

42403NW0002 2.10492 MCARTHUR

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REPORT ON OVERBURDEN DRILLING

ON THE

TRIPLE LAKE PROPERTY

IN

MCARTHUR TOWNSHIP

PORCUPINE MINING DIVISION

OF THE

DISTRICT OF TIMISKAMING

FOR

UNITED KINGDOM ENERGY INC.

RECEIVED

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MINING LANDS SECTION

W. Maarae

February 15, 1987

WEN William E. MacRae Geological Servic

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COMPILATION MAP

in back pocket

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INTRODUCTION

The Triple Lake property consists of 27 unpatented mining claims located in the southern part of McArthur Township, approximately 20 miles south of the city of Timmins.

Previous work indicated the presence of gold mineralization on the shore of Triple Lake which was first explored in the late 1920's. Diamond drilling by Lacana in 1981 encountered low but anomalous gold values.

Line cutting, mag., VLF-EM, and geological surveys were completed in the summer of 1986. The geophysical surveys indicated 20 anomalies which require further testing. The geological survey indicated several areas that are environmentally favorable for gold mineralization.

The reverse circulation program carried out in October, 1986 completed 21 holes with 6 holes returning anomalous values. The anomalous holes were all located on the west side of the property away from known mineralization. The holes drilled near the mineralization on the eastern side of the property generally returned poor to no till or bedrock samples.

It is recommended that the known mineralized area be redrilled and a 4000 foot diamond drill program be carried out on the property.

LOCATION AND ACCESS

The Triple Lake property is located near the southwest corner of McArthur Township, District of Timiskaming. The claims are approximately 19 miles south of the center of the city of Timmins.

Access is via gravel, all-weather, forestry access roads, south from Pine Street in Timmins. A primary road crosses the southwestern portion of the claim group and a secondary road crosses the east central portion of the property.



Figure 1. Location map, McArthur Township.

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PROPERTY

The Triple Lake property consists of twenty-seven (27) unpatented mining claims located in southwestern McArthur Township, Porcupine Mining Division. The claims are owned 100% by United Kingdom Energy Inc. of Vancouver, B.C.. A tabulation of these claims is presented below:

<u>Claim No.</u>	Recording Date	Minimum Assess. Work Required	<u>Assessment</u> Due Date
P-832340	October 30, 1985	20	October 30, 1986
P-832341	October 30, 1985	20	October 30, 1986
P-832342	October 30, 1985	, 20	October 30, 1986
P-833271	October 12, 1984	40	October 12, 1986
P-833272	October 12, 1984	40	October 12, 1986
P-833273	October 12, 1984	40	October 12, 1986
P-849080	August 12, 1985	20	August 12, 1986
P-849081	August 12, 1985	20	August 12, 1986
P-849082	August 12, 1985	20	August 12, 1986
P-849083	August 12, 1985	20	August 12, 1986
P-849084	August 12, 1985	20	August 12, 1986
P-849085	August 12, 1985	20	August 12, 1986
P-849086	August 12, 1985	20	August 12, 1986
P-866602	July 19, 1985	20	July 19, 1986
P-866603	July 19, 1985	20	July 19, 1986
P-866604	July 19, 1985	20	July 19, 1986
P-867012	August 16, 1985	20	August 16, 1986
P-867013	August 16, 1985	20	August 16, 1986
P-867014	August 16, 1985	20	August 16, 1986
P-867015	August 16, 1985	20	August 16, 1986
P-867256	August 12, 1985	20	August 12, 1986
P-867257	August 12, 1985	, 20	August 12, 1986
P-867258	August 12, 1985 \cdots	20	August 12, 1986
P-867259	August 12, 1985	20	August 12, 1986
P-867260	August 12, 1985	20	August 12, 1986
P-867261	August 12, 1985	20	August 12, 1986
P-867262	August 12, 1985	20	August 12, 1986

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Figure 3. Claim location map (1" = 0.5 miles).

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HISTORY

Prior to 1926, John Spence discovered a piece of quartz on the shore of Triple Lake. Mr. Spence dug into the bank uncovering a quartz vein. By 1926, a six foot pit had been sunk on the vein which strikes N50E and dips 60 degrees south. A 55 foot shaft was sunk on the vein by 1932, by Triple Lake Gold Mines Limited, with the vein reported passing out of the shaft at 20 feet vertical depth. The vein was also explored by two diamond drill holes. In 1932, Triple Lake Porcupine Gold Mines Limited shipped 155 tons of ore that returned them \$2738.00. The Triple Lake Porcupine Gold Mines Limited property is almost completely within the present Triple Lake property (Figure 3).

In 1926, there were two claims just north of the southern boundary of McArthur Township called the Lokner claims. This same area was covered by nine claims held by A. Hubert and G. Thomas in 1959 (Figure 3). They reported several veins returning up to 2.06 oz./ton Au from spotty mineralization.

In 1979, Westfield Minerals Limited held 41 unpatented claims on the east and north sides of the Triple Lake property (Figure 3). Westfield completed magnetometer, VLF-EM and geological surveys on the property in August and September of 1979. One area was recommended for further exploration, but no further work is reported.

Lacana Mining Corporation, in 1981, held 6 claims within the present property (Figure 3). Sampling, geological mapping, trenching, magnetometer, VLF-EM, and MaxMin II surveys were completed during 1981. Sampling of the main guartz vein returned assays of up to 0.8 oz./ton Au over 3 feet and 1 oz./ton Ag. The old shaft was dewatered, but before sampling could be done the Ministry of Natural Resources filled the shaft with gravel. In 1982, Lacana drilled 5 diamond drill holes totalling 1393 feet. Hole MC-1-82, drilled below the shaft intersected mineralized material, but when assayed only returned 0.01 oz./ton Au over 3.5 feet. There was significant sub parallel fracturing in the hole indicating that the hole may have been drilled along a fault zone thus obscuring the mineralized zone. Holes MC-2, -3, -4, and -5-82 were drilled to test the western extension of the shaft zone. The following table lists the significant assays from the above drilling program:

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Hole #	Footage	Length	Au oz./ton
MC-1-82		3.5'	0.01
MC-2-82	47' - 49'	2.0'	0.016
MC-3-82	78' - 88'	10.01	0.02
	148' - 158'	10.0'	0.012
MC-4-82	103' - 108'	5.0'	0.02
•	175' - 180'	5.0'	0.022
	185' - 190'	5.0'	0.04
	195' - 200'	5.0'	0.01

TABLE 2. SUMMARY OF LACANA DRILLING RESULTS

In March and April 1982, Mattagami Lake Exploration Limited cut grid and completed magnetometer and VLF-EM surveys over the northwestern portion of the present property. Numerous VLF-EM anomalies were indicated but no follow-up work reported.

