GM 38515

REPORT ON WORK CARRIED OUT IN 1981-82



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MONOPROS LIMITED

REPORT ON

WORK CARRIED OUT IN 1981-82

ON 350 MINING CLAIMS

IN GUIGUES AND BABY TOWNSHIPS

TEMISCAMINGUE COUNTY, QUEBEC

Ministère de l'Énergie et des Ressources Gouvernement du Québec Service du Potentiel minéral

DATE: _	2 5 MAI 1982	
No GM	38515	

by J. E. Brunet, Geologist

APRIL 6, 1982



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SUMMARY:

The Monopros claims are located in Guigues and Baby Townships in the County of Temiscamingue, Quebec.

THE claims were staked in March, April and May, 1980 and March, 1981 by Services Exploration Enrg. of Noranda and subsequently transferred to Monopros Limited.

Field work in the summer of 1981 consisted of:

A diamond drilling programme, geochemical surveys and ground magnetometer surveys

Two additional ground magnetometer surveys were conducted in late winter.

INTRODUCTION:

This report is a presentation of the work done on the mining claims held by Monopros Limited during the 2nd year following the recording of the claims, in fulfilment of the assessment work requirements of the <u>Mining Act</u> of the Province OF Quebec.

Three hundred and forty-eight (348) claims were staked during March, April and May, 1980; two (2) additional claims were staked in March, 1981, for a total of 350 claims, all of which lie in one continguous group.

Field work was carried out between May, 16th, 1981 and November 2nd, 1981, under the supervision of J. Brunet (Geologist), assisted by D. Boucher (Sept.-Nov.) (Geologist) and G. Fournier (Prospector).

Dr. M. Perttunen worked for Monopros Limited in the capacity of Consultant (Glacial Geologist).

The following students were also employed from time to time on the Ville-Marie Project:

W.	Kasowski	C.P. 60, Rock Forest, Quebec
D.	Taillefer	2 - 65 Langevin Ave., Ottawa, Ont.
Ε.	Jager	345 Laurier Ave. E., Ottawa, Ont.
Α.	Howkins	C.P. 28, Toronto-Dominion Centre, Toronto, Ont.

J. Brunet and G. Fournier are permanent employees of Monopros Limited, 118 Springfield Road, Ottawa, Ontario.

D. Boucher is employed by Hudson Bay Mining & Smelting Co. Ltd.;C.P. 28, Toronto-Dominion Centre, Toronto, Ont.

Dr. M. Perttunen was on leave from her permanent position with The Geological Survey of Finland in Helsinki, Finland.

Work done on the claims consisted of:

- (i) Broad reconnaissance geochemical sampling programme over portions of the claim block (Brunet & Fournier)
- (ii) Detailed geochemical sampling of basal till or other sediments overlying bedrock.
 These samples were obtained by overburden drilling. (Longstreet Drilling Company Ltd.)
- (iii) Diamond drilling programme in Northwestern portion of claim block. (Terraphysics Ltd.)
 - (iv) Ground magnetometer surveys in Northwestern
 portion of claim block. (Contracted to Services
 Exploration Enrg.)
 - (v) Ground magnetometer surveys in Southern part of claim block.
 - (vi) Glacial geology study (M. Perttunen)

PROPERTY:

The property consists of three hundred and fifty (350) contiguous claims in Guigues and Baby Townships in the County of Temiscamingue, Quebec.

The area is surveyed and subdivided into lots, most of which are 200 acres in area (40 HECTARES).

The claim block covers the following lots:

Guigues Township	Range	7,	Lots	1	to	66
	Range	8,	Lots	1	to	58
	Range	9,	Lots	1	to	58
Baby Township	Range	1,	Lots	1	to	66*
	Range	2,	Lots	1	to	66
	Range	3,	Lots	1	to	25

*with the exception of Lot 58 in Range 1, Baby Township

A portion of Range 1 in Baby Township (covering part of Baby Lake) equivalent to Lots 32 through 39 inclusive has been subdivided into 17 claims.

Three hundred and forty-eight (348) claims were staked by Services Exploration Enrg. of Noranda, Quebec, between March 20th and May 21st, 1980. Two additional claims were staked in March, 1981 by the same contractor. The claims were transferred to Joseph Brunet on June 16th, 1980, and subsequently transferred on December 12th to Monopros Limited, the present holders.

The additional two (2) claims were transferred to Monopros Limited in March, 1982.

ACCESSIBILITY AND TOPOGRAPHY:

The Monopros Limited claim block lies between Lake Timiskaming and Lac Des Quinze near the Quebec-Ontario border. The Village of St. Eugene-de-Guigues is situated near the geographic centre of the claim block, and is approximately 78 miles south of the City of Noranda. Other nearby communities include Notre-Dame-du-Nord, Angliers, Laverlochere, Lorrainville and Ville-Marie.

The area is mostly forested with some farms along the North-South roads.

The topography is gently rolling and is dominated by one large lake (Baby Lake); whereas a few smaller lakes are located in the Northwestern and Southeastern portions of the area.

GENERAL GEOLOGY:

Most of the area is underlain by metavolcanic trondhjemite porphyry and metasediments (mainly metagrauwacke) of lower precambrian age, the westernmost portion is underlain by upper precambrain sedimentary rocks (sandstone, conglomerate, grauwacke). One large diabase dyke of late precambrian age trends southwest from Ile Submergee. The surficial geology consists of extensive glacio-lacustrine clays and silts of Lake Ojibway, Barlow time, that cover the topographically lower terrain.

Where outcrop stands above the clay, a thin veneer of glacial till is commonly found and is usually reworked by lake-beach actions.

Two main North-South eskers were identified, one crossing the Riviere des Quinze between Rapides des Iles and the dam at Rapide des Quinze, the other extending along the western side of Baby Lake. A few isolated glacio-fluvial deposits occur and are probably the tops of buried eskers.

GEOCHEMICAL SURVEYS:

Two geochemical sampling programmes were carried out in the summer of 1981.

(1) A reconnaissance sampling programme along the Eastern and Northeastern portion of the claim block involved the collection of 128 soil samples. Most of the samples were in the "B" Horizon of glacial till or glacio-lacustrine material.

The soil samples were submitted to Bondar-Clegg And Company Ltd., 764 Belfast Road, Ottawa, Ontario. The samples were analysed for nickel, chromium, niobium and titanium. The sample sites are shown on the accompanying set of 1:10,000 maps.

