



32D045E0022 2.8142 MCVITTIE

010

REPORT ON
VLF ELECTROMAGNETIC SURVEY
ON
PEARL BEACH PROPERTY
M^CVITTIE TOWNSHIP
LARDER LAKE MINING DIVISION
ONTARIO

By M. LEAHY

MAY, 1985

RECEIVED

MAY 2 1985

MINING LANDS SECTION

*201
22689*



32D04SE0022 2.8142 MCVITTIE

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INDEX

CONTENTS	PAGE NUMBER
Introduction	1- 2
Location	1
Access	1
History	1- 2
Geology	2
Electromagnetic Survey	2- 3
General	2
Results of Survey	3
Conclusions & Recommendations	3
Certificate	4

The claims herein described are numbered as follows: L- 736713
L- 736714
L- 736715
L- 736716
L- 736717

INTRODUCTION

- LOCATION:** The property herein described consists of five unpatented mining claims in the southeast corner of M^cVittie Township. One small bay of Larder Lake extends across the eastern boundary of the group while the main body of the lake extends several miles to the south. Highway 66, which joins the towns of Larder Lake to the west and Virginiatown to the east, passes one half mile north of the property.
- ACCESS:** The Pearl Beach road leads south from highway 66 at Bear Lake to the north shore of Larder Lake at Pearl Beach. This road passes about five hundred feet east of and parallel to the west boundary. The road is gravel based and can be travelled by car in the dry season. Winter access is by snow machine down the Pearl Beach road or across the ice of Larder Lake from the town of Larder Lake by snow machine or car when conditions permit.
- HISTORY:** The only previous work done on the property was performed by Great Larder Gold Mines Limited in 1949- 50. Consultant for the company at that time was J.P. Jewell, of Virginiatown. The property at that time consisted of 35 claims extending south of the location of the present group. Of the 14 holes drilled at that time, all but three were collared within the present group. Results were discouraging, however, and the claims were eventually allowed to lapse. Interest was again aroused in the area in 1979 when airborne magnetic and electromagnetic surveys were conducted over M^cVittie Township by the MNR. Preliminary map No. P-2266- M^cVittie Twp., shows a strong electromagnetic conductor traversing the
- cont'd.

HISTORY, continued:

southeast portion of the property. The present five claims were staked in the spring of 1984 and the survey herein described was conducted in the spring of 1985. Ownership of the property is as follows: M. Leahy - 50% and C. Forbes - 50%.

GEOLOGY

The Larder Lake break passes one half mile north of the property. The claims are underlain by Timiskaming sediments which are intruded by a few Algoma syenite dikes. A high ridge of Huronian sediments overlies the above-mentioned formations along the east half of the southern boundary. Low gold values have been reported from previous drilling by Great Larder G.M.L. Only six logs (9 - 14) are left in the file at the Resident Geologist's office in Kirkland Lake. No assay values are given but a talc-chlorite schist zone, some carbonatization, massive sulfide mineralization and faulting were reported. A more detailed description of the geology may be found in the Prospectus of Great Larder G.M.L. in the Resident Geologist's files at Kirkland Lake. Coloured map no. 50 b also covers the group, (out of print).

ELECTROMAGNETIC SURVEY

GENERAL: On March 26, 1985, a VLF Electromagnetic survey was conducted over the property by A. Black and M. Leahy. Lines were chained and flagged, in a N-S direction at 400' intervals, and stations were established every 100'. A total of 3.1 miles of line were traversed and 173 readings were taken. The transmitter used was Cutler, Maine and the instrument used was a Geonics EM- 16. All readings were taken facing north making north dips positive. Readings were taken in % and plotted on a map with a scale of 1" = 200'. The vertical scale of the resulting profiles was 1" = 50%. The out of phase (quadrature) was also noted and plotted with a vertical scale of 1" = 50.

ELECTROMAGNETIC SURVEY

RESULTS OF SURVEY: Several conductive zones were found on the property as can be seen on the accompanying map. All but one of these conductors are probably overburden responses. The single interesting conductor coincides with the airborne anomaly near the southeast corner of the property. This conductor is characterized by moderate dip angles across a 400' space with an atypical negative out-of phase (quadrature reversal) indicating a strong, possibly graphitic or sulfide source.