The vendors of the property sampled the shaft area in July 1985, and obtained values of 0.127, 3.325, and 0.009 oz./ton Au from selected grab samples. The vendors also completed a VLF-EM survey over claims P-833271 to 73 inclusive on an east-west flagged grid.

AREA GEOLOGY

The area was first geologically mapped in 1912 by P. E. Hopkins for the Ontario Bureau of Mines. In 1927, E. L. Bruce mapped McArthur, Bartlett, Douglas, and Geikie Townships for the Ontario Department of Mines at a scale of 4 inches to 1 mile.

McArthur Township was also mapped at a scale of 1 inch to 1/4 mile in 1970 by D. R. Pyke. A final geological report was published in 1978, titled "Geology of the Redstone River Area" (GR161). Most of McArthur Township was also covered by Pyke in his "Peterlong Lake Area" Geological Report 171 published in 1978.

The bedrock in this area is all of Precambrian age with Pleistocene and Recent age deposits obscuring most of the area.

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Pillowed mafic metavolcanics are the oldest rocks and a maximum thickness of about 5,500 feet is exposed in the area. Intermediate to felsic metavolcanics overlie the mafic metavolcanics, have a thickness of about 13,000 feet; and mark the termination of the lowermost volcanic cycle recognized in the area. Intercalated iron formation is common in the central and upper parts of this unit. The initiation of a second cycle of vulcanism in the area is marked by the extrusion of ultramafic metavolcanics with a maximum thickness of about 5,000 feet. Approximately 12,000 feet of pillowed mafic metavolcanics overlie the ultramafic metavolcanics, and in turn are superseded by about 3,000 feet of intermediate to felsic metavolcanics marking the top of the exposed section.

A sill-like body of gabbro was emplaced along the mafic-intermediate to felsic metavolcanic contact of the lower volcanic cycle. Numerous gabbroic dikes traverse the overlying intermediate to felsic metavolcanics, and may in part represent feeders to the upper volcanic cycle.

Epizonal, trondhjemitic intrusions, of probable subvolcanic origin, form a number of small stocks near the contact of the two volcanic cycles in the area. Two large stocks of late tectonic granodiorite are largely enclosed by the upper volcanic cycle rocks.

Diabase dykes of Early, Middle, and Late Precambrian age traverse the area.

Most of the rocks in the area are part of a steeply dipping, northeast facing homoclinal sequance, located on the south limb of a synclinal structure. The synclinal axis trends northwest across the northern part of the area.

Regional metamorphism of the Early Precambrian volcanic and sedimentary rocks took place under greenschist facies conditions.

TABLE 3

LITHOLOGIC UNITS FOR MCARTHUR TOWNSHIP AREA

CENOZOIC

QUATERNARY

PLEISTOCENE AND RECENT Clay, sand, gravel, and swamp and stream deposits

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Unconformity

PRECAMBRIAN LATE PRECAMBRIAN MAFIC INTRUSIVE ROCKS Olivine diabase

> Intrusive Contact MIDDLE PRECAMBRIAN MAFIC INTRUSIVE ROCKS Quartz diabase

> Intrusive Contact EARLY PRECAMBRIAN (ARCHEAN) MAFIC INTRUSIVE ROCKS Diabase

> > Intrusive Contact FELSIC INTRUSIVE ROCKS Pyroxene amphibolite, forming marginal phase of monzonite; porphyritic granodiorite, quartz diorite; quartz diorite, diorite, granodiorite; trondhjemitic guartz-feldspar porphyry, trondhjemite

Intrusive Contact METAMORPHOSED MAFIC INTRUSIVE ROCKS Gabbro, quartz gabbro, anorthositic gabbro, pyroxenite

Intrusive Contact METAVOLCANICS AND METASEDIMENTS

METASEDIMENTS

Iron Formation, chert, siltstone

INTERMEDIATE TO FELSIC METAVOLCANICS Massive, largely unstratified tuff; tuff and lapilli tuff, breccia; intercalated massive fine-grained tuff and flows

MAFIC METAVOLCANICS

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Massive to well foliated flows, pillowed and variolitic flows, tuff and breccia, anphibolitized and layered or gneissic mafic metavolcanics

ULTRAMAFIC METAVOLCANICS

Massive, polysutered serpentinized flows, serpentinite sills (?), spinifex-textured flows, pyroclastics, carbonatized ultramafic rocks W-William E. MacRae Geological Services

PROPERTY GEOLOGY

The oldest unit on the property is a mafic volcanic that may belong to the upper part of the Deloro Group. This unit is massive to foliated flows with some interflow sediments and intercalated ultramafic flows. These mafic flows occur in the western and southwestern area of the claim group.

The mafic volcanics weather a light green color and are a medium to light green on a fresh surface. They occur as massive flows with brecciated flow contacts and as pillowed flows. The flows are non-magnetic and contain only minor sulphides.

The interflow sediments are tuffs or tuff-wackes that show vague layering. Sulphide rich zones occur within the these units as well as some graphite and chert.

The ultramafic volcanics were mapped in two stratigraphic positions within the mafic volcanics. The lower ultramafic is carbonatized to a "green carbonate" and occurs adjacent to the guartz diorite of the Peterlong Lake complex. The upper ultramafic is more massive and is probably a basaltic komatiite.

Overlying the mafic volcanic sequance is a felsic pyroclastic sequance containing coarse to fine fragmentals and intercalated banded iron formations. The felsic unit is exposed in the area of the shaft and in the northeast corner of the property.

The coarse pyroclastics contains fragments up to one foot in diameter that weather a whiter color than the matrix. Tuffs and lapilli tuffs occur in the northeastern part of the claim block. The tuffs are poorly bedded and contain minor sulphides.

