

# GM 44588

REPORT ON DIAMOND DRILLING, GREVET PROJECT Q-28

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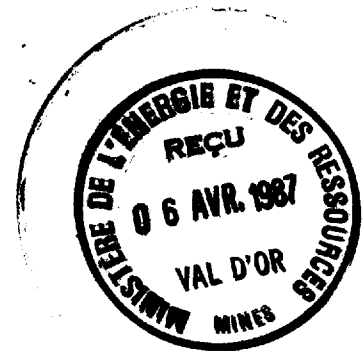
Québec 

Doc 129449

NTS 32F/2

SOCIETE EN COMMANDITE EXPLORATIONS KERY  
REPORT ON DIAMOND DRILLING  
PERFORMED ON THE  
GREVET PROJECT Q-28  
QUEVILLON AREA, QUEBEC

Ministère de l'Énergie et des Ressources  
Service de la Géoinformation  
Date: 5 JUIN 1987  
No G.M.: 44588



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1. SUMMARY AND RECOMMENDATIONS

A program of mapping and sampling was carried out on three road cuts as a limited investigation of the potential for stratabound gold mineralization on the Grevet property. No conductors or magnetic anomalies were present, and base metal mineralization was not an objective.

The northern contact of a quartz feldspar porphyry and an intermediate tuff was tested as was an ankerite rich basalt.

No significant results were returned from the assays. However strong ankeritic alteration and a quartz veining system in sheared basalts suggest a zone of major fluid migration.

A five hole diamond drill program, totalling 3598 feet, was undertaken on the Grevet claim group during September and October of 1986.

The drilling was undertaken as a follow-up to a program of line cutting, mapping and geophysical and geochemical surveys. The purpose was to assess the potential for gold and/or base metal mineralization.

Three holes were drilled on Grids A and C to test for stratabound mineralization within the boundary of quartz feldspar porphyry and felsic to intermediate tuff. Geophysical conductors were included as targets in two of the holes. The porphyry-tuff contact and possible conductive concentrations of sulphides were considered to be potential hosts for mineralization.

No encouraging results were received from this environment.

Two holes were drilled on Grid B to test for stratabound mineralization within mafic volcanics and intermediate tuffs. The main targets were electromagnetic conductors and magnetic anomalies as it was postulated that mineralization could be hosted by concentrations of sulphides giving a geophysical response.

A seven foot zone of massive pyrite and pyrrhotite was intersected but no significant results were returned.

Two areas remain in the eastern sector which contain or are on strike with known gold occurrences.

The Mainville occurrence consists of a series of quartz veins within mafic volcanic flows. It is adjacent to an extensive northeast trending fault.

The second occurrence is hosted by a sequence of felsic volcanics and sediments containing numerous airborne conductors. This horizon extends along strike to the south boundary of the Grevet claim block where it is a potential host for gold and/or base metal mineralization.

A limited number of claims should be staked to extend our southern boundary to cover the felsic volcanic-sediment sequence.

Detailed line cutting, ground geophysics and mapping should be considered over the two potentially mineralized areas in the eastern sector of the property. The purpose would be to define targets for potential gold bearing quartz veins and shear structures or stratabound gold and/or base metal mineralization. A follow-up drill program would be possible if warranted.

The claims of the western sector, west of the Franquet-Grevet Township line, could be dropped as this area is considered to have a poor potential for economic deposits.

The property overall is considered to have a low to moderate potential for economic gold or base metal mineralization.

## 2. INTRODUCTION

### 2.1 LOCATION AND ACCESS

The Grevet property is located 15 km north of Lebel-sur-Quevillon, Abitibi East, Quebec.

It consists of 252 contiguous mining claims totalling 4405 hectares in Franquet and Grevet Townships. 232 claims were staked by Exploration Kerr Addison Inc. and 20 were purchased from Rolland Mainville.

The western part of the claim block is easily accessed from Highway 113. The Wedding River provides the best access to the eastern part. The Wedding River can be reached from Highway 113 or from logging roads leading north from the Domtar plant at Lebel-sur-Quevillon.

### 2.2 PHYSIOGRAPHY

The area is characterized by rolling terrain with overburden generally less than 15 meters in depth, occasionally reaching 50 meters.

Mature spruce and poplar are the predominant vegetation with local areas of scrub muskeg.

The Wedding River traverses the property from east to west and is easily navigable by canoe.



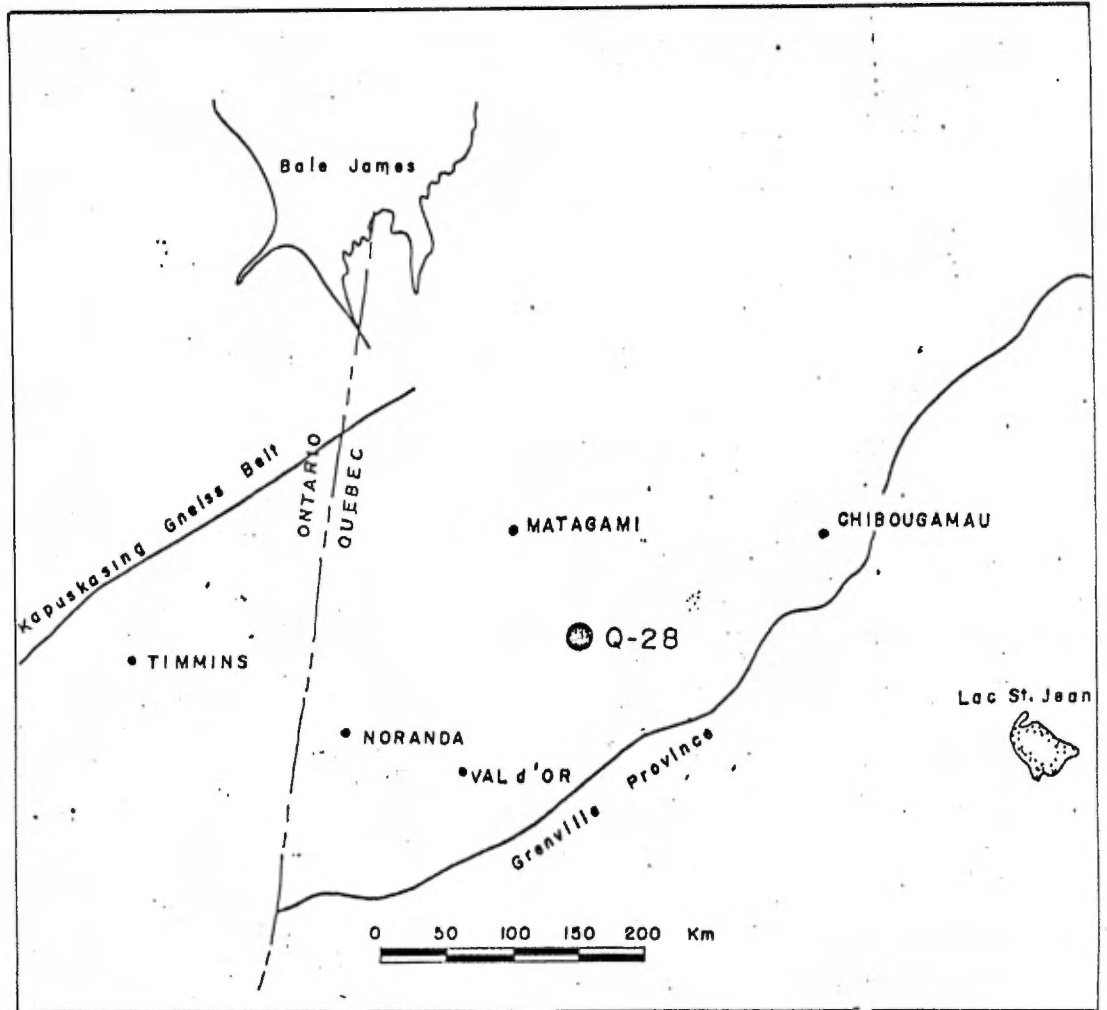


FIGURE I; Location Sketch from Compilation



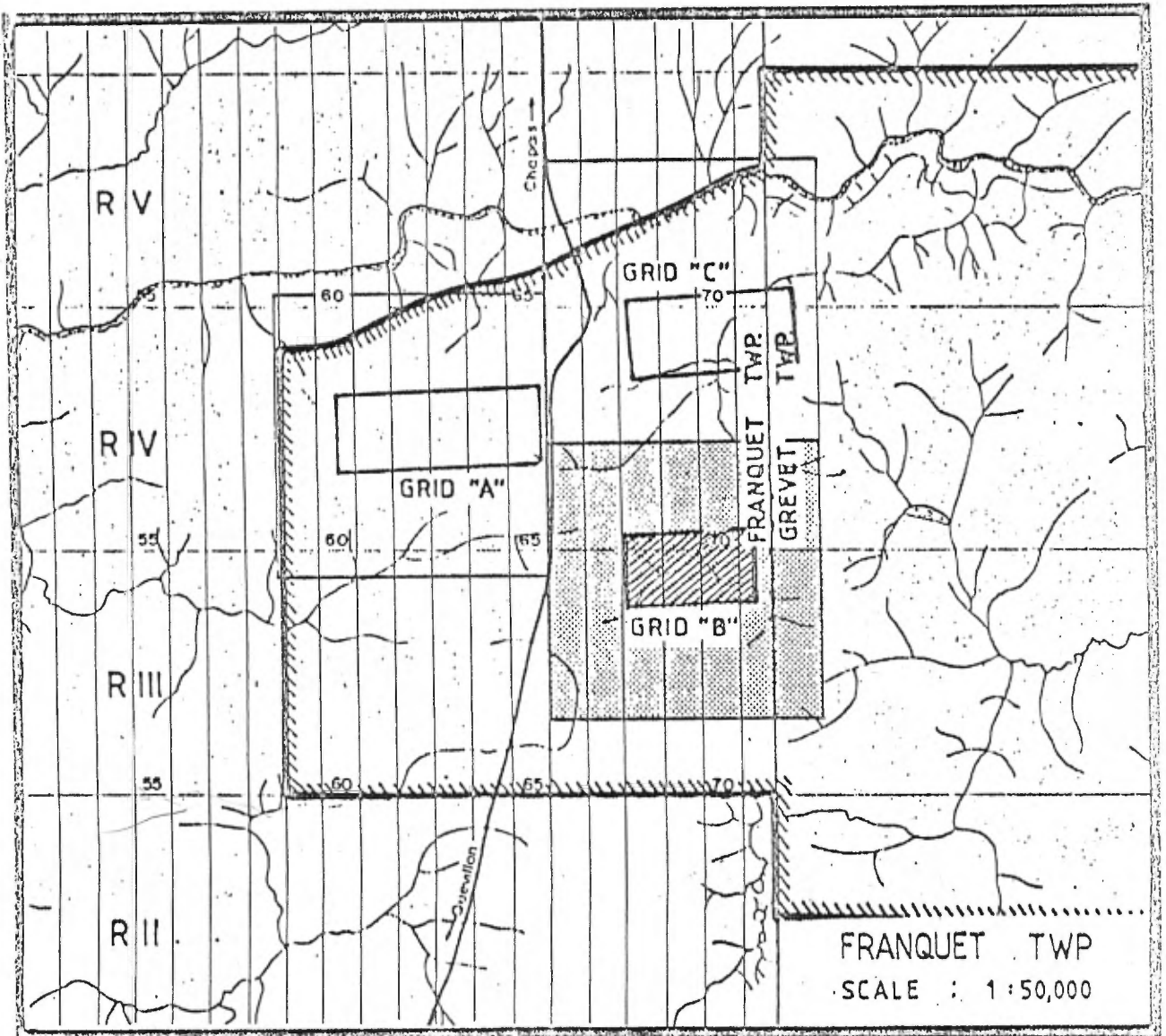


FIGURE 3: Grid Outline

## 2.3 PURPOSE AND SCOPE

The purpose of the exploration work performed was to investigate the gold and/or base metal potential of the western sector of the Grevet property.

This was a follow-up program to ground geophysical, geochemical and mapping surveys carried out previously. The areas of interest were three airborne electromagnetic conductors which were considered to have potential for mineralization.

### 2.3.1 GRID A

Grid A was situated to cover a zone of strong alteration related to the contact between a felsic to intermediate tuff horizon and a large felsic intrusive. A moderately strong electromagnetic conductor was associated with this contact.

It was postulated that the conductor may have been due to a concentration of sulphides providing a suitable environment for base metal or precious metal concentration.

### 2.3.2 GRID B

Grid B was situated to allow investigation of a strong electromagnetic conductor located within a sequence of mafic volcanic flows.

The conductor was considered to be a possible sulphide zone with potential for gold and/or base metal mineralization.

### 2.3.3 GRID C

Grid C was located to cover the same type of environment as was Grid A. A moderately strong airborne conductor was situated near the contact of a felsic intrusive and a felsic to intermediate tuff horizon. The grid was also proximal to a Cu, Au occurrence stratigraphically up dip to the north.

### 2.4 WORK COMPLETED

Work performed during the present exploration program has included mapping and sampling of road cuts and diamond drilling.

The mapping and rock sampling was undertaken on three road cuts along Highway 113 which exhibited geology favorable for hosting gold mineralization.

The purpose of the diamond drilling was to test geophysical anomalies within favorable geology or at geological contacts. It was postulated that gold would occur with conductive or magnetic concentrations of sulphides.