The collection of the samples occupied 2 men (Brunet and Fournier) for 12 days.

(2) A more detailed geochemical sampling programme was initiated in the Northwestern corner of the claim block. A series of overburden borings were initiated to collect a geochemical sample at the overburden-bedrock interface and to determine the thickness of overburden. The drilling was performed by Longstreet Drilling Company Limited, Matheson, Ontario. Drilling costs were fixed at \$12.00 per foot.

Twenty-eight (28) holes were drilled. The total footage thereof was 1,531 feet, at a cost of 1,531 X \$12.00 = \$18,372.00.

DIAMOND DRILLING PROGRAMME (WINKIE):

A diamong drilling programme, consisting of 14 holes on claims 389034-2 and 388939-1 was carried out during July, August and September, 1981 by Terraphysics Ltd., R.R. #1, Pass Lake, Ontario, POT 2MO. The drilling was supervised by W. Kasowski over a period of 22 days.

The 14 holes herein submitted for credit, represent the useable portion of the total 22 hole drill programme.

The cost of the drilling submitted was determined by working out the average cost per foot for the total number of holes, and then calculating the useable footage charges:

Contractor's billing	Aug. 20-81	22,280.00
	Sept. 28-81	22,175.00
Accommodations (Motel)	Drill C rew	<u>5,621.24</u> \$50,076.24

Total footage drilled 2,159

Average cost per foot \$ 23.19

Cost of Supervision (W. Kasowski)

Salary - \$1,700/month \$56.66/day Food and accommodation \$28.72/day 85.38 Charges for 22 days 1,878.36 Charges per foot drilled \$1.41

Drilling Charges Submitted:

14 holes, total footage 1,333 @ (23.19 + 1.41) = \$24.60/ft. 1,333 X \$24.60 = \$32,791.80 The drilling costs were spread over 11 contiguous claims according to Division 1X Section 75 of The Mining Act.

Lot	#58	54	Hectares	Claim #	389034-2
н	57	61	#1		388939-1
н	56	40	11	11	388938-2
	55	40	0	11	388938-1
н	54	. 40			388937-2
0	53	40	0	14	388937-1
11	52	40	94	11	388936-2
11	51	40	м	п	388936-1
	50	40		11	388935-в
11	49	40	0		388910-1
0	48	40	0	11	388909-2

The above grouping represents 475 Hectares.

The required expenditures on the group is \$4,750.00.

The total expenditures are \$32,791.80, thus leaving an excess of \$28,041.80 to be carried forth in successive years.

Details of the drilling will be found on the appended "Diamond Drill Record" forms.

The drill cores are stored at the Monopros Limited Office in New Liskeard, Ontario, and are available for inspection by Geologists of the "Ministere des Richesses Naturelles".

The core will be offered to the Ministry's core library in Noranda, Quebec. DIAMOND DRILL HOLE SUMMARY (WINKIE)

Drill Hole #	Depth to bedrock ft.	Core length ft.	Total depth ft.
WH-1	62	10	72
WH-2	25	10	35
WH-3	. 84	10	94
WH-4	84	10	94
WH-9	108	13	121
WH-10	104	10	114
WH-11	94	15	109
WH-12	89	16	105
WH-14	91	10	101
WH-15	115	14	129
WH-19	80	10	90
WH-20	24	20	44
WH-21	81	10	91
WH-22	117	17	134

...

Total footage drilled: 1,333 ft.

GROUND MAGNE TOME TER SURVEYS:

(1) Two (2) ground magnetometer surveys of 51.5 km (32 mi) and 96.5 km (60 mi) for a total line length of 148.0 km (92 mi) were carried out by Services Exploration Enrg. of Noranda, Quebec. Line spacing was 50 meters with readings taken at 12.5 meter intervals. The instrument used was a Geometrics G-816 Magnetometer. The mag. maps thus produced are 1:2,500 scale.

The contractor's interpretation reports are herein appended.

(2) Detail ground magnetometer surveys were conducted by D. Boucher and assistants over three (3) selected targets in the Southern portion of the claim block. The surveys were located as follows:

 Anomaly "D"
 Claims 388944-1
 3.3 Line Kilometers

 388945-1 & 2
 388945-1 & 2

 Anomaly "E"
 Claims 388954-1 & 2
 6.3 Line Kilometers

 Anomaly "N"
 Claims 388994-1 & 2
 6.3 Line Kilometers

 "388995-1 & 2
 388995-1 & 2
 388995-1 & 2

The total line length is thus 15.9 kilometers and cost \$7,432.92. (See Appendix B)

GLACIAL GEOLOGY STUDY:

A glacial geology study was undertaken by Dr. M. Perttunen, a Geologist on leave from The Geological Survey of Finland, Helsinki, Finland. Dr. Perttunen was hired as a consultant at a salary of \$200/day and was assigned the task of interpreting the glacial geology (history) of the Ville-Marie project area. Emphasis was put on the following points:

(a) Description of surficial material (mapping).

(b) Study of direction of glacial movement

(c) Distance of transport

The above studies occupied Dr. Perttunen for 30 days. Thus, the cost of the glacial study was arrived at as follows:

 Salary
 30 days at \$200.00/day
 6,000.00

 Living expenses (room & board) 30 X \$28.72
 861.60

 \$ 6,861.60

A condensation of her work is hereby found in Appendix "A" titled "Glacial Geology".

RESULTS--- RECONNAISSANCE GEOCHEMICAL SURVEY:

Of the four (4) elements reported, Nickel and Niobium would seem to suggest an anomaly along the Cameron River, between Lac Baby and St Eugene-de-Guigues. Other isolated high values occur within the claim block area (some occurring outside) but are not considered meaningful.

Samples collected outside the claim block are shown on accompanying 1:20,000 scale maps for comparison purposes. The cost of work outside the claim block was of course not claimed for assessment purposes.

DISCUSSION AND CONCLUSION:

It should be noted that 1981-82 was the second year of work on this claim block. The Goechemical sampling was done to confirm results obtained from the 299 samples reported on in the 1980-81 filing. That is, the 1981 work covered, in part, areas which were insufficiently sampled in the 1st year of work.

The poor results thus obtained have caused the relinquishing of a substantial portion of the original claim block, 168 claims are thus being given up.

Further Geochemical sampling is planned for the 1982-83 season on the remaining ground.

RESULTS--- DETAILED GEOCHEMICAL SURVEY

Twenty-eight (28) overburden borings (drill holes) were located in the the Northwestern portion of the claim block. A Geochemical sample was collected at the bottom of each hole.

