

GM 51583

REPORT ON THE WINTER DIAMOND DRILL PROGRAM ON THE EASTERN SECTOR OF THE VALEST AGNICO EAGLE-COMINCO J.V. PROPERTY

Documents complémentaires

Additional Files



Licence



License

Cette première page a été ajoutée
au document et ne fait pas partie du
rapport tel que soumis par les auteurs.

Énergie et Ressources
naturelles

Québec 



MINISTÈRE DE L'ÉNERGIE ET DES RESSOURCES
SERVICE DE LA GESTION DES DOCUMENTS
DIVISION DU MICROFILM

CE MICROFILM EST PRODUIT POUR LE
SERVICE DE LA GÉOINFORMATION

GM

5 1 5 8 3

MICROFILMÉ PAR LA DIVISION DU MICROFILM

CAMÉRA:

MODÈLE
MRD-2-1

NUMÉRO DE SÉRIE

TAUX DE RÉDUCTION:

27 x

DATE:

26 FEVRIER 93

OPÉRATEUR(TRICE):

J.B.

72 29 9 27

REPORT ON THE 1992 WINTER
DIAMOND DRILL PROGRAM
ON THE EASTERN SECTOR OF THE VALEST
AGNICO EAGLE-COMINCO J.V. PROPERTY
VALRENNES TOWNSHIP, ABITIBI, QUEBEC

MER - S.I.S.E.M.

1993/02/08

GM 51583

ÉNERGIE ET RESSOURCES
SECTEUR MINES

MAY 10, 1992

10 SEP. 1992

Bureau régional Val d'Or

Stefan B. Lopatka
by: Stefan B. Lopatka, M.Sc.A
Project Geologist, Joutel

92273 207

TABLE OF CONTENT

SUMMARY1-2
INTRODUCTION.....3
LOCATION, ACCESS & PHYSIOGRAPHY.....3-4
CLAIMS4
GENERAL GEOLOGY5
GEOLOGY OF THE EASTERN SECTOR OF THE VALEST PROPERTY....5-7
DDH DESCRIPTION.....8-10
CONCLUSIONS11
RECOMMENDATIONS.....11-12
DIAMOND DRILL LOGS.....APPENDIX I
CERTIFICATES OF ANALYSISAPPENDIX II
SURFACE PLAN OF DDH LOCATIONS..MAP 73-1 & 73-2...MAP POCKET

SUMMARY

The winter diamond drill program on the eastern sector of the VALEST Agnico-Cominco Joint-Venture property consisted of 2 holes totalling 498 m. (1,634 ft.). This program was part of a four hole program designed to trace the three principle sedimentary-exhalative horizons of the Joutel Volcanic Complex identified on Agnico-Eagle properties to the South East onto the eastern sector of the Valest property. Hole VA-92-50, drilled to test the Main Iron Carbonate Horizon, intersected a major mylonitic structure. The stratigraphy encountered is correlatable with the main Iron Carbonate Horizon, and the position of the Iron Carbonate is occupied by a 3.8 m White Carbonate Horizon which is weakly (tr-10%) pyritic. No Gold values were returned, however, a weak Arsenic and Lead anomaly along with elevated Fe values were detected. This suggests that the Main Iron Carbonate Horizon continues onto the Valest property, but intensity of deformation has leached the Iron Carbonates and limited its Auriferous potential. Tracing of the horizon beyond this hole is tenuous as the I.P. trend becomes strongly disrupted. Further potential exists were this horizon exits the mylonitic zone.

Hole VA-92-52 was drilled to test the interpreted extension of the Valrennes "BD" massive sulphide horizon. The position of this horizon on the Valest property is speculative, as the strong I.P. trend marking this horizon on the Valrennes "BD" grids disappears on the Valest grid. The hole was targeted to intersect an strong I.P. anomaly on the lower part of the Valest grid, which should represent the lower stratigraphic cycles of the Joutel Volcanic Complex. The hole intersected a lower sequence of, andesitic flows over 90 m., overlain by massive to brecciated Dacitic flows over 36.9 m. This is overlain by 32 m sequence of coarse to fine clastic sediments and minor cherts. This sequence is weakly pyritic (tr-3%) throughout, with local concentrations of 10-20% in the upper sections. The lower part of this sedimentary sequence returned significant anomalies in Zinc (1000- 3428 ppm),

and weak anomalies in Copper (300-729 ppm) and arsenic (10 to 20 ppm). The sedimentary package is overlain by a mixed sedimentary tuffaceous package for 54 m. The hole ended in Dacitic to Rhyodacitic Lapilli tuffs. This stratigraphic sequence is potentially correlatable with hole 92-D-24 drilled at the NW end of the Valrennes "D" grid approximately 3.6 km. to the SE. This suggests that the Massive Sulphide Horizon potential continues across the Valest property. The Zinc anomalies may indicate a Base Metal source on this horizon.

The results of this drill program have shown that two of the important stratigraphic horizons of the Joutel Volcanic Complex continue onto the Valest property, however, their positions are complicated by structural disruptions and lack of well defined geophysical responses. Further work is required to identify the horizons and targets on them which may hold potential for mineral concentrations.

INTRODUCTION

The winter 1992 diamond drill program on the Agnico Eagle-Cominco Joint Venture VALEST property consists of two holes of a four hole program aimed at identifying and intersecting the three principle exhalative-sedimentary horizons of the Joutel Volcanic Complex identified across the Agnico Eagle properties. These horizons include: C) the Main Iron Carbonate Horizon which hosts the Agnico Eagle Mines Gold Deposits; B) the Massive Pyrite-Iron Carbonate Horizon (stripped zone); and A) the Exhalative Massive Pyrite Horizon of the Valrennes "BD" property, believed to be the equivalent of the Base Metal Horizon of the southern portion of the Joutel Volcanic Complex. Of the 4 holes drilled during this program two occur on claims of the Valest property and two occur on claims of the Valrennes "ACE" property. This report documents the results of the two holes drilled on the Valest property.

LOCATION, ACCESS AND PHYSIOGRAPHY

The Valest property jointly owned by Agnico-Eagle Mines Ltd. and Cominco Ltd. spans 27.5 km across the northern part of Estrades and Valrennes Townships in northern Abitibi, Quebec. The eastern sector of the property, on which this drill program was carried out, lies approximately 17 km. NW of the town of Joutel in the north eastern quarter of Valrennes township. Access to the area is by a series of interconnected winter drill roads starting at the Eagle Minesite. Summer access is by boat along the Harricana river which skirts the north eastern edge of the eastern sector of the Valest property.

The majority of the property is low lying, covered by muskeg swamps. Outcrop is scarce, generally less than 1%, and occurs in several ridges parallel to the Harricana River, and as isolated outcrop areas with little lateral continuity. Maximum relief is

less than 15 m. Major drainage is toward the NW along the Harricana, Plamondon and Mistaouac Rivers, with subsidiary drainage in intermittent creeks in various directions. Water is generally scarce on the property. The Eastern Sector of the property has the same physiographic character as the rest of the property. A central NW trending outcrop ridge acts as a drainage divide into the Harricana River to the NE and the Plamondon River to the SW.

CLAIMS

Drilling was carried out on the following claims, which are owned jointly by Agnico-Eagle and Cominco:

439913-4

439411-4

GENERAL GEOLOGY

The Valest property is located in the northwestern end of the Joutel Volcanic Complex, of the Harricana-Turgeon volcano-sedimentary belt, which comprises the northern sector of the Abitibi-Greenstone Belt. The Joutel Volcanic Complex consists of at least 4 mafic to felsic volcanic cycles capped by variable sedimentary sequences, consisting predominantly of fine clastic sediments, exhalites and Banded Iron Formation. The Valest property overlies the entire series of felsic volcanic cycles, the tops of which is the main target of this exploration program.

GEOLOGY OF THE EASTERN SECTOR OF THE VALEST PROPERTY

Little was previously known of the eastern sector of the Valest property, since all previous drilling was carried out on the contact between the Joutel Volcanic Complex and the Harricana Sedimentary Basin and Cartwright Mafic Volcanic Complex. However, based on extrapolation from the adjoining properties to the East, it is assumed that the four major felsic volcanic cycles continue NE onto the Valest property. A generalized stratigraphy of the four major cycles, from base to top, is given below.

A) BASE METAL CYCLE

The lower most cycle seen on the Agnico controlled properties is considered to be the stratigraphic equivalent of the Joutel Copper-Poirier mines sequence. It consists of at least 3 sedimentary-exhalative horizons separated by predominantly intermediate fine to coarse pyroclastics with minor andesitic flows (lower most unit), a central felsic package including rhyolitic flows and felsic pyroclastics and an upper intermediate feldspathic volcanoclastics. The sedimentary-exhalative horizons consist of predominantly fine (argillitic to graphitic) sediments, with minor to significant chert component. The lower cycle is topped by chert, calcite and pyrite sediments. The second unit is similar in

character consisting of predominantly graphitic sediments topped by calcitic and pyritic deposits. The upper cycle is the most promising, consisting of a variation, roughly from NE to SW, of massive pyrite to oxide iron formation to clastic graphitic to argillitic sediments to again oxide iron formation. Only minor base metal values have been returned from this horizon.

This horizon was tested by hole VA-92-52 of the Valest program which intersected a thick sequence of siltstone argillites with significantly elevated Zinc values. (See detailed description in DDH section.)