A total of 3598 feet (1097 meters) of drilling was completed in five holes on the property. The work was performed from September 20 to October 6, 1986 by Forage Moderne (1985) inc.

This report describes the results of the sampling and mapping of road cuts and the drilling program. It also includes recommendations for further work.

### 3. PREVIOUS WORK

Companies involved in the area previously have been Noranda Exploration, Selco Mining Corporation and Canadian Shield Mining Corporation.

Noranda and Selco are believed to have been exploring for massive sulphides as a follow-up to an airborne geophysical survey. At least one drill hole completed by Selco is known.

Canadian Shield Mining drilled three holes on the eastern part of Kerr's claim group with gold mineralization being the most possible target.

In 1985, Kerr Addison staked 232 claims and purchased an additional 20 to form a contiguous claim block. Airborne geophysical surveys, reconnaissance mapping and geochemical surveys were completed.

In July 1986, three detailed grids were cut over selected airborne anomalies in the western part of the property. HEM, magnetic, geological and geochemical surveys were completed. An additional reconnaissance mapping survey was completed over selected areas.

#### 4. REGIONAL GEOLOGY

Except for Proterozoic diabase the property is underlain by Archean rock of the Abitibi Greenstone belt of the Superior Province of the Canadian Shield. The property is located at the junction of four volcanic belts, the Normetal-Quevillon, Casa-Berardi-Currie, Shortt Lake-Bachelor Lake, and Barry-Quevillon Belts.

The volcanic rocks of the region have been intruded by granitic plugs. All rock types in turn have been intruded by diabase.

Major faults trend northeast and northwest.

##### 4.1 PROPERTY GEOLOGY

The north and south limits of the property are underlain by bands of felsic to intermediate volcanics interbedded with sediments and graphitic layers.

The north central portion is underlain by synvolcanic quartz porphyry and quartz feldspar porphyry intrusives. The north and east parts of this intrusive are weakly sheared and change from green in the west to gray to buff in the east. The southwest part of the intrusive is highly sheared and sericitized and is buff colored as seen along Highway 113.

All phases exhibit quartz eyes and occasional feldspar phenocrysts.

The south central portion of the property is underlain by mafic volcanics and pyroclastics. The mafic volcanics generally exhibited flow banding and locally pillow structures or shearing. They are commonly amygdaloidal and carbonitized. On the Mainville claims in the east quartz carbonate veinlets are common.

The pyroclastics are intermediate with narrow mafic or felsic bands.

Small granodiorite plugs are present in the centre of the property. A diabase dyke traverses the property from southwest to northeast.

The north and south volcanic bands converge to the east which indicates that the claim group straddles an east-west trending anticlinal fold structure.

Several faults trending northeast are present.

#### 4.1.1 GRID A

Grid A is underlain predominantly by a large quartz feldspar porphyry intrusive. This unit is green and massive to weakly sheared in the north and beige and intensely sheared in its southern portion.



In contact with the intrusive to the south is a highly sheared, beige felsic tuff with a porphyritic appearance similar to that of the intrusive.

South of the felsic tuff is a intermediate tuff with medium green color and weak schistosity.

#### 4.1.2 GRID B

Grid B is underlain by mafic volcanic flows and intermediate tuff. The flows are locally amygdaloidal and weakly schistose. The tuffs are strongly banded and display a weak schistosity.

#### 4.1.3 GRID C

Grid C is underlain predominantly by the two phases of the quartz feldspar porphyry, the green massive phase in the north and the beige, sheared phase in the south.

Separating the two phases is a felsic tuff. A large intermediate tuff appears in the northeast corner.

## 5. ROAD CUT PROGRAM

A program of mapping and systematic sampling was carried out on three road cuts along Highway 113 within the Grevet claim block. The exposures provided an opportunity to investigate interesting lithologies and contacts without the expense of diamond drill holes. They were designated the North, Central and South Road Cuts.

All exposures were continuously sampled along one side of the road in 1.5 meter intervals. Selective grab samples were taken. All samples were assayed for gold.

### 5.1 NORTH ROAD CUT

The North Road Cut lies on the interlayered contact of the north boundary of the quartz feldspar porphyry and an intermediate tuff. The quartz feldspar porphyry is pale green, fine grained and contains 10% quartz phenocrysts up to 3 mm in size. It is moderately sheared at  $075^{\circ}$  dipping  $80^{\circ}$  north. Several quartz ankerite tourmaline veins are present oriented at  $075^{\circ}$  dipping steeply south.

The intermediate tuff is dark to medium green but has a rusty brown weathered surface due to a low ankerite content. Up to 3% disseminated pyrite was noted. It is moderately sheared and locally banded.

A 30 cm gabbro dyke follows branching fracture planes oriented at 055° dipping 50° and 25° south.

The highest assay returned was 72 ppb Au from a quartz ankerite vein.

### 5.2 CENTRAL ROAD CUT

The central road cut is on strike with Grid A and lies within the quartz feldspar porphyry intrusive. The porphyry is beige, fine grained and contains up to 15% quartz phenocrysts. It is sericite rich and contains minor tourmaline needles on shear planes. Traces of pyrite are present. Numerous 5-10 cm quartz tourmaline veins are parallel to the intense, variable shearing in the rock. At the south end of the road cut, the orientation is 010° dipping 80° west. This changes gradually to 085° dipping 80° north at the middle of the exposure. This change of shearing direction may indicate a northeast trending fault structure which has offset the conductor located on Grids A and C.

No significant assays were returned.

### 5.3 SOUTH ROAD CUT

The South Road Cut is northwest of Grid B and lies within the major sequence of mafic volcanic flows.

It is composed predominantly of basalt with a dark greyish green color. A large ankerite content produces an intense rusty color on the exposed, blasted face of the road cut. Local magnetite rich bands are present. The pyrite content is trace to 2%.

The rock exhibits a moderate cleavage and weak banding, both oriented at  $085^{\circ}$  dipping  $80^{\circ}$  north.

Two 5 meters thick quartz feldspar porphyry intrusives are present parallel to the direction of cleavage. These units are pale green and intensely sheared.

Numerous 5 cm barren quartz veins were noted as was a quartz stockwork with lenses up to 0.8 meters thick.

A fold structure within the basalt has an axial plane parallel to the cleavage direction.

Rare small scale faults were noted with shallow dips to the north.

No significant assays were returned.

A complete list of assays for the three road cuts can be found in Appendix C.

6. DIAMOND DRILL PROGRAM

Five diamond drill holes were completed on the Grevet property for a total of 3598 feet. A description of the holes follows. Table 1 summarized the drill program.

6.1 GRID C

One diamond drill hole was completed on Grid C to test the contact between a quartz feldsapr porphyry intrusive and an intermediate tuff. This environment was considered to have potential for stratabound base metal mineralization or gold in fracturing associated with the emplacement of the intrusive. This drill hole formed a cross-section with a previous hole drilled by Selco which tested a conductive pyritic horizon. The specifics of the drill hole are listed in the following table.

<u>HOLE NO.</u>	<u>COORDINATE</u>	<u>AZ</u>	<u>DIP</u>	<u>LENGTH</u>
KG-86-1	8+00E/2+50S	350°	-50°	758'

DDH KG-86-1 intersected a continuous sequence of intensely sheared quartz feldsapr porphyry.

The best assay results was 320 ppb Au and 732 ppm Zn/0.7' from a quartz pyrite vein.

TABLE I: Summary of DDH

PROJECT: GREVET R-28

D.D.H. No.	LOCATION		AZI	DIP	LENGTH	TARGET	GEOLOGICAL ENVIRON	RESULT	PRE ASSAY POTENTIAL
	GRID	COORD							
KG-86-1	C	L 8+00 E 2+50 S	350°	-50°	758'	Contact of tuff and felsic intrusive.	Contact of tuff and felsic intrusive similar to Grid A.	No contact. All felsic intrusive trace sulphides.	NIL
KG-86-2	A	L14+00W/ 1+60S	178°	-50°	758'	Weak HEM conductor. 1090 ppb Au in quartz-tourmaline vein.	Quartz porphyry and intermediate tuff contact.	Narrow tuff within quartz porphyry intrusion, graphite conductor	LOW
KG-86-3	A	L14+00W/ 1+25N	175°	-50°	548'	Weak HEM. weak Zn soil anomaly	Quartz porphyry intrusive.	Quartz porphyry. No conductor. No Zn	NIL
KG-86-4	B	L 3+00E/ 0+50N	175°	-50°	756'	Very weak HEM. Mag high. 100 ppb Au in quartz-py vein.	Volcanic flows.	Basalt (magnetic). No conductor.	NIL
KG-86-5	B	L 4+00E/ 2+50 N	175°	-50°	778'	Strong HEM conductor	Volcanic tuff.	Felsic, intermediate and mafic tuff, Basalt 8' massive sulphides.	Moderate

The contact between the intrusive and the intermediate tuff was not encountered. A complete drill log and assays are included in Appendix D.

## 6.2 GRID A

Two drill holes were completed on Grid A to test geophysical anomalies and favorable geology. The specifics of the drill holes are given in the following table.

<u>HOLE NO.</u>	<u>COORDINATE</u>	<u>AZ</u>	<u>DIP</u>	<u>LENGTH</u>
KG-86-2	14+00W/1+60S	178°	-50°	758'
KG-86-3	14+00W/1+25N	178°	-50°	<u>548'</u>
		TOTAL		1,306'

DDH KG-86-2 was located to test an electromagnetic HEM conductor, the contact between the quartz feldspar porphyry intrusive and felsic to intermediate tuff, and the down dip extension of a quartz tourmaline vein which assayed 1090 ppb Au from a grab sample.

The hole intersected an intensely sheared sequence of quartz feldspar porphyry, felsic tuff, intermediate tuff and a second quartz feldspar porphyry unit.

A graphitic layer with minor pyrite explained the conductor. Narrow quartz tourmaline veins may have been the continuation of the vein on surface, however they did not carry significant amounts of gold.

The best assay was 730 ppm Zn/5.0'. All gold assays were below 15 ppb .

DDH KG-86-3 was designed to test a weak and apparently offset HEM conductor with an associated zinc anomaly.

The hole intersected a sequence of intensely sheared quartz porphyry and quartz feldspar porphyry.

The best assay result was 38 ppb Au.

No reasonable explanation for the conductor was encountered. The orientation of shearing was that of the regional shearing. No evidence was found for faults which may have offset the conductor. Complete drill logs are included in Appendix D.

### 6.3 GRID B

Two drill holes were completed on Grid B to test HEM conductors and magnetic anomalies within mafic volcanic rocks. The drill hole data is tabulated below.

<u>HOLE NO.</u>	<u>COORDINATE</u>	<u>AZ</u>	<u>DIP</u>	<u>LENGTH</u>
KG-86-4	3+00E/0+50N	175°	-50°	756'
KG-86-5	4+00E/2+60N	175°	-50°	778'
		TOTAL		1,534'



DDH KG-86-4 was drilled to test a magnetic high anomaly with a flanking weak HEM conductor. It was also designed to test for the continuation of a quartz vein with 10% pyrite which assayed 100 ppb Au from a surface grab sample.

The hole intersected mafic volcanic flows and a narrow quartz porphyry dyke.

The best assay value was 1150 ppm Zn/2.8'. No gold values greater than 5 ppb were returned. The magnetic anomaly was caused by minor concentrations of magnetite in the basalts.

No conductors were expected.

DDH KG-86-5 was located to test a strong, strataform HEM conductor within pyroclastics and mafic volcanics.

The hole intersected a sequence of thin layers of intermediate to mafic tuff with minor felsic tuff and basalt.

A 7 foot thick massive pyrite-pyrrhotite layer explained the conductor. It returned assays of 78 ppb Au/7'.

Complete drill logs and assays are included in Appendix D.

7. ECONOMIC MINERAL POTENTIAL

7.1 WESTERN SECTOR

The 1986 drill program investigated the potential for gold and base metal mineralization of two environments in the northwest sector of the Grevet claim block.

The first environment was the contact of the quartz feldspar porphyry and felsic to intermediate tuff units as possible hosts for base metal or precious metal mineralization.

A graphitic conductor was found at the contact on Grid A. Previous drilling by Selco Mining on what is now Grid C intersected a massive pyrite conductor in the same lithologic setting. Although no assays were available from the pyrite layer, an assay immediately below it returned no significant gold assays.

No significant assays were returned from road cuts or drilling in the quartz feldspar porphyry tuff environment.

Although the environment contains felsic to intermediate rocks which are intensely sheared and sericitized it appears to have limited potential for economic mineralization.

The second environment was mafic volcanics containing geophysical anomalies as potential hosts of base metal or gold mineralization.

Magnetic anomalies and sulphide conductors within basalts and intermediate tuffs failed to yield significant assay results. Ankerite rich basalts also gave no significant results.

The northwest sector of the property can be considered to have a poor potential for economic mineralization.

## 7.2 EASTERN SECTOR

Two areas in the eastern sector contain or are on strike with known gold occurrences.

The first area contains the Simon Mainville occurrence located just east of the Wedding River. The occurrence is located in sheared mafic volcanic flows which exhibit weak carbonate alteration and traces of pyrite. Numerous quartz veinlets with limonite selvages cut the shearing in the host volcanics. Also present is a 20-25 cm quartz carbonate vein. Assay results are weakly anomalous in Au

The second area is on strike with a gold occurrence known from previous drilling. (4 g/t Au/0.3m). The mineralization occurs in a sequence of felsic volcanics, sediments and numerous airborne geophysical conductors which indicate a continuation along strike onto the south boundary of the Grevet claim block.

