

# GM 30159

DIAMOND DRILLING REPORT, PROJECT 10-809

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Québec 

7 pages  
2 plans

SOQUEM LIMITED

LA RIBOURDE-SAUSSURE TOWNSHIPS

PROJECT 10-809

DIAMOND DRILLING REPORT

by

E. J. Kruse

Ministère des Richesses Naturelles, Québec  
SERVICE DE LA  
DOCUMENTATION TECHNIQUE

Date: 11 NOV 1974

No GM: 30159

### DESCRIPTION OF PROPERTY

The property is comprised of fifty (50) contiguous mining claims of approximately forty (40) acres each. Of the fifty (50) mining claims twenty-seven (27) were optioned from UMAX and twenty-three (23) were staked on behalf of Soquem Ltd. The claims are situated in the townships of La Ribourde and Saussure. They are duly registered with the Quebec Department of Natural Resources as follows:

<u>Prospectors Licenses</u>	<u>Claims</u>	<u>Township</u>
Optioned-		
281301	1-5 incl.	Saussure
281302	1-5 incl.	Saussure
281303	1-5 incl.	Saussure
281394	1-5 incl.	La Ribourde
281395	1-3 incl.	La Ribourde
281420	3-5 incl.	La Ribourde
281421	5	La Ribourde
Staked -		
338054	1-5 incl.	La Ribourde
338055	1-5 incl.	La Ribourde
338056	1-5 incl.	La Ribourde
338057	1-5 incl.	La Ribourde
338058	1-3 incl.	Saussure

### LOCATION, ACCESS AND TOPOGRAPHY

The property is located in the east central portion of La Ribourde township and the west central portion of Saussure township just north of the Chibougamau River. Mileage post fifty-two (52) located on the LaRibourde-Saussure township line lies within the property which is some thirty (30) miles west of Chapais on the Senneterre-Chibougamau highway.

The claim group is accessible from the Senneterre-Chibougamau highway which traverses the northern portion of the property in an east-west direction.

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The topography is gently rolling with east-west trending ridges and muskeg. Jackpine and spruce are sparsely distributed throughout the area. The Chibougamau River lies just south of the claim group. Rock exposures are sparse.

### REGIONAL GEOLOGY

The general area is underlain by rocks of Precambrian age consisting of volcanics, sediments, altered intrusives and granite.

The volcanics include andesite and basalt which have been intruded by mafic and felsic igneous rocks.

The sediments cross the property in an east-westerly direction and include greywacke, tuffs and pyroclastics. They have been amphibolitized in part.

The intrusive rocks in the area include altered gabbro, dioritic gabbro and pyroxenite. These trend east-westerly north of the sedimentary horizon.

A large biotite-chlorite granite intrusion lies south of the volcanics and sediments in the south-east part of the area.

The volcanics and sedimentary rocks of the area have been tightly folded and highly deformed. They trend east-westerly and for the most part have a vertical dip.

There are probably many faults in the area, since it is unlikely rock formations could have been so tightly folded without the development of major zones of fracture. However, direct evidence of faulting is very scarce.

### LOCAL GEOLOGY

The rocks underlying the Sequon property in La Ribourde and Sausure townships consists mainly of sediments with a tongue of volcanics crossing the south-east corner of the property. South of the volcanic-sedimentary complex lies a large biotite-chlorite granite intrusive.

The bedding and foliation in the sediments trends N70°E and dips from vertical to steeply south. Tuff is the predominant rock type. Some alteration to biotite and chlorite schists as well as amphibolite occurs. Quartz veins up to ten feet in width have been noted. However, these veins carry no minerals of economic interest.

A narrow near vertical massive sulphide lense lies within the property on claim A, license 281394. This lense of approximately 500,000 tons has an average tenor of 1.35% Cu, 2% Zn and 1.24 oz Ag. Eratic gold values are also present.

### PREVIOUS WORK

In 1948, 1949 J. E. Gilbert did reconnaissance geologic mapping for the Quebec Department of Natural Resources.

The Federal Department of Mines and Technical Surveys flew a magnetometer survey over the area.

An airborne electromagnetic survey was flown over the area by UNEX. Subsequent diamond drilling led to the discovery of a massive sulphide lense of some 450,000 tons of ore grading 1.35% Cu, 2% Zn and 1.24 oz Ag with minor Au.

During the winter of 1972-1973 Sequon optioned the property and conducted a limited geophysical program. The geophysical program consisted

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of horizontal loop electromagnetics, magnetometer and gravity surveys.

#### DIAMOND DRILLING 1973-1974

During the fall of 1973 and early winter of 1974, Soquem Ltd. conducted a diamond drilling program on the property totalling 8,261<sup>5</sup> feet.

Drill holes 01, 02, and 03 were drilled to test the depth extension of the known mineralization. Hole 01 located on Line 20W at 10S has an azimuth of 0° and a dip of 82°. This hole intersected sub-economic mineralization at a vertical depth of 965'. Hole 02 located on Line 14W at 11S has an azimuth of 0° and a dip of 80°. The hole intersected weak mineralization at a vertical depth at 1200 feet. Drill hole 03 located on line 8W at 11S with an azimuth of 0° and a dip of 80° intersected weak mineralization at a vertical depth of 1050 feet.

Although mineralization was intersected in each hole no values of economic interest were encountered. It is therefore concluded that the economic mineralization does not reach this horizon.

Diamond drill holes 04, 05 and 06 were drilled to investigate geophysical targets. Hole 04 is located on line 28W at 250S with an azimuth of 0° and a dip of 45°. The probable explanation of the electromagnetic anomaly is a narrow pyrrhotite intersection at 231.2 feet. The core from this area was slightly magnetic and thus the magnetic anomaly. The gravity can only be explained by a ridge in the bedrock topography. Drill hole 05 located on Line 24E at 1150S has an azimuth of 0° and a dip of 45° was drilled to test an electromagnetic anomaly, slight magnetic anomaly and gravity. No explanation for any of the anomalies

page 5....

was observed in the drill hole. Drill hole 06 located on line 8S at 2570S has an azimuth of  $0^{\circ}$  and a dip of  $45^{\circ}$ . It was drilled to test an electromagnetic and gravity anomaly. No explanation for either anomalous conditions was encountered in the hole.

Three diamond drill holes were drilled to investigate the known ore horizon. Drill hole 08 on line 10W at 450S had an azimuth of  $0^{\circ}$  and a dip of  $75^{\circ}$ . This hole was drilled to test the possible eastward extension of the ore lense. Weak copper-zinc mineralisation was intersected at a vertical depth of 700 feet. It would appear from the results of this hole that the economic mineralization does not extend to the east.

Diamond drill holes 09 and 10 drilled on section 16W at 360S and 450S respectively were drilled at an azimuth of  $0^{\circ}$  with respective dips of  $65^{\circ}$  and  $75^{\circ}$ . Drill hole 09 intersected 19 feet of 0.69% Cu and 1.82% Zn at a vertical depth of 480 feet. Hole 10 drilled under hole 09 intersected 18.1 feet of 0.55% Cu and 22.2 feet of 0.73% Zn at a vertical depth of 800 feet.

