

GM 50696

REPORT ON THE 1991 WINTER DRILL PROGRAM, JOUVAL PROPERTY

Documents complémentaires

Additional Files



Licence



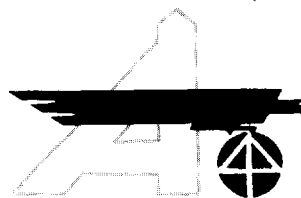
Licence

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 

GROUPE
AGNICO EAGLE
DIVISION EXPLORATION



REPORT ON THE 1991 WINTER DRILL PROGRAM

ON THE

JOUVAL PROPERTY

**ÉNERGIE ET RESSOURCES
SECTEUR MINES**

14 JUIN 1991

Bureau régional Val d'Or

June 5th, 1991

Ministère de l'Énergie et des Ressources Division des données géoscientifiques
DATE <u>24 SEP 1991</u>
NO G.M. <u>050696</u>

by P. Marquis, Ph.D.

Exploration geologist

TABLE OF CONTENT

	Page
1. Summary	3
2. Introduction	4
3. Physiography and access	5
4. Claim listing	6
5. Drill summary	7
6. Geology of the northwestern part of the Jouval property	13
6.1 Introduction	13
6.2 Lithostratigraphy	13
6.2.1 Lower volcanoclastites	13
6.2.2 Sedimentary rocks	14
6.2.3 Upper volcanoclastites	14
6.2.4 Lithostratigraphy of the area	14
6.3 Structure	15
6.4 Economic geology	16
7. Recommendations	17
8. References	18

Appendix A: DDH logs

B: Analytical results

1. SUMMARY

Six holes for 1470,3 metres were drilled by Groupe Agnico-Eagle Division Exploration on the Jouval Cominco - Agnico-Eagle joint-venture from 1991/02/04 to 1991/02/21.

The drill program has tested systematically an I.P. trend interpreted to correspond to a sedimentary sequence hosting potentially auriferous iron carbonate units. This lithotype is the dominant host of the gold mineralization of the Eagle-Telbel deposits located immediately South-East of the Jouval property.

All holes intersected a stratigraphic sequence fairly consistent along strike. The sequence faces North-East and is made up, from South-West to North-East of i) the Lower Volcaniclastites, ii) the Sediments that includes iron carbonate unit, and iii) the Upper Volcaniclastites. The best result of this program is 360 ppb Au over 1,5 metres.

2. INTRODUCTION

Six holes for 1470,3 metres were drilled from 1991/02/04 to 1991/02/21 by Forage Moderne Inc. for the Exploration Division of the Agnico-Eagle Group on the Jouval property, a Cominco Ltd - Agnico-Eagle Mines Ltd joint venture.

Targets were selected on the basis of results obtained from magnetometer and, particularly, I.P. surveys, to test systematically a strike-length of two kilometres of potentially favorable lithologies for Eagle-Telbel-type gold mineralization. The area of investigation was North-West of the area tested during the 1990 winter drill program.

3. LOCATION, PHYSIOGRAPHY AND ACCESS

The Jouval property is located in the Joutel and Valrennes Townships (NTS 32E, 09), Abitibi district, Northwestern Québec. More specifically, the property is located 7 to 12 km North-West of the town of Joutel, and 1,5 to 6,5 km North-West of the Eagle Mine shaft. The property is traversed by the North-West-flowing Harricana River. The land is generally flat lying with maximum relief of 25 metres mostly along the left banks of the River. The land is poorly drained though some creeks traverse it and drain into the River. The Harricana banks are characterized by a very mature poplar and birch forest. Swamps and spruce forest are typical of the land away from the River banks. Outcrops are rare and restricted to the left banks of the Harricana River, typically along the River itself. The overburden is up to 25 m thick with an average thickness of 15 m; it is composed of varved clays and silts.

Access to the property is provided by the Harricana River all year long, and by bush roads during winter. These bush roads are accessible from the main road from Joutel to the Eagle-Telbel mine site.

The drilling reported here was carried out on the northwestern part of the property.

4. CLAIM LIST

The 1991 drill program was carried out on the claims listed below:

388644-1

388644-2

388645-1

388645-2

388646-1

388646-2

388647-1

388647-2

5. DRILL SUMMARY

JV-91-10

24+00W Az.: 217 Total depth: 246,0 m
0+06S Pl.: -50

Summary log

000,00-018,00 Overburden
018,00-080,83 Felsic volcanoclastites
080,83-157,40 Sediments
 080,83-081,30 Magnetite-chert iron formation
 081,30-148,08 Heterogeneous sequence of clastic sediments.
 with minor chert
 148,08-157,40 Iron carbonate unit
157,40-246,00 Felsic and porphyritic intermediate tuffs
 157,40-189,20 Felsic tuff
 189,20-217,00 Massive feldspar phyrlic intermediate tuff
 217,00-246,00 Hybrid sequence of quartz eye tuff and massive
 feldspar phyrlic intermediate tuff
246,00 End of hole

Pyritic sediments from 142,1 to 157,4 explain the I.P. anomaly. Best gold value was 154 ppb, within the pyritic iron carbonate unit.