This method was necessitated by the overlying deposits of glacio-lacustrine clays, the thickness of which ranged from 3 ft. to 85 ft. See appendix .

The values obtained are somewhat higher than those obtained from the surface soil samples. This is probably due to the fact that material lying below a thick cover of clay has not been leached or chemically altered since deposition.

DISCUSSION AND CONCLUSION:

The results for the four (4) element analysed would appear to suggest the proximity of either lamprophyre or carbonatite intrusives lying somewhere to the north, probably under the clay cover. As a result of the ground mag. survey subsequently done in the same area, potential magnetic anomalies should be drilled in 1982.

RESULTS ---- GROUND MAGNETOMETER SURVEY:

Two surveys conducted by Services Exploration Enrg. in the Northwestern portion of the claim block have outlined potential drill targets that will be investigated in 1982 (see contactors report).

RESULTS---- DIAMOND DRILLIND PROGRAMME:

Although none of the 14 holes hit bedrock that might be considered "source material" for the Geochemical anomalies outlined in the 1980-81 work, they did confirm the rock type as metasedimentary in each case, bedrock was penetrated to a depth of 10 ft.. Minor sulphide mineralization was identified (pyrite) in some of the core, but was not considered significant; thus no assays were undertaken(see drill hole logs). All holes were drilled into bedrock for a minimum depth of 10 ft. to ensure that the hole had not terminated in a boulder. A secondary effect of the drilling was to establish the the thickness of overburden (clay-sand - gravel) thoughout the drill area. It should be noted that all holes were vertical.

DISCUSSION AND CONCLUSION.

Drilling on the basis of Geochemical anomalies is somewhat risky, and should only be done in conjunction with Geophysics. Now that a magnetometer survey has been done, additional drilling will be undertaken in 1982.

RESULTS --- DETAILED GROUND MAGNETOMETER SURVEYS

Of the three (3) small magnetometer surveys run in the Southern area, "D", "E" and "N"; anomaly "E" is caused by gabbro, no outcrop was seen on the other anomalies. Anomalies "D" and "N" were considered to be too small and too low in intensity to warrant further work.

GROUPING OF CLAIMS:

Not all of the 350 claims were worked on during the 1981-82 season and part of the claim block is being relinquished. One hundred and sixty-eight (168) claims are being dropped, thus Monopros Limited's holdings are reduced to 182 claims.

The diamond drilling expenses were spread over 11 contiguous claims (475 hectares), see page 11 of this report. The drilling expenses required are \$4,750 on the 475 hectares, total spent on drilling the claims is \$32,791.80 , thus leaving an excess of \$28,041.80 to be carried forth.

The other surveys' costs have been spread over the remaining 171 claims (6,678 hectares).

In addition to the expenses incurred in 1981-82, an excess of \$10,581.94 is carried over from the previous year.

FIELD LIVING EXPENSES:

A ten (10) man field party spent the summer of 1981 prospecting the New Liskeard, Ville-Marie area of Ontario and Quebec. Towards the end of the field season, some of the departing students were replaced by personnel hitherto working outside of the area.

The field party was accommodated in cottages near New Liskeard and on Baby Lake.

At New Liskeard (Glen-Aura Cottages), two small houses and three cabins were rented for most of the season. At Baby Lake (Kent Urbassik's Cabins), one cabin was rented for three months.

Room and board costs were averaged out over the periods; May-September (Accommodations), June-September (food). (See attached Bills/Receipts)

Accommodations Costs: \$21,297.00 or \$18.62/man/day Food Costs: 9,707.92 or 10.10/man/day

Thus, living costs in field were \$28.72/man/day.

Since only a portion of the manpower was expended on the Monopros claims, expenses claimed on behalf of the work done are submitted on a pro-rata basis.

DEPLOYMENT OF PERSONNEL, DAYS IN FIELD 1981

		k	L	1	1	1	1
	May	June	July	Aug.	Sept.	Oct.	Nov.
BRUNET	16	25	27	31	12	3	9
FOURNIER	24	28	21	29	20	13	10
JAEGER	28	30	31	27	21	30	
McBRIEN	28	30	29	31	5		
RUSHFORTH	27	30	24	30			
FYSON	27	30	31	31			
TAILLEFER	28	27	27	26	20	29	
CARIS	28	28	29	31	3		
PERTTUNEN	5	15	15	24	30		
KASOWSKI		21	30	30	21		
BOUCHER					4	31	2
SETOSTA					4	31	2
HOWKINS					3	31	5
TOTALS	183	264	264	290	143	168	28

TAKING THE PERIOD MAY-SEPTEMBER

A total of 1,144 man/days were expended Accommodation costs: \$21,297 or \$18.62/man/day Food costs (June-Sept.) 9,707.92 or \$10.10/man/day Cost of Food & Accommodation = \$28.72/man/day MONOPROS LIMITED 3 Mutual Street Toronto, Ontario M5B 2A7

March 2, 1982

TO WHOM IT MAY CONCERN:

The following personnel were employed by DIAPROS CANADA LIMITED during the 1981 Field Season, at the monthly salaries (including benefits) listed below:

J.	Brunet	\$2,566.35
G.	Fournier	1,627.76
Е.	Jager	1,457.50
D.	McBrien	1,457.50
J.	Caris	1,380.14
м.	Fyson	1,457.50
Ρ.	Rushforth	1,533.85
D.	Taillefer	1,457.50
W.	Kusowski	1,700.00

Signed:

P.J.B. Woods Senior Vice-President

PJEW:gb

SUMMARY OF EXPENSES:

Reconnaissance Geochemical Sampling	=	
Salaries of 2 man team (12 days)		
Brunet	1,026.54	
Fournier	651.10	
Food & Accommodations (12 days)	689.26	
(\$28.72/man/day)		
Geochemical analysis (128 samples)	1,484.80	
(\$11.60/sample)	3,851.70	3,851.70
Detailed Geochemical Sampling		
Overburden drilling (1,531 ft.)	18,372.00	
Geochemical analysis (31 samples)	<u>348.90</u> 18,720.90	18,720.90
Ground Mag. Survey (Grid-A)		
Line cutting	8,000.00	
Mag. Survey	<u>3,840.00</u> 11,840.00	11,840.00
Ground Mag. Survey (Grid-B)		
Line cutting	15,000.00	
Mag. Survey	7,200.00	22,200.00