#### CONCLUSION

From previous and current drilling longitudinal sections were prepared by Mr. J. Lacasse, showing the extent of the copper-zinc mineralization. From these sections it would appear that the mineralization of economic interest does not persist to the east or at depth. Therefore it is concluded that the known ore lense has been delimited. The geophysical anomalies tested outside the known ore zone were not explained with one exception. Hole 04 intersected minor pyrrhotite and magnetite which may have caused the anomalies.

page 6....

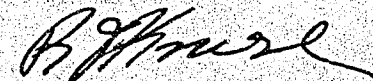
RECOMMENDATIONS

1) It is recommended that a program of diamond drilling be carried out on intermediate sections thus closing the spacing to 200 feet and enabling a more precise calculation of the tonnage and grade of the ore.

2) A horizontal loop electromagnetic survey is recommended using a wide coil separation. This survey would have deep penetration and may disclose additional targets at depth.

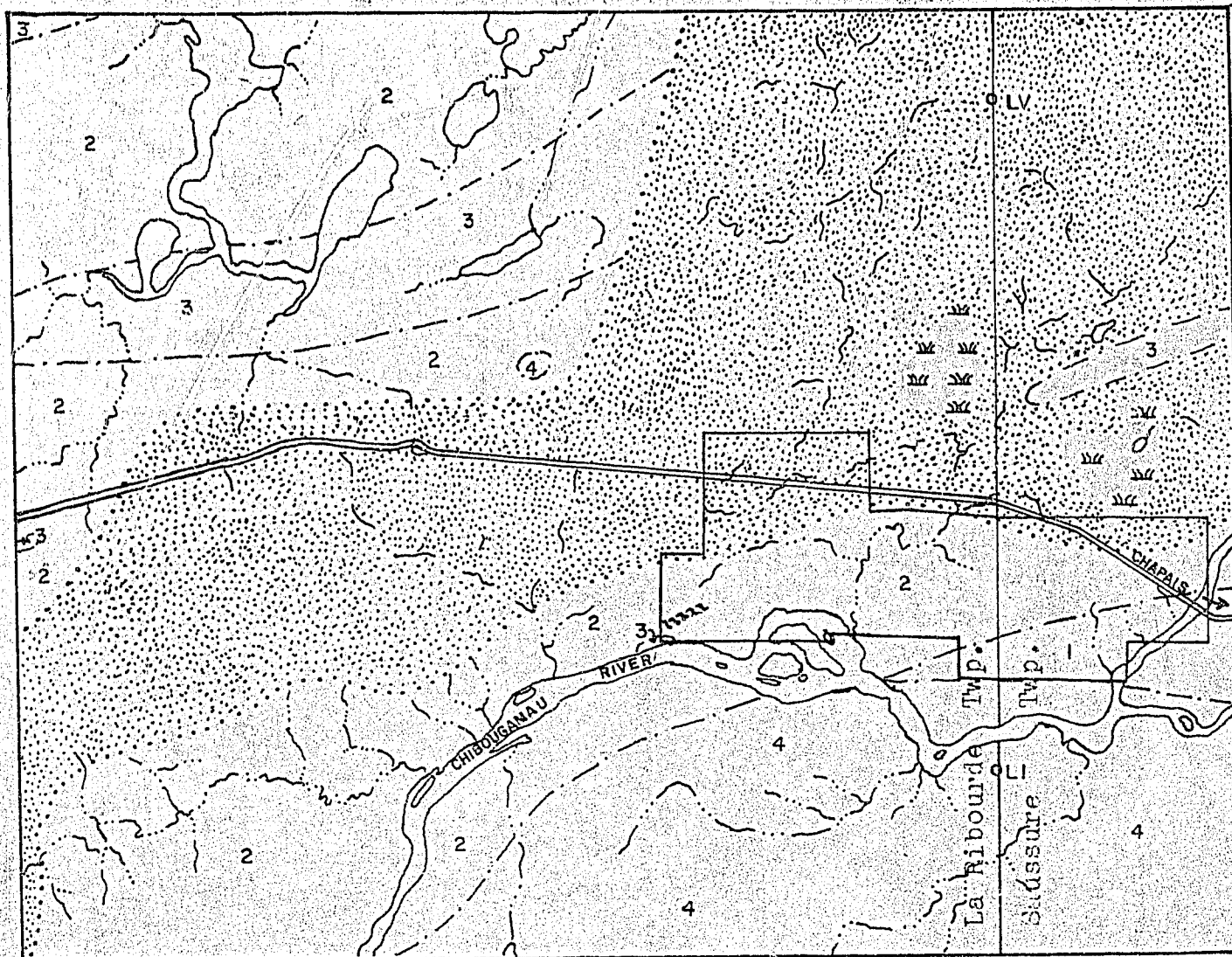
3) Additional drilling of new anomalies found by the electromagnetic survey is recommended.

