



41P15NE2001 OP93-375 CAIRO

010

FINAL SUBMISSION

DENIS CHARTRE AND ROGER DUFRESNE

OP93 - 375 AND OP93 - 376

1993 12 23

CAIRO TOWNSHIP

DUFRESNE - CHARTRE - SOUTH - CAIRO - PROPERTY
(seven claims staked in 1991 and two claims staked in 1992)

Claims 1179885, 1179886, 1179887, 1179888, 1179889,
1179890, 1185634, 1185635, 1185636.



41P15NE2001 OP93-375 CAIRO

010C

page 2

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SUMMARY

The Matachewan Area, in the District of Timiskaming located in Northern Ontario drew the attention of many gold prospectors as early as 1909 with the height of activity in the 1930's.

Past gold exploration had focused on the search for quartz veins near shear zones and faults with intrusions in the syenite porphyry.

Over the years other minerals have been found in small quantities: barite, asbestos, copper, lead, silver, zinc, molybdenite, and others.

In December, 1990 interest in base metals had come to life in the Matachewan Area with the copper discovery in Robertson Township, 9 miles north of Matachewan, by Strike Minerals Inc. and Queenston Mining Inc., two exploration companies based in Kirkland Lake. In the 1991 Annual report for Queenston Mining Inc., Queenston explains the geology as a small lens of volcanogenic massive sulphides which occurred in a thick pyritic exhalite sequence. The discovery hole returned 1.45% copper and 4.7% zinc over a core length of 30.8 feet. Further work by Queenston and Strike also identified a favourable base metal stratigraphy extending 6.5km across the property. In 1992 the property was optioned to Falconbridge.

Exploration Trinity also indicates participation in Matachewan copper discovery and provides us with a general geology and location sketch. (see annex "C")

Another General Geology map of the Matachewan Area is provided for us by W. Powell, from Queen's University.
(see annex "A") *FINAL SUBMISSION OP92-520 AND OP92-521*

After taking a long look at all the information Denis Chartre and Roger Dufresne decided to look at new ground which would have some potential as a gold-base-metal prospect in Cairo Township. As a result we prospected the old Matachewan Hub Pioneer Property in Cairo Township where it was reported that the bedrock was composed of greenstone and rhyolite cut by diabase dikes and Cobalt sedimentary rocks. The other property that was prospected was the George Sunisloe Property on the south side of the Montreal River (see map 2110); here, it was reported that for a length of more than a mile southwest from Fox Rapids and for a maximum width of 400 feet, mafic intrusive rocks on the south shore of the Montreal River are highly sheared. Near the southwest end of this major shear zone, about 700 feet north of a

granite batholith, a boss of massive granitic rocks about 600 feet in diameter has been intruded into the sheared mafic intrusive rocks. Again, it was reported that small amounts of chalcopyrite exist in the boss near its contact with the sheared diorite and serpentinite, and quartz-carbonate stringers cutting the diorite and serpentinite contain chalcopyrite, pyrite, hematite, and magnetite.

Seven claims were staked in the fall of 1991 and two more were staked in the spring of 1992. In the fall of 1991 many grab samples were taken for assay for copper and gold. The best assays were .04 oz/ton Au and 3.74% Cu for sample AA-1 and .06 oz/ton Au and 2.23% Cu for sample AA-3 (see Swastika Lab certificate # 1W-4108-RA1 dated Oct. 3, 1991.) (ANNEX "I")

Since no work had been done on these claims since 1966, Roger Dufresne and Denis Chartre believed that it was time for the property to have another evaluation using a new approach and up-to-date prospecting methods. The plan was to locate and clean out all the pits using manual labour and power strip where it was possible using Wajax high pressure pump, take samples, do line cutting and complete a Mag Survey, put together geological mapping and finally, prepare recommendations for future work.

Ed Chartre of Services Explorations Enrg. who mapped the Prospecting Program - 1992 on the 10 stripped sites explains that the exposed rock surfaces and local outcrops indicate the presence of a granodiorite with dioritic phases. A major fault zone traverses the northwestern part of the property in a northeasterly direction. This fault zone lies mostly under the bed of the Montreal River. The fault has been exposed in trench (area 7) where the rock exposure indicates the presence of strongly sheared granodiorite while shearing increases northwestwards towards the river. This strong fault zone has fractured the adjacent granodiorite with most of the quartz-filled fractures trending northeasterly. The numerous fractures observed are host to quartz veins which vary in length and width. The quartz veins and adjacent sheared walls contain disseminated hematite, magnetite, chalcopyrite and pyrite. The strongest concentration of chalcopyrite is in trench # 7. The highest gold assay returned 240 ppb and the highest copper assay returned 2.48%. The pervasive distribution of low gold values would seem to indicate the presence of a gold-bearing system within the fault zone under the Montreal River. (see report annex "I")

FINAL SUBMISSION OP 92-520
-521

Ed Chartre of Services Explorations Enrg. carried a magnetometer survey on the Chartre-Dufresne Cairo Property with the purpose of outlining fault zones as possible prospecting targets. 2.8 line km were covered using an Exploranium G-816

proton magnetometer on claims 1179886, 1179887 and 1179890. The results show two northwest trending faults. These two fault zones appear to be good targets for systematic prospecting in order to find more information regarding the presence of gold-bearing structures. (see report ~~annex " "~~)

~~FINAL~~ FINAL SUBMISSION OP 92-520
- 521

Howard Lovell, former geologist with M.N.D.M. visited the property twice and provided interesting observations. Howard explains that in as much as the chalcopryite-bearing quartz-carbonate veins fill fractures in this diabase, perhaps the chalcopryite originated post diabase or was remobilized from older basement rocks by the intruding diabase. The chalcopryite in the serpentinite along one claim length of the Montreal River shore between high and low water levels tends to occur along the numerous slip planes and as fracture fillings both accompanying quartz gangue and silicification, and also as chalcopryite alone. Howard suggests that diamond drilling should take into account the cliff under the Montreal River below the low water level. (See report ~~annex " "~~)

FINAL SUBMISSION OP 92-520 AND OP 92-521

In the year 1993, Denis Chartre and Roger Dufresne continued the systematic re-evaluation of the remainder of pits and trenches located 500 to 600 feet from the water's edge on G. Sunisloe's claim # 39477 where North Expo found 5' of 2.56% copper in a drill hole. Using manual labour and a Wajax high pressure water pump these pits were cleaned out and reevaluated. The layout, description, evaluation and assays are enclosed in this report. A Magnetometer survey was completed on claims # 1179888 and # 1185634. A V.L.F. survey was completed on the following claims: # 1179886, # 1179887, # 1179880, #1179888 and # 1185634. Results of surveys are enclosed.

Acknowledgements

We wish to thank David Bending, Senior Geologist with Homestake Canada Ltd., who visited our Holmes-Flavelle Property and our Cairo Property and has provided for us, a compilation map for the Holmes-Flavelle Property and assays, whole rock analysis and comments for the Cairo Property. (see annex " D ")

We wish also ~~like~~ to thank Ed Chartre of Services Explorations Enrg. for a fine report.

Description of Property

Denis Chartre and Roger Dufresne staked a total of nine contiguous claims in Cairo Township. The claim numbers are: 1179885, 1179886, 1179887, 1179888, 1179889, 1179890, 1185634, 1185635, 1185636.

The property consists of the old Matachewan Hub Pioneer Property and the former George Sunisloe Property. (references 16 and 18 on map 2110 Powell and Cairo Townships Timiskaming District) (see Cairo claim map dated June 10, 1992)

Location

The property is located in the southwest sector of Cairo Township about one mile east of the community of Matachewan, Ontario. Highway 66, between Matachewan and Kirkland Lake, is located a few hundred feet north of the Montreal River which forms part of the property. The claims are south of the eastern bend of the Montreal River. (see Cairo claim map dated June 10, 1992)

ACCESS

The property is accessed by truck. We travel West 59k. from Kirkland Lake along Highway 66 to Matachewan. About one mile East of Matachewan, a boat is launched at the Hub Pioneer Park into the Montreal River. The claims can be found across the river and the stripped areas on claim #1179888 and #1179887 up river; the witness posts are visible from the water.

Regional Geology

G. L. Kirwan, Consulting Geologist with North Expo Mines Limited explains in a report dated April 22, 1966 that Keewatin volcanic flows are the most abundant rock types in the Matachewan area, and two parallel east-trending synclines are formed by Temiskaming sediments in Cairo and adjacent Powell townships. These rocks are intruded by Algomian igneous rocks consisting of syenite and granite which in turn, have been intruded by north-trending diabase dikes. The flat-lying Cobalt Conglomerate lies with marked unconformity upon Precambrian formations. Shear zones in the Keewatin flows and pyroclastic rocks on the property contain mineralization consisting essentially of pyrite, pyrrhotite, and chalcopyrite, as well as iron formation.

Property Geology

Howard Lovell, staff geologist with M.N.D.M. in Geological Report # 51 Geology of the Matachewan Area, 1967, page 49 explains that for a length of more than a mile southwest from Fox Rapids and for a maximum width of 400 feet, mafic intrusive rocks on the south shore of the Montreal River are highly sheared. The strike of the shearing is approximately parallel to the shore of Montreal River, and the dip is south.

Ed Chartre of Services Explorations Enrg. who mapped the Prospecting Program - 1992 on the 10 stripped sites explains that the exposed rock surfaces and local outcrops indicate the presence of a granodiorite with dioritic phases. A major fault zone traverses the northwestern part of the property in a northeasterly direction. This fault zone lies mostly under the bed of the Montreal River. The fault has been exposed in trench (area 7) where the rock exposure indicates the presence of strongly sheared granodiorite while shearing increases northwestwards towards the river. This strong fault zone has fractured the adjacent granodiorite with most of the quartz-filled fractures trending northeasterly. The numerous fractures observed are host to quartz veins which vary in length and width. The quartz veins and adjacent sheared walls contain disseminated hematite, magnetite, chalcopyrite and pyrite. The strongest concentration of chalcopyrite is in trench # 7. The highest gold assay returned 240 ppb and the highest copper assay returned 2.48%. The pervasive distribution of low gold values would seem to indicate the presence of a gold-bearing system within the fault zone under the Montreal River. (see report annex ~~" "~~)

FINAL SUBMISSION OP 92-520
OP 92-521

Ed Chartre of Services Explorations Enrg. carried a magnetometer survey on the Chartre-Dufresne Cairo Property with the purpose of outlining fault zones as possible prospecting targets. 2.8 line km were covered using an Exploranium G-816 proton magnetometer on claims 1179886, 1179887 and 1179890.

The results show two northwest trending faults. These two fault zones appear to be good targets for systematic prospecting in order to find more information regarding the presence of gold-bearing structures. (see report ~~annex " "~~)

*FINAL SUBMISSION OP92-520
OP92-521*

Howard Lovell, former geologist with M.N.D.M. visited the property three times and provided interesting observations. Howard explains that in as much as the chalcopryite-bearing quartz-carbonate veins fill fractures in this diabase, perhaps the chalcopryite originated post diabase or was remobilized from older basement rocks by the intruding diabase. The chalcopryite in the serpentinite along one claim length of the Montreal River shore between high and low water levels tends to occur along the numerous slip planes and as fracture fillings both accompanying quartz gangue and silicification, and also as chalcopryite alone. Howard suggests that diamond drilling should take into account the cliff under the Montreal River below the low water level.

(See report ~~annex " "~~) *FINAL SUBMISSION OP 92-520
OP 92-521*

Maurice Y. Houle, Contract Geologist with Falconbridge Limited indicated that the property hosts geological features favourable for hosting economic shear zone gold-silver-copper mineralization similar to the Young-Davidson Mine. The mineralization consists of up to 10% py, cpy in shear zones and quartz veins within shear zones. The shear systems are narrow, (typically <5 metres wide) and contain disseminated sulphides up to 10 centimetres in the wallrock adjacent to shears. The property is underlain by Precambrian serpentinite intruded by felsic intrusive rocks ranging from equigranular granodiorite to quartz feldspar porphyry.

(see Falconbridge file ~~at annex " "~~) *FINAL SUBMISSION OP92-520
OP92-521*

David Bending of Homestake Canada Ltd. provided some assays and observations on the Cairo property. Assays and whole rock analysis are enclosed at annex "D".

History

1964 - (circa) George Sunisloe staked 11 claims, dug pits and trenches, found gold and copper. The mineralized host rock is reported to be mainly diorite of Haileyburian age. G. Sunisloe reported a few low assays of gold in samples of quartz bearing metallic gold from veins cutting granodiorite.

1965- Rosmar Corp. Ltd. conducted a limited amount of self-potential work, advanced geology and geophysics. Prior work and trenching exposed two copper bearing zones and one major anomalous condition was recorded in Keewatin Volcanics including two parallel anomalies, one minor anomaly and 3 sub-anomalies trending Eastward in Temiskaming sediments containing high grade anomalous characteristics.

1966 - North Expo Mines Ltd. did a combined magnetic-electromagnetic survey on part of property followed by 3 ddh in two zones. Five feet of core yielded 2.56% Cu.

1991 - Denis Chartre and Roger Dufresne prospected the general area; they discovered a number of old pits; they took a number of rock samples; the best assays were AA-1 and AA-3 which yielded .04 and .06 Au (oz/ton) respectively and 3.74% and 2.23% copper respectively. (See annex "I")

1992 - Denis Chartre and Roger Dufresne assisted by Services Explorations Eng. stripped 10 areas on claim 1179888 with the following results: Ed Chartre of Services Explorations Enrg. who mapped the Prospecting Program - 1992 on the 10 stripped sites explains that the exposed rock surfaces and local outcrops indicate the presence of a granodiorite with dioritic phases. A major fault zone traverses the northwestern part of the property in a northeasterly direction. This fault zone lies mostly under the bed of the Montreal River. The fault has been exposed in trench (area 7) where the rock exposure indicates the presence of strongly sheared granodiorite while shearing increases northwestwards towards the river. This strong fault zone has fractured the adjacent granodiorite with most of the quartz-filled fractures trending northeasterly. The numerous fractures observed are host to quartz veins which vary in length and width. The quartz veins and adjacent sheared walls contain disseminated hematite, magnetite, chalcopyrite and pyrite. The strongest concentration of chalcopyrite is in trench # 7. The highest gold assay returned 240 ppb and the highest copper assay returned 2.48%. The pervasive distribution of low gold

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521)

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92-521)

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FINAL SUBMISSION OP 92-520
OP 92-521)

General note:

In the Matachewan area gold is associated with pyrite and chalcopryite (copper) found in quartz veins cutting syenite. In the G. Sunisloe claim group, copper was reported as being found at the contact of sheared mafic intrusive rocks with granitic intrusive rocks.

Recommendations and Conclusions

The current prospecting program undertaken by D. Chartre and R. Dufresne included the stripping and trenching of 4 different sites along a ridge which parallels the Montreal River. All of the observed quartz-carbonate veins have been sampled and assayed for gold. Most of the samples assayed returned values ranging from 0.01 to 0.15 gr/T.

The presence of low gold values within most quartz-carbonate veins, strongly suggests the occurrence of a favourable gold-bearing environment.

It is recommended that a continued exploration program be implemented.

The V.L.F. electromagnetic conductor may indicate the presence of a fault or shear zone.

The magnetometer survey has outlined numerous magnetic anomalies of random distribution probably caused by the variable concentrations of disseminated magnetite within the mafic intrusives of the area.

The V.L.F. electromagnetic survey has defined a north-south trending conductor near the river's edge.

It is recommended that an induced polarization survey be undertaken on the property in an attempt to outline zones of sulfide concentrations.

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Swastika Laboratories

A Division of TSL / ASSAYERS INC.

Established 1928

Assaying - Consulting - Representation

P.37

Assay Certificate

3W-2564-RA1

Company: **ROGER DUFRESNE**
Project: **OPAP/93 CAIRO TOWNSHIP**
Attn:

Date: OCT-06-93

We hereby certify the following Assay of 29 ROCK samples submitted SEP-27-93 by .

Sample Number	Au g/tonne	Au oz/ton	Au g/tonne	Au oz/ton	Ag oz/ton	Cu %
17651	0.11	.003	0.11	.003	0.01	0.77
17652	0.01	.001				
17653	0.01	.001				
17654	0.02	.001			0.01	0.23
17655	0.02	.001			0.01	0.24
17656	0.01	.001				
17657	0.01	.001			0.01	0.34
17658	0.02	.001			0.01	0.33
17659	0.04	.001				
17660	0.03	.001				
17661	0.01	.001			0.01	0.04
17662	0.03	.001	0.03	.001		
17663	0.02	.001			0.01	0.12
17664	0.02	.001				
17665	0.03	.001			0.01	0.91
17666	0.02	.001			0.01	0.87
17667	0.01	.001			0.01	0.38
17668	0.02	.001				
17669	0.15	.004	0.13	.004		
17670	0.02	.001				0.27
17671	0.02	.001				
17672	0.02	.001				
17673	0.02	.001				
17674	0.01	.001				
17675	NIL					
17676	NIL					
17677	0.02	.001				
17678	NIL					
17679	0.02	.001	0.02	.001		

Certified by Denis Chantre

P.38

Swastika Laboratories
P.O. Box 10
Swastika, Ontario
P0K 1T0

INVOICE

NO: 28902
DATE: 10-07-93
PAGE: 1 of 1

SOLD TO:

SHIP TO:

R. Dufresne
14 Wright-Hargreaves Ave.
Kirkland Lake, Ontario
P2N 1B2

Same

GST Number: R132862640

ITEM NO.	QUANTITY	UNIT	DESCRIPTION	G	P	UNIT PRICE	AMOUNT
	29	Code 1	Au Assays	3		8.000	232.00
	10	Code 1	Ag Assays	3		2.500	25.00
	11	Code 1	Cu Assays	3		1.250	13.75
	29	Code 4	Sample Prep	3		3.000	87.00
			Cert #3W-2564-RA1				
			Less 10% Discount		3		38.28
			3-GST @ 7 %				22.36
						TOTAL	341.80

SWASTIKA LABORATORIES

OCT 16 PAID

THANKS

PER *[Signature]*

COMMENTS:
Net 30 Days

SERVICES EXPLORATION SERVICES Enrg. Reg'd

766, BOUL. QUÉBEC
C.P. 428
ROUYN-NORANDA, P.Q.
J9X 5C4

TÉLÉPHONE: (819) 797-0853
1-800-567-6053

FAX: (819) 797-1848
1-800-661-1848

1039

Levés géophysiques	Geophysical Surveys
Levés géologiques	Geological Surveys
Jalonnement de claims	Claim staking
Dessin et reproduction	Drafting and Reproduction
Coupage de lignes	Line Cutting
Programmes d'exploration	Exploration Programmes
Ventes d'articles d'exploration minière	Sales of mining exploration articles

En compte avec: Denis Chartré
In account with:
Box 53
Swastika, Ont.
POK 1T0

FACTURE INVOICE	7573
--------------------	------

Projet: CAIRO TWP.
Project: _____

DATE Dec. 30, 1993	NUMERO DU CLIENT CUSTOMER NO.
N° COMMANDE PURCHASE ORDER NO.	

