WEG PROPERTY
REPORT ON
MAGNETIC AND ELECTROMAGNETIC
SURVEYS

9 April 1985

E. O. Andersen

Location, Access and Topography

The Weg Property encompasses nine unpatented claims:

L797356	L799701
L797357	L799702
L797358	L799703
L797359	
L797362	
L797363	

The claims are located in Maisonville Township, east of Kapikita Lake and north of Wewegimok Lake. Access to the property is via Highway 570 to within one mile of Kipikita Lake, then by trail to the lake and by boat or snowmachine across Kapikita Lake. Plate 1 shows the location of the claims.

The property lies in an area of undulating hills with considerable bedrock exposure. Swampy areas exist in the northeast and westcentral parts of the property. A creek flows through the western part of the property and empties into Wewegimok Lake.

General Geology and Previous Work

Maisonville Township was mapped by H. Lovell at a scale of 1 inch to ½mile (Report 92, map 2215, ODM 1971). The property is underlain by mafic to intermediate metavolcanics which have been intruded by gabbros and syenites. The general geology, after Lovell, is indicated on Plate 1.

No previous work has been done on the claims by the present claim holders.

Geophysical Surveys - Results and Interpretation

a) Magnetic Survey

The magnetic survey shows a major NE-SW trend across the centre of the property. This trend has a maximum amplitude of 800 to 1000 nänoteslas (nT). It is likely that this feature reflects a magnetite-rich syenitic unit as mapped by Lovell. There are several other isolated magnetic highs which may indicate magnetite-rich local intrusives.

In general, the magnetic relief is very low, indicating no major geological features other than the noted intrusives. In particular, there is no clear indication of the N-S fault indicated by Lovell to exist in the western part of the property.

b) Electromagnetic Survey

The horizontal loop EM survey was done using a coil spacing of 50 metres. The results from this survey are quite noisy, most probably as a result of less than ideal coil orientation due to rugged local topography. Since coil misorientation mainly affects the in-phase component, the interpretation of the results has relied on the out-of-phase component.

Anomaly A, striking N-S in the western part of the property is quite definate. This anomaly is coincident with a major ravine and is interpreted to coincide with the previously noted N-S fault. The interpreted width of the conductor is indicated on Plate 3. The interpreted depth to the top of the conductor on Line 3N is approximately 10 metres.

Anomaly B is less well defined. It is only clearly indicated on Line 4N. It's indicated extention onto Lines 3N and 2N is somewhat speculative

especially considering that a major magnetic feature appears to cross-cut the EM anomaly. Nevertheless the interpretation shown on Plate 3 is possible allowing for a late, cross-cutting dike as indicated by the magnetics that has not offset the conductive unit.

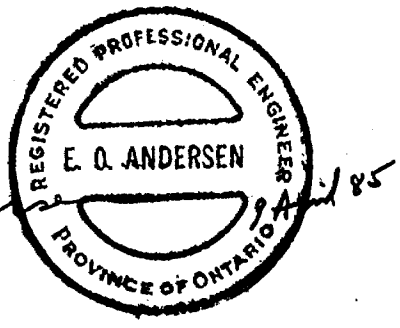
Anomaly c is poorly defined. Line-to-line correlation of this anomaly is uncertain. The strength of the response is weak.

Recommendations

Anomaly A is the only clear potential drill target located. It could be drill tested on either Line 2N or 3N.