Respectfully submitted



R. J. Kruse





LEGEND

Precambrian

Post Keewatin

4 Biotite-chlorite Granite

3 Altered Gabbro, Dioritic Gabbro, Pyroxenite

Keewatin

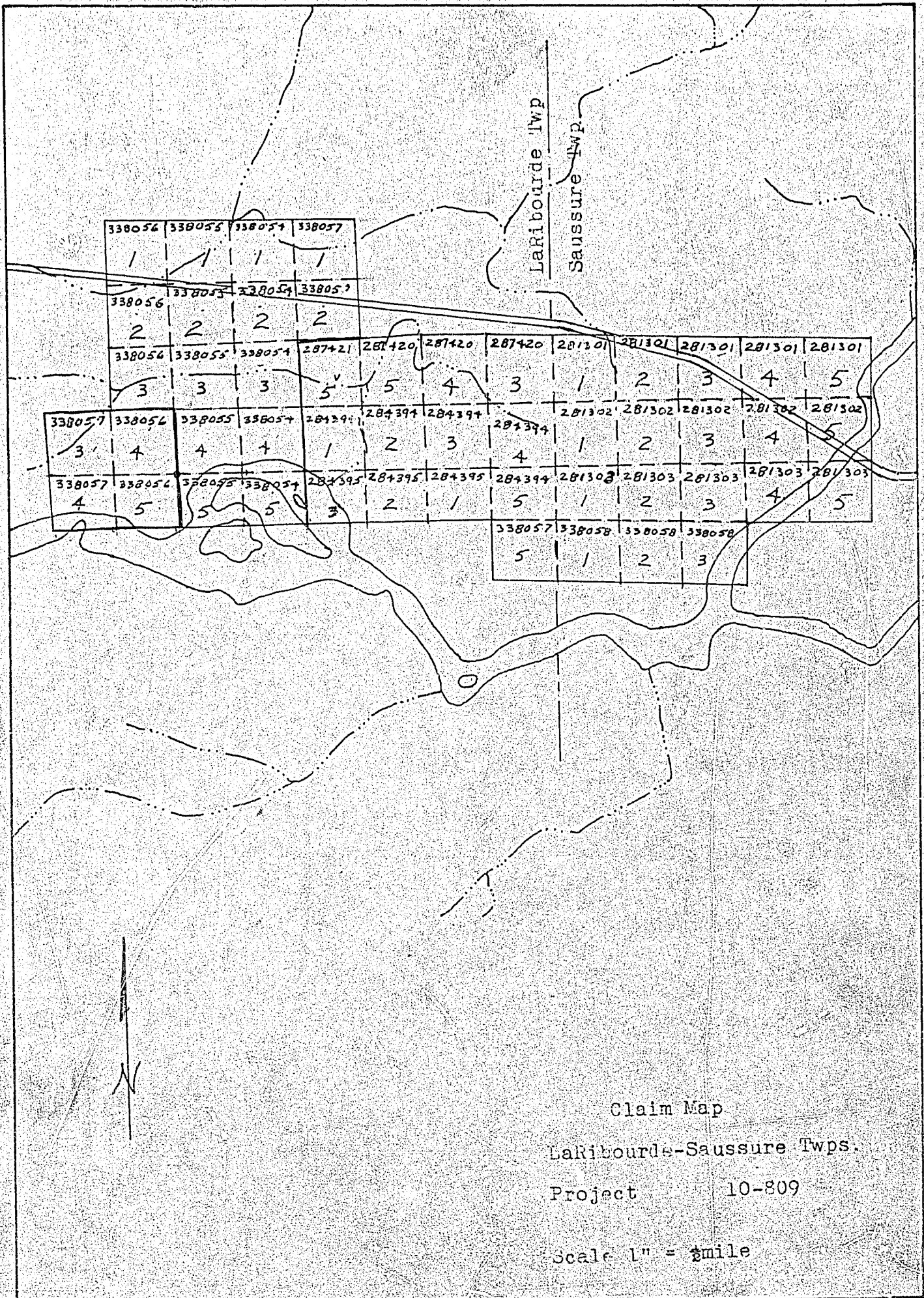
2 Feldspathic Greywacke

1 Basalt to Andesitic Lavas

Regional Geology

La Ribourde (10-809)

Scale 1"=1mile



Claim Map

LaRiboarde-Saussure Twps.

Project 10-809

Scale 1" = 1/2 mile

# BOURLAMAQUE ASSAY OFFICE



MEMBER  
CANADIAN TESTING  
ASSOCIATION

REG'D.

J. C. JENSEN, PROPRIETOR

## Certificate of Analysis

*J. Jensen*

No. 25555

Identification: 4Au, 4Ag, 4Cu, 4 Zn Samples of: Core  
Echantillons de: .....

Received from: J. Kruss Date Received: Jan. 30  
Reçu de: .....

SOQUEM with the following results:  
avec les résultats suivants:

Project No. 10-809-10

TRON	Sample No.	Au oz/ton	Ag oz/ton	Cu %	Zn %
# 10	49244	Trace	0.01	0.03	0.15 714.4 - 718.5
EL	45	Trace	0.01	0.19	0.18 718.5 - 723.5
IC	46	0.03	0.67	1.20	2.04 723.5 - 729.5
IC	47	Trace	0.03	0.26	0.37 729.5 - 736.6

*mesure pondérale (0.55% Cu) = 718.5 - 736.6 9.45 Cu*  
*(0.73% Zn) = 714.4 - 736.6 10.2 Zn*  
*0.20 Ag*



Ministère des Richesses Naturelles, Québec  
 SERVICE DE LA  
 DOCUMENTATION TECHNIQUE  
 Date: **11 NOV. 1974**  
 No. GM: **30159**

*Assayer.*

# BOURLAMAQUE ASSAY OFFICE

REG'D.

J. C. JENSEN, PROPRIETOR



MEMBER  
CANADIAN TESTING  
ASSOCIATION

## Certificate of Analysis

No. 25354

Identification: 15Au, 15Ag, 15Cu, 15Zn Samples of: Core  
Echantillons de:

Received from: R. Cicci Date Received: Nov. 12  
Regu de: SOQUEM Reçu le:

Project No. 10-809-02, 03 with the following results:  
avec les résultats suivants:

Sample No.	Au oz/ton	Ag oz/ton	Cu %	Zn %		
03 { 42340	Nil	Trace	Trace	0.01	1473-1478	
	41	Nil	Trace	0.04	1478-1483	
	42	Nil	Trace	0.02	1483-1489	
	43	Nil	Trace	0.09	1505-1510	
	44	Nil	Trace	0.04	1510-1515	
02 { 45	Nil	Trace	0.06	0.17	1520-1522	
	46	Trace	0.01	0.04	1602-1605	
	47	Nil	Trace	0.01	0.04	1605-1605 <sup>s</sup>
	48	Nil	Trace	0.01	0.02	1611 <sup>s</sup> -1615
	49	Nil	Trace	0.06	0.03	1615-1617 <sup>s</sup>
	42350	Nil	Trace	0.01	0.02	1617 <sup>s</sup> -1620
	42901	Nil	Trace	0.02	0.03	1620-1625
	02	Nil	Trace	0.02	0.11	1625-1630
	03	Nil	Trace	Trace	0.04	1630-1635
	04	Nil	Trace	Trace	0.03	1635-1638



*Alfred...* Assayer.

# BOURLAMAQUE ASSAY OFFICE

REG'D.

J. C. JENSEN, PROPRIETOR



MEMBER  
CANADIAN TESTING  
ASSOCIATION

## Certificate of Analysis

No. 25323

Identification: 5 Ag. Samples of: Core  
 5 Au, 5 Cu, 5 Zn Echantillons de:  
 Received from: R. Cicci Date Received: Nov. 2  
 Regu de: SOQUEM 10-809-02-03  
 with the following results:  
 avec les résultats suivants:

### Project No. 10-809

Sample No.	Au oz/ton	Ag oz/ton	Cu %	Zn %	
02 { 42335	Nil	0.01	0.13	Trace	1454-1457
42336	Nil	Trace	0.03	0.01	1457-1460
42337	Nil	0.01	0.04	0.17	1490-1495
42338	Nil	0.01	0.01	0.01	1570-1575
03 ( 42339	Nil	0.01	Trace	0.04	1426-1430



*Alfred...* Assayer.

# BOURLAMAQUE ASSAY OFFICE



MEMBER  
CANADIAN TESTING  
ASSOCIATION

REG'D.

J. C. JENSEN, PROPRIETOR

## Certificate of Analysis

No. 25231

Identification: 9Au, 9Ag, 9Cu, 9Zn Samples of: Core  
 Echantillons de: .....  
 Received from: Oct. 15 Date Received: R. Cicci  
 Reçu de: ..... Reçu le: .....

SOQUEM

with the following results:  
avec les résultats suivants:

Project No. 10-809-03

<u>Sample No.</u>	<u>Au oz/ton</u>	<u>Ag oz/ton</u>	<u>Cu %</u>	<u>Zn %</u>	
42251	Trace	0.02	0.01	0.01	497-502
52	Nil	0.02	0.01	0.01	502-507
53	Nil	0.12	0.01	0.03	507-509 <sup>s</sup>
54	Nil	0.06	0.02	0.09	509 <sup>s</sup> -512
55	Trace	0.03	0.01	0.03	512-515
56	Trace	0.06	0.01	0.06	515-520 <sup>s</sup>
57	Trace	0.12	0.05	1.82	520 <sup>s</sup> -523 <sup>s</sup>
58	Trace	0.02	0.01	0.02	523 <sup>s</sup> -528 <sup>s</sup>
59	Trace	0.02	Trace	0.01	528 <sup>s</sup> -533 <sup>s</sup>

*Alfred Jensen*

Assayer

Val d'Or, Que., September 26 1973

**BOURLAMAQUE ASSAY OFFICE**

REG'D.