B) MASSIVE PYRITE CARBONATE CYCLE (Stripped Zone)

This cycle consists of a basal mafic volcanic sequence overlain by a quartz eye dominated fine to coarse felsic pyroclastic sequence. This is overlain by a Massive Pyrite to Iron Carbonate horizon. To date, this horizon has not yielded any significant base metal or gold values. The horizon was tested by hole VA-92-51, on claims of the Valrennes "ACE" property.

C) MAIN IRON CARBONATE CYCLE

This cycle consists of a general fining upward sequence of intermediate to felsic agglomeratic, lapilli to fine feldspathic to quartz eye tuffs. This is overlain by a clastic to chemical sedimentary sequence of argillites to conglomerates as well as Cherts, Iron Carbonates, Massive Pyrite and Oxide Iron Formations. This sequence is considered to be equivalent to the base of the Mine Sequence of the Eagle and Telbel Mines, with the Iron Carbonates as the gold bearing horizon. This is overlain by quartz eye tuffs and agglomerates with occasionally other sedimentary bands including rare Iron Carbonates. This cycle was intersected by hole VA-92-50 of the Valest Drill program. (see detailed descriptions)

D) GRAPHITIC MASSIVE PYRITE HORIZON (Massive Pyrite Zone)

The hanging wall of the Iron Carbonate Horizon consists of felsic quartz eye tuffs and agglomerates as described above. This is overlain by a thin sedimentary sequence consisting predominantly of siltstones. This horizon is not well known as little drilling has been carried out on it. The next cycle consist of a basal sequence of massive, pillowed and porphyritic basalt flows, overlain by two distinct felsic to intermediate pyroclastic to rare volcanic sequences. The lower cycle consists of non-porphyritic felsic fine, lapilli tuff and massive rhyolites. This is overlain by a thin chert horizon. The upper cycle consists of a quartz eye sequence of agglomerates to fine tuffs. The top of the felsic package is diluted by minor lithic input, mostly argillites, graphites and pyritic sediments as interbeds and intermixed material in tuffaceous rocks. This is overlain by a massive pyrite bed, in turn overlain by graphite with nodular pyrite. The massive pyrite bed of this horizon hosts the Massive Pyrite Au Zone of the Valrennes "ACE" property. This horizon was the principle target of previous drilling on the Eastern Sector of Valest Property. This cycle is overlain by the Harricana Sedimentary Basinal Unit, which consists of thick sequences of interlayered argillites and siltstones.

DIAMOND DRILL HOLE DESCRIPTION

Hole No: VA-92-50

Loc: L 42+00 E / 0+25 S

Azi: 205 deg (Grid South)

Dip: -50 deg

Length: 252 m.

Target: I.P. traced continuation of the Iron Carbonate Horizon.

0.00- 19.00	Overburden
19.00-166.45	Mylonitic Zone, rocks consists of a sequence of mylonitic pyroclastics, mafic volcanics and sediments.
19.00- 38.40	Felsics lapilli, ash and quartz eye tuffs.
38.4 - 40.2	Quartz vein zone.
40.2 - 68.5	Andesite.
68.5 - 76.2	Sediments.
76.2 - 88.3	Andesite.
88.3 - 90.9	Feldspar porphyritic dyke ?
90.9 - 96.79	Agglomerates to lapilli tuff.
96.79-113.4	Andesite.
113.4 -166.45	Fine to Coarse Banded Sediments.
166.45-179.2	Quartz veined shear zone, includes andesitic rocks and Talc chlorite schist.
179.2 -183.0	White carbonate to chl-py-carb Breccia.(Probable Iron Carbonate Horizon)
183.0 -252.0	Quartz eye to chloritic shard tuff.

Though this hole encountered a strong mylonitic zone, which masks lithological character, the basic stratigraphic succession is comparable to that seen on the main Iron Carbonate horizon on the adjoining property. The Iron Carbonate itself is represented by the White Carbonate unit. The effect of mylonitization has been

to leach this unit of its iron and manganese to produce the white carbonate. Any possible gold accumulation has also been leached. This suggests little potential for Gold concentrations as long as this unit remains in the mylonitic corridor. The extent of this corridor beyond the drill hole is unknown. Tracing of the Iron carbonate horizon further to the west is tenuous as the linear I.P. trace seen on the adjoining properties to the East is more complex westward, probably due to the effects of this mylonitic zone. Further tracing is warranted, but would require extensive drilling.

Hole No: VA-92-52

Loc: L 10+00 E / 9+75 S

Azi: 025 deg. (Grid North)

Dip: -50 deg.

Length: 246 m.

Target: Drilled on Strong I.P. response potentially on strike of the Valrennes "BD" Massive Sulphide Stratigraphy. (Base Metal Cycle)

0.0 - 6.25	Overburden
6.25- 96.1	Massive, pillowed, amygdaloidal, brecciated basalts.
96.1 -133.0	Massive to brecciated dacitic flow.
133.0 -218.8	Sedimentary sequence of predominantly fine clastic sediments (argillites, siltstones).
136.0 -165.15	Pyritiferous interbedded siltstones-argillites with minor cherts. (anomalous Zn values associated with this zone.)
218.8 -246.0	Rhyodacitic lapilli tuff.

The stratigraphy of this hole is not correlatable with the principle horizon of the Valrennes "BD" Massive Sulphide Horizon, but is similar to hole 92-D-24 drilled stratigraphically above this horizon. The pyritic sedimentary sequence returned anomalous Zinc values (1000 to 3400 ppm), as well as weakly anomalous Copper

values (300 to 700 ppm) over 10.7 m., predominantly related to stringer zones and disseminations, or chert bands in the sediments. This may suggest distal stringer zone environment (low Cu/Zn) in an alteration pipe environment, or distal chert sulphide portion of a potential base metal horizon. Either scenario is of significance because of the generally low base metal values encountered in drilling to the south east (Valrennes "BD") compared with the broader anomalous Zinc values obtained in this hole. Follow-up of this intersection will consists of examining the alteration patterns of the host rocks, as well as, defining the position of this horizon along strike.

CONCLUSIONS

The results of the two hole drill program on the Eastern sector of the Valest property confirmed the extension of the two horizons onto the Valest Claims.

In the case of the Iron Carbonate Horizon, hole VA-92-50 intersected a mylonitized white carbonate, barren of pyrite with no gold values. However, the horizon itself is continuous onto this property, and potential may lie where the horizon exits the broad mylonitic zone. Previous drilling has not tested this horizon on the Valest property.

As for the Base Metal Horizon, hole VA-92-52 intersected stratigraphy similar to the upper portions of the Base Metal sequence. This hole returned significant Zinc values (1000-3400 ppm) in a pyritic argillite-siltstone unit, mostly in quartz stringers and cherty bands. This is significant as this represents the highest base metal values along this horizon. At present, it is uncertain if this represents a stringer zones related to an alteration pipe, or distal sedimentary equivalent of a base metal horizon.

RECOMMENDATIONS

The follow-up program on the Valest program would consist of continual tracing of the four principle horizons on the eastern part of the property. The follow-up programs vary for the different horizons.

A) Base Metal Horizon

Follow-up of the zinc values of hole VA-92-52 would consist of analyzing alteration trends in the footwall volcanoclastics to the Zinc anomalous sediments. This will consist of examining the available data as well as additional mapping and sampling of a potential outcrop area just south of the collar of the drill hole. In addition, tracing of the strike extent of the horizon will be

undertaken. At present the I.P. survey traces the horizon over approximately 200 m. either side of the drill hole. The survey was not carried out further to the northwest, and is disrupted by a diabase dyke to the southeast. Detailed surveying in the area of the drill hole (100m lines) as well as extension of the survey to the northwest will be required. Deep EM surveys may be considered if I.P. surveys fail to trace the horizon. Diamond drilling will depend on the results of the follow-up programs.

B) Massive Pyrite Horizon

A follow-up program for the massive pyrite horizon would consist of prospecting and mapping the outcrop ridge (apparent from the I.P. resistivity results). This ridge extends for 1.3 km to the northeast of hole VA-92-51 drilled into this horizon as part of the "ACE" program. A Beep-Mat will be employed to locate sulphide concentrations along the ridge, which will be trenched and sampled. Any anomalous zones will be extended by drilling. Footwall and Hangingwall lithogeochemical analysis will be employed in identifying alteration zones.

C) Iron Carbonate Horizon

Tracing of this horizon, further to the northwest, is problematic, as the linear continuous I.P. trend seen to the Southeast on adjoining properties is not apparent from the existing I.P. data (200 m. line separation). Fill-in I.P. may make it easier to trace the horizon. The second consideration of target selection is the limited potential for mineralization in this horizon while in the Mylonitic zone. Examination of previous drilling in the vicinity may indicate the extent of the mylonitic zone. Systematic drilling may be required to effectively trace the horizon and identify potential mineralization zones.

D) Graphitic Massive Pyrite Horizon

No further work is proposed on this horizon.

