McCowan Gold Property

MAGNETOMETER SURVEY
and
VLF-EM SURVEY

Porcupine Mining Division

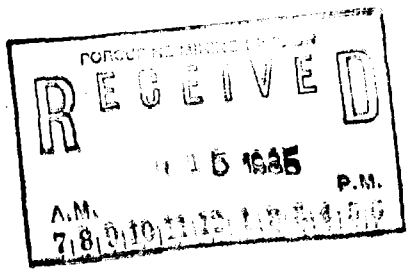
McCowan Township

on behalf of

Romex Resources Inc.

&

Omab Enterprises Ltd.



Timmins, Ontario
April 1, 1985

D. Korpela
Northland Exploration Ltd.

KEY MAP

McCOWAN GOLD PROPERTY

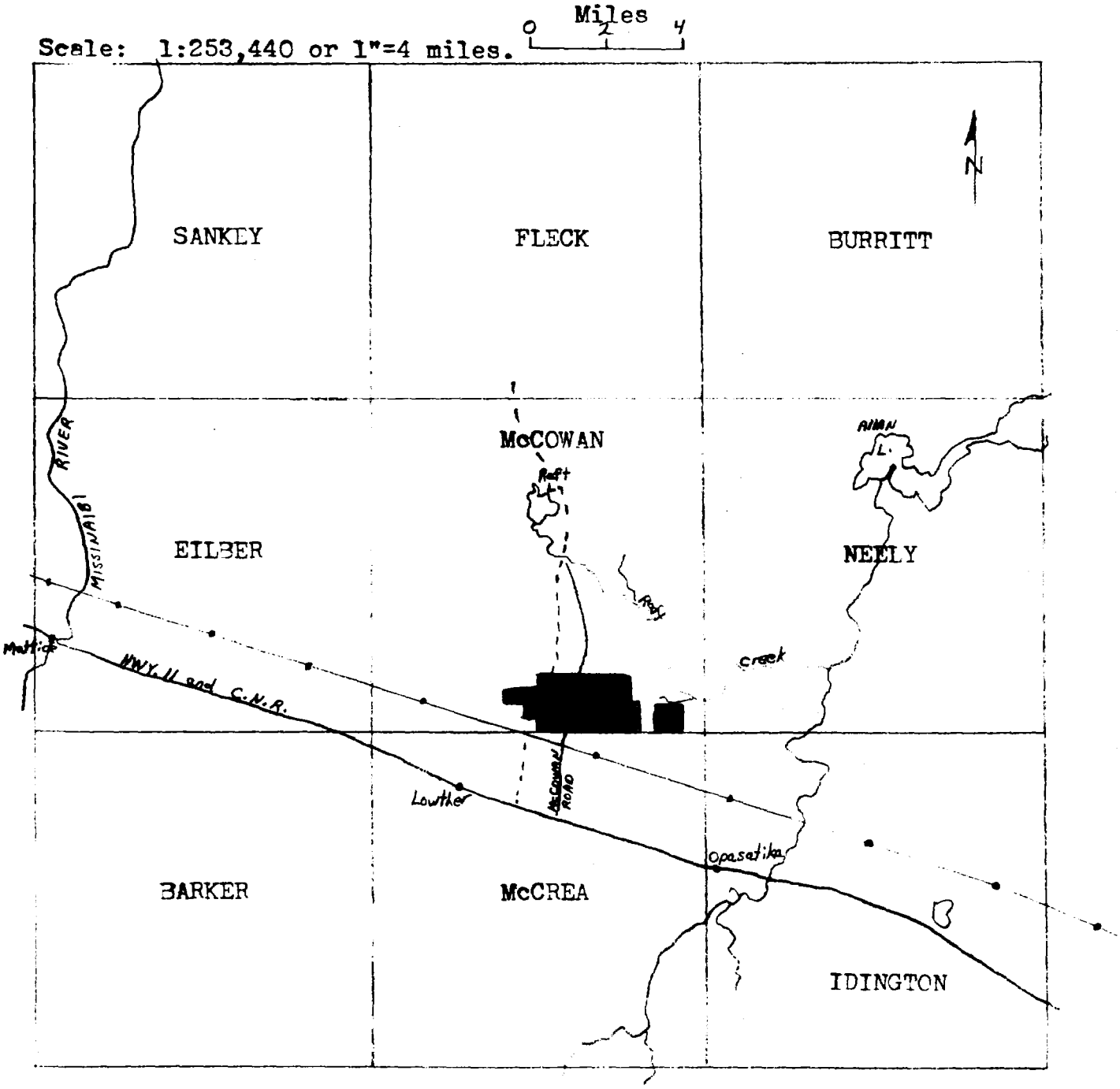
Mc COWAN Township
District of Cochrane
ONTARIO

Scale

0 100 200 Mi

0 100 200 300 Km

LOCATION SKETCH



CONTENTS

SUMMARY AND CONCLUSIONS

The VLF-EM survey revealed approximately 120 conductors. The majority of these were found to be structural in origin. Many of the conductors with similar characteristics were grouped together. After grouping, 59 conductors lettered **A to PP** were discussed.

Conductors F,G,N,N',S,S',T,EE and EE' are all very high priority conductors. Only two overburden responses were interpreted. Therefore, the 48 remaining conductors have been interpreted to be of some importance and require follow-up. Some minor faulting was also found to exist.

The magnetometer survey revealed 23 magnetic anomalies with little coincidence to the EM conductors.

Four northeasterly trending diabase dikes were interpreted along with one trending northwest. Five volcanic horizons and one large felsic intrusion have been interpreted to exist within the sediments. Other isolated felsic intrusions were also found to exist as small bosses. Two southeasterly trending faults were also revealed.

The overall regional trend was found to be northeasterly towards the west half of the property and more easterly to the east.

INTRODUCTION

A Magnetometer and a VLF-EM survey have been carried out on Romex Resources Inc. and Omab Enterprises Ltd. holdings located in the southeast portion of McCowan township. The property on which the geophysical surveys were performed consists of 78 claims. These claims are all contiguous except for a block of 12 claims which is separated from the main block by a group of 6 patented claims encompassing the Filion property. The Filion property contains the main gold showing of the area.

Line cutting was carried out from Jan. 21 to Mar. 7, 1985 by D. Larche of Timmins, Ontario. About 64.3 miles of N-S picket lines were cut and spaced at 400 foot intervals. In addition, about 13.5 miles of E-W baseline and tie lines were cut to control the grid.

Magnetometer and VLF-EM surveys were performed by the author from Jan. 31 to Mar. 10, 1985.

PROPERTY LOCATION AND ACCESS

The property is located in McCowan township in the District of Cochrane, Porcupine Mining Division, in northeastern Ontario. The individual claims covered by this report are listed on the attached Technical Data Statement. The property is contained within all or parts of Lots 3 to 5, and 7 to 17 of Concessions I or II of McCowan township.

The property is accessible by a public all-weather haulage road (McCowan Lake Road) located 12 miles east of the town of Mattice on Highway 11. The McCowan/McCrea township line which forms the south boundary of the property is approximately 2.5 miles north of Highway 11 along McCowan Lake Road.

Highway, rail, natural gas, and hydro services are all located within 3 miles of the property.

METHOD OF SURVEY

The grid was started from a point 1400 feet east of McCowan Lake Road on the McCowan/McCrea township line. Line 0+00 was run north from this point, 0+00N being the station at the township line. Baselines were established at 20+00N and 60+00N. All picket lines were turned-off from these two baselines. Two other baselines were established for control of the grid. One at the township line and the other at 40+00N. The 0+00 baseline along the township line was also used to tie-in the grid on the 12 claims to the east.