J. C. JENSEN, PROPRIETOR

MEMBER  
CANADIAN TESTING  
ASSOCIATION**Certificate of Analysis**

No. 25171

Identification: 13Au, 13Ag, 13Cu, 14Zn Samples of: Core  
 Echallillons de: .....  
 Received from: R. Cicci Date Received: Sept. 25  
 Reçu de: ..... Reçu le: .....

SOQUEM

with the following results:  
avec les résultats suivants:Project No. 10-809-01

<u>Sample No.</u>	<u>Au oz/ton</u>	<u>Ag oz/ton</u>	<u>Cu %</u>	<u>Zn %</u>	<u>FROM TO</u>
39126	Trace	Trace	Trace	0.01	1375-1377
27	Trace	Trace	Trace	0.01	1401-1405
28	Trace	Trace	Trace	0.03	1405-1408
29	Nil	Trace	Trace	0.16	1408-1411.5
39130	Nil	Trace	0.03	0.25	1411.5-1415
31	Trace	Trace	0.01	0.22	1415-1420
32	Nil	Trace	0.03	0.28	1420-1425
33	Nil	Trace	0.04	0.03	1425-1430
34	Nil	Trace	0.08	0.01	1430-1433
35	Nil	Trace	0.14	0.02	1433-1436
36	Trace	Trace	0.03	0.02	1436-1440
37	Trace	Trace	0.02	0.12	1440-1445
38	Trace	Trace	Trace	0.03	1445-1450
39				Trace	1520-1525

*Stulubard* Assayer.

*Clas. Geochimica 10-809*

# BOURLAMAQUE ASSAY OFFICE

REG'D.

J. C. JENSEN, PROPRIETOR



MEMBER  
CANADIAN TESTING  
ASSOCIATION

## Certificate of Analysis

No. 25525

Identification: 9Au, 9Ag, 9Cu, 9Zn Samples of: Core  
 Echantillons de: Core  
 Received from: J. Kruse Date Received: Jan. 22  
 Reçu de: J. Kruse Reçu le: Jan. 22

SOQUEM with the following results:  
 avec les résultats suivants:

Project No. 10-809-08, 09

<u>Sample No.</u>	<u>Au oz/ton</u>	<u>Ag oz/ton</u>	<u>Cu %</u>	<u>Zn %</u>
-------------------	------------------	------------------	-------------	-------------

08	49235 775.5-780	N11	Trace	0.03	} moyenne pondérée .07 Cu, .12 Zn 14.5'	
	36 780-785	N11	0.01	0.12		
	37 785-790	N11	0.02	0.07		
09	38 573-576	N11	0.02	0.05	}	
	39 576-579	Trace	0.19	0.47		
	49240 579-582.5	0.04	0.96	0.75		3.70
	41 582.5-586	0.38	2.35	2.30		6.80
	42 586-590	N11	0.02	0.04		0.05
	43 590-592	N11	0.13	0.36		0.03

0.21 oz/ton Au, 1.65 oz/ton Ag - 1.52% Cu - 5.25% Zn / 7'

0.14 oz/ton Au, 1.16 oz/ton Ag 1.21% Cu, 3.75% Zn / 10'

$\approx 1.10 / T + 2.00 / T + 3.10 / T + 45.00 = 50 / T$

*Handwritten notes and signatures at the bottom right.*

*Signature of Assayer*  
Assayer.





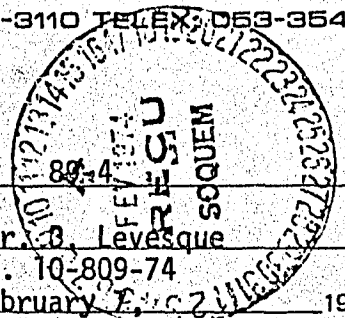


# BONDAR-CLEGG & CO. COMPANY LTD.

784 BELFAST ROAD, OTTAWA, ONTARIO, K1G 0Z5 PHONE: 237-3110 TELEEX: 058-3548

## Geochemical Lab Report

Extraction Cu, Zn, Ag, Au - HNO<sub>3</sub>-HCl Report No. 89-4  
Method A.A. From Soquem - Mr. B. Levesque  
Fraction Used As Received Project No. 10-809-74  
Date February 1, 1974



SECTIONS 10-809-05

SAMPLE NO.	Cu ppm	Zr ppm	Ag $\frac{oz}{ppm}$	Au ppb	d	a	REMARKS
49226	.0060 60	.0024 24	0.0092 0.3	<0.000144 < 5	102'	105'	< means less than
49227	51	30	0.012 0.4	N.D.	105'	110'	N.D. - not detected
49228	61	36	0.0125 0.5	N.D.	110'	115.4'	
49229	56	45	0.0175 0.7	N.D.	153.5'	157.9'	
49230	.0275	84	0.0360 7.2	N.D.	169.5'	171.5'	
49231	.0135	64	0.0275 7.1	<0.000144 < 5	219'	226'	
49232	61.2	6	N.D.	N.D.	333.6'	337'	
49233				N.D.	337'	341'	
49234				N.D.	341'	345.5'	
10-809-05							

# SOQUEM

# JOURNAL des SONDAGES

No 10-809-01

Projet : 10-809      Ord. : \_\_\_\_\_ Profondeur : 0, 100, 200, 300, 500, 700, 900, 1100, 1300  
 Claim : 264394-5      Section : L20W      Ord. : \_\_\_\_\_ Plongée : 82° 79' 77' 77.5' 62° 55' 36' 21' 30' 143' 11'  
 Canton : La Ribourde      Lat. : 10S      Long. : 20W      Azimut : 0      1°E      356°      15E  
 Rang : \_\_\_\_\_      Élévation Orifice : \_\_\_\_\_      Commencé le : 13 Aug. 1973  
 Lot : \_\_\_\_\_      Azimut : 0°      Terminé le : 2 Sept 1973  
 N.T.S. : \_\_\_\_\_      U.T.M. : \_\_\_\_\_      Contracteur : Moderne Drilling

Feuille No 1 de 9  
 De 0 à 81.4  
 Profondeur totale : 1524.5'  
 Journal : B.S. Krieger  
 Date : Sept, 1973