APPENDIX I

DIAMOND DRILL LOGS

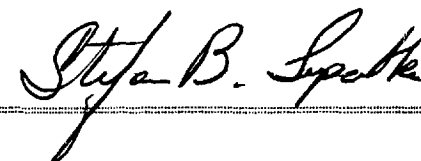
AGNICO-EAGLE MINES LIMITED

VA-92-50

09-08-1992 :: 13:58

DIAMOND DRILL LOG

PROPERTY : VALEST	PROJECT # : PN 73	CLAIM # : 436913-4
NTS MAP # : 32E/09	TOWNSHIP : VALRENNES	ELEVATION : Surface
LINE/STATION: L42+00E / 0+25S	EASTINGS/NORTHINGS: 4200.00E / -25.00N	AZIMUTH : 205.0 degrees
LENGTH : 252.00 m	INCLINATION : -50.0 degrees	
OVERBURDEN : 19.00 m	CASING : left in hole	
LOGGED BY : Stefan B. Lopatka	DRILLED BY : Forage Moderne	ASSAYING BY : Chimitec Ltee.
DATE LOGGED : 1992/02/29 to 1992/03/01	DATE DRILLED : 1992/02/28 to 1992/03/01	CORE LOCATION: Telbel core rack



TESTS

Depth	Dip	Azimuth
60.00	-50.0	999.0
120.00	-51.0	999.0
132.00	-45.0	170.0
180.00	-48.0	999.0
230.00	-41.0	214.0
252.00	-43.0	999.0

ABSTRACT

TARGET: CONTINUATION OF THE IRON CARBONATE STRATIGRAPHY I.P. TREND ONTO THE VALEST PROPERTY. HOLE INTERSECTED A STRONGLY SHEARED TO MYLONITIC SEQUENCE. STRATIGRAPHY IS SAME AS IRON CARBONATE SEQUENCE, BUT MYLONITIZATION CREATES A WHITE CARBONATE UNIT 4 M. THICK (NO SIGNIFICANT ASSAYS).

AGNICO-EAGLE MINES LIMITED

VA-92-50

09-08-1992 :: 13:59

SUMMARY LOG

Page 2

From(m)	To(m)	Field Name (Legend)
0.00	19.00	OVERBURDEN CASING LEFT IN HOLE :NOTE: FROM 19 TO 166.45 M. MYLONITE ZONE (OV8)
19.00	27.35	LAPILLI TUFF (V11{V9a})
25.20	25.39	Dyke (2D)
27.35	32.19	FINE ASH TUFF (V9a)
32.19	38.40	QUARTZ EYE TUFF (V9q)
38.40	40.20	QUARTZ VEIN ZONE (vQ)
40.20	66.76	ANDESITE LOCAL MASSIVE CHLORITIC ZONE (V6-ch)
66.76	68.50	TRANSITION ZONE ANDESITE SEDIMENT (V6-S)
68.50	76.20	SEDIMENT GRAINY (S)
76.20	81.90	ANDESITE (V6)
81.90	87.00	MIXED ZONE ANDESITE SEDIMENTS (V6/S)
87.00	88.30	ANDESITE (V6)
88.30	90.90	GABBRO- DIORITE DYKE FELDSPAR PORPHYRITIC (2df)
90.90	96.79	AGLOMERATE TO LAPILLI TUFF (V10-V11{V9})
96.79	113.40	ANDESITE (V6)
113.40	166.45	SEDIMENTS FINE BANDED TO COARSER BROAD BANDED (S4/S3)
166.45	179.20	QUARTZ VEIN SHEAR ZONE (vQFs)
166.45	168.80	Andesite (V6)
168.80	173.80	Mafic dyke (2D)
173.80	179.20	Talc- chlorite Shear zone (Fs-talc-ch)
179.20	179.70	WHITE CARBONATE (F4?)
179.70	181.58	CHLORITE-CARBONATE-PYRITE BRECCIA (5% Pyrite) (Chl-carb-Py Fc)
181.58	183.00	WHITE CARBONATE F4?
183.00	252.00	QUARTZ EYE TO CHLORITIC SHARD TUFF (V9qc)
201.40	203.80	Shear zone gouge (Fc)
203.80	240.00	Chloritic zone (chl)
240.00	252.00	Calcitic altered zone
252.00		END OF HOLE.

AGNICO-EAGLE MINES LIMITED

VA-92-50

ASSAY LOG

Page 6

09-08-1992 :: 14:05

Sam.	From (m)	To (m)	Leng (m)	-----Comment-----	Au ppb	As ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Fe %	Mn ppm	Cu Zn	TOT Sx
21127	27.35	28.45	1.10	Trace- 1% pyrite	5	1.7	45	2	88	50	6.00	1543	34	135
21128	30.15	31.65	1.50	Trace pyrite	5	1.1	83	2	140	160	7.42	1626	37	225
21129	38.40	39.40	1.00		5	1.0	6	2	24	10	1.92	538	20	32
21130	39.40	40.20	0.80		5	2.3	55	2	74	34	5.96	1368	43	131
20580	42.40	42.90	0.50		5	1.6	42	2	131	38	NA	NA	24	175
21131	47.80	49.70	1.90		5	6.4	38	2	124	49	7.40	1600	23	164
21132	54.00	55.00	1.00	Trace- 1% pyrite	5	8.2	40	2	125	53	6.56	1681	24	167
21133	56.00	57.00	1.00	Trace pyrite	5	1.0	36	2	130	29	8.90	1394	22	168
21134	61.60	62.10	0.50		5	1.0	31	2	143	36	10.77	2134	18	176
21135	66.76	68.50	1.74	Trace pyrite	5	4.2	50	2	110	35	5.09	930	31	162
21136	71.40	72.40	1.00	Trace pyrite	18	1.0	140	2	87	79	4.48	940	62	229
21137	74.00	75.00	1.00		5	1.5	81	2	112	46	9.07	1830	42	195
21138	78.50	80.00	1.50	Trace pyrite	5	1.0	108	2	123	85	7.55	1054	47	233
21139	81.70	83.00	1.30	Trace pyrite	5	1.0	49	2	65	33	3.38	551	43	116
21140	95.00	96.00	1.00	Trace pyrite	5	1.0	54	2	100	45	4.84	1224	35	156
21141	110.80	111.80	1.00	Trace pyrite	5	6.5	79	2	102	54	5.47	1109	44	183
21142	119.00	120.00	1.00		5	1.9	81	2	106	30	7.27	1399	43	189
21143	136.00	137.00	1.00	Trace pyrite	5	3.5	37	2	114	19	8.15	1421	25	153
21144	137.00	138.00	1.00	Trace pyrite	5	5.0	33	2	106	20	9.07	1407	24	141
21145	138.00	139.00	1.00	Trace pyrite	6	4.3	40	2	102	20	8.24	1312	28	144
21146	148.35	149.85	1.50	Trace pyrite	9	7.8	51	2	136	25	6.81	1225	27	189
21147	166.45	167.40	0.95	Trace pyrite	5	2.3	227	2	182	34	8.51	1018	56	411
21148	167.40	168.80	1.40	Trace pyrite	5	11.0	140	2	129	50	7.56	1359	52	271
21149	168.80	170.30	1.50		5	2.9	52	2	127	74	6.63	1212	29	181
21150	170.30	171.80	1.50		5	1.0	40	2	72	40	5.22	1337	36	114
21151	171.80	172.80	1.00		5	1.0	73	2	80	58	5.63	1384	48	155
21152	172.80	173.80	1.00	Trace pyrite	5	1.0	75	2	116	66	7.99	1530	39	193
21153	175.80	174.70	0.90		5	1.0	98	2	51	34	2.68	586	66	151
21154	174.70	176.30	1.60		5	1.0	161	2	187	160	8.56	1394	46	350
21155	176.30	177.30	1.00	Trace pyrite	5	5.5	286	2	148	101	7.64	1433	66	436
21156	177.30	178.30	1.00	Trace pyrite	5	3.2	839	2	47	37	4.25	1173	95	888
21157	178.30	179.20	0.90		5	3.4	43	2	61	54	4.26	1156	41	106
21158	179.20	179.70	0.50	Trace pyrite	5	1.0	6	2	49	17	4.89	1994	11	57
21159	179.70	181.00	1.30	10% pyrite	5	36.0	35	22	198	84	10.26	2257	15	255
21160	181.00	181.60	0.60	3% pyrite	5	21.0	45	8	180	72	6.83	794	20	233
21161	181.60	183.00	1.40	1% pyrite	5	10.0	11	2	63	28	5.56	1794	15	76
21162	183.00	184.00	1.00	4% pyrite	5	19.0	32	5	67	39	4.11	701	32	104

AGNICO-EAGLE MINES LIMITED

VA-92-50

09-08-1992 :: 14:05

ASSAY LOG

Page 7

Sam.	From (m)	To (m)	Leng (m)	-----Comment-----	Au ppb	As ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Fe %	Mn ppm	Cu Zn	TOT Sx
21163	184.00	185.50	1.50	Trace- 1% pyrite	5	4.4	41	2	147	21	2.04	430	22	190
21164	191.00	192.00	1.00	Trace- 1% pyrite	5	1.0	48	2	72	27	2.61	451	40	122
20583	192.30	192.80	0.50	LITHO	5	1.0	43	2	44	25	NA	NA	49	89
21165	195.00	196.00	1.00	Trace pyrite	5	1.0	46	2	64	25	2.44	430	42	112
21166	203.50	204.50	1.00		5	1.0	41	2	39	23	1.70	456	51	82
20581	225.60	226.10	0.50		5	1.0	42	2	45	24	NA	NA	48	89
21167	240.00	241.00	1.00		5	1.0	56	2	66	32	3.18	911	46	124