VLF-EM and magnetometer readings were all taken facing north. All readings were taken at intervals of 100 feet except over anomalous areas where half-stations were read.

HISTORY AND PREVIOUS WORK

Gold was first discovered in the southeast quarter of McCowan township in the early 1930's. Stripping and trenching of gold showings was the only work done in the area until 1941 to 1946 at which time diamond drilling was carried out on the main (Filion) showing and the Miller showing located 2 miles to the west. Drilling results concluded that favourable gold values as well as structure were lost with depth.

In 1946, Valrita Mines Ltd. completed a geomagnetic survey some 4000 feet north of the main showing. A number of magnetic anomalies were established which enhanced existing geological interpretations of the area.

In 1957, J. Seredinscki drilled two vertical holes approximately one claim south of the main showing. Greywacke containing a slight amount of sulphides revealed a trace of gold.

HISTORY AND PREVIOUS WORK (Continued)

In 1967, the provincial government mapped a large area of land around Kapuskasing including McCowan township. Rock types were redefined and a clearer picture of the overall geology in the area was established.

In 1984, a preliminary study of the area was performed by H. Tittley of Timmins. The scope of his study was intended mainly for the disposition of the claims.

GEOLOGY OF THE AREA AND TOPOGRAPHY

The area is located within the clay belt of northern Ontario. A few rock outcrops and gradual ridges along with minor erosion caused by creeks are the only discrepancies found from the low relief in the area. The overburden consists mostly of clay soil and varies in thickness from 2 to 20 feet. In some areas a maximum depth of overburden can be expected to be 40 feet.

The following geological information is mainly a summary of the government sources listed in the reference section.

The entire area is underlain by metasediments mainly greywacke striking northeast. Some basic volcanics are known to exist within the sediments. Fragmental tuffs and agglomerates have been noted in the area of the main showing along with dikes and small bosses of granitic type porphyry. Narrow bands of basic schist are known to exist and isolated bodies of basic intrusive are suspected. North and northeasterly trending diabase dikes have been mapped through the area.

The belt of metasediments is a faulted extension of a main belt of metasediments located to the south. The major fault zones trend northeast.

Paragneisses can be expected to the north where sediments have been altered by the injection of granitic material from a large mass of granitic rocks located 8 miles to the north.

Gold values at first were said to vary directly with the amount of pyrite present. Also, since quartz veins gave gold values when they were close to or in the sheared contact between the tuff and the porphyry it was believed that gold was genetically related to intrusions of porphyry into the tuffs. Through drilling these hypotheses proved to be correct only in isolated locations and not continuous to depth.

GEOLOGY OF THE AREA (Continued)

In 1946, it was concluded that the pyrite may carry some gold but the main gold enrichment was genetically related to the injection of late calcite. These calcite injections would tend to come in along former zones of weakness which in some cases were the same zones of weakness occupied by pyrite and quartz veins.

Combinations of sediments, volcanics and porphyritic intrusions as found on this property has renewed interest in the area because of the strong possibilities of gold deposition.

In 1984, a preliminary study performed by H. Tittley of Timmins concluded that high geochemical gold values occur in a wide zone within a sedimentary-volcanic belt and any alteration of this zone can concentrate the gold. And with modern prospecting instruments and equipment areas of mineral concentrations can be detected quickly and accurately.

INTERPRETATION OF RESULTS AND RECOMMENDATIONS

VLF-EM

A large number of conductors were revealed making it necessary to group conductors with similar characteristics together. A total of 59 conductors will be studied individually or within a group.

The overall results of the VLF-EM survey display a northeasterly to easterly trend.

Conductors A,B,C.

These conductors have characteristics similar to the majority of the conductors in the area. All the unlettered conductors on the plan can be grouped together with these conductors.

Conductors of this group are generally weak with little conductivity. The northeasterly to easterly trends indicate a structural type of conductor. Shear zones or contact fracture zones at bedding planes within the sediments would produce this type of conductor.

This type of conductor has a low priority as to further investigation.

Conductor D.

This conductor is similar to conductors A,B and C except that it displays a higher conductivity.

The moderate conductivity may be explained by the presence of clay along a weathered bedding plane. Clay can dramatically increase the conductivity of the water present in alteration zones. However, mineralization may also in some degree be responsible for the increase in conductivity so this type of conductor should be given higher priority than conductors A,B and C.

INTERPRETATION OF RESULTS AND RECOMMENDATIONS (Continued)

Conductor E,E'.

These conductors are similar because of their linear continuity.

Conductor E displays good conductivity and E' is somewhat weaker.

The linear nature of these conductors indicate prominent shear zones. Good conductivity may be caused by mineralization and should be investigated further.

Conductor F,G,S,S',T.

These conductors have poor to good conductivity and are discontinuous.

Because of the proximity of numerous pits and trenches these conductors may contain mineralization and should be given a high priority as to further investigation.

Conductors H,H',H",H"',H^4,U,U',V,V',W,W',X,X',Y,AA,BB,DD,GG, HH, II.

These conductors vary in conductivity but are otherwise similar to conductor D. The varying conductivity is probably because of different degrees of clay, conductive fluids and mineralization along altered structural zones.

Conductors I,I',I",I"'.

These conductors appear to have been all part of the same conductor before shearing separated them. Otherwise they are quite similar to conductors H and D.

Conductors J,Z.

These conductors are set apart from the others by their irregular, continuous, linear nature and moderate to good conductivity.

These conductors show characteristics of a structural type of conductor similar to conductors A,B and C. The varying conductivity may be because of the presence of graphite in small amounts within the sediments. Graphite can usually be suspected with long continuous conductors having no coincident magnetics.

Conductors K,O.

These conductors display good conductivity and should be given high priority because they may be extensions of conductors N and N'. Conductors N and N' are very high priority conductors that will be discussed next.

INTERPRETATION OF RESULTS AND RECOMMENDATIONS (Continued)

Conductors N,N'.

Conductor N is an excellent conductor with flanking magnetic lows to the northwest and highs to the southeast. These magnetic lows and highs are indicative of contacts with felsic intrusions and mafic volcanics respectively.

It appears as if this conductor is related to structure but the unusual geology present increases the chance of mineralization and alteration. Therefore, this conductor is considered a very high priority target.

Conductor N' appears to be related to conductor N but the easterly trend sets it apart. This conductor may be a conductive zone within the volcanics which do display an E-W trend. Conductor N' is also considered a high priority anomaly.

Conductors L,L',M.

These are strong conductors probably related to structure.

Since these conductors are within the interpreted volcanic zone there is an increased chance of alteration from the proximity of sediment/volcanic contacts. Therefore, these conductors should be given some priority and studied further.

A southeasterly trending fault is interpreted to offset conductor L from conductor L'.

Conductors P,Z',FF,JJ,KK.

These conductors appear to be shear zones similar to conductor E. Conductors P,JJ and KK are unlike conductor E in that they are not continuous.

Conductor Groups Q, and R.

These two groups of conductors were probably two simple structural type conductors before shearing broke them apart into many small conductors.

Conductor Q trends easterly within the sediments but adjacent to the contact with the volcanics. Conductor R is within the volcanics and also trends E-W.

The combination of the shearing and the proximity of the volcanic/sedimentary contact increase the possibilities of alteration and mineralization. Therefore, these conductors should be given priority for further investigation.

Conductors CC,NN,NN'.

These conductors are probably caused by overburden responses since they tend to follow ponds and creeks. Conductors NN and NN' are considered to be the same conductor.

INTERPRETATION OF RESULTS AND RECOMMENDATIONS (Continued)

Conductors EE,EE',LL.

These are all high priority conductors similar to conductor N.