CONCLUSIONS AND RECOMMENDATIONS

Since the property is only one half mile south of the Larder Lake break and is underlain by Timiskaming sediments, it is what could be termed an ideal geological setting for gold mineralization. Algoma syenite dikes in the same sedimentary formation to the east in M^cGarry Township produce low grade ore (.08 oz/ton) at the Kerr Addison mine. Most of the ore mined at Kirkland Lake was also in an Algoma syenite-Timiskaming sediment complex. The suggestion of strong faulting by the presence of a talc-chlorite schist zone (typical of the L.L. break), carbonatization, quartz stock works, sulfide mineralization, EM conductivity, and some gold values are all favourable indications for gold deposition in this area.

Diamond drill hole no. 2, drilled by GLGML, should have cut the above- mentioned conductor; but, since the logs are lost, it is recommended that a 500' diamond drill hole be sunk to cut the conductor near the eastern boundary of the group. An examination of all previously worked showings on the property is also recommended especially in the northwest corner where a N- S fault has been suggested by Jewell.

May 1985
M. Leahy

Michael Leahy

CERTIFICATE

- 1- I am a graduate in Prospecting Techniques from the Northern College of Applied Arts and Technology, Haileybury campus, 1976. I have been active as a prospector and contractor since 1974.
- 2- I am a member in good standing of the Prospectors and Developers Association, the Canadian Institute of Mining and Metallurgy, the Northern Prospectors Association, and I reside and hold office at 139 Carter Ave., Kirkland Lake, Ontario.
- 3- I have a 50% interest in the Pearl Beach property.
- 4- My report is based on having personally conducted the VLF survey, interpretation of the results, and upon my familiarity and experience as a prospector in the Kirkland Lake gold area.

Kirkland Lake
May, 1985

Signed

Michael Leahy

M. Leahy
Prospector



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900

Mining Lands Section

File No 2.8142

Control Sheet

TYPE OF SURVEY



GEOPHYSICAL



GEOLOGICAL



GEOCHEMICAL



EXPENDITURE

MINING LANDS COMMENTS:

lqd.

10

J. Hurst

Signature of Assessor

85-05-24

Date



Report of Work
(Geophysical, Geological,
Geochemical and Expenditures)

28142

Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

777 May 15th 1985
\$125

Mining Act

Type of Survey(s): VLF ELECTROMAGNETIC Township or Area: McUittie Twp.

Claim Holder(s): Michael LEAHY Prospector's Licence No.: K18263

Address: 139 Carter Ave. Kirkland Lake, Ont. P2N 2A1

Survey Company: M. Leahy Date of Survey (from & to): 26 3 85 to 26 3 85 Total Miles of line Cut: 3

Name and Address of Author (of Geo-Technical report): M. Leahy 139 Carter Ave. K.L.

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	20
For each additional survey: using the same grid: Enter 20 days (for each)	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Geological	
	Geochemical	
	Electromagnetic	Days per Claim
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend. Days Cr.
L	736713	20
	736714	20
	736715	20
	736716	20
	736717	20

RECEIVED
APR 10 1985
MINING LANDS SECTION

CARTER LAKE
MAY 10 1985
MAR 26 1985
AM 7 13 1985

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures \$ ÷ 15 = Total Days Credits

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Total number of mining claims covered by this report of work. **5**

Date: March 27/1985 Recorded Holder or Agent (Signature): Michael Leahy

For Office Use Only

Total Days Cr. Recorded: 100 Date Recorded: MAR 26 1985 Mining Recorder: [Signature]

Date Approved as Recorded: [Signature] By: [Signature]

Certification Verifying Report of Work

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

Name and Postal Address of Person Certifying: Michael LEAHY 139 Carter Ave K.L.

Date Certified: March 27, 1985 Certified by (Signature): Michael Leahy

REGISTERED

May 15, 1985

Report of Work #125

Michael Leahy
139 Carter Avenue
Kirkland Lake, Ontario
P2N 2A1

Dear Sir:

RE: Mining Claims L 736713, et al,
in McVittie Township

I have not received the reports and maps (in duplicate)
for the Geophysical (Electromagnetic) Survey on the
above-mentioned Claims.

As the assessment "Report of Work" was recorded by
the Mining Recorder on March 26, 1985, the 60 day period allowed
by Section 77 of the Mining Act for the submission
of the technical reports and maps to this office
will expire on May 25, 1985.

If the material is not submitted to this office by May 25, 1985,
I will have no alternative but to instruct the Mining
Recorder to delete the work credits from the claim
record sheets.