Ground Mag. Survey (Detail)

(4 man crew for 18 days)		
Salaries 243.86/day	4,389.48	
Food & Accommodations \$28.72/man/day	2,067.84	
Magnetometer Rental	<u>1,155.60</u> 7,612.92	7,612.92
Diamond Drilling Programme (Winkie Dr	<u>ill)</u>	
14 holes, total footage 1,333 (\$24.60/ft.)		32,791.80
Glacial Geology Study		

 Salary - 30 days @ \$200.00/day
 6,000.00

 Food & Accommodations 30 days @

 \$28.72/day
 861.60

 Vehicle Rental
 363.04

 7,194.64
 7,194.64

N . I	3	An ex	cess	credit o	f \$10,581.94	
is	carried	over	from	previous	year.	10,581.94

TOTAL AVAILABLE CREDITS..... \$114,793.90







GLACIAL GEOLOGY

In order to determine the direction and distances of glacial transport of the surficial deposits, a general study of the glacial geology was made at Ville-Marie in 1981, under the dirction of M. Perttunen of the Finnish Geological Survey, on contract to Monopros Limited.

Glacial sediments were mapped in the field, assisted by air-photo interpretation, for which a complete set of air photos was purchased at scale 1:10,000. The map (fig. 1) shows a thin (0.2-1 m.) discontinuous till cover overlying bedrock in the northern and eastern areas which gives way westwards to thick lacustrine sediments. Two large eskers enter the area from the north and join into one at Lac Baby.

Prospecting was carried out in both the till and esker deposits. Transport directions of these deposits were determined by mapping glacial striae and measuring the orientations of the long axes of stones in till (fig.). Striae directions show a main stage ice flow towards 195° with a late stage advance towards 265° around Lac Baby. Till fabrics at 1, 2, 3 support this conclusion, while fabrics at 4, 5, 6 and 7 have a preferred orientation approximately in the 350° - 170° axis. However, owing to the wide scatter of stone orientations in the till in this area, the striae must be considered as the more reliable indicator of the ice flow direction.

An attempt was made to determine glacial transport distances by studying the lithologic relationship between the bedrock and the overlying glacial deposits. Two profiles of till samples were taken south of Lac Baby; one overlying thick glacial overburden (samples 17-23) and one of thin till overlying bedrock (samples 24-29). Both profiles begin at their northern ends at the proximal boundary of Trondhjemite and Syenodiorite type bedrock and are aligned approximately towards 195° (the assumed glacier flow direction). Both profiles reach their maximum proportion of locally derived pebbles within 3 km., although the proportion of far travelled erratic pebbles is three times greater in the thin till (samples 24-29) than in the other samples in thick glacial overburden (samples 17-23).

> Ministère de l'Énergie et des Ressources Gouvernement du Québec Service du Potentiel minéral

DATE:	25	MAI	1982
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Microfilm

PAGE DE DIMENSION HORS STANDARD MICROFILMÉE SUR 35 MM ET POSITIONNÉE À LA SUITE DES PRÉSENTES PAGES STANDARDS

<u>Numérique</u>

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Fig. Stone orientations in till, sample locations and glacial striae.

PROPORTION OF LOCAL TO ERRATIC PEBBLES IN TILL SAMPLES, PLOTTED AGAINST DISTANCE DOWNGLACIER OVER TWO BEDROCK TYPES



PROPORTION OF PEBBLE TYPES IN FLUVIOGLACIAL SEDIMENTS PLOTTED AGAINST DISTANCE DOWNGLACIER OVER DIFFERENT BEDROCK TYPES



Pebble counts in esker deposits overlying 3 different bedrock types seem to indicate longer transport distances. The maximum proportion of metasediment pebbles in the esker deposits occurs 6 km. south of the zone of metasediment bedrock. Also the proportion of metavolcanic pebbles drops in the zone of metavolcanic bedrock but begins to rise again moving southwards into the zone of trondhjemite bedrock. From this, average transport distances in the eskers are tentatively assumed to be 6-10 km. in this area, although further sampling is needed to substantiate this.

BH:gb

Brian Horsfield

DIAMOND DRILL HOLE SUMMARY (WINKIE)

Drill Hole #	Depth to bedrock ft.	Core length ft.	Total depth ft.
WH-1	62	10	72
WH-2	25	10	35
WH-3	84	10	94
WH-4	84	10	94
WH-9	108	13	121
WH-10	104	10	114
WH-11	94	15	109
WH-12	89	16	105
WH-14	91	10	101
WH-15	115	14	129
WH-19	80	10	90
WH-20	24	20	44
WH-21	81	10	91
WH-22	117	17	134

Total footage drilled: 1,333 ft.



Ministère de l'Énergie et des Ressources Gouvernement du Québec

Gouvernement du Québec Service du Potentiel minéral DATE: _________ DATE: ______

No G.M.: 38515

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NAME O HOLE N LOCATIO LATITUD ELEVATI STARTED	F PROP W LoE 0 N LoO $25/$	ERTY VILLE-MARIE PROJECT (RIDGE ARCH) H-1 LENGTH BR. (62') + CORE (10') = 72' T58 C RANGE VIII GUIGUES TWP. QUE. DEPARTURE AZIMUTH DIP V 77/81 FINISHED $35/7/81$	P AZ		OOTAGE	DIP	AZIMUTH	HOLE I REMA	NO. <u>4</u>	<u>H-1</u> sн <u></u> W, <u>Г</u>	еет no.		-
FOO	TAGE				SAMF	LE				ASSAY	(5		1
FROM	то	DESCRIPTION	NO.	SULPH-	FROM	FOOTAG	E TOTAL	36	76	OZ/TON	OZ/TON		
0 62	62 72	YELLOW CLAY / BLUE CLAY CORE - BEDROCH - MOTASEDIMENTARY ROCH, HIGHLY											
-		SHEARED, CONTAINS MUCH CHLORITIZED MATERIAL APPEARS TO BE NEAR CONTACT BOTHERN METAUCCALLOS TO THE SOUTH. AND METASEDIMENTS TO THE NORTH. SOME DISSEMILATED MAENSTITE SEEN, NO SULPHIDES.											
BR CORC T.)	62 10 72'	ESTIMATED DIP OF BEDROOM 70-75 ° Ministère de l'Énergie et des Ressources Geuvernement du Québec									l i i i i i i i i i i i i i i i i i i i	AVR, 1 6 1982 IMPRISTEME DE L'ÉNERGIE	- ROUYN -
. LANGRIDGES - TORON		Service du Potentiel minéral DATE: <u>2 5 MAI 1982</u> No G.M.: <u>38515</u>											