Conductor EE is flanked by magnetic highs to the north and magnetic lows to the south. This conductor is considered to be a very high priority target because it is in the same interesting geological environment as conductor N. The contacts with felsic intrusives and volcanics together with faulting and extensive trenching makes this conductor the most interesting conductor on the whole property.

Conductor EE' is displaced from conductor EE by a N-S trending fault.

Conductor LL is in close proximity to conductor EE and may be related.

Conductor MM.

This conductor is located within an interpreted zone of felsic intrusives. This conductor has possibilities of being a mineralized vein containing sulphides and should be investigated together with conductor EE.

Conductors OO,PP.

These conductors resemble the characteristics of conductor D. However, since they are close to or within the intrusive/sediment contact they may be subject to some mineralization and alteration and should be given a higher priority than other conductors grouped with conductor D.

It is evident that the multiple conductors revealed on this property cause inflections in the in-phase data profile rather than a crossover at every conductor. With the application of the Fraser filter method even inflections are averaged out and transformed into contours which represent conductive zones. Therefore, it is highly recommended that Fraser's method of filtering be applied to the in-phase data to more clearly define the anomalous areas.

INTERPRETATION OF RESULTS AND RECOMMENDATIONS (Continued)

Magnetics

Twenty-three magnetic anomalies or zones numbered 1 to 23 have been interpreted.

The average change in magnetic amplitude throughout the entire property is about 900 gammas, ranging from 59400 gammas to 60300 gammas. A maximum high and a minimum low of 63000 gammas and 59200 gammas respectively were encountered.

Anomaly 1.

This anomaly is a portion of a diabase dike with a strike of N30E. The dike cuts across sediments.

Anomaly 2,11.

Anomaly 2 appears to be the end of a narrow linear magnetic horizon. The E-W strike of these anomalies cuts across the regional trend and sets these anomalies apart from others. A basic schist with pyrrhotite mineralization would cause this type of anomaly.

Although these anomalies do not directly coincide with EM conductors they should not be overlooked.

Anomaly 3.

Is a diabase dike cutting across sediments parallel to anomaly 1. This dike is cut-off at the north by an interpreted southeasterly trending fault.

Anomaly 4.

Only a portion of this anomaly is visible. Through interpolation the anomaly may be part of the diabase dike referred to as anomaly 1.

Anomalies 5,12.

These are local anomalies over old trenches. Detailed surveys should be performed over these anomalies to rule out possibilities of high readings being caused by foreign objects such as iron pipe.

Anomalies 6,7.

These are local anomalies with no apparent trend. These anomalies may be sill-like intrusions varying in mafic and felsic composition causing differences in magnetic susceptibility. Some mineralization will also cause an increase in magnetic intensity. Therefore, if detailed surveys are to be performed these local anomalies should be covered.

All other unnumbered local anomalies are represented by anomalies 6 and 7.

INTERPRETATION OF RESULTS AND RECOMMENDATIONS (Continued)

Anomaly 8.

This anomaly appears to be caused by foreign matter. However, this anomaly should be investigated further since it may be related to anomaly 7.

Anomaly 9.

Is a prominent diabase dike striking at about N4OE in the south half of the property and at about N6OE in the north half. This dike is displaced slightly by two southeasterly trending faults which cut the dike at about 25N and 58N. The dike passes through a zone interpreted as mafic volcanics to the south and continues across the entire property cutting through sediments.

Anomaly 9'.

Is a small diabase dike branching off of anomaly 9.

Anomaly 10.

Is a diabase dike with a northwesterly trend approximately N2OW. This dike is displaced by a southeasterly trending fault at about 6ON. The dike passes through a zone of mafic volcanics to the south and continues across the entire property cutting through sediments. This dike cuts across the diabase dike known as anomaly 9 at about 5ON.

Anomalies 13,14,15.

These anomalies represent a continuous magnetic horizon. The increase in magnetic intensity indicates an increase in mafic composition. A mafic flow within the sediments would cause this type of magnetic horizon. Magnetic lows within these horizons may represent intrusions of granitic porphyry. Top priority should be given to all conductors within this type of horizon.

Anomaly 16.

Is a diabase dike striking at N3OE. The dike cuts through mainly sediments except at the south end and at about 4ON where mafic flows have been interpreted.

Anomalies 17,18.

These are isolated anomalies similar to anomalies 6 and 7. The proximity of anomaly 17 to old trenches may indicate the presence of sulphides. Further investigation of anomaly 17 should be made to isolate the cause of this anomaly.

INTERPRETATION OF RESULTS AND RECOMMENDATIONS (Continued)

Anomalies 19,20,21,22.

Each of these anomalies represents a continuous magnetic horizon. The interpretations for these anomalies are the same as those discussed for the mafic flow defined by anomalies 13,14 and 15. Anomalies 20, 21 and 22 may represent the same mafic flow. This can be proved once geophysical information for the patented claims becomes available. The mafic flow interpreted from anomaly 21 forms a contact with an extensive area of low magnetic relief. A large felsic intrusion of a granitic porphyry would produce such an area of low magnetic relief. A uniform magnetic field is again encountered to the south which indicates a contact with sediments.

The volcanics have a strike slightly north of east which is a noticeable change from the regional northeasterly trend.

Anomaly 23.

Is a very weak anomaly with a northeasterly trend. Interpretations for this anomaly are the same as the ones given to anomalies 6 and 7. The weak nature of this anomaly gives it a low priority.

For a further detailed follow-up of EM and magnetic anomalies an IP survey with closely spaced dipoles is generally regarded as the best method for revealing narrow veins with low metallic content.

A chemical analysis of overburden sampling is highly recommended as an immediate investigation of established conductors. A trenching program in areas of shallow overburden could be initiated to compliment the overburden sampling.

David Korpela,
Author of Report

Qualification:

I, David Korpela do swear that the facts set forth in this report are true. Also, I am a graduate of Geology from a recognized technical college and have over five years practical experience in the fields of geology, geophysics, and mining.

2.6860

REFERENCES

Preliminary Report - McCowan Group

1984 McCowan and McCrea Townships
H.Z. Tittley.

Hearst - Kapuskasing Map Sheet

1969 Ontario Department of Mines
Geological Compilation Series
Map 2166.

Kapuskasing Map Sheet

1967 Ontario Department of Mines
Preliminary Geological Map
Map, P-398.

Operation Kapuskasing

1967 Ontario Department of Mines
Misc. Paper #10.

Seredinscki Property, McCrea Township

1957 Resident Geologist's Office, Timmins
Assessment File T-654.

Filion Property, McCowan Township

to 1955 Resident Geologist's Office, Timmins
Assessment File T-201.

Miller Property, McCowan Township

to 1948 Resident Geologist's Office, Timmins
Assessment File T-223.

Valrita Mines Ltd., McCowan Township

1946 Resident Geologist's Office, Timmins
Assessment File T-114.

Ministry of Natural Resources
Ontario

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

#04

42G10SE0002 2.8007 MCCOWAN

900

85 06 045

Mining Act

In the "Expend. Days Cr." columns, — Do not use shaded areas below.

Type of Survey(s)	Township or Area
GEOPHYSICAL (VLF-EM; Magnetometer)	McCOWAN TWP.