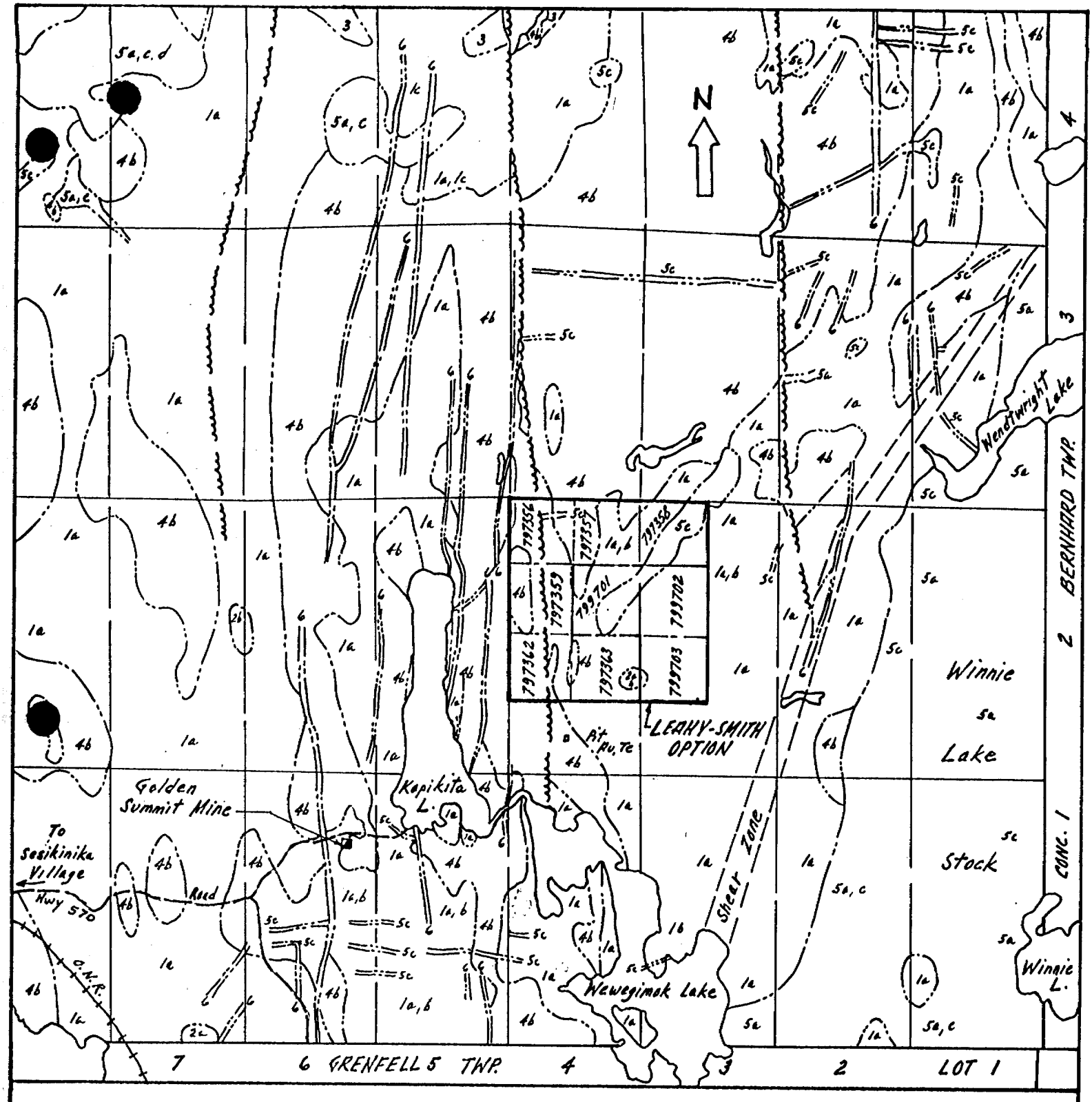
Anomalies B and C are poor responses and should be better defined prior to drilling. It is recommended that a horizontal loop EM survey using a coil spacing of approximately 100 metres be completed prior to final drilling consideration. Care should be taken during additional horizontal loop EM surveying to keep topographic noise to a minimum.

QUEENSTON GOLD MINES LIMITED



Erik Andersen, P.Eng.
Manager, Mining and Exploration
Kirkland Lake, Ontario

Attachments:	Plate 1	1" = 2640'	Location Map and General Geology
	Plate 2	1 : 2500	Magnetic Survey
	Plate 3	1 : 2500	Electromagnetic Survey HLEM



LEGEND

- 6 Diabase
- 5 Granite, Syenite, Syn. Porphyry
- 4b Gabbro, Diorite
- 3 Slate, Chert, tuff
- 2 Dacite
- 1 Basalt, Andesite, matic metavolcanics

LOCATION AND GENERAL GEOLOGY

— WEG PROPERTY —

MAISONVILLE TWP.