A banded iron formation lies within the felsic unit in the northeastern part of the property. The iron formation is magnetic and contains up to 15% sulphides.

The mafic and felsic volcanics are cut by several quartz diorite bodies. The eastern diorite occurs just south of the shaft approximately 100 feet. The western body, which may be separate, occurs in the western portion of the group ...12 William E. MacRae Geological Services

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near the south boundary, but is similar in appearance to the eastern diorite. In the northwestern corner of the property is a quartz diorite that belongs to the marginal phase of the Peterlong Lake Complex. Another small diorite body or dyke occurs in the northeast corner of the property. All of the quartz diorites are very similar with grain size from medium to coarse and generally equigranular. Occasional quartz veining was noted and trace amounts of sulphides.

A granodiorite intrudes the western diorite and possibly the mafic volcanic unit. The granodiorite is medium to fine grained, a light pink in color, and contains up to 20% mafic minerals.

Another felsic intrusive cuts the mafic volcanics on the southern boundary near the southwestern corner of the property. The dyke is a feldspar porphyry that weathers white, is very fine grained, contains 10% pyrite, and 20% quartz veining.

Diabase dykes cut all other rock types in the area. Diabase was observed cutting the eastern diorite and felsic pyroclastics.

REVERSE CIRCULATION DRILLING PROGRAM

INTRODUCTION

The northern part of the area is largely covered by glacial lacustrine deposits of clay and fine sand, which were deposited in glacial lake Barlow-Ojibway, which covered a large part of northeastern Ontario during the Pleistocene Epoch.

Outwash deposits of sand and minor gravel extend into the northwestern part of McArthur Township. Deposits of sand and minor intercalated lenses of gravel are up to 80 feet thick as revealed in terraces flanking the Mountjoy River north of Triple Lake (Pyke, 1978).

A reverse circulation drilling program was completed over the property from October 22 to October 30, 1986. A total of 21 holes were drilled with an accumulated footage of 1659 feet. The logs for the holes are presented in Appendix II and the methodology is presented in Appendix I. The holes were targeted on geophysical anomalies particularly where there was favorable geology.

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RESULTS

The overburden cover in the locations drilled varies from 10 to 220 feet and consists predominantly of a fine grained gray sand with minor beds of gray clay. Holes 1, 2, 3, and parts of 4 and 5 gave very poor to no return. In general there was very little clay encountered with the most dominant unit a fine grained gray sand containing minor amounts of clay and pebbles. A gravel unit was encountered in the northwestern portion of the property in three holes, 15, 16, and 17. The gravel unit is separated from the till by a sand unit. No till was encountered in holes 5 and 11 with holes 1, 12, 13, 14, and 18 having a foot or less of till.

The following is a summary of the drilling and assaying:

TABLE 4. OVERBURDEN ASSAY RESULTS

, HOLE	LOCATION	DEPTH	SAMPLE #	<u>Au ppb</u>	DESCRIPTION
1	1600E/2830N	י 57	1-A	Nil	Till
			1-B	Nil ·	Bedrock
2	1200E/2315N	47'	No Sa	mples	
3	800E/775N	94'	No Sa	mples	
4	800E/25N	124'	4-A	50	Till
			4-B	Nil	Bedrock
. 5	0/250S	. 84'	5-A	Nil	Bedrock
6	1200E/800S	224'	6-A	Nil	Till
	•		6-B	470	Till
			6-C	NII	Bedrock
7	2400E/1065N	42'	7-A	230	Till
			7-B	Nil	Boulder
			7-C	460	Till
			7-D	Nil	Till
			7-E	NII	Bedrock
8	BL/3120E	22'	8-A	165	Till
			8-B	40	Till
			8-C	Nil	Bedrock
9	3600E/475S	22'	9-A	145	Till
			9-B	Nil	Bedrock
10	4000E/875S	20'	10-A	330	Till "
			10-в	140	• Till •
			10-C	Nil	Bedrock
11	0/18509	74	11-A	Nil	Bedrock
12	400W/1900S	82'	12-A	720	Till
			12-B	NII .	Bedrock
1.3	12008/26508	861	13-A	2325	Till
	·		13-B	NIL	Bedrock
		•			

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HOLE	LOCATION	<u>DEPTH</u>	SAMPLE #	Au ppb	DESCRIPTION
14	800W/32255	60'	14-A	Nil	Till
1 6	2745472400		14-B	, NI1	Bedrock
12	2/45W/34UU	18 157	· 15-A	NOT A	ssayed
			15-8	NOT A	ssayed
			15-C	Not A	ssayeu
			15-E	Not A	ssaved .
			15-F	Not A	ssaved
			15-G	Not A	ssaved
			15-H	Not A	sayed
			15-I	Not As	ssayed
			15-J	Not A	sayed
			15-K	Not As	ssayed
			15-L	Not A	ssayed 👘
			15-M	Not As	ssayed
			15-N	Not A	ssayed
			15-0	50	Till
			15-P	130	T111
			15-0	NIL	TILL
			15-R	80	TILL
	,			020 N11	7111
			15-1	NII	Pedrock
16	3250W/4250	9 1201	16-A	Not	aaved beuruch
	• • • • • • • • • • • • • •		16-B	70	711
	, .		16-C	170	TIII
			16-D	^{ap} 2000	Till
			16-E	NII	Till
			16-F	Nil	Bedrock
.7	2000W/4300S	150'	17-A	Not A	ssayed
			17-B	Not A	ssayed
			17-C	Not As	ssayed
	·		17-D	Not A	ssayed
			17-E	NOT A	sayed
			17-8	350	Gravel
			17-1	N11	GIAVEL
			17-1	1095	ጥነንገ
			17-J	375	T11
			17-К	1435	Till
			17-L	310	Till
			17-M	170	Till
			17-N	Nil	Bedrock
18	2000W/5950S	18'	18-A	Nil	• Till?
			18-B	Nil	Bedrock
19	1200W/4525S	94'	19-A	410	Till
			19-B	80	Till
			19-C	N11	Bedrock
20	800W/4500S	71 '	20-A	45	T111
			20-B	140	TIIL
21	10000/47000	261	20-C 21_≯	N11 1300 <i>e</i>	Bearock
4 L	12001/9/008	20	21-A 21-D	12073 N(1	1111 <i>1</i> m111
		•	21-0	1711. N { 1	Bedroeb
		•	21-V	** * *	perfocy .