Forage	De	à	GÉOLOGIE	Échelle: 1" = 20'	ÉCHANTILLON				ANALYSES					
					No	de	à	Long.	Zn%	Pb %				
	0	18.0	Casing											
	18.0	33.8	Lapilli Tuff - dark greenish gray, hard, fine grained matrix, bombs up to 1/8" fracturing 45°-60° to core, trace pyrite		42261	18	150	132						
					42262	150	245	95						
					42263	245	410	155						
	33.8	34.0	Quartz-carbonate vein - upper contact 70° to core, lower contact 30° to core		42264	400	550	150	01-1%	.05-.5%				
					42265	550	700	150						
					42266	700	850	150						
	34.0	36.4	Chlorite Schist - dark green, soft schistosity contorted, contacts 30° to core		42267	850	1000	150						
					42268	1000	1150	150						
					42269	1150	1300	150						
	36.4	40.3	Lapilli Tuff - same as above, trace pyrite		42270	1300	1450	150						
					42271	1450	1575	075						
	40.3	43.8	Lapilli Tuff - Dark gray, hard, schistosity 10° to core, trace pyrite											
	43.8	75.1	Lapilli Tuff - Dark gray, hard, schistosity 10° to core, 60.3-60.6 quartz vein with chlorite inclusion fractures 45°-70° to core											
	75.1	81.4	Lapilli Tuff - dark gray, soft to medium hardness, schistosity 10° to core, trace pyrite, fractures 60°-70° to core											

Ministère des Richesses Naturelles, Québec  
 SERVICE DE LA DOCUMENTATION TECHNIQUE  
 Date: 11 NOV 1974  
 No GM: 30159

















# SOQUEM

# JOURNAL des SONDAGES

N° 10-809-01

Projet : \_\_\_\_\_ R : \_\_\_\_\_ Ord. : \_\_\_\_\_ Profondeur : \_\_\_\_\_  
 Claim : \_\_\_\_\_ Section : \_\_\_\_\_ Ord. : \_\_\_\_\_ Plongée : \_\_\_\_\_  
 Canton : \_\_\_\_\_ Lat. : \_\_\_\_\_ Long. : \_\_\_\_\_ Azimut : \_\_\_\_\_  
 Rang : \_\_\_\_\_ Élévation Orifice : \_\_\_\_\_ Commencé le : \_\_\_\_\_  
 Lot : \_\_\_\_\_ Azimut : \_\_\_\_\_ Terminé le : \_\_\_\_\_  
 N.T.S. : \_\_\_\_\_ U.T.M. : \_\_\_\_\_ Contracteur : \_\_\_\_\_

Feuille N° 9 de 9  
 De 1319.4 à 1525.0  
 Profondeur totale : 1525.0  
 Journal : \_\_\_\_\_  
 Date : \_\_\_\_\_

Forage	De	à	GÉOLOGIE	Échelle: 1" = 20'	ÉCHANTILLON				ANALYSES										
					N°	de	à	Long.	AU	Ag	Cu	Zn	Co %	Ni %	H <sub>g</sub> ppb	# d'analyse			
	1319.4	1345.0	Tuff - dark grey, fine grained, silicious bedding 70° to core, trace pyrite, 1342.4 graphite																
	1345.0	1367.7	Tuff - black, fine grained, soft, chloritic, Bedding 65° to core graphitic 1346.1 trace po 1355.0-1357.1 Lost Core																
	1367.7	1450.0	Tuff - dark grey, fine grained silicious Bedding 70° to core 1375.0-1377.0 trace Po. 1401.0-1450.0 trace cp, Po passable Zn.					39126	1375.0	1377.0	2'	Tr	Tr	Tr	0.01				
								27	1401.0	1405.0	4'	Tr	Tr	Tr	0.01				
								28	1405.0	1408.0	3'	Tr	Tr	Tr	0.02	0.0013	0.0031	160	45897
								29	1408.0	1411.5	3.5'	Nil	Tr	Tr	0.16				
								39130	1411.5	1415.0	3.5'	Nil	Tr	0.03	0.25	.25% / 17'			
								31	1415.0	1420.0	5'	Tr	Tr	0.01	0.22				
	1450.0	1483.3	Tuff - dark greenish grey, fine grained, hard, Bedding 70° to core					32	1420.0	1425.0	5'	Nil	Tr	0.03	0.28	0.0021	0.0032	35	45898
								33	1425.0	1430.0	5'	Nil	Tr	0.04	0.03				
	1483.3	1525.0	Tuff - light grey, fine grained, hard, fine brown specks passable Zinc or Biotite 1493.7 4" Quartz vein 1525.0 End of hole					34	1430.0	1433.0	3'	Nil	Tr	0.08	0.01				
								39135	1433.0	1436.0	3'	Nil	Tr	0.14	0.02				
								36	1436.0	1440.0	4'	Tr	Tr	0.03	0.02				
								37	1440.0	1445.0	5'	Tr	Tr	0.02	0.12	0.0016	0.0031	30	45899
								38	1445.0	1450.0	5'	Tr	Tr	Tr	0.03				
								39139	1520.0	1525.0	5'				Tr				

RT Krause



















SOQUEM

JOURNAL des SONDAGES

N<sup>o</sup> 10-809-02

Projet : \_\_\_\_\_ Ord. : \_\_\_\_\_ Profondeur : \_\_\_\_\_  
 Claim : \_\_\_\_\_ Section : \_\_\_\_\_ Ord. : \_\_\_\_\_ Plongée : \_\_\_\_\_  
 Canton : \_\_\_\_\_ Lat. : \_\_\_\_\_ Long. : \_\_\_\_\_ Azimut : \_\_\_\_\_  
 Rang : \_\_\_\_\_ Élévation Orifice : \_\_\_\_\_ Commencé le : \_\_\_\_\_  
 Lot : \_\_\_\_\_ Azimut : \_\_\_\_\_ Terminé le : \_\_\_\_\_  
 N.T.S. : \_\_\_\_\_ U.T.M. : \_\_\_\_\_ Contracteur : \_\_\_\_\_

Feuille N<sup>o</sup> 9 de 10  
 De 1308.5 à 1515.9  
 Profondeur totale : \_\_\_\_\_  
 Journal : *RJK*  
 Date : \_\_\_\_\_

Forage	De	à	GÉOLOGIE	Échelle: 1" = 20'	ÉCHANTILLON				ANALYSES									
					N <sup>o</sup>	de	à	Long.	Cu	Zn	Au	Ag						
	1365.5	1405.4	Tuff - dark grey, fine grained, hard silicious in part, some chlorite on slips, 1361.5-1364.1 biotite rich 1365.0-1367.3 biotite rich															
	1405.4	1416.7	Tuff - dark grey to brownish, medium grained, soft, some chlorite and biotite.															
	1416.7	1499.7	Tuff - dark grey to brownish, fine grained soft, banding 60° to core some chlorite and biotite 1416.8 1" Quartz vein 1452.0 4" " " 1454.0-1460.0 trace, pyrrhotite, pyrite + chalcopyrite 1466.0-1467.7 biotite rich 1479.6 trace pyrrhotite 1479.8-1480.9 biotite rich 1490.0-1495.0 trace pyrite pyrrhotite + chalcopyrite 1496.6-1497.6 biotite rich															
	1499.7	1511.6	Tuff - brown, fine grained, soft banding 70° to core, biotite rich															
	1511.6	1515.9	Tuff - black, fine grained, hard 1512.5															
					42335	1454	1457	3	0.13	TR	Nil	0.01						
					42336	1457	1460	3	0.03	0.01	Nil	TR						
					42337	1490	1495	5	0.04	0.17	Nil	0.01						