Claim Holder(s)	Prospector's Licence No.
H.Z. Tittley (12 claims) & Raymond Collins (11 claims)	M-18150 & M-20943

Address: 338 Spruce St. North; Timmins, Ont. P4N 6N5

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
NORTHLAND EXPLORATION LTD.	21 1 85 (Day / Mo. / Yr.) 14 2 85 (Day / Mo. / Yr.)	23

Name and Address of Author (of Geo-Technical report): D. Korpala; 330A Patricia Blvd.; Timmins, Ont. P4N 6Y5

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	40
	- Magnetometer	20
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	

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

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

RECEIVED
FEB 14 1985
MINING LANDS SECTION

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
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	758387	60
	758388	60
	758389	60
	764735	60
	764736	60
	(H.Z. Tittley; 12 claims)	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	758743	60
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	758745	60
	758746	60
	758747	60
	758748	60
	758749	60
	758750	60
	758751	60
	758752	60
	758753	60
	(R. Collins; 11 claims)	

RECEIVED
PORCUPINE MINING DIVISION
FEB 14 1985
A.M. P.M.
7 8 9 10 11 12 1 2 3 4 5 6

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

RECORDED
FEB 14 1985
Receipt No. 4

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: 23.

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
1380	Feb 14/85	
	Date Approved as Recorded: April 19/85	Branch Director

Date	Recorded Holder or Agent (Signature)
Feb.14, 1985	K.H. Darke

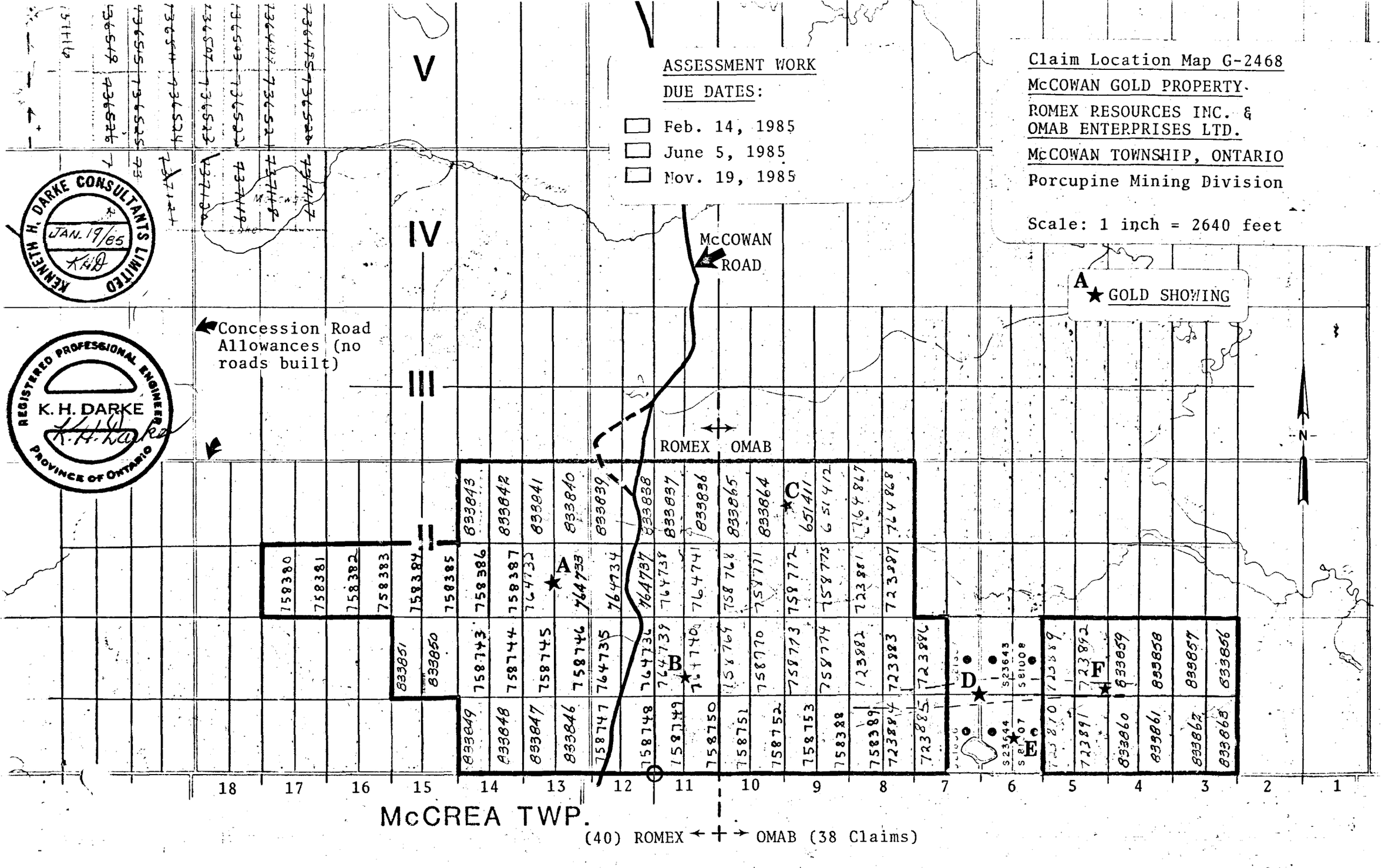
Certification Verifying Report of Work

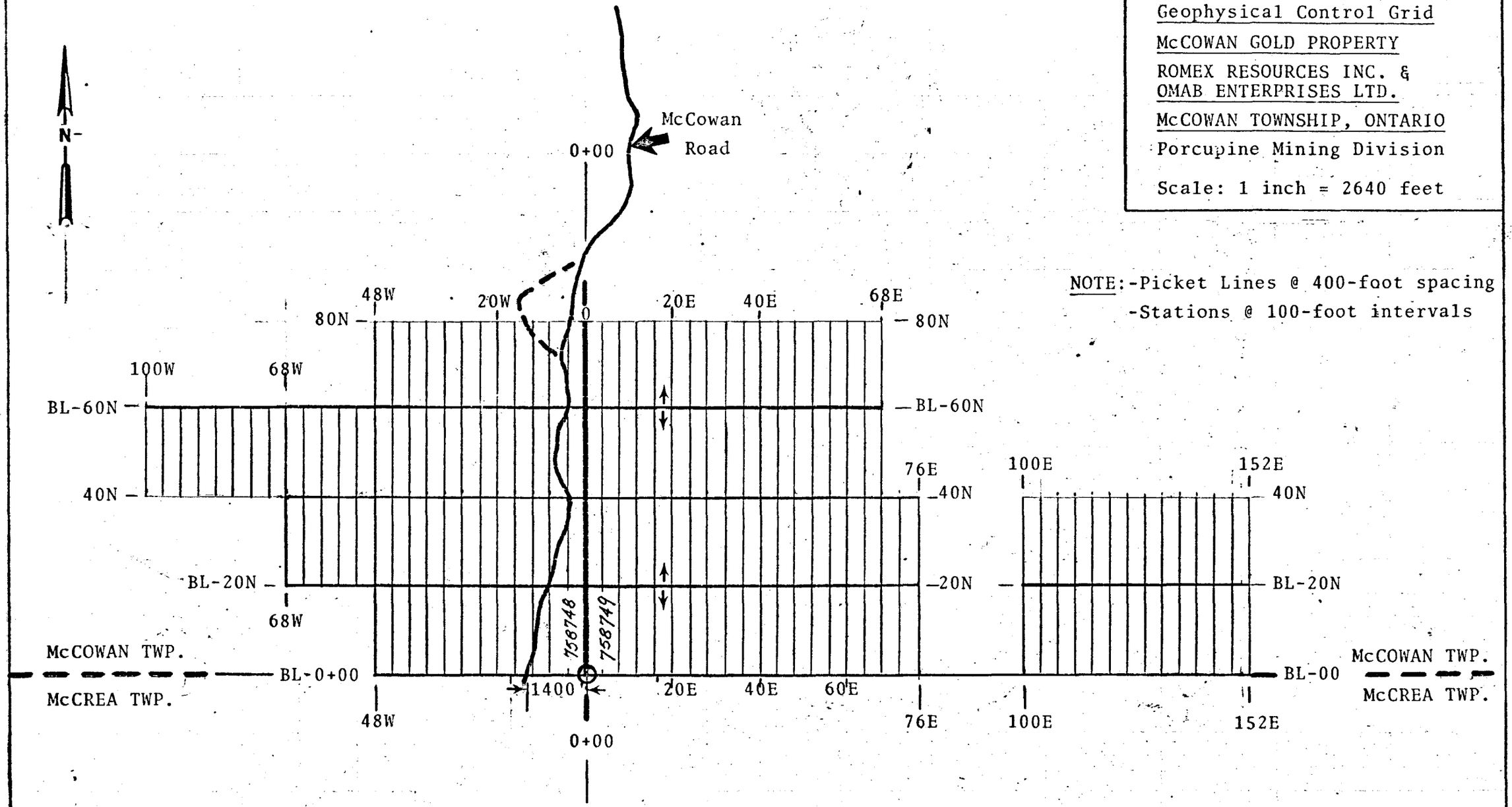
I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: K.H. Darke, P.Eng.; 338 Spruce St. North; Timmins, Ont. P4N 6N5