Due to logistical considerations and a limited budget, these areas were not included in the 1986 drill program.

Structurally the eastern sector of the property is proximal to and within a fold structure. Also, two northeast striking faults pass through the areas of interest.

8. CONCLUSIONS

A program of mapping and sampling of three road cuts was undertaken to test favorable lithologies for potential gold mineralization. However, no significant assays were returned.

A five hole diamond drill program, totalling 3598 feet, was carried out to investigate more fully the gold and base metal potential of the Grevet claim block.

Two environments were investigated, quartz feldspar porphyry-intermediate to felsic tuff contacts and mafic volcanics and tuffs. Geophysical HEM conductors and/or magnetic anomalies were included as targets in four of the five holes.

No encouraging results were received from the drilling.

The western sector is considered to have a poor potential for economic gold or base metal mineralization.

Two areas in the eastern sector of the property contain or are on strike with known gold occurrences. One occurrence is a quartz vein system, the other is hosted by a sequence of felsic volcanics and sediments.

Claim staking could be carried out to increase the holdings covering the felsic volcanic and sediment sequence.

A program of detailed geophysical surveys over the two areas of potential could be justified with possible follow-up drilling.

The claims of the western sector, west of the Franquet-Grevet Township line could be dropped.

Overall the potential for economic gold or base metal mineralization is confined to the eastern sector of the property and is considered to be low to moderate.

Respectfully Submitted,

Barry C. Otton, B.Sc.

APPENDIX I  
CREW MEMBERS





APPENDIX II  
CLAIM INFORMATION

CLAIM INFORMATION  
GREVET PROJECT (Q-28)

<u>Licence No.</u>	<u>Claims</u>	<u>Expiry Date</u>
425777	1-5✓	09 Apr 86
425778	1-5✓	10 Apr 86
425779	1-5✓	11 Apr 86
425780	1-5✓	12 Apr 86
425845	1-2✓	03 May 86
425846	1-2✓	03 May 86
425847	1-2✓	03 May 86
425848	1-2✓	02 May 86
425849	1-2✓	02 May 86
425850	1-2✓	02 May 86
432337	1-5✓	06 May 86
432338	1-5✓	07 May 86
432339	1-5✓	13 May 86
432340	1-5✓	14 May 86
432341	1-5✓	15 May 86
432342	1-5✓	16 May 86
432343	1-5✓	08 May 86
432344	1-5✓	09 May 86
432348	1-2✓	04 May 86
432349	1-5✓	06 May 86
432350	1-5✓	07 May 86
432351	1-5✓	08 May 86
432352	1-5✓	09 May 86
432353	1-5✓	10 May 86
432354	1-5✓	11 May 86
432355	1-5✓	12 May 86
432356	1-5✓	13 May 86
432361	1-5✓	06 May 86
432362	1-5✓	07 May 86
432363	1-5✓	13 May 86
432364	1-5✓	14 May 86
432365	1-5✓	15 May 86
432366	1-5✓	16 May 86
432367	1-5✓	08 May 86
432368	1-5✓	09 May 86
432370	1-5✓	11 May 86
432371	1-2✓	12 May 86
432371	3✓	04 May 86
432373	1-5✓	06 May 86
432374	1-5✓	07 May 86
432375	1-5✓	08 May 86
432376	1-5✓	09 May 86
432377	1-5✓	10 May 86
432378	1-5✓	11 May 86
432379	1-5✓	12 May 86
432380	1-5✓	13 May 86

<u>Licence No.</u>	<u>Claims</u>	<u>Expiry Date</u>
432381	1-5	14 May 86
432382	1-5	15 May 86
432391	2	06 May 86
432392	1-2	05 May 86
432393	1-2	05 May 86
432394	1-2	01 May 86
432395	1-2	01 May 86
432396	1-2	01 May 86
432490	1-5	04 May 86
432491	1-4	05 May 86
432953	1-5	11 Oct 86
432954	1-4	12 Oct 86

APPENDIX III  
ROAD CUT ASSAYS

REPORT: 016-3343 ( COMPLETE )

REFERENCE INFO: REF# V-163-86

CLIENT: SOCIETE EN COMMANDITE EXPLORATIONS *KERY*  
PROJECT: NONE

SUBMITTED BY: B. OTTON  
DATE PRINTED: 9-SEP-86

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold	170	5 PPB	AQUA REGIA	FA-AA @ 10 gm weight

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
ROCK	170	-200	170	CRUSH,PULVERIZE -200	170

REMARKS: < MEANS LESS THAN.

REPORT COPIES TO: 201-245 VICTORIA AVE.  
BOX 1606

INVOICE TO: 201-245 VICTORIA AVE.

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Au PPB
84		<5	11029		<5
85		170	11030		<5
86		15	11031		<5
87		<5	11032		5
88		<5	11033		<5
89		<5	11034		5
90		<5	11035		5
91		<5	11036		<5
92		1680	11037		<5
93		<5	11038		<5
94		<5	11039		<5
95		<5	11040		<5
11001		<5	11041		<5
11002		<5	11042		10
11003		<5	11043		<5
11004		<5	11044		<5
11005		<5	11045		<5
11006		<5	11046		<5
11007		<5	11047		<5
11008		<5	11048		<5
11009		<5	11049		<5
11010		<5	11050		<5
11011		<5	11051		5
11012		<5	11052		<5
11013		<5	11053		<5
11014		<5	11054		<5
11015		<5	11055		<5
11016		<5	11056		<5
11017		<5	11057		5
11018		<5	11058		<5
11019		<5	11059		<5
11020		<5	11060		<5
11021		<5	11061		<5
11022		<5	11062		<5
11023		<5	11063		15
11024		<5	11064		<5
11025		<5	11065		<5
11026		<5	11066		10
11027		<5	11067		10
11028		<5	11068		<5

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
11069		<5
11070		5
11071		<5
11072		<5
11073		<5
11074		<5
11075		5
11076		5
11077		<5
11078		<5

SAMPLE NUMBER	ELEMENT UNITS	Au PPB
------------------	------------------	-----------

RAPPORT: 036-1232

PROJET: AUCUN

PAGE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au PPB	NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au PPB
R2 11079		20	R2 11120		<5
R2 11080		25	R2 11121		<5
R2 11081		20	R2 11122		<5
R2 11082		25	R2 11123		<5
R2 11084		20	R2 11124		<5
R2 11085		35	R2 11125		<5
R2 11086		20	R2 11126		<5
R2 11087		25	R2 11127		<5
R2 11088		5	R2 11128		<5
R2 11089		5	R2 11129		<5
R2 11090		15	R2 11130		<5
R2 11091		10	R2 11131		<5
R2 11092		10	R2 11132		<5
R2 11093		10	R2 11133		<5
R2 11094		25	R2 11134		10
R2 11095		<5	R2 11135		<5
R2 11096		15	R2 11136		10
R2 11097		20	R2 11137		20
R2 11098		5	R2 11138		10
R2 11099		10	R2 11139		10
R2 11100		25	R2 11140		15
R2 11101		15	R2 11141		15
R2 11102		20	R2 11142		15
R2 11103		5	R2 11143		15
R2 11104		15	R2 11144		20
R2 11105		15	R2 11145		5
R2 11106		35	R2 11146		<5
R2 11107		5	R2 11147		10
R2 11108		<5	R2 11148		<5
R2 11109		<5	R2 11149		<5
R2 11110		<5	R2 11150		5
R2 11111		<5	R2 11151		5
R2 11112		15	R2 11152		<5
R2 11113		15	R2 11153		5
R2 11114		5	R2 11154		<5
R2 11115		5	R2 11155		<5
R2 11116		25	R2 11156		<5
R2 11117		15	R2 11157		<5
R2 11118		5	R2 11158		15
R2 11119		10	R2 11159		<5



RAPPORT: 036-1232

PROJET: AUCUN

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NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au PPB	NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au PPB
R2 11160		<5	R2 11200		10
R2 11161		<5	R2 11201		10
R2 11162		<5	R2 11202		15
R2 11163		10	R2 11203		<5
R2 11164		<5	R2 11204		5
R2 11165		10	R2 11205		<5
R2 11166		20	R2 11206		<5
R2 11167		<5	R2 11207		<5
R2 11168		20	R2 11208		<5
R2 11169		<5	R2 11209		<5
R2 11170		<5	R2 11210		<5
R2 11171		<5	R2 11211		<5
R2 11172		<5	R2 11212		10
R2 11173		<5	R2 11213		<5
R2 11174		<5	R2 11214		10
R2 11175		<5	R2 11215		<5
R2 11176		<5	R2 11216		<5
R2 11177		<5	R2 11217		<5
R2 11178		<5	R2 11218		<5
R2 11179		<5	R2 11219		<5
R2 11180		<5	R2 11220		10
R2 11181		<5	R2 11221		20
R2 11182		<5	R2 11222		<5
R2 11183		<5	R2 11223		5
R2 11184		15	R2 11224		10
R2 11185		20	R2 11225		10
R2 11186		25	R2 11226		<5
R2 11187		<5	R2 11227		<5
R2 11188		15			
R2 11189		20			
R2 11190		10			
R2 11191		25			
R2 11192		<5			
R2 11193		25			
R2 11194		10			
R2 11195		15			
R2 11196		15			
R2 11197		15			
R2 11198		15			
R2 11199		10			

RAPPORT: 036-1250

PROJET: AUCUN

PAGE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au PPB	NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au PPB
R2 11228		15	R2 11268		5
R2 11229		5	R2 11269		5
R2 11230		<5	R2 11270		<5
R2 11231		<5	R2 11271		<5
R2 11232		<5	R2 11272		5
R2 11233		<5	R2 11273		<5
R2 11234		<5	R2 11274		5
R2 11235		<5	R2 11275		<5
R2 11236		<5	R2 11276		5
R2 11237		<5	R2 11277		10
R2 11238		<5	R2 11278		10
R2 11239		<5	R2 11279		<5
R2 11240		<5	R2 11280		<5
R2 11241		<5	R2 11281		<5
R2 11242		<5	R2 11282		<5
R2 11243		<5	R2 11283		<5
R2 11244		<5	R2 11284		15
R2 11245		<5	R2 11285		5
R2 11246		<5	R2 11286		<5
R2 11247		<5	R2 11287		5
R2 11248		20	R2 11288		<5
R2 11249		10	R2 11289		5
R2 11250		10	R2 11290		<5
R2 11251		5	R2 11291		<5
R2 11252		5	R2 11292		5
R2 11253		5	R2 11293		5
R2 11254		5	R2 11294		<5
R2 11255		<5	R2 11295		<5
R2 11256		5	R2 11296		15
R2 11257		5	R2 11297		5
R2 11258		5	R2 11298		<5
R2 11259		5	R2 11299		<5
R2 11260		5	R2 11300		<5
R2 11261		5	R2 11301		<5
R2 11262		5	R2 11302		10
R2 11263		5	R2 11303		<5
R2 11264		<5	R2 11304		<5
R2 11265		5	R2 11305		<5
R2 11266		5	R2 11306		<5
R2 11267		5	R2 11307		5



APPENDIX IV  
DIAMOND DRILL LOGS

# DIAMOND DRILL RECORD

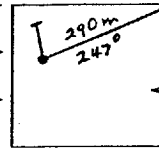
LOGGED BY B. Otton

PROPERTY GREVET Q-28 Grid C

LATITUDE L8-100 E BEARING OF HOLE 350° STARTED \_\_\_\_\_

DEPARTURE 2+50S DIP OF HOLE -50° @ collar COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH 758'



D.D.H. No. KG-86-1 PAGE i

CLAIM No. 425 850-1



DIRECTION AND DISTANCE FROM  
NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY							
FROM	TO			FROM	TO									
		Summary Log												
0	150.0'	OVERBURDEN												
150.0'	758.0'	QUARTZ FELDSPAR PORPHYRY												
	758.0'	END OF HOLE												




# DIAMOND DRILL RECORD

LOGGED BY B. Otton

PROPERTY Grevet Q-28 Grid C  
 LATITUDE L8400 E BEARING OF HOLE 350° STARTED 22 Sept. 1986  
 DEPARTURE 2450 S DIP OF HOLE -50° @ collar COMPLETED 24 Sept. 1986  
 ELEVATION \_\_\_\_\_ DIP TESTS 250' 44° corrected DEPTH 758'  
300' 31° corrected  
758' 26° corrected

D.D.H. No. KG-86-1 PAGE 1/5

CLAIM No. 425 850-1

←  DIRECTION AND DISTANCE FROM  
NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ppb		ppm		
FROM	TO			FROM	TO		Au	Ag	Zn	Cu	
0	150.0'	OVERBURDEN									
150.0'	758.0'	QUARTZ FELDSPAR PORPHYRY									
		Beige, fine grained, quartz feldspar porphyry with 2-10% quartz phenocrysts $\frac{1}{8}$ " in diameter, strongly sheared @ 45° TCA. Partly silicified. 3% $\frac{1}{4}$ " carbonate veinlets at 45° TCA.	30950	150.0	155.0	5.0'	<1	6	0.4	6	12
		Up to 3% disseminated tourmaline needles. Numerous $\frac{1}{2}$ " kink folds.	36089	155.0	158.0	3.0'	<1	21	0.2	6	18
			30951	191.8	196.8	5.0'	<1	2	<0.1	5	6
		205.9'-207.8' Broken and blocky core	36090	205.9	207.8	1.9'	1	6	<0.1	9	4
		207.8'-210.9' 20% chlorite alteration with gradational contact	36091	207.8	211.2	3.4'	<1	2	<0.1	14	6
			30952	211.2	216.2	5.0'	<1	<2	4.1	7	12
			30953	249.2	254.2	5.0'	1	3	0.1	4	10
			36092	256.5	261.5	5.0'	1	6	0.2	10	12
			36093	261.5	266.5	5.0'	3	4	<0.1	29	17
			30954	287.4	294.4	5.0'	6	3	0.3	17	24