JV-91-11

28+00W Az.: 217 Total depth: 246,0 m
 0+40S Pl.: -50

Summary log

000,00-011,90 Overburden
 018,00-086,10 Felsic volcanoclastites
 086,10-160,75 Sediments
 086,10-152,07 Heterogeneous sequence of clastic sediments
 with minor chert and graphitic argillite
 152,07-154,30 Iron carbonate unit
 154,30-160,75 Heterogeneous sequence of ankeritic clastic
 sediments
 160,75-244,50 Felsic and porphyritic intermediate tuffs
 160,75-172,50 Felsic tuff
 172,50-209,80 Massive feldspar phyric intermediate tuff
 209,80-230,50 Hybrid sequence of quartz eye tuff and massive
 feldspar phyric intermediate tuff
 230,50-244,50 Felsic to intermediate tuff
 246,00 End of hole

Several beds of pyritic and graphitic sediments within the sedimentary sequence explain the I.P. anomaly. Best gold value was 86 ppb, within the pyritic iron carbonate unit.

JV-91-12

36+00W Az.: 217 Total depth: 246,0 m
 0+85S Pl.: -50

Summary log

000,00-031,00 Overburden
 031,00-065,32 Felsic volcanoclastites with minor clastic sediments
 065,32-185,80 Sediments
 065,32-138,00 Heterogeneous sequence of clastic sediments
 with minor chert and graphitic argillite
 138,00-150,10 Iron carbonate unit
 150,10-185,85 Heterogeneous sequence of ankeritic clastic
 sediments with minor felsic tuff
 185,80-246,00 Felsic and porphyritic intermediate tuffs
 185,80-202,20 Felsic tuff
 202,20-232,00 Massive feldspar phyric intermediate tuff
 232,20-246,00 Hybrid sequence of quartz eye tuff and massive
 feldspar phyric intermediate tuff
 246,00 End of hole

Several beds of pyritic and graphitic sediments within the sedimentary sequence explain the I.P. anomaly. Best gold value was 360 ppb, within the pyritic iron carbonate unit. This hole has the best intersection of the program with an average of 129 ppb Au over 13,2 metres that corresponds to the thickest and most pyritic iron carbonate unit drilled during this program.

JV-91-13

32+00W Az.: 217 Total depth: 246.0 m
 0+65S Pl.: -50

Summary log

000,00-022,00 Overburden

022,00-049,85 Felsic volcanoclastites
049,85-147,00 Sediments
 049,85-135,38 Heterogeneous sequence of clastic sediments
 with minor chert, graphitic argillite and
 felsic tuff
 135,38-139,52 Iron carbonate unit
 139,52-147,00 Heterogeneous sequence of ankeritic clastic
 sediments with minor felsic volcanoclastites
147,00-246,00 Felsic and porphyritic intermediate tuffs
 147,00-155,20 Felsic tuff
 155,20-246,00 Hybrid sequence of quartz eye tuff and massive
 feldspar phyric intermediate tuff
246,00 End of hole

Several beds of pyritic and graphitic sediments within the sedimentary sequence explain the I.P. anomaly. Best gold value was 249 ppb, within the pyritic sediments.

JV-91-14

44+00W Az.: 217 Total depth: 243,3 m
1+95S Pl.: -50

Summary log

000,00-016,00 Overburden

016,00-138,50 Sediments

 016,00-135,10 Heterogeneous sequence of clastic sediments
 with minor chert and graphitic argillite

 135,10-137,00 Iron carbonate unit

 137,00-138,50 Heterogeneous sequence of ankeritic clastic
 sediments

138,50-243,30 Felsic and intermediate tuff

243,30 End of hole

Several beds of pyritic and graphitic sediments within the sedimentary sequence explain the I.P. anomaly. Best gold value was 20 ppb, within the pyritic sediments.

JV-91-15

40+00W Az.: 217 Total depth: 243,0 m

Ø+40S Pl.: -50

Z

Summary log

000,00-025,00 Overburden

025,00-037,30 Felsic volcaniclastites

037,30-161,50 Sediments

037,30-137,00 Heterogeneous sequence of clastic sediments
with minor chert, graphitic argillite and
felsic tuff

137,00-151,50 Iron carbonate unit

151,50-161,50 Heterogeneous sequence of ankeritic clastic
sediments

161,50-243,00 Felsic and porphyritic intermediate tuffs

161,50-186,60 Felsic tuff

186,60-223,90 Massive feldspar phyric intermediate tuff

223,90-243,00 Hybrid sequence of quartz eye tuff and massive
feldspar phyric intermediate tuff

243,00 End of hole

Several beds of pyritic and graphitic sediments within the
sedimentary sequence explain the I.P. anomaly. No detected gold in
this hole.

