010

2.13629

GEOLOGICAL REPORT ON

THE

WOODS ROAD PROPERTY

CARLING TOWNSHIP

BY: RAYMOND L. LASHBROOK

OCTOBER 24, 1990

INDEX

APPENDIX

PROPERTY:

The property is located in the Township of Carling. It consists of 10 unpatented claims of which this report covers only the four (4) central claims. The four (4) claims mapped are SO 1013352 to 1013355 inclusive.

LOCATION AND ACCESS:

The property is located on the west side of highway 69 approximately 15 kilometres northwest of the town of Parry Sound. Dinner Lake is located to the east of highway 69 and is partially covered by the larger group of claims.

PREVIOUS WORK:

No previous work has been reported from the property. The Department of Highways operate a quarry located immediately north of claim 1013353. This quarry supplies crushed rock for use on various roads and has been in use for about 25 years. The property was staked to cover a favourable building stone site reported by the Ministry of Northern Development and Mines (March 1989) in a report titled "Building Stone Opportunities in Central Ontario".

GRID:

An east-west baseline was established through the central portion of the property. Lines every 400 feet were established and chained north and south by a "field ranger". This instrument is calibrated to read to a 99% accuracy.

REGIONAL GEOLOGY:

The "Woods Road" Property is located in Carling Township near the southern end of the Britt Domain. The Britt Domain is composed of both mixed gneisses and orthogneisses. The property is located near the southern boundary of a lenticular unit of orthogneiss. This unit trends north-south for approximately 50 kilometers.

PROPERTY GEOLOGY:

The property contains a high percentage of outcrops (+50%). These orthogneisses form small hills with topography of approximately 50 feet maximum.

The property is underlain by orthogneisses which have been intruded by pegmatites and minor quartz veins.

The orthogneisses consist of variably layered units from 5mm to 20cm thick of feldspar, quartz, hornblende and biotite. These layers are of several distinct kinds namely

(a) a light coloured white to pinkish, coarse grained unit that contains approximately 60% feldspar, 30% quartz, 5-10% hornblende and 2-5% biotite. The hornblende usually predominates as the mafic mineral and occurs disseminated randomly as crystals to 3mm x 8mm.

(b) a reddish variety that contains reddish to dark pink feldspars (65%), quartz (30%) and mafic minerals to 5%. These layers are medium to coarse grained.

(c) a dark grey appearing unit that contains approximately 50% mafics (hornblende 70%, biotite 30%) set in a feldspar (30%) and quartz (20%) matrix.

(d) a narrow mafic 80% (biotite 60%, hornblende 40%) variety that separate some of the layering.

For the most part the mineral layering is usually ± 15%. Consequently the strike and dip taken from bedrock exposures can vary tremendously in one outcrop.

PEGMATITES:

Pegmatites intrude over most of the property but are minor in size, the largest being approximately 3 feet thick. In some outcrops they appear extensive but this is because of their flattish dip versus the dip of the outcrop.

The pegmatites contain mainly feldspar (white to salmon pink) and quartz. Minor mafic minerals usually hornblende predominates. In one pegmatite books of biotite to 2cm in diameter was observed.

The shallow dipping pegmatites in places appear to be just another layer of the gneisses being sub parallel to the local gneissic layering.

JOINTING:

The jointing pattern on the property is of prime concern as to the ability of the property to sustain a rock quarry for large blocks.

The jointing displays a variety of directions on the property. The predominate direction is from 330 degrees to 345 degrees with dips usually vertical to subvertical.

Numerous outcrops contain a low enough density of joints to make quarrying possible. However an extensive outcrop system starting around Line '0', 0-500' S extends to line 16 west, 1100 1400'S appears to be the best. The most massive portion of this zone occurs along line 400 west from 200 south to 800 south. It also possess good topography to start a quarry.

Horizontal sheeting was noted at several locations where abrupt changes in the outcrops topography occurred. However in the large area described above it does not appear to be a problem.

CONCLUSION:

The objective of the staking of this property was to locate an area large enough and free from jointing that could be bulk tested as a suitable site for a quarry.

The mapping of this property has located an area (L'0', 0 - 500'S to L1600W, 1100'S - 1400'S) that appears to fulfil the above criteria.