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Heavy mineral concentrates were prepared from most till samples with the process described in Appendix I. From personal experience in the Timmins area it is felt that a background of 300 ppb Au can be used for heavy mineral concentrates. Values between 300 and 1000 ppb Au are considered as anomalous and values over 1000 ppb Au are highly anomalous. Using this criteria of 40 samples 9 are anomalous and 5 are highly anomalous.

Anomalous samples occur in holes 6, 7, 10, 12, 15, 17, and 19. Highly anomalous samples occur in holes 13, 16, 17, and 21. Holes 6 and 7 are down ice from possible eastern extensions of the mineralization exposed at the old shaft and hole 10 is in an area where a major east-west shear may occur. Holes 12, 13, and 15 occur on east-west trending anomalies N and Q outlined in the geophysical report by Jensen dated September, 1986. Holes 16, 17, 19, and 21 lie on northwest trending anomalies R and S.

CONCLUSIONS

There is an indication from holes 6 and 7 that there may be mineralization east of the shaft if better samples can be obtained. Hole 10 gave a slightly anomalous value in an area that may have a shear zone in mafic volcanics.

On the western portion of the property two anomalous trends of overburden holes exist the first is an east west trend that is in gabbros and mafic volcanics. The second trend follows a northwest trending pair of VLF-EM anomalies which strike into a large roadside outcrop of highly altered volcanics.

RECOMMENDATIONS

I am recommending that additional reverse circulation drilling be completed on the eastern portion of the property in order to confirm the eastern extension of the known mineralization. Due to the difficulty in obtaining samples it may take up to 8 days to complete the reverse program.

In addition to the reverse circulation drilling a 4000 foot diamond drilling program is recommended. Following is a summary of the proposed drilling; WEN William E. MacRae Geological Services

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TABLE 5. PROPOSED DIAMOND DRILL LOCATIONS

Hole	Location	Dip	Azimuth	<u>Length</u>
1	1880W/4750S	-50	35	8001
- 2	1200W/4630s	-50	35	5001
3	1200W/2750S	-50	35	3001
4	3200W/4400s	-50	35	5001
5	170E/400S	-50	355	5001
6	4080E/970S	-50	0	400'

The remaining 1000 feet of drilling is not allocated but will be when the results of the reverse program are known.

ESTIMATED COST OF RECOMMENDED PROGRAM

The estimated costs for the recommended Phase III program are:

Reverse Circulation Drilling 8 days @ \$2500/day	\$20000.00
Diamond Drilling 4000' @ \$25/foot	\$100000.00
Supervision 34 days @ \$325/day	\$11050.00
Transportation	\$1200.00
Assaying	\$2000.00
Report	<u>\$3000.00</u>

SUB-TOTAL

\$137250.00

Contingencies @ 10% .

\$13725.00

TOTAL

\$150975.00

Respectfully submitted

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Qual: 2,3027

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CERTIFICATE

With reference to my Report on Overburden Drilling for United Kingdom Energy Inc. dated February 15, 1987:

I, William E. MacRAE, of the city of Timmins, Ontario, do hereby certify and state that:

- I have graduated from Lakehead University with the degree of Bachelor of Science (Honours) in 1975 and have obtained the degree of Masters of Science from McMaster University in 1982;
- (2) I have practiced my profession continuously for the past seven years;
- (3) I am a fellow of the Geological Association of Canada, a member of the Canadian Institute of Mining and Metallurgy, and a member of the Prospectors and Developers Association of Canada (President of the Porcupine Branch);
- (4) I have no interest, direct or indirect, in the mining claims comprising the properties described in this report nor do I expect to receive any; and
- (5) this report is based on assessment file information, personal experience in the area, and direct supervision of the program herein described.

Dated this 15th day of February, 1987 Timmins, Ontario.

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W. MACRAE, M. Sc. Consulting Geologist

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REVERSE CIRCULATION METHODOLOGY

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REVERSE CIRCULATION OVERBURDEN DRILLING

The drill equipment utilized consisted of a hydraulic drill mounted on skids and enclosed in a steel shack. The drill was moved by a rubber tired Timberjack skidder. Water required for the drilling was supplied from a skid mounted storage tank with a capacity of roughly 2000 gallons. Sample return is achieved by forcing water and, if necessary, compressed air down the outer wall of a 7 cm diameter, 3 meter long dual tube drill rod to a tricone bit. Rock cuttings and overburden material are forced up the center of the rods to a cyclone collector where return is screened, logged, and sampled. A 10 mesh Tyler screen is used to separate coarse rock chips or pebbles during the logging process. Approximately 25% of the coarse chips are returned to the bucket, the remainder is discarded. Any clay encountered is usually discarded. Samples are collected at intervals of 1 to 2 meters depending on material encountered. All samples other than clay are kept, with generally only the coarse gravel/till units sent for processing. A schematic illustration of the drilling method is given in Figure I-1.



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LABORATORY PROCESSING OF SAMPLES

All tills/gravels are sent to an overburden lab for processing. At the lab, samples are passed through a 10 mesh screen, the -10 mesh fraction is then passed over a shaking table where a gold grain count is made and the heavy minerals are separate for heavy liquid separation using Methylene lodide SG 3.3. The >SG 3.3 is dried, the magnetic portion is separated and a 3/4 split of the remaining material is sent for assay. A portion of the bedrock chips are sent directly to an assay lab for an Au assay.

