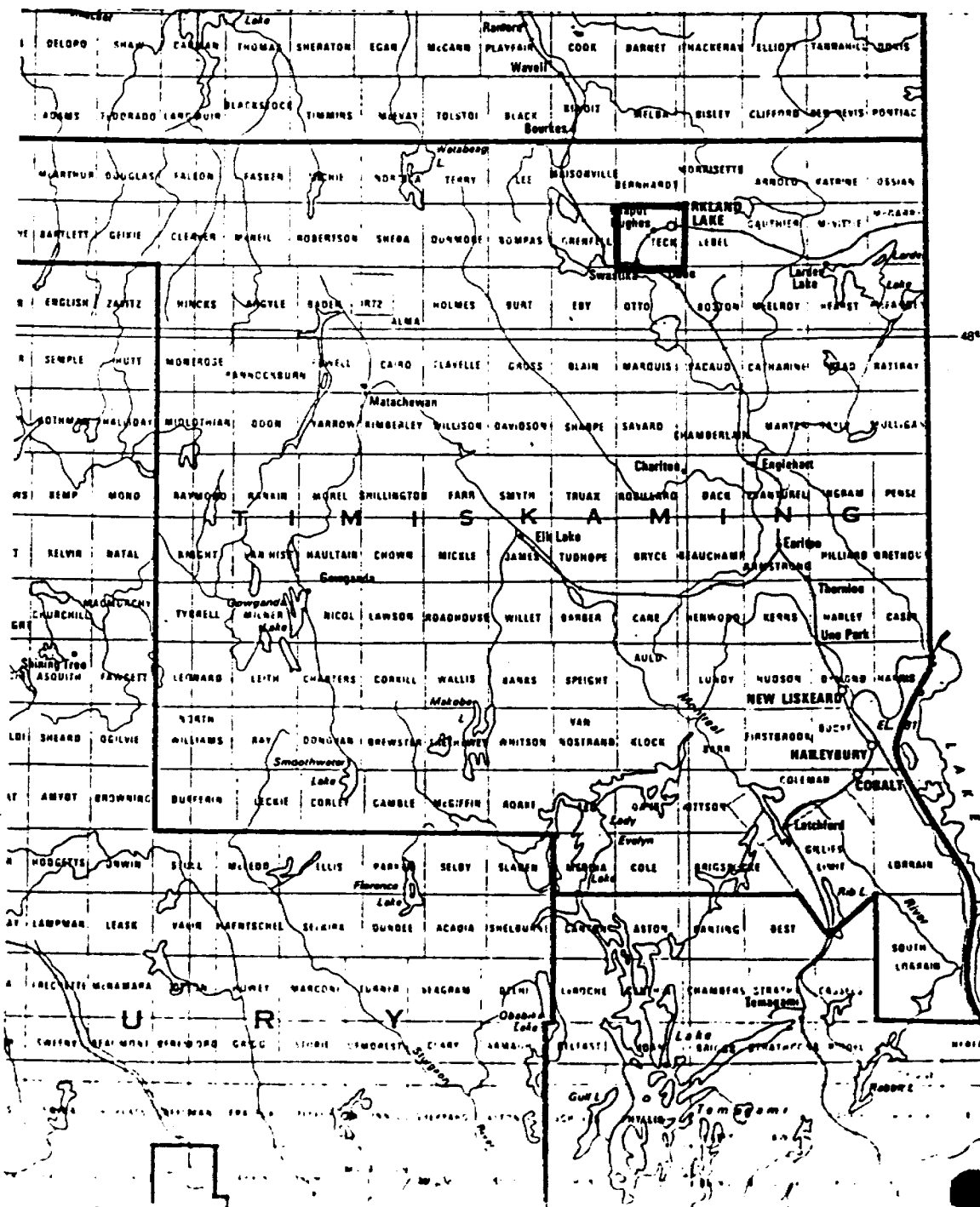
NTS: 42-A/1

JOMI MINERALS & EXPEDITING LTD.