RECOMMENDATIONS:

It is recommended that the competent area described above should be the focus of the next phase of development of this property, namely

(a) a detailed mapping of the joint pattern

(b) the removal of small blocks, for cutting and polishing, at various angles to the gneissic layering in order to establish the optimum quarrying orientation.

(c) the quarrying of a few large blocks (16 - 20 tons) as a final bulk test.

CERTIFICATE

I, Raymond Lashbrook do hereby declare that

(a) I have no interest in the property.

(b) I graduated from Haileybury School of Mines in 1969 and have been practising my profession ever since

(c) I own a company called Lashex Ltd which performed the geological work on the property

(d) I reside at 973 Pine Creek Road, R.R.#1, Callander, Ontario P0H 1H0.

.....
Raymond L Lashbrook
October 24, 1990

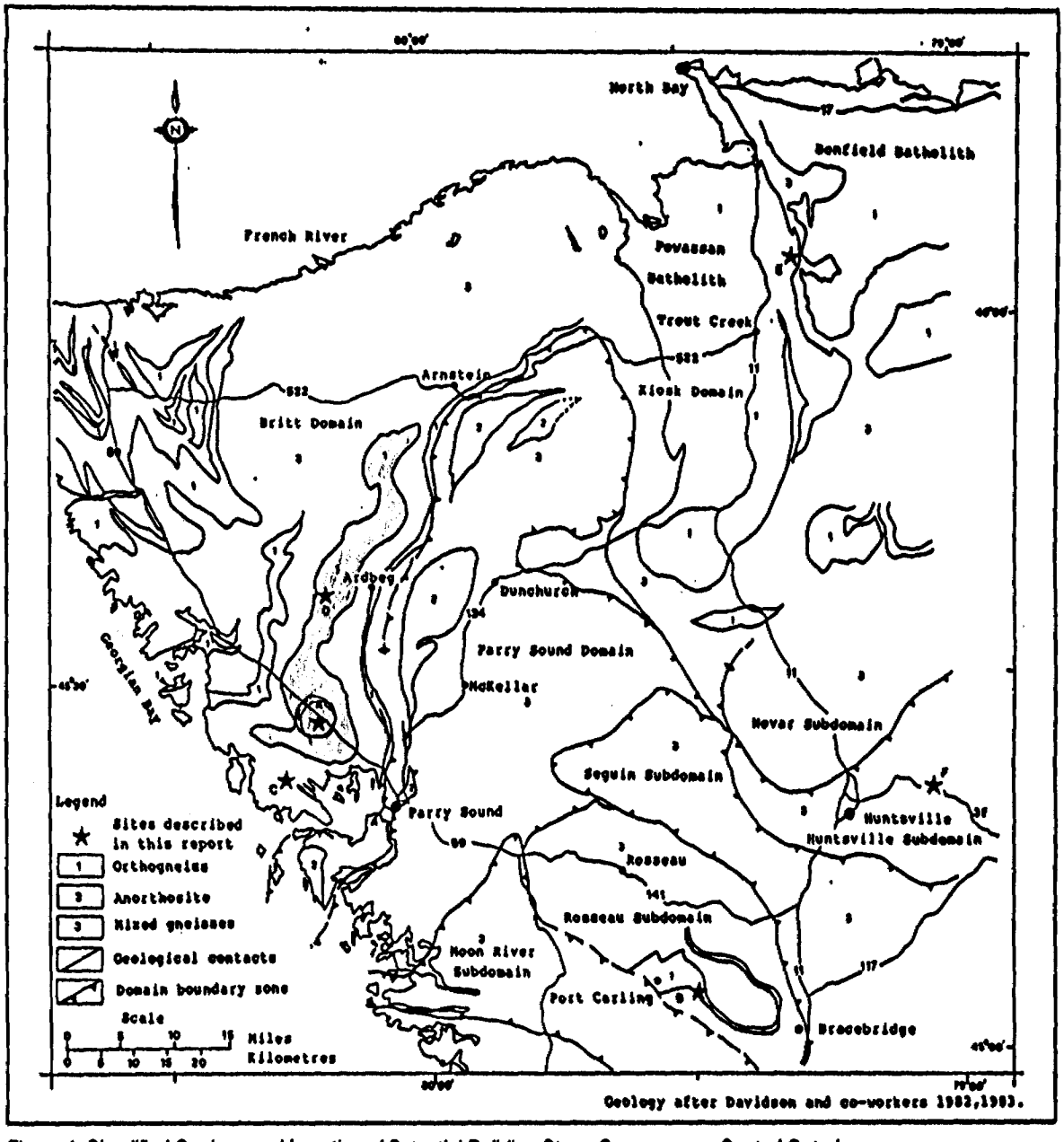

Figure 1: Simplified Geology and Location of Potential Building Stone Occurrences, Central Ontario.