DESCRIPTION	PRIX UNITAIRE UNIT PRICE	TOTAL
Magnetometer Survey: 2.7 Km	\$ 65.00	\$ 175.50
V L F Electromagnetic Survey: 4.6 Km	\$ 65.00	\$ 299.00
		\$ 474.50
G S T		\$ 33.18
	TOTAL	\$ 507.68

T.P.S./G.S.T.: R105801906
T.V.P./P.S.T.: Q-10-0169-9225 TV 0001

THANK YOU

LF-2132

Code: _____

TERME: NET 30 JOURS
TERMS: NET 30 DAYS

COPIE DU CLIENT

SERVICES EXPLORATION SERVICES Enrg. Reg'd

785, BOUL. QUÉBEC
C.P. 428
ROUYN-NORANDA, P.Q.
J9X 5C4

TELEPHONE: (819) 797-0853
1-800-567-6053

FAX: (819) 797-1848
1-800-661-1848

P.40

Levés géophysiques	Geophysical Surveys
Levés géologiques	Geological Surveys
Jalonnement de claims	Claim staking
Dessin et reproduction	Drafting and Reproduction
Coupage de lignes	Line Cutting
Programmes d'exploration	Exploration Programmes
Ventes d'articles d'exploration minière	Sales of mining exploration articles

En compte avec: Denis Chartré
In account with:

Box 53
Swastika, Ont.
POK 1T0

FACTURE
INVOICE

7574

Projet: CAIRO TWP.
Project: _____

DATE Dec. 30, 1993	NUMERO DU CLIENT CUSTOMER NO.
N° COMMANDE PURCHASE ORDER NO.	

DESCRIPTION	PRIX UNITAIRE UNIT PRICE	TOTAL
Geological Mapping & Report on Prospecting Program (OPAP)		\$ 750.00
G S T		\$ 52.50
	TOTAL	\$ 802.50

T.P.S./G.S.T.: R105801906
T.V.P./P.S.T.: Q-10-0169-9225 TV 0001

THANK YOU

LF-2132

Code: _____

TERME: NET 30 JOURS
TERMS: NET 30 DAYS

COPIE DU CLIENT



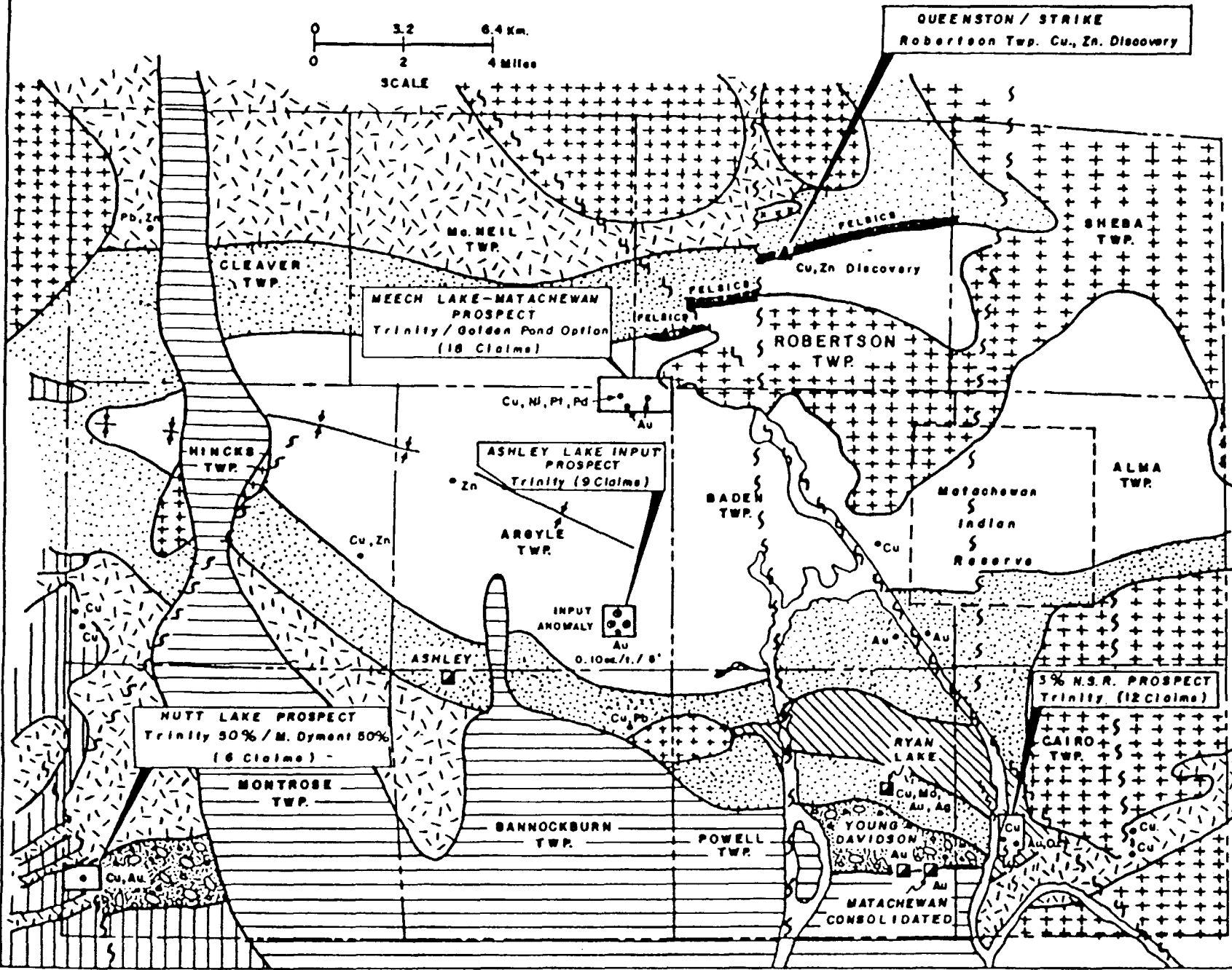
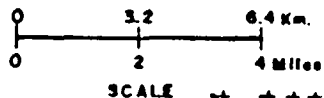
86-47
14-69

ANNEX "B"

"MATACHEWAN AREA COPPER DISCOVERY"

GENERAL GEOLOGICAL and LOCATION SKETCH

4432



LEGEND

- Huronian Supergroup unconfined
- Pelitic Intrusives
- Mafic Intrusives
- PORCUPINE GROUP EQUIVALENTS**
- Conglomerate (Timiskamian)
- Greywacke (Keewatin)
- METAVOLCANIC**
- Cycle III**
- Snake River Group Equivalent
- Kinojevis Group Equivalent
- Larder Lake Group Equivalent
- Cycle II**
- Sheep Group Equivalent
- Fault, Shear



(708) 667-38

ANNEX 4C

(Modified after R Macle and P Soble (MPH Consulting, 1988))



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul. Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

HOMESTAKE MINERAL DEVELOPMENT COMPANY

2116 - 120 ADELAIDE ST., W.
TORONTO, ON
M5H 1T1

Page N : 1
Total Pages : 1
Certificate Date: 25-AUG-92
Invoice No. : 19219251
P.O. Number :
Account : HRD

Project : 5700
Comments: ATTN: DAVID BENDING

CERTIFICATE OF ANALYSIS

A9219251

SAMPLE	PREP CODE	Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %	
CMA-2	208 274	7.63	1.53	0.13	19.10	0.05	9.52	0.09	0.06	0.57	51.51	0.80	4.79	95.77	
<i>CAIRO TWP.</i>															

CERTIFICATION:

Phai D Ma



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
5175 Timberlea Blvd., Mississauga,
Ontario, Canada L4W 2S3
PHONE: 416-624-2806

Client: HOMESTAKE MINERAL DEVELOPMENT COMPANY

2116 - 120 ADELAIDE ST., W.
TORONTO, ON
M5H 1T1

Project: 5700
Comments: ATTN: DAVID BENDING

Page 1 of 1
Total Fees: \$1
Certificate Date: 14-AUG-92
Invoice No.: I9219250
P.O. Number:
Account: HRD

CERTIFICATE OF ANALYSIS

A9219250

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t									
DE1-1	212 274	355	0.4									
DE1-2	212 274	>10000	44.1									
DE1-3	212 274	185	-----									
DE2-1	212 274	195	-----									
DE2-2	212 274	70	-----									
CD1-1	212 274	15	-----									
CD1-2	212 274	1030	1.1									
CD1-3	212 274	145	-----									
CD1-4	212 274	430	0.4									
CD1-5	212 274	15	-----									
CD1-6	212 274	175	-----									
CD1-7	212 274	8640	7.8									
CD1-8	212 274	3370	3.2									
CD1-9	212 274	40	-----									
CMA-1	212 274	10	-----									
CMAA-1	212 274	290	-----	} CAIRO TWP.								
CMAA-2	212 274	< 5	-----									
CMB-1	212 274	< 5	-----									
CMC-1	212 274	325	0.3									
CMC-2	212 274	10	-----									

CERTIFIED BY *Alvina Alexander*



Established 1928

Swastika Laboratories

A Division of Assayers Corporation Ltd.

Assaying - Consulting - Representation

ANNEX "I"
6

Assay Certificate

1W-4108-RA1

Company: **ROGER DUFRESNE**

Date: OCT-03-91

Project:

Copy 1. 14 Wright-Hargraves,,Kirkland Lake.

Attn:

We hereby certify the following Assay of 2 rock samples submitted OCT-02-91 by .

Sample Number	Au oz/ton	Au check oz/ton	Au 2nd oz/ton	Cu %
AA-1	0.044	0.042		3.74
AA-3	0.052	0.062	0.051	2.23

Certified by Donna Gardner

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SERVICES EXPLORATION SERVICES Enrg.
Reg'd.

TÉL.: (819) 797-0853
FAX: (819) 797-1848

766, BOUL. QUÉBEC
C. P. 428
ROUYN-NORANDA, P.Q.
J9X 5C4

Dessin et Reproduction
Jalonnement de Claims
Coupage de Lignes
Levés Géophysiques
Levés Géologiques
Programmes d'Exploration
Vente d'articles
d'exploration minière

Drafting and Reproduction Services
Claim Staking
Line Cutting
Geophysical Surveys
Geological Surveys
Exploration Programmes
Sales of mining
exploration articles



41P15NE2001 OP93-375 CAIRO

020

PROSPECTING PROGRAM
CHARTRE-DUFRESNE OPAP PROJECT
CAIRO TWP. PROPERTY

October 1993

TABLE OF CON



41P15NE2001 OP93-375 CAIRO

020C

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II - PROPERTY	P 1
III - LOCATION & ACCESSIBILITY	P 2
IV - PROSPECTING PROGRAM	P 2
V - CONCLUSIONS & RECOMMENDATIONS	P 5

APPENDIX

A - Assay results

MAPS

1 - Claim Map	1" = 1/2 mi
2 - General Geology Map	1" = 1/2 mi.
3 - Location Map	1" = 2 mi.
4 - Location Map	1:1 600 000

I - INTRODUCTION:

This report, written at the request of D. Chartré and R. Dufresne, describes the prospecting carried out on the CHARTRE-DUFRESNE Cairo township property during the months of August, September and October, 1993.

The stripping, trenching and sampling programs were carried out within the framework of an OPAP project, in an attempt to locate and re-evaluate old trenches and pits.

II - PROPERTY:

The CHARTRE-DUFRESNE property consists of 7 contiguous 16 hectare claims which are numbered as follows:

1179885 - 1179886 - 1179887 - 1179888 - 1179889
1179890 - 1185634.

The prospecting referred to in this report was carried out on claims 11179887 and 1179890.

III - LOCATION & ACCESSIBILITY:

The claim group is located in the southwest quadrant of Cairo township at an approximate distance of 1/2 mile east of the town of Matachewan, Ontario.

From Matachewan, the claim group may be reached by travelling along highway 66, eastwards, for a distance of 1 mile to a river access point - then the claim group may be reached by crossing the river by boat.

IV - PROSPECTING PROGRAM:

a) Stripping & Trenching:

A total of 4 sites have been stripped and trenched, exposing old trenches and pits and also fresh rock exposures along a ridge parallel to the shore of the Montréal River, on claims 1179887 and 1179890. (see accompanying map for location).

The stripping was done manually by clearing areas of vegetation and then by cleaning rock surfaces by using a fire hose.

b) Geology:

The exposed rock surfaces and local outcrops indicate the presence of granodiorite with dioritic phases.

The granodiorite is greyish pink in colour with a buff altered surface. This rock type has a coarse granitic texture and contains the following minerals:

- feldspars 40%
- amphibole-pyroxene 15%
- quartz 15%
- biotite 5%

- accessory minerals include hematite, magnetite and pyrite.

The diorite has a dark greyish-green colour and a greyish-green altered surface. Its mineral composition is similar to that of the granodiorite, however, quartz is usually absent.

c) Structure.

Only a few minor shear zones have been observed on the exposed rock surfaces; these usually strike at 50°.

d) Economic Geology:

The numerous fractures and shear zones observed are usually host to quartz-carbonate veins; these are usually short, in the range of 1 to 4 meters. Their widths vary from a few mm to 25 cm.

Most of the veins contain disseminated pyrite, chalcopyrite and hematite.

The highest gold value assayed 0.15 g/T and the highest copper value assayed 0.91% Cu/T.

e) Sampling:

Samples of mineralized quartz-carbonate veins were taken randomly within the stripped and trenched areas.

The location, the sample no and assay results are of each sample are indicated on accompanying maps.

A total of 29 samples have been assayed for gold. Of these, 11 have also been assayed for silver and copper. Assay results are tabulated on Appendix "A" of this report.

V - CONCLUSIONS & RECOMMENDATIONS:

The current prospecting program undertaken by D. Chartré and R. Dufresne included the stripping and trenching of 4 different sites along a ridge which parallels the Montréal River. All of the observed quartz-carbonate veins have been sampled and assayed for gold. Most of the samples assayed returned values ranging from 0.01 to 0.15 gr/T.

The presence of low gold values within most quartz-carbonate veins, strongly suggests the occurrence of a favourable gold-bearing environment.

It is recommended that a continued exploration program be implemented.

Respectfully submitted:

E. Chartré, B.A., B.Sc. _____

Oct. 30, 1993



Established 1928

Swastika Laboratories

A Division of TSL / ASSAYERS INC.

Assaying - Consulting - Representation

Assay Certificate

3W-2564-RA1

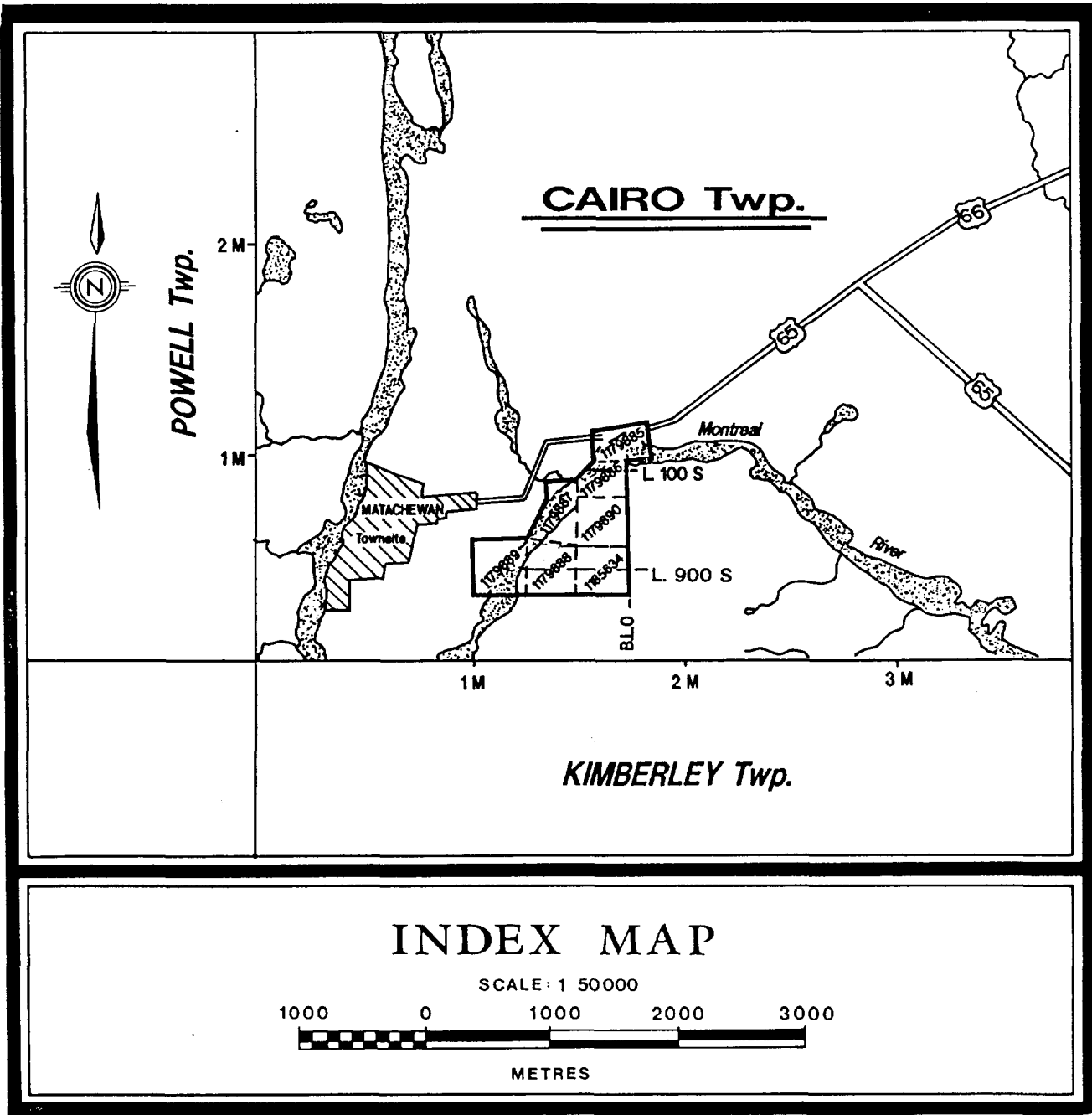
Company: **ROGER DUFRESNE**
 Project: **OPAP/93 CAIRO TOWNSHIP**
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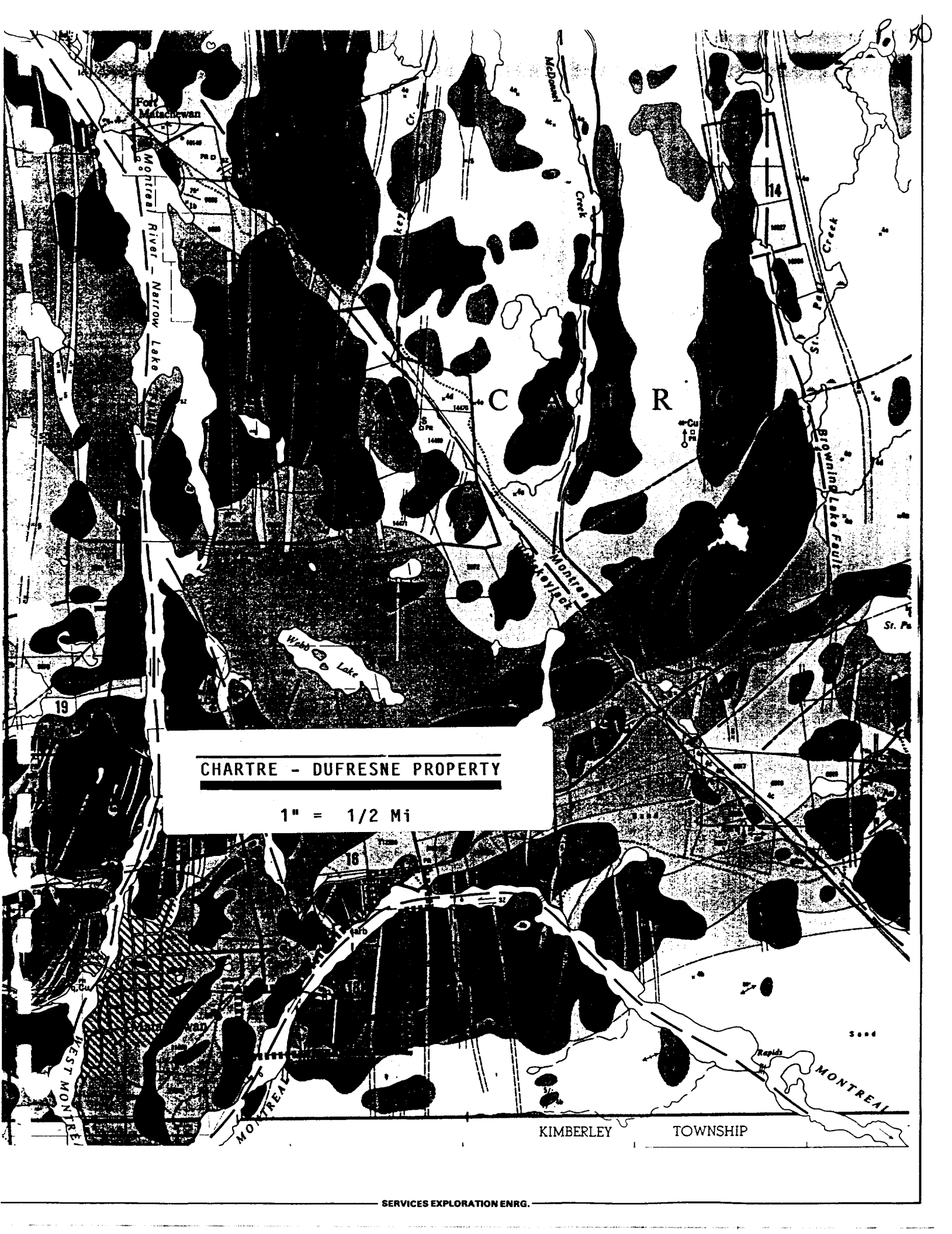
Date: OCT-06-93

We hereby certify the following Assay of 29 ROCK samples submitted SEP-27-93 by .