Tarzwell, Ontario

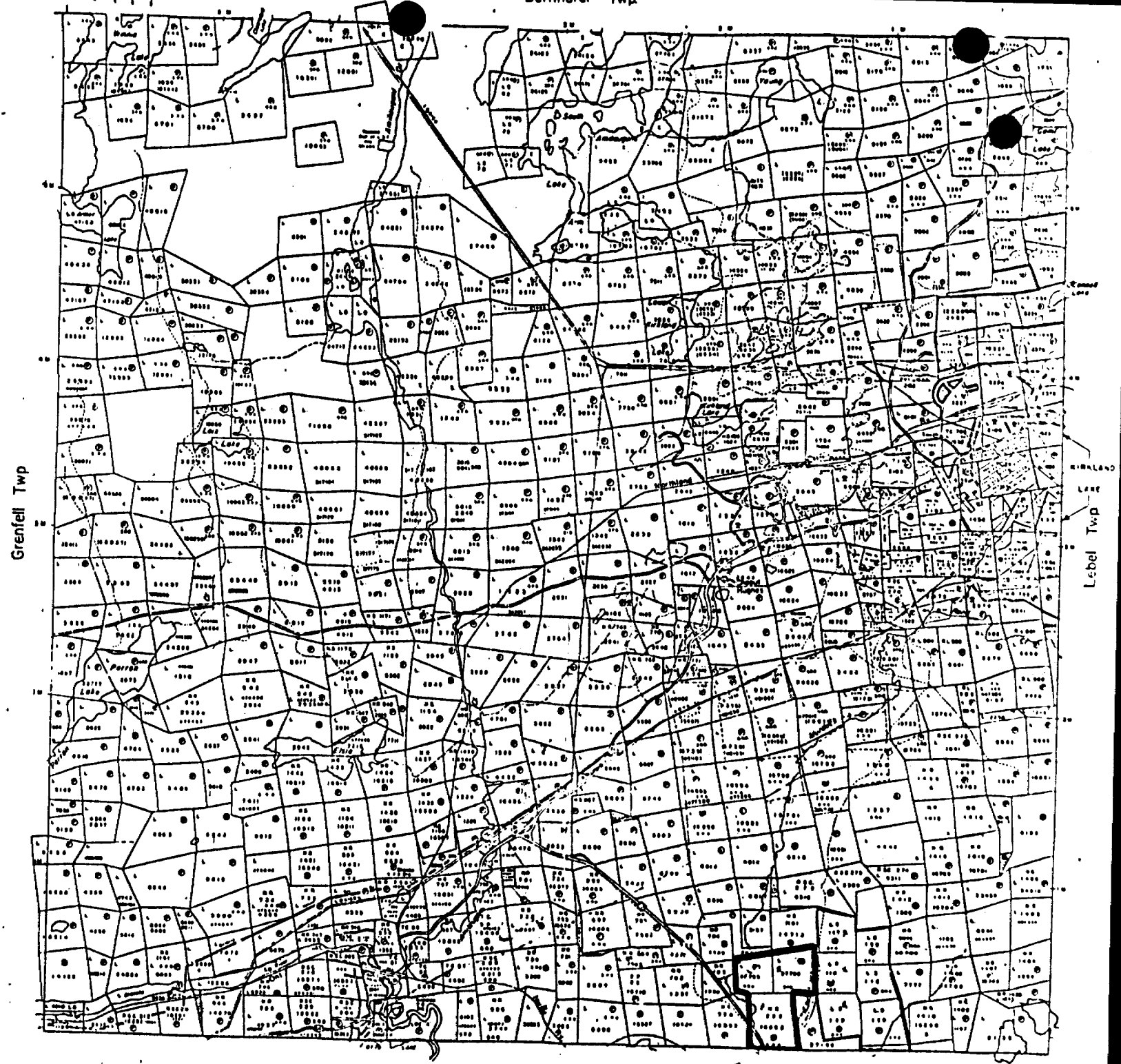
January 1981

L.M. Dyment



1977

Bernhard Twp

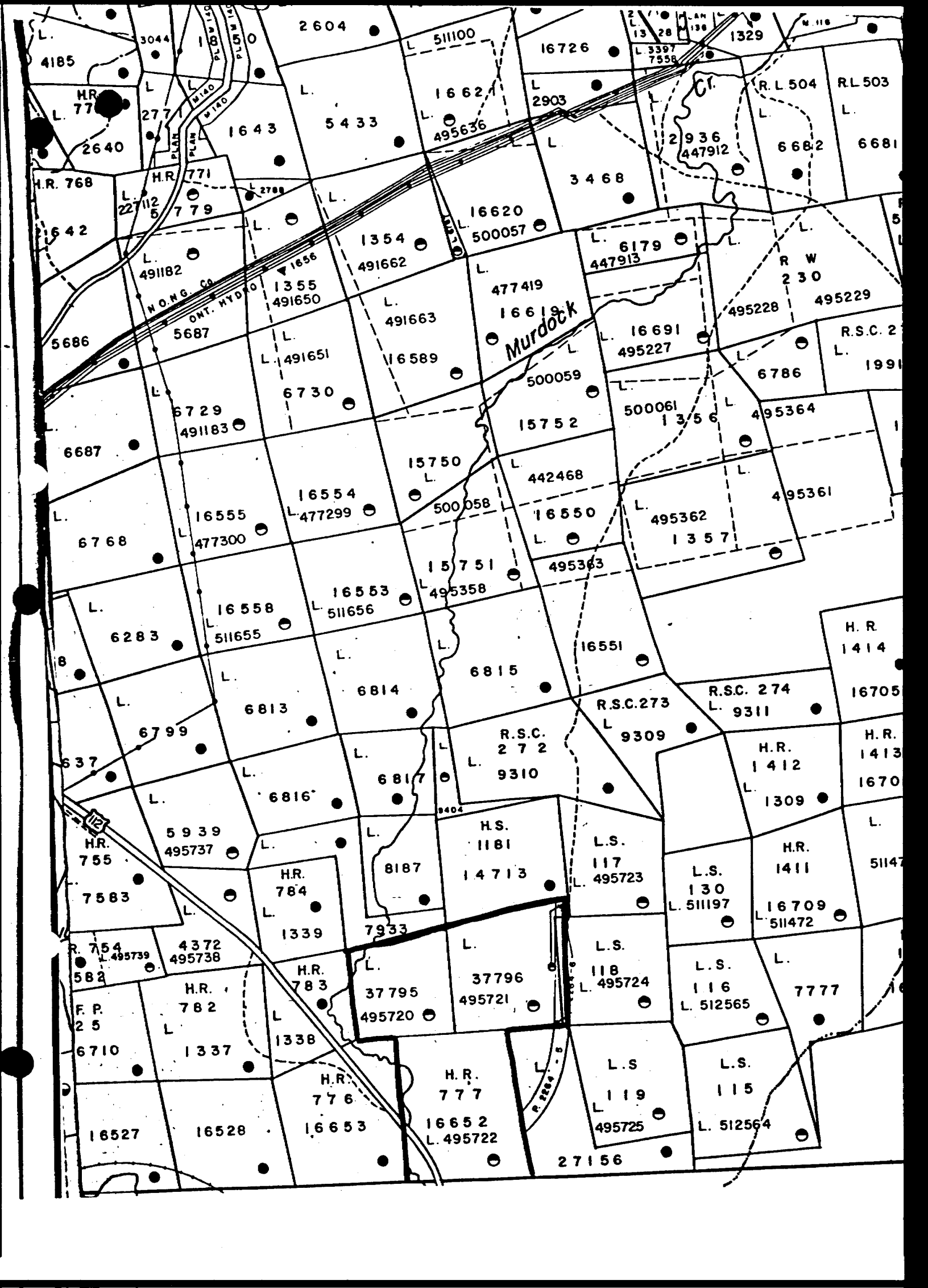


Grenfell Twp

Lebel Twp

Otto Twp

Group #1



2604

L. 51100

16726

L. 3397  
7558

1329

M. 118

R.L. 504

RL 503

4185

3044

L. 2771

1643

5433

L. 1662

L. 495636

L. 2903

L. 2936  
447912

6682

6681

H.R. 768

H.R. 771

L. 227112  
5779

L. 2788

L. 1354

L. 491662

L. 16620

L. 500057

L. 6179

L. 447913

R.W. 230

495228

495229

R.S.C. 2

L. 1991

5686

N.O.W.G. Co.

ONT. HYDRO

5687

L. 1355

L. 491650

L. 491663

L. 16589

L. 477419

L. 16619

L. 500059

L. 16691

L. 495227

6786

495364

R.S.C. 2

L. 1991

6687

L. 6729

L. 491183

L. 6730

L. 15750

L. 500058

L. 15752

L. 500061

L. 1356

495364

L. 495361

L. 6768

L. 16555

L. 477300

L. 16554

L. 477299

L. 15750

L. 500058

L. 442468

L. 16550

L. 495362

L. 1357

L. 6283

L. 16558

L. 511655

L. 16553

L. 511656

L. 15751

L. 495358

L. 495363

L. 16551

H.R. 1414

16705

R.S.C. 274

L. 9311

R.S.C. 273

L. 9309

H.R. 1413

1670

H.R. 1412

L. 1309

L. 51147

H.R. 1411

L.S. 130

L. 51197

H.R. 1411

L. 16709

L. 511472