# DIAMOND DRILL RECORD

LOGGED BY \_\_\_\_\_

PROPERTY \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ BEARING OF HOLE \_\_\_\_\_ STARTED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ DIP OF HOLE \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH \_\_\_\_\_

D.D.H. No. KG-86-1 PAGE 2/5

CLAIM No. \_\_\_\_\_  
  
 ← DIRECTION AND DISTANCE FROM  
 NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ppb		ppm		ASSAY		ppm	
FROM	TO			FROM	TO		Au	Ag	AS	Ag	Zn	Cu		
	294.2' - 445.3'	Up to 10% chlorite and 5% red alteration (potassium?).	30955	321.4	326.4	5-0'	<1	<2	<0.1	28	8			
			36101	345.3	350.3	5-0'	<1	<2	<0.1	35	3			
			36100	350.3	355.3	5-0'	<1	2	<0.1	34	12			
			36099	355.3	360.3	5-0'	<1	3	<0.1	39	17			
	@ 362.0'	1" layer of 10% py and 3% magnetite	30956	360.3	365.3	5-0'	4	3	<0.1	37	16			
	362.0' - 369.1'	1% fine pyrite as 1/16" seams @ 60° TCA.												
			30957	401.1	406.1	5-0'	13	17	0.1	16	14			
	403.0' - 448.0'	Numerous kink folds with axial plane horizontal.												
			30964	422.1	427.1	5-0'	6	5	<0.1	32	24			
	427.1' - 427.4'	QUARTZ PYRITE VEIN @ 45° TCA with	30965	427.1	427.8	0.7'	320	57	1.2	732	52			
		25% pyrite and minor carbonate. Upper	30966	427.8	432.8	5-0'	31	15	5.2	30	10			
		contact sharp, lower contact interfingered												
	427.4' - 431.0'	3% fine pyrite as 1/8" seams.												
	446.7' - 447.9'	Contorted kink folds with 3% fine pyrite	30967	446.7	448.0	1.3'	6	9	0.1	32	10			





# DIAMOND DRILL RECORD

LOGGED BY \_\_\_\_\_

PROPERTY \_\_\_\_\_

LATITUDE \_\_\_\_\_

BEARING OF HOLE \_\_\_\_\_

STARTED \_\_\_\_\_

DEPARTURE \_\_\_\_\_

DIP OF HOLE \_\_\_\_\_

COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_

DIP TESTS \_\_\_\_\_

DEPTH \_\_\_\_\_

D.D.H. No. KG-86-1 PAGE 4/5

CLAIM No. \_\_\_\_\_

DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY					
FROM	TO			FROM	TO		ppb Au	ppm AS	ppm Ag	ppm Zn	ppm Cu	
		but minor talc. Schistosity is locally contorted.										
		@497.2' 5" zone with 20% fine tourmaline and 5% pyrite on shear planes.	30970	496.5	501.5	5.0'	9	<2	<0.1	34	10	
			36098	503.0	508.0	5.0'	<1	<2	0.1	26	4	
			36096	508.0	513.0	5.0'	<1	<2	<0.1	29	6	
			36097	513.0	518.0	5.0'	<1	<2	<0.1	28	6	
			30971	539.8	544.8	5.0'	<1	<2	<0.1	28	9	
			30972	582.7	587.7	5.0'	<1	<2	0.1	24	10	
		588.6-641.0' Medium red quartz feldspar porphyry with 1/2" S kink folds. Partly silicified.	36095	616.0	621.0	5.0'	<1	<2	<0.1	20	4	
		Shearing @ 70° TCA.	36094	621.0	626.0	5.0'	<1	<2	<0.1	22	3	
		631.0'-633.3' Brecciated zone.	30973	626.0	631.0	5.0'	<1	<2	<0.1	19	4	
		@632.9' 5" quartz vein parallel to shearing @ 80° to 50° TCA. 3% tourmaline and trace pyrite on contacts.	30974	631.0	633.3	2.3'	<1	<2	0.2	17	8	
			30975	633.3	638.3	5.0'	18	<2	0.3	22	6	



# DIAMOND DRILL RECORD

LOGGED BY B. Otton

PROPERTY GREUET Q-28 GRID A

D.D.H. No. KG-86-2 PAGE i

LATITUDE L14+00 W BEARING OF HOLE 178° STARTED \_\_\_\_\_

DEPARTURE 1+60 S DIP OF HOLE -50° @ cdlat COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH 758'



CLAIM No. \_\_\_\_\_

← DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY			
FROM	TO			FROM	TO					
		<i>Summary Log of KG-86-2</i>								
0	10.0'	OVERBURDEN								
10.0'	281.3'	QUARTZ FELDSPAR PORPHYRY								
281.3'	289.7'	GRAPHITIC ZONE								
289.7'	486.0'	FELSIC TUFF								
486.0'	578.7'	INTERMEDIATE TUFF								
578.7'	758.0'	QUARTZ FELDSPAR PORPHYRY								
	758.0'	END OF HOLE								



# DIAMOND DRILL RECORD

LOGGED BY B. Otton

PROPERTY GREVET Q-28 GRID A

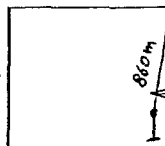
D.D.H. No. KG-86-2 PAGE 1/6

LATITUDE L14-00 W BEARING OF HOLE 178° (on grid line) STARTED 25 Sept 1986

CLAIM No. 432348-2

DEPARTURE 1+60 S DIP OF HOLE -50 @ collar COMPLETED 30 Sept 1986

ELEVATION . DIP TESTS 250' 46° corrected 500' 41° corrected 758' 36° corrected DEPTH 758'



DIRECTION AND DISTANCE FROM  
NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ppb	ppm	ASSAY	ppm	ppm
FROM	TO			FROM	TO		Au	As	Ag	Zn	Cu
0	10.0'	OVERBURDEN									
10.0'	281.3'	QUARTZ FELDSPAR PORPHYRY									
		Strong banded appearance of grey, beige and green layers 1/8" to 1" thick. Also strongly sheared at 40° TCA. 1-20% chlorite, 10% sericite, 5% tourmaline, and trace talc as seams. Trace pyrite and chalcocopyrite on shear planes. No carbonate and not silicified.	30852	19.5'	24.5'	5.0'	<1	<2	<0.1	81	39
			30853	38.5'	43.5'	5.0'	<1	<2	0.5	730	69
			30854	68.0	73.0'	5.0'	1	<2	<0.1	117	44
			30855	98.0	103.0	5.0'	2	2	0.1	117	29
			30856	112.6	117.6	5.0'	1	2	<0.1	44	12
		@ 131.7' 3" quartz - carbonate vein @ 30° TCA.	30857	129.4	131.9	2.5'	<1	<2	<0.1	54	12
		@ 144.8' 1.3' quartz vein with 5% coarse carbonate, 2% chlorite, trace pyrite. 5% tourmaline at lower contact. 3" of talc schist at lower contact. Contacts are slightly brecciated.	30858	144.8'	146.1	1.3'	<1	2	<0.1	65	24



# DIAMOND DRILL RECORD

LOGGED BY \_\_\_\_\_

PROPERTY \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ BEARING OF HOLE \_\_\_\_\_ STARTED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ DIP OF HOLE \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH \_\_\_\_\_

D.D.H. No. KG-86-2 PAGE 2/6

CLAIM No. \_\_\_\_\_



DIRECTION AND DISTANCE FROM  
 NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY				
FROM	TO			FROM	TO		PPb Au	PPm As	Ag	PPm Zn	PPm Cu
		@148.2' 6" zone of 4% pyrite.	30859	146.1	151.1	5.0'	3	10	<0.1	114	48
			30860	171.0	176.0	5.0'	2	5	<0.1	98	18
			30861	203.0	208.0	5.0'	<1	5	<0.1	41	13
			30862	240.0	245.0	5.0'	<1	5	<0.1	44	12
			30863	268.4	273.4	5.0'	<1	5	<0.1	45	12
		275.9'-281.3' Pyrite content increases from 0 to 4%	30864	276.3	281.3	5.0'	<1	25	<0.1	55	12
281.3'	289.7'	<u>GRAPHITIC ZONE</u>									
		60-90% graphite, 5% quartz grains, 5% fine pyrite	30865	281.3	286.3	5.0'	5	34	0.1	61	56
		cubes and trace carbonate. Strongly sheared at	30866	286.3	289.7	3.4'	2	12	<0.1	44	24
		40° TCA with occasional quartz-carbonate veinlets									
		parallel to shearing. Upper and lower contacts									
		are gradational.									
289.7'	486.0'	<u>FELSIC TUFF</u>									
		Fine grained, dark green to grey to beige felsic	30867	289.7	294.7	5.0'	3	8	<0.1	58	12

# DIAMOND DRILL RECORD

LOGGED BY \_\_\_\_\_

PROPERTY \_\_\_\_\_

LATITUDE \_\_\_\_\_

BEARING OF HOLE \_\_\_\_\_

STARTED \_\_\_\_\_

DEPARTURE \_\_\_\_\_

DIP OF HOLE \_\_\_\_\_

COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_

DIP TESTS \_\_\_\_\_

DEPTH \_\_\_\_\_

 D.D.H. No. KG-86-2 PAGE 3/6

CLAIM No. \_\_\_\_\_



DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	PPB	PPM	ASSAY	PPM	PPM
FROM	TO			FROM	TO		Au	As	Ag	Zn	Cu
		tuff. Strongly sheared at 40° TCA. 10% 1/8" quartz grains, trace pyrite, up to 5% tourmaline, 15% chlorite. No carbonate.	30868	306.1	311.1	5.0'	<1	3	<0.1	43	10
		308.0'-370.0' silicified, beige felsic tuff with local 5' light grey sections.	30869	330.4	335.4	5.0'	<1	<2	<0.1	33	10
		@ 364.4 1/2" quartz-chlorite-carbonate vein at 20° TCA. Contains 10% tourmaline. Vein strikes at 150° and dips vertically.	30870	363.3	368.3	5.0'	<1	7	<0.1	51	11
			30878	392.3	397.3	5.0'	<1	<2	<0.1	41	10
			30879	420.9	425.9	5.0'	<1	<2	<0.1	34	5
			30880	458.4	463.4	5.0'	<1	3	<0.1	42	10
		@ 486.0' Gradational lower contact	30926	481.0	486.0	5.0'	1	4	<0.1	42	15

# DIAMOND DRILL RECORD

LOGGED BY \_\_\_\_\_

PROPERTY \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ BEARING OF HOLE \_\_\_\_\_ STARTED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ DIP OF HOLE \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH \_\_\_\_\_

D.D.H. No. KG-86-2 PAGE 4/6

CLAIM No. \_\_\_\_\_



DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY				
FROM	TO			FROM	TO		ppb Au	ppm As	Ag	ppm Zn	ppm Cu
486.0'	578.7'	<u>INTERMEDIATE TUFF</u>									
		Fine grained intermediate tuff. Moderately well banded at 50° TCA with grey and pale green bands. 0-5% feldspar grains. Locally siliceous but no quartz grains. Trace short lenses of pyrite.	30927	486.0	491.0	5.0'	<1	12	<0.1	116	49
			30928	491.0	495.5	4.5'	<1	5	<0.1	96	42
		@ 495.5' 2" quartz vein surrounded by 1" of brecciation with host at each contact.	30929	495.5	495.9	0.4'	<1	4	<0.1	52	6
			30930	508.9	513.9	5.0'	5	6	<0.1	96	81
		@ 513.9' 6" quartz-carbonate-feldspar vein at 40° TCA. 10% tourmaline, 2% pyrite and trace chalcopyrite on selvages.	30931	513.9	514.6	0.7'	<1	5	<0.1	76	75
		@ 521.6' Fracture, with displacement, at 220° dipping 80° west.									
		@ 531.3' 6" of medium brown cherty sediment, trace pyrite	30932	531.1	531.8	0.7'	<1	<2	<0.1	54	19