N.T.S. - 42A1-G

SCALE - 1" = 2640'

MAY 1/84

PLATE 1

Ontario Ministry of Natural Resources

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

(File L 797356)

42A01NE0049 2.7996 MAISONVILLE

900

Type of Survey(s): MAGNETIC AND ELECTROMAGNETIC	Township or Area: MAISONVILLE
Claim Holder(s): M. LEAHY AND QUEENSTON GOLD MINES LIMITED	Prospector's Licence No.: K 18263 T770
Address: P.O. BOX 193 KIRKLAND LAKE ONT [redacted] P2N 3H7	
Survey Company: GUY THIBEAULT GEOPHYSICAL SERVICES AND QUEENSTON GOLD MINES LIMITED	Date of Survey (from & to): Day 1, Mo. 05, Yr. 84 — Day 05, Mo. 04, Yr. 85
Total Miles of line Cut: 7.5 km	
Name and Address of Author (of Geo-Technical report): ERIK O. ANDERSEN % P.O. BOX 193 KIRKLAND LAKE, ONT P2N 3H7	

Credits Requested per Each Claim in Columns at right

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

RECORDER LANDS MINING DIV. RECEIVED MAR 27 1985 AM 7 8 9 10 11 12 1 2 3 4 5 6 PM

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
L.	797356				
	797357				
	797358				
	797359				
	797362				
	797363				
	799701				
	799702				
	799703				

RECEIVED APR 09 1985 MINING LANDS SECTION

Total number of mining claims covered by this report of work: 9

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.

For Office Use Only		
Total Days Cr. Recorded: 360	Date Recorded: MAR 27 1985	Mining Recorder:
	Date Approved as Recorded: 85.4.24	Provincial Director:

Date: 27 March 85 — Recorded Holder or Agent (Signature): Erik Andersen

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: ERIK ANDERSEN, % P.O. BOX 193, KIRKLAND LAKE, ONT P2N 3H7

Date Certified: 27 March 1985 — Certified by (Signature): Erik Andersen

3362 (81/9)

SUMMARY OF CREDITS REQUESTED

CLAIM NUMBER	LINECUTTING days	MAGNETICS days	ELECTROMAGNETICS days	TOTAL days
L 797356	20	20		40
L 797357	20	20		40
L 797358	20	20		40
L 797359	20	20	20	60
L 797362	nil *	20		20
L 797363	nil *	20		20
L 799701	20	20	20	60
L 799702	20	20	20	60
L 799703	nil *	20		20

*Note Magnetic surveys on these claims were run on previously existing lines - no new credit for linecutting is claimed.

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

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) Magnetic and Electromagnetic

Township or Area Malsonville township

Claim Holder(s) M. Leahy and Queenston Gold Mines Limited

Survey Company Guy Thibault Geophysical Services and Queenston Gold Mines Limited

Author of Report Erik O. Andersen

Address of Author c/o Box 193 Kirkland Lake, Ont. P2N 3H7

Covering Dates of Survey June 1984 to April 1985 (linecutting to office)

Total Miles of Line Cut 7.5 km

SPECIAL PROVISIONS CREDITS REQUESTED	See attached Summary Sheet	DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	Geophysical	
	--Electromagnetic	
	--Magnetometer	
	--Radiometric	
ENTER 20 days for each additional survey using same grid.	--Other	
	Geological	
	Geochemical	

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

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

DATE: 27 March 1985 SIGNATURE: Erik O. Andersen
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
L	797356
L	797357
L	797358
L	797359
L	797362
L	797363
L	799701
L	799702
L	799703

If space insufficient, attach list

TOTAL CLAIMS 9

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 Electromagnetic Survey: 192 / Magnetic Survey: 502 Number of Readings EM: 192 / Magnetic: 796

Station interval 25 metres (many closer spaced mag read.) Line spacing 120 metres

Profile scale Elecromagnetics: 1 cm = 10%

Contour interval Magnetics: 250 gammas (nT)

MAGNETIC

Instrument Geometrics GM 816 nuclear precession and Gem Systems GSM 8

Accuracy -- Scale constant ± 5 gammas

Diurnal correction method Baseline looping

Base Station check-in interval (hours) ½ hour

Base Station location and value at intersection of Baseline with cross lines.