MINES AGNICO-EAGLE LIMITEE
DIAMOND DRILL LOG

VA-92-52

09-08-1992 :: 14:18

PROPERTY :	VALEST- COMINCO J.V.	PROJECT # :	PN #73	CLAIM # :	439411-4
NTS MAP # :	32E/09	TOWNSHIP :	VALRENNES	ELEVATION :	Surface
LINE/STATION:	L10+00E / 9+75S	EASTINGS/NORTHINGS:	1000.00E / -975.00N	AZIMUTH :	25.0 degrees
LENGTH :	246.00 m	INCLINATION :	-50.0 degrees		
OVERBURDEN :	6.25 m	CASING :	CASING TO 7.0 M LEFT IN HOLE		
LOGGED BY :	MARC H. LEGAULT M.Sc.	DRILLED BY :	FORAGES MODERNE (1987) INC.	ASSAYING BY :	CHIMITEC LTEE.
DATE LOGGED :	1992/03/16 to 1992/03/19	DATE DRILLED :	1992/03/14 to 1992/03/18	CORE LOCATION:	TELBEL CORE RACK

Stefan B. Lepelka

ACID & TROPARI TESTS

Depth	Dip	Azimuth
60.00	-49.0	999.0
120.00	-46.0	999.0
166.00	-45.0	29.0
214.00	-43.0	31.0

ABSTRACT

TARGET: HOLE DRILLED TO TEST A POSSIBLE EXTENSION OF THE VALRENNES D MASSIVE PYRITE HORIZON ONTO THE VALEST PROPERTY. THE HOLE INTERSECTED SEVERAL PYRITIFEROUS SILTSTONE-WACKE HORIZONS WITH MINOR CHERT. A 10.7 M. SECTION RETURNED SIGNIFICANTLY ANOMALOUS CU, PB & ZN VALUES (UP TO 3400 PPM ZN/ 2 M.)

MINES AGNICO-EAGLE LIMITEE

VA-92-52

09-08-1992 :: 14:18

SUMMARY LOG

Page 2

From(m)	To(m)	Field Name (Legend)
0.00	6.25	OVERBURDEN (CASING TO 7.0 M LEFT IN HOLE) (O.B.)
6.25	36.50	PILLOWED AMYGDALOIDAL ANDESITE FLOW (V6pil,a)
21.20	22.40	Fine-grained massive mafic dyke (3G)
23.30	27.75	Feldspar porphyritic diorite dyke (2Df)
35.90	36.50	Fractured silicified lower contact zone (Fc,sil)
36.50	75.25	MEDIUM GRAINED GABBROIC INTRUSION (3G)
39.00	42.40	Feldspar-phyric diorite dyke (2Df)
69.00	75.25	Calcite bleach zone (cal)
75.25	96.10	MASSIVE TO BRECCIATED ANDESITE FLOWS (V6)
75.25	79.00	Moderate carbonate bleach zone (carb)
82.50	86.60	Strong carbonate bleach zone (carb)
96.10	133.00	MASSIVE TO BRECCIATED DACITE FLOW (V4a)
96.10	109.80	Massive weakly amygdaloidal dacite flow (V4aq)
109.80	133.00	Strongly amygdaloidal dacite flow breccia (?)
120.35	121.38	Aphanitic diorite dyke (2D)
122.70	123.30	Fracture zone (Fc)
124.90	125.50	Fault zone (Fb)
126.15	127.25	Feldspar porphyritic diorite dyke (2D)
127.25	133.00	Reworked breccia (S1?)
133.00	136.00	INTERBEDDED COARSE LITHIC ARENITE AND SILTSTONE
136.00	146.70	WEAKLY PYRITIFEROUS INTERBEDDED ARGILLITE AND MINOR SILTSTONE-WACKE
137.90	138.45	Feldspar-porphyritic gabbro dyke (3Gf)
146.70	155.80	FINE-GRAINED DIORITE DYKE (2D)
152.15	153.35	Feldspar porphyritic gabbro dyke (3Gf)
154.80	155.35	Feldspar porphyritic gabbro dyke (3Gf)
155.80	165.15	INTERBEDDED PYRITIFEROUS SILTSTONE-WACKE AND MINOR CHERT
155.80	156.10	Coarse lithic wacke
156.40	157.70	Feldspar porphyritic mafic dyke (3Gf)
157.70	159.10	Banded siltstone, 10% pyrite bands
159.10	161.00	Feldspar porphyritic mafic dyke (3Gf)
161.20	161.70	Faulted feldspar porphyritic mafic dyke (3Gf,Fc)
161.70	164.25	Faulted banded siltstone-wacke, 10- 15% pyrite bands, fractured
164.25	165.15	Faulted feldspar-porphyritic mafic dyke (3Gf,Fc)
165.15	199.50	INTERBEDDED WACKE AND SILTSTONE
167.80	168.60	Feldspar-phyric mafic dyke (3Gf)
180.00	187.20	Fine-grained gabbro dyke (3G)
191.35	192.05	Feldspar-phyric diorite dyke (1Df)
198.50	199.20	Fault breccia (Fc)

MINES AGNICO-EAGLE LIMITEE
SUMMARY LOGVA-92-52
Page 3

09-08-1992 :: 14:19

From(m)	To(m)	Field Name (Legend)
199.50	208.20	FAULTED VERY FINE-GRAINED ANDESITE FLOW (OR DIORITE DYKE) (V6(2D?)Fc)
208.20	218.80	FRACTURED SILTSTONE AND WACKE
210.00	215.70	Fractured feldspar porphyritic diorite dyke (2Df,Fc)
215.70	218.80	Strongly faulted wacke
218.80	221.15	STRONGLY FAULTED ANDESITE (OR DIORITE DYKE) (V6(2D?)Fa)
221.15	246.00	DACITE-RHYODACITE LAPILLI TUFF (V11a{V4})
235.50	244.00	Fine-grained gabbro dyke (3G)
244.00	246.00	Rhyodacite quartz-phyric lapilli tuff (V11aq{V4})
246.00		END OF HOLE.

MINES AGNICO-EAGLE LIMITEE
ASSAY LOG

VA-92-52

Page 8

09-08-1992 :: 14:20

Sam.	From (m)	To (m)	Leng (m)	-----Comment-----	Au ppb	As ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Fe %	Mn ppm	Cu Zn	TOT Sx
19007	35.20	35.70	0.50		5	1.0	114	2	51	95	NA	NA	69	167
21283	75.00	76.50	1.50	Trace pyrite	5	4.6	80	2	87	67	9.10	1234	48	169
21284	76.50	78.00	1.50	Trace pyrite	5	1.0	47	2	93	94	7.40	1326	34	142
21285	78.00	79.00	1.00	Trace pyrite?	5	1.6	115	2	111	76	9.80	1418	51	228
21286	81.00	82.50	1.50		5	3.2	108	2	100	59	10.00	1329	52	210
21287	82.50	84.00	1.50		5	1.0	88	2	52	78	4.60	1317	63	142
21288	84.00	85.50	1.50		5	1.0	77	2	66	103	4.90	1046	54	146
21289	85.50	86.60	1.10	Trace pyrite	5	1.0		2	66	108	4.50	994	51	137
21290	131.00	132.00	1.00	Trace pyrite	5	17.0	92	2	79	192	6.80	1434	54	174
21291	132.00	133.00	1.00	2% pyrite	5	6.5	120	2	97	501	8.50	1198	55	219
21292	133.00	134.00	1.00	3- 5% pyrite	5	5.1	70	18	608	201	10.10	760	10	696
21293	134.00	135.00	1.00	2- 3% pyrite	5	2.4	94	16	395	90	6.40	1000	19	505
21294	135.00	136.00	1.00	1- 2% pyrite	5	2.1	140	68	518	84	7.50	1354	21	726
21295	136.00	137.00	1.00	1% pyrite	5	28.0	379	84	3428	311	5.90	878	10	3891
21296	137.00	138.00	1.00	1% pyrite	5	3.2	281	102	3418	92	8.80	1057	8	3801
21297	138.00	138.45	0.45	Trace pyrite	5	2.6	115	11	478	95	9.20	1761	19	604
21298	138.45	139.50	1.05	1% pyrite	7	5.3	248	93	748	95	4.30	630	25	1089
21299	139.50	141.00	1.50	2- 3% pyrite	12	20.0	729	118	958	122	4.50	557	43	1805
21300	141.00	142.50	1.50	1- 2% pyrite	9	10.0	479	117	1958	102	4.10	452	20	2554
21301	142.50	144.00	1.50	1- 2% pyrite	5	15.0	375	59	978	95	5.80	681	28	1412
21302	144.00	145.50	1.50	2- 3% pyrite	5	17.0	373	113	1018	99	7.00	997	27	1504
21303	145.50	146.00	0.50	2- 3% pyrite	5	3.0	469	218	1108	81	6.60	441	30	1795
21304	146.00	146.70	0.70	2% pyrite	5	4.2	332	180	2898	70	5.80	477	10	3410
21305	146.70	147.75	1.05		5	11.0	126	44	918	162	10.30	1522	12	1088
21306	154.80	155.80	1.00		5	1.9	63	2	101	97	7.20	1161	38	166
21307	155.80	156.70	0.90		5	1.3	53	2	126	68	8.40	1149	30	181
21308	156.70	157.70	1.00		5	1.0	74	2	107	101	9.70	1312	41	183
21309	157.70	159.10	1.40	10% pyrite	5	5.2	86	39	227	34	8.70	552	27	352
21310	159.10	160.50	1.40		5	1.0	65	2	86	90	7.30	1214	43	153
21311	160.50	161.70	1.20		5	1.0	83	5	105	117	8.40	978	44	193
21312	161.70	163.00	1.30	20% pyrite	5	14.0	175	6	104	48	15.40	580	63	285
21313	163.00	164.25	1.25	10% pyrite	5	6.4	170	2	109	118	11.50	691	61	281
21314	164.25	165.15	0.90		5	1.6	83	10	108	144	9.50	1272	43	201
21315	165.15	166.30	1.15	2% pyrite	5	3.0	85	59	285	82	7.30	832	23	429
21316	166.30	167.80	1.50	1% pyrite	5	2.5	38	23	238	57	5.60	808	14	299
21318	226.25	227.75	1.50	Trace pyrite	5	3.8	60	2	62	22	3.43	586	49	124
21319	227.75	229.25	1.50	0.5% pyrite	5	1.0	45	2	59	44	3.65	692	43	106