6. GEOLOGY OF THE NORTHWESTERN HALF OF THE JOUVAL PROPERTY

6.1 INTRODUCTION

The 1991 drill program on the Jouval property has confirmed the interpretation, based on the magnetometer, MaxMin and I.P. surveys of the 1990 summer, that a strong I.P. trend across the entire length of the property was related to a sedimentary sequence. The drill program has also confirmed the presence of an iron carbonate unit, the most favorable lithotype of the area for gold mineralization (Simard and Genest, 1990; Dubé *et al.*, 1991), within this sedimentary sequence.

6.2 LITHOSTRATIGRAPHY

The six holes drilled during this program have intersected broadly similar lithological sequences. The typical sequence, from South-West to North-East, is made up of i) the Lower Volcaniclastites, of unknown thickness, overlain successively by ii) 50 to more than 85 metres of sediments and iii) by 100 to 150 metres of the Upper Volcaniclastites. Units strike North-West and are subvertical to steeply north-dipping.

6.2.1 Lower Volcaniclastites

The Lower Volcaniclastites package is made up, from South-West to North-East, of the following four units:

- A. Strongly sheared volcaniclastic rocks of felsic composition, heterogeneously sericitic, hematitic and chloritic (see section on structure below for more details);
- B. Interlayered quartz eye sericitic tuff and feldspar phyric chloritic tuff, the later similar to the overlying lithotype (C);

- C. Massive feldspar phyric chloritic tuff and lapilli-tuff; and
- D. Quartz eye sericitic tuff.

Unit C is absent in hole JV-91-13 where unit B is more extensive. Units B, C, and D are absent or too deformed to be recognized in hole JV-91-14 where a strong shear zone occurs South-West of the sedimentary sequence.

6.2.2 Sediments

Clastic sediments dominate the Sediment. A very homogeneous green quartziferous arenite in massive tick beds is the most common lithotype, which is interbedded with thinner beds of lithic conglomerate. Narrow packages of siltstone, graphitic argillite and chert, together with minor ash tuff are interlayered within the coarse clastic sediments. An iron carbonate unit occurs near the base of the sedimentary sequence, directly above a sequence of ankeritic clastic sediments. A felsic volcanoclastic unit is interlayered with the ankeritic sediments in holes JV-91-12 and JV-91-13.

6.2.3 Upper Volcaniclastites

The Sediments are overlain by tuffs and lapilli-tuffs made up of various amounts of quartz crystals, feldspar crystals, chloritic shards and felsic lithic fragments. These lithologies outcrop South East of the area covered by the drill program, and include felsic volcanoclastic breccia that were not intersected by drill holes.

6.2.4 Lithostratigraphy of the area

Compilation of previous drilling and mapping programs for the area indicate that the Upper Volcaniclastites are overlain successively by 30 to 100 metres of Porphyritic Andesite, 10 to 50

metres of Felsic Rocks together with minor chemical sediments, and by more than 100 metres of siltstone, argillite and sandstone.

The stratigraphy of the Jouval area appears broadly similar to, and probably correlable with, the stratigraphy of the Eagle-Telbel area. We propose here that the Lower Volcanoclastites, the Sediments, and the Upper Volcanoclastites intersected in this drill programm, as well as the Porphyritic Andesite and the Siltstone-argillite-sandstone sequence correlate with, respectively, the footwall felsic rocks, the sediments that include auriferous iron carbonate units, the felsic volcanoclastites, the andesite and the Harricana sediments of the mine sequence of the Eagle and Telbel deposits (see Simard and Genest, 1990; Dubé et al., 1991).

6.3 STRUCTURE

The continuity along strike of the different units and rare graded bedding in clastic sediments that indicate stratigraphic top to the North-East suggest that the sequence drilled is an homocline striking North-West and steeply dipping toward the North-East.

The strain is more important toward the South-West within the Lower Volcaniclastites. Less deformed rocks are typically chloritic and weakly foliated. Moderately deformed rocks are characterized by sericitic spaced cleavages (S1) at low angle to the bedding (S0). Strongly deformed rocks show a more uniform sericitic cleavage (S1) and a well-developped sericitic crenulation cleavage (S2) at high angle to S1.