# DIAMOND DRILL RECORD

LOGGED BY \_\_\_\_\_

PROPERTY \_\_\_\_\_

LATITUDE \_\_\_\_\_

BEARING OF HOLE \_\_\_\_\_

STARTED \_\_\_\_\_

DEPARTURE \_\_\_\_\_

DIP OF HOLE \_\_\_\_\_

COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_

DIP TESTS \_\_\_\_\_

DEPTH \_\_\_\_\_

D.D.H. No. KG-86-2 PAGE 5/6

CLAIM No. \_\_\_\_\_

DIRECTION AND DISTANCE FROM

NE. CLAIM POST



FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ppb Au	ppm Ag	ASSAY Ag	ppm Zn	ppm Cu
FROM	TO			FROM	TO						
		531.8' - 542.2' 10% medium brown alteration as layers in tuff.	30933	531.8	536.8	5.0'	1	3	<0.1	108	11
			30934	545.9	550.9	5.0'	<1	<2	<0.1	164	12
			30935	559.7	564.7	5.0'	<1	4	<0.1	140	23
		568.7' - 578.7' 5% light red alteration.									
578.7'	758.0'	QUARTZ FELDSPAR PORPHYRY									
		Medium red, fine grained quartz feldspar porphyry with 10-20% quartz phenocrysts up to 1/4". Strongly sheared at 50° TCA. Occasional 1/2" sand & kink folds.	30936	578.7	582.5	3.8'	<1	<2	<0.1	22	11
		582.5' - 584.1' Broken and blocky core	30937	582.5	584.1	1.6'	<1	<2	<0.1	18	10
		584.1' - 590.1' Gabbro dyke. Fine grained, dark green massive dyke with 1% pyrite. 5% pyrite on selvages. Lower contact at 45° TCA. Oriented at 020°, dipping 35° W.	30938	584.1	587.1	3.0'	11	11	<0.1	96	389
			30939	587.1	590.1	3.0'	13	<2	<0.1	96	411





# DIAMOND DRILL RECORD

LOGGED BY W. Wirsatz

PROPERTY Grant Grid A

D.D.H. No. KG-86-3 PAGE i

LATITUDE L 14+00 W BEARING OF HOLE at the collar 175 STARTED September 30, 1986

DEPARTURE Sta. 1+25 N DIP OF HOLE at the collar -50' COMPLETED October 1, 1986

ELEVATION \_\_\_\_\_ DIP TESTS 250' -46°/548' -43°/ DEPTH 548'



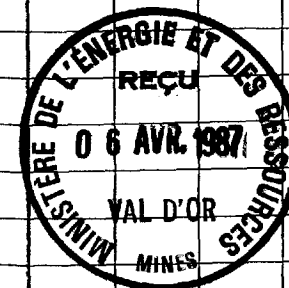
CLAIM No. \_\_\_\_\_

DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY						
FROM	TO			FROM	TO								
		Summary Log KG-86-3											
0	14	CASING	23	samples taken; sample series * 36151 - 36174.									
14	548	DIFFERENTIATED PORPHYRY SILL											
	14 - 35.5	QUARTZ FELDSPAR PORPHYRY											
	35.5 - 243.5	QUARTZ PORPHYRY											
	243.5 - 444.6	QUARTZ FELDSPAR PORPHYRY											
	444.6 - 469.2	BRECCIATED QUARTZ PORPHYRY											
	469.2 - 503	QUARTZ PORPHYRY											
	503 - 521.2	QUARTZ FELDSPAR PORPHYRY											
	521.2 - 548	QUARTZ PORPHYRY											
548		E. O. H. All casing removed.											

*W. Wirsatz*

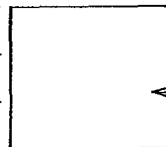


# DIAMOND DRILL RECORD

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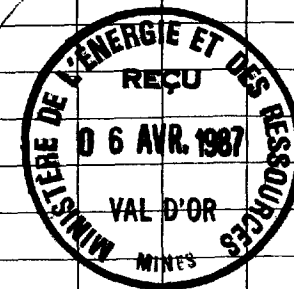
D.D.H. No. KG-86-3 PAGE 1/9

PROPERTY \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ BEARING OF HOLE \_\_\_\_\_ STARTED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ DIP OF HOLE \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH \_\_\_\_\_



CLAIM No. \_\_\_\_\_  
 DIRECTION AND DISTANCE FROM  
 NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY						
FROM	TO			FROM	TO								
0	14	CASING											
14	548	DIFFERENTIATED PORPHYRY SILL											
	14 - 35.5	QUARTZ FELDSPAR PORPHYRY											
		- mottled greyish green, pale rouge and creamy white aphanitic matrix foliated 65° to c.a.											
		- matrix supports 2-10% pale rouge feldspar phenocrysts, subhedral, sub 1/4" and 5-15% translucent quartz phenocrysts subrounded to subangular sub 1/4"											
		- 31.5 - 33.4 bleached / weathered due to ground water circulation.											
		- barren											
		- lower contact 1/4" wide, chill margin - sharp, grey aphanitic matrix w/ 1% translucent quartz phenocrysts sub 1/16" oriented 45° to c.a.											



# DIAMOND DRILL RECORD

LOGGED BY \_\_\_\_\_

PROPERTY \_\_\_\_\_

LATITUDE \_\_\_\_\_

BEARING OF HOLE \_\_\_\_\_

STARTED \_\_\_\_\_

DEPARTURE \_\_\_\_\_

DIP OF HOLE \_\_\_\_\_

COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_

DIP TESTS \_\_\_\_\_

DEPTH \_\_\_\_\_

D.D.H. No. KG-86-3 PAGE 2/9

CLAIM No. \_\_\_\_\_



DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY							
FROM	TO			FROM	TO									
	35.5 - 243.5	QUARTZ PORPHYRY												
	35.5 - 92.7	- pale greenish grey aphanitic matrix supports 30-40% translucent to transparent quartz phenocrysts rounded to angular sub 1/2" - alteration - potassic - orange - localized at/ near fractures and pervasive from 88-92.7. - alteration - carbonatization - localized at/near fractures - weathering, due to ground water circulation												
	39-40 ; 42-43		36151	63	68	5	1							
	68 - 70.1	translucent to white quartz carbonate vein, barren, sheared 45° to C.A. chloritized	36152	68	70.1	2.1	3							
	70.1 - 88	sheared weakly chloritized - secondary quartz carbonate veins located at 75.6 , 78-79.2 - barren.	36153	70.1	75.1	5	41							



# DIAMOND DRILL RECORD

LOGGED BY \_\_\_\_\_

PROPERTY \_\_\_\_\_

LATITUDE \_\_\_\_\_

BEARING OF HOLE \_\_\_\_\_

STARTED \_\_\_\_\_

DEPARTURE \_\_\_\_\_

DIP OF HOLE \_\_\_\_\_

COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_

DIP TESTS \_\_\_\_\_

DEPTH \_\_\_\_\_

D.D.H. No. KG-86-3

PAGE 4/9

CLAIM No. \_\_\_\_\_

DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY							
FROM	TO			FROM	TO		AV	Zn	Ag	AS	Cu			
		187-189 sheared quartz carbonate vein with chlorite, sericite, foliated 20° to c.a.												
		187 - 243.5 10% chloritization, 30% sericification, foliation 45° to c.a.	36159	204.3	209	5.3	11							
		-lower contact. sharp /sheared oriented 30° to c.a.	36160	233	239	5	1	24	20.1	22	4			
		243.5 - 444.6 QUARTZ FELDSPAR PORPHYRY												
		243.5 - 258 - mottled greyish green aphanitic matrix sheared 50° to c.a.; chloritized moderate to weak												
		-matrix supports translucent quartz phenocrysts 5-30% rounded to subangular sub 1/2" and pale pink feldspar phenocrysts 10-20% subhedral to subrounded sub 1/4".												
		-alteration -sericification moderate to weak.												
		-alteration -pervasively carbonatized reaction to cold HCl acid - moderate to weak.												
			36161	245	247.5	2.5'	1	25	0.1	22	8			

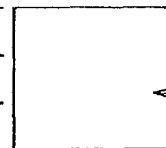


# DIAMOND DRILL RECORD

LOGGED BY \_\_\_\_\_

D.D.H. No. K6-86-3 PAGE 6/9

PROPERTY \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ BEARING OF HOLE \_\_\_\_\_ STARTED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ DIP OF HOLE \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH \_\_\_\_\_



CLAIM No. \_\_\_\_\_  
 DIRECTION AND DISTANCE FROM  
 NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY				
FROM	TO			FROM	TO		CU	ZN	AG	AS	AU
		cold HCl acid - moderate to weak - alteration - 15% chloritic slips oriented 45° to CA. - alteration - potassic - rare, at fractures. - alteration - trace epidote associated with quartz carbonate veining. - quartz carbonate veining - rare sub 1/4". randomly oriented. - barren.									
	413 - 444.6	- mottled greyish green and rouge sphenetic matrix, - matrix supports translucent to white quartz phenocrysts 25% rounded to subrounded sub 1/2"; pale pink to pale orange feldspar phenocrysts 25% subhedral sub 1/8" - alteration - pervasive carbonatization - weak - alteration - hematization? 435.5 - 438 - moderate to well	36166	433.5	436	2.5	8	29	20.1	42	1









# DIAMOND DRILL RECORD

LOGGED BY W. Wirawatz


PROPERTY Gravel

D.D.H. No. KG-86-4 PAGE 1

LATITUDE L 3+00 E BEARING OF HOLE At the collar 175 STARTED October 2, 1986

DEPARTURE sta 0+50 N DIP OF HOLE at the collar -50 COMPLETED October 4, 1986.

ELEVATION \_\_\_\_\_ DIP TESTS 250' -49°/500' -46°/756' -43° DEPTH 776'

CLAIM No. \_\_\_\_\_  
  
 DIRECTION AND DISTANCE FROM  
 NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY				
FROM	TO			FROM	TO						
		Summary Log KG-86-4									
0	10	CASING	43	samples taken		sample series number 36175-36218					
10	174.5	MASSIVE MAFIC METAVOLCANIC FLOW									
174.5	184.6	AMPHIBOLE LAMPROPHYRE									
184.6	401.7	MASSIVE MAFIC METAVOLCANIC FLOW									
401.7	463.7	AMYGDULOIDAL MAFIC METAVOLCANIC FLOW									
463.7	542	PILLOWED, AMYGDULOIDAL MAFIC METAVOLCANIC FLOW									
542	548.8	QUARTZ PORPHYRY									
548.8	549.5	AMPHIBOLE LAMPROPHYRE									
549.5	585	QUARTZ PORPHYRY									
585	776	PILLOWED AMYGDULOIDAL MAFIC METAVOLCANIC FLOW									
776		E.O.H.									
		All casing removed	W. Wirawatz								



# DIAMOND DRILL RECORD

LOGGED BY \_\_\_\_\_

PROPERTY \_\_\_\_\_

LATITUDE \_\_\_\_\_

BEARING OF HOLE \_\_\_\_\_

STARTED \_\_\_\_\_

DEPARTURE \_\_\_\_\_

DIP OF HOLE \_\_\_\_\_

COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_

DIP TESTS \_\_\_\_\_

DEPTH \_\_\_\_\_

 D.D.H. No. KG-86-4 PAGE 1/9

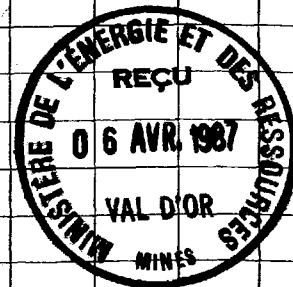
CLAIM No. \_\_\_\_\_

DIRECTION AND DISTANCE FROM \_\_\_\_\_

NE. CLAIM POST \_\_\_\_\_



FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY								
FROM	TO			FROM	TO		CU	ZN	AG	AS	AU				
0	10	CASING													
10	174.5	MASSIVE MAFIC METAVOLCANIC FLOW - dark green fine grained to very fine grained, chloritized, pervasively carbonitized, reaction to cold HCl strong to weak, rare hematite stain along fractures. - trace <i>pc, py</i> v. <i>bg</i> disseminated. - 5% hairline fractures healed w/ white calcite, occasionally w/ epidote - rare quartz carbonate veining sub 4"	36175	84.0	86.5	2.5	86	105	20.1	2	2				
		at 86.9 white quartz carbonate veining with mafic xenoliths angular sub 1/4" w/ trace <i>py</i> ; width 3" oriented 30° to c.a.	36176	86.5	87.4	0.9	42	92	20.1	2	2				
			36177	87.4	89.7	2.3	52	109	0.2	2	2				
			36178	120	122.5	2.5	60	116	20.1	2	2				
		at 123, 123.8 white quartz carbonate veins with trace <i>py</i> width 2" oriented 45° to c.a.	36179	122.5	124.5	2.0	42	116	20.1	2	2				
			36180	124.5	127	2.5	44	139	20.1	2	2				
			36181	143.5	146	2.5	35	121	0.2	2	2				



# DIAMOND DRILL RECORD

LOGGED BY \_\_\_\_\_

PROPERTY \_\_\_\_\_

LATITUDE \_\_\_\_\_

BEARING OF HOLE \_\_\_\_\_

STARTED \_\_\_\_\_

DEPARTURE \_\_\_\_\_

DIP OF HOLE \_\_\_\_\_

COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_

DIP TESTS \_\_\_\_\_

DEPTH \_\_\_\_\_

 D.D.H. No. KG-86-4

 PAGE 2/9

CLAIM No. \_\_\_\_\_


 DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY							
FROM	TO			FROM	TO		CU	ZN	AG	AS	AU			
		146.5 - 148.5 white quartz carbonate vein 7" wide parallel to C.A. with numerous carbonate stringers oriented obliquely to C.A.; sheared 40° to C.A. w/ trace py												
		-lower contact sharp oriented 45° to C.A.												
			36184	172	174.5	2.5	61	125	40.1	42	3			
174.5	184.6	AMPHIBOLE LAMPROPHYRE.	36185	174.5	176.5	2.0	14	73	40.1	42	41			
		-brownish grey aphanitic matrix massive felsic composition, supports euhedral to euhedral prismatic amphibole phenocrysts 30% sub 3/8"	36186	176.5	178.5	2.0	8	59	0.1	42	1			
		foliated subparallel to normal. w.r.t. C.A.; amphiboles are being resorbed.	36187	180.2	183.7	3.5	8	78	40.1	2	1			
			36188	183.7	184.6	0.9	98	70	40.1	42	1			
		trace py fg. disseminated	36189	184.6	185.6	1.0	130	141	40.1	42	2			
		-lower contact sharp oriented 40° to C.A.	36190	185.6	188.1	2.5	55	114	40.1	42	41			