SOQUEM

JOURNAL des SONDAGES

N<sup>o</sup> 10-809-02

Projet : \_\_\_\_\_ R : \_\_\_\_\_ Ord. : \_\_\_\_\_ Profondeur : \_\_\_\_\_  
 Claim : \_\_\_\_\_ Section : \_\_\_\_\_ Ord. : \_\_\_\_\_ Plongée : \_\_\_\_\_  
 Canton : \_\_\_\_\_ Lat. : \_\_\_\_\_ Long. : \_\_\_\_\_ Azimut : \_\_\_\_\_  
 Rang : \_\_\_\_\_ Élévation Orifice : \_\_\_\_\_ Commencé le : \_\_\_\_\_  
 Lot : \_\_\_\_\_ Azimut : \_\_\_\_\_ Terminé le : \_\_\_\_\_  
 N.T.S. : \_\_\_\_\_ U.T.M. : \_\_\_\_\_ Contracteur : \_\_\_\_\_

Feuille N<sup>o</sup> 10 de 10  
 De 1515.9 à 1666.0  
 Profondeur totale : \_\_\_\_\_  
 Journal : *P. J. B.*  
 Date : Nov 13, 1973

Forage	De	à	GÉOLOGIE	Échelle: 1" = 20'	ÉCHANTILLON				ANALYSES										
					N <sup>o</sup>	de	à	Long.	Co	Zn	As	Ag	Co %	Ni %	Hg ppb	# d'analyse			
	1515.4	1518.3	Tuff - light grey, fine grained, hard, finely banded 70° to core																
	1518.5	1523.8	Tuff - black, fine grained, soft, banding 80° to core, graphitic trace pyrrhotite																
	1533.4	1543.8	Tuff - dark grey, fine grained, hard, banded 80° to core, 1539.5-1540.7 biotite rich.																
	1543.8	1605.5	Tuff - light grey, fine grained, soft finely banded 80° to core 1570.0-1575.0 trace pyrrhotite pyrite, chalcopyrite 1585.7-1586.9 Quartz vein 1598.7 chloritic 1602.3 splashed chalcopyrite 1602.0-1605.0 trace pyrrhotite and pyrite.					42338	1570	1575	5	0.01	0.01	Nil	0.01				
	1605.5	1642.6	Tuff - dark brown to grey, fine grained, hard, finely banded 80° to core 1611.5-1638.0 trace pyrrhotite, pyrite chalcopyrite, 1646.0-1647.0 trace pyrite					42346	1602	1605	3	0.31	0.04	Tr	0.01				
	1642.6	1666.0	Tuff - light greenish grey, fine grained, hard, banding 80° to core					42347	1605	1611.5	6.5	0.01	0.04	Nil	Tr				
								42348	1611.5	1615	3.5	0.01	0.02	Nil	Tr	0.0014	0.0035	45	45841
								42349	1615	1617.5	2.5	0.06	0.03	Nil	Tr				
								42350	1617.5	1620	2.5	0.01	0.02	Nil	Tr				
								42901	1620	1625	5	0.02	0.03	Nil	Tr				
								42902	1625	1630	5	0.02	0.11	Nil	Tr				
								42903	1630	1635	5	Tr	0.04	Nil	Tr	0.0014	0.0032	65	45843
								42904	1635	1638	3	Tr	0.03	Nil	Tr				

SOQUEM

JOURNAL des SONDAGES

N<sup>o</sup> 10-809-03

Projet : 10-809 B : \_\_\_\_\_ Ord. : \_\_\_\_\_  
 Claim : 284394-5 Section : 8W Ord. : \_\_\_\_\_  
 Canton : La Ribourde Lat. : 41.5 Long. : LBW  
 Rang : \_\_\_\_\_ Élévation Orifice : \_\_\_\_\_  
 Lot : \_\_\_\_\_ Azimut : 0  
 N.T.S. : 32 G/13 U.T.M. : \_\_\_\_\_

Profondeur : 0 100' 300' 500' 700' 900' 1100' 1300' 1400' 1500'  
 Plongée : 80° 75° 67° 30' 50° 46° 37° 25' 25' 18' 7'  
 Azimut : 0  
 Commencé le : Sept. 27, 1973  
 Terminé le : Oct. 17, 1973  
 Contracteur : Moderne Drilling

feuille N<sup>o</sup> 1 de 10  
 De 0 à 176.9  
 Profondeur totale : 1576.0  
 Journal : R. H. H. H.  
 Date : Nov 3, 1973

Forage	De	à	GÉOLOGIE	Échelle: 1" = 20'	ÉCHANTILLON				ANALYSES					
					N <sup>o</sup>	de	à	Long.						
	0	140.0	Casing											
	140.0	153.2	Amphibolite - dark green, medium to fine grained, soft to medium hardness, some chlorite on slips, schistosity 30° to core											
			39.4 1" Quartz vein		42916	39	200	160						
			45.8 1" " "		42917	200	350	150						
			50.1 1/4" Pyrrhotite to core		42918	350	500	150						
			71.7 1" Quartz vein		42919	500	650	150						
			72.1 1" " "		42920	650	800	150						
			72.5 3" " "		42921	800	950	150						
			100.7-101.6 " "		42922	950	1100	150						
			101.3-104.6 " "		42923	1100	1250	150						
			112.1 6" " "		42351	1250	1400	150						
			123.0 4" " "		42352	1400	1576	175						
			131.2 1" " " 30° to core											
			137.2 6" " "											
			138.3 1" " "											
			143.3 1" " "											
	153.2	176.9	Tuff - dark greenish grey, fine grained soft, schistosity 30° to core											
			164.0 3" Quartz vein											
			164.9 4" " "											
			166.0-167.0 19" Pierre de Roche Plaine											

← analyse 30 elements 1 écb/10' →

← 30 éléments 1 écb/10' →

Rien de significatif à signaler dans les analyses 30 éléments de ce trou.

SOQUEM

JOURNAL des SONDAGES

N<sup>o</sup> 10-809-03

Projet : \_\_\_\_\_ Ord. : \_\_\_\_\_ Profondeur : \_\_\_\_\_  
 Claim : \_\_\_\_\_ Section : \_\_\_\_\_ Ord. : \_\_\_\_\_ Plongée : \_\_\_\_\_  
 Canton : \_\_\_\_\_ Lat. : \_\_\_\_\_ Long. : \_\_\_\_\_ Azimut : \_\_\_\_\_  
 Rang : \_\_\_\_\_ Élévation Orifice : \_\_\_\_\_ Commencé le : \_\_\_\_\_  
 Lot : \_\_\_\_\_ Azimut : \_\_\_\_\_ Terminé le : \_\_\_\_\_  
 P.T.S. : \_\_\_\_\_ U.T.M. : \_\_\_\_\_ Contracteur : \_\_\_\_\_

Feuille n<sup>o</sup> 2 de 10  
 De 176.9 à 501.7  
 Profondeur totale : \_\_\_\_\_  
 Journal : BjH  
 Date : \_\_\_\_\_