ELECTROMAGNETIC

Instrument Apex Parametrics MaxMin II

Coil configuration Horizontal, co-planar (horizontal loop)

Coil separation 50 metres

Accuracy ± 1%

Method: ☐ Fixed transmitter ☐ Shoot back ☒ In line ☐ Parallel line

Frequency 1777 hertz
(specify V.L.F. station)

Parameters measured in phase and out-of-phase components of the secondary magnetic field in relation to the primary magnetic field

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

SUMMARY OF CREDITS REQUESTED

CLAIM NUMBER	LINECUTTING days	MAGNETICS days	ELECTROMAGNETICS days	TOTAL days
L 797356	20	20		40
L 797357	20	20		40
L 797358	20	20		40
L 797359	20	20	20	60
L 797362	nil *	20		20
L 797363	nil *	20		20
L 799701	20	20	20	60
L 799702	20	20	20	60
L 799703	nil *	20		20

*Note Magnetic surveys on these claims were run on previously existing lines - no new credit for linecutting is claimed.

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 _____

Mining Lands Section

File No 2.7996

Control Sheet

TYPE OF SURVEY ✓ GEOPHYSICAL

____ GEOLOGICAL

____ GEOCHEMICAL

____ EXPENDITURE

MINING LANDS COMMENTS:

lgd

LD

Signature of Assessor

17/4/85

Date

Queenston
gold mines limited

4 AL WENDE AVENUE