Site A: Woods Road
Site B: Milford Bay
Site C: Killbear
Site D: Ardbeg
Site E: Genesee
Site F: Lehman Quarry

FROM "BUILDING STONE OPPORTUNITIES IN CENTRAL ONT."
MNDM, DORSET, ONT.

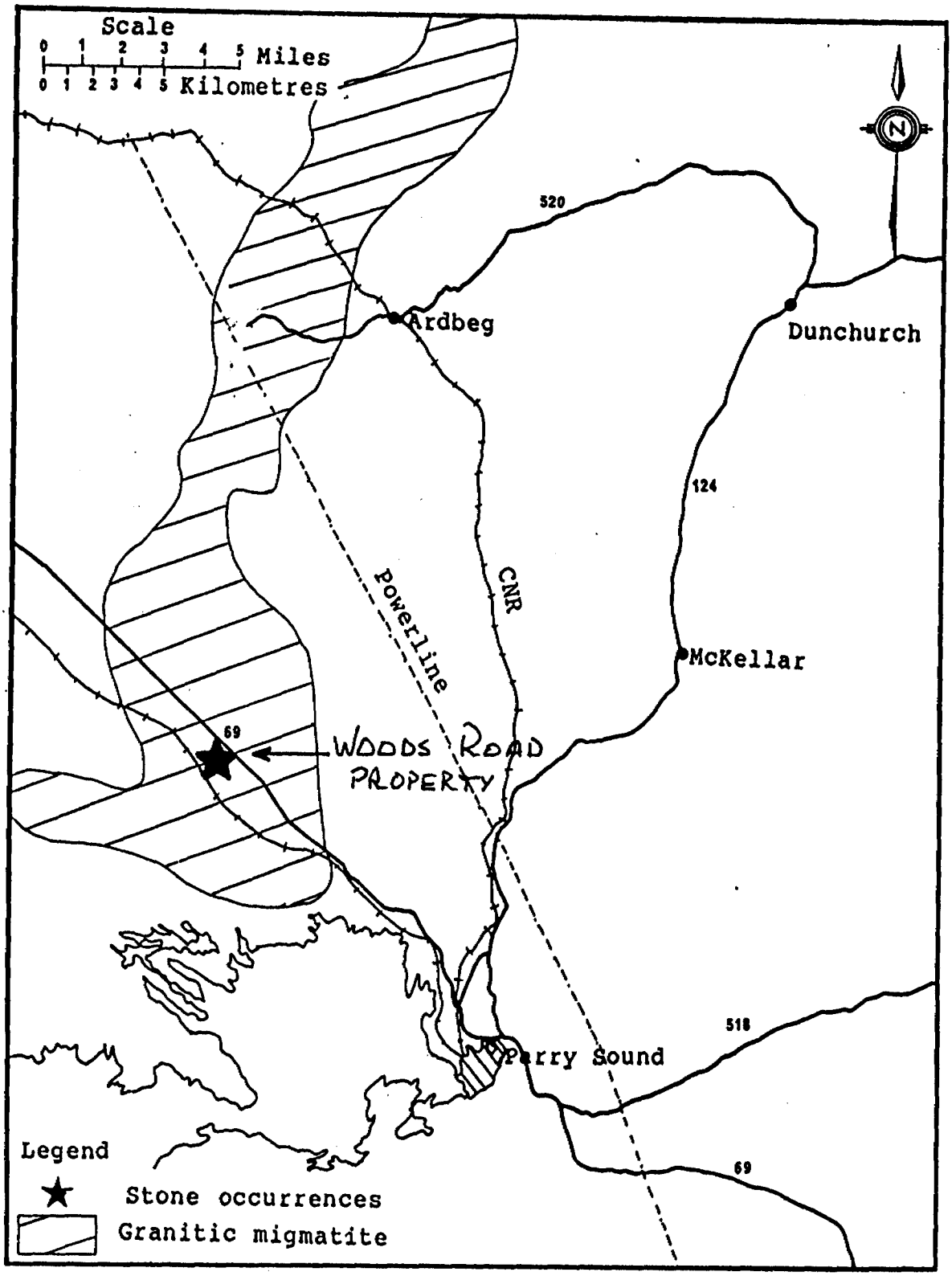

Figure 5: Location of Ardbeg Stone Occurrences.