MINES AGNICO-EAGLE LIMITEE

VA-92-52

09-08-1992 :: 14:21

ASSAY LOG

Page 9

Sam.	From (m)	To (m)	Leng (m)	-----Comment-----	Au ppb	As ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	Fe %	Mn ppm	Cu Zn	TOT Sx
21320	229.25	230.75	1.50	0.5% pyrite	5	2.1	33	2	51	42	3.40	737	39	86
21321	230.75	232.25	1.50	0.5% pyrite	5	2.4	42	2	47	29	3.00	593	47	91
21322	232.25	233.75	1.50	Trace pyrite	5	3.6	38	2	105	18	4.14	745	27	145
19010	245.00	245.50	0.50		5	1.0	16	2	40	24	NA	NA	29	58

APPENDIX II

CERTIFICATES OF ANALYSIS

RAPPORT: 892-60125.0 (COMPLET)

INFO. DE REFERENCE: P.S. 126007

CLIENT: GROUPE AGNICO-EAGLE
 PROJET: VALEST

SOUMIS PAR: GROUPE AGNICO-EAGLE
 DATE DE L'IMPRESSION: 19-MAR-95

COMMANDE	ELEMENT	NOMBRE D'ANALYSES	LIMITE INFERIEURE DE DETECTION	EXTRACTION	METHOD
1	Au Or	41	0.001	PYRO ANALYSE	PYROANALYSE & 20 G ACT. NEUTRONIQUE
2	As Arsenic	41	0.001		
3	Cu Cuivre	41	0.001	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
4	Pb Plomb	41	0.001	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
5	Zn Zinc	41	0.001	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
6	Fe Fer	41	0.001	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
7	Mn Manganese	41	0.001	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
8	Ni Nickel	41	0.001	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION TRIMISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
TERRE DE PURAGE	41	0.001	1	CONCRASSAGE	41
				PULVERISATION	41

COPIES DU RAPPORT A: PAR FAX: 819-756-2744
 A/S STEFAN LOPATKA
 PAR FAX: 819-756-2316

FACTURE A: A/S STEFAN LOPATKA

DATE DE L'IMPRESSION: 19-MAI-92

RAPPORT: C92-60125.0 (COMPLET)

PROJET: VALEST

PAGE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au PPB	As PPM	Cu PPM	Pb PPM	Zn PPM	Fe PCT	Mn PPM	Ni PPM
A-21127		<5	1.7	45	<2	88	6.00	1543	50
A-21128		<5	1.1	83	<2	140	7.42	1626	160
A-21129		<5	<1.0	6	<2	24	1.92	538	10
A-21130		<5	2.3	55	<2	74	5.96	1368	34
A-21131		<5	6.4	38	<2	124	7.40	1600	49
A-21132		<5	8.2	40	<2	125	6.51	1691	53
A-21133		<5	<1.0	36	<2	130	8.90	1994	29
A-21134		<5	<1.0	31	<2	143	10.77	2134	36
A-21135		<5	4.2	50	<2	110	5.09	930	35
A-21136		18	<1.0	140	<2	87	4.48	940	79
A-21137		<5	1.5	81	<2	112	9.07	1830	46
A-21138		<5	<1.0	108	<2	123	7.55	1054	85
A-21139		<5	<1.0	49	<2	65	3.38	551	33
A-21140		<5	<1.0	54	<2	100	4.84	1224	45
A-21141		<5	6.5	79	<2	102	5.47	1109	54
A-21142		<5	1.9	81	<2	106	7.27	1399	30
A-21143		<5	3.5	37	<2	114	8.15	1431	19
A-21144		<5	5.0	33	<2	106	9.07	1407	20
A-21145		6	4.3	40	<2	102	8.24	1313	20
A-21146		9	7.8	51	<2	136	6.81	1225	25
A-21147		<5	2.3	227	<2	182	8.51	1018	34
A-21148		<5	11.0	140	<2	129	7.56	1359	50
A-21149		<5	2.9	52	<2	127	6.63	1212	74
A-21150		<5	<1.0	40	<2	72	5.22	1337	40
A-21151		<5	<1.0	73	<2	80	5.63	1384	58
A-21152		<5	<1.0	75	<2	116	7.99	1530	66
A-21153		<5	<1.0	98	<2	51	2.68	536	34
A-21154		<5	<1.0	161	<2	187	8.36	1394	160
A-21155		<5	5.5	286	<2	148	7.64	1433	101
A-21156		<5	3.2	839	<2	47	4.25	1173	37
A-21157		<5	3.4	43	<2	61	4.26	1156	54
A-21158		<5	<1.0	6	<2	49	4.89	1994	17
A-21159		<5	36.0	35	22	198	10.26	2257	84
A-21160		<5	21.0	45	8	180	6.83	794	72
A-21161		<5	10.0	11	<2	63	5.56	1794	28
A-21162		<5	19.0	32	5	67	4.11	701	39
A-21163		<5	4.4	41	<3	147	2.04	430	21
A-21164		<5	<1.0	48	<2	72	2.61	451	27
A-21165		<5	<1.0	46	<2	64	2.44	430	25
A-21166		<5	<1.0	41	<2	39	1.70	456	23

CHIMATEC LEE

700 Rue Nérée Tremblay
Ste-Foy, Québec G1N 4H7
(418) 683-1777
FAX: (418) 683-7791

CHIMATEC LEE

RAPPORT D'ANALYSE
GÉOCHIMIQUE

DATE DE L'IMPRESSION: 19-MAR-92

RAPPORT: 892-60125.0 (COMPLET)

PROJET: VALEST

PAGE 2

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au PPB	As PPM	Cu PPM	Pb PPM	Zn PPM	Fe PCT	Mn PPM	Ni PPM
A-21167		<5	<1.0	56	<2	66	3.18	911	32

CHIMITEC LEE

700 Rue Nérée Tremblay
 Ste-Foy, Québec G1N 4H7
 (418) 683-1777
 FAX: (418) 683-7791

CHIMITEC LEE

RAPPORT D'ANALYSE
 GÉOCHIMIQUE

RAPPORT: C92-80127.0 (COMPLET)

INCO. DE RÉFÉRENCE: P.O. 136009

CLIENT: GROUPE AGNICO-EAGLE
 PROJET: VALRENNES BD

SOUIS PAR: GROUPE AGNICO-EAGLE
 DATE DE L'IMPRESSION: 10-MAR-92

COMMANDE	ÉLÉMENT		NOMBRE D'ANALYSES	LIMITES INFÉRIEURE DE DÉTECTION	EXTRACTION	MÉTHOD
1	SiO2	Di-Oxyde de Silice	13	0.01 PPT	Fusion de Borate	DC PLASMA
2	TiO2	Di-Oxyde de Titane	13	0.01 PPT	Fusion de Borate	DC PLASMA
3	Al2O3	Alumina	13	0.01 PPT	Fusion de Borate	DC PLASMA
4	Fe2O3	Fer total	13	0.01 PPT	Fusion de Borate	DC PLASMA
5	MnO	Oxyde de Manganese	13	0.01 PPT	Fusion de Borate	DC PLASMA
6	MgO	Oxyde de Magnesium	13	0.01 PPT	Fusion de Borate	DC PLASMA
7	CaO	Calcium (CaO)	13	0.01 PPT	Fusion de Borate	DC PLASMA
8	Na2O	Oxyde de Sodium	13	0.01 PPT	Fusion de Borate	DC PLASMA
9	K2O	Potassium	13	0.10 PPT	Fusion de Borate	DC PLASMA
10	P2O5	Phosphore (P2O5)	13	0.01 PPT	Fusion de Borate	DC PLASMA
11	LOI	Perte au feu	13	0.03 PPT		GRAVIMÉTRIE
12	Total	Total Element Majeur	13	0.01 PPT		
13	Zr	Zirconium	13	1 PPM		XRAY FLUORESCENCE
14	Y	Yttrium	13	1 PPM		XRAY FLUORESCENCE
15	Rb	Rubidium	13	1 PPM		XRAY FLUORESCENCE
16	Sr	Strontium	13	1 PPM		XRAY FLUORESCENCE

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTE DE FORAGE	13	-150	13	CONCASSER, PULVERISER	13

COPIES DU RAPPORT A: PAR FAX: 819-756-2744
 A/S STEFAN LOPATKA
 PAR FAX: 819-756-3318

FACTURE A: A/S STEFAN LOPATKA

DATE DE L'IMPRESSION: 19-MAR-92

RAPPORT: 092-60127.0 (COMPLET)