H.R. 755

L. 5939

L. 495737

H.R. 784

L. 1339

L. 8187

H.S. 1181

L. 14713

L.S. 117

L. 495723

H.R. 1412

L. 1309

L. 51147

H.R. 1411

L.S. 130

L. 51197

H.R. 1411

L. 16709

L. 511472

R. 754

L. 495739

L. 4372

L. 495738

H.R. 783

L. 1338

L. 7933

L. 37796

L. 495721

L.S. 118

L. 495724

H.R. 1411

L.S. 116

L. 512565

L. 7777

F.P. 25

L. 6710

H.R. 782

L. 1337

L. 1338

H.R. 776

L. 16653

H.R. 777

L. 16652

L. 495722

L.S. 119

L. 495725

L.S. 115

L. 512564

16527

16528

L. 16653

L. 16652

L. 495722

27156

### SUMMARY

During the late summer of 1980 a radiometric survey was undertaken on three claims of the Dymont-Kidston Group A property. The survey was carried out to aid the prospectors in the detailed geological mapping that followed.

### INTRODUCTION

The property has been held by the prospectors for several years and an on-going program of examination by different methods has been carried out.

### LOCATION AND ACCESS

The claim group is located near the SE corner of Teck Twp (NTS 42-A/1) approximately two miles South of Kirkland lake, off highway 112. Access to the group is excellent as the SW corner of the group is at the junction of highway 112 and Murdock Creek.

### PREVIOUS WORK

A search of the Kirkland Lake Resident Geologist's assessment files failed to locate any work filed on these claims. Personal communication with Hugh Moore of Cobalt, a relative of the former holder of the claims (ca.1930), brought to light interesting speculations and gold values though neither are documented. The writer has done EM and Magnetic surveys on the property and detailed geo-

logical mapping is to follow the radiometric survey.

#### SURVEY METHOD

The survey was run on an existing grid using a McPhar TV-1A spectrometer. The instrument was left continuously running so that, while only the 100 ft. stations were read, anything of interest between stations would be noted. Total count was used at a range of X100 and the last zero was removed for the purpose of plotting data. Thus the background as plotted at 10 cps. represents 1000cps.

#### SURVEY RESULTS

As an over-all check on the property to define areas of higher than background radiometrics, the survey was successful. Areas of high potassium were noted to be thoroughly prospected during the geological mapping.