The stronger shearing toward the South-West suggest the proximity of a major shear zone that may corresponds to the southwestern limit of the homocline. The sediments of the Harricana Sedimentary Basin (Lacroix et al., 1990) are typically cutted by graphitic shear zones. Similarly, a graphitic shear zone occurs at the contact between the sediments of the Harricana Sedimentary

Basin and the volcanites of the Cartwright Domain, suggesting that this major contact may be the northeastern limit of the homocline.

Within the homocline, the deformation is usually weak to moderate, except in the northwesternmost part of the Jouval property where most of the sequence intersected in hole JV-91-14 is strongly sheared. The more complex stratigraphic relationships in the northwestern part of the Jouval property are best explained, therefore, by structural complications due to shearing and faulting.

6.4 ECONOMIC GEOLOGY

The gold content of the iron carbonate unit, although low, shows a zonation along strike and is anomalous in holes JV-91-10 to JV-91-13, with better values in the area of holes JV-91-12 and JV-91-13.

Traces of chalcopyrite were present in hole JV-91-13 and JV-91-15. Two occurrences of chalcopyrite in hole JV-91-13 were within the Lower volcanoclastites, more specifically associated to a quartz vein and to a chloritic zone. In hole JV-91-15, the chalcopyrite is in quartz-dolomite-pyrite veins concentrated within a chloritic zone.

7. RECOMMENDATIONS

The results of this drill program were disappointing. However, the presence of the favorable lithotype is now established and anomalous gold values occur in holes JV-91-12 and JV-91-13. Considering i) the limited strike-length (~150 metres) of the recently discovered Eagle West zone on the Eagle-Telbel properties, ii) the relatively wide spacing (400 metres) retained for the systematic investigation of the favorable lithotype, and iii) the abrupt change in gold grade within the favorable lithotype around the Eagle West deposit (from economic values within the deposit to basically undetectable gold values around it), we conclude that the area of holes JV-91-12 and JV-91-13 is still of interest.

A lithogeochemical program of the volcanoclastites is recommended to determine the type of regional alteration and to detect potential alteration zones directly related to the pyritic and auriferous portion of the iron carbonate unit.

8. REFERENCES

- Dubé, L.M., Hubert, C., Brown, A.C., and Simard, J.M., 1991. The Telbel orebody of the Agnico-Eagle mine in the Joutel area of the Abitibi greenstone belt, Québec, Canada: a stratabound, gold-bearing massive siderite deposit with early diagenetic pyritization. Extended abstract presented at the international Gold '91 meeting held in Brazil, May 1991.
- Simard, J.M., and Genest, R., 1990. Géologie de la mine Agnico-Eagle, Joutel (Québec). In M. Rive et al. (eds.), The Northwestern Quebec Polymetallic Belt: A summary of 60 years of mining exploration, Canadian Institute of Mining and Metallurgy, Special Volume 43, 373-382.
- Lacroix, S., Pilote, P., Simard, A., and Dubé, L.M., 1990. Regional geologic elements and mineral resources of the Harricana-Turgeon Belt, Abitibi of NW Québec. In M. Rive et al. (eds.), The Northwestern Quebec Polymetallic Belt: A summary of 60 years of mining exploration, Canadian Institute of Mining and Metallurgy, Special Volume 43, 313-326.

APPENDIX A

DDH LOGS

MINES AGNICO-EAGLE LIMITEE
DIAMOND DRILL LOG

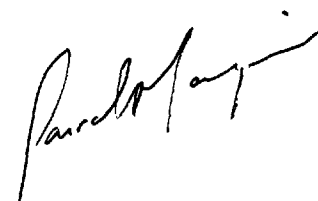
JV-91-10

04-26-1991 :: 16:09

PROPERTY :	JOUVAL	PROJECT # :	71	LICENSE # :	388644-2
NTS MAP # :	32E/9	TOWNSHIP :	JOUTEL	ELEVATION :	Surface
LINE/STATION:	24+00W / 0+06S	EASTINGS/NORTHINGS:		AZIMUTH :	217.0 degrees
LENGTH :	246.00 m	INCLINATION :	-50.0 degrees	ASSAYING BY :	AGNICO-EAGLE MINES & CHEMEX
OVERBURDEN :	18.00 m	CASING :	BQ CORE, CASING PULLED.	CORE LOCATION:	TELBEL CORE RACKS
LOGGED BY :	Z. MADON	DRILLED BY :	FORAGE MODERNE INC.		
DATE LOGGED :	1991/02/07 to 1991/02/10	DATE DRILLED :	1991/02/04 to 1991/02/09		

TROPARI & ACID TESTS

Depth	Dip	Azimuth
21.00	-47.0	*****
30.00	-48.0	*****
66.00	-47.0	*****
123.00	-41.0	219.0
190.00	-42.0	*****
244.50	-37.0	220.5



ABSTRACT

This hole was drilled to test systematically an IP trend interpreted to correspond to a sedimentary sequence hosting iron carbonate. The iron carbonate has been found from 140.08 to 157.4 m. Best result in this hole is 154 ppm from 148.08 to 148.80 m.