From "Building Stone Opportunities in Central Ontario"
MNDM, Dorset, Ont.

RESIDENT EO. DORSET

Ministry of Northern Development and Mines

Ontario

41H09SW0004 2.13629 CARLING

900

DOCUMENT
W9009 • 61

- Please type or print.
- Refer to Section 77, the Mining Act for assessment work requirements and maximum credits allowed per survey type.
- If number of mining claims traversed exceeds space on this form, attach a list.
- Technical Reports and maps in duplicate should be submitted to Mining Lands Section, Mineral Development and Lands Branch:

Report of Work 2.13629

Mining Act

(Geophysical, Geological and Geochemical Surveys)

Type of Survey(s)	Mining Division	Township or Area
GEOLOGICAL ✓	SOUTHERN ONT	CARLING TWP M2297

Recorded Holder(s)	Prospector's Licence No.
~~HBC HOLDINGS LTD~~ RAYMOND LASHBROOK	T-5381

Address	Telephone No.
973 PINECREEK ROAD, CALLANDER, ONTARIO P0H 1H0 ~~#103c 200 W. PENDER ST., VANCOUVER, B.C. V6C2Y6~~	(705) 752-3242 ~~(604) 688-4856~~

Survey Company

LASHEX LTD RR#1 PINECREEK ROAD, CALLANDER, ONT P0H1H0

Name and Address of Author (of Geo-Technical Report)	Date of Survey (from & to)
RAYMOND LASHBROOK, 973 PINECREEK ROAD, CALLANDER, ONT.	2 OCT 1990 (Day / Mo. / Yr.) — 14 OCT '90 (Day / Mo. / Yr.)

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical	
	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Other	
	Geological	40
	Geochemical	

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Other	
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Other	

Total miles flown over claim(s).

Date	Recorded Holder or Agent (Signature)
Oct 11/90	Ray Lashbrook

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Mining Claim Prefix	Mining Claim Number	Mining Claim Prefix	Mining Claim Number
SO	1013352				
SO	1013353				
SO	1013354				
SO	1013355				

RECEIVED
OCT 19 1990
MINING LANDS SECTION

Total number of mining claims covered by this report of work. 4

Certification Verifying Report of Work

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

Name and Address of Person Certifying	Telephone No.	Date	Certified By (Signature)
RAYMOND LASHBROOK 973 PINECREEK ROAD CALLANDER ONT P0H1H0	(705) 752-3242	Oct 14/90	Ray Lashbrook

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
160	October 16, 1990	M M Chamberlain
	Date Approved as Recorded	Provincial Manager, Mining Lands
	Jan 4/91	Ron C Gashinski

Received Stamp

SOUTHERN ONTARIO MINING DIVISION
RECEIVED
OCT 16 1990
AM PM
7,8,9,10,11,12,1,2,3,4,5,6

1362 (89/06)

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

2.13629

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) GEOLOGICAL

Township or Area CARLING TOWNSHIP

Claim Holder(s) 1886 HOLDINGS LTD.

#1030-800 W. PENDER ST., VANCOUVER, B.C., V6C 2V6

Survey Company LASHEK LTD

Author of Report RAYMOND LASHBROOK

Address of Author 973 PINECREEK ROAD, CALLANDER, ONT. P0H1H0

Covering Dates of Survey Oct 2 – Oct 14, 1990
(linecutting to office)

Total Miles of Line Cut 4.66 mi

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	
–Other	
Geological	40
Geochemical	

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

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

DATE: Oct 24/90 SIGNATURE: Ray Lashbrook
Author of Report or Agent

Res. Geol. _____ Qualifications 2.3075

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
SO	1013352
SO	1013353
SO	1013354
SO	1013355

If space insufficient, attach list

TOTAL CLAIMS 4

OFFICE USE ONLY

837 (5/79)