APPENDIX II DRILL LOGS

DATE <u>22/10/86</u> TRICONE <u>688229/</u> LOGGED BY <u>60. Moefee</u> START TIME <u>3:25 pm</u>

LOCATION LIGE /28+30 N HOLE NO. 72-08-86-1 TOTAL DEPTH 57 feet FINISH TIME H: 12 PM

		LE		ASSAYS					
	H B B B B B B B B B B B B B B B B B B B		AJ Ab						
			0-4' organics						
'10 -		-							
20 -		• • • •	4'- \$7.5' No Return						
30 -									
40 -		- - - - - - - - -			-				
50 -		-	51.5.52.0' Till: Minar	.1.1					
60 _	7/17	-B	52'- 57' Bedroch - doch green-yellow in color - returns as clay - changes to doch green - brow	N:7 N:1					
70-		· · · · · · · · · · ·	- Ultre mofie . 57' End of Hole						
80-									
90				•					
100 -		• • •					- - - -		
					j 				

DATE <u>23/10/86</u>. TRICONE <u>0882291</u> LOGGED BY<u>W.MacPas</u> START TIME <u>8:30 Am</u>

HOLE NO. <u>72-08-86-2</u> TOTAL DEPTH <u>47'</u>

LOCATION LIZE /23+ISN

FINISH TIME 10:30 pm.



DATE 23/ 10/86. TRICONE CB 82291 LOGGED BY W. M . Rea START TIME //:23 AM

LOCATION LBE/ 7+75N HOLE NO. TL-08- 86-3 94' TOTAL DEPTH_ FINISH TIME_

12120 PM



DATE 23/10/86 TRICONE # <u>C.8.82291</u> LOGGED BY <u>W. Mac Par</u> START TIME <u>1:01 PM</u>

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LOCATION <u>L BE / 0+25 N</u> HOLE NO. <u>TL- 0B- 86 - 4</u> TOTAL DEPTH <u>/24'</u> FINISH TIME <u>2:58 PM</u>

H E			ASEAYS						
TIN FE	GRAD	SAMPT NO.	DESCRIPTIVE LOG						
-		•	0-10' No Return						
J.O			10' - 34' Fine grained gray Sand with mina clay.		-				
20 -									
30 -		- - - - -							•
40 -			34'-44' NoRetur						
50 -			44'-54' Fine grained gray sand with miner clay.				:		
60 -		-	54' 64' No Return						
									•
70-			64' - 108' Fine grained gray sand						· · · ·
80-									
90-									
100-									

DATE	
TRICONE #	
LOGGED BY	
START TIME	

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HOLE NO. <u>TL-OB-B6-4</u> (Con[.]C) TOTAL DEPTH_____

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			A:	SSAY8	5 +	- 1	
GRA SAM	/ DESCRIPTIVE LOG	eeb				-	
10 - 0.000	108'- 119' Till motiv: fine grained gray dand claste: 80% volcanic + sediment, 15% grainte, 5% guentz.	50					
20	119'- 124' Brayock - light green speckled with dat green in color - altread mofile volcanie.	N;)					
30	124' End of Hole						
40-							
0					,		
0-							
0					•		
0							

DATE <u>24/10/86</u> TRICONE <u>3776</u> LOGGED BY <u>W.M. R. R.</u> START TIME <u>1:10 PM</u>

FINISH TIME Q:06 PM



DATE 24/10/86 TRICONE 1_3776____ LOGGED BY W. Marke START TIME 3:00 PM

LOCATION LIDE / B+005 HOLE NO. TL-08-86-6 TOTAL DEPTH 224'

FINISH TIME 5:00PM

ETC RVAI	EE .			A	SAY	3		
GRAD	SAMP. NO	DESCRIPTIVE LOG						
		a d' il O turn						
		0-13 No Record						
	-							.
		13'- 158' Fine grained ever day build	-					
		mina clay						
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			DESCRIPTIVE LOG 0-B' No Raturn 13'- 15B' June primel pay dand with mine alay	DESCRIPTIVE LOG 0-B' N. Raturn 13'- 158' June prinel gray candwidd min elay	DESCRIPTIVE LOG	BERNIPTIVE LOG	ABBAYS DESCRIPTIVE LOG 0-B' No Return 13'- 158' June prined proy carduidd min elay	ASSAYS DESCRIPTIVE LOG 0-3' N. Return 13'- 158' June grand gay and wild mine alay

REVERSE CIRCULATION DRILL HOLE LOG LOCATION

DATE . TRICONE 🛊 LOGGED BY •

START TIME

HOLE NO. TL-03- B6-6 (Cont) TOTAL DEPTH

FINISH TIME



DATE	·
TRICONE #	
LOGGED BY	
START TIME	

HOLE NO. <u>TL - OB - 86 - 6 (Con't)</u> TOTAL DEPTH FINISH TIME

目日	U H H H	LE L			A	SAYS	;		
DEN EN	GRAD	ILINTE SAMP	DESCRIPTIVE LOG	AU					
	000	A		N:)	·				
	0,~	3 -	204-214' No action						
9 10 -		_							
L _0			214'-220' Till					•	
	0.	B	Very Poor return.	470					
1 50 -	Ö.								
		C	220'- 224' Bedioch	N:1					
-			- light green allered mafie						
2 30 -			Valcanie						
			- very poor return						
-									
40 -			224' End of Hole						
			· · ·						
50 -	1					, ·			
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60 -							·		
70-									
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80						-			
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90-									
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100 -									
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DATE <u>25/10/46</u>. TRICONE <u>3776</u> LOGGED BY <u>W.M. Pos</u> START TIME <u>9:00 Am</u> LOCATION $\angle 2\sqrt{6} / 10 + 65 \text{ M}$ HOLE NO. $\underline{71 - 08 - 86 - 7}$ TOTAL DEPTH $\angle 42 \text{ fact.}$ FINISH TIME 9:37 AM

р Ц	TE TA	•	Τ	A	SSAYE	3	6 8 .4.6.2.2.
	GRAE LINTE SAMP	DESCRIPTIVE LOG	AU PP6				,
10 -		0:13' Fine grained gray sound with minor chay and pethles.					
20 -	0.0.0.0	13'-22' Till motiv: fire grained gray sound clasto: - 50% volcamie + Sediments 40% grain to, 10% others 22'-25' Boulder	230			-	X
30 -		- hight green in color - canton's some resty maken' 25'- 34' Till motion: fine grand gray doub clastor 60'6 Volenic VSediento 34'- 36'- 30% grante, 5% grants, 5% others	N i 1 460				
- h0		Molin' - fine granned gran sand Clasts: 702 gallers, 10% grante, 10% gusts 10% other 36'-42' Bedroch - hight grann in colon. - 10% an atime is at Tradille	N:1 N:1				
50 -		- mich silphilis - Galilie 40' End of Hole					
60 -							
70-					-	•	
80-							
90 -							
100 -							

DATE 25/10/86 . TRICONE 1 37710 LOGGED BY W. MacRoi START TIME //:13 Am

HOLE NO. <u>TL-OB-86-8</u> TOTAL DEPTH <u>22 Feet</u> FINISH TIME <u>11:40 AM</u>

LOCATION BL /3/+20E

DESCRIPTIVE LOG DESCRIPTIVE LOG 0-5' probably dand - no retur 8'-14' Till motif: - fine provide gray said claster. 60% volcanic + sediment 302 gravite, 102 other 14'-18' Till motif: - fine graved gray dand claster: 60% galbro, 20% volcanic + sediment 10' goods; 10% others 18'-22' Bedroch - medium gravied gabbro - mine viewing

22' End of Hole .

