2.3549

NTS 42 A/1



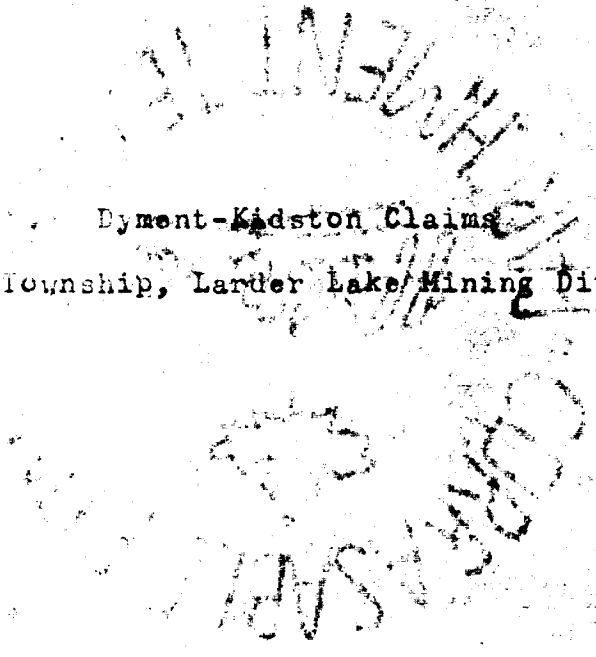
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NOV 12 1980
MINING LANDS SECTION

Assessment Report

Spectrometer Radiometric Survey



Dyment-Kidston Claims

Otto Township, Larder Lake Mining Division

Tarzwell, Ontario
Oct. 26, 1980

L. M. Dyment

SUMMARY

During the summer of 1980 a prog[illegible]
outcrop locating was instigated. A [illegible]
then carried out in the hope of aiding the [illegible]
exploration of the property, that [illegible]

INTRODUCTION

The property was staked [illegible] on the basis of the Ontario Geological Survey airborne [illegible] and 4 channel anomalies were [illegible]. Four claims (544538 - [illegible] and 544540) were staked to cover these anomalies.

LOCATION AND ACCESS

The claims are located on the north half of [illegible] of Otto twp. Access is quite easy as the claim group is [illegible] on the east by highway 11 and approximately [illegible] town of Kirkland Lake.

PREVIOUS WORK

A search of the Kirkland Lake Mining [illegible] showed that International Nickel Co. Ltd [illegible] the NW part of the property in the late 60's. [illegible] that in 1975-76 Noranda did a magnetometer [illegible] proceeded to drill two short x-ray [illegible] showings and not geophysical [illegible] and trenches were noted. Also the [illegible] possibilities within the surrounding area.

SURVEY METHOD

A grid was cut and chained. A McPhar TV-1A spectrometer was used and was left continuously running, while only the 100 foot stations were noted, anything of interest within the stations was also noted. An overall picture of the property as far as radioactivity be present or not present was what was sought. Total count was used at a range of X100.

SURVEY RESULTS

The overall background of the property as mapped shows it to be 100 to 120 counts. The north parts of the property that have counts of 190 to 350 when investigated by removal of moss showed it to be associated with [illegible] the South [illegible] the survey. The above background readings proved to be acid lines [illegible] from the core stock. The possibility of enriched radioactive bodies was proven highly unlikely.

[illegible]

As a prospecting tool a radiometric survey allowed the prospector to map [illegible] and remove some moss as a prelude to detailed mapping and to get a good idea of the geology on the property. It is recommended that further lines be cut at 200foot intervals and detailed geological mapping and also a Proton Mag survey be done to aid in the mapping.

Certificate

I, Leslie Michael Dyment, residing in the township of Marquis, Ontario, and having a mailing address Jomi Minerals and 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,