# DIAMOND DRILL RECORD

LOGGED BY \_\_\_\_\_

 D.D.H. No. KG-86-4 PAGE 3/9

PROPERTY \_\_\_\_\_

LATITUDE \_\_\_\_\_

BEARING OF HOLE \_\_\_\_\_

STARTED \_\_\_\_\_

DEPARTURE \_\_\_\_\_

DIP OF HOLE \_\_\_\_\_

COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_

DIP TESTS \_\_\_\_\_

DEPTH \_\_\_\_\_



CLAIM No. \_\_\_\_\_

DIRECTION AND DISTANCE FROM \_\_\_\_\_

NE. CLAIM POST \_\_\_\_\_

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY				
FROM	TO			FROM	TO		Cu	Zn	Ag	As	Au
184.6	401.7	MASSIVE MAFIC METAVOLCANIC FLOW - dark green fine grained to very fine grained chloritic, pervasively carbonized, reaction to cold HCl acid strong to weak, foliated 40° to c.A. - 5% hairline fractures healed w/ white calcite and occasionally epidote randomly oriented, offset by fractures subparallel to c.A. - trace py disseminated fine grained to very fine grained cubic crystals conformable to foliation; in fractures normal to c.A. and in calcite healed fractures. - trace hematite in calcite healed hairline fractures 327, 327.5. - the occasional/rare quartz carbonate vein sub 2" at 328.5 white quartz carbonate vein sub 1" oriented 20° to c.A. with hairline fractures infilled w/ 0.5% py. - lower contact - first appearance of calcite amygdules, oriented 55° to c.A.									
			36191	325.5	328	2.5	62	123	40.1	22	41
			36192	328	329	1.0	74	106	40.1	22	41
			36193	329	331.5	2.5	30	124	40.1	22	41
401.7	403.7	AMYGDU LOIDAL MAFIC METAVOLCANIC FLOW. - dark green aphanitic matrix, chloritic, pervasively carbonized reaction to cold HCl acid - strong to moderate, foliation 50° to c.A.	36194	421	426	5'	78	105	40.1	2	41





# DIAMOND DRILL RECORD

LOGGED BY \_\_\_\_\_

PROPERTY \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ BEARING OF HOLE \_\_\_\_\_ STARTED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ DIP OF HOLE \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH \_\_\_\_\_

D.D.H. No. KG 26-4 PAGE 5/9



CLAIM No. \_\_\_\_\_  
 DIRECTION AND DISTANCE FROM  
 NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY							
FROM	TO			FROM	TO		CU	ZN	AG	HS	HU			
		Subangular - transparent quartz eyes 10% rounded to subrounded sub 1/4"												
		- 3% hairline fractures healed with white calcite occasionally with epidote randomly oriented and rare hematite stain.	36195	473.5	476	2.5	84	88	10.1	L2	L1			
		at 476.3 white quartz carbonate vein with hydrothermal black biotite; 0.2' wide, oriented 70° to C.A.	36196	476	477	1.0	74	66	10.1	L2	L1			
		- selvages - creamy yellowish white, calcified, oriented 50° to C.A. - several white quartz carbonate veins sub 4" in at 505' - trace py fine grained to very fine grained cubic crystals - disseminated; in fill fractures and associated with white calcite veins/stringers												
		at 529.1 4" white quartz carbonate vein with green angular xenoliths sub 3" with pink feldspar stringers and trace py fg. blebs and subhedral cubes oriented 60° to C.A.	36198	526.5	529.0	2.5	62	90	10.1	L2	L1			
			36199	529.0	530.0	1.0	50	60	10.1	L2	L1			
			36200	530.0	531.5	1.5								
		at 531.6 2" white quartz carbonate vein w/ trace py fg cubic crystals oriented 65° to C.A.	36201	531.5	532.5	1.0	72	108	10.1	L2	L1			
		at 532.5 1.5" white quartz carbonate vein barren, 50° to C.A.	36202	532.5	533.5	1.0	70	106	0.1	L2	L1			

# DIAMOND DRILL RECORD

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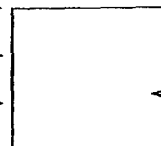
 D.D.H. No. KG-86-4 PAGE 6/9

PROPERTY \_\_\_\_\_

LATITUDE \_\_\_\_\_ BEARING OF HOLE \_\_\_\_\_ STARTED \_\_\_\_\_

DEPARTURE \_\_\_\_\_ DIP OF HOLE \_\_\_\_\_ COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH \_\_\_\_\_



CLAIM No. \_\_\_\_\_

DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY					
FROM	TO			FROM	TO		CU	ZN	AG	AS	AU	
			36203	533.5	536	2.5						
		-lower contact -sharp oriented 60° to C.A.										
542	548.8	QUARTZ PORPHYRY.										
		-light yellowish grey aphanitic matrix foliated 55° to C.A.										
		-matrix supports transparent quartz phenocrysts 15% sub 1/8"										
		conformable to foliation with prismatic black amphiboles sub 1/32"										
		- pervasively sericitized well developed										
		- minor chloritic slips 55° to C.A.										
		- 3% hairline fractures healed with white calcite randomly oriented										
		- rare quartz carbonate veins sub 2"										
		- intruded by minor amphibole lamprophyre dyke sub 1/4"										
		oriented 55° to C.A. located at 516.										
		- lower contact oriented normal to C.A.										
			36204	546.3	548.8	2.5	4	25	10.1	L2	L1	
548.8	549.5	AMPHIBOLE LAMPROPHYRE	36205	548.8	549.5	0.7	22	115	10.1	L2	2	
		- grey aphanitic matrix - felsic composition, foliated 50° to C.A.	36206	549.5	552	2.5	4	19	0.1	L2	L1	







# DIAMOND DRILL RECORD

LOGGED BY W. Wiro watz

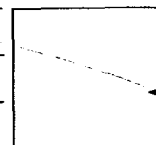
PROPERTY Gravel

D.D.H. No. K 6-86-5 PAGE 1

LATITUDE \_\_\_\_\_ BEARING OF HOLE \_\_\_\_\_ STARTED \_\_\_\_\_

DEPARTURE \_\_\_\_\_ DIP OF HOLE \_\_\_\_\_ COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH 778.4



CLAIM No. \_\_\_\_\_

DIRECTION AND DISTANCE FROM

NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY			
FROM	TO			FROM	TO					
		Summary Log K.G. 86-5								
0	46	CASING			sample taken	sample	series number	219-	36222-	36240
76	62.4	INTERMEDIATE METAVOLCANIC ASH TUFF								
60.4	62.7	AMPHIBOLE LAMPROPHYRE								
62.7	123.8	INTERMEDIATE METAVOLCANIC ASH TUFF								
123.8	104	AMPHIBOLE LAMPROPHYRE								
104	231.7	INTERMEDIATE METAVOLCANIC TUFF intercalated with MAFIC METAVOLCANIC TUFF.								
231.7	237.6	FELDSPAR PORPHYRY								
237.6	335.7	INTERMEDIATE METAVOLCANIC TUFF intercalated with MAFIC METAVOLCANIC TUFF								
335.7	345.3	FELSIC ASH TUFF -								
345.3	458	INTERMEDIATE METAVOLCANIC TUFF intercalated with MAFIC METAVOLCANIC TUFF								
458	415.2	AMPHIBOLE LAMPROPHYRE.								

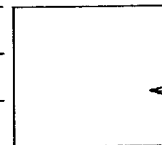


# DIAMOND DRILL RECORD

LOGGED BY W. Winawa Pz

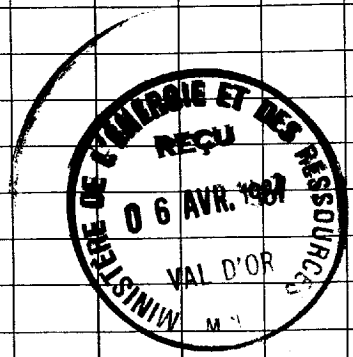
D.D.H. No. K6-86-5 PAGE ii

PROPERTY \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ BEARING OF HOLE \_\_\_\_\_ STARTED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ DIP OF HOLE \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH \_\_\_\_\_



CLAIM No. \_\_\_\_\_  
 DIRECTION AND DISTANCE FROM  
 NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY						
FROM	TO			FROM	TO								
415.2	528.9	MAFIC METAVOLCANIC TUFF.											
528.9	577.1	INTERMEDIATE METAVOLCANIC ASH TUFF intercalated with INTERMEDIATE METAVOLCANIC AGGLOMERATE											
577.1	590.6	FELSIC ASH TUFF intercalated with MAFIC ASH TUFF											
590.6	599	SEMI MASSIVE to MASSIVE SULPHIDE											
599	617.5	MAFIC ASH TUFF											
617.5	640.1	MASSIVE MAFIC METAVOLCANIC FLOW											
640.1	778.4	MAFIC ASH TUFF intercalated with FELSIC ASH TUFF.											
778.4		E.O.H.											
		AH casing removed. <i>St. M. Winawa Pz</i>											



# DIAMOND DRILL RECORD

LOGGED BY W. Wirodzitz

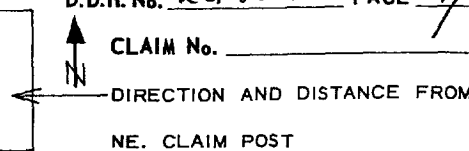
PROPERTY Gtevet R-28 Grid B

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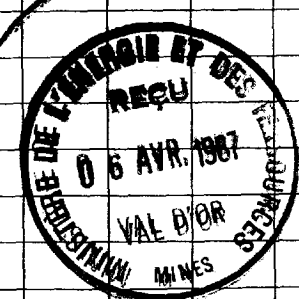
LATITUDE L 4+00E BEARING OF HOLE 175° True STARTED 4 oct. 1986

DEPARTURE Z+60 N DIP OF HOLE collar -50° COMPLETED 6 oct. 1986

ELEVATION relative to pickets DIP TESTS 250' 55° Tube 46° corrected  
500' 52° Tube 43° corrected DEPTH 778'  
778' 48° tube 39° corrected



FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY						
FROM	TO			FROM	TO								
0	46	CASING.											
46	6-4	INTERMEDIATE METAVOLCANIC ASH TUFF. - greenish grey phonic laminated laminae oriented 50° to C.A. - pervasively carbonized, reaction to cold HCl acid stringy to weak. - 22° hairline fractures healed with white calcite, conformable to foliation. - trace py v. py disseminated conformable to foliation. - lower contact steep oriented 45° to C.A.											
604	627	AMPHIBOLE LAMPROPHYRE - brownish grey phonic matrix, massive felsic composition supports black, oriented to unhealed prismatic amphibole phenocrysts 30° sub 1/8" randomly oriented - pervasively carbonized reaction to cold HCl acid v. stringy. - rare chloritic slips oriented normal to C.A. - lower contact oriented 45° to C.A.											