HI FEFTH

10-00

20

30 -

40-

50 -

60 -

70-

80.

90 -

100 -

GRAPHI LOG SAMPLE NO.

- A

B

C

DATE 25/10/96 TRICONE # 3776 LOGGED BY US, MacRos START TIME (2:33 PM LOCATION <u>L366 /4+755</u> HOLE NO. <u>TL-OB-86-9</u> TOTAL DEPTH <u>22 S-4</u> FINISH TIME <u>12:57 PM</u>

•

	U L L	RVAT				A	SAYS		
DEP DEP	GRAD	SAMP	0E	DESCRIPTIVE LOG	AJ PPb				
. 10 -	10	-	۵	0-13' No Feturn 13'-17' Till moty: - fine grained gray davd clouts: - 40% volcanic + Sedment, 40% grainte	145				
20 -			B	17'-22' Bedroch - medin praimed gabilico - minor fulphides	Nil				•
30 -		· · · · · ·		22' End of Hole					
ų0 - ا									
50 -		و المعد المحد و الم							
60_						а. 1917 — А.			
70-									
80-									
90									
100		-							
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DATE 27/10/96TRICONE 3776LOGGED BY $W, M \sim C$ START TIME 9:47Am LOCATION <u>LHOE B+755</u> HOLE NO.<u>TL-OR-B6-10</u> TOTAL DEPTH <u>20 feet</u>. FINISH TIME <u>10:13A4</u>

HH	TC SVAT	4			A	SSAYS		<u> </u>
DEP	GRAF	NO	DESCRIPTIVE LOG	AU PPb				
- 10 		. А В С	0-6' No retur 6'- 16' Till mativ:- gray sandy clay clusts:- 40% volcanic + sadinite, 40% grainte 20% other. - 70% gritty clay ballo 16'- 20' Bedroch - dach green mofile volcanic - up to 20% manans ining	330 140 N:1				
30 -			20' End of Hole					
40 -								
50		-						
60 -								
70-								
80-		-						
90 -								
100 -		-						•

DATE 28/10/86 TRICONE 3776 LOGGED BY 0. H ~ Rus START TIME 8: 20 Am

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LOCATION <u>LO/18+535</u> HOLE NO. <u>TL-08 - 86 - 11</u> TOTAL DEPTH <u>74 feet</u> FINISH TIME <u>8:57 Art</u>

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	GRAD	SAMP1 NO.	DESCRIPTIVE LOG	Au					
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ⁱ 10 -		-							
		<u>.</u>							
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20 -		-					,		
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		ł	0 - 68' Fine ground gray sond with						
30 -		-	min elay und peppeles						
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40 -			· ·						
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60 -	, ,								
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70-	7777		68'-74' Bedroch				.		
10-		A	- doch gren in colon	NI					
-		[- meden grand gablico - 5 % Siscementel printe		-				
80			74' End of Hole						
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90									
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100 -							1		
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DATE <u>28/10/86</u> TRICONE <u>3776</u> LOGGED BY (1), Mar Ray START TIME <u>9:19 Art</u>

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LOCATION $L 4\omega/191005$ HOLE NO. TL - OB - 86 - 12TOTAL DEPTH B2 Sect FINISH TIME 10111 AM

n H	Ы,	(VAI)	щ			λ	SSNYS	; ;	
	JEA B	NTEE	SAMPI NO.	DESCRIPTIVE LOG	AJ	1			
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20 -			•	nina chay and publics.					
30 -									
1 ₁₀			· · · · · · · · · · · · · · · · · · ·						
50 -				· · · · ·					
60 -									
70-	7777	· .	A	76-765 Till 76.5-82' Bedrock	720				
80- 90-		44		- light to melingren in color - up to 10% pyrite - up to 10% quarts ung - medin grained galeles	N:1				
100 -	****			02 End of Hole					
				· · · · · · · · · · · · · · · · · · ·					

 LOCATION $L/2 \omega/26+50 S$ HOLE NO. T/2-0B-BB6-13TOTAL DEPTH B6 feet FINISH TIME 124/PH



DATE 28/10/96 TRICONE 1 327/ LOGGED BY 10 Mac Par START TIME 1:26PM LOCATION $\angle B\omega/32+255$ HOLE NO. $\underline{T2-0B-B6-14}$ TOTAL DEPTH <u>60 fact</u> FINISH TIME <u>2:10 pm</u>

	DII.	RVAT LE			λ	SSAYS	3	<u></u>
ATA NI	GRAF	SAMP	DESCRIPTIVE LOG	AU				
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			0-14 No recom					
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			winder a in a sind and a shirth					
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30 -	7							
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40-		F						
•	5		44'- 54' Bouldus with possible sand					
	Q	ŀ	ατί.					
50 -	X	-						
	Jo	A	54'-55' T:11					
-	///	3	clasto 1- 70 % volcane + Sedmento	N 1				
60 -		Å.	20% granite , 10 % go other	Nil				
-			55-60 Bedroch	,				
			- Some manel					
70-		ŧ	15-20% pyrite					
· •			6 guards hering					
			60' End of Hole					
80-		-						
90 -		-	· · · · ·					
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100		F						

e

REVERSE CIRCULATION DRILL HOLE LOG DATE <u>28/10/86</u> LOCATION <u>127145w/345</u> TRICONE # <u>377/</u> HOLE NO. <u>72-08-86-15</u> LOGGED BY W. Marken TOTAL DEPTH <u>157 fut</u>.