FORM 1

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NAME O HOLE NO LOCATIO LATITUD ELEVATI STARTED	F PROP D N E ON D X 6	ERTY $V L L \tilde{c} - MARIE$ $P R u \exists c c r c$ $(R i D G e A r e A)$ FOOTAGE $D H - \Delta$ LENGTH BR $(\Xi 5') \downarrow c c r c$ $(IO') = 35'$ $35'$ $-oT = 50c$ RANGE $VIII$ $G U i G u e S = T u P$ $Q u e B c c$ $35'$ $-oT = 50c$ RANGE $VIII$ $G U i G u e S = T u P$ $Q u e B c c$ $35'$ $-oT = 50c$ RANGE $UIII$ $G U i G u e S = T u P$ $Q u e B c c$ $35'$ $-oT = 50c$ RANGE $UIII$ $G U i G u e S = T u P$ $Q u e B c c$ $35'$ $-oT = 50c$ RANGE $UIII$ $G U i G u e S = T u P$ $Q u e B c c$ $35'$ $-0T = 50c$ RANGE $UIII$ $D i P$ V $0 i P$ V $-17/8I$ FINISHED $\Xi G / 7 / 8I$ $0 i P$ V $0 i P$ $0 i P$	IP AZIMUTH	FOOTAGE		ZIMUTH	HOLE REMA	NO. <u>W</u> RKS <u>-</u>	<u>н-л</u> ян Ц. J	EET NO	
FOOT	TAGE		1	SAMI	ΡLΕ		1	· ,	A S S A Y	YS	
FROM	то	DESCRIPTION	NO. SULF	FROM	FOOTAGE TO	TOTAL	76	%	OZ/TON	OZ/TON	
0	35	YELLOW ELAY / BLUE GREY CLAY MINOR AMOUNT OF COARSE MATERIAL OVERLYING BED ROCK.									
1- 300-1108 12	35	BEDROCK METASEDIMENTARY ROCK (METAGRAYWACKE) HIGHLY SHEARED MATERIAL, CHLORITIZED (SCAPY IN TEXTURE) MINER DISSEMENATED MAGNETITE, NO SULPHIDES SEEN SIMILAR TO HOLE WH-1, CONTACT ZONE BETWEEN METAGRAYWACKE AND METAVOLCANICS TO THE SOUTH.									
B.R.	15	ESTIMATED DIP. OF BEBROCK 70-75"									
TOTAL D GPTH	10 35										

NAME OF HOLE NO LOCATIO LATITUD ELEVATIO STARTED	F PROPE D N E DN _	BRTY VILLE-MARIE PROJOG (RIDGE DREA) H-3 LENGTH BR. 84' + 10 core 94' T 5% C RANGE VIII GUIGES TUP 905, DEPARTURE DIP V 17.181 FINISHED 27/7/81 DIP V	FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH	R E M A	RKS	W.J	K.	
FOOT	AGE	DESCRIPTION				SAMI	PLE			,	SSAY	Ś	
FROM	то			N	0. SULPI IDES	FROM	TO	TOTAL	3	76	OZ/TON	OZ/TON	
0	18	YELLOW CLAY											
18	64	BLUE CLAY											
64	84	SANDY GRAVEL, ~ X FT. DIAMETER BUULDE	RAT										
Ø		66 T.T. DEPT4											
84	94	BEDROCH _ METAGRAYWACHE, STEEPLY DIPL 70°-75° _ MINCR SULPHIDES (PYRITE)	DI NG										
B. Ruck	84												
CORE	10												
LANGRIDGES - TORONTO -	94 FT.												

NAME O HOLE NO LOCATIO LATITUD	F PROP	ERTY VILLE-MARIE PROJECT (RIDGE AREA) 14-4 LENGTH BR (84) + Core (10) = 94 T58C RANGE VIII GUIGUES TWP. 945. DEPARTURE	DIP A	ZIMUTH	FOOTAGE	DIP	ZIMUTH	REMA	40. (//	<u>4-4</u> sн	EET NO	
ELEVATI	ON	AZIMUTH DIP 7/8/FINISHED29/7/8/						LOGGE	D BY	WK	le la	
FOO	TAGE	DESCRIPTION			SAMI	ΥLE			,	SSAY	í S	
FROM	то		NO	· SULPH	FROM	FOOTAGE	TOTAL	z	76	OZ/TON	OZ/TON	
0	59	yellow day / blue-grey day										
59	60	granite boulder										
60	68	yellow day / plue grey day										
68	69	boulder, water lost										
69	79	'soft' porous zone, gravel?										
		drill ceased, all casing pulled										
		& hole redrilled										
BR	84	5										
Core	10											
TR	94											
99		BR (meta sed, pipite & quarte										
366-116		mineral") STEEP DIP 1 75-809										
- OINIO -												
- TOR(
RIDGES												
LANG												

IAME OF PROPERT	TY VILLE-MARIE PROJECT (RIDGY AREA) 4-9 LENGTH BR(108) + CORE (13)=121 58 C RANGE VIII GUI GUES TWP QUE.	FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH	REMA	RKS_	<u></u> sh	IEET NO.	
atitude _evation tarted8	DEPARTURE DIP AZIMUTH DIP 3/8/FINISHED2/8/8/							LOGGE	D BY	(1JH	2	
FOOTAGE	DESCRIPTION	an a		0 0 % -	S A M	PLE FOOTA	GE			ASSA	y s	1
0 60 60 60 76 76 76 76 76 97 108	yellow day / blue-grey day pebble yellow day / blue-grey day pebble yellow day / blue-grey day unsorted boulder-grey day sand zone	4			FROM		TOTAL	70				
BR 108 Vore 13 TO 121	BR (meter sed, pipite mine	eral")									

FORM I

ME OF PROPER LE NO. LIF CATION LOT TITUDE	TY VILLE-MARIE PROJECT (RIDGE ARGH) -10 LENGTH BR (101-102) are (12-13) 580 RANGE VIII GUIGUES TWP QUE DEPARTURE	footage 114	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH	REMA	NO.	<u>4-10</u> sf	EET NO
ARTED 14/8	AZIMUTH DIP							LOGGE		wyk	0
OOTAGE	DESCRIPTION				SAMI	PLE			,	ASSA	(S
ROM TO			N	D. SULPH IDES	FROM	FOOTA TO	TOTAL	76	Fo	OZ/TON	OZ/TON
0 88 88 101	yellow day / blue- grey day unsorted boulder - navel - sand										
	zone										
3R 101 TO2											
re 12/13	RP moto and it	12)									
D 114	en (mina-ser, pipile minina										