For further information, please contact Mr. Arthur Barr
at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

A. Barr:mc

cc: Mining Recorder
Kirkland Lake, Ontario

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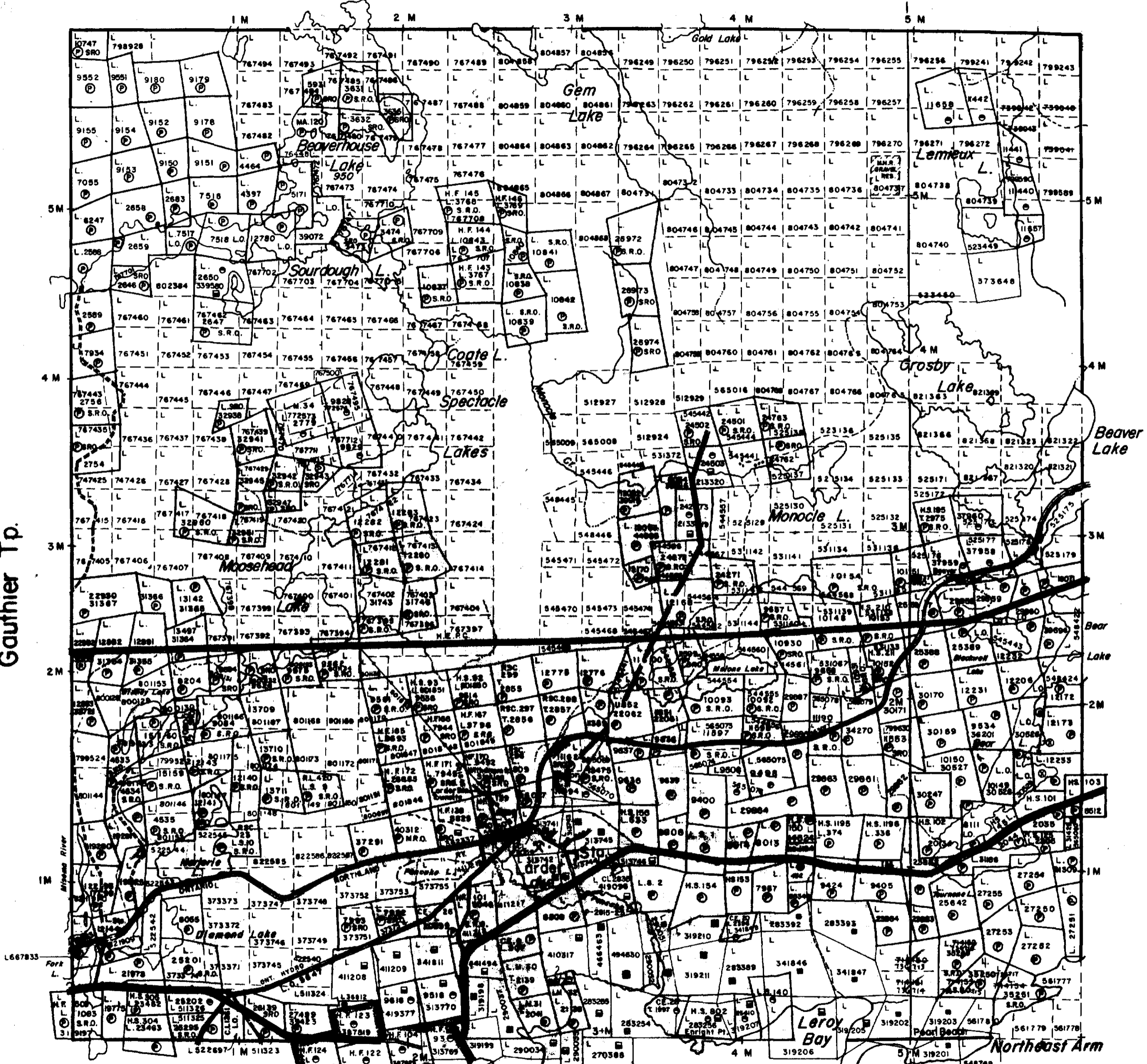
736713	✓																		
14	✓																		
15	✓																		
16	✓																		
17	✓																		

2.

Katrine Tp.

MUNICIPALITY OF LARDER LAKE

IMPROVEMENT DISTRICT OF
MC GARRY



NOTE
STAKING OF MINING CLAIMS WITHIN
TOWN OF LARDER LAKE - SUBJECT
TO SEC. 57(d) OF MINING ACT (R.S.O. 1970).