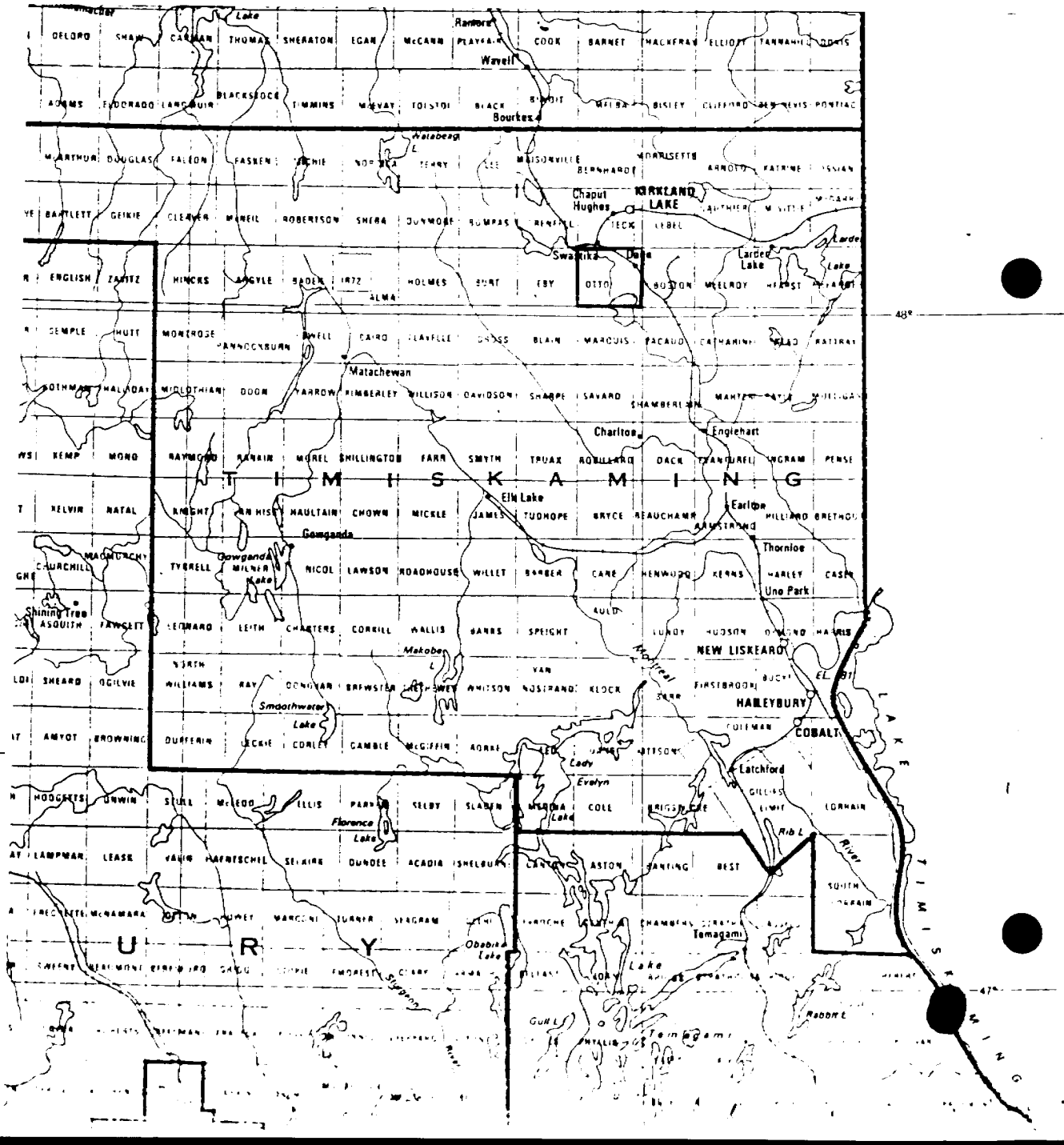
(2) That I have been employed in all phases of Mining Exploration and Developement for 18 years,

(3) That I did personally accumulate and set forth the facts and knowledge in the accompanying report and maps,