Forage	De	à	GÉOLOGIE	Échelle: 1" = 20'	ÉCHANTILLON				ANALYSES					
					N <sup>o</sup>	de	à	Long.	Cu	Zn	Au	Ag		
			172.0-176.9 trace pyrite on slips											
	176.9	226.6	Tuff - Brown to greenish grey, soft schistosity 30° to core, sericitized in part,											
			207.3 1/4" pyrrhotite 30° to core											
	226.6	255.0	Tuff - Black to dark grey, fine grained soft, chloritic											
			240.0-242.0 1/8" pyrrhotite											
			249.5-255.0 1/8" pyrite											
	255.0	276.4	Tuff - Brown, medium grained soft, schistosity 30° to core											
			263.2-263.7 pyrrhotite and trace chalcopyrite											
	276.4	501.7	Tuff - dark grey to brown, soft fine grained schistosity 40° to core @ 304.0											
			294.0 trace pyrite											
			347.5 6" graphitic											
			379.0-380.0 trace pyrite											
			391.0-392.4 Quartz vein											
			397.0-398.0 trace pyrrhotite + pyrite											
			440.3-442.0 Biotite rich											
			462.5-464.3 Biotite rich											
					42251	497	502	5	0.01	0.01	Tr.	0.02		

















SOQUEM

JOURNAL des SONDAGES

N<sup>o</sup> 10-809-03

Projet : \_\_\_\_\_ & : \_\_\_\_\_ Ord. : \_\_\_\_\_ Profondeur : \_\_\_\_\_  
 Claim : \_\_\_\_\_ Section : \_\_\_\_\_ Ord. : \_\_\_\_\_ Plongée : \_\_\_\_\_  
 Canton : \_\_\_\_\_ Lat. : \_\_\_\_\_ Long. : \_\_\_\_\_ Azimut : \_\_\_\_\_  
 Rang : \_\_\_\_\_ Élévation Orifice : \_\_\_\_\_ Commencé le : \_\_\_\_\_  
 Lot : \_\_\_\_\_ Azimut : \_\_\_\_\_ Terminé le : \_\_\_\_\_  
 N.T.S. : \_\_\_\_\_ U.T.M. : \_\_\_\_\_ Contracteur : \_\_\_\_\_

Feuilles n<sup>os</sup> 10 de 10  
 De 1388.6 à 1576.0  
 Profondeur totale : \_\_\_\_\_  
 Journal : *Piffard*  
 Date : \_\_\_\_\_

Forage	De	à	GÉOLOGIE	Échelle: 1" = 20'	ÉCHANTILLON				ANALYSES							
					N <sup>o</sup>	de	à	Long.	Co	Zn	Au	Ag	Co %	Ni %	Hg ppb	d'analyse
	1388.6	1425.4	Tuff - dark grey, fine grained, hard banding 80° to Core													
			1407.2 1" Quartz vein													
			1410.5 3" " "													
			1411.5 3" " "													
			Biotite rich - 1405.9 - 1406.6,													
			1410.1 - 1410.3, 1413.1 - 1414.0,													
			1414.5 - 1415.4, 1418.5 - 1418.9,													
			1419.6 - 1420.0													
	1425.4	1425.9	Quartz vein													
	1425.9	1457.0	Tuff - dark-medium grey, fine grained, siliceous, banding 80° to core													
			1426.0 - 1430.0 trace pyrite													
			biotite rich - 1446.8 - 1447.3,													
			1450.6 - 1453.2, 1454.3 - 1454.7													
	1457.0	1473.0	Tuff - dark grey, fine grained, soft, finely banded 80° to core, 1457.0 -													
			1462.4 graphitic, biotite rich													
			1471.2 - 1471.5													
	1473.0	1576.0	Tuff light grey, fine grained, siliceous													
			finely banded 80° to core, trace													
			pyrrhotite, chalcopyrite, pyrite													
			to 1548.2, biotite rich - 1535.9 -													
			1546.1 1479.9 - 1481.0													

N <sup>o</sup>	de	à	Long.	Co	Zn	Au	Ag	Co %	Ni %	Hg ppb	d'analyse
42339	1426	1430	4	Tr.	0.04	Nil	0.01				
42340	1473	1478	5	Tr.	0.01	Nil	Tr.	0.0018	0.0031	125	45849
42341	1478	1483	5	Tr.	0.04	Nil	Tr.				
42342	1483	1489	6	0.02	0.03	Nil	Tr.				
42343	1505	1510	5	0.09	0.02	Nil	Tr.	0.0037	0.0033	65	75850
42344	1510	1515	5	0.04	0.03	Nil	Tr.				
42345	1520	1522	2	0.06	0.17	Nil	Tr.				









# SOQUEM

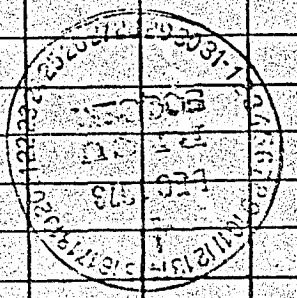
## JOURNAL des SONDAGES

N° 10-809-05

Projet : 10-809 Ord. : \_\_\_\_\_ Profondeur : 0 | 100' | 300' | 479'  
 Claim : 291305-3 Section : 24E Ord. : \_\_\_\_\_ Plongée : -45° | 42°30' | 42° | 33'  
 Canton : La Rivourde Lat. : 11°50'S Long. : 24E Azimut : 0  
 Rang : \_\_\_\_\_ Élévation Orifice : \_\_\_\_\_ Commencé le : Nov. 10, 1975  
 Lot : \_\_\_\_\_ Azimut : 0 Terminé le : Nov. 17, 1975  
 N.T.S. : 32 1/13 U.T.M. : \_\_\_\_\_ Contracteur : Continental Drilling Ltd.

Feuille N° 1 de 5  
 De 0 à 115.4'  
 Profondeur totale : 479'  
 Journal : B. J. H. ...  
 Date : Nov. 30, 1975

Forage	De	à	GÉOLOGIE	Échelle: 1" = 20'	ÉCHANTILLON				ANALYSES								
					N°	de	à	Long.	Cu	Zn	Ag	Au					
	0	45.0	Casing -							%	%	oz/t	oz/t				
	45.0	58.0	Tuff - brownish, fine grained soft, finely banded, banding 35° to core, some biotite														
	58.0	60.0	Lapilli Tuff - dark green, fine grained soft, chloritic														
	60.0	63.1	Tuff - dark green, fine grained, soft, banding 60° to core chloritic														
	63.1	74.1	Lapilli Tuff - same as above banding 55° to core														
	74.1	97.1	Tuff - dark green, fine grained soft, banding 70° to core														
	86.0	86.8	1% pyrite - slightly magnetic														
	92.3		3" quartz vein 60° to core, 1% pyrite														
	97.1	115.4	Lapilli Tuff - dark green, fine grained lapilli 1/8", some biotite slips near upper contact,														
	102.4	104.2	1% Pyrite						49226	102.0	105.0	3.0	.006	.002	.0042	<.00014	
	107.2	110.0	trace pyrite						49227	105.0	110.0	5.0	.005	.003	0.012	N.D.	
	112.0	113.5	trace pyrite						49228	110.0	115.4	5.4	.006	.004	0.015	N.D.	
	115.0	115.4	1% pyrite														