PROJET: VALRENNES ED

PAGE 1A

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3 PCT	MnO PCT	HgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT
A-20575		69.83	0.43	14.31	4.34	0.06	1.12	2.67	6.11	0.14	0.10	1.92
A-20577		70.70	0.22	12.25	3.50	0.05	1.73	2.18	0.91	1.78	0.10	4.89
A-20578		65.55	0.33	12.00	6.13	0.05	2.41	2.39	1.26	2.11	0.02	5.26
A-20579		66.67	0.28	11.44	5.34	0.07	2.59	1.99	3.43	1.46	<0.01	4.87
A-20580		54.23	1.51	15.08	9.75	0.13	2.93	3.64	1.29	2.18	0.11	8.50
A-20581		61.58	0.59	15.31	3.83	0.09	1.31	5.60	2.74	1.27	0.22	7.18
A-20582		62.40	0.45	14.61	3.88	0.12	1.85	4.76	1.54	1.96	0.17	9.13
A-20583		61.75	0.63	15.63	2.92	0.05	1.26	4.08	3.65	1.53	0.22	6.93
A-20584		53.88	1.18	15.12	9.16	0.13	6.02	6.72	3.18	0.05	0.27	2.92
A-20585		70.75	0.18	11.90	3.29	0.06	2.06	2.30	0.73	2.78	0.02	5.32
A-20586		57.34	0.65	12.31	8.30	0.10	6.26	3.27	3.30	0.21	0.07	7.61
A-20587		72.33	0.30	11.60	3.47	0.05	2.00	2.08	0.68	2.02	0.04	4.95
A-20588		66.18	0.32	13.33	3.19	0.06	1.22	2.52	3.41	2.05	0.05	5.47

CHIMITEC LEE700 Rue Nérée Tremblay
Ste-Foy, Québec G1N 4H7
(418) 683-1777
FAX: (418) 683-7791**CHIMITEC LEE**RAPPORT D'ANALYSE
GÉOCHIMIQUE

DATE DE L'IMPRESSION: 19-MAR-92

PROJET: VALRENNES BD PAGE 13

RAPPORT: C92-60127.0 (COMPLET)

NUMERO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Total PCT	Zr PPM	Y PPM	Rb PPM	Sr PPM
A-20575		101.03	164	25	<1	186
A-20577		98.32	188	24	52	81
A-20578		97.51	171	23	60	40
A-20579		97.15	176	23	39	49
A-20580		99.34	120	27	70	131
A-20581		99.69	134	11	53	272
A-20582		100.87	157	15	45	93
A-20583		98.66	160	13	82	225
A-20584		98.71	128	32	<1	252
A-20585		99.39	169	14	104	85
A-20586		99.41	192	38	<1	80
A-20587		99.53	210	25	103	106
A-20588		97.80	169	22	70	73

CHIMITEC LEE

700 Rue Nérée Tremblay
 Ste-Foy, Québec G1N 4H7
 (418) 683-1777
 FAX: (418) 683-7791

CHIMITEC LEE

RAPPORT D'ANALYSE
 GÉOCHIMIQUE

REPORT: C92-60127.1 (COMPLET)

INFO. DE RÉFÉRENCE: P.O. 136009

CLIENT: GROUPE AGNICO-EAGLE
 PROJET: VALRENNES BD

SOUIS PAR: GROUPE AGNICO-EAGLE
 DATE DE L'IMPRESSION: 7-MAY-92

COMMANDE	ÉLÉMENT	NOMBRE LIMITE INFÉRIEURE		EXTRACTION	MÉTHOD
		D'ANALYSES	DE DÉTECTION		
1	Au Or	13	5 PPM	PYRO ANALYSE	PYROANALYSE @ 30 G
2	As Arsenic	13	1.0 PPM		ACT. NEUTRONIQUE
3	Cu Cuivre	13	1 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
4	Pb Plomb	13	2 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
5	Zn Zinc	13	1 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
6	Ni Nickel	13	2 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTE DE FORAGE	13	-150	13	TEL QUE RECU	13

COPIES DU RAPPORT A: PAR FAX: 819-756-2744

FACTURE A: A/S STEFAN LOPATKA

A/S STEFAN LOPATKA
 PAR FAX: 819-756-3318

CHIMITEC LTEE700 Rue Nérée Tremblay
Ste-Foy, Québec G1N 4H7
(418) 683-1777
FAX: (418) 683-7791**CHIMITEC LTEE**RAPPORT D'ANALYSE
GÉOCHIMIQUE

RAPPORT: C92-60127.1 (COMPLET)

DATE DE L'IMPRESSION: 7-MAY-92

PROJET: VALRENNES BD

PAGE 1

NUMÉRO DE ÉCHANTILLON	ÉLÉMENT UNITÉS	Au PPB	As PPM	Cu PPM	Pb PPM	Zn PPM	Ni PPM
A-20575		<5	<1.0	13	<2	56	11
A-20577		<5	1.4	52	<2	38	6
A-20578		<5	<1.0	9	<2	30	29
A-20579		<5	<1.0	24	<2	34	25
A-20580		<5	1.6	42	<2	131	38
A-20581		<5	<1.0	42	<2	45	24
A-20582		<5	8.8	23	<2	26	12
A-20583		<5	<1.0	43	<2	44	25
A-20584		<5	17.0	53	<2	76	78
A-20585		<5	1.2	16	<2	34	9
A-20586		<5	<1.0	82	<2	150	188
A-20587		<5	<1.0	25	<2	65	<2
A-20588		<5	<1.0	10	<2	53	9

CHIMITEC LEE

700 Rue Neree Tremblay
Ste-Foy, Quebec G1N 4H7
(418) 683-1777
TELEX 051-3786 LOCAL 272

CHIMITEC LEE

CERTIFICAT
D'ANALYSE

RAPPORT: C92-60127.5 (COMPLET)

INFO. DE REFERENCE: P.O. 136009

CLIENT: GROUPE AGRICO-EAGLE
PROJET: VALKENNES BD

SOU MIS PAR: GROUPE AGRICO-EAGLE
DATE DE L'IMPRESSION: 13-MAR-92

COMMANDE	ELEMENT	NOMBRE LIMITE INFÉRIEURE		EXTRACTION	MÉTHOD
		D'ANALYSES	DE DETECTION		
1	CO2 Bioxyde de Carbone	13	0.01 PCT		

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTE DE FORAGE	13	-150	13	TEL QUE RECU	13

COPIES DU RAPPORT A: PAR FAX: 819-756-2744
A/S STEFAN LOPATKA
PAR FAX: 819-756-3318

FACTURE A: A/S STEFAN LOPATKA

R 13

DATE DE L'IMPRESSION: 13-MAR-93

RAPPORT: C92-60127.5 (COMPLET)

PROJET: VALRENNES BD PAGE 1

NUMERO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	CO2 PCT
----------------------------	-------------------	------------

A-20575		0.90
A-20577		3.51
A-20578		3.29
A-20579		3.25
A-20580		6.44

A-20581		4.81
A-20582		7.50
A-20583		5.46
A-20584		0.21
A-20585		3.84

A-20586		5.09
A-20587		3.47
A-20588		4.51

Richard Deschamps

RAPPORT: C92-60152.0 (COMPLET)

INFO. DE RÉFÉRENCE: P.O. 136013

CLIENT: GROUPE AGNICO-EAGLE
 PROJET: 73

SOUIS PAR: GR.AGNICO-EAGLE
 DATE DE L'IMPRESSION: 31-MAR-92

COMMANDE	ÉLÉMENT	NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHOD
1 Au	Or	37	5 PPB	PYRO ANALYSE	PYROANALYSE @ 30 G
2 As	Arsenic	37	1.0 PPM		ACT. NEUTRONIQUE
3 Cu	Cuivre	37	1 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
4 Pb	Plomb	37	2 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
5 Zn	Zinc	37	1 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
6 Fe	Fer	37	0.01 PCT	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
7 Mn	Manganese	37	1 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
8 Ni	Nickel	37	2 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTE DE FORAGE	37	-150	37	CONCASSER, PULVERISER	37

COPIES DU RAPPORT A: A/S STEFAN LOPATKA

FACTURE A: A/S STEFAN LOPATKA

RAPPORT: C92-60152.0 (COMPLET)