Sample Number	Au g/tonne	Au oz/ton	Au g/tonne	Au oz/ton	Ag oz/ton	Cu %
17651	0.11	.003	0.11	.003	0.01	0.77
17652	0.01	.001				
17653	0.01	.001				
17654	0.02	.001			0.01	0.23
17655	0.02	.001			0.01	0.24
17656	0.01	.001				
17657	0.01	.001			0.01	0.34
17658	0.02	.001			0.01	0.33
17659	0.04	.001				
17660	0.03	.001				
17661	0.01	.001			0.01	0.04
17662	0.03	.001	0.03	.001		
17663	0.02	.001			0.01	0.12
17664	0.02	.001				
17665	0.03	.001			0.01	0.91
17666	0.02	.001			0.01	0.87
17667	0.01	.001			0.01	0.38
17668	0.02	.001				
17669	0.15	.004	0.13	.004		
17670	0.02	.001				0.27
17671	0.02	.001				
17672	0.02	.001				
17673	0.02	.001				
17674	0.01	.001				
17675	NIL					
17676	NIL					
17677	0.02	.001				
17678	NIL					
17679	0.02	.001	0.02	.001		

Certified by Denis Chantre

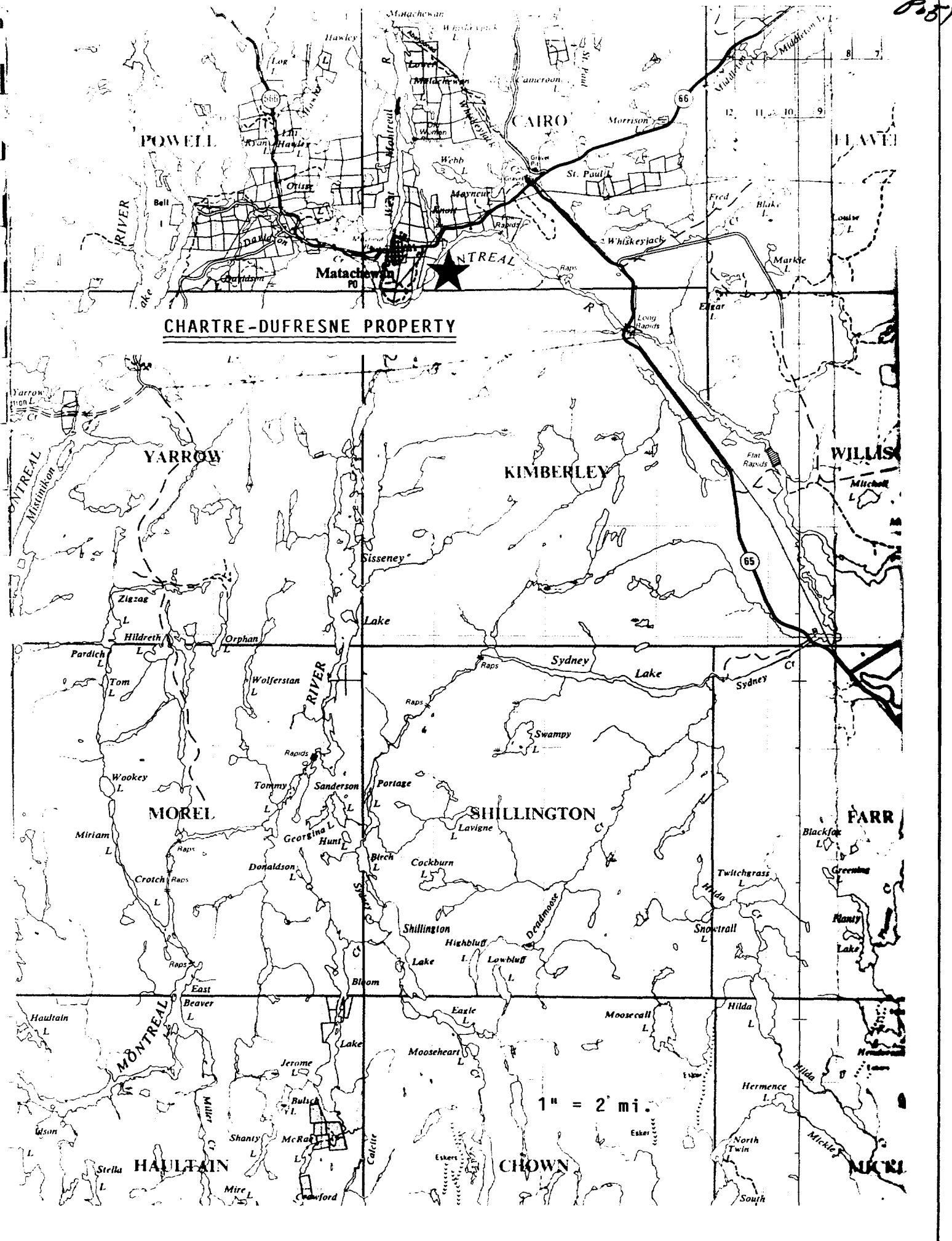




CHARTRE - DUFRESNE PROPERTY

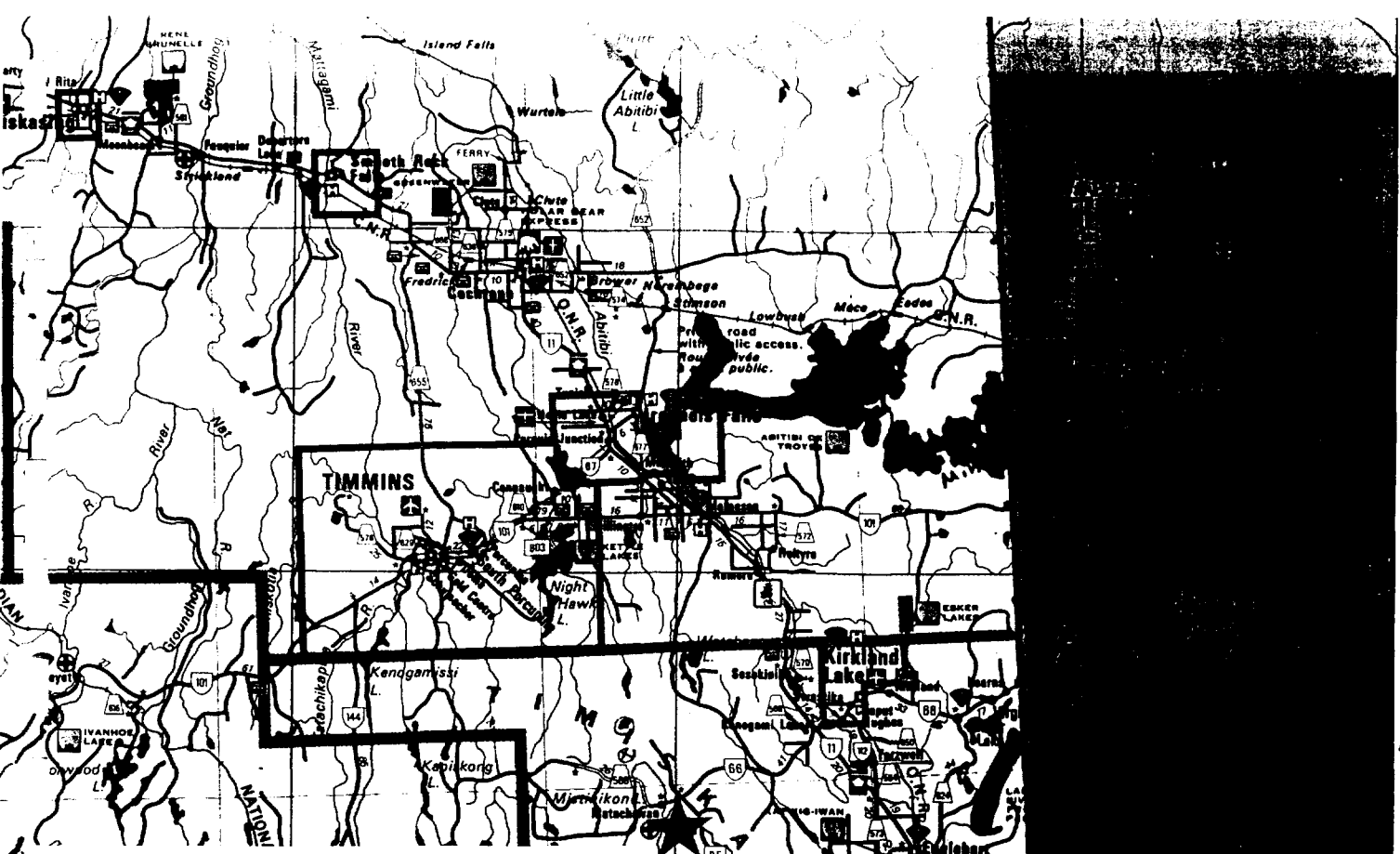
1" = 1/2 Mi

KIMBERLEY TOWNSHIP

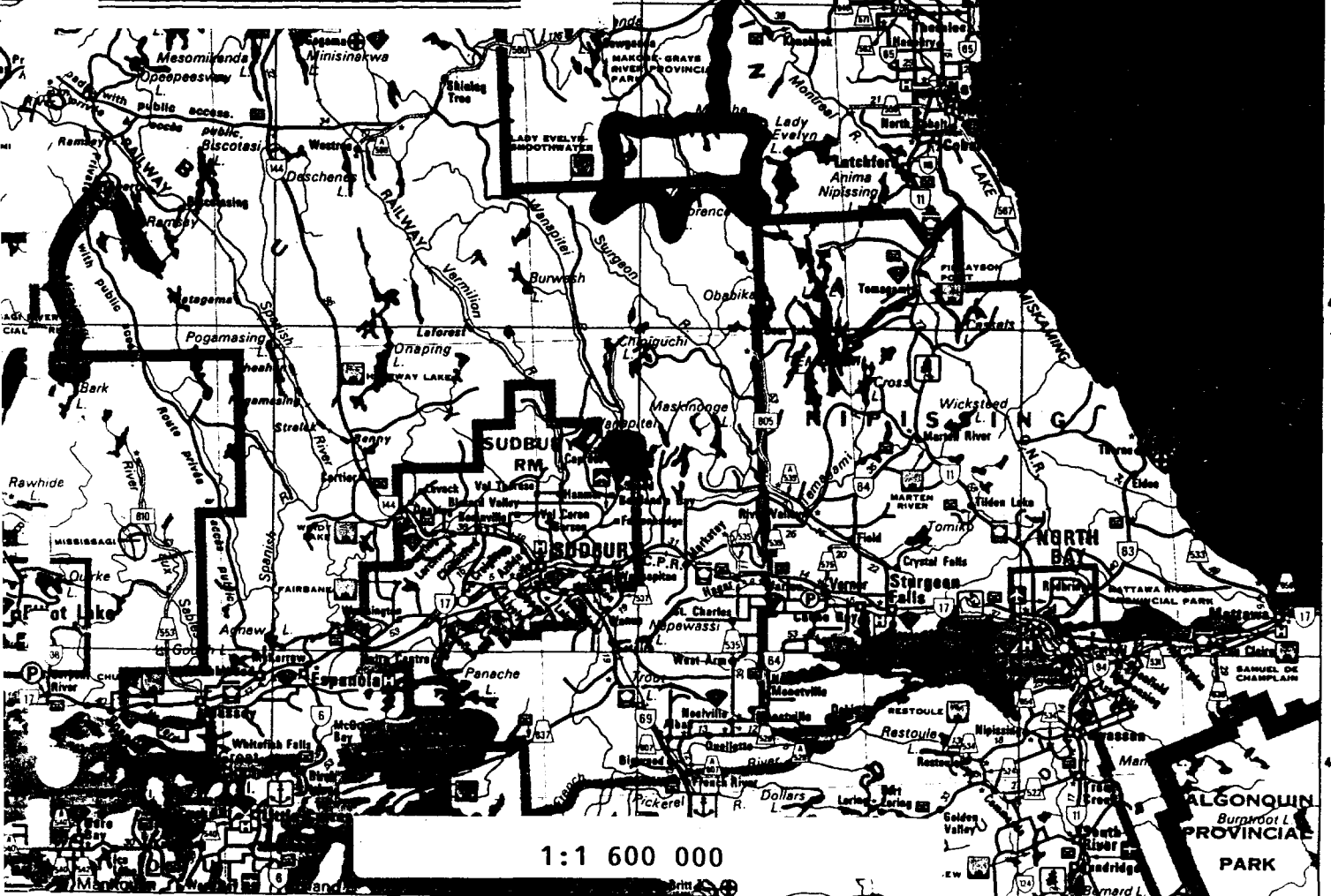


CHARTRE-DUFRESNE PROPERTY

1" = 2 mi.



CHARTRE-DUFRESNE PROPERTY



1:1 600 000

62°

81°

Queen's Printer for Ontario, 1988 80° Imprimeur de la Reine pour l'Ontario, 1988

79°

p53

SERVICES EXPLORATION SERVICES

TÉL.: (819) 797-0853
FAX: (819) 797-1848

765, BOUL. QUÉBEC
C.P. 428
ROUYN-NORANDA, P.Q.
J9X 5C4

Dessin et Reproduction
Jalonnement de Claims
Coupage de Lignes
Levés Géophysiques
Levés Géologiques
Programmes d'Exploration
Vente d'articles
d'exploration minière

Drafting and Reproduction Services
Claim Staking
Line Cutting
Geophysical Surveys
Geological Surveys
Exploration Programmes
Sales of mining
exploration articles



41P15NE2001 OP93-375 CAIRO

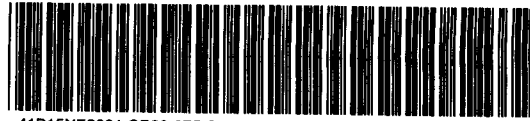
030

GEOPHYSICAL SURVEYS

CHARTRE-DUFRESNE OPAP PROJECT

CAIRO TWP. PROPERTY

December 1993



41P15NE2001 OP93-375 CAIRO

030C

TABLE OF CONTENTS

I - INTRODUCTION	P 1
II - PROPERTY	P 1
III - LOCATION & ACCESSIBILITY	P 1
IV - GEOPHYSICAL SURVEYS	P 2
V - CONCLUSIONS & RECOMMENDATIONS	P 4

MAPS

1-Coloured Magnetic Map	1:5 000
2-Claim Map	1"=1/2 mi.
3-Location Map	1"= 2 mi.
4-Location Map	1:1 600 000

I - INTRODUCTION:

At the request of D. Chartré and R. Dufresne, a 1992 magnetometer survey was extended and a V.L.F. electromagnetic survey was undertaken on the original 1992 grid and also on the 1993 grid extension. The surveys were carried out during the fall of 1993, by Exploration Services Reg'd, on the CHARTRE-DUFRESNE Cairo township property.

The surveys were undertaken in an attempt to outline fault zones as potential prospecting targets.

II - PROPERTY:

The CHARTRE-DUFRESNE property consists of 7 contiguous 16 hectare claims which are numbered as follows:

- 1179885 - 1179886 - 1179887 - 1179888 - 1179889
- 1179890 - 1185634.

III - LOCATION & ACCESSIBILITY.

The claim group is located in the south-west quadrant of Cairo township at an approximate distance of one half mile east of the town of Matachewan, Ontario.

From Matachewan, the claim group may be reached by travelling eastwards along highway 66 for a distance of 1 mile to a river access point - then by crossing the Montréal River by boat.

IV - GEOPHYSICAL SURVEYS:

The geophysical surveys were carried out along a grid which was partially cut in 1992 and extended in 1993. The 900 meter long base line of this grid trends north-south. Cross lines extend westwards to the shore of the Montréal River. The lines occur at every 100 meter intervals. A total of 2.8 line Km were cut in 1992 and an additional 2.7 Km were cut in 1993.

Magnetometer Survey:

- Instrumentation:

An Exploranium G-816 proton magnetometer was used for the survey; readings were taken at every 12.5 meter intervals.

- Data Presentation:

The magnetometer data were plotted on a map at the scale of 1:2 500 and magnetic contour lines were

drawn at every 100 gamma intervals from 0 to 100 gammas, at every 200 gamma intervals from 1000 to 2000 gammas and at every 1000 gamma intervals for values beyond 2000 gammas.

A coloured magnetic map was also drafted at the scale of 1:5 000.

- Interpretation:

Strong magnetic anomalies have been observed throughout the surveyed area - the shape, size and distribution of the anomalies are irregular. Variable concentrations of disseminated magnetite are the probable cause of the random patterns. The magnetite is contained in the diorite and granodiorite intrusives

V. L . F. Electromagnetic Survey:

- Instrumentation:

A Geonic's EM-16 V.L.F. electromagnetic unit was used for the survey. Readings were taken at every 25 meter intervals tuned to station NSS.

- Data Presentation:

The EM data were plotted on a map at the scale of 1:2 500. In-phase and out-of-phase profiles were drafted at the scale of 1 cm = 10%.

- Interpretation:

A V L F electromagnetic conductor has been outlined by the river's edge, trending in a north-south direction, between line 7S and line 9S.

This conductor may indicate the presence of a fault or shear zone - it could also indicate the presence of sharp topographical features.

V - CONCLUSION & RECOMMENDATION:

The magnetometer survey has outlined numerous magnetic anomalies of random distribution - these are probably caused by the variable concentrations of disseminated magnetite within the mafic intrusives of the area.

The V L F electromagnetic survey has defined a north-south trending conductor near the river's edge.