MINES AGNICO-EAGLE LIMITEE

JV-91-10

04-26-1991 :: 16:09

SUMMARY LOG

Page 2

From(m)	To(m)	Field Name (Legend)
0.00	18.00	Overburden (OVB)
18.00	49.80	Felsic (feldspar) crystal tuff (V9af)
49.80	62.75	Felsic (quartz) crystal tuff (V9a(q))
62.75	80.83	Felsic crystal-lapilli tuff (V11aq {V9a}) Strong shearing and limonitic alteration from 62.75 to 66 m.
80.83	81.30	Banded iron formation (F3 {Mt-Ch})
81.30	82.30	Conglomerate (S1gp)
81.30	97.60	Green sandstone / lithic conglomerate (S3av/S1) CNR from 83.55 to 84m; fault zone.
97.60	99.80	Sandstone-argillite-chert (S3/S4/Ch)
99.80	109.30	Green sandstone (S3av)
109.30	110.41	Sandstone-argillite-chert (S3/S4/Ch)
110.41	148.08	Heterogeneous sedimentary sequence: Sandstone-siltstone-argillite-chert (S3/S2/S4/Ch)
135.00	142.10	Conglomeratic sandstone (S3cl)
142.10	148.08	(1-30%Py)
148.08	157.40	Iron carbonate (F4a Tr-25%Py)
148.08	148.80	(25%Py)
157.40	168.60	Felsic (quartz) crystal tuff (V9aq)
168.60	189.20	Felsic tuff (V11a) Fault zone from 183.3 to 183.5 m.
189.20	217.00	Feldspar porphyry (massive) (V9if)
217.00	246.00	Feldspar porphyry / felsic tuff (V9if/V9afq) Several narrow gouges from 241.1 to 242.6.
246.00		END OF HOLE.

04-26-1991 :: 16:10

MINES AGNICO-EAGLE LIMITEE
DIAMOND DRILL LOG

JV-91-10
Page 4

From(m)	To(m)	Description	Sample	From (m)	To (m)	Width (m)	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
			15501	110.41	110.90	0.49	<5	--	<5	--	--
			15502	110.90	111.90	1.00	<5	--	<5	--	--
			15503	111.90	112.80	0.90	<5	--	<5	--	--
			15504	112.80	113.70	0.90	<5	--	<5	--	--
			15505	120.30	121.00	0.70	<5	--	<5	--	--
			15506	123.20	124.20	1.00	<5	--	<5	--	--
			15507	127.60	128.20	0.60	<5	--	<5	--	--
			15508	128.20	129.00	0.80	<5	--	<5	--	--
			15509	129.00	130.50	1.50	<5	--	<5	--	--
			15510	130.50	132.00	1.50	<5	--	<5	--	--
			15511	132.00	132.50	0.50	<5	--	<5	--	--
			15512	132.50	133.00	0.50	<5	--	<5	--	--
135.00	142.10	Conglomeratic sandstone (S3c1)									
			15513	140.30	141.00	0.70	<5	--	<5	--	--
142.10	148.08	(1-30%Py)									
			15514	142.10	142.90	0.80	<5	--	<5	--	--
			15515	142.90	144.40	1.50	<5	--	<5	--	--
			15516	144.40	145.50	1.10	<5	--	<5	--	--
			15517	145.40	146.50	1.10	<5	--	<5	--	--
			15518	146.50	147.30	0.80	<5	--	<5	--	--
			15519	147.30	148.08	0.78	10	--	10	--	--
148.08	157.40	Iron carbonate (F4a Tr-25%Py)									
			15520	148.08	148.80	0.72	154	0.010	--	--	0.004
			15521	148.80	150.00	1.20	51	0.002	--	--	0.002
			15522	150.00	151.50	1.50	51	tr	--	--	0.003
			15523	151.50	153.00	1.50	0	tr	--	--	<0.002
			15524	153.00	154.50	1.50	0	tr	--	--	<0.002
			15525	154.50	156.00	1.50	10	--	10	--	--
			15526	156.00	157.40	1.40	<5	--	<5	--	--
157.40	168.60	Felsic (quartz) crystal tuff (V9aq)									
			15527	157.40	158.40	1.00	<5	--	<5	--	--