P.O. BOX 193
KIRKLAND LAKE, ONT. P2N 3H7

(705) 567-3261

9 April 1985

Lands Management Branch
Ministry of Natural Resources
Room 6610
Whitney Block, Queens Park
99 Wellesley St. West
Toronto, Ontario M7A 1W3

Dear Sirs,

Re: Your File L 797356

Please find enclosed two copies of a Report of Work covering a geophysical survey on nine claims. Your form 1362 was filed with the Larder Lake Mining Division Mining Recorder in Kirkland Lake on 27 March 1985.

I trust you will find everything in order. If you have any questions please do not hesitate to give me a call.

Yours truly,

Erik Andersen
Manager, Mining and Exploration

	Em	mag	
797556		✓	
357		✓	
358		✓	
359	✓	✓	
362		✓	
363		✓	
799701	✓	✓	
702	✓	✓	
703		✓	

BENOIT TWP. - M.326

LEE TWP. - M.360

BERNHARDT TWP. - M.327

GRENFELL TWP. - M.351

THE TOWNSHIP
OF

MAISONVILLE

DISTRICT OF
TIMISKAMING

LARDER LAKE
MINING DIVISION

SCALE: 1-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.	⊖

NOTES

400' surface rights reservation along the shores of all lakes and rivers.

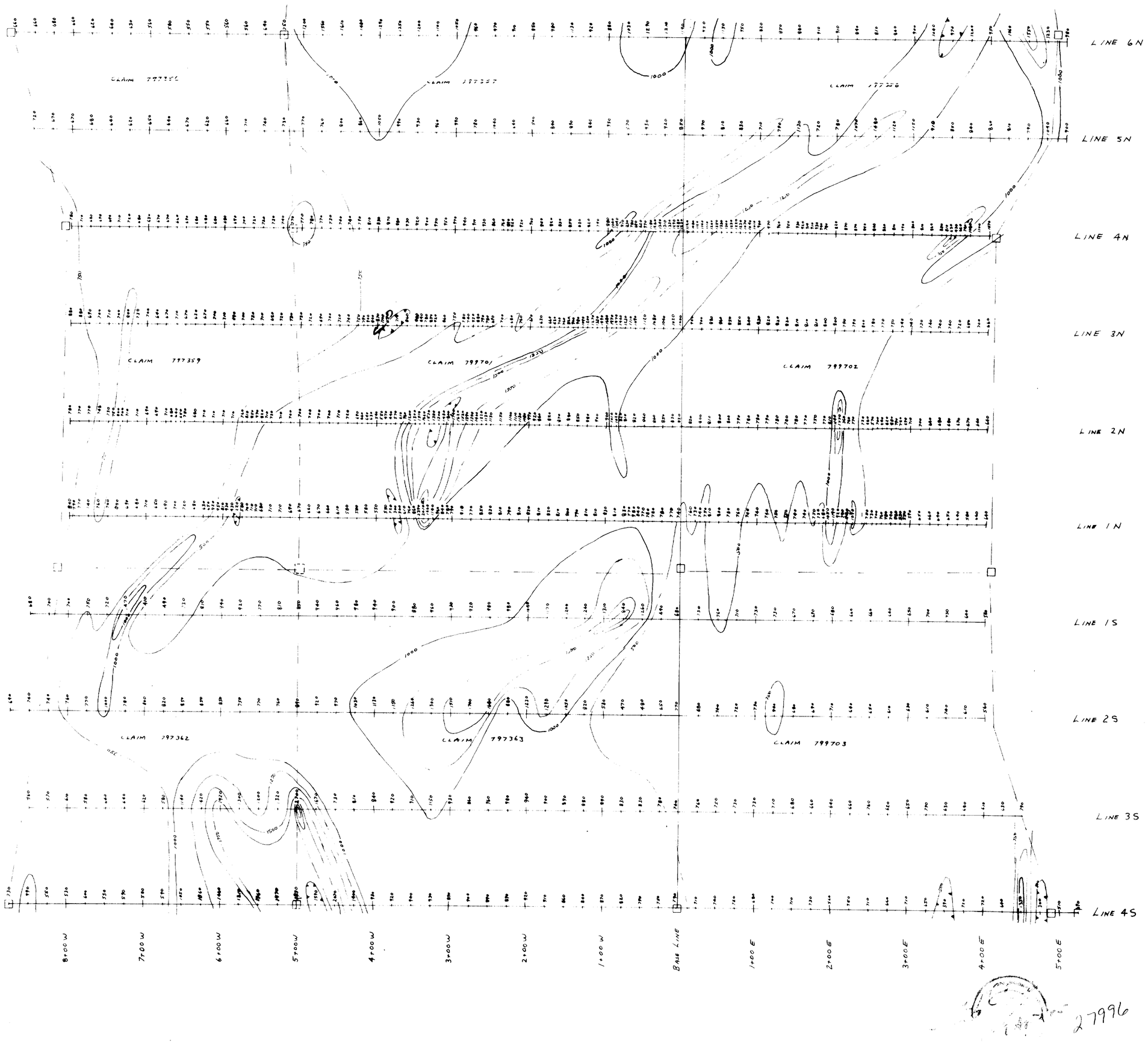
Areas withdrawn from staking under Section 43 of the Mining Act, R.S.O.1970. (Sec.42, R.S.O. '60)