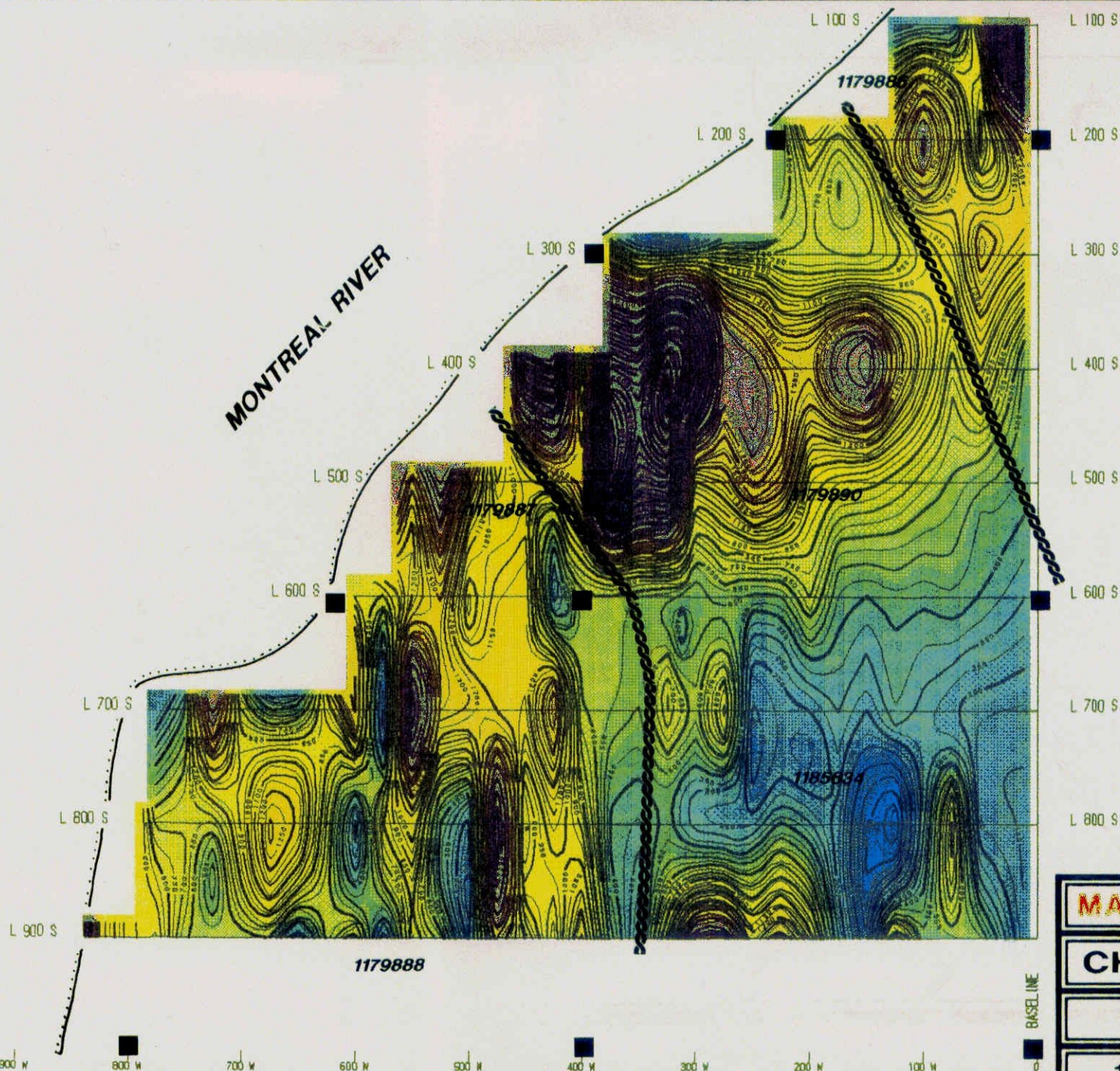
It is recommended that an induced polarization survey be undertaken on the property in an attempt to outline zones of sulfide concentrations.

Respectfully submitted,

E. Chartré, B.A., B.Sc. 

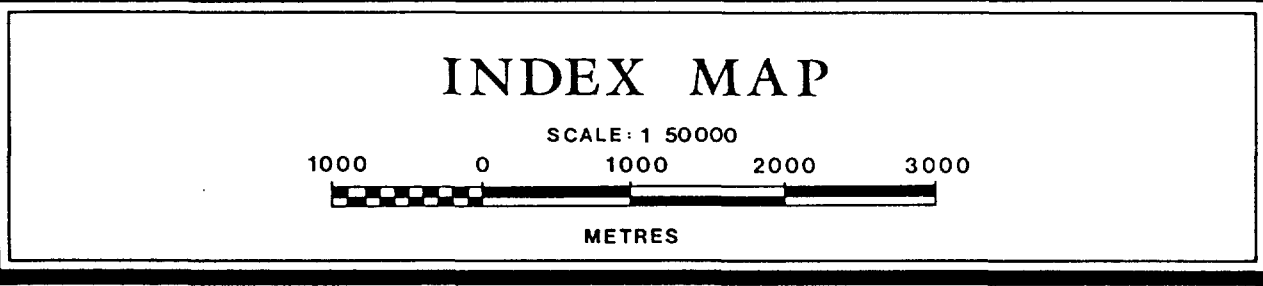
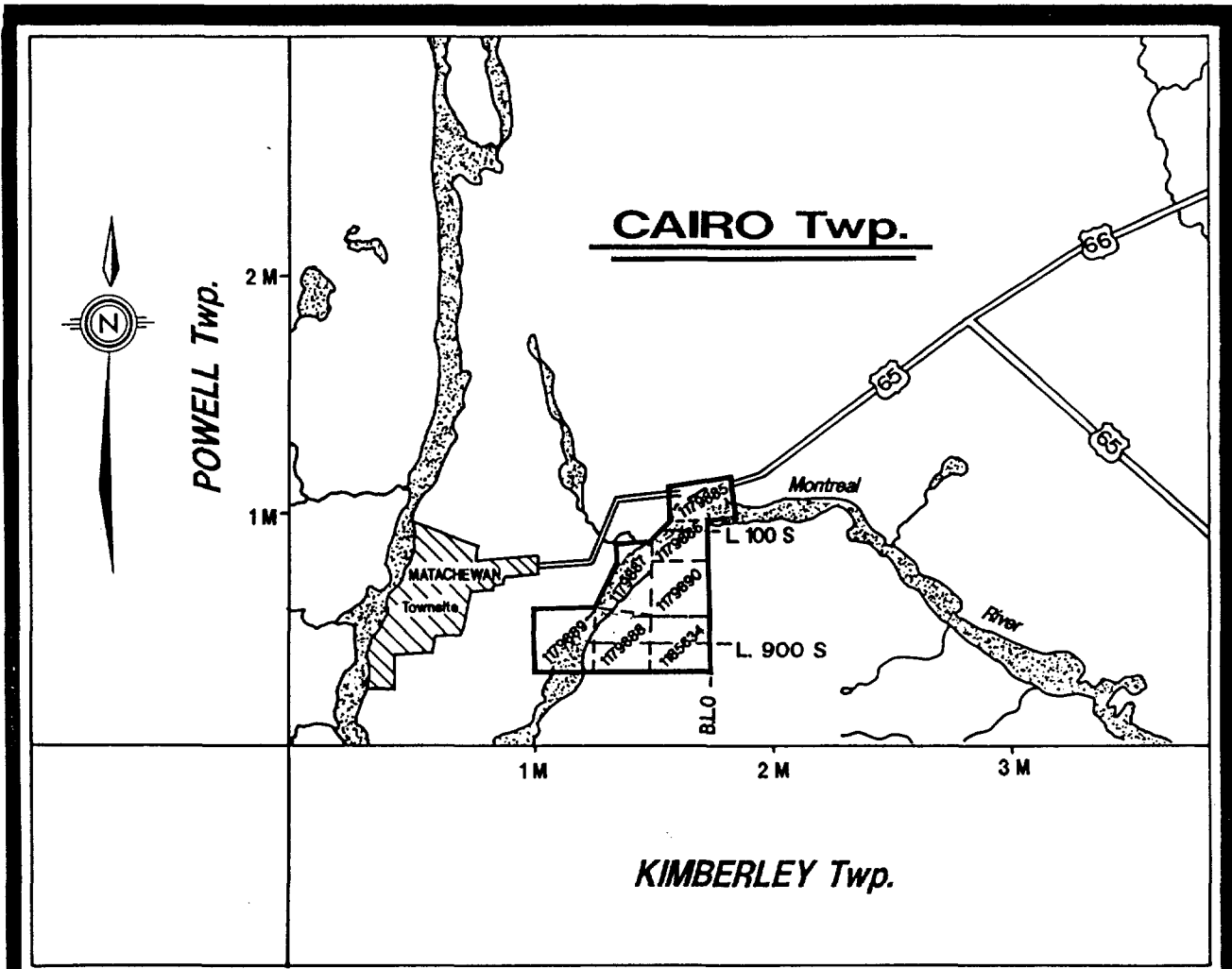
December 30, 1993

MONTREAL RIVER

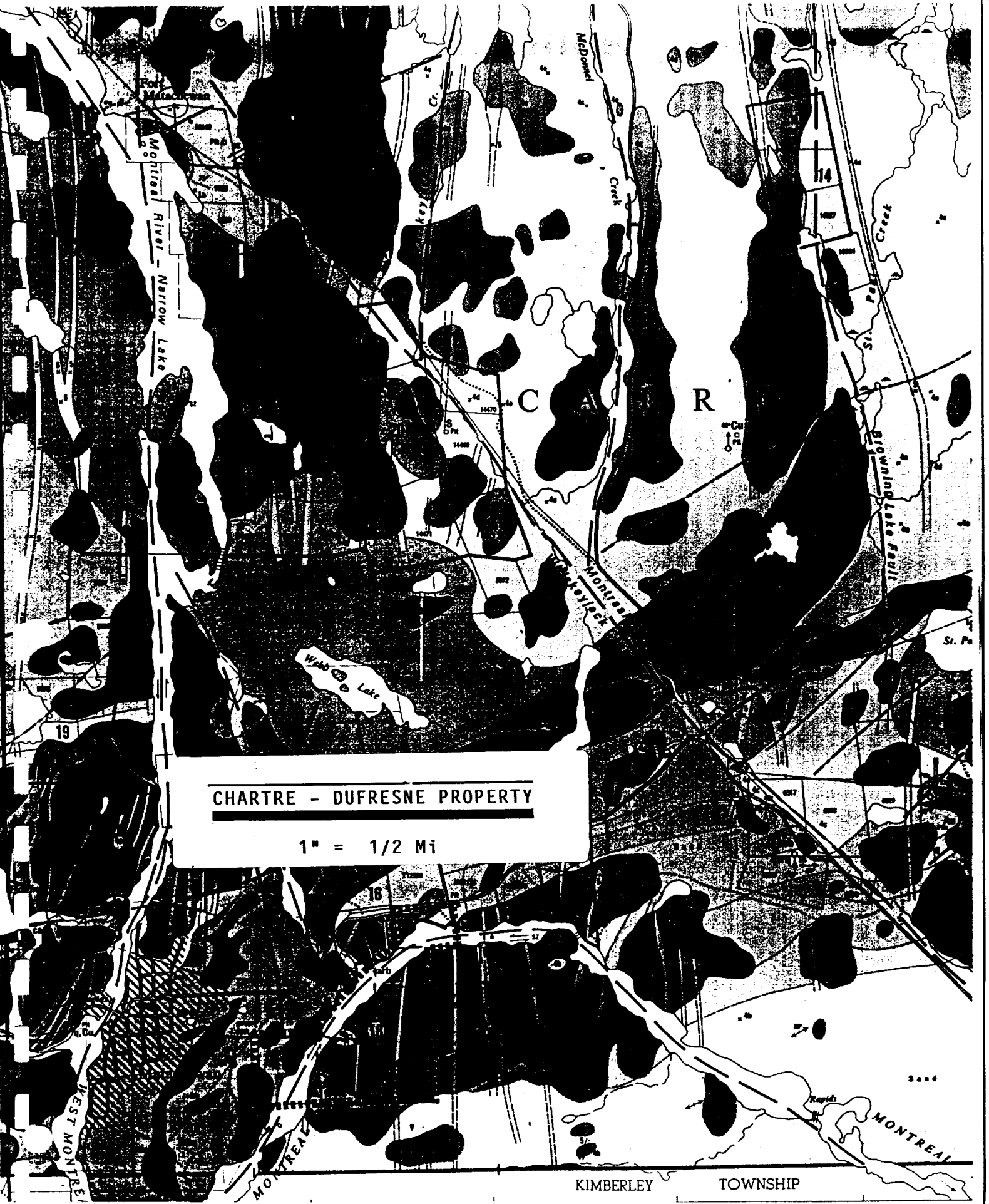


MAGNETOMETER SURVEY
CHARTRE-DUFRESNE
CAIRO TWP.
1 : 5,000 **DEC./93**

898



262

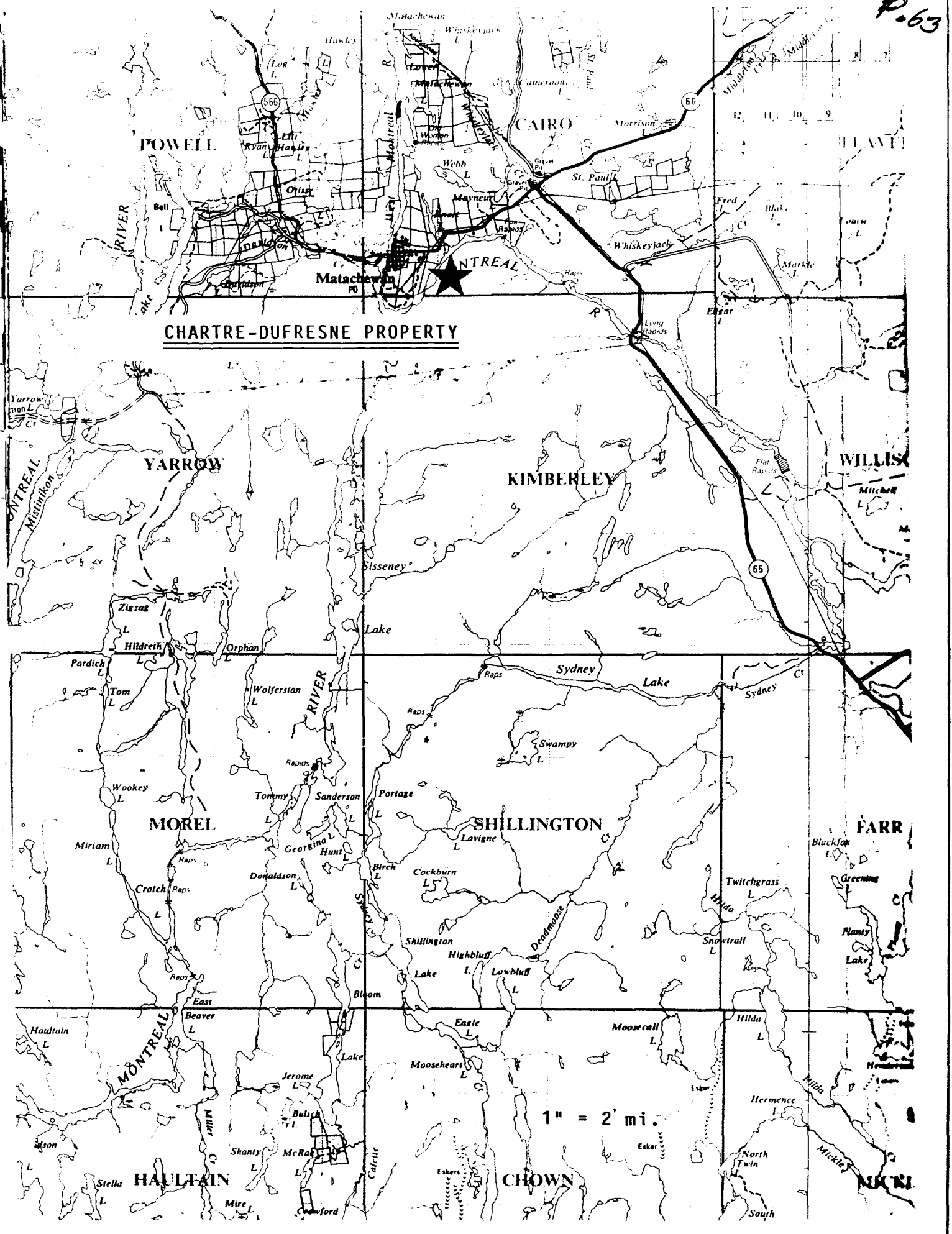


CHARTRE - DUFRESNE PROPERTY

1" = 1/2 Mi

KIMBERLEY

TOWNSHIP

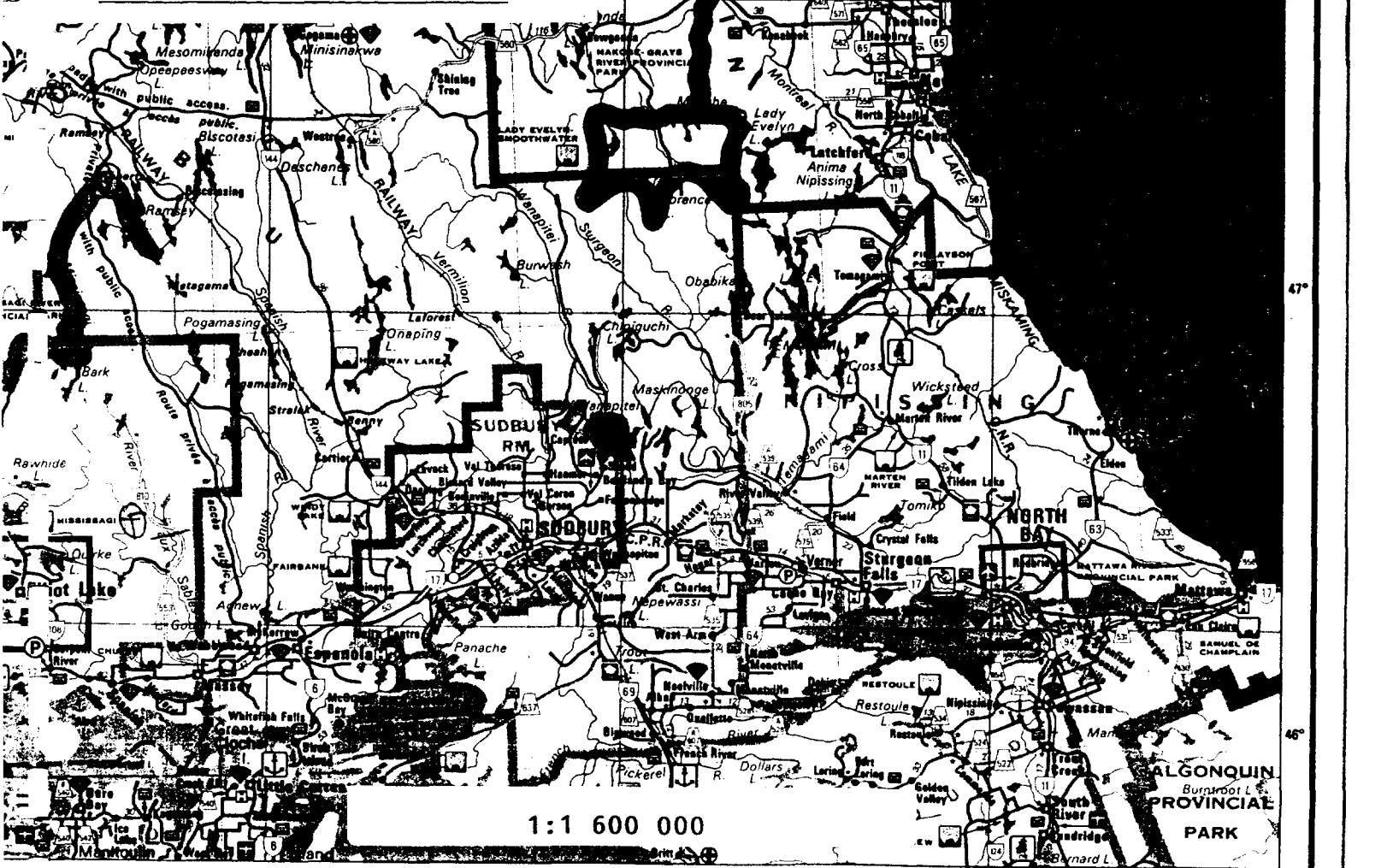


CHARTRE-DUFRESNE PROPERTY

1" = 2' mi.