NAME OF HOLE NO. LOCATION LATITUDE ELEVATION	PROPER LOT	RTY VILLE-MARIE PROJECT (RIDGE AREA) 4-14 LENGTH BR(91) COLE (~10) 58 C RANGE VIII GUIGUES TWP. QUE. DEPARTURE	F00TAGE		ZIMUTH	FOTAGE		ZIMUTH	HOLE N	10	<u>-/4</u> sh	EET NO	-12
STARTED _	19/	8/8/ FINISHED 20/8/8/]	LOGGE	р вү	us	R	
FOOT	AGE					SAMF	LE			,	ASSAY	/ S	
FROM	то	DESCRIPTION		NC	SUL PH-	FROM	FOOTAGE TO	TOTAL	76	76	OZ/TON	OZ/TON	
0 81	81 91	yellow day / libre-grey day {boulder, gravel, sond} zone											
BR core TD	91 .10 101	BR (meta-sed , pipite me	meral	- 7)									
ES - TORONTO - 366-1168													
LANGRIDGE													

ξ.

NAME O HOLE NO LOCATIO LATITUD ELEVATIO	F PROP D. <u><u><u></u></u> N <u><u><u></u></u> E <u></u> ON <u></u></u></u>	ERTY VILLE MARIE PROJECT (RIDGE AREA) H- 19 LENGTH BR. (80) CORE (16) T 58 C RANGE VIII GUIGUES TWP. QUE. DEPARTURE AZIMUTH DIP	FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH	HOLE I	NO	<u>и — 19</u> _ SH	EET NO	
STARTED	26	18/81 FINISHED 29/8/81							LOGGE	D BY	<i>W</i> , 1	5.17.	
FOOT	TAGE	DESCRIPTION				SAM	PLE			,	ASSAN	rs	
FROM	то			N	10. SULPH	FROM	FOOTA	JE TOTAL	- Z	3%	OZ/TON	OZ/TON	
0	66	YELLOW CLAY / BLUE-GREY CLAY						-					
66	70	FINE SAND AND GRAVEL ZONE											
70	80	(BOULDEP, GRAVEL, SAND) ZONE											
80	90	BEDROCK - STEEPLY DIPPING METASGOIMELTS											
		MINOR PYRITE (FESS) MINERALIZATION											
		6											
BR	80												
CORO	10												
T.D	90												
P - OINC													
HOI - 6													
NGRIDGE													

NAME OF	F PROPI	ERTY VILLE MARIE PROJECT (RIDGE AREA)	FOOTAGE	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH	HOLE	NOW	1-20 SHI	EET NO	
HOLE NO	ll	1H-20 LENGTH BR(24) core (20)	111						REMA	RKS			
LOCATIO	N L	T 50 A RANGE VIII GUIGUES TWP. QUE,	77										
LATITUD	E									e - S	1 ul	2	
STARTED	31/	8 81 FINISHED 31 8 81	Ļ						LOGGE	D BY	Nge		
FOOT	AGE	the second s		1		SAMI	PLE		1		ASSAY	S	
FROM	то	DESCRIPTION			0. SULP	4	FOOTA	GE	- 75	7%		OZ/TON	
					IDES	FROM	то	TOTAL			02/1011		
0	24	old lake bottom, peat											
		(no sign of day, boulder	0										
		guine or sand											
BR	24												
iore	20												
70	44	BR (meta-cod			21								
		pipite ;	mener	ar	1								
6-1168													
0 - 36													
ORON													
ES - T													
GRIDG													
LAN													
	-												

DLE NO. DCATION ATITUDE EVATIO	. <u>Lo</u>	H-2/ LENGTH BP 8/ Core 10/ DT 584 RAUGE VIII GUIGUES TwP. QUE. DEPARTURE	91						REMA	RKS	with	Ø	
TARTED		9/8/ FINISHED // 9/8/	·····	1							1		_
FOOT	AGE	DESCRIPTION		z	0. SULP	SAM	PLE FOOTA	GE	76	32	ASSA	Y S	
0 78 74	74 81	yellow day / blue-grey day boulder or rock """" except for abs" at (14)G (18, very little & boulder, graved zone cover was present) , sand	R		PROM							
BR vite TP	81 10 91	BR (mete-sed, pyrite n	rinere	2	.)								
4													

NAME OF PROPERTY UILLE-MARIE HOLE NO. WH-22 LENGTH BR (127) COTE (17) LOCATION LOT 59 A RANGE VIII GUIGUES THR. QUE	footage 134	DIP	AZIMUTH	FOOTAGE	DIP	AZIMUTH	HOLE I	RKS_	1-22 _{SH}	EET NO.	
LATITUDE DEPARTURE ELEVATION AZIMUTH DIP STARTED 2/9/8/ FINISHED 4/9/8/							LOGGE	D BY	WJK		
FOOTAGE				SAM	PLE			,	ASSAY	YS	
FROM TO		И		FROM	FOOTA TO	GE TOTAL	- 8	%	OZ/TON	OZ/TON	
0 118 yellow day / blue grey day 118 Noch or bouldes											
118 127 Eboulder, gravel, sand & zone											
BR 117 core 7											
TD 134 BR (meta-sed., pyrite me	ineral	2									

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: (613) 237-3110 TELEX: 053-4455

FROM: DIAPROS CANADA LIMITED	SUBMITTED BY: J.E. BRUNET
DATE: 17-MAR-82 PROJECT:	
LOWER ELEMENT DETECTION LIMIT EXTRACTION	METHOD SIZE FRACTION SAMPLE TYPE SAMPLE PREPARATIONS
Ni 2 PPM HNO3-HCL HOT EXTR Cr 2 PPM Nb 1 PPM Ti .01 PCT	Atomic Absorption STREAM SEDIMENTS AS RECEIVED, NO SP X-RAY Fluorescence X-RAY Fluorescence X-RAY Fluorescence
REPORT COPIES TO: MR. J.E. BRUNET	INVOICE TO: MR. J.E. BRUNET
REMARKS: < MEANS LESS THAN	
IS MEANS INSUFFICIENT SAMPLE	