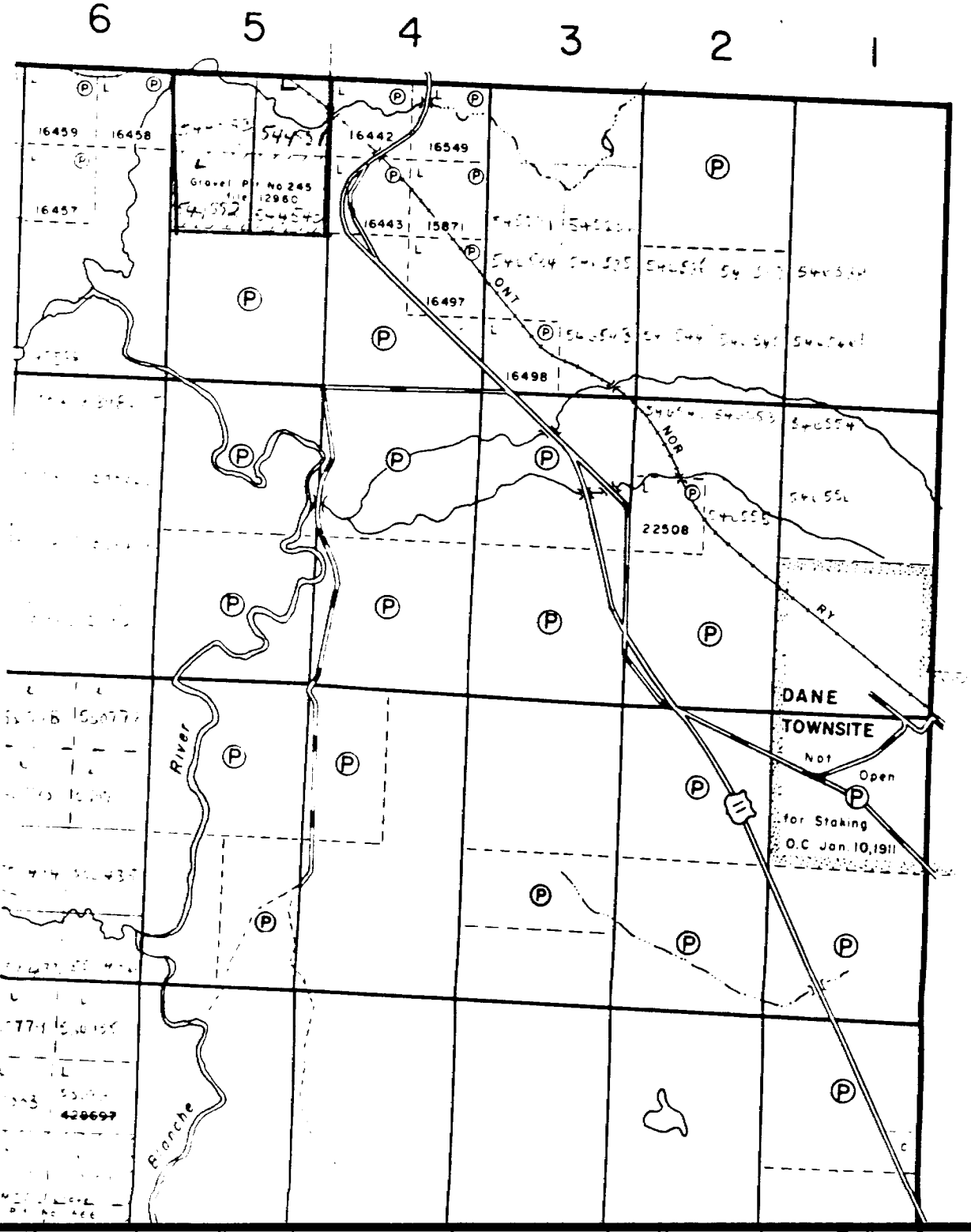
(4) That the accompanying report is true.

Dated July 12, 1980
Tarzwell, Ontario

Leslie Michael Dyment


Wawell
Bourkes
Chaput Hughes
KIRKLAND LAKE
Swastika
Dane
Larder Lake
Matachewan
Charlton
Englehart
T I M I S K A M I N G
Elk Lake
Earlton
Gowganda
Thornloe
Uno Park
Shining Tree
NEW LISKEARD
HAILEYBURY
COBALT
Latchford
Smoothwater Lake
Florence Lake
Obonga Lake
Tomagami
Lake Temagami
Rib L.
River
T I M I S K I N G
U R Y
47°
48°

< TP. - M.392



BOSTON TP. - M.332

Ontario

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File 2.3549

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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.

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MINING LANDS SECTION

Type of Survey(s) RADIOMETRIC SURVEY
Township or Area OTTO TWP
Claim Holder(s) MICHAEL DYMENT

Survey Company JOMI MINERALS & EXPEDITING
Author of Report MICHAEL DYMENT
Address of Author RR#1 TARZWELL, ONT
Covering Dates of Survey Aug 25 - Sept 4 1980
(linecutting to office)
Total Miles of Line Cut 3.8 miles

SPECIAL PROVISIONS CREDITS REQUESTED

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

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
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: Oct 26/80 SIGNATURE: _____
Author of Report or Agent

Res. Geol. _____ Qualifications 2.2903

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
	544551 1/2
	544552
	544553
	544540

If space insufficient, attach list

LARDER LAKE MINING DIV.
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NOV - 5 1980
AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

TOTAL CLAIMS _____

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 195 Number of Readings 200

Station interval 100 ft. Line spacing 400'

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 McPHAR TV-1A Spectrometer

Values measured Total Count

Energy windows (levels) 100 X

Height of instrument 2 Feet Background Count 100-120

Size of detector 43 Cu Cm.

Overburden minimum - medium

(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 _____



RADIOMETRIC SURVEY
DYMENT-KIDSTON GROUP
Otto twp.
LARDER LAKE MINING DIV.
NTS 42A/1

6CH. AEM
5CH. AEM
4CH. AEM

4 CHERTY TUFF
3 AMPHIBOLITE
2 GABBRO
1 BASALT

LEGEND

SCALE : 1 inch = 200 ft.
INSTRUMENT: McPhar TV-1A Spectrometer
READING : Total counts per minutes
Measurement range used: X100

42A01SE0150 2.3549 OTTO

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