DATE DE L'IMPRESSION: 31-MAR-92

PROJET: 73

PAGE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au PPB	As PPM	Cu PPM	Pb PPM	Zn PPM	Fe PCT	Mn PPM	Ni PPM
A-21280		<5	2.2	26	<2	48	2.03	613	14
A-21281		<5	<1.0	13	<2	28	1.62	369	12
A-21282		<5	2.5	36	4	58	3.54	992	16
A-21283		<5	4.6	80	<2	87	9.10	1234	67
A-21284		<5	<1.0	47	<2	93	7.40	1326	94
A-21285		<5	1.6	115	<2	111	9.80	1418	76
A-21286		<5	3.2	108	<2	100	10.00	1329	59
A-21287		<5	<1.0	88	<2	52	4.60	1317	78
A-21288		<5	<1.0	78	<2	66	4.90	1046	103
A-21289		<5	<1.0	69	<2	66	4.50	994	108
A-21290		<5	17.0	93	<2	79	6.80	1434	198
A-21291		<5	8.5	120	<2	97	8.50	1198	500
A-21292		<5	5.1	70	18	608	10.10	760	201
A-21293		<5	2.4	94	16	395	6.40	1000	90
A-21294		<5	2.1	140	68	518	7.50	1354	84
A-21295		5	28.0	379	84	3428	5.90	878	311
A-21296		<5	3.2	281	102	3418	8.80	1057	92
A-21297		<5	2.6	115	11	478	9.20	1761	95
A-21298		7	5.3	248	93	748	4.30	630	95
A-21299		12	20.0	729	119	958	4.50	557	122
A-21300		9	10.0	479	117	1958	4.10	452	102
A-21301		<5	15.0	375	59	978	5.80	681	95
A-21302		5	17.0	373	113	1018	7.00	997	99
A-21303		<5	3.0	469	218	1108	6.60	441	81
A-21304		<5	4.2	332	180	2898	5.80	477	70
A-21305		<5	11.0	126	44	918	10.30	1522	162
A-21306		<5	1.9	63	<2	101	7.20	1161	97
A-21307		<5	1.3	53	<2	126	8.40	1149	68
A-21308		<5	<1.0	74	<2	107	9.70	1312	101
A-21309		<5	5.2	86	39	227	8.70	552	34
A-21310		<5	<1.0	65	<2	86	7.30	1214	90
A-21311		<5	<1.0	83	5	105	8.40	978	117
A-21312		<5	14.0	175	6	104	15.40	580	48
A-21313		<5	6.4	170	2	109	11.50	691	118
A-21314		<5	1.6	83	10	108	9.50	1272	144
A-21315		<5	3.0	85	59	285	7.30	832	82
A-21316		<5	2.5	38	23	238	5.60	808	57

CHIMITEC LTEE

700 Rue Nérée Tremblay
 Ste-Foy, Québec G1N 4H7
 (418) 683-1777
 FAX: (418) 683-7791

CHIMITEC LTEE

RAPPORT D'ANALYSE
 GÉOCHIMIQUE

RAPPORT: C92-60168.0 (COMPLET)

INFO. DE RÉFÉRENCE: P.O. 136014

CLIENT: GROUPE AGNICO-EAGLE
 PROJET: 73

SOUHIS PAR: GR.AGNICO-EAGLE
 DATE DE L'IMPRESSION: 7-APR-92

COMMANDE	ÉLÉMENT	NOMBRE LIMITE INFÉRIEURE		EXTRACTION	MÉTHOD
		D'ANALYSES	DE DETECTION		
1 Au	Or	6	5 PPB	PYRO ANALYSE	PYROANALYSE 30 G
2 As	Arsenic	6	1.0 PPM		ACT. NEUTRONIQUE
3 Cu	Cuivre	6	1 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
4 Pb	Plomb	6	2 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
5 Zn	Zinc	6	1 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
6 Fe	Fer	6	0.01 PCT	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
7 Mn	Manganese	6	1 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
8 Ni	Nickel	6	2 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTE DE FORAGE	6	-150	6	CONCASSER, PULVERISER	6

COPIES DU RAPPORT A: PAR FAX: 819-756-2744
 A/S STEFAN LOPATKA
 PAR FAX: 819-756-3318

FACTURE A: A/S STEFAN LOPATKA

CHIMITEC LTEE

700 Rue Nérée Tremblay
Ste-Foy, Québec G1N 4H7
(418) 683-1777
FAX: (418) 683-7791

CHIMITEC LTEE

RAPPORT D'ANALYSE
GÉOCHIMIQUE

RAPPORT: C92-60168.0 (COMPLET)

DATE DE L'IMPRESSION: 7-APR-92

PROJET: 73

PAGE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au PPB	As PPM	Cu PPM	Pb PPM	Zn PPM	Fe PCT	Mn PPM	Ni PPM
A-21317		<5	1.6	25	<2	49	2.19	564	22
A-21318		<5	3.8	60	<2	62	3.43	586	22
A-21319		<5	<1.0	45	<2	59	3.65	692	44
A-21320		<5	2.1	33	<2	51	3.40	737	42
A-21321		<5	2.4	42	<2	47	3.00	593	29
A-21322		<5	3.6	38	<2	105	4.14	745	18

CHIMITEC L

700 Rue Nérée Tremblay
 Ste-Foy, Québec G1N 4H7
 (418) 683-1777
 FAX: (418) 683-7791

CHIMITEC LEE

**RAPPORT D'ANALYSE
 GÉOCHIMIQUE**

RAPPORT: C92-60151.0 (COMPLET)

INFO. DE RÉFÉRENCE: P.O. 136013

CLIENT: GROUPE AGNICO-EAGLE
 PROJET: 72

SOUIS PAR: GROUPE AGNICO-EAGLE
 DATE DE L'IMPRESSION: 3-APR-92

COMMANDE	ÉLÉMENT		NOMBRE LIMITE INFÉRIEURE		EXTRACTION	MÉTHOD
			D'ANALYSES	DE DETECTION		
1	SiO2	Di-Oxyde de Silice	3	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
2	TiO2	Di-Oxyde de Titane	3	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
3	Al2O3	Aluminium	3	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
4	Fe2O3	Fer total	3	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
5	MnO	Oxyde de Manganese	3	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
6	MgO	Oxyde de Magnesium	3	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
7	CaO	Calcium (CaO)	3	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
8	Na2O	Oxyde de Sodium	3	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
9	K2O	Potassium	3	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
10	P2O5	Phosphore (P2O5)	3	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
11	LOI	Perte au feu	3	0.05 PCT		GRAVIMETRIE
12	Total	Total Element Majeur	3	0.01 PCT		
13	Sr	Strontium	3	1 PPM	FUSION BORATE	INDUC. COUP. PLASMA
14	Zr	Zirconium	3	1 PPM		XRAY FLUORESCENCE
15	Y	Yttrium	3	1 PPM		XRAY FLUORESCENCE
16	Rb	Rubidium	3	1 PPM		XRAY FLUORESCENCE

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTE DE FORAGE	3	-150	3	CONCASSER, PULVERISER	3

COPIES DU RAPPORT A: PAR FAX: 819-756-2744
 A/S STEFAN LOPATKA
 PAR FAX: 819-756-3318

FACTURE A: A/S STEFAN LOPATKA

DATE DE L'IMPRESSION: 3-APP-92

RAPPORT: C92-60151.0 (COMPLET)

PROJET: 72

PAGE 1A

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3 PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT
A-19007		54.90	0.62	15.97	7.44	0.13	7.12	3.57	6.26	0.02	0.04	3.21
A-19008		45.65	0.33	7.23	9.99	0.15	23.06	6.91	<0.01	0.07	0.07	5.47
A-19009		52.69	0.69	16.31	5.89	0.12	6.00	5.69	5.78	0.14	0.12	6.57

CHIMITEC LTEE
 700 Rue Nérée Tremblay
 Ste-Foy, Quebec G1N 4H7
 (418) 683-1777
 FAX: (418) 683-7791

CHIMITEC LTEE

RAPPORT D'ANALYSE
 GÉOCHIMIQUE

RAPPORT: C92-60151.1 (COMPLET)

INFO. DE RÉFÉRENCE: P.O. 136013

CLIENT: GROUPE AGNICO-EAGLE
 PROJET: 72

SOUIS PAR: GROUPE AGNICO-EAGLE
 DATE DE L'IMPRESSION: 31-MAR-92

COMMANDE	ÉLÉMENT	NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHOD
1	Au Or	3	5 PPM	PYRO ANALYSE	PYROANALYSE @ 30 G
2	As Arsenic	3	1.0 PPM		ACT. NEUTRONIQUE
3	Cu Cuivre	3	1 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
4	Pb Plomb	3	2 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
5	Zn Zinc	3	1 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
6	Ni Nickel	3	2 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTE DE FORAGE	3	-150	3	TEL QUE RECU	3

COPIES DU RAPPORT A: PAR FAX: 819-756-2744
 A/S STEFAN LOPATKA
 PAR FAX: 819-756-3318

FACTURE A: A/S STEFAN LOPATKA

CHIMITEC LTEE

700 Rue Nérée Tremblay
Ste-Foy, Québec G1N 4H7
(418) 683-1777
FAX: (418) 683-7791

CHIMITEC LTEE

RAPPORT D'ANALYSE
GÉOCHIMIQUE

RAPPORT: C92-60151.1 (COMPLET)

DATE DE L'IMPRESSON: 31-MAR-92

PROJET: 72

PAGE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au PPB	As PPM	Cu PPM	Pb PPM	Zn PPM	Ni PPM
A-19007		<5	<1.0	114	<2	51	95
A-19008		<5	14.0	60	<2	36	640
A-19009		<5	<1.0	82	<2	68	94

CHIMITEC LTEE

700 Rue Nérée r.r.v.01ay
 Ste-Foy, Quebec G1N 4H7
 (418) 683-1777
 TELEX 051-3786 LOCAL 272

CHIMITEC LTEE

CERTIFICAT
 D'ANALYSE

RAPPORT: C92-60151.5 (COMPLET)

INFC. DE RÉFÉRENCE: P.O. 136013

CLIENT: GROUPE AGNICO-EAGLE

SOU MIS PAR: GROUPE AGNICO-EAGLE

PROJET: 72

DATE DE L'IMPRESSION: 1-APR-92

COMMANDE	ÉLÉMENT	NOMBRE D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION	EXTRACTION	MÉTHOD
1	CO2 Bioxyde de Carbone	3	0.01 PCT		

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CARTE DE FORAGE	3	-150	3	TEL QUE RECU	3