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: (613) 237-3110 TELEX: 053-4455

REPORT: 112-0238	PROJECT:					•	FAGE 1	
SAMPLE ELEMENT NUMBER UNITS	Ni FFM	Cr FFM	Nb PPM	Ti PCT	NOTES	SAMPLE ELEMEN NUMBER UNIT	T Ni Cr S PPM PPM	ND TI NOTES PPM PCT
DHL-1-81 DHL-1A-81 DHL-2-81 DHL-3-81 DHL-4-81	24 200 168 192 180	1356 263 272 187 643	17 6 14 9 3	1.52 0.41 2.15 0.67 0.85		DHL-29-81	136 579	11 0.57
DHL-5-81 DHL-6-81 DHL-7-81 DHL-8-81 DHL-9-81	184 112 172 190 395	244 255 732 182 387	1 <1 8 <1 23	0.52 0.42 1.31 0.40 2.42	and the second			
DHL-10-81 DHL-11-81 DHL-12-81 DHL-13-81 DHL-14-81	74 40 89 280 156	208 212 176 1875 297	<1 <1 <1 <1 2	0.48 0.40 0.40 1.59 0.65				
DHL-15-81 DHL-15A-81 DHL-16-81 DHL-17-81 DHL-18-81	260 65 230 112 158	440 583 1067 1196 278	<1 <1 8 10 6	0.82 0.48 1.37 0.35 1.24			•	
DHL-19-81 DHL-20-81 DHL-21-81 DHL-22-81 DHL-23-81	305 108 86 132 69	IS 241 294 667	IS S <1 <1 6	IS IS 0.54 0.58 0.80				
DHL-24-81 DHL-25-81 DHL-26-81 DHL-27-81 DHL-28-81	152 230 310 370 192	246 713 587 206 1367	<1 16 7 <1 16	0.59 0.80 0.95 0.28 1.45				

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: (613) 237-3110 TELEX: 053-4455

ROM: DI	APROS CANADA LIMI	TED	SUBMITT	ED BY: J.E.BRUNET		
ATE:	24-FEB-82 PROJE	CT:				
LEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATIONS
Ni Nb Cr Ti	2 PPM 1 PPM 2 PPM .01 PCT	HNO3-HCL HOT EXTR	Atomic Absorption X-RAY Fluorescence X-RAY Fluorescence X-RAY Fluorescence	-80 MESH -80 MESH -30 MESH -80 MESH	SOILS	DRY,SEIVE -80
EPORT C	OPIES TO: MR. J.E	. BRUNET	INVOICE -	TO: MR. J.E. BRUN	ET	
EMARKS:	ND MEANS NOT DET	ECTED				16 1982 DE L'ÉNERGIE RESSOURCES
			Ministère de l'Ésèreir	ot das Desseures		ANR. Istere I Des F
			Gouverne nont ou Ouébe Service du Potentiel miné	et des nessources ec ral		: Kana
			DATE: 2 5 MAI 1982 No G.M.: 38515			
					La-	

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: (613) 237-3110 TELEX: 053-4455

REPORT:	112-0134	PROJECT:									FAGE	1		
SAMPLE NUMBER	ELEMENT UNITS	Ni PPM	ND PPM	Cr PPM	Ti FCT		NOTES	SAMPLE NUMBER	ELEMENT UNITS	Ni FFM	NB PPM	Cr FPM	Ti PCT	NOTES
B-1-81		10	4	115	0.58			B-31-81		-30	ND	239	0.54	
B-2-81		48	2	255	0.65			B-32-81		150	ND	263	0.37	
B - 3 - 81		10	2	159	0.63			B-33-81		133	'ND	262	9.39	
B-4-81		/3	7	146	0,85			B-34-81		78	2	359	0.52	
B-5-81		39	2	781	0.95			B-35-81		-16	ND	181	0.55	7
B-6-81		25	ND	205	0.44			B-36-81		V 35	1	232	0.29	01 3
B-7-81		30	ND	192	0.36			8-37-81		132	3	252	0.74	83 2.
B-8-81		16	1	303	0.75			B-38-81		46	3	279	6.52	
B-9-81		20	1	186	0.49			B-39-81		25	ND	190	0.48	0
B-10-81		-34	ND	219	0.46			B-40-81		V44	ND	218	0.35	2
B-11-81		14	1	184	0.65			B-41-81		~30	1	181	0.59	A FUL
B-12-81		13	ND	176	0.45			B-42-81		18	ND	162	0.49	1
B-13-81		18	2	134	0.51			B-43-81		VND	ND	158	0.65	-
B-14-81		46	3	170	0.48			B-44-81		¥38	1	217	0.53	- Constant Constant Section - Constant
B-15-81		11	(ND	119	0.19			B-45-81		¥10	2	147	0.78	
B-16-81		4	ND	133	0.76			B-46-81		130	ND	145	0+47	
B-17-81		36	3	317	0.62			B-47-81		120	1	185	0.68	
B-18-81		36	4	287	0.49			B-48-81		24	ND	154	0.29	
B-19-81		- 4	2	125	0.42			B-49-81		V22	ND	193	0.60	
B-20-81		28	ND	148	0.42			B-50-81		V32	2	205	0.76	
B-21-81		43	2	366	0.77			8-51-81		40	1	156	0+46	
B-22-81		14	5	97	0.62			B-52-81		123	1	164	0.48	
B-23-81		19	4	157	0.42			B-53-81		¥19	1	155	0.43	
B-24-81		25	4	168	0.39			B-54-81		¥27	ND	184	0.46	
B-25-81		· 3	7	151	0.67			B-55-81		¥40	5	142	0.49	
B-26-81		28	3	222	0,72			B-56-81		√33	ND	188	0.54	
B-27-81		32	ND	171	0.77			B-57-81		26	ND	209	0.46	
B-28-81		-26	ND	215	0.53			B-58-81		10	6	157	0.85	- Satting 1
B-29-81	and the second second	,35	ND	216	0.49			B-59-81	120 Jahres	131	1	266	0.92	
B-30-81		18	IND	164	0.48	and the		B-60-81		144	9	158	0.51	

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: (613) 237-3110 TELEX: 053-4455