Order No.	File	Date	Disposition
(N)	22032	11/8/70	S.R.O.
(N) NR.W.5/81	22032	23/1/81	S.R.O

All islands in Sesekinika Lake are withdrawn from staking by Order-in-Council dated Dec. 7, 1921.

PLAN NO. M.361

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH



27996

Claim Post ☐ Isolated ☐ Situated

Claim Line

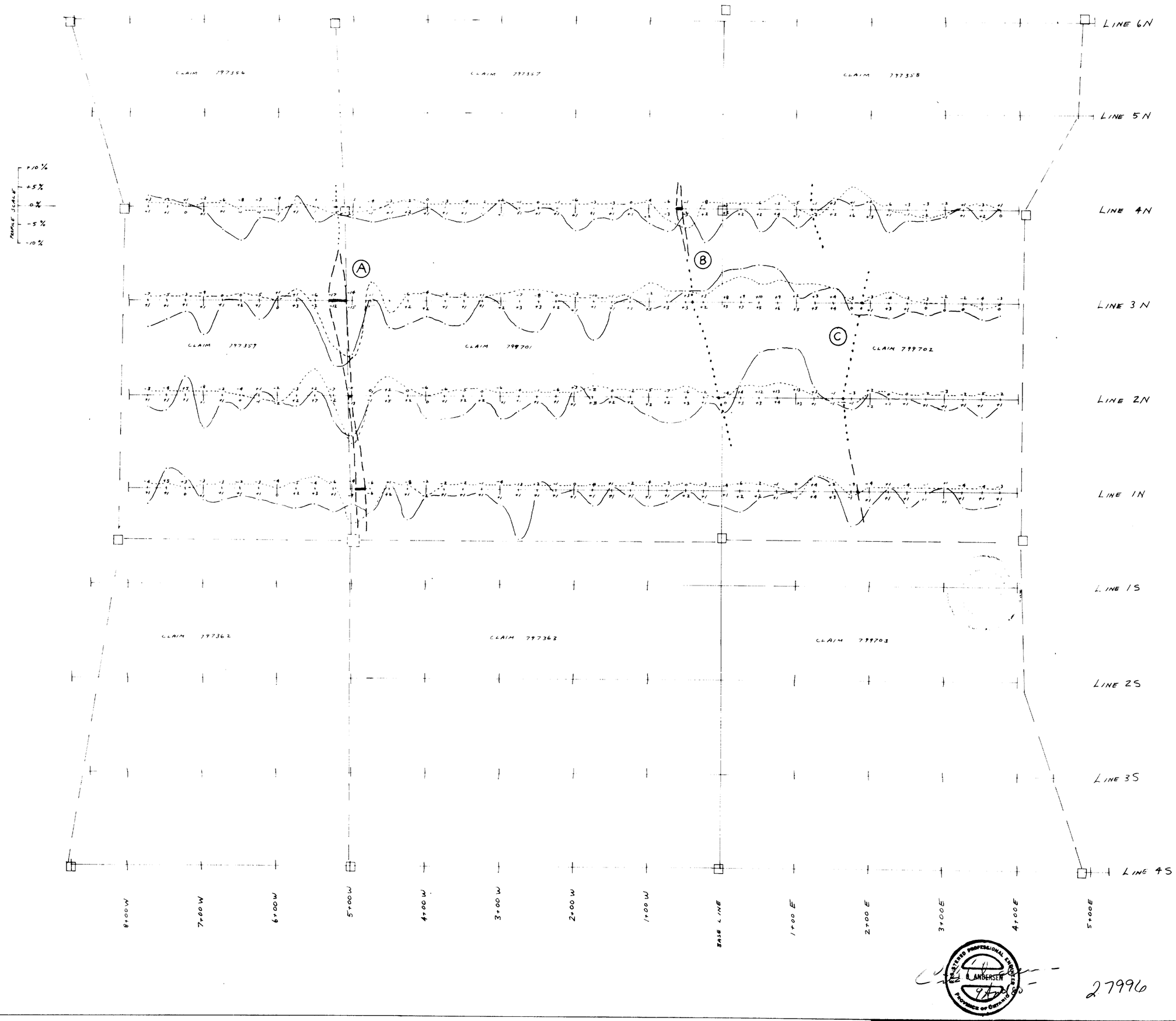
LEGEND

INSTRUMENT — LINES 1N, 2N, 3N, 4N : GEM SYSTEMS GSM-8
LINES 6N, 5N, 1S, 2S, 3S, 4S : GEOMETRICS GM 8/6

NOTE: IN ORDER TO OBTAIN TOTAL MAGNETIC FIELD VALUE, ADD 58,000 nT TO ALL VALUES

CONTOUR INTERVAL — 250 nT

QUEENSTON	WEG PROJECT		
	MAGNETIC SURVEY		
Date surveyed; MARCH 1985	SCALE 1:2500	1cm = 25m	
Date drawn; APRIL 1985			
Supervisor: E.O. ANDERSON	QUEENSTON GOLD MINES LIMITED, TORONTO, ONTARIO		
Prov. ONTARIO	Twp. MAISONVILLE	NTS 42 A 1	Plate 2



LEGEND

CLAIM POST ☐ ISOLATED ☐ NOT ISOLATED

CLAIM LINE ——— ———

INSTRUMENT : APEX PARAMETRICS MAX MIN II
MODE : MAXIMUM COUPLED, HORIZONTAL, CO-PLANAR
COIL SPACING : 50 METRES
FREQUENCY : 1777 hz
SURVEY BY : GUY THIBAULT GEOPHYSICAL SERVICES, TIMMINS, ONT.

PLOTTING : IN-PHASE ABOVE LINE IN %
OUT-OF-PHASE BELOW LINE IN %
IN-PHASE .————.————.
OUT-OF-PHASE .·····.·····.
PROFILE SCALE 1cm = 5%

INTERPRETATION : CONDUCTOR AXIS : WELL DEFINED ———<——
POSS/BLE ·····<·····

REGISTERED PROFESSIONAL ENGINEER E. G. ANDERSEN PROVINCE OF ONTARIO

27996

QUEENSTON

WEG PROJECT

ELECTROMAGNETIC SURVEY MLEM

Date surveyed; MARCH 1985
Date drawn; APRIL 1985
Supervisor; E.G. ANDERSEN

SCALE 1:2500 1cm = 10m

QUEENSTON GOLD MINES LIMITED, TORONTO, ONTARIO

Prov. ONTARIO | Twp. MAISONVILLE | NTS 42 A 1 | PLAN 3

42A01NE0049 2.7996 MAISONVILLE

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