MINES AGNICO-EAGLE LIMITEE
ASSAY LOG

JV-91-10
Page 6

04-26-1991 :: 16:11

Sample	From (m)	To (m)	Width (m)	-----Comment-----	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
15487	30.50	31.00	0.50		<5	--	<5	--	--
15488	53.30	54.70	1.40		<5	--	<5	--	--
15489	62.75	64.25	1.50		<5	--	<5	--	--
15490	64.25	66.10	1.85		<5	--	<5	--	--
15491	75.35	75.85	0.50		<5	--	<5	--	--
15492	80.83	81.30	0.47		<5	--	<5	--	--
15493	83.25	83.55	0.30		<5	--	<5	--	--
15494	85.10	86.20	1.10		<5	--	<5	--	--
15495	87.10	87.90	0.80		<5	--	<5	--	--
15496	97.60	99.00	1.40		<5	--	<5	--	--
15497	99.40	99.80	0.40		<5	--	<5	--	--
15498	101.60	102.60	1.00		<5	--	<5	--	--
15499	102.60	103.60	1.00		<5	--	<5	--	--
15500	109.30	110.41	1.11		<5	--	<5	--	--
15501	110.41	110.90	0.49		<5	--	<5	--	--
15502	110.90	111.90	1.00		<5	--	<5	--	--
15503	111.90	112.80	0.90		<5	--	<5	--	--
15504	112.80	113.70	0.90		<5	--	<5	--	--
15505	120.30	121.00	0.70		<5	--	<5	--	--
15506	123.20	124.20	1.00		<5	--	<5	--	--
15507	127.60	128.20	0.60		<5	--	<5	--	--
15508	128.20	129.00	0.80		<5	--	<5	--	--
15509	129.00	130.50	1.50		<5	--	<5	--	--
15510	130.50	132.00	1.50		<5	--	<5	--	--
15511	132.00	132.50	0.50		<5	--	<5	--	--
15512	132.50	133.00	0.50		<5	--	<5	--	--
15513	140.30	141.00	0.70		<5	--	<5	--	--
15514	142.10	142.90	0.80		<5	--	<5	--	--
15515	142.90	144.40	1.50		<5	--	<5	--	--
15516	144.40	145.50	1.10		<5	--	<5	--	--
15517	145.40	146.50	1.10		<5	--	<5	--	--
15518	146.50	147.30	0.80		<5	--	<5	--	--
15519	147.30	148.08	0.78		10	--	10	--	--
15520	148.08	148.80	0.72	25%Pyrite	154	0.010	--	--	0.004
15521	148.80	150.00	1.20	1%Pyrite	51	0.002	--	--	0.002
15522	150.00	151.50	1.50	1%Pyrite	51	tr	--	--	0.003
15523	151.50	153.00	1.50	2%Pyrite	0	tr	--	--	<0.002

MINES AGNICO-EAGLE LIMITEE

JV-91-10

04-26-1991 :: 16:11

ASSAY LOG

Page 7

Sample	From (m)	To (m)	Width (m)	-----Comment-----	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
15524	153.00	154.50	1.50		0	tr	--	--	<0.002
15525	154.50	156.00	1.50		10	--	10	--	--
15526	156.00	157.40	1.40		<5	--	<5	--	--
15527	157.40	158.40	1.00		<5	--	<5	--	--
15528	158.40	159.40	1.00		<5	--	<5	--	--
15529	165.60	166.20	0.60		<5	--	<5	--	--
15530	167.90	168.50	0.60		<5	--	<5	--	--
15531	170.70	171.60	0.90		<5	--	<5	--	--
15532	172.20	173.60	1.40		<5	--	<5	--	--
15533	180.30	180.70	0.40		<5	--	<5	--	--
15534	183.20	183.60	0.40		<5	--	<5	--	--
15535	199.20	200.60	1.40		<5	--	<5	--	--
15536	203.60	205.00	1.40		<5	--	<5	--	--
15537	210.30	211.40	1.10		<5	--	<5	--	--
15538	215.50	216.00	0.50		<5	--	<5	--	--
15539	217.00	218.38	1.38		<5	--	<5	--	--
15540	226.60	227.20	0.60		<5	--	<5	--	--
15541	227.80	229.00	1.20		<5	--	<5	--	--
15542	233.40	234.50	1.10		<5	--	<5	--	--
15543	238.50	239.70	1.20		<5	--	<5	--	--
15544	242.00	242.60	0.60		<5	--	<5	--	--

MINES AGNICO-EAGLE LIMITEE
DIAMOND DRILL LOG

JV-91-11

04-26-1991 :: 16:12

PROPERTY : JOUVAL
NTS MAP # : 32E/9
LINE/STATION: 28+00W / 0+40S
LENGTH : 246.00 m
OVERBURDEN : 11.90 m
LOGGED BY : P. MARQUIS/ Z. MADON
DATE LOGGED : 1991/02/06 to 1991/02/09

PROJECT # : 71
TOWNSHIP : JOUTEL
EASTINGS/NORTHINGS:
INCLINATION : -50.0 degrees
CASING : BQ CORE. CASING PULLED.
DRILLED BY : FORAGE MODERNE INC.
DATE DRILLED : 1991/02/04 to 1991/02/08