START TIME 3:27 PM FINISH TIME 6:35 PM

FEE DHIC PLE 0.		٨	SSAY	5		
A LINI	DESCRIPTIVE LOG					
	0-23' No Return.					
0						
O.P.A	23'- 34 Grouel matrix: - brown & gray sound		ж. Полого			
О.Ч. В	clusts: - 30 % volcanie + sedment -60% grante, 10% others			-		
	34'-64' Fine grained gray sand with Relifies and clay					
				-		
		·				
						1
0.000	64'- 74' Till mating :- fine grained gray sand					
0.01 0.01	Chasto: - BD% volcanie + Sediment 15% granite, 5% others 74'-79' Till			•		
E O	Mating :- fine grained gray and claster - 70% volcanie + Sednients					
O O O	79'- 104' Till/Gravel					
0.0	Motif !- Buigrand gray dand clarts: 50% Valean & + Sedments 40% graint 10% 27/					-
0 U T	0 · · · · · · · · · · · · · · · · · · ·					
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DATE	
TRICONE	
LOGGED BY	

START TIME

LOCATION HOLE NO. TL-08-86-15 (Con't) TOTAL DEPTH FINISH TIME

<u>ы Ы</u>	ម្ព	Б			24	SSAVE		
DEPT N FEI	EAD!	AMPLA NO.	DESCRIPTIVE LOG	AU				
- 8_	0,°			<u>ееь</u>				
	\dot{o}_{e}^{0}		104'- 113' Sandy Till motivis this around from and					
	О,	JK	closts: 50% Volcanie + Sedimento					
11.0 -	0	₹-L	113's 1111 5' a think , 20% a thus					
	8	4	mod'					
	ф.	M	114.5'- 119 Gritty Clay Till					
120 -	<u></u>	4 J	Hoto: - 50% Val can't sainent					
			frank , 10% others					
- - -	\mathcal{O}	10	119 - 140 Grilly Clay Till	50				
130 -	0.0	4	chesto: 10% & rith from day					
	Ö		40% prainte, 10% other	130				
		19		N:1				
140-	0.	4	notific 20th and Till					
	0. .0	₹ R	closte: 50% volcanic + some to	80				
-	000	s	144'- 147.5' -T:11	820				
150-	0	T	Motif :- fine grained gray dand	.r.l				
	÷97	} }	10% others	W•1				
-		ţu	matives fine ground and	N:1			•	
160-		Ŀ	clasts: 75% volcanie + Sediment					
		ł	152's 152' 2 hours , 5 % others					
-		F	131 Bedrock					
170-		Ĺ	- mapie und in preus in als				•	
, , , ,		ł	, voreance					
-		ł	157' End of Hola					
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DATE <u>9/10/86</u> TRICONE <u>3771</u> LOGGED BY<u>W. Mac Res</u> START TIME <u>10:36 AM</u>

 HOLE NO.
 72-08-86-76

 TOTAL DEPTH
 120
 Rack.

 FINISH TIME
 12:46
 PM

LOCATION 132+ 50 w/42+505

F H) HIC	TLE VA			A	SAYS			
	GRAE	EAME NO	DESCRIPTIVE LOG	AU Perb					
- 10 -			0-14' No return				-		•
20 -			14'- 34' Fine grained liven togray and						
30 -									
40-	0.0.00	A	34'-44' Grand mating: fix knowth gray sand class: 60% prainte, 20% valenie + Sedinat 20% other						
50 -			44'- 82' Fine grained gray land						
60 -									
70-							•		
80-	Ô.		82'- 84' Gravel mety:- pay and claste:- 60% grante, 20% others					-	
90		-	84' - 98' Fine grained gray dane						
100	<u>o</u> l	в	98'- 109' T: 11 motrif :- fin grained gray dand clasts: - 75% volcanic + Sedinate 20% grainte, 5% other						- - -

DATE	
TRICONE #	
LOGGED BY	
START TIME	

LOCATION HOLE NO. <u>TL-OB-86-16 (Cm't</u>) TOTAL DEPTH

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FINISH TIME_____

1 8				At	SAYS		
	LUTE SAMP NO	DESCRIPTIVE LOG	AU				
5 <u>0100000000000000000000000000000000000</u>	BCA	109'-115' Till matig:- fine grained gray dand choto:- 80% volcanic + Sudment 15% graniete, 5% others	70 170 2000				
20	e F	115'- 120' Bedrock - dank preen in cala - time prained metic volcemie - 10% quant using - 5% pyrite	N:1 N:1			-	
30 -		120' End of Hole					
10 -							
i0							
- 0						- - -	
0-						• *	
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DATE <u>29/10/86</u> TRICONE <u>82290</u> LOGGED BY<u>W.M.C.C.</u> START TIME <u>2:15 PM</u>

HOLE NO. <u>TL-08-96-17</u> TOTAL DEPTH 150 Seet

LOCATION 620W/435

FINISH TIME 4120 PM.



DATE_____ TRICONE #_____ LOGGED BY_____

START TIME

HOLE NO. <u>TL-OB- B6 - 17 (con't</u>) TOTAL DEPTH

FINIS

FINISH TIME

FEET	DI DOL	VPLE VO	DESCRIPTIVE LOG	AJ	A	58778 	; 	I	
Ē,	en la	SA	95'-108' 7'	eek.	فقانان				
	OY	F	Cobles .						
-	D								
LO -	δ.		108'- 120' Gravel						
		4	close: 57 %	350					
-			120'- 124' Till						
0 -	0°	G	close fine ground gray sand	160	•				
	00	н	30% grant radiunt						÷.
	0		124'-129' Till 10% others						
	9	I	closes :- 70 %	1095					
i0 -	O	5	20 % granite, 10 % attus						
1 1			mating 11	375					
		K	Class; 60% ind gray dand	1435					
0 -	-0		30% granily 10% and						
•			144'- 1455 Till " & & & &	310					
-	<i>YII</i>		clasto: Box water in dand	170					
0 -	-	-	10 % grant 10 % of	1:1					
-			145.5- 158' Bedroch						
-		Ŀ	- meding ground gable						
50			- 10% frak wing						
			150' 5 0 0 0						
-			End of Hole						
0									
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DATE <u>30 /10 /86</u>. TRICONE <u>82290</u> LOGGED BY<u>W. M~Pat</u> START TIME <u>5:36 Am</u>