CHARTRE-DUFRESNE PROPERTY



1:1 600 000



41P15NE2001 OP93-375 CAIRO

900

NTS 42A/02

November 10, 1992

Roger Dufresne
14 Wright - Hargreaves
Kirkland Lake, Ontario
P2N 1B2

Dear Roger:

RE: YOUR HOLMES AND CAIRO PROPERTIES

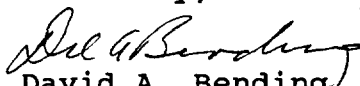
It was a pleasure to meet with you and discuss your property last week. I hope that the analyses and comments are of some value to you. Your property is well located and warrants further exploration work, but Homestake is terminating exploration activity in the area and will not conduct further investigations.

I enclose for your convenience a general compilation map of the area. This map is based on work by Len Cunningham, published maps by Howard Lovell, and reports by Pamourex. It is quite generalized but may help you in your discussions of the property. It is not confidential but has not been distributed to the other parties active in the area.

As part of your continuing exploration strategy, I suggest that you examine the area in syenite along the Wiley Fault and the area of high magnetic response (shaded on the compilation map) in syenite immediately south of the Brookbank gold occurrence. It is possible that these areas will host gold mineralization not tested by your work to date.

Thank you for your interest and cooperation. Best of luck in your continuing exploration activities.

Sincerely,


David A. Bending
Senior Geologist

HOMESTAKE CANADA LTD.

#2116 - 120 Adelaide Street West • Toronto • Ontario M5H 1T1 Canada
(416) 366-4432 • Fax (416) 366-3979

ANNEX "D"

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
(16)	300-36-100	NWR 65/83	NOV. 10, 1983	M.C.
(17)				
(18)				
(19)				
(20)				

- (16) MINE & SURFACE RIGHTS REOPENED TO PROSPECTING, SALE OR LEASE, ORDER O.L. 10/95, PREVIOUSLY WITHDRAWN UNDER ORDER W 65/83.
- (17) Mining and Surface Rights Withdrawn Order No. W-L-17/95 Dated March 30, 1995. Previously withdrawn under Order NWR 65/83.

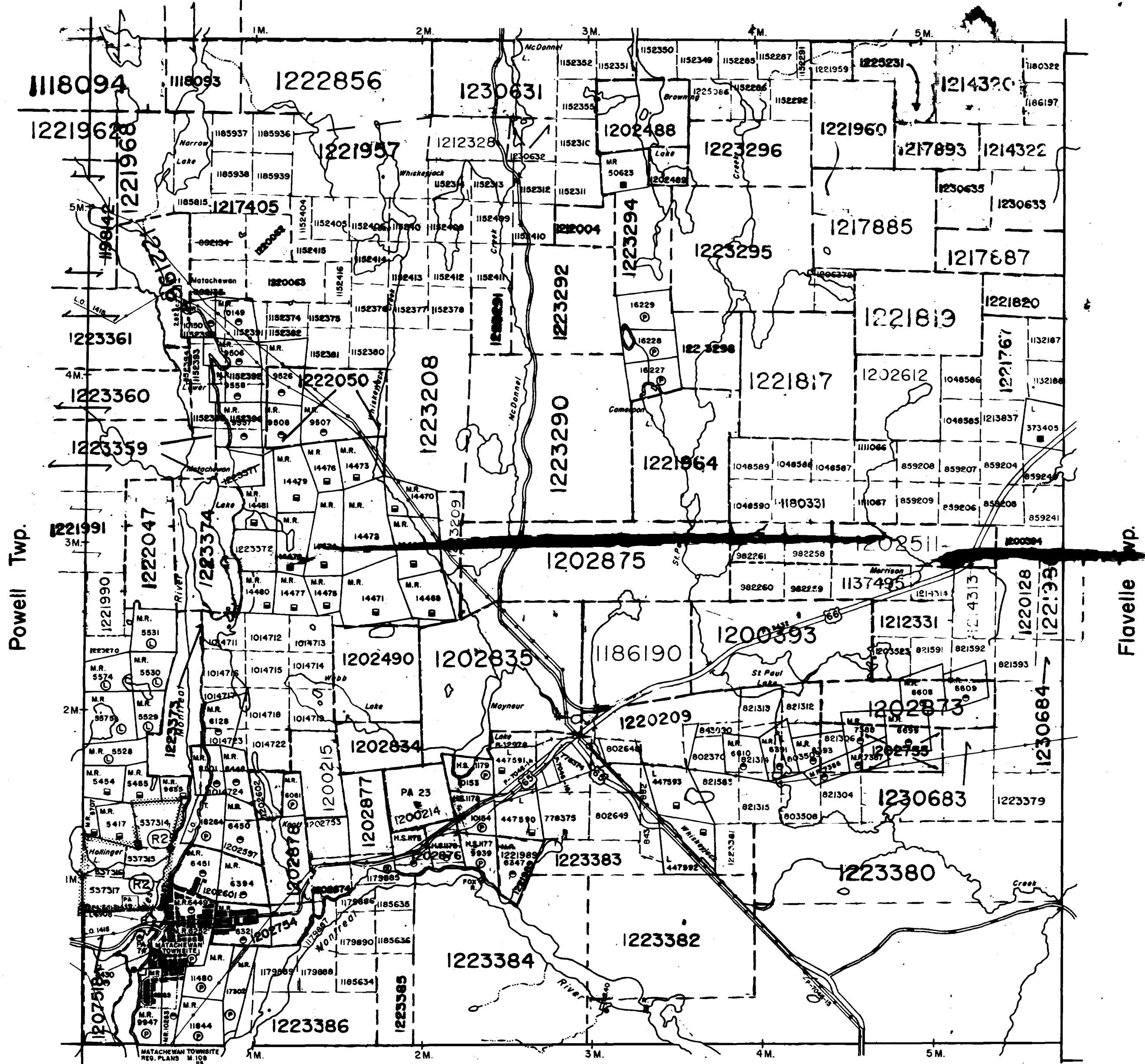
THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

NOTES

LUP - LAND USE PERMIT

NOTICE OF FORESTRY
 THIS TOWNSHIP / AREA FALLS WITHIN THE
 PLOSKI FOREST MANAGEMENT UNIT
 AND MAY BE SUBJECT TO FORESTRY OPERATIONS.
 THE MNR UNIT FORESTER FOR THIS AREA CAN BE
 CONTACTED AT: P.O. BOX 129
 SWASTIKA, ONT.
 POK ITO
 705-642-3222

Alma Twp.



Kimberley Twp.

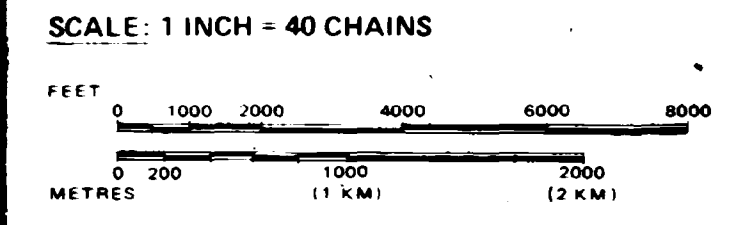
LEGEND

- 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	⊙ or ●
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	⊙
LEASE, SURFACE & MINING RIGHTS	⊙ or ◻
" SURFACE RIGHTS ONLY	○
" MINING RIGHTS ONLY	⊙
LICENCE OF OCCUPATION	L.O. or ▼
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.



DATE OF ISSUE

TOWNSHIP JUN 09 1998
CAIRO PROVINCIAL RECORDING OFFICE - SUDBURY
 M.N.R. ADMINISTRATIVE DISTRICT
 KIRKLAND LAKE
 MINING DIVISION
 LARDER LAKE
 LAND TITLES / REGISTRY DIVISION
 TIMISKAMING

Ontario Ministry of Natural Resources Ministry of Northern Development and Mines

Date JULY 1986 Number **G-3209**

ARCHIVED JAN 2/97



Consolidated N.R.D. Resources Ltd. 565

Majestic-Wiley Construction 1717

Hill, R.A. 1139

Inco Ltd. 3025

Sylva Expl. Ltd. "Brookbank" prop. 2598

Regent Resources Inc. 2353

Texas Gulf 2656

McCarthy Minerals Inc. 1811

DeMarco, S. - Central Group 658

Twin Duff Exploration Inc. 2739

Land L. 1567

Winter, D. 2983

Tex Exploration Co. 278

80 Newman, Roy

Minorex Ltd. 1889

Johnson-Welsh Option

Allen, G.J. 1933

Pamour Porcupine Mines Ltd. 2174

Sarco 153

Exploration of Can Ltd

Instate Resources Ltd

"Atachewan" Area 546

Cliff Porcupine Mines Ltd. 2981

Pyke, D.R. 2312

Sylva Explorations Ltd "Cairo West Group" 2600

Welsh, G.S. (also Elavelle Tp) 2822

Welsh, G.S. (Sheet 1 also) 1821

Newmo

Newmont Exploration of Canada Limited "Welsh-Sheedy Property" 1991

Pamour Porcupine Mines Ltd. "Northeast Group" 2173

Falconbridge Ltd. "Flavelle-Holmes Group" 804

Ecstall Mining Ltd 748

Texas Gulf (See Sheet) 2656

Bernatchez, R.A. & Bernatchez, G. 214

Newmont Exploration of Canada Ltd "East Cairo Property" 1990

Sheedy Robert 2477

Ecstall Mining Ltd. 748

Sylva Exploration "Cairo Group" East 2599

Falconbridge Ltd. "Gridhunter Option" 803



41P15NE2001 OP93-375 CAIRO

840

Canadian Johns Mansville Co. Ltd.
"Steve Lake Group"

Dion Rand Mining Property
395

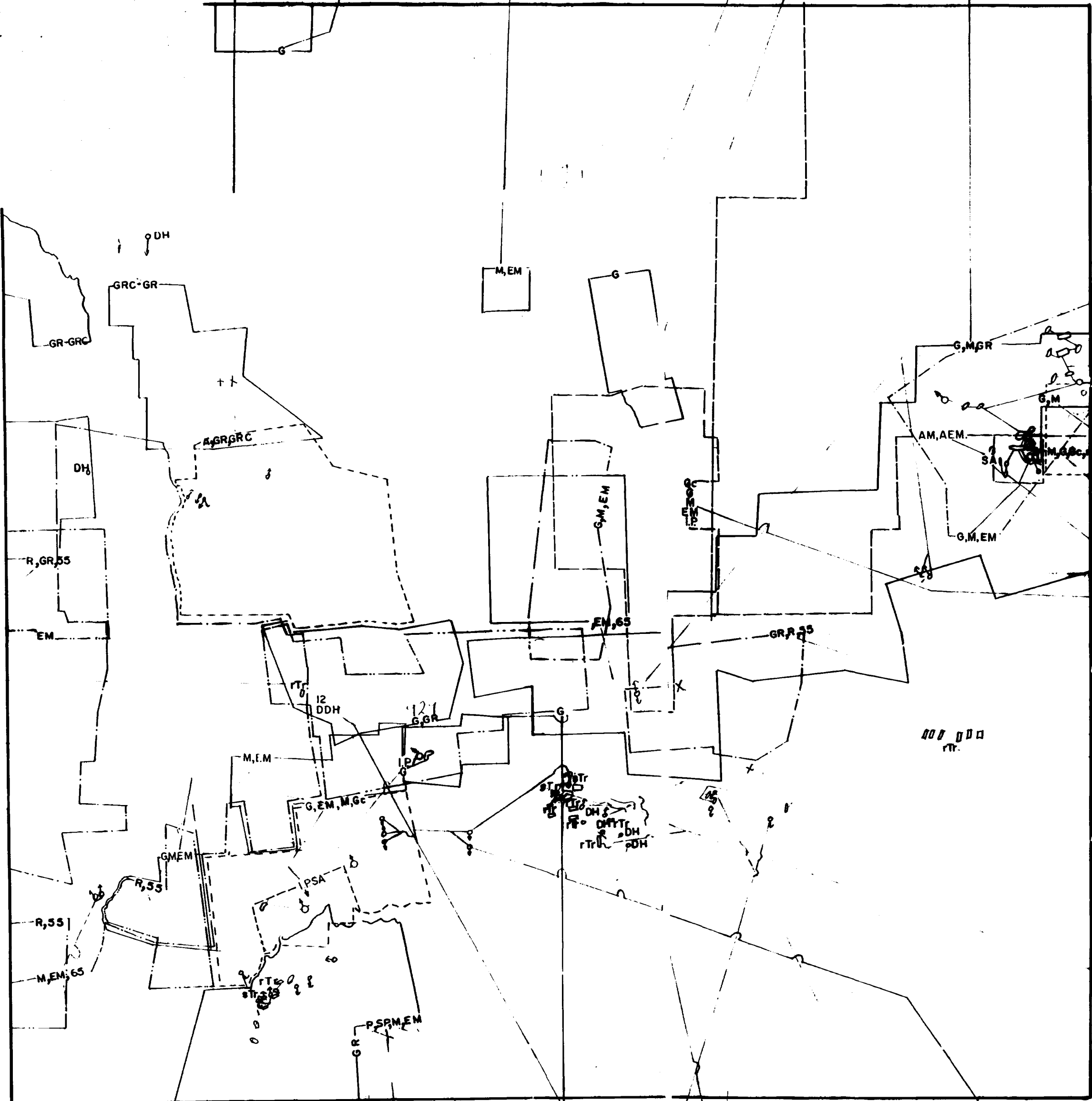
Texas Gulf
Canada Ltd
(See Sheet 2)
2656

E Craig; A. Cameron
599

Ferguson, M. 840

Dominion Gulf 713

Jacaranda G.M.L.
1293



Deq. L.J.
647

Stace
Metals
2511

Garbutt 902
Fred, J.

Biringer
Resources
Ltd.
226

Kimex
Resources
Inc
1418

Geo-Sol
Byberg, A.
310

DeMar
3659

Cairns
Inc. 317

King, A.H.
1424

Rosmar 2416

Midrim M.C.
"Group C" 1865

Midrim M.C.L 1864
Group A

Fournier, R.M.
887

Midrim M.C.L 1866
"Group B"

Geo-Scientific
932

Sunlight G.
2583

North Expo
2124

Rochester & Pittsburg Coal
2402

Welsh, B.M.
2820

King
Henry
1424

AM
932

OLM Map P.273 (Geol), 2110, 27a, 44a
 XXIV, pt.1, p.61, 180; XXVII, pt.1,
 p.45, 47, 12, 235, 220, 69, 215, 231, 232;
 XXVIII, pt.1, p.48; XXIX, pt.3,
 p.56; XXXI, pt.7, p.12, 15; XXXIII,
 pt.7, p.86; XLIV, pt.2, p.7, 1, 2, 43,
 44, 8-10, 17-27, 6, 13-15, 28;

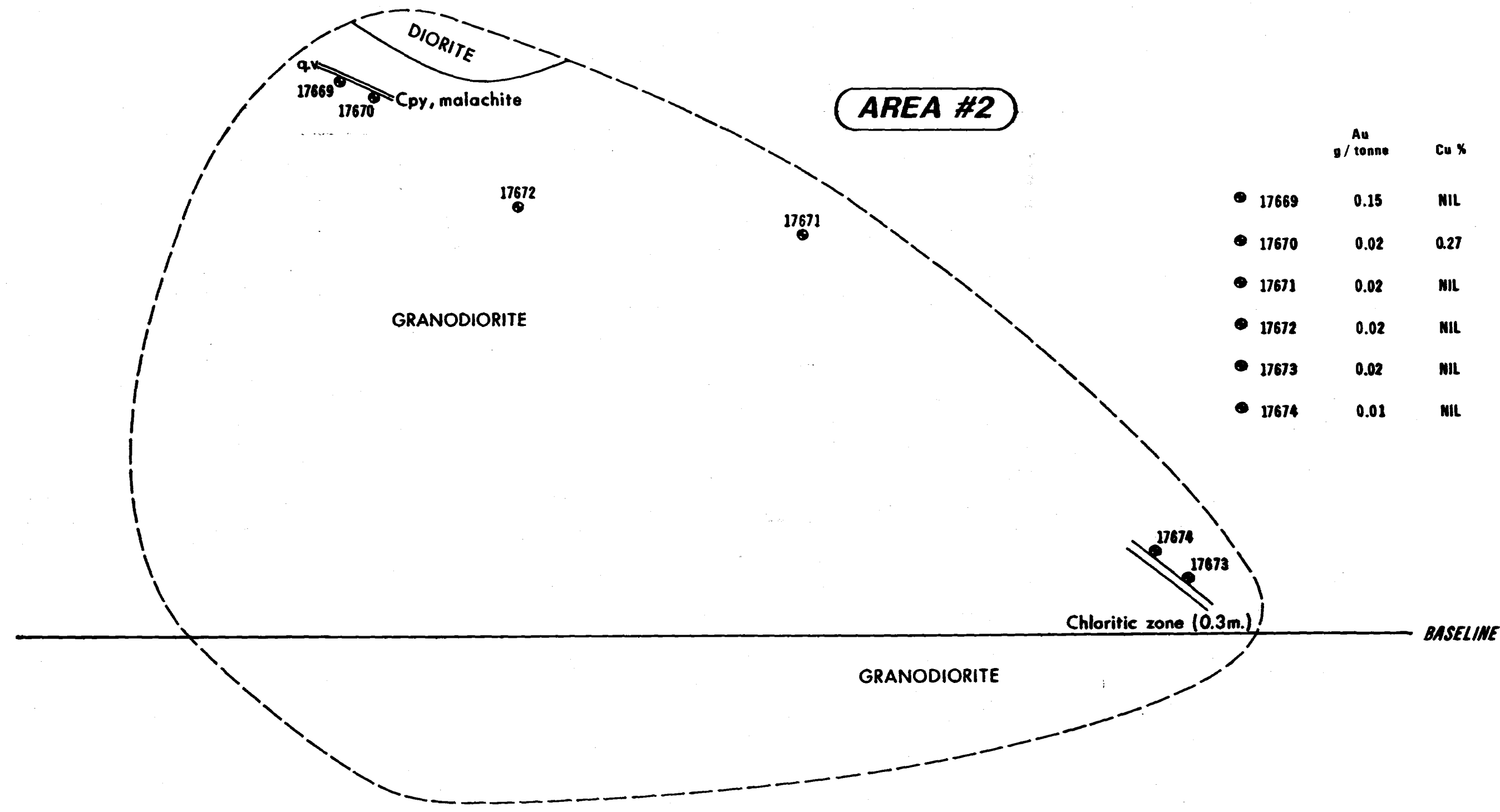
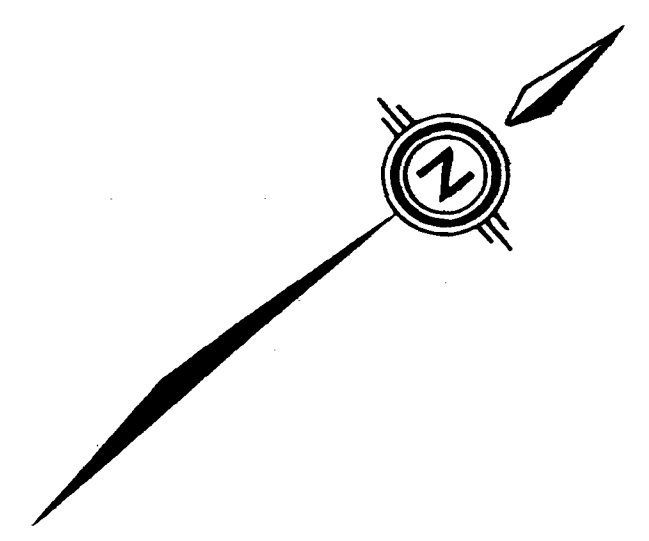
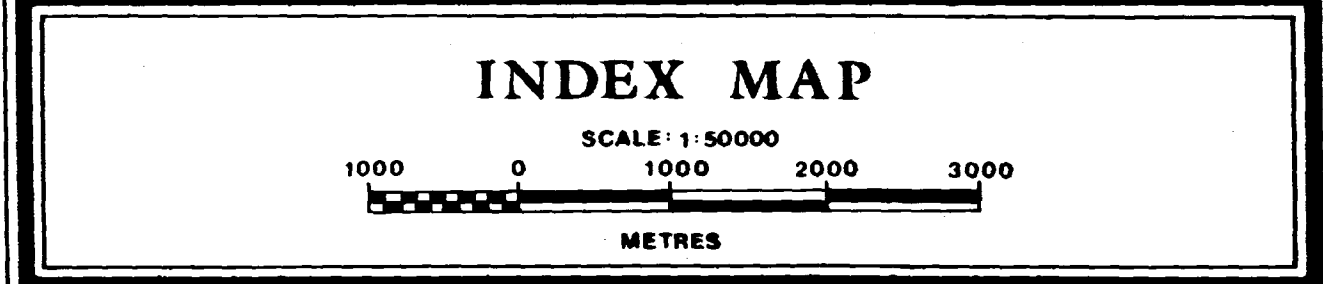
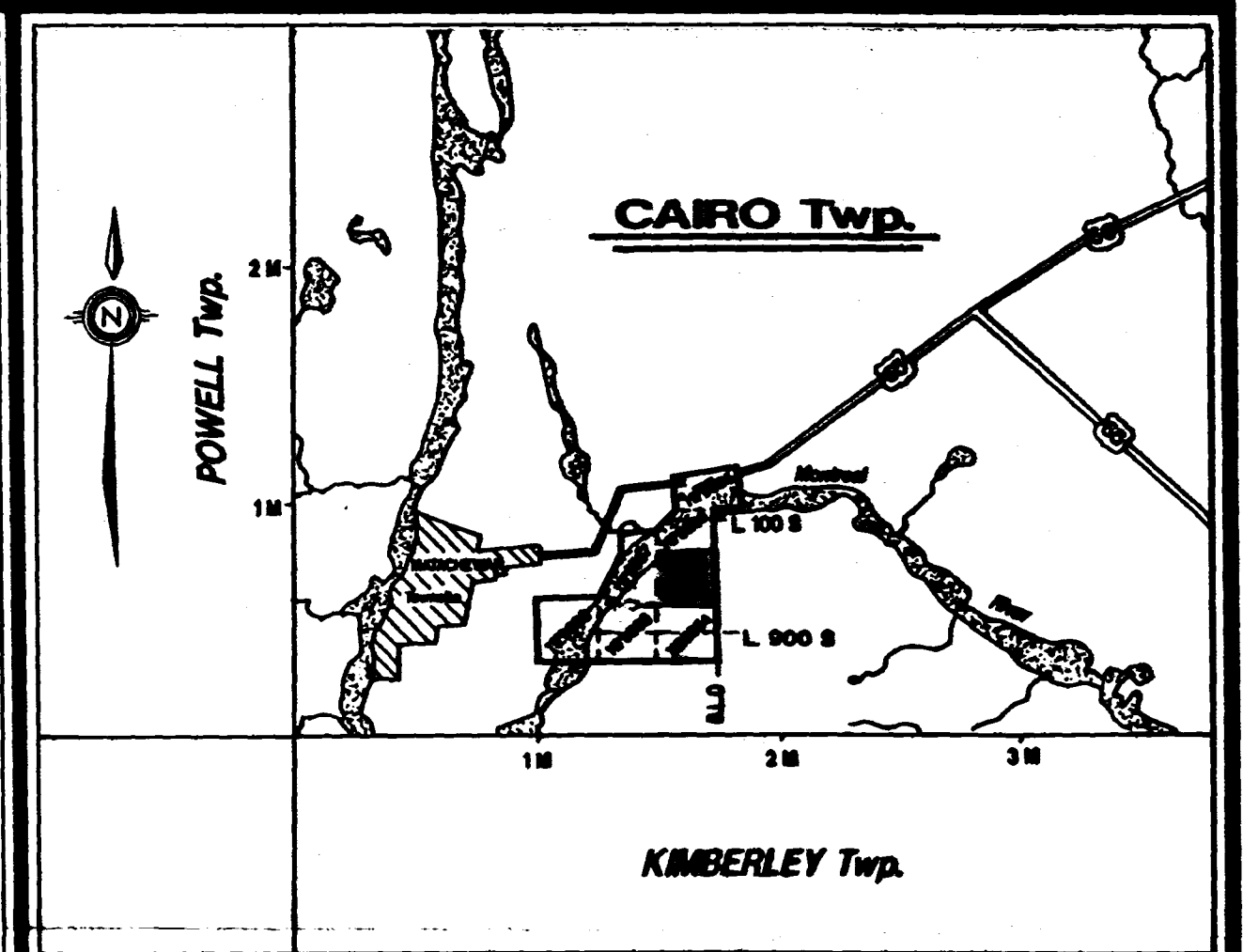
ODM GR 51
 ODMNA. Map P.732 & P.733 (Geoch)