LICENSE # : 388645-2, 388644-1
ELEVATION : Surface
AZIMUTH : 217.0 degrees
ASSAYING BY : AGNICO-EAGLE MINES & CHEMEX
CORE LOCATION: TELBEL CORE RACKS

TROPARI & ACID TESTS

Depth	Dip	Azimuth
16.00	-53.0	*****
50.00	-48.0	*****
80.00	-43.0	*****
133.00	-36.0	217.0
185.00	-38.0	*****
241.00	-31.0	220.0

Paral aty

ABSTRACT

This hole was drilled to test an IP trend interpreted to correspond to a sedimentary sequence hosting iron carbonate. The iron carbonate was found from 152.07 to 154.3 m. Best result in this hole is 86 ppb from 151.4 to 152.07 m.

MINES AGNICO-EAGLE LIMITEE

JV-91-11

04-26-1991 :: 16:13

SUMMARY LOG

Page 2

From(m)	To(m)	Field Name (Legend)
0.00	11.90	Overburden (OVB)
11.90	22.80	Felsic (feldspar) crystal tuff (V9f)
22.80	43.20	Felsic (quartz) crystal tuff (V9aqc)
43.20	86.10	Felsic crystal-lapilli tuff (V9fc(q))
86.10	111.40	Green sandstone / lithic conglomerate (S3av/S11) Several narrow gouges from 92 to 92.5m.
95.15	100.40	Conglomerate (S1gl {V9aq})
111.40	113.35	Buff siltstone/graphitic and pyritic argillite (S2/S4gPy/(S3/S1))
113.35	119.70	Grey sandstone (S3)
119.70	120.00	Siltstone-ash tuff (S2-V9)
120.00	132.64	Sandstone-conglomerate (debris-flow) (S3cld {S4,Ch})
132.64	152.07	Heterogeneous sedimentary sequence (S3/S2/S4g/Ch)
132.64	133.67	Chert/sandstone/siltstone/graphitic argillite/pyrite (Ch/S3/S2/S4g 7.5%Py)
133.67	151.40	Conglomeratic lithic sandstone (S3cl)
151.40	152.07	Sandstone/ankeritic siltstone/argillite (S3/S2/S4 30%Py)
152.07	154.30	Iron carbonate (F4a TrPy)
153.50	153.95	Siltstone (S2)
154.30	160.75	Heterogeneous ankeritized sedimentary sequence (S2/S4g/S3c/S1)
154.30	155.45	Lithic conglomerate/conglomeratic sandstone/ankeritic siltstone (S1sl {V9a}/S3c/S2)
155.45	156.75	Ankeritic siltstone/graphitic argillite/(conglomeratic sandstone) (S2/S4g/S3c)
156.75	157.90	Conglomeratic sandstone (S3c)
157.90	160.75	Ankeritic siltstone/graphitic argillite/sandstone (S2/S4g/S3)
160.75	165.00	1 - 3% pyrite
160.75	172.50	Felsic (quartz-crystal) tuff (V9aq)
172.50	209.80	Feldspar porphyry (massive) (V9if)
182.45	186.90	Ash-lapilli tuff (V11a) Interflow hyaloclastite?
209.80	212.00	Ash-lapilli tuff (V11a) Interflow hyaloclastite?
212.00	230.50	Feldspar porphyry / felsic tuff (V9if/V9aq)
230.50	246.00	Felsic-intermediate tuff (V11a-i)
246.00		END OF HOLE.