COPIES DU RAPPORT A: PAR FAX: 819-756-2744
 A/S STEFAN LOPATKA
 PAR FAX: 819-756-3318

FACTURE A: A/S STEFAN LOPATKA

R. L.

RAPPORT: C92-60151.5 (COMPLET)

DATE DE L'IMPRESSION: 1992-07-22
PROJET: 72 PAGE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	CO2 PCT
A-19007		0.75
A-19008		0.06
A-19009		4.04

Richard Deschamps

CHIMITEC LEE

70 Rue Nérée Tremblay
 Ste-Foy, Québec G1N 4H7
 (418) 683-1777
 FAX: (418) 683-7791

CHIMITEC LEE

RAPPORT D'ANALYSE
 GÉOCHIMIQUE

RAPPORT: C92-60190.0 (COMPLET)

INFO. DE RÉFÉRENCE: P.G. 136015

CLIENT: GROUPE AGNICO-EAGLE
 PROJET: MC CLURE

SOUIS PAR: GROUPE AGNICO-EAGLE
 DATE DE L'IMPRESSION: 21-APR-92

COMMANDE	ÉLÉMENT	NOMBRE		EXTRACTION	MÉTHOD	
		D'ANALYSES	LIMITE INFÉRIEURE DE DETECTION			
1	SiO2	Di-Oxyde de Silice	10	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
2	TiO2	Di-Oxyde de Titane	10	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
3	Al2O3	Aluminium	10	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
4	Fe2O3	Fer total	10	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
5	MnO	Oxyde de Manganese	10	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
6	MgO	Oxyde de Magnesium	10	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
7	CaO	Calcium (CaO)	10	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
8	Na2O	Oxyde de Sodium	10	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
9	K2O	Potassium	10	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
10	P2O5	Phosphore (P2O5)	10	0.01 PCT	FUSION BORATE	INDUC. COUP. PLASMA
11	LOI	Perte au feu	10	0.05 PCT		GRAVIMÉTRIE
12	Total	Total Element Majeur	10	0.01 PCT		
13	Sr	Strontium	10	1 PPM	FUSION BORATE	INDUC. COUP. PLASMA
14	Zr	Zirconium	10	1 PPM		XRAY FLUORESCENCE
15	Y	Yttrium	10	1 PPM		XRAY FLUORESCENCE
16	Rb	Rubidium	10	1 PPM		XRAY FLUORESCENCE

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CARTE DE FORAGE	10	-150	10	CONCASSER, PULVERISER	10

COPIES DU RAPPORT A: PAR FAX: 819-756-2744
 A/S STEFAN LOPATKA
 PAR FAX: 819-756-3318

FACTURE A: A/S STEFAN LOPATKA

CHIMITEC LTEE

700 Rue Nérée Tremblay
 Ste-Foy, Québec G1N 4H7
 (418) 683-1777
 FAX: (418) 683-7791

CHIMITEC LTEE

RAPPORT D'ANALYSE
 GÉOCHIMIQUE

DATE DE L'IMPRESSION: 21-APR-92

RAPPORT: C92-60190.0 (COMPLET)

PROJET: MC CLURE

PAGE 1A

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3 PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT
A-19010		66.91	0.33	16.56	3.44	0.05	3.33	0.74	3.90	2.28	0.12	2.76
A-19011		44.05	1.14	19.25	7.96	0.29	2.13	7.55	2.94	0.96	0.12	12.85
A-19012		40.51	0.58	11.88	22.45	0.79	3.92	8.14	0.06	0.10	0.08	11.99
A-19013		58.39	0.90	19.79	4.30	0.14	2.32	7.57	3.03	0.39	0.10	3.65
A-19014		62.10	0.96	21.15	2.15	0.03	1.15	5.00	5.83	0.81	0.13	1.49
A-19015		55.34	0.83	20.51	4.02	0.13	2.92	7.99	4.24	0.30	0.08	4.52
A-19016		49.29	0.69	13.56	10.46	0.16	11.63	6.12	4.09	<0.01	0.07	4.46
A-19017		47.88	0.28	5.38	9.61	0.13	22.91	8.71	<0.01	<0.01	0.03	4.69
A-19018		47.28	0.30	5.89	9.89	0.14	23.15	7.68	<0.01	<0.01	<0.01	4.81
A-19019		49.33	0.62	12.74	10.86	0.18	9.37	10.17	3.44	<0.01	0.02	4.01

CHIMITEC LTEE

700 Rue Nérée Tremblay
Ste-Foy, Québec G1N 4H7
(418) 683-1777
FAX: (418) 683-7791

CHIMITEC LTEE

RAPPORT D'ANALYSE
GÉOCHIMIQUE

RAPPORT: C92-60190.0 (COMPLET)

DATE DE L'IMPRESSION: 21-APR-92

PROJET: MC CLURE

PAGE 1R

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Total PCT	Sr PPM	Zr PPM	Y PPM	Rb PPM
A-19010		100.42	36	138	6	57
A-19011		99.26	232	66	19	43
A-19012		100.51	59	96	12	8
A-19013		100.60	144	68	15	23
A-19014		100.82	151	72	7	40
A-19015		100.90	159	58	15	18
A-19016		100.49	81	55	20	<1
A-19017		99.62	6	29	5	<1
A-19018		99.14	6	28	7	1
A-19019		100.75	177	42	14	1

CHIMITEC LEE

700 Rue Nérée Tremblay
 Ste-Foy, Québec G1N 4H7
 (418) 683-1777
 FAX: (418) 683-7791

CHIMITEC LEE

RAPPORT D'ANALYSE
 GÉOCHIMIQUE

RAPPORT: C92-60190.1 (COMPLET)

INFO. DE RÉFÉRENCE: P.G. 136015

CLIENT: GROUPE AGNICO-EAGLE
 PROJET: MC CLURE

SOUIS PAR: GROUPE AGNICO-EAGLE
 DATE DE L'IMPRESSION: 21-APR-92

COMMANDE	ÉLÉMENT	NOMBRE LIMITE INFÉRIEURE		EXTRACTION	MÉTHOD
		D'ANALYSES	DE DÉTECTION		
1	Au Or	10	5 PPB	PYRO ANALYSE	PYROANALYSE @ 30 G
2	As Arsenic	10	1.0 PPM		ACT. NEUTRONIQUE
3	Cu Cuivre	10	1 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
4	Pb Plomb	10	2 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
5	Zn Zinc	10	1 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE
6	Ni Nickel	10	2 PPM	HCL:HNO3 (3:1)	ABSORPTION ATOMIQUE

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTE DE FORAGE	10	-150	10	TEL QUE RECU	10

COPIES DU RAPPORT A: PAR FAX: 819-756-2744

FACTURE A: A/S STEFAN LOPATKA

A/S STEFAN LOPATKA
 PAR FAX: 819-756-3318

DATE DE L'IMPRESSION: 23-APR-92

RAPPORT: C92-60190.1 (COMPLET)

PROJET: MC CLURE

PAGE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	Au PPB	As PPM	Cu PPM	Pb PPM	Zn PPM	Ni PPM
A-19010		<5	<1.0	16	<2	40	24
A-19011		<5	47.0	107	<2	211	130
A-19012		<5	<1.0	28	<2	87	32
A-19013		<5	<1.0	90	<2	39	61
A-19014		<5	<1.0	93	<2	19	47
A-19015		<5	<1.0	110	2	77	125
A-19016		<5	<1.0	102	<2	48	86
A-19017		<5	<1.0	54	<2	37	1043
A-19018		<5	<1.0	63	<2	35	984
A-19019		13	<1.0	100	<2	40	206

CHIMITEC LTEE

700 Rue Nérée Tremblay
Ste-Foy, Québec G1N 4H7
(418) 683-1777
TÉLEX: 051-3786 LOCAL 272

CHIMITEC LTEE

CERTIFICAT
D'ANALYSE

RAPPORT: C92-60190.5 (COMPLET)

INFO. DE RÉFÉRENCE: P.O. 136015

CLIENT: GROUPE AGNICO-EAGLE
PROJET: MC CLURE

SOUIS PAR: GROUPE AGNICO-EAGLE
DATE DE L'IMPRESSION: 24-APR-92

COMMANDE	ÉLÉMENT	NOMBRE LIMITE INFÉRIEURE		EXTRACTION	MÉTHOD
		D'ANALYSES	DE DÉTECTION		
1	CO2 Bioxyde de Carbone	10	0.01 PCT		

TYPES D'ÉCHANTILLONS	NOMBRE	FRACTION UTILISÉE	NOMBRE	PRÉP. DE L'ÉCHAN.	NOMBRE
CAROTE DE FORAGE	10	-150	10	TEL QUE RECU	10

COPIES DU RAPPORT A: PAR FAX: 819-756-2744
A/S STEFAN LOPATKA
PAR FAX: 819-756-3318

FACTURE A: A/S STEFAN LOPATKA

Q 2

RAPPORT: C92-60190.5 (COMPLET)

DATE DE L'IMPRESSION: 24-APR-92

PROJET: MC CLURE

PAGE 1

NUMÉRO DE L'ÉCHANTILLON	ÉLÉMENT UNITÉS	CO2 PCT
A-19010		0.32
A-19011		11.30
A-19012		8.96
A-19013		1.51
A-19014		0.24
A-19015		1.91
A-19016		1.09
A-19017		0.11
A-19018		0.10
A-19019		2.31

Richard Deschambault