CAIRO

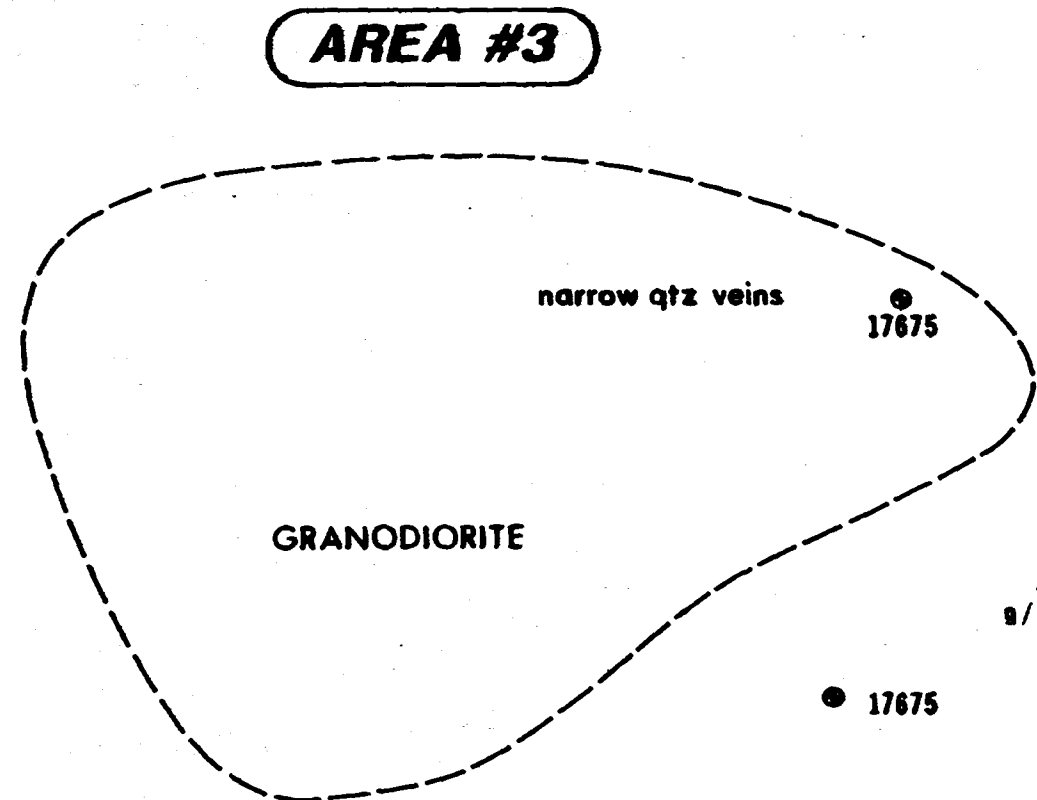
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41P15NE2001 OP93-375 CAIRO



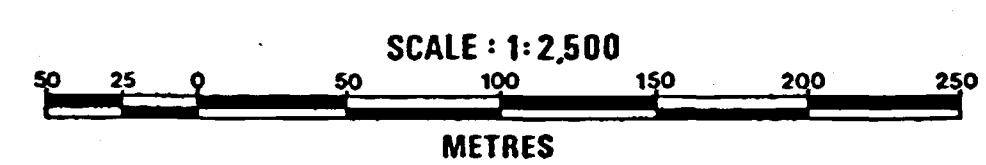
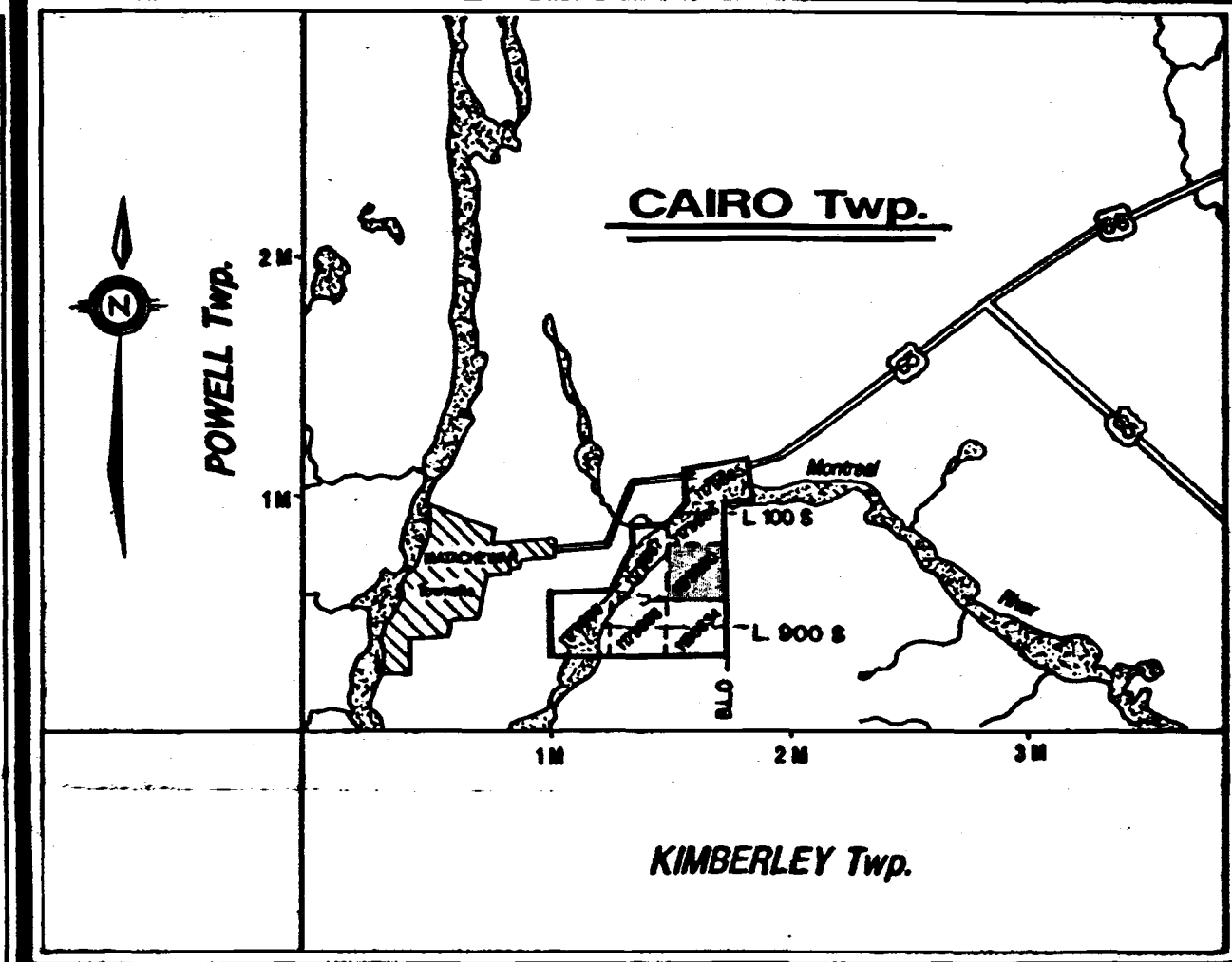
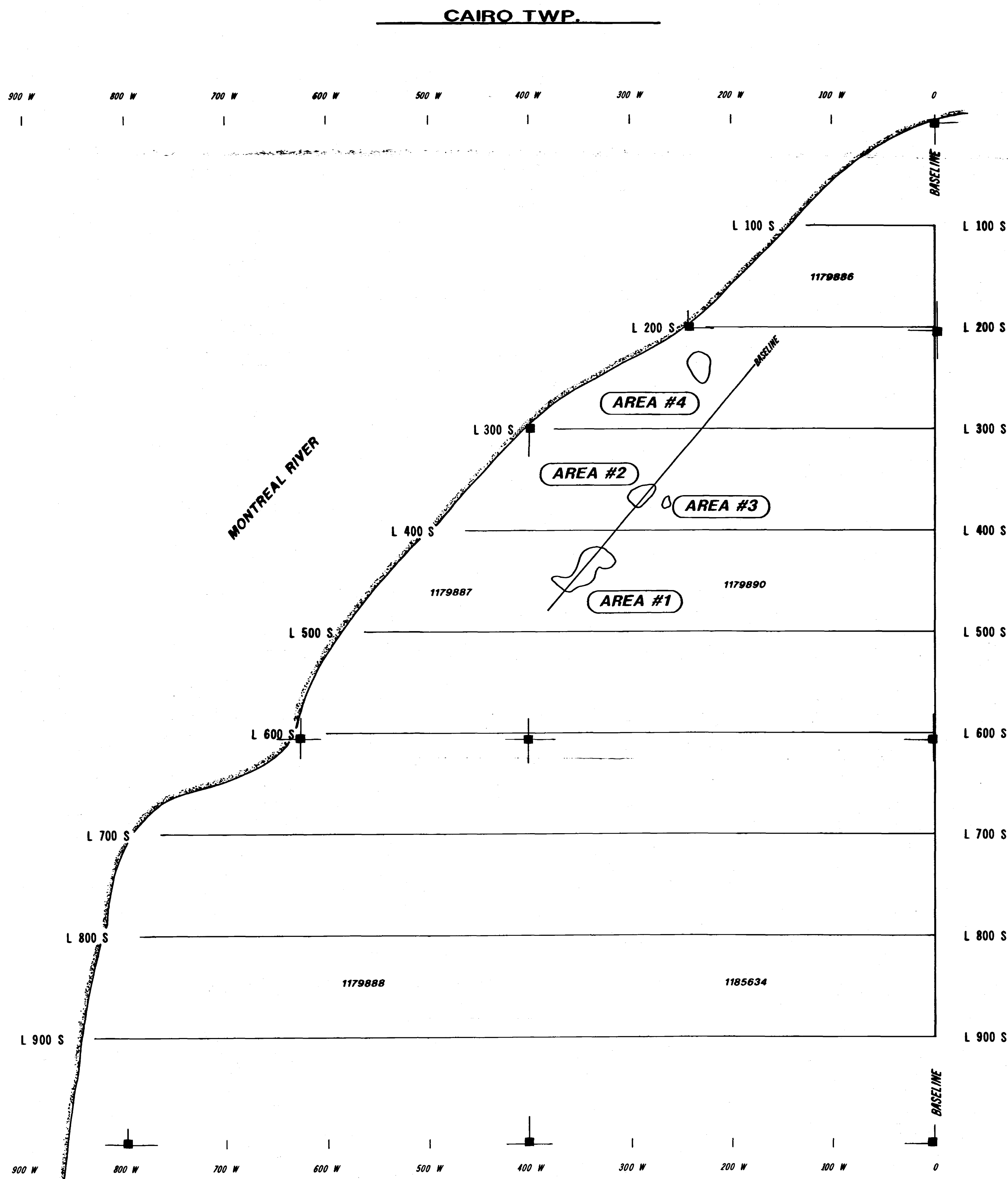
	Au g/tonne	Cu %
● 17669	0.15	NIL
● 17670	0.02	0.27
● 17671	0.02	NIL
● 17672	0.02	NIL
● 17673	0.02	NIL
● 17674	0.01	NIL



	Au g/tonne	Cu %
● 17675	NIL	NIL

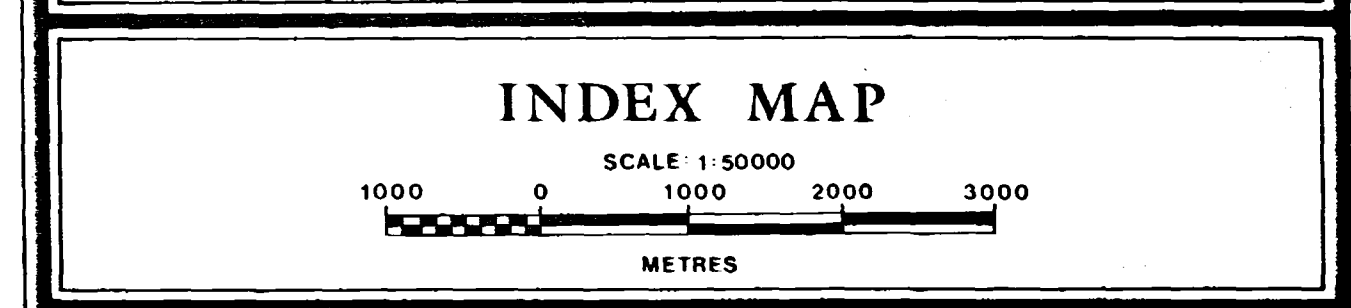
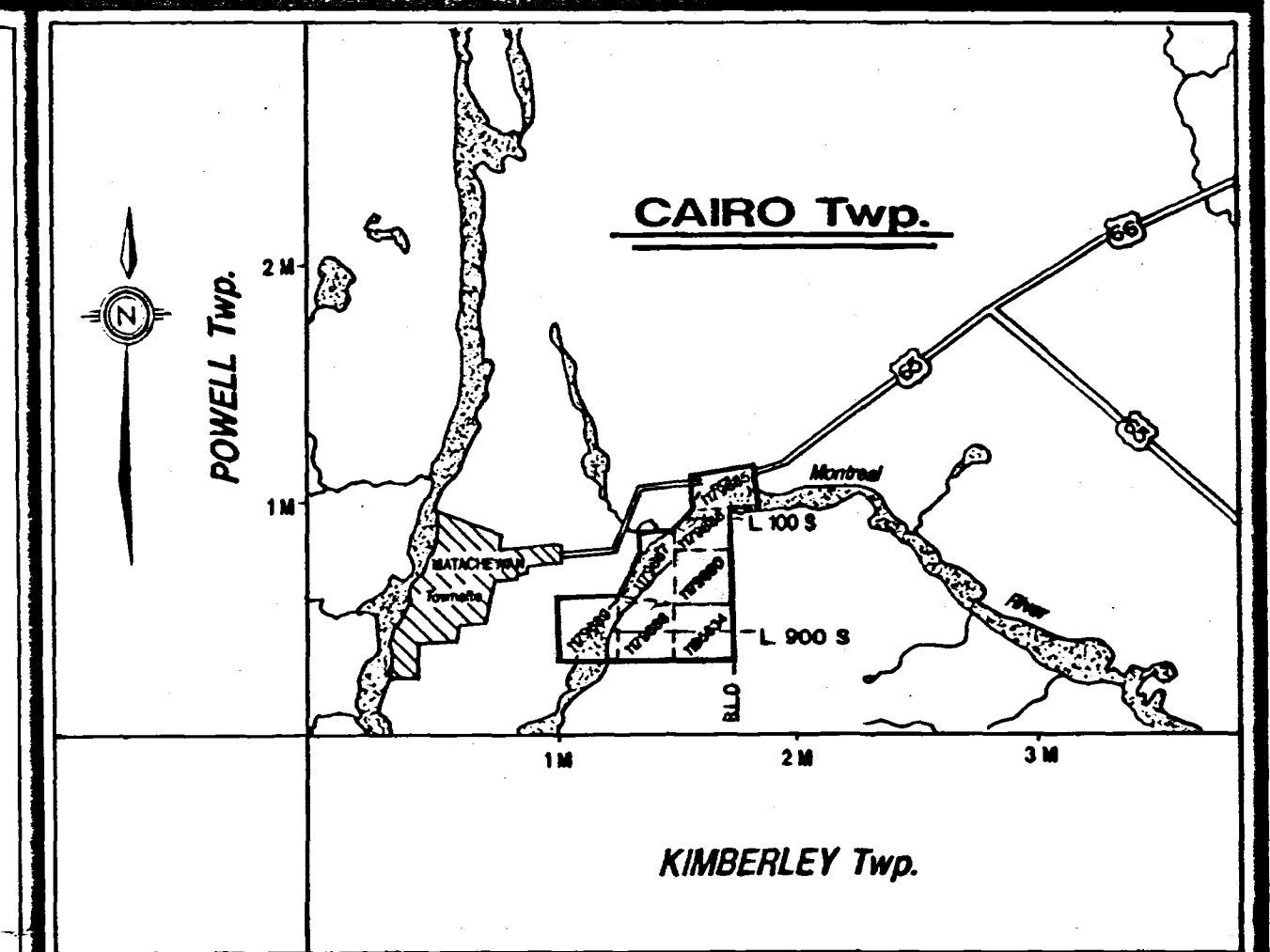
AREAS OF TRENCHING & STRIPPING.	
FOR	
CHARTRE-DUFRESNE PROPERTY	
PROJECT: CAIRO TWP.	
Instrument:	SURVEYED BY <u>EXPLORATION SERVICES</u> DATE <u>OCTOBER / 1993</u>
	DRAWN BY <u>S. Smith</u> SCALE: <u>1:100</u>
TWP <u>CAIRO</u>	SERVICES EXPLORATION SERVICES ENRG REG D