Date Certified	Certified by (Signature)
Feb.14, 1985	K.H. Darke

1362 (81/9)


Claim Location Map G-2468
McCOWAN GOLD PROPERTY.
ROMEX RESOURCES INC. & OMAB ENTERPRISES LTD.
McCOWAN TOWNSHIP, ONTARIO
Porcupine Mining Division
Scale: 1 inch = 2640 feet
ASSESSMENT WORK DUE DATES:
Feb. 14, 1985
June 5, 1985
Nov. 19, 1985
A ★ GOLD SHOWING
McCOWAN ROAD
Concession Road Allowances (no roads built)
ROMEX OMAB
V
IV
III
II
I
A
B
C
D
E
F
KENNETH H. DARKE CONSULTANTS LIMITED
JAN. 19/85
REGISTERED PROFESSIONAL ENGINEER
K. H. DARKE
PROVINCE OF ONTARIO
18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
McCREA TWP.
(40) ROMEX ← → OMAB (38 Claims)



Geophysical Control Grid

McCOWAN GOLD PROPERTY

ROMEX RESOURCES INC. & OMAB ENTERPRISES LTD.

McCOWAN TOWNSHIP, ONTARIO

Porcupine Mining Division

Scale: 1 inch = 2640 feet

NOTE:-Picket Lines @ 400-foot spacing
-Stations @ 100-foot intervals

K.H. Darke, P.Eng.
Jan. 19, 1985

Ministry of Natural Resources
Ontario

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

Mining Act

#144/85

Amended - See page (2) June 5th

Q-8007 Note:

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

Type of Survey(s)	Township or Area
GEOPHYSICAL (VLF-EM; Magnetometer)	McCOWAN TOWNSHIP

Claim Holder(s)	Prospector's Licence No.
K.H. Darke (Agent; see attached list)	See attached list

Address: 338 Spruce St. North; Timmins, Ont. P4N 6N5

Survey Company	Date of Survey (from & to)	Total Miles of line Cut
NORTHLAND EXPLORATION LTD.	21 1 85 (Day / Mo. / Yr.) 10 3 85 (Day / Mo. / Yr.)	77.8

Name and Address of Author (of Geo-Technical report): D. Korpela; 330-B Patricia Blvd.; Timmins, Ont. P4N

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	40
	Geophysical - Magnetometer	20
For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical - Radiometric	
	Geophysical - Other	
	Geological	
	Geochemical	

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

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

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.
P.	See attached List	60			

RECEIVED
APR 16 19
Porcupine No.

PORCUPINE MINING DIVISION
RECEIVED
APR 16 1985
P.M.
A.M. 7 8 9 10 11 12 1 2 3 4 5 6

See work Statement

Total number of mining claims covered by this report of work: 57 78

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.

Date	Recorded Holder(s) or Agent (Signature)
Apr. 15/85	K.H. Darke

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
342	April 16/85	Stanley
	Date Approved as Recorded	Branch Director
		X

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: K.H. Darke, P.Eng.; 338 Spruce St. North; Timmins, Ont. P4N 6N5

Date Certified	Certified by (Signature)
Apr.15, 1985	K.H. Darke

1362 (81/9)

KENNETH H. DARKE CONSULTANTS LIMITED

ADDENDA TO: MNR Report of Work; Apr. 15, 1985

Mining Claims Traversed:

P. 651411	P. 758743	P. 764732	P. 833846
651412	758744	764733	833847
	758745	764734	833848
723881	758746	764735	833849
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723891	758769		833862
723892	758770	833836	833863
	758771	833837	833864
758380	758772	833838	833865
758381	758773	833839	
758382	758774	833840	78 claims
758383	758775	833841	
758384		833842	
758385		833843	
758386			
758387			
758388			
758389			

Previously Reported for WR #045/85

Previously Reported for WR #045/85

Amended

* *

Recorded Claim Holder:	Prospector's License No.:	Claim Nos.:		No. of Claims:
David Larche	M-21119	P.651411 & 12		2
Raymond Collins	M-20943	723881-87	inclusive	7
" "	"	723889-92	"	4
H.Z. Tittley	M-18150	758380-89	"	10
Raymond Collins	M-20943	758743-53	"	11
Roland Collins	M-18577	758768-75	"	8
H.Z. Tittley	M-18150	764732-41	"	10
D. Gonzalez	M-20935	764867 & 68		2
" "	"	833836-43	"	8
H. St.Louis	M-21084	833846-51	"	6
Raymond Collins	M-20943	833856-65	"	10
				78 claims

* * * * * * * * * * * * * * * * * * *

K.H. Darke

K.H. Darke, P.Eng.

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.8007

Date 1985 06 24

Mining Recorder's Report of Work No. 144/85

Recorded Holder: K. H. DARKE

Township or Area: McCOWAN TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	P 651411-12 723881 to 87 inclusive 723889 to 92 inclusive 758768 to 75 inclusive 764732 to 34 inclusive 764737 to 41 inclusive 764867-68 833836 to 43 inclusive 833846 tO 51 inclusive 833856 to 65 inclusive
Electromagnetic 40 days	
Magnetometer 20 days	
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ Insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77 (19)—60:

828 (83/6)

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) GEOPHYSICAL-Magnetic, VLF-EM.

Township or Area McCowan Township.

Claim Holder(s) Romex Resources Inc. Vancouver, B.C.
Omab Enterprises Ltd. Vancouver, B.C.

Survey Company Northland Exploration Ltd.

Author of Report David Korpela

Address of Author 330-B, Patricia Blvd., Timmins, Ont.

Covering Dates of Survey Jan. 21 to Mar. 10, 1985.
(linecutting to office)

Total Miles of Line Cut 77.8 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	40
–Magnetometer	20
–Radiometric	
–Other	
Geological	
Geochemical	

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

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

DATE: April 1, 1985 SIGNATURE: David Korpela
Author of Report or Agent

MINING CLAIMS TRAVERSED
List numerically

(prefix) (number)

SEE ATTACHED LIST.

TOTAL CLAIMS 78

If space insufficient, attach list

OFFICE USE ONLY

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations Mag-4107, VLF-3399. Number of Readings Mag-5432, VLF-5275.

Station interval * 100 feet Line spacing 400 feet

Profile scale VLF-EM 1"=40%.

Contour interval Mag 100 gammas.

*Note: Readings were taken every 50 feet over anomalous areas.