#### CONCLUSIONS AND RECOMMENDATIONS

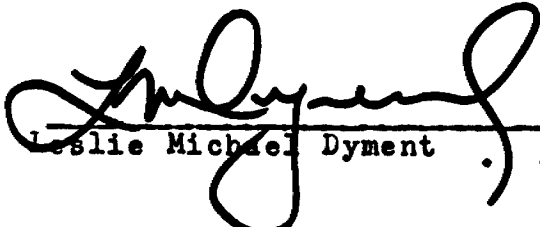
Areas of greater than background should be given special attention when mapping as likely alteration zones. No areas of extreme radioactivity were noted.

Certificate

I, Leslie Michael Dyment, residing in the township of Marquis, Ontario, and having a mailing address Jomi Minerals & Expediting Ltd., RR#1, Tarzwell, Ontario, do hereby certify:

- (1) That I am a Mining Technician having taken the two year course at Haileybury School of Mines, Haileybury, Ontario,
- (2) That I have been employed in all phases of mining exploration and development for 19 years,
- (3) That I did personally accumulate and set forth the facts and knowledge in the accompanying report and maps,
- (4) That the accompanying report is true.

Dated January 22, 1981  
Tarzwell, Ontario

  
Leslie Michael Dyment



Ministry of Natural Resources

GEOPHYSICAL - GEOLOGIC TECHNICAL DATA



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JAN 21 1981

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.

MINING LANDS SECTION

Type of Survey(s) RADIOMETRIC
Township or Area TECK
Claim Holder(s) L.M. DYMENT
Survey Company JOMI MINERALS & EXPED LTD
Author of Report L.M. DYMENT
Address of Author RR#1 TARZWELL, ONT.
Covering Dates of Survey Sept. 5/80 - office Jan 19-20/80
Total Miles of Line Cut 3.5

MINING CLAIMS TRAVERSED
List numerically

Table with columns for (prefix) and (number). Entries: 495720, 495721, 495722

SPECIAL PROVISIONS
CREDITS REQUESTED

DAYS per claim

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

ENTER 20 days for each additional survey using same grid.

- Geophysical: Electromagnetic, Magnetometer, Radiometric (20), Other
Geological
Geochemical

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

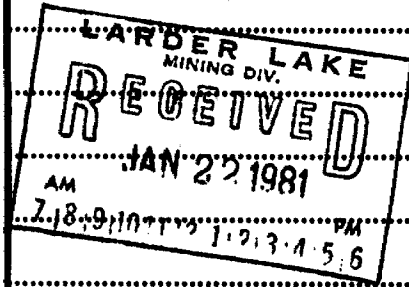
Magnetometer Electromagnetic Radiometric
(enter days per claim)

DATE: Jan 20/81 SIGNATURE: [Signature]
Author of Report or Agent

Res. Geol. Qualifications 2 2903

Previous Surveys

Table with columns: File No., Type, Date, Claim Holder



TOTAL CLAIMS

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 TU-1A

Values measured Total Count

Energy windows (levels) 100, 1000, 10,000, 100,000

Height of instrument 10" Background Count 80-100 CPS

Size of detector 1 1/2" by 1 1/2" sodium Iodide

Overburden gravel to swampy.  
(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 \_\_\_\_\_

Total Number of Samples \_\_\_\_\_

Type of Sample \_\_\_\_\_  
(Nature of Material)