REPORT:	112-0134	PROJECT:								PAGE	2		
SAMPLE	ELEMENT	Ni FFM	Nb FFM	Cr FFM	Ti FCT	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Ni PPM	Nb PPM	Cr PPM	Ti PCT	NOTES
D-41-01		UT 7	1	740	0 59		0-01-01		145		707	0.54	
D-47-01		7 4	. 1	202	0.37		R-07-01		127 4	NTI	300	0.49	
8-47-81		40	4	137	0.50		8-93-81		-52	NTI	244	0.41	
B-44-81		- TV マ雪1	7	138	0.48		B-94-81		30		194	0.47	
B-65-81		44	1	208	0+40		8-95-81		V12	3	163	0.67	
D (/ 01		10	21.75	105	0 47		P-04-01		100	1170	710	0 47	
8-66-81		V80	NU	173	0 40		B-70-01 D-07-01		1070	N D	317	0+43	
8-0/-01		10	4	190	1.17		B-99-91		600	1	202	0.47	
0-00-01		~ 77	1	197	0.40		B-99-81		19	1	104	0.44	
B-70-81		- 22	1	121	0.57		B-100-81		134	2	287	0.55	
10 7 0 G 1		P U	-		W T W 7		and the last for the and		Ψ.	A	days but i		
B-71-81		24	2	171	0.47		B-101-81		128	1	335	0.76	
B-72-81		34	ND	204	0.64		B-102-81		150	4	324	0.67	
B-73-81		28	ND	171	0.26		B-103-81		10	4	39	0.53	
8-74-81		-41	ND	333	0.33		B-104-81		14	2	102	0.94	
B-75-81		~19	4	190	0.51		B-105-81		v10	ND	103	0.73	
8-76-81		~25	2	208	0.49		B-106-81		¥38	8	267	0.91	
8-77-81		16	NTI	183	0.46		B-107-81		14	ND	119	0.52	
B-78-81		15	2	166	0.51		B-108-81		122	ND	174	0.60	
B-79-81		/26	ND	160	0.39		B-109-81		-10	ND	. 172	0.43	
B-80-81		-14	ND	69	0.50		B-110-81		V60	7	132	0.68	
B-81-81		$\vee 5$	7	79	0.70		B-111-81		122	11	137	0.79	
B-82-81		~77	3	171	0.52		B-112-81		17	2	152	0.73	
B-83-81		15	ND	127	0.69		B-113-81		-18	3	163	0.53	
B-34-81		-41	1	293	0,50		B-114-81		12	1	193	0.56	
8-85-81		/82	4	308	0.70		B-115-81		V16	NI	165 .	6.74	
B-86-81		~56	ND	347	0.44		B-116-81		V15	2	157	0.47	
B-87-81		~36	ND	224	0,59		8-117-81		124	2	189 -	0.52	
B-88-81		.22	ND	200	0.62		B-118-81		5	5	93	0,46	
B-89-81		/26	ND	188	0.44		B-119-81		-4	7	33	0+73	
B-90-81		.120	ND	391	0.56		B-120-81		15	ND	82	0.47	

764 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: (613) 237-3110 TELEX: 053-4455

REPORT:	112-0134	PROJECT:			0 0					PAGE	3		
SAMPLE NUMBER	ELEMENT UNITS	Ni PPM	Nb PPM	Cr PPM	Ti PCT	NOTES	SAMPLE NUMBER	ELEMENT UNITS	Ni PPM	Nb PPM	Cr PPM	Ti PCT	NOTES
B-121-81		/14	2	213	0.77		B-154-81		38	3	136	0.48	
B-122-81		115	ND	809	0.74		B-155-81		45	5	159	0.50	
B-123-81		18	ND	198	0.53		B-156-81		42	7	146	0.48	
B-124-81		/26	ND	170	0.44		B-157-81		46	6	151	0.50	
B-128-81		44	4	239	0.43		B-158-81		56	6	154	0,52	
B-129-81	5	52	ND	197	0.35		B-159-81		42	3	137	0.50	
B-130-81		24	ND	263	0.50		B-160-81		42	1	231	0.47	
B-131-81	1	.20	ND	210	0.45		B-161-81		14	2	215	0.43	
B-132-81		30	2	202	0.43		B-162-81		20	ND	390	0.75	
B-133-81		46	ND	235	0.50		B-163-81		16	6	179	0.59	
B-134-81		18	. 1	167	0.52		R-164-81		60	3	326	0.50	
8-135-81			2	160	0.60		B-145-81		36	ND	269	0.44	
B-136-81		14	2	169	0.47		B-166-81		40	1	221	0.56	
B-137-81		39	4	229	0.46		B-167-81		28	ND	191	0.36	
B-138-81	*	28	ND	229	0.58		B-168-81		130	3	327	0.60	
B-139-81		20	3	183	0.46		B-169-81		51	4	214	0.49	
B-140-81		52	. 3	166	0.45		B-170-81		36	ND	181	0.39	
B-141-81		38	2	278	0.60		B-171-81		36	ND	211	0.64	
B-142-81		20	ND	199	0.63								1.1
B-143-81		88	ND	356	0.53								
B-144-81		100	4	435	0.63								
B-145-81		48	1	269	0.54								
B-146-81		.22	ND	136	0.25								
B-147-81		64	ND	341	0.60								
B-148-81		50	2	364	0.52								
B-149-81		28	1	260	0.54					*			
8-150-8T	Sorr	38	10	145	0.52						1		
B-151-81	PREE	52	7	131	0.48								
B-152-81		45	9	190	0.61								
B-153-81		.33	ND	284	0.55								

LONGSTREET DRILLING COMPANY LIMITED

HULE #	THICHLESS	THICHLESS OF	DEPTH TO
	OF CLAY	SAND - GRAVEL	DENNOCK
H-1-A	42'	10	52
2	50	3'	53'
3	62	0	62
4	77'	5'	82'
5	50'	7'	57'
6	47,	4 '	51
7	30'	7 '	37'
8	14	1 *	15'
9	43'	7 '	50'
10	27'	6'	33'
11	41'	0	41'
12	71'	0	71'
13	88.0	6	88
14	66	0	66'
15	60'	5	55'
16-A	80'	26	106
17	13'	0	23'
18	20'	0 '	20
19	33	15'	48
10	3 '	0	3
21	21'	8'	29
22	55 [′]	9'	63'
23	27'	4'	31
24	23'	0	IS E Gizel
25	56	8	AVR. 16 682
26	23'	10'	ET DES RESSOURCES
29	80'	40	ROUYN/20
29	25'	0	95
	To	TAL FOOTAGE DRI	LLED 1531

LARGE DIAMETER DRILLING PROGRAMME (VILLE-MARIE)