MAGNETIC

Instrument Scintrex (MP-2), Total Field, Portable Proton Precession magnetometer

Accuracy – Scale constant 1 gamma resolution with a total field accuracy of ±1 gamma.

Diurnal correction method Regular tie-in with established base stations.

Base Station check-in interval (hours) Up to 2.0 hours.

Base Station location and value Main base station at 0+00N on line 0+00, Value=59485 gammas.

ELECTROMAGNETIC

Instrument Geonics (EM-16), VLF Electromagnetic Unit.

Coil configuration Vertical.

Coil separation 100's of miles.

Accuracy ± 1 %.

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

Frequency Cutler, Maine 24.0 K Hz (NAA). (specify V.L.F. station)

Parameters measured Vertical in-phase and quadrature components.

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

TECHNICAL DATA STATEMENT

Mining Claims Traversed

P-651411
651412
723881
723882
723883
723884
723885
723886
723887
723889
723890
723891
723892
758380
758381
758382
758383
758384
758385
758386
758387
758388
758389
758743
758744
758745
758746
758747
758748
758749
758750
758751
758752
758753
758768
758769
758770
758771
758772
758773
758774
758775
764732
764733
764734
764735
764736
764737
764738
P-764739
764740
764741
764867
764868
833836
833837
833838
833839
833840
833841
833842
833843
833846
833847
833848
833849
833850
833851
833856
833857
833858
833859
833860
833861
833862
833863
833864
833865

78 Claims

2.8007

REGISTERED

June 5, 1985 Report of Work #144

K.H. Darke
338 Spruce Street North
Timmins, Ontario
P4N 6N5

Dear Sir:

RE: Mining Claims P 661411, et al,
in the Township of McCowan

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

As the assessment "Report of Work" was recorded by the Mining Recorder on April 16, 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 June 15, 1985.

If the material is not submitted to this office by June 15, 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
Timmins, Ontario
cc: D. Korpela
Timmins, Ontario
Encl.

1985 06 24

Your File: 144/85
Our File: 2.8007

Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

RE: Geophysical (Electromagnetic & Magnetometer) Survey on Mining Claims P 651441, et al, in McCowan Township

---

The Geophysical (Electromagnetic & Magnetometer) Survey assessment work credits as shown on the attached statement have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

D. Kinvig:mc

cc: K.H. Darke
338 Spruce Street North
Timmins, Ontario
P4N 6N5

cc: D. Korpela
330-B Patricia Blvd
Timmins, Ontario
P4N 6Y5

Encl.

cc: Resident Geologist
Timmins, Ontario

Mining Lands Section

File No 2.8007

Control Sheet

TYPE OF SURVEY ✓ GEOPHYSICAL

____ GEOLOGICAL

____ GEOCHEMICAL

____ EXPENDITURE

MINING LANDS COMMENTS:

RECEIVED
JUL 10 1985
MINING LANDS SECTION

lgd. 1.D.

J. Hurst

Signature of Assessor

85-04-18

Date

330-B, Patricia Blvd.,
Timmins, Ontario
P4N - 6Y4

April 8, 1985

Ministry of Natural Resources
Mining Lands Section
Room 6610, Whitney Block
Queen's Park
c/o Mr. Ray Pichette
Toronto, Ontario

Dear Mr. Pichette:

A VLF-EM and Magnetometer survey have recently been completed on a property held by Romex Resources Inc. and Omab Enterprises Ltd. The property is located just west of Kapuskasing.

Please accept the enclosed report on these surveys as credits towards assessment work requirements.

Yours sincerely,

David Korpela
Author of Report

	E.M	Mag		E.M.	Mag	2.8007	EM	Mag
P.- 651411	✓		758768	✓		764739	✓	
651412	✓		69	✓		40	✓	
723881	✓		70	✓		764741	✓	
82	✓		71	✓		764867	✓	
83	✓		72	✓		764868	✓	
84	✓		73	✓		833836	✓	
85	✓		74	✓		37	✓	
86	✓		758775	✓		38	✓	
723887	✓	Same	764732	✓	Same	39	✓	Same
723889	✓		33	✓		40	✓	
90	✓		764734	✓		41	✓	
91	✓		764737	✓		42	✓	
723892	✓		764738	✓		833843	✓	

	E.M	Mag.		E.M.	Mag.		E.M.	Mag
P.- 833846	✓		833856	✓		833862	✓	
47	✓		57	✓		63	✓	
48	✓		58	✓		64	✓	Same
49	✓	Same	59	✓	Same	833865	✓	
50	✓		60	✓				
833851	✓		833861	✓				

D.R.

	m	EM		m	EM	2.8007		
758380	✓	✓	758743	✓	✓			
81	✓	✓	44	✓	✓			
82	✓	✓	45	✓	✓			
83	✓	✓	46	✓	✓			
84	✓	✓	47	✓	✓			
85	✓	✓	48	✓	✓			
86	✓	✓	49	✓	✓			
87	✓	✓	50	✓	✓			
88	✓	✓	51	✓	✓			
89	✓	✓	52	✓	✓			
764735	✓	✓	53	✓	✓			
36	✓	✓						

REFERENCES

Areas **WITHDRAWN FROM DISPOSITION**

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M.+ S. – MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

FLECK TWP.

EILBER TWP.

NEELEY TWP.

McCREA TWP.

XII
XI
X
IX
VIII
VII
VI
V
IV
III
II

28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

REFERENCES

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	OC
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

FEET 0 1000 2000 4000 6000 8000

METRES 0 200 1000 (1 KM) 2000 (2 KM)

TOWNSHIP

McCOWAN

M.N.R. ADMINISTRATIVE DISTRICT

KAPUSKASING

MINING DIVISION

PORCUPIN

LAND TITLES / REGISTRY DIV.

COCHRANE

Ontario

Date

FEB

ROMEX RESOURCES INC.
&
OMAB ENTERPRISES
LIMITED

2.8007

McCOWAN GOLD PROPERTY

VLF-EM SURVEY (WEST HALF)