Average Sample Weight \_\_\_\_\_

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 \_\_\_\_\_

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 \_\_\_\_\_

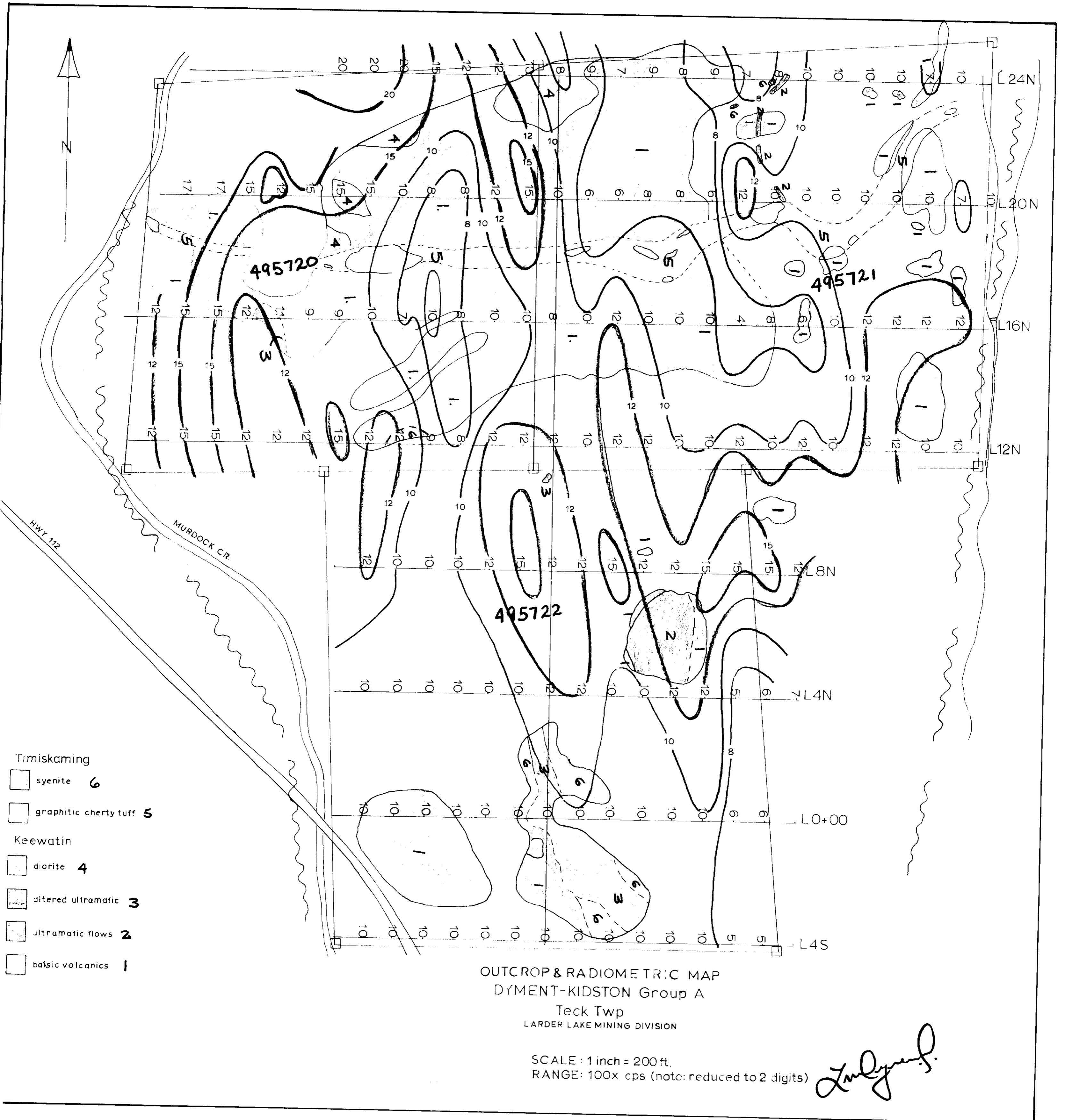
Extraction Method \_\_\_\_\_

Analytical Method \_\_\_\_\_

Reagents Used \_\_\_\_\_

General \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_  
\_\_\_\_\_



OUTCROP & RADIOMETRIC MAP  
 DYMENT-KIDSTON Group A  
 Teck Twp  
 LARDER LAKE MINING DIVISION

SCALE: 1 inch = 200 ft.  
 RANGE: 100x cps (note: reduced to 2 digits)

*J. J. [Signature]*



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