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 _____

_____

_____

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 _____

_____

_____

_____

_____

_____

_____

_____

_____

_____

M.L. SECTION

RESIDENT EO. DORSET

November 16

December 15

Ministry of Northern Development and Mines

Ontario

DOCUMENT No. W9009 • 61

Instructions
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Report of Work 2.13629

(Geophysical, Geological and Geochemical Surveys)

Type of Survey(s)	Mining Division	Township or Area
GEOLOGICAL ✓	SOUTHERN ONT	CARLING TWP. M2297

Recorded Holder(s)	Prospector's Licence No.
~~1886 HOLDING LTD~~ RAYMOND LASHBROOK	T-5381

Address	Telephone No.
973 PINECREEK ROAD, CALLANDER, ONTARIO P0H 1H0 ~~#1030 200 W PENDER ST, VANCOUVER, B.C. V6C 2Y6~~	(705) 752-3242 (604) 688-4850

Survey Company

LASHEX LTD RR#1 PINECREEK ROAD, CALLANDER, ONT P0H 1H0

Name and Address of Author (of Geo-Technical Report)

RAYMOND LASHBROOK, 973 PINECREEK ROAD, CALLANDER, ONT.

Date of Survey (from & to): 2 OCT 1990 (Day / Mo. / Yr.) — 14 OCT 90 (Day / Mo / Yr.)

Credits Requested per Each Claim in Columns at right

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	Geophysical - Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical - Other	
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	Geochemical	

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical - Electromagnetic	
	Geophysical - Magnetometer	
	Geophysical - Other	
	Geological	
	Geochemical	

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Other	

Total miles flown over claim(s).

Date: Oct 11/90 — Recorded Holder or Agent (Signature): Ray Lashbrook

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Mining Claim Prefix	Mining Claim Number	Mining Claim Prefix	Mining Claim Number
SO	1013352	✓			
SO	1013353	✓			
SO	1013354	✓			
SO	1013355	✓			

RECEIVED

OCT 19 1990

MINING LANDS SECTION

COPY

Total number of mining claims covered by this report of work: 4

Certification Verifying Report of Work

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

Name and Address of Person Certifying: RAYMOND LASHBROOK 973 PINECREEK ROAD CALLANDER, ONT P0H1H0

Telephone No. (705) 752-3242 — Date: Oct 14/90 — Certified By (Signature): Ray Lashbrook

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SOUTHERN ONTARIO MINING DIVISION
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OCT 16 1990

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Total Days Cr. Recorded	Date Recorded	Mining Recorder
	October 16, 1990	[signature]

THE TOWNSHIP OF CARLING

DISTRICT OF PARRY SOUND

SOUTHERN ONTARIO MINING DIVISION

SCALE : I-INCH = 40 CHAINS

LEGEND

PATENTED LAND	● or (P)
CROWN LAND SALE	C.S.
LEASES	(L)
LOCATED LAND	Loc
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	C.
PATENTED S.R.O.	(P)

NOTES

400' Reserve to the Dept of Lands & Forests shown thus

For status of summer resort locations shown thus & islands in Georgian Bay Please contact Dept of Lands & Forests

This Map Is Not To Be Used –FOR SURVEY PURPOSES–

Land under Georgian Bay withdrawn from staking by Order in Council dated April 30, 1912

Area indicated thus withdrawn from staking and reserved for proposed Provincial Park — No permit for gravel to be issued in this area

Withdrawn from Staking under Section 43 of the Mining Act (RSO.-1970).

(43) File	Date	Disposition
27126	19-Aug-70	S.R.&M.R.
W 64/83 188533	15/9/83	S.R.&M.R.
	21/3/86	S.R.O.