McCOWAN TOWNSHIP
PORCUPINE MINING DIVISION

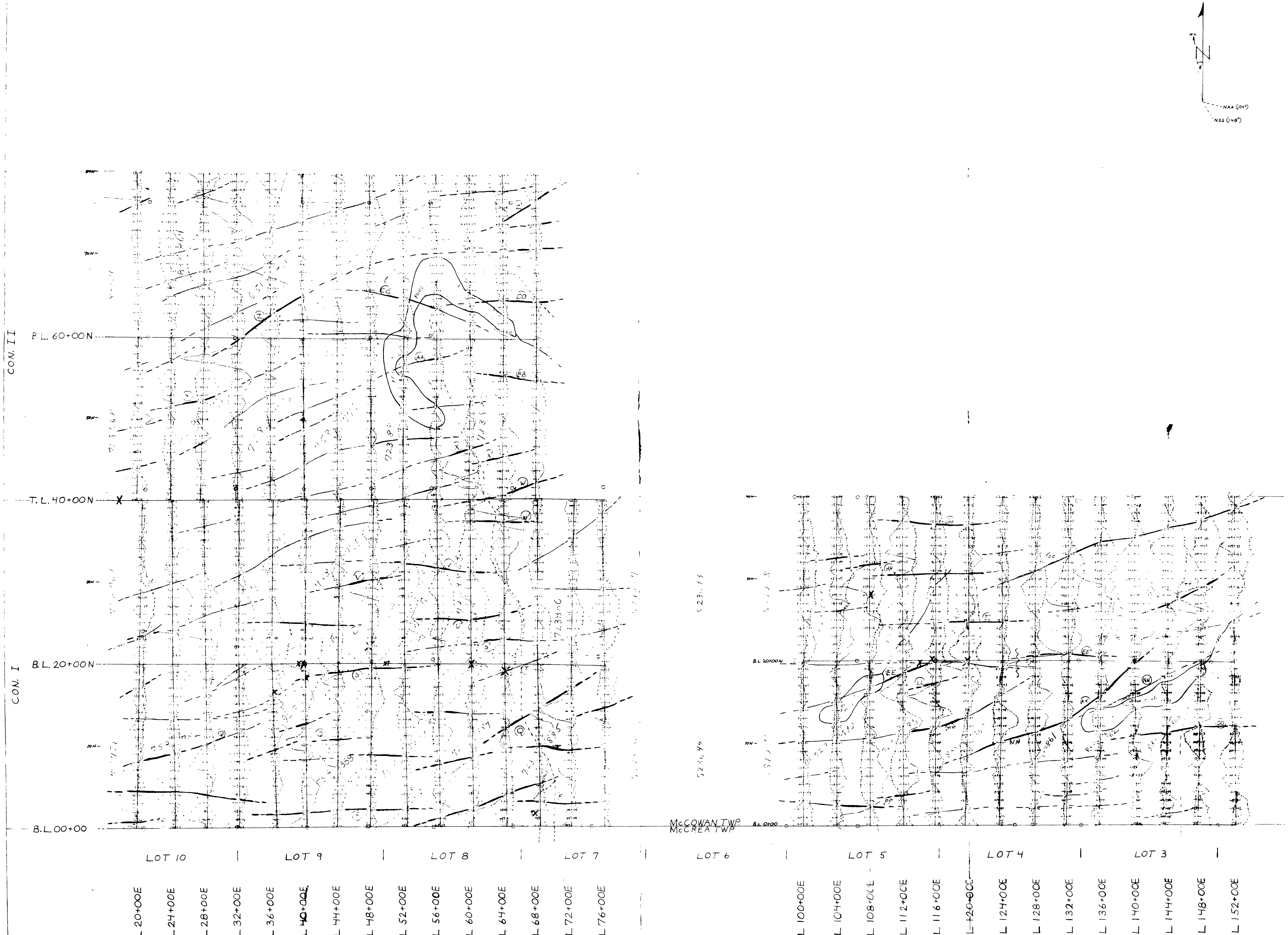
LEGEND
- CONDUCTOR AXIS
- ASSUMED CONDUCTOR AXIS
- IN PHASE
- QUADRATURE
- CONTOURS:
- 500 GAMMAS
- 100 GAMMAS
- MAGNETIC LOW
- LARGE TRENCH
- SMALL TRENCH OR PIT
- GEOLOGICAL BOUNDARY
- CLAIM POST:
- OBSERVED
- ASSUMED
- FAULT
- GRAVEL ROAD
- BUSH ROAD OR TRAIL

HORIZONTAL SCALE 1:400 (400' 0 400')
PROFILE SCALE (VLF) 1=40% (+40% 0 -40%)
CONTOUR INTERVAL= 100 GAMMAS
SURVEY DATE: JAN. 21 TO MARCH 10, 1985
CERTIFIED & DRAFTED BY: David Korpela
DAVID KORPELA
NORTHLAND EXPLORATION LTD.

NOTES:
- ALL MAG AND EM(NAA) READINGS TAKEN FACING NORTH.

BL.60+00N
BL.20+00N
BL.0+00
TL.40N
CON. II
CON. I
McCOWAN TWP
McCREA TWP
LOT 17
LOT 16
LOT 15
LOT 14
LOT 13
LOT 12
LOT 11
LOT 10
L100+00W
L 96+00W
L 88+00W
L 80+00W
L 72+00W
L 64+00W
L 56+00W
L 48+00W
L 40+00W
L 32+00W
L 24+00W
L 16+00W
L 8+00W
L 00+00
L 8+00E
L 16+00E

210



ROMEX RESOURCES INC
&
OMAB ENTERPRISES
LIMITED

McCOWAN GOLD PROPERTY

28007

VLF-EM SURVEY (EAST HALF)

McCOWAN TOWNSHIP
PORCUPINE MINING DIVISION

LEGEND

- CONDUCTOR AXIS
- ASSUMED CONDUCTOR AXIS
- INPHASE
QUADRATURE
CONTOURS:
- 500 GAMMAS
- 100 GAMMAS
- MAGNETIC LOW
- LARGE TRENCH
- SMALL TRENCH OR PIT
- GEOLOGICAL BOUNDARY
CLAIM POST:
- OBSERVED
- ASSUMED
- FAULT
- GRAVEL ROAD
- BUSH ROAD OR TRAIL

HORIZONTAL SCALE 1"=400' (400' 0 400')
PROFILE SCALE (VLF) 1"=40% (+40% 0 −40%)

CONTOUR INTERVAL=100 GAMMAS

SURVEY DATE: JAN. 21 TO MARCH 10, 1985

CERTIFIED & DRAFTED BY: David Korpela
DAVID KORPELA
NORTHLAND EXPLORATION LTD.

NOTES:
- ALL MAG AND EM(NAA) READINGS TAKEN FACING NORTH.