LEGEND

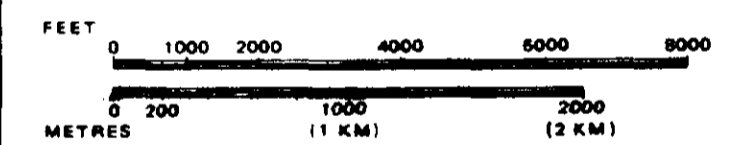
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
TOWNSHIPS, BASE LINES, ETC.
- LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
LOT LINES
- PARCEL BOUNDARY
- MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP

M^cVITTIE

M.N.R. ADMINISTRATIVE DISTRICT

KIRKLAND LAKE

MINING DIVISION

LARDER LAKE

LAND TITLES / REGISTRY DIVISION

TIMISKAMING



Ministry of Land
Natural Resources Management
Branch

Date SEPTEMBER 1984

Number
G-3163

MAY 28 1985



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VLF ELECTROMAGNETIC SURVEY

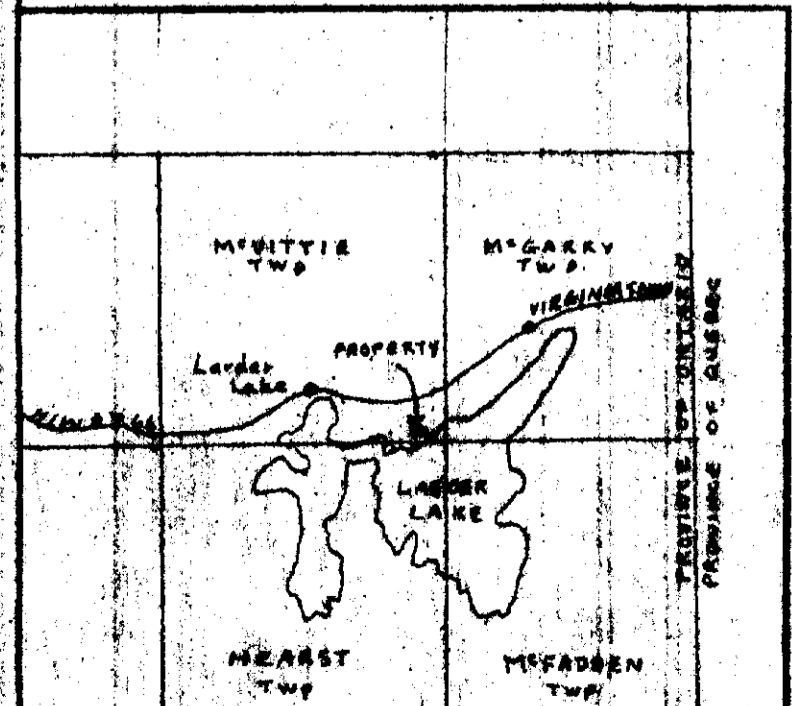
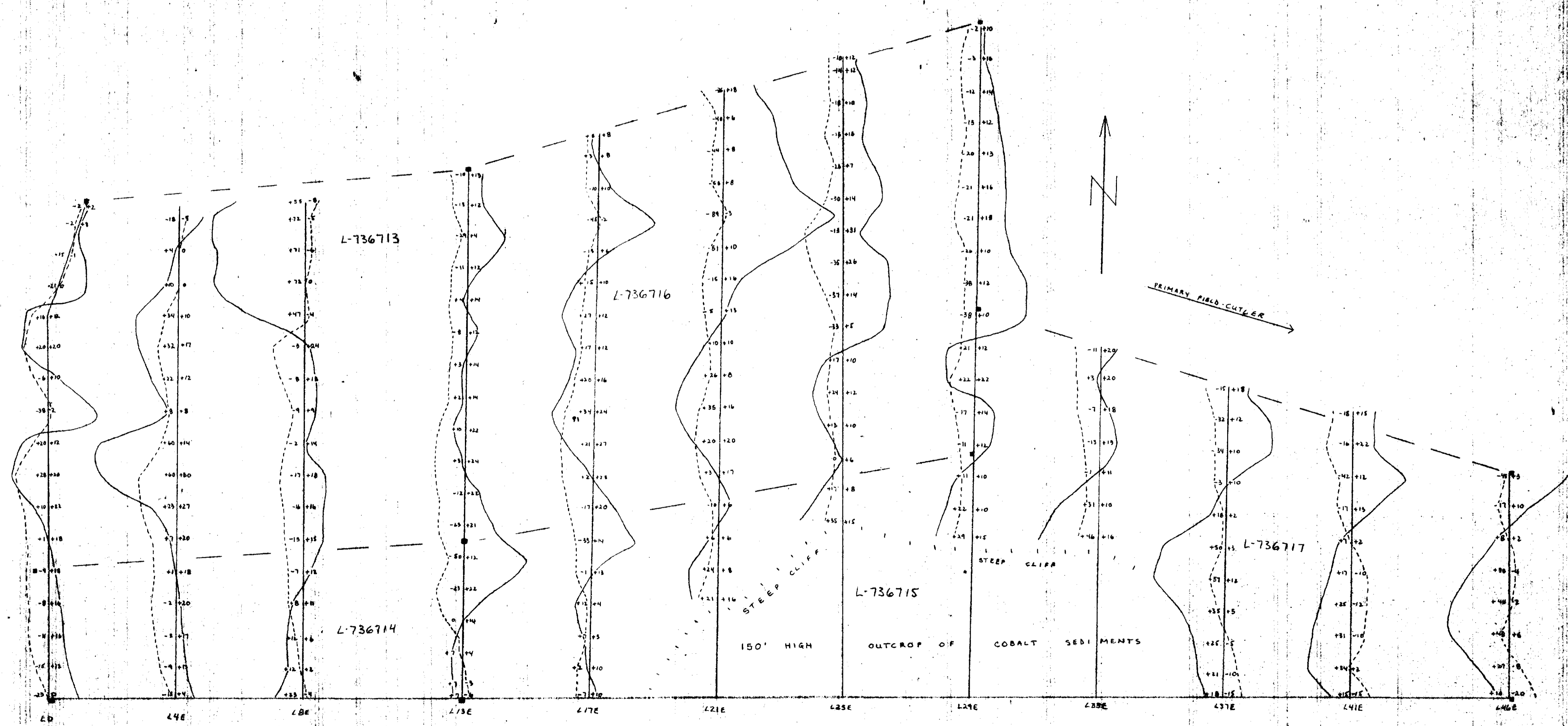
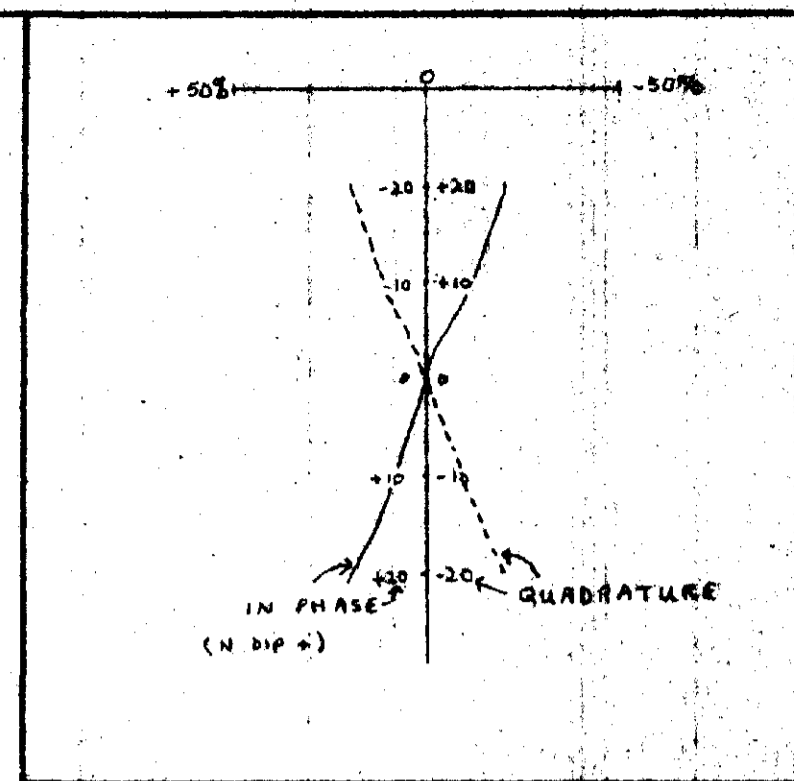
PEARL BEACH PROPERTY

M^cVITTIE TWP

ONTARIO

SCALE - 1" = 200'

7188



Michael L. ... May 1985