N.D. = non-découvert

























Projet : \_\_\_\_\_ R : \_\_\_\_\_ Ord. : \_\_\_\_\_ Profondeur : \_\_\_\_\_  
 Claim : \_\_\_\_\_ Section : \_\_\_\_\_ Ord. : \_\_\_\_\_ Plongée : \_\_\_\_\_  
 Canton : \_\_\_\_\_ Lat. : \_\_\_\_\_ Long. : \_\_\_\_\_ Azimut : \_\_\_\_\_  
 Rang : \_\_\_\_\_ Élévation Orifice : \_\_\_\_\_ Commencé le : \_\_\_\_\_  
 Lot : \_\_\_\_\_ Azimut : \_\_\_\_\_ Terminé le : \_\_\_\_\_  
 N.T.S. : \_\_\_\_\_ U.T.M. : \_\_\_\_\_ Contracteur : \_\_\_\_\_

Feuille N<sup>o</sup> 5 de 6  
 De 682.0 à 805.0  
 Profondeur totale : \_\_\_\_\_  
 Journal : \_\_\_\_\_  
 Date : \_\_\_\_\_

Forage	De	à	GÉOLOGIE	Échelle: 1" = 20'	ÉCHANTILLON				ANALYSES				
					N <sup>o</sup>	de	à	Long.	Cu	Zn	Ag	Au	
	682.0	683.5	Lapilli Tuff - same as above										
	683.5	733.4	Tuff - Interbedded dark & light grey, fine grained, finely banded 60° to core, sheared in part 687.5 2" quartz vein 695.4-695.9 2% pyrite, trace chalcOPYrite 707.4-709.6 Lapilli Tuff 731.5 4" quartz vein										
	733.4	735.6	Tuff - black, fine grained, banding 60° to core, graphitic, slightly magnetic										
	735.6	765.1	Tuff - dark grey to black, fine grained finely banded 60° to core, some biotite 746.8 trace pyrrhotite 749.1-750.6 trace pyrrhotite on slips										
	765.1	805.0	Tuff - dark grey, fine grained, soft banding 50° to core, chloritic on slips 775.6-790.0 1% pyrrhotite, trace chalcOPYrite 798.1 3" quartz breccia										

										Cu	Zn	Ag
49235	775.5	780.0	4.5'	0.03	0.10	Tr	Nil	Moyenne pondérée				
49236	780.0	785.0	5'	0.12	0.09	0.01	Nil		0.07	0.12	Nil	14.5'
49237	785.0	790.0	5'	0.01	0.17	0.02	Nil					















JOURNAL des SONDAGES

No 10-809-10

10-809

284394-4

La Ribourde

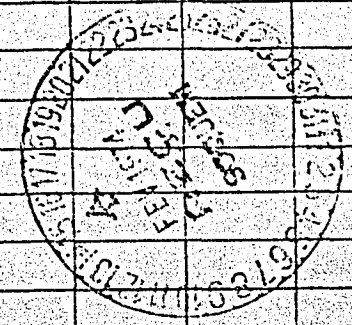
Section : L14W  
 Lat. : 4503  
 Long. : L 14 W  
 Elevation Orifice :  
 Azimut : 0  
 U.T.M. :

Ord. :  
 Profondeur : 0 100 200 300 400 500  
 Plongée : -75° -71° -65° -53° -35°  
 Azimut : 0  
 Commencé le : 24 Jan 1974  
 Terminé le : 28 Jan 1974  
 Contracteur : Continental Drilling

Feuille No 1 de 5  
 De 0 à 245.0'  
 Profondeur totale : 840.0'  
 Journal : B. Girard  
 Date : Feb 8, 1974

Profondeur	GÉOLOGIE	Échelle: 1" = 20'	ÉCHANTILLON				ANALYSES								
			No	de	à	Long.									
0-96.0	Casing														
96.0-111.3	Lapilli Tuff - dark grey, medium grained, soft, lapilli 1/4"														
111.3-144.4	Tuff - dark grey, fine grained, soft, some chlorite on slips, minor biotite and sericite, banding 70° to core 130.6 2" quartz vein														
144.4-170.5	Tuff - dark grey, fine grained, massive hard, banding 70° to core 158.1 trace pyrite 163.3 1" Quartz vein														
170.5-194.2	Tuff - dark green, fine grained, soft chloritic, sheared, schistosity 70° to core														
194.2-211.0	Tuff - dark grey, fine grained, soft, chloritic, some sericite on slips banding 70° to core														
211.0-225.7	Tuff - dark grey, fine grained, hard, siliceous in part, finely banded 70° to core														
225.7-245.0	Lapilli Tuff - dark grey, medium grained, soft, lapilli up to 1/4"														

56 Pages



Ministère des Richesses Naturelles, Québec  
 SERVICE DE LA DOCUMENTATION TECHNIQUE  
 Date: 11 NOV 1974  
 No GM:









Projet : \_\_\_\_\_ R : \_\_\_\_\_ Ord. : \_\_\_\_\_ Profondeur : \_\_\_\_\_  
 Claim : \_\_\_\_\_ Section : \_\_\_\_\_ Ord. : \_\_\_\_\_ Plongée : \_\_\_\_\_  
 Canton : \_\_\_\_\_ Lat. : \_\_\_\_\_ Long. : \_\_\_\_\_ Azimut : \_\_\_\_\_  
 Rang : \_\_\_\_\_ Élévation Orifice : \_\_\_\_\_ Commencé le : \_\_\_\_\_  
 Lot : \_\_\_\_\_ Azimut : \_\_\_\_\_ Terminé le : \_\_\_\_\_  
 N.T.S. : \_\_\_\_\_ U.T.M. : \_\_\_\_\_ Contracteur : \_\_\_\_\_

Feuille N° 5 de 5  
 De 681.3' à 840.0'  
 Profondeur totale : \_\_\_\_\_  
 Journal : \_\_\_\_\_  
 Date : \_\_\_\_\_

De	à	GÉOLOGIE	Échelle: 1" = 20'	ÉCHANTILLON				ANALYSES					
				N°	de	à	Long.	Cu	Zn	Au	Ag		
681.3	723.5	Tuff - dark grey to black, fine grained head, finely banded 60° to core Some chlorite from 714.4 to 723.5 with trace pyrrhotite, chalcopyrite pyrite + Sphalerite 681.3 - 692.3 graphite on slips 705.7 - 711.3 " " " 708.7 1" Quartz vein											
723.5	729.9	Massive Sulphides - 725.8 - 727.4 tuff same as above.											
729.9	736.6	Tuff - dark grey, fine grained, soft, chloritic, trace pyrrhotite chalcopyrite pyrite + Sphalerite											
736.6	770.5	Tuff - dark grey, fine grained, massive banding 70° to core, some biotite + chlorite on slips 755.5 - 774.9 1% pyrite on slips 775.4 1" Quartz vein											
770.5	792.5	Tuff - Light grey, fine grained, hard banding 70° to core, 795.0 - 797.5 chloritic											
792.5	810.9	Tuff - dark grey, fine grained, hard, massive 809.6 - 810.9 Quartz vein brecciated has some biotite											
				49244	714.4	718.5	4.1'	0.03	0.15	Trace	0.01		
				49245	718.5	723.5	5'	0.19	0.18	Trace	0.01		
				49246	723.5	729.5	6'	1.20	2.04	0.03	0.67		
				49247	729.5	736.6	7.1'	0.26	0.37	Trace	0.03		