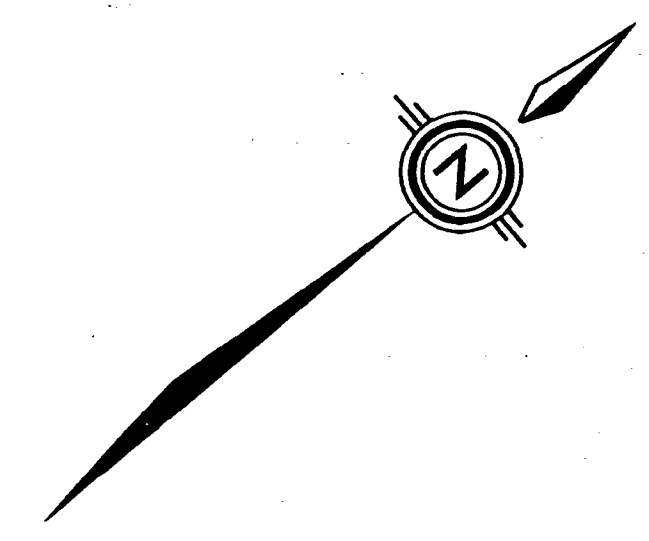
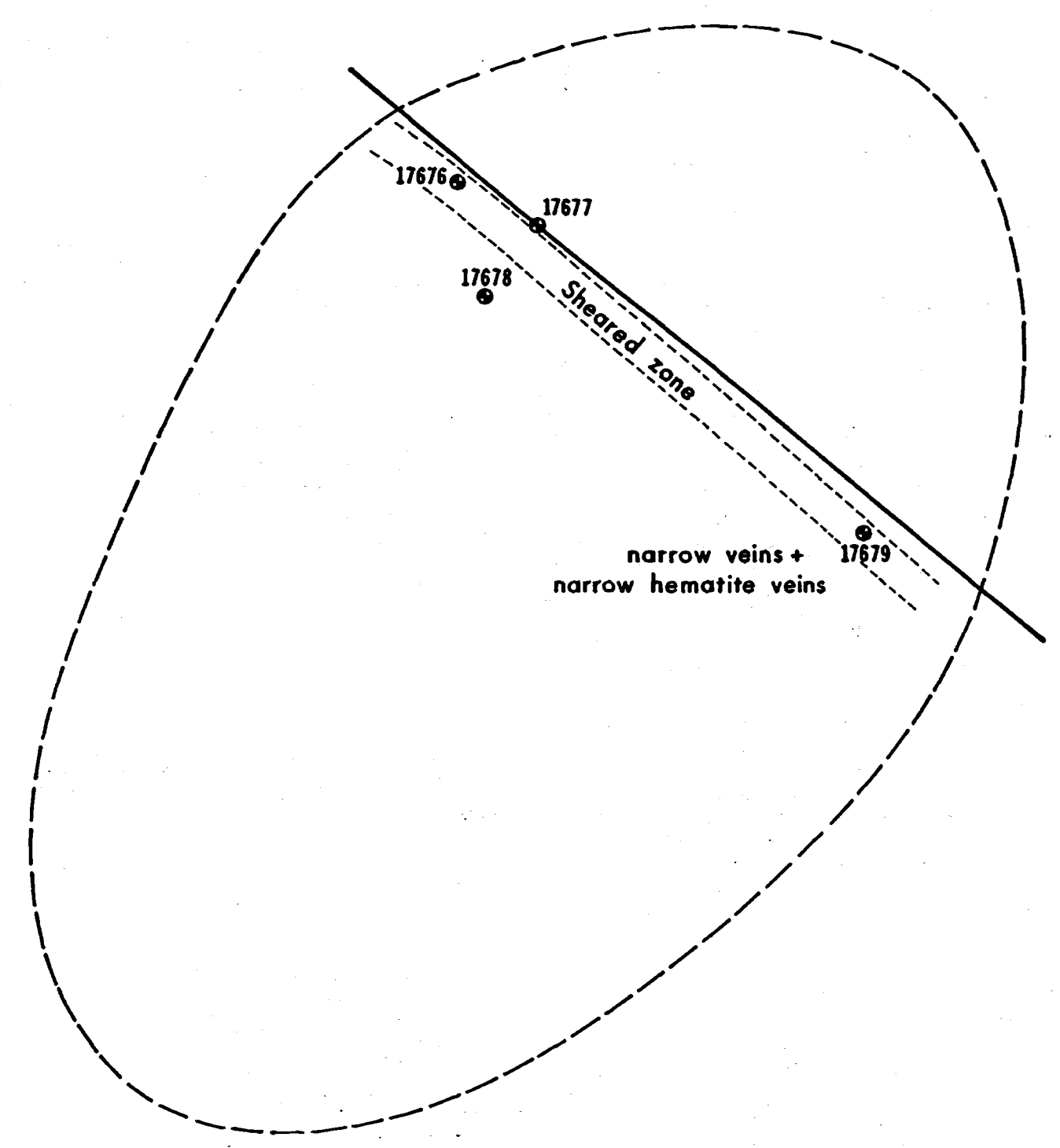


AREAS OF TRENCHING & STRIPPING	
FOR	
CHARTRE-DUFRESNE	
PROPERTY	
PROJECT: CAIRO TWP.	
Instrument:	SURVEYED BY: EXPLORATION SERVICES DATE: OCTOBER / 1993
TWP: CAIRO	DRAWN BY: S. Biguin SCALE: 1:2,500
	SERVICES EXPLORATION SERVICES ENRG REG.D





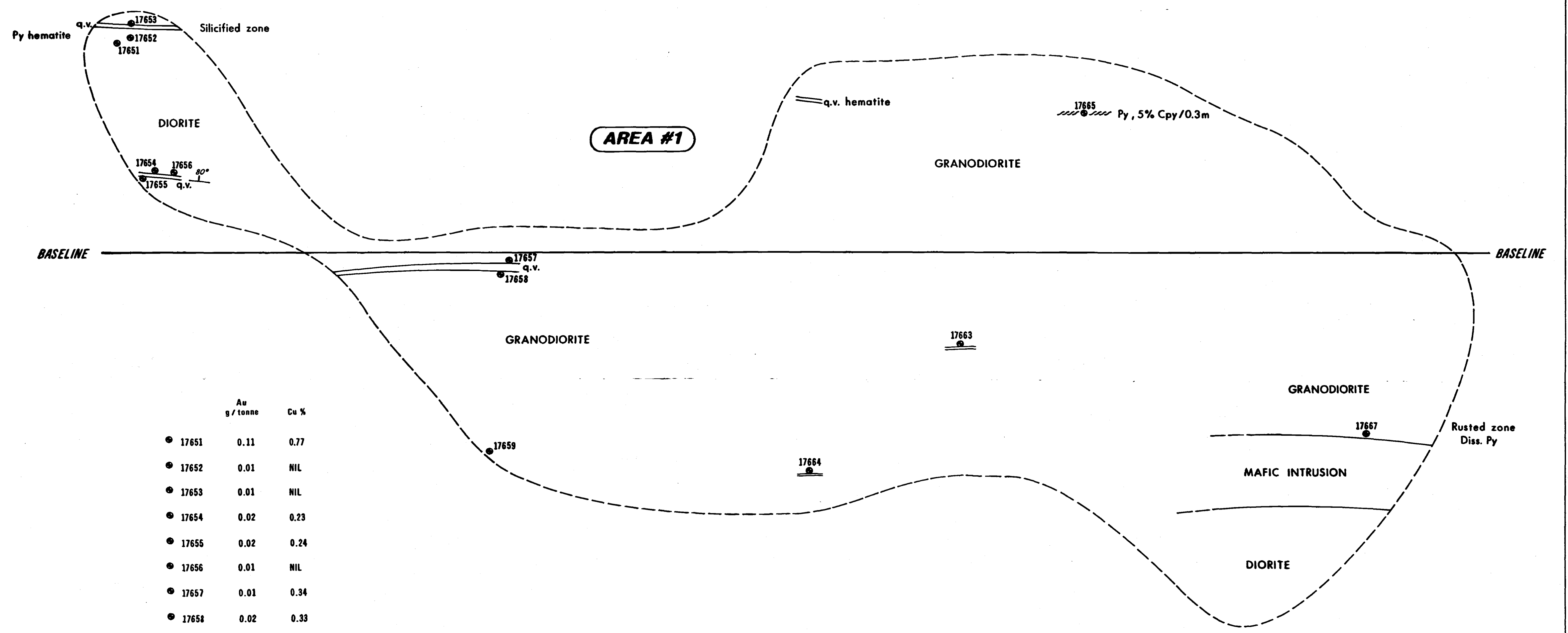
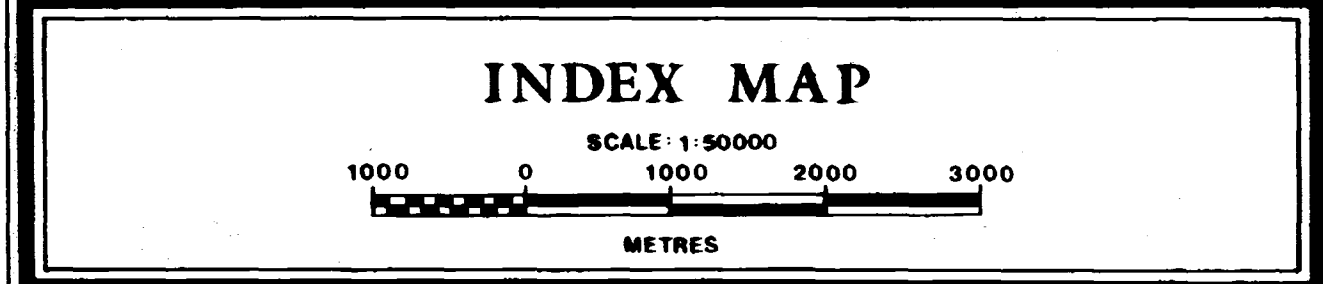
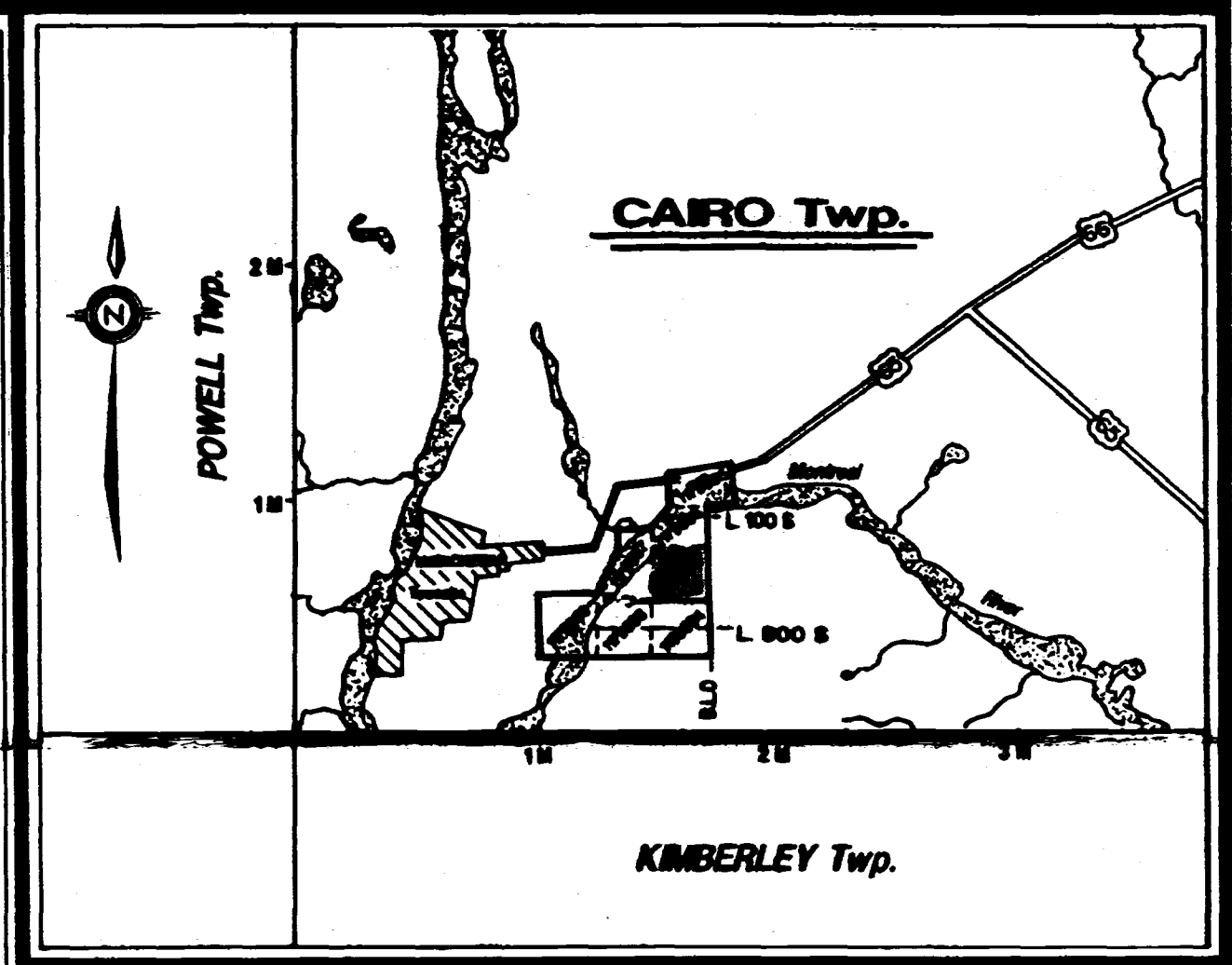
AREA #4



	Au g / tonne	Cu %
● 17676	NIL	NIL
● 17677	0.02	NIL
● 17678	NIL	NIL
● 17679	0.02	NIL

AREAS OF TRENCHING & STRIPPING FOR CHARTRE-DUFRESNE PROPERTY	
PROJECT: CAIRO TWP.	
Instrument:	SURVEYED BY: <u>EXPLORATION SERVICES</u> DATE: <u>OCTOBER / 1993</u>
TWP: <u>CAIRO</u>	DRAWN BY: <u>S. Sigouin</u> SCALE: <u>1:100</u>
SERVICES EXPLORATION SERVICES	





	Au g / tonne	Cu %
● 17651	0.11	0.77
● 17652	0.01	NIL
● 17653	0.01	NIL
● 17654	0.02	0.23
● 17655	0.02	0.24
● 17656	0.01	NIL
● 17657	0.01	0.34
● 17658	0.02	0.33
● 17659	0.04	NIL
● 17663	0.02	0.12
● 17664	0.02	NIL
● 17665	0.03	0.91
● 17667	0.01	0.38