HOLE NO. TL-OB-86-18 TOTAL DEPTH 18 Saut FINISH TIME 8:58 AM

LOCATION 620W / 59+505

HIC EEE		9.		ASSAYS					
LN F.	GRAU	SAMP.	DESCRIPTIVE LOG	AU					
			0-12' No return	-					
10 -	777	R	& very snall sample of possible Till	N:1					
1		B	11'-18' Bedroch - doch green in color - King green in color	N:1					
- 02		-	minor sulphides						
-			18' End of Hole					Ţ	
30 -		-							
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DATE <u>30 / 10 / 86</u> TRICONE <u>52290</u> LOGGED BY <u>10 Marchas</u> START TIME <u>10:15 AH</u>

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HOLE NO. <u>TL - OB - 86 - 19</u> TOTAL DEPTH <u>94 feet</u>

LOCATION LIN / 45+255

FINISH TIME 11:09 AM

PIH FEET	DT DC	PLE			Ą	SAYS	3		
HA C	GRA	ENT SAM	DESCRIPTIVE LOG	-					
-			0.10' No Return.						
'10 -			10'- 60' Fine grained gray sand (poor return)						
20 -		-					· .		•
					-			-	
30							*		· · · ·
40-									
50 -								-	
60-									
			60-78' & Fine gravel grave dand with minin clay and petilles						
70-	. <u>1</u> .						•		•
80-	00000	A	18 - 39 Sandy Tall matin: 80% fire prairied pray sand class: 70% volcamic + Sediment 20% granite, 10% others	410					
90 -		B C	moting: - time grained gray sand clasts: - 80% valcamic + Sediment 15% granite, 5% others	80 N:1					
100 -			89' 94' Bedrock - Lack green in calor - fine grained making under						
			94' End of Hole						

DATE <u>30/10/96</u> TRICONE # <u>92390</u> LOGGED BY <u>(1), Mac Rac</u> START TIME <u>//:55 AM</u>

LOCATION <u>1 BW /455</u> HOLE NO. <u>7603-86-20</u> TOTAL DEPTH <u>71 feet</u> FINISH TIME <u>12:45 pm</u>

			ASSAYS						
DEP	GRAD	LINTE SAMP NO	DESCRIPTIVE LOG	AJ					
10 -			0 - 14 No setun						
10-									
-		F							
20 -									
			14'- 54.5' Time & and grow dond						``
-						19 A.			
30 -									
-									
h0-									
50 -		-	54.5'- 64' Till						
-	0.	¥.	mating :- 5 fine grained gray sand						
	Ő	A	clast: 55% volcanies + Sediments	45					
60	Ŏ		64-66 Till						
-	С О	В	matry :- fine grained gray sand						
70		c	5 % grante 154 curto	140					
10-		7	66'-71' Bedrack	Nil			• .		
-			- hight pink green speckled with						
80			- highly attend						
			- guard's stochusch (so %)						
-			TI' TI O III						
90 -		-	11 End of Hole						
•									
100 -		-							
İ									

DATE 30/ 10/86. TRICONE 1 82290 LOGGED BYW MacRue START TIME 1:30 PM

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LOCATION /	961475
HOLE NO. 74 -	08-86-21
TOTAL DEPTH	26 feet
FINISH TIME	JOS PH

E	ETC RVA	Щ.	ander and an		A	SAYS	; ;		i in the second
	GRAD	SAMP	DESCRIPTIVE LOG	AU					
· 10 -	0.0.0	A	0 - 14' Mina gravel in sand (Poor return)						
20 -	000	B	14-15:5 Boulder 15:5'-21' Till matrix:- fine ground groy deal Classo:- 70% Volcanie + Sedimente	N:1					
30 -			21'-26' Bedroch - don't green mofie volcame - 20% out a price volcame	N: (
40-			- miner Aulphides 26' End of Hole						•
50 -									
60 _				- - - - -					
70-					•		•		
80 -								-	
90-		-							
100-		-							

INVOICE

No: 86 - 26

December 19, 1986

CLIENT: United Kingdom Energy Inc. Suite 601, 470 Granville St. Vancouver, B.C. V6C 1V5

PROPERTY: Triple Lake, McArthur Township, Ont.

RE: Overburden Drilling Program

CHARGES	Drilling Charges	\$20003.24
	Sample Preparation	\$1311.72
	Assaying	\$556.50
	Helper 8 days @ \$75/day	\$600.00
	Transportation	\$600.00
	Consumable Supplies	\$100.00
	Supervision 12 days @ \$325/day	\$3900.00
	Report	<u>\$2000.00</u>

TOTAL AMOUNT DUE

\$29071.46

PAYMENT TO:

William E. MecRAE Geological Services P.O. Box 417 Timmins, Ontario P4N 7E3

Anvaice Raid in full Al Mar for

Respectfully submitted

W. MACRAE

Note: Payment due upon receipt.

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Ministry of Northern Developi and Mines



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Ministère du Développement du Nord et des Mines

November 5, 1987

Your File: 201/87 Our File: 2.10492

RECEIVED

Mining Recorder Ministry of Northern Development and Mines 60 Wilson Avenue Timmins, Ontario P4N 2S7

Dear Sir:

RE: Overburden Drilling and Data for Assaying submitted under Section 77(19) of the Mining Act R.S.O. 1980 on Mining Claim P 832340 et al in the Township of McArthur

The enclosed statement of assessment work credits for Assaying has been approved as of the above date.

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

Yours sincerely,

W.R. Cowan, Manager Mining Lands Section Mines and Minerals Branch

Whitney Block, Room 6610 Queen's Park Toronto, Ontario M7A 1W3

Telephone: (416) 965-4888

SH:pl Enclosure

cc: Resident Geologist Timmins, Ontario

> United Kingdom Energy Inc. P.O. Box 417 Timmins, Ontario P4N 7E3



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		File 2.10492
November 5,	1987	Mining Recorder's Report of Work No. 201/87

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