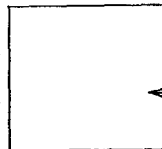




# DIAMOND DRILL RECORD

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PROPERTY \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ BEARING OF HOLE \_\_\_\_\_ STARTED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ DIP OF HOLE \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH \_\_\_\_\_



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CLAIM No. \_\_\_\_\_

← N → DIRECTION AND DISTANCE FROM

NE. CLAIM POST

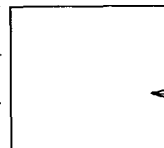
FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	PPM		ASSAY	PPM	
FROM	TO			FROM	TO		Au	Ag		Zn	Cu
62.7	103.8	INTERMEDIATE METAVOLCANIC ASH TUFF	36219	62.5	60	2.5	<1	2	0.2	20	13
			36220	66	67	1	1	<2	<0.1	24	28
102.9	104	IMPHIBOLE LAMPROPHYRE.	36221	67	67.5	2.5	<1	<2	<0.1	55	18
104	221.7	INTERMEDIATE METAVOLCANIC TUFF intercalated with MAFIC METAVOLCANIC TUFF  MAFIC METAVOLCANIC TUFF  - dark green aphanitic matrix, laminated laminae 1/2" to 1/4", pervasively carbonatized, reaction to cold HCl acid weak to v weak; chloritic.  - matrix supports creamy yellowish white to pale orange fragments - lapilli sub 1" subangular conformable to foliation, graded bedding suggests stratigraphic tops is up hole.  - 2% hairline fractures healed w/ white calcite occasionally pink randomly oriented  - trace py v. lg disseminated; laminae, conformable to foliation									

# DIAMOND DRILL RECORD

LOGGED BY \_\_\_\_\_

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PROPERTY \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ BEARING OF HOLE \_\_\_\_\_ STARTED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ DIP OF HOLE \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH \_\_\_\_\_



CLAIM No. \_\_\_\_\_  
 DIRECTION AND DISTANCE FROM  
 NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY								
FROM	TO			FROM	TO		Au	As	Ag	Zn	Cu				
		INTERMEDIATE METAVOLCANIC TUFF													
		- greenish grey aphanitic matrix, laminated laminae oriented 35° to c.A.													
		- progressively crystallized reaction to cold HCl weak to v. weak													
		- matrix suggests ash to lapilli sized fragments - felsic and mafic in composition													
		felsic fragments commonly white to greenish grey to white sub 2"													
		- angular to subrounded foliated conformable to foliation (45° to c.A.)													
		mafic fragments - dark green to greyish green sub 2" - angular to subrounded conformable to foliation (45° to c.A.)													
		- grade bedding - suggests stratigraphic tops is up hole													
		- 3/4 hairline fractures healed w/ white occasionally pink calcite randomly oriented													
		- several white q.c.v / g.v. sub 2"	36222	135.5	138	2.5	2	2	40.1	32	80				
		at 138.2" 1" white q.c.v. oriented 65° to c.A. intrudes	36223	138	139	1	1	42	40.1	17	10				
		a minor felsic ash tuff horizon 3" wide	36224	139	141.5	2.5	2	42	40.1	38	11				

# DIAMOND DRILL RECORD

LOGGED BY \_\_\_\_\_

 D.D.H. No. KG-86-5 PAGE 4/13

PROPERTY \_\_\_\_\_

LATITUDE \_\_\_\_\_

BEARING OF HOLE \_\_\_\_\_

STARTED \_\_\_\_\_

DEPARTURE \_\_\_\_\_

DIP OF HOLE \_\_\_\_\_

COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_

DIP TESTS \_\_\_\_\_

DEPTH \_\_\_\_\_



CLAIM No. \_\_\_\_\_

DIRECTION AND DISTANCE FROM \_\_\_\_\_

NE. CLAIM POST \_\_\_\_\_

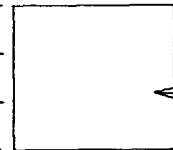
FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY							
FROM	TO			FROM	TO		Au	As	Ag	Zn	Cu			
		laminated, laminae oriented 45° to c.A., trace py. stringers conformable to foliation.												
		- lower contact gradational over 15' from 230.2 to 231.7 a gradual colour change from greyish green to orange.												
		- a sharp contact occurs at 231.7 oriented 45° to c.A.												
231.7	237.6	<b>FELDSPAR PORPHYRY.</b>												
		- pale orange granitic matrix composition pale orange feldspars massive												
		- matrix supports creamy white feldspar phenocrysts 15% sub 1/8"												
		subhedral to anhedral, black embayable phenocrysts 12% sub 1/16"												
		subhedral to anhedral trace py v. lg disseminated.	36225	229.2	231.7	2.5	<1	2	<0.1	45	47			
		at 231.9 1" white quartz vein with fluorine and trace py.	36226	231.7	233.7	2	1	<2	0.3	44	70			
		infilling fracture features and along contact with host, a porphyry xenolith; q.v. oriented	36227	233.7	236.2	2.5	1	<2	<0.1	87	23			
		subparallel to c.A.												
		- lower contact sharp oriented 60° to c.A.												
		- a gradational colour change occurs from pale orange to greyish green	36228	236.2	237.6	1.4	<1	<2	<0.1	73	18			

# DIAMOND DRILL RECORD

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PROPERTY \_\_\_\_\_  
 LATITUDE \_\_\_\_\_ BEARING OF HOLE \_\_\_\_\_ STARTED \_\_\_\_\_  
 DEPARTURE \_\_\_\_\_ DIP OF HOLE \_\_\_\_\_ COMPLETED \_\_\_\_\_  
 ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH \_\_\_\_\_



CLAIM No. \_\_\_\_\_  
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 NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY				
FROM	TO			FROM	TO		Au	As	Ag	Zn	Cu
		over 36' from 237.6 - 241.2	36229	237.6	238.6	1	3	<2	0.1	60	53
		at 239.4 1/2" pale pink quartz carbonate vein, oriented normal to	36230	239.6	240.6	2	<1	<2	0.3	39	39
		L.A. w/ trace py cubes v.lg									
		at 240 - 1/2" pale pink quartz carbonate vein oriented normal to L.A. w/									
		several 1/16" fragments of py v.lg cubes present normal to L.A.									
			36231	240.6	243.1	25	<1	<2	<0.1	51	45
2376	335.7	INTERMEDIATE METAVOLCANIC TUFF intercalated with									
		MAFIC METAVOLCANIC TUFF.									
		- description similar to previous horizon.									
		- several quartz carbonate veins sub 1"	36232	260	262.5	2.5	<1	<2	<0.1	61	32
		at 262.8 1/4" white quartz carbonate vein oriented 20° to L.A.	36233	262.5	264	1.5	1	<2	0.2	59	46
		with 25% py v.lg cubes, cross cut by a	36234	264	266.5	2.5	<1	<2	<0.1	61	44
		hairline fracture healed with white calcite									
		oriented 15° to L.A.									
		- lower contact gradational over 0.2' from 335.5 to 335.7.									

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STARTED \_\_\_\_\_

DEPARTURE \_\_\_\_\_

DIP OF HOLE \_\_\_\_\_

COMPLETED \_\_\_\_\_

ELEVATION \_\_\_\_\_

DIP TESTS \_\_\_\_\_

DEPTH \_\_\_\_\_

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CLAIM No. \_\_\_\_\_



DIRECTION AND DISTANCE FROM

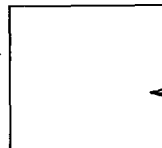
NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY					
FROM	TO			FROM	TO		Au	As	Ag	Zn	Cu	
335.7	345.3	FELSIC ASH TUFF										
		- greyish brown to pale brown - phonetic massive pervasively carbonized reaction to cold HCl weak moderate to weak.										
		- trace py v.lg disseminated cubes.										
		- 1/2" bedding fractures healed w/ white calcite randomly oriented with trace py	36235	341.5	344.0	2.5	<1	<2	<0.1	27	10	
		at 344.2 1" wide white to pale pink quartz carbonate vein at contact chloritic and lined w/ trace py v.lg to lg cubes	36236	344.0	345.3	1.3	1	<2	0.3	32	10	
		- included by a 1/4" white quartz carbonate veinlet with hydrothermal chlorite - oriented parallel to c.a.	36237	345.3	347.7	1.4	<1	2	<0.1	65	26	
		- lower contact gradational over 2.3' from 345 - 345.3										
345.3	405.8	INTERMEDIATE METAVOLCANIC TUFF intercalated with MAFIC METAVOLCANIC TUFF.										

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CLAIM No. \_\_\_\_\_  
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 NE. CLAIM POST

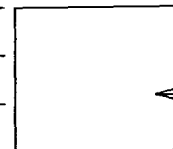
FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY						
FROM	TO			FROM	TO								
		- description similar to previous horizons. - lower contact sharp oriented 75° to C.A.											
405.8	415.2	AMPHIBOLE LAMPROPHYRE - greenish grey aphanitic matrix massive, felsic composition - matrix supports block euhedral to anhedral amphiboles 25% sub 1/16" - several chlorite slips - 3% breccia fractures healed w/ white calcite orientation normal and subparallel to C.A. - trace py v. lg disseminated - lower contact sharp oriented 75° to C.A.											
415.2	528.9	MAFIC METAVOLCANIC TUFF - dark green to greyish green aphanitic to lg ash tuff, chloritized laminated, laminae oriented 55° to C.A. - pervasively carbonized, reaction to cold HCl acid v. strong to strong. - trace py v. lg disseminated											

# DIAMOND DRILL RECORD

LOGGED BY \_\_\_\_\_

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PROPERTY \_\_\_\_\_  
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 ELEVATION \_\_\_\_\_ DIP TESTS \_\_\_\_\_ DEPTH \_\_\_\_\_



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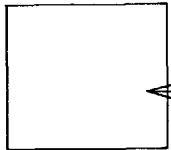
FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY							
FROM	TO			FROM	TO									
		- several chloritic slips												
		- 10% hairline fractures healed with white calcite - occasionally with epidote orientation conformable to foliation, and subparallel to C-A												
		- several white quartz carbonate veins sub 1" conformable to foliation												
		- lower contact sharp oriented 60° to C-A												
5289	577.1	INTERMEDIATE METAVOLCANIC ASH TUFF intercalated with INTERMEDIATE METAVOLCANIC AGGLOMERATE.												
		INTERMEDIATE METAVOLCANIC ASH TUFF												
		- greenish grey, attractive, laminated laminae oriented 50° to C-A. - pervasively carbonatized reaction to cold HCl acid v. strong to strong.												
		INTERMEDIATE METAVOLCANIC AGGLOMERATE												
		- fragments subangular to subrounded maximum size 4" agglomerate predominant size 1/2" - composition 85% felsic, 15% mafic												
		- fragments - matrix supported - graded bedding suggests stratigraphic tops is												

# DIAMOND DRILL RECORD

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FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY							
FROM	TO			FROM	TO									
		uphole.												
		- lower contact steep oriented 60° to C.A.												
5771	5806	FELSIC ASH TUFF interbedded with MAFIC ASH TUFF												
		FELSIC ASH TUFF												
		- light grey vfg aphanitic, laminated, laminae oriented 65° to C.A.												
		- pervasively carbonitized reaction to cold HCl and strong to moderate												
		- trace py vfg disseminated conformable to foliation and as												
		fg cubic crystals												
		- MAFIC ASH TUFF												
		- dark green aphanitic laminated laminae oriented 65° to C.A.												
		- pervasively carbonitized trace py												
		- rare quartz carbonate string conformable to foliation	30958	580.5'	585.5'	5.0'	2	3	0.2	52	31			
			30959	585.5'	590.5'	5.0'	3	2	40.1	68	50			
		- lower contact steep oriented around to C.A.												








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 CLAIM No. \_\_\_\_\_  
  
 ← DIRECTION AND DISTANCE FROM  
 NE. CLAIM POST

FOOTAGE		DESCRIPTION	SAMPLE No.	FOOTAGE		SAMPLE LENGTH	ASSAY			
FROM	TO			FROM	TO		Au	AS	Ag	Zn
		- trace py & lg disseminated cubic stringers								
		- trace po & lg								
		- 20% bedding fractures sealed w/ white calcite randomly oriented, rare g.c.v.								
		752-754 fine horizon with felsic fragments								
		- matrix dark grey aphanitic supports lapilli sized fragments - subangular to subrounded.								
		- felsic fragments - tinted a pale red at base to a creamy yellow core.								
		- mafic fragments - dark green to black angular sub 1/8"								
		- sharp contact 20° to CA.	36238	7635	765					
		7584-7754 1% py trace po, numerous stringers conformable to foliation								
		767-7674 semi massive py 5% po 1% oriented 65° to CA	36239	765	768	6	7	<0.1	135	99
			36240	768	768.9	1	<2	<0.1	141	44



REPORT: 016-3909 ( COMPLETE )

REFERENCE INFO: REF# V-266-86

CLIENT: SOCIETE EN COMMANDITE EXPLORATIONS KERY  
PROJECT: R-28

SUBMITTED BY: B. OTTON  
DATE PRINTED: 13-OCT-86

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold	88	1 PPB	AQUA REGIA	FireAssay/DC Plasma
2	TestWt Au Test Weight	3	0.01 gm		

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
OTHER	88	-200	88	PULVERIZE -200	88
				TRNSFD FRM POLYBAGS	88

REMARKS: < MEANS LESS THAN.

REPORT COPIES TO: 201-245 VICTORIA AVE.  
BOX 1606

INVOICE TO: 201-245 VICTORIA AVE.