AREAS OF TRENCHING & STRIPPING
FOR
CHARTRE-DUFRESNE
PROPERTY

PROJECT: **CAIRO TWP.**

SURVEYED BY EXPLORATION SERVICES DATE OCTOBER / 1993

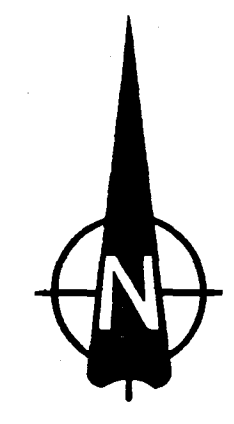
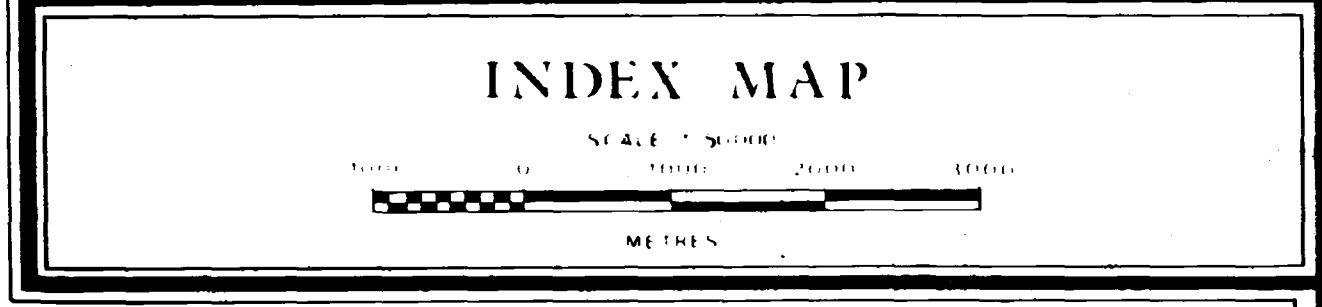
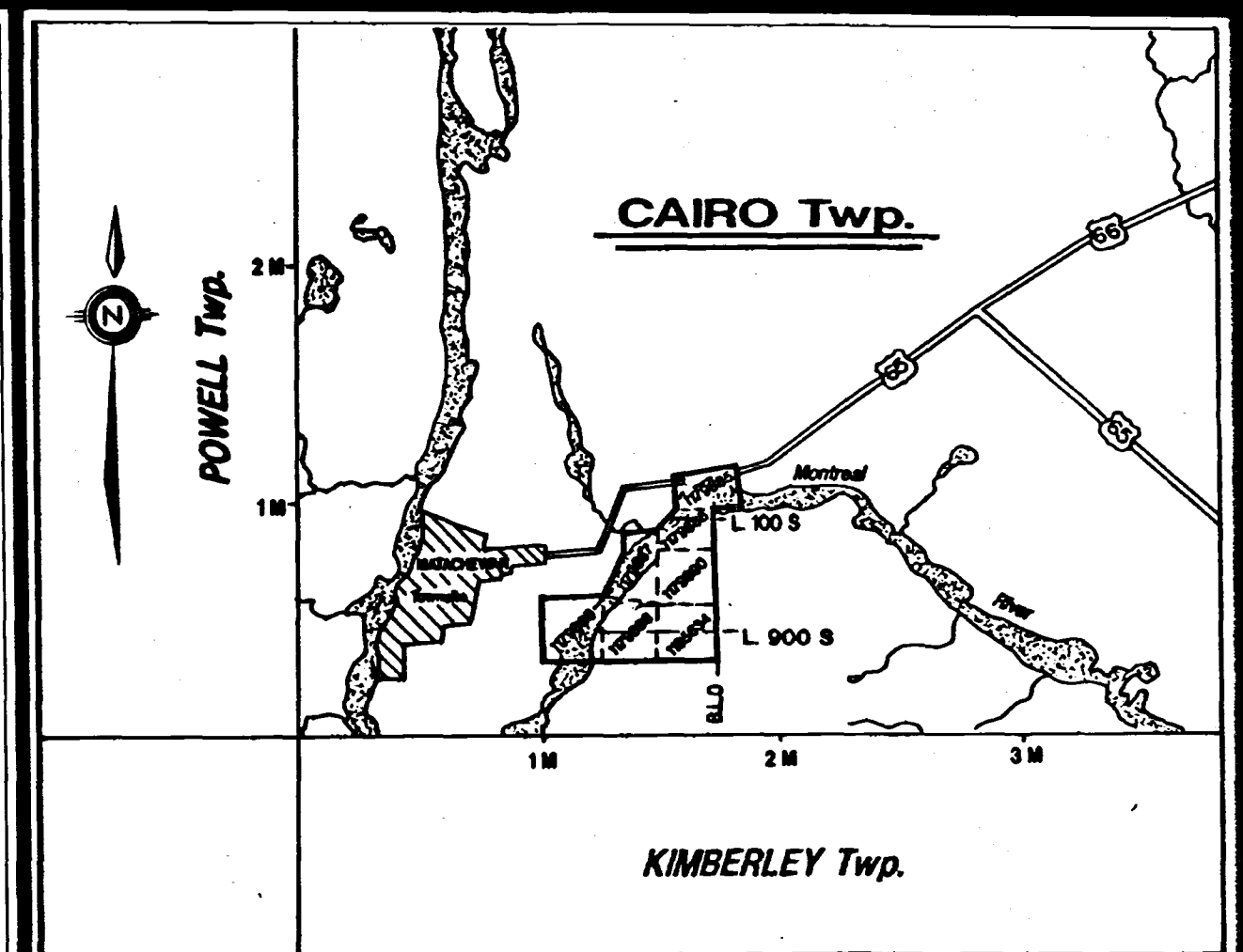
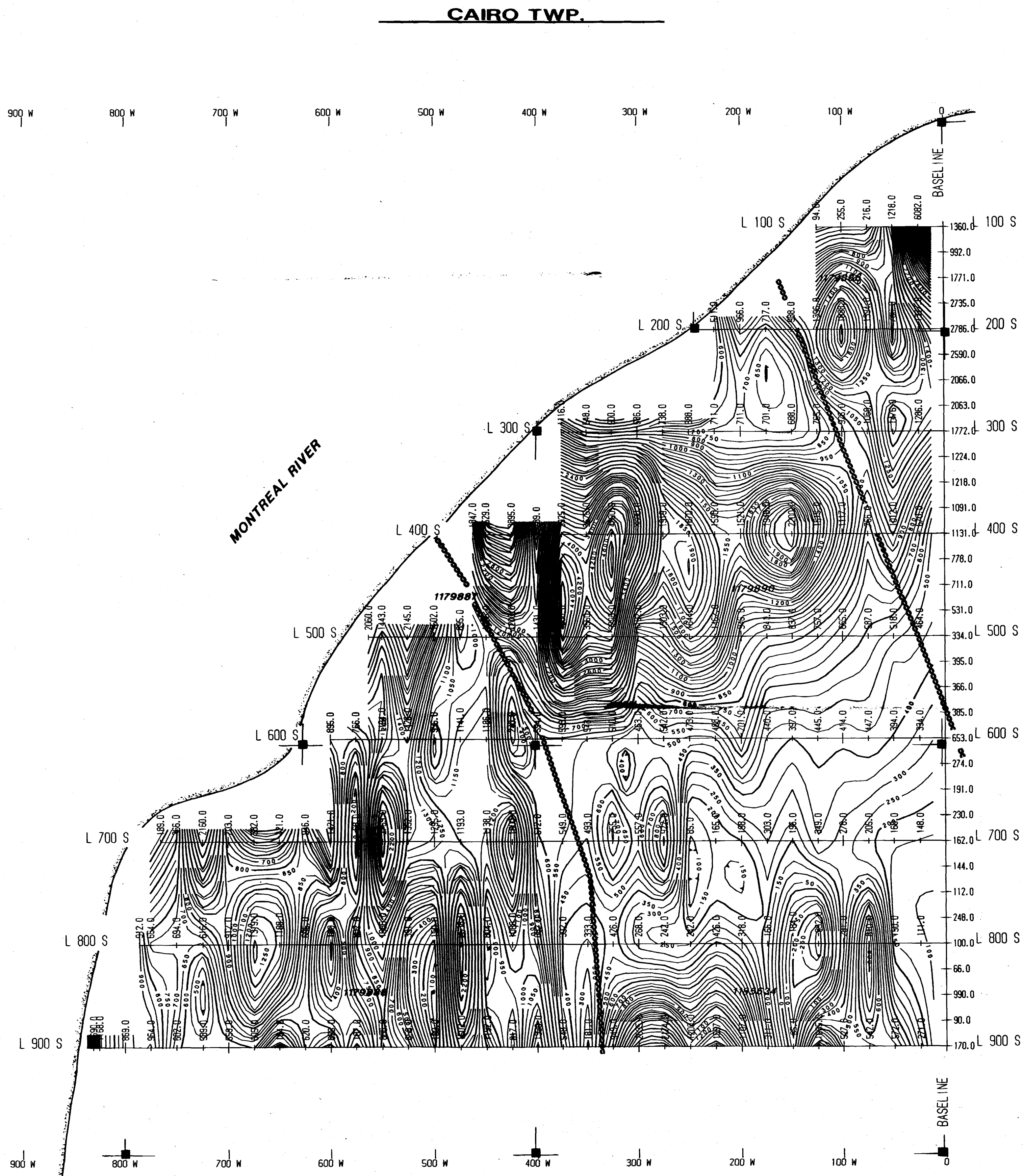
DRAWN BY S. Sigouin SCALE 1:100

SERVICES EXPLORATION SERVICES ENRG REG D

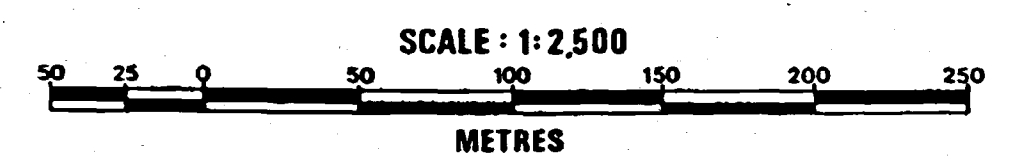
Instrument:

TWP: CAIRO





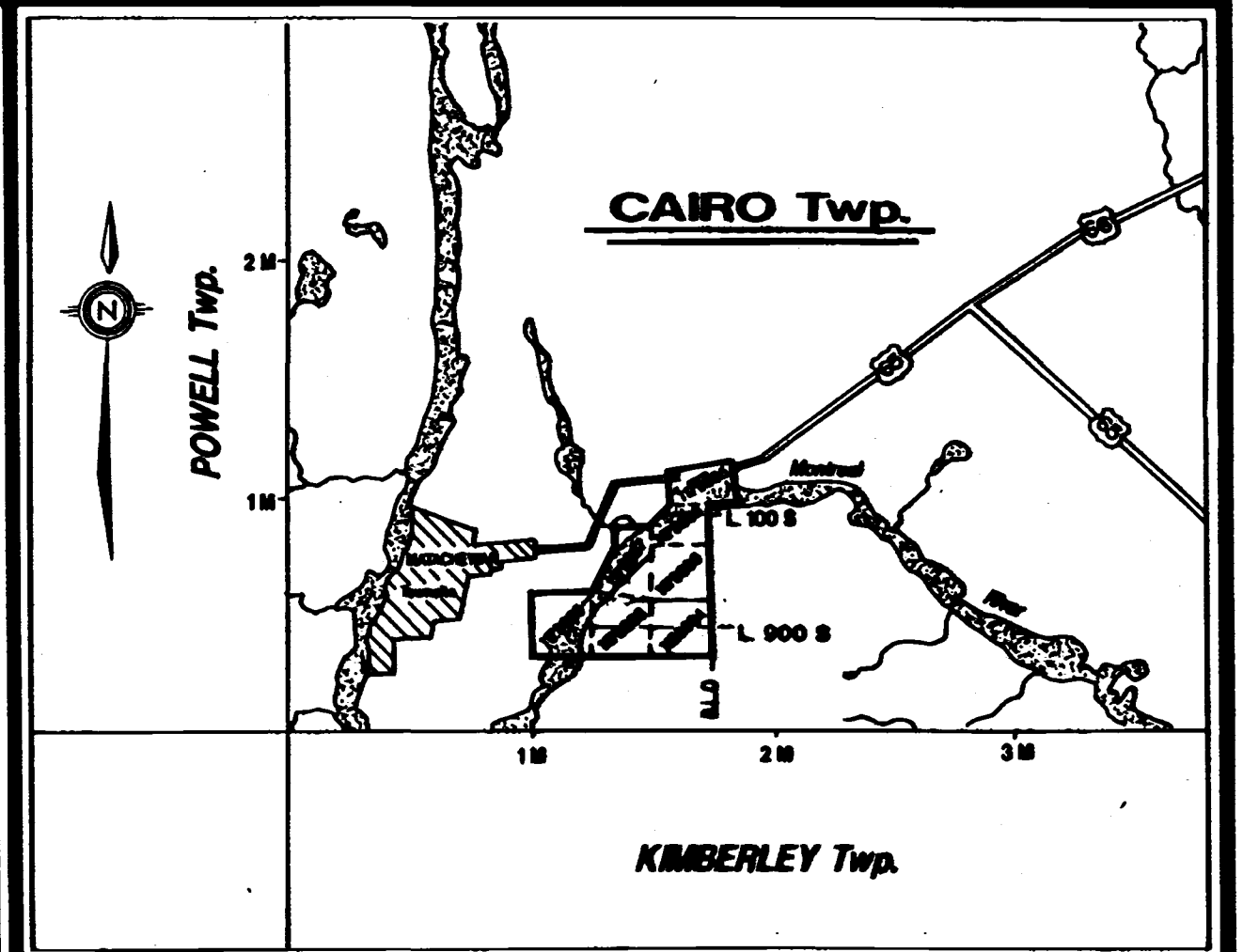
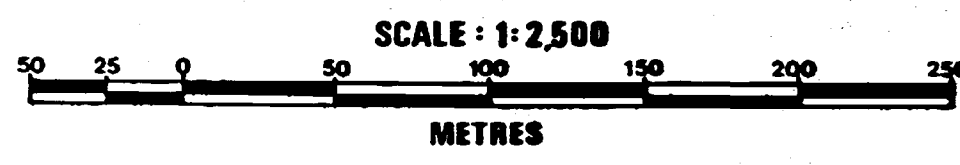
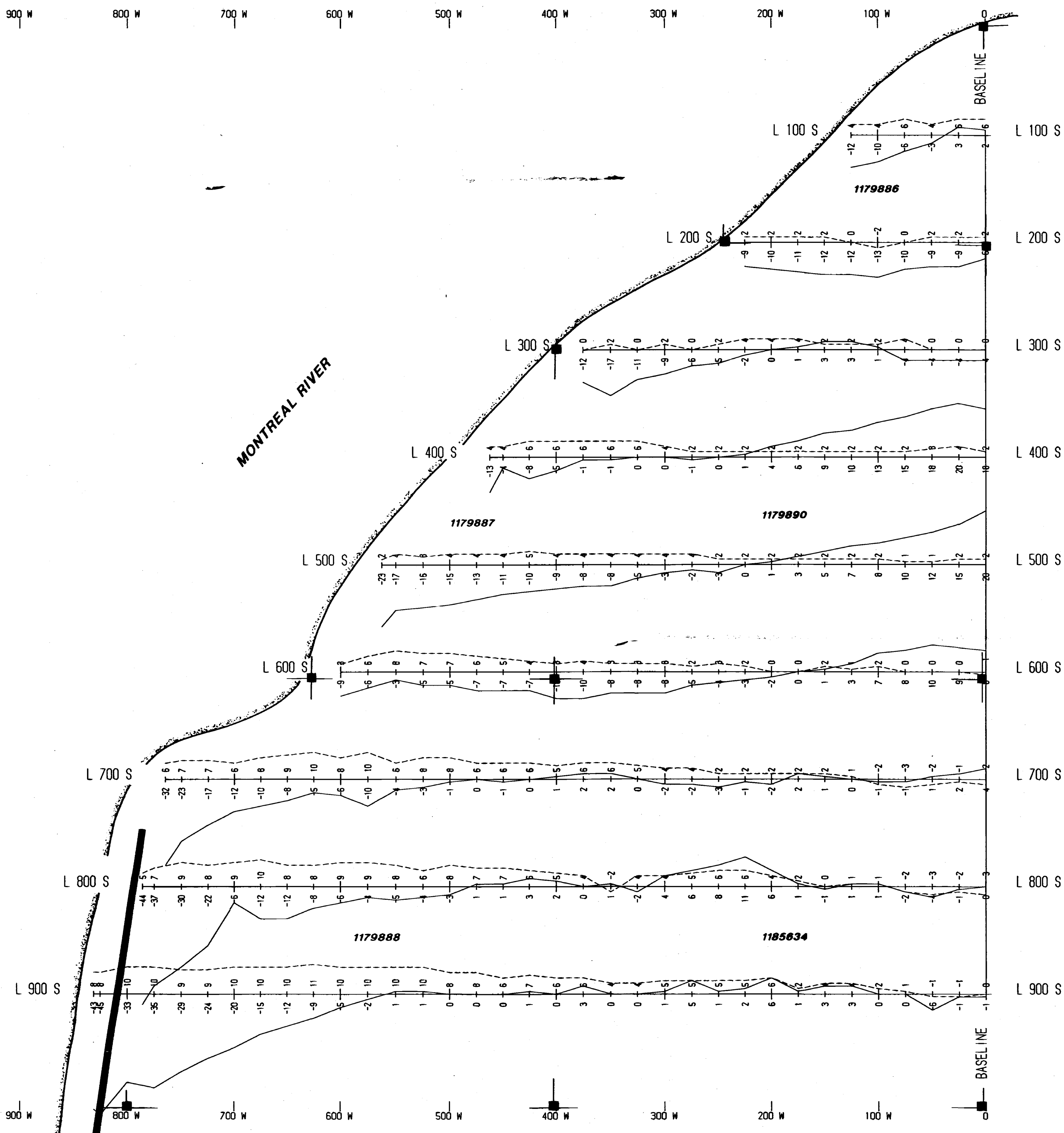
ALL READINGS IN RANGE OF 58,000 GAMMAS



MAGNETOMETER SURVEY	
FOR	
CHARTRE-DUFRESNE PROPERTY	
PROJECT CAIRO TWP.	
Instrument PROTON G-916	SURVEYED BY EXPLORATION SERVICES DATE DEC/93
TWP CAIRO	DRAWN BY S. Sigurd SCALE 1:2,500
SERVICES EXPLORATION SERVICES ENRG REGD.	



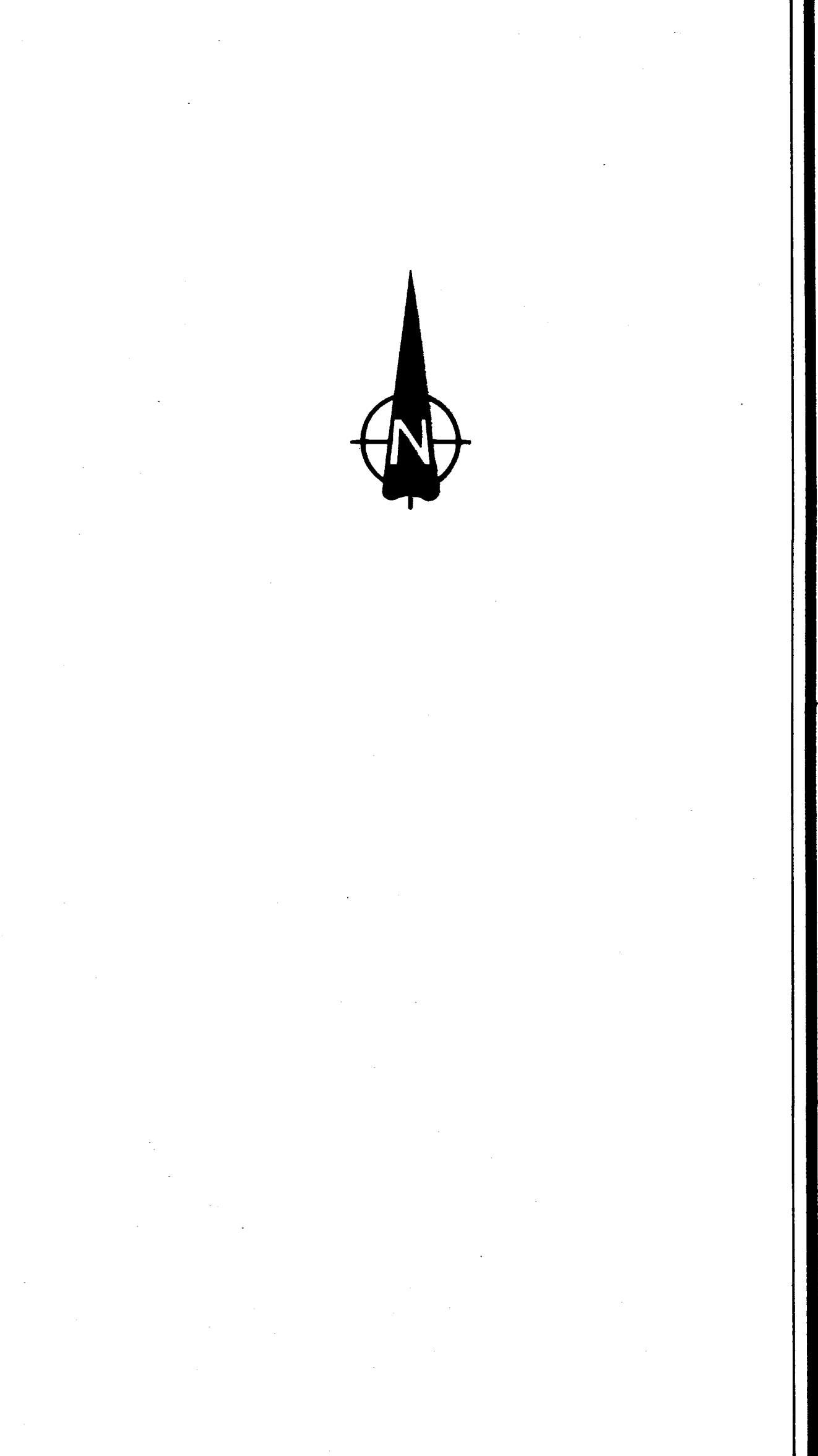
CAIRO TWP.



INDEX MAP

SCALE 1:5000

METRES



STATION <u>NSS</u>	ELECTROMAGNETIC SURVEY
FREQUENCY <u>21.4 KHZ</u>	
IP. <u>---</u>	FOR
O.P. <u>---</u>	CHARTRE-DUFRESNE
ICM: <u>80% S</u>	PROPERTY
IP. O.P.	
+ -	
PROJECT <u>CAIRO TWP.</u>	
Instrument	SURVEYED BY <u>EXPLORATION SERVICES</u> DATE <u>DEC/93</u>
<u>GEONICS EM-18</u>	DRAWN BY <u>S. Standa</u> SCALE <u>1:2500</u>
TWP <u>CAIRO</u>	SERVICES EXPLORATION SERVICES ENRG REGD