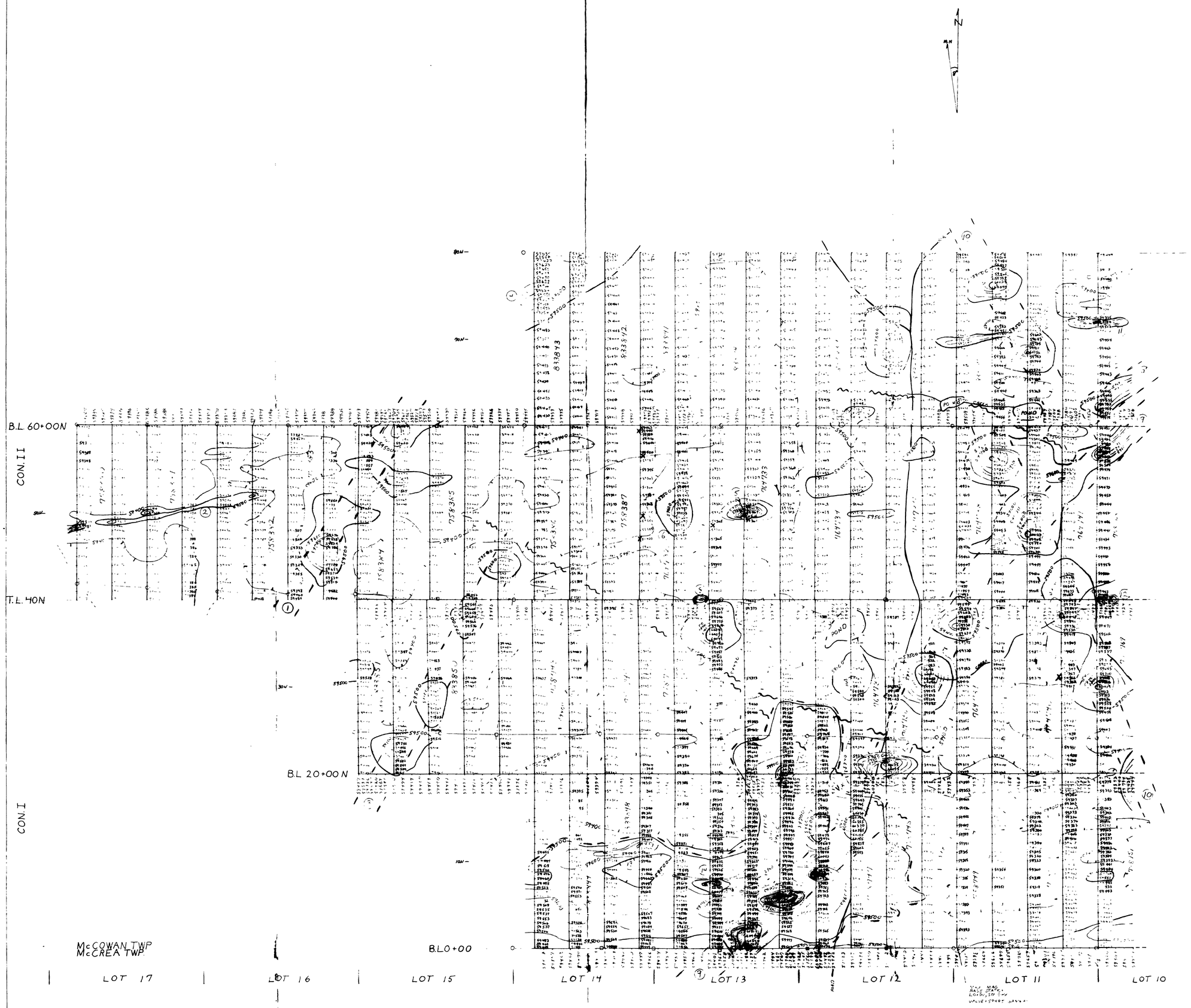
220

ROMEX RESOURCES INC
&
OMAB ENTERPRISES
LIMITED

McCOWAN GOLD PROPERTY 18007

MAGNETOMETER SURVEY (WEST HALF)

McCOWAN TOWNSHIP
PORCUPINE MINING DIVISION



LEGEND

- CONDUCTOR AXIS
- ASSUMED CONDUCTOR AXIS
- IN PHASE
- QUADRATURE

CONTOURS:

- 500 GAMMAS
- 100 GAMMAS
- MAGNETIC LOW
- LARGE TRENCH
- SMALL TRENCH OR PIT
- GEOLOGICAL BOUNDARY

CLAIM POST:

- OBSERVED
- ASSUMED
- FAULT
- GRAVEL ROAD
- BUSH ROAD OR TRAIL

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PROFILE SCALE (VLF) 1"=40% (+40% 0 -40%)

CONTOUR INTERVAL= 100 GAMMAS

SURVEY DATE: JAN. 21 TO MARCH 10, 1985

CERTIFIED & DRAFTED BY: David Korpela
DAVID KORPELA
NORTHLAND EXPLORATION LTD.

NOTES:
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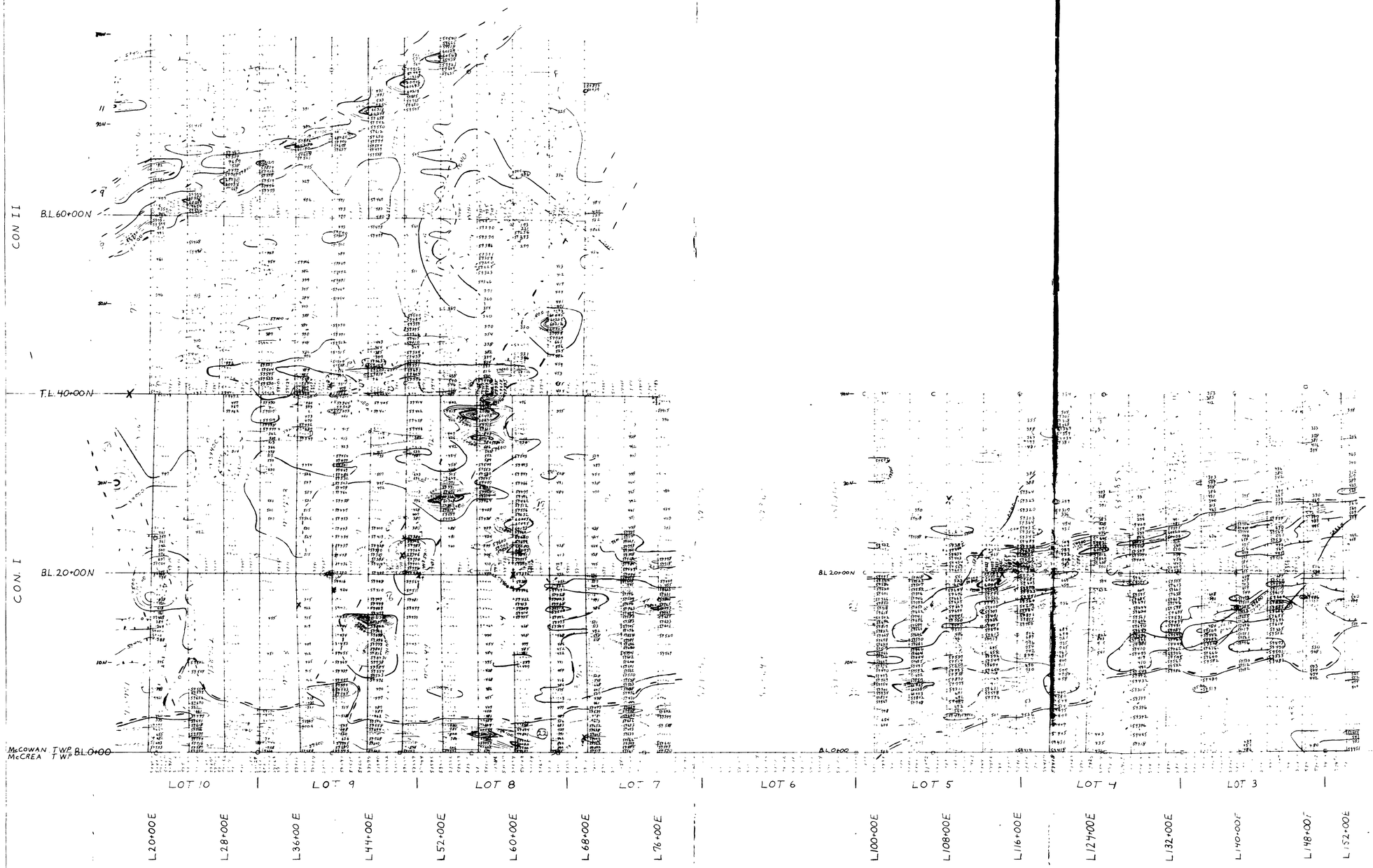
ROMEX RESOURCES INC
&
OMAB ENTERPRISES
LIMITED

McCOWAN GOLD PROPERTY

MAGNETOMETER SURVEY (EAST HALF)

McCOWAN TOWNSHIP
PORCUPINE MINING DIVISION

2.8007



LEGEND

- CONDUCTOR AXIS
- ASSUMED CONDUCTOR AXIS
- IN PHASE
- QUADRATURE

CONTOURS:

- 500 GAMMAS
- 100 GAMMAS
- MAGNETIC LOW
- LARGE TRENCH
- SMALL TRENCH OR PIT
- GEOLOGICAL BOUNDARY

CLAIM POST:

- OBSERVED
- ASSUMED
- FAULT
- GRAVEL ROAD
- BUSH ROAD OR TRA. L

HORIZONTAL SCALE 1"=400' 400' 0 400'

PROFILE SCALE (VLF) 1"=40% +40% 0 -40%

CONTOUR INTERVAL= 100 GAMMAS

SURVEY DATE: JAN. 21 TO MARCH 10, 1985

CERTIFIED & DRAFTED BY: David Korpela
DAVID KORPELA
NORTHLAND EXPLORATION LTD.

NOTES:
- ALL MAG AND EM(NAA) READINGS TAKEN FACING NORTH.