*Feuilles de travail*

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Au PPB
23551		12	23591		6
23552		13	23592		6
23553		3	23593		10
23554		5	23594		9
23555		1	23595		3
23556		3	23596		1
23557		2	23597		36
23558		5	23598		3
23559		17	23599		9
23560		3	23600		1
23561		8	23601		10
23562		5	23602		8
23563		9	23603		3
23564		19	23604		10
23565		9	23605		7
23566		9	23606		57
23567		14	23607		25
23568		14	23608		19
23569		27	23609		52
23570		40	23610		39
23571		10	23611		10
23572		5	23612		23
23573		20	23613		25
23574		16	23614		29
23575		12	23615		14
23576		25	23616		1
23577		14	23617		6
23578		8	23618		12
23579		11	23619		16
23580		16	23620		9
23581		12	23621		2
23582		35	23622		5
23583		17	23623		2
23584		18	23624		5
23585		5			
23586		40			
23587		10			
23588		32			
23589		6			
23590		14			



REPORT: 016-4337

PROJECT: R-28

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	TestWt gm	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	TestWt gm
23683		7		23723		11	
23684		7		23724		7	
23685		5		23725		4	
23686		11		23726		7	
23687		2		23727		21	
23688		<1		23729		9	
23689		3		23730		3	
23690		4		23731		6	
23691		3		23732		6	
23692		3		23733		34	
23693		16		23734		2	
23694		4		23735		21	
23695		5		23736		2	
23696		3		23737		3	
23697		7		23738		2	
23698		4		23739		3	
23699		6					
23700		1					
23701		39					
23702		4					
23703		5					
23704		10					
23705		6	10.40				
23706		8					
23707		6					
23708		8					
23709		11					
23710		6					
23711		8					
23712		5					
23713		14					
23714		5					
23715		6	15.70				
23716		6					
23717		3	18.40				
23718		6					
23719		2	14.50				
23720		2					
23721		5					
23722		8					

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	TestWt gm	SAMPLE NUMBER	ELEMENT UNITS	Au PPB	TestWt gm
30573		2		30613		2	
30574		1		30614		2	
30575		<1		30615		1	
30576		<1		30616		150	
30577		2		30617		92	
30578		1		30618		17	13.00
30579		1		30619		12	
30580		1		30620		8	
30581		<1		30621		68	
30582		1		30622		247	
30583		3		30623		122	
30584		2		30624		47	
30585		2		30625		56	
30586		<1		30626		132	
30587		1		30627		280	
30588		1		30628		61	
30589		<1		30629		44	
30590		1		30630		43	
30591		<1		30631		86	
30592		<1		30632		15	
30593		1		30633		12	
30594		1		30634		54	
30595		<1		30635		22	
30596		<1		30636		979	
30597		<1		30637		31	
30598		1		30638		179	
30599		2		30639		98	
30600		<1		30640		123	
30601		3		30641		121	
30602		3		30642		88	
30603		1		30643		276	
30604		3		30644		120	
30605		2		30645		305	
30606		1		30646		52	
30607		3		30647		114	
30608		2		30648		76	
30609		3		30649		46	
30610		2		30650		166	
30611		<1		30651		139	15.00
30612		2		30652		10	12.00



SAMPLE NUMBER	ELEMENT UNITS	Au PPB	TestWt gm
30653		90	
30654		328	
30655		170	
30656		98	
30657		29	
30658		55	
30659		68	
30660		85	

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	TestWt gm

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	SAMPLE NUMBER	ELEMENT UNITS	Au PPB
30661		46	30701		3
30662		28	30702		11
30663		37	30703		33
30664		6	30704		21
30665		60	30705		16
30666		68	30706		13
30667		18	30707		13
30668		7	30708		8
30669		4	30709		22
30670		1	30710		5
30671		3	30711		36
30672		4	30712		7
30673		10	30713		41
30674		5	30714		42
30675		4	30715		15
30676		5	30716		67
30677		4	30717		37
30678		3			
30679		5			
30680		11			
30681		72			
30682		8			
30683		12			
30684		7			
30685		9			
30686		6			
30687		11			
30688		6			
30689		1			
30690		2			
30691		5			
30692		1			
30693		4			
30694		10			
30695		5			
30696		4			
30697		34			
30698		10			
30699		2			
30700		2			

REPORT: 016-3908 ( COMPLETE )

REFERENCE INFO:

CLIENT: SOCIETE EN COMMANDITE EXPLORATIONS KERY  
PROJECT: K-28

SUBMITTED BY: BARRY OTTON  
DATE PRINTED: 10-OCT-86

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Cu Copper	9	1 PPM	HCl-HNO3, (1:3)	Atomic Absorption
2	Zn Zinc	9	1 PPM	HCl-HNO3, (1:3)	Atomic Absorption
3	Ag Silver	9	0.1 PPM	HCl-HNO3, (1:3)	Atomic Absorption
4	As Arsenic	9	2 PPM	HNO3-HClO4	Colourimetric
5	Au Gold	9	1 PPB	AQUA REGIA	FireAssay/DC Plasma

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
DRILL CORE	9	-200	9	CRUSH,PULVERIZE -200	9

REMARKS: < MEANS LESS THAN.

REPORT COPIES TO: 201-245 VICTORIA AVE.  
BOX 1606

INVOICE TO: 201-245 VICTORIA AVE.

Barry Otton  
10-10-86

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB
30808		69	105	<0.1	<2	<1
30809		114	86	<0.1	<2	2
30810		54	43	0.1	<2	<1
30811		60	43	0.1	<2	<1
30812		90	47	0.1	<2	<1
30813		216	32	<0.1	<2	<1
30814		233	45	<0.1	<2	<1
30815		72	54	<0.1	2	<1
30820		67	41	<0.1	<2	<1

FC-86-2

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB
30852 ✓		39	81	<0.1	<2	<1
30853		69	730	0.5	<2	<1
30854		44	117	<0.1	<2	1
30855 ✓		29	117	0.1	2	2

AG-86-2

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	
30856 ✓		12	44	<0.1	2	1	) KG-86-2
30857		12	54	<0.1	<2	<1	
30858		24	65	<0.1	2	<1	
30859		48	114	<0.1	10	3	
30860 ✓		18	98	<0.1	5	2	
30870 ✓		11	51	<0.1	7	<1	) KG-86-2
30878 ✓		10	41	<0.1	<2	<1	
30879		5	34	<0.1	<2	<1	
30880 ✓		10	42	<0.1	3	<1	

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB
30861		13	41	<0.1	5	<1
30862		12	44	<0.1	5	<1
30863		12	45	<0.1	5	<1
30864		12	55	<0.1	25	<1
30865		56	61	0.1	34	5
30866		24	44	<0.1	12	2
30867		12	58	<0.1	8	3
30868		10	43	<0.1	3	<1
30869		10	33	<0.1	<2	<1

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RG-86-2

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB
30926		15	42	<0.1	4	1
30927		49	116	<0.1	12	<1
30928		42	96	<0.1	5	<1
30929		6	52	<0.1	4	<1
30930		81	96	<0.1	6	5
30931		75	76	<0.1	5	<1
30932		19	54	<0.1	<2	<1
30933		11	108	<0.1	3	1
30934		12	164	<0.1	<2	<1
30935		23	140	<0.1	4	<1
30936		11	22	<0.1	<2	<1
30937		10	18	<0.1	<2	<1
30938		389	96	<0.1	11	11
30939		419	96	<0.1	<2	13
30940		15	30	<0.1	<2	<1
30941		6	38	<0.1	<2	<1
30942		13	14	<0.1	<2	<1
30943		8	44	<0.1	<2	<1
30944		20	36	<0.1	2	<1
30945		7	36	<0.1	<2	<1
30946		2	20	<0.1	<2	<1
30947		2	14	<0.1	<2	<1
30948		3	22	<0.1	<2	<1

AG-86-2

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB	TestWt gm
30958		31	52	0.2	3	2	
30959		50	68	<0.1	2	3	
30960		40	52	<0.1	165	74	10.00
30961		30	56	0.1	125	82	10.00
30962		75	220	<0.1	29	6	
30963		63	80	<0.1	<2	<1	

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7/2/81

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB
30949		76	30	<0.1	58	<1
30950		12	6	0.4	6	<1
30951		6	5	<0.1	2	<1
30952		12	7	4.1	<2	<1
30953		10	4	0.1	3	1
30954		24	17	0.3	3	6
30955		8	28	<0.1	<2	<1
30956		16	37	<0.1	3	4
30957		14	16	0.1	17	13
30964		24	32	<0.1	5	6
30965		52	732 ✓	1.2	57	320 ✓
30966		10	30	5.2	15	31
30967		10	32	0.1	9	6
30968		5	17	<0.1	<2	13
30969		6	34	0.3	<2	4
30970		10	34	<0.1	<2	9
30971		9	28	<0.1	<2	<1
30972		10	24	0.1	<2	<1
30973		4	19	<0.1	<2	<1
30974		8	17	0.2	<2	<1
30975		6	22	0.3	<2	18
30976		7	17	<0.1	<2	<1
30977		4	21	<0.1	<2	1
30978		6	32	<0.1	<2	<1

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB
36089		18	6	0.2	21	<1
36090		4	9	<0.1	6	1
36091		6	14	<0.1	2	<1
36092		12	10	0.2	6	1
36093		17	29	<0.1	4	3
36097		6	28	<0.1	<2	<1
36099		17	39	<0.1	3	<1
36100		12	34	<0.1	2	<1
36101		3	35	<0.1	<2	<1

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB
36094		3	22	<0.1	<2	<1
36095		4	20	<0.1	<2	<1
36096		6	29	<0.1	<2	<1
36098		4	26	0.1	<2	<1

KG-86-1

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB
36151		4	22	<0.1	<2	1
36152		6	13	<0.1	<2	3
36153		4	48	<0.1	<2	<1
36154		6	12	<0.1	<2	<1
36155		8	14	<0.1	<2	<1
36156		4	14	<0.1	<2	<1
36157		2	14	<0.1	<2	<1
36158		3	13	<0.1	<2	<1
36159		7	11	<0.1	<2	11

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB
36160		4	24	<0.1	<2	1
36161		8	25	0.1	<2	1
36162		6	20	<0.1	<2	<1
36163		38	23	<0.1	<2	<1
36164		10	21	<0.1	<2	5
36165		14	44	<0.1	<2	1
36166		8	29	<0.1	<2	1
36167		4	22	<0.1	<2	<1
36168						
36169		6	14	<0.1	<2	<1
36170		10	17	0.3	<2	<1
36171		12	14	<0.1	<2	<1
36172		10	16	<0.1	<2	<1
36173		24	12	<0.1	<2	<1
36174		8	15	<0.1	<2	<1
36175		86	105	<0.1	<2	<1
36176		42	92	<0.1	2	2
36177		52	109	0.2	<2	<1
36178		60	116	<0.1	<2	<1
36179		42	116	<0.1	<2	<1
36180		44	139	<0.1	<2	<1
36181		35	121	0.2	<2	<1
36182		36	1150	0.5	<2	11
36183		50	543	0.1	<2	5
36184		61	125	<0.1	<2	3
36185		14	73	<0.1	<2	<1
36186		8	59	0.1	<2	1
36187		8	78	<0.1	<2	1
36188		98	70	<0.1	<2	1
36189		130	141	<0.1	<2	2
36190		55	114	<0.1	<2	<1
36191		62	123	<0.1	<2	<1
36192		74	106	<0.1	<2	<1
36193		30	124	<0.1	<2	<1
36194		78	105	<0.1	2	<1
36195		84	88	<0.1	<2	<1
36196		74	66	<0.1	<2	1
36197		70	89	<0.1	2	<1
36198		62	90	<0.1	<2	<1
36199		50	60	<0.1	<2	<1

KG-86-3

KG-86-4

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB
36200		82	123	<0.1	<2	<1
36201		72	108	<0.1	<2	<1
36202		70	106	0.1	<2	<1
36203		90	107	<0.1	<2	1
36204		4	25	<0.1	<2	<1
36205		22	115	<0.1	<2	2
36206		4	19	0.1	<2	<1
36207		4	7	<0.1	<2	<1
36208		6	7	<0.1	<2	<1
36209		5	9	0.1	<2	<1
36210		122	114	0.1	2	1
36211		188	115	<0.1	2	1
36212		80	101	<0.1	<2	<1
36213		80	105	<0.1	<2	<1
36214		38	90	<0.1	<2	<1
36215		130	118	<0.1	2	<1
36216		83	94	<0.1	<2	<1
36217		7	25	0.1	<2	<1
36218		90	102	<0.1	<2	<1
36219		13	20	0.2	2	<1
36220		28	24	<0.1	<2	1
36221		18	55	<0.1	<2	<1
36222		80	32	<0.1	2	2
36223		10	17	<0.1	<2	1
36224		11	38	<0.1	<2	2
36225		47	45	<0.1	2	<1
36226		70	44	0.3	<2	1
36227		23	87	<0.1	<2	1

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KG-86-5

SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB
36228		18	73	<0.1	<2	<1
36229		53	60	0.1	<2	3
36230		39	39	0.3	<2	<1
36231		45	51	<0.1	<2	<1
36232		32	61	<0.1	<2	<1
36233		46	59	0.2	<2	1
36234		44	61	<0.1	<2	<1
36235		10	27	<0.1	<2	<1
36236		10	32	0.3	<2	1
36237		26	65	<0.1	2	<1

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SAMPLE NUMBER	ELEMENT UNITS	Cu PPM	Zn PPM	Ag PPM	As PPM	Au PPB
36238		61	141	<0.1	2	2
36239		99	135	<0.1	7	6
36240		44	141	<0.1	<2	1
36241		41	79	<0.1	<2	<1
36242		65	137	<0.1	<2	<1
36243		75	121	<0.1	2	<1
36244		95	97	0.2	2	1

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APPENDIX V  
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I Barry Christopher Otton, residing at 155 Glencairn Avenue, Toronto, Ontario, M4R 1N1, do hereby certify that:

- I am a graduate of the University of Western Ontario, London, Ontario, with an Honour's B. Sc. degree in Geology (1983).
- I am an associate of the Geological Association of Canada (1984) and a member of the Canadian Institute of Mining and Metallurgy (1983).
- I have been employed in mineral exploration since 1983, of which one year has been in a supervisory capacity as a geologist.
- This report is based on personal examination and supervision of all work carried out on the property.
- Written permission from the author is required to use this report or part thereof in a prospectus of other statement of material facts.

Barry C. Otton, B.Sc.

GREVET PROJECT

LIST OF MAPS

- Compilation East Sector 1:100,000 ✓
- Compilation West Sector 1:10,000 ✓
- Compilation Grid A 1:2500 ✓
- Compilation Grid B 1:2500 ✓
- Compilation Grid C 1:2500 ✓
- Cross-Section NW Sector 1:2500
- DDH Cross-Section KG-86-1 1:500
- DDH Cross-Section KG-86-2 1:500
- DDH Cross-Section KG-86-3 1:500
- DDH Cross-Section KG-86-4 1:500
- DDH Cross-Section KG-86-5 1:500