SAND AND GRAVEL

(G) Quarry Permit

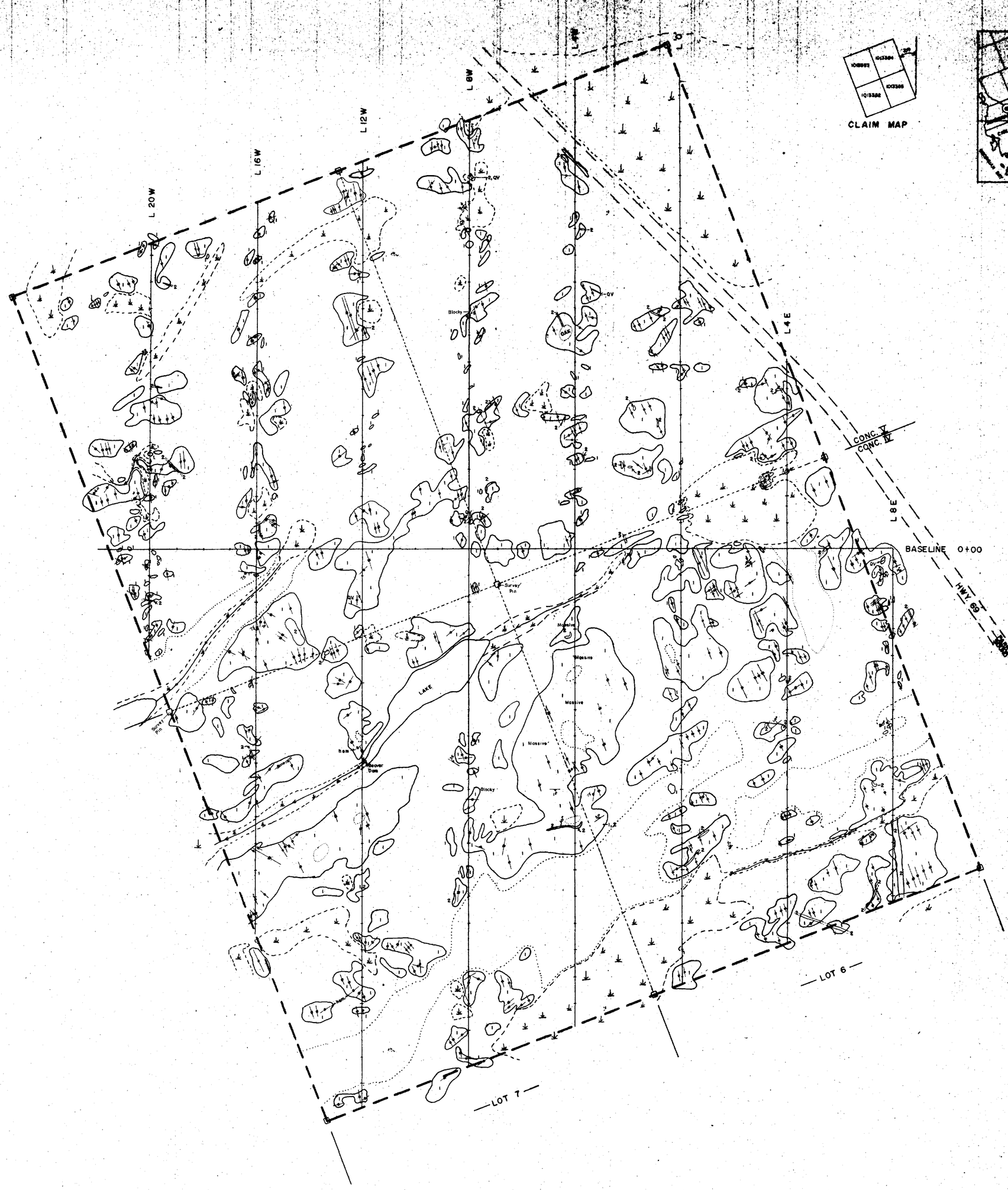
RES. GEO. DORSET
M.N.R. DIST. PARRY SOUND

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON

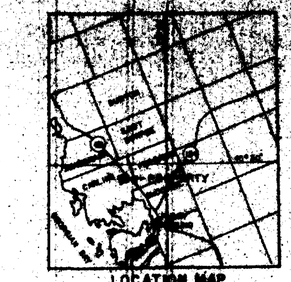
DATE OF ISSUE
OCT 01 1990
SOUTHERN ONTARIO MINING DIVISION

PLAN NO. M-2297

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH



CLAIM MAP



LEGEND

1	Feldspar–Quartz–Hornblende–Biotite Gneiss
2	Pegmatite
Q.V.	Quartz Vein
hem.	Hematite stained
	Joint - vertical , inclined
	Gneissosity
	Wooded Areas
	Swamp

2.13629

1886 HOLDINGS LTD.

GEOLOGY MAP
WOODS ROAD PROPERTY
CARLING TOWNSHIP

Scale : 1" = 200'
Drawn By : R.L.L.
Date : OCT., 1990
N.T.S. : 41-H-8