MINES AGNICO-EAGLE LIMITEE
DIAMOND DRILL LOGJV-91-11
Page 3

04-26-1991 :: 16:13

From(m)	To(m)	Description	Sample	From (m)	To (m)	Width (m)	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
0.00	11.90	Overburden (OVB)									
11.90	22.80	Felsic (feldspar) crystal tuff (V9f)	9574	16.50	18.00	1.50	<5	--	<5	--	--
			9575	20.84	22.34	1.50	<5	--	<5	--	--
22.80	43.20	Felsic (quartz) crystal tuff (V9aqc)	9576	25.82	27.00	1.18	<5	--	<5	--	--
			9577	27.00	28.00	1.00	<5	--	<5	--	--
			9578	30.65	32.15	1.50	<5	--	<5	--	--
			9579	37.50	39.00	1.50	<5	--	<5	--	--
			9580	42.50	44.00	1.50	<5	--	<5	--	--
43.20	86.10	Felsic crystal-lapilli tuff (V9fc(q))	9581	49.50	51.00	1.50	<5	--	<5	--	--
			9582	55.50	57.00	1.50	<5	--	<5	--	--
			9583	61.50	63.00	1.50	<5	--	<5	--	--
			9584	69.00	70.50	1.50	<5	--	<5	--	--
			9585	71.83	73.33	1.50	<5	--	<5	--	--
			9586	78.00	79.50	1.50	<5	--	<5	--	--
			9587	84.00	85.50	1.50	<5	--	<5	--	--
86.10	111.40	Green sandstone / lithic conglomerate (S3av/S11)	9588	91.50	92.50	1.00	<5	--	<5	--	--
	95.15	100.40	Conglomerate (S1gl {V9aq})	9589	100.40	101.50	1.10	<5	--	<5	--
111.40	113.35	Buff siltstone/graphitic and pyritic argillite (S2/S4gPy/(S3/S1))	9590	111.40	112.40	1.00	<5	--	<5	--	--
			9591	112.40	113.35	0.95	<5	--	<5	--	--
113.35	119.70	Grey sandstone (S3)									
119.70	120.00	Siltstone-ash tuff (S2-V9)	9592	119.70	120.00	0.30	<5	--	<5	--	--

MINES AGNICO-EAGLE LIMITEE
ASSAY LOG

JV-91-11
Page 7

04-26-1991 :: 16:15

Sample	From (m)	To (m)	Width (m)	-----Comment-----	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
9635	0.00	0.00	0.00		<5		<5		
9574	16.50	18.00	1.50		<5	--	<5	--	--
9575	20.84	22.34	1.50		<5	--	<5	--	--
9576	25.82	27.00	1.18		<5	--	<5	--	--
9577	27.00	28.00	1.00		<5	--	<5	--	--
9578	30.65	32.15	1.50		<5	--	<5	--	--
9579	37.50	39.00	1.50		<5	--	<5	--	--
9580	42.50	44.00	1.50		<5	--	<5	--	--
9581	49.50	51.00	1.50		<5	--	<5	--	--
9582	55.50	57.00	1.50		<5	--	<5	--	--
9583	61.50	63.00	1.50		<5	--	<5	--	--
9584	69.00	70.50	1.50		<5	--	<5	--	--
9585	71.83	73.33	1.50		<5	--	<5	--	--
9586	78.00	79.50	1.50		<5	--	<5	--	--
9587	84.00	85.50	1.50		<5	--	<5	--	--
9588	91.50	92.50	1.00		<5	--	<5	--	--
9589	100.40	101.50	1.10		<5	--	<5	--	--
9590	111.40	112.40	1.00		<5	--	<5	--	--
9591	112.40	113.35	0.95		<5	--	<5	--	--
9592	119.70	120.00	0.30		<5	--	<5	--	--
9593	120.00	121.00	1.00		<5	--	<5	--	--
9594	128.50	130.00	1.50		<5	--	<5	--	--
9595	130.00	131.50	1.50		<5	--	<5	--	--
9596	131.50	132.64	1.14		<5	--	<5	--	--
9597	132.64	133.67	1.03		<5	--	<5	--	--
9598	133.67	135.00	1.33		<5	--	<5	--	--
9599	135.00	136.50	1.50		<5	--	<5	--	--
9600	136.50	138.00	1.50		<5	--	<5	--	--
9601	138.00	139.10	1.10		<5	--	<5	--	--
9602	139.10	140.30	1.20		<5	--	<5	--	--
9603	151.40	152.07	0.67	30%Pyrite	86	tr	--	--	0.005
9604	152.07	153.50	1.43	1%Pyrite	17	0.002	--	--	<0.002
9605	153.50	153.95	0.45		0	tr	--	--	<0.002
9606	153.95	154.30	0.35		0	tr	--	--	<0.002
9607	154.30	155.45	1.15		<5	--	<5	--	--
9608	155.45	156.75	1.30		<5	--	<5	--	--
9609	156.75	157.90	1.15		<5	--	<5	--	--

MINES AGNICO-EAGLE LIMITEE
ASSAY LOGJV-91-11
Page 8

04-26-1991 :: 16:16

Sample	From (m)	To (m)	Width (m)	-----Comment-----	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
9610	157.90	158.90	1.00		<5	--	<5	--	--
9611	158.90	159.80	0.90		<5	--	<5	--	--
9612	159.80	160.75	0.95		<5	--	<5	--	--
9613	160.75	162.00	1.25		<5	--	<5	--	--
9614	162.00	163.50	1.50		<5	--	<5	--	--
9615	163.50	165.00	1.50		<5	--	<5	--	--
9616	172.80	173.10	0.30		<5	--	<5	--	--
9617	177.40	178.30	0.90		<5	--	<5	--	--
9618	179.80	181.30	1.50		<5	--	<5	--	--
9619	182.50	183.10	0.60		<5	--	<5	--	--
9620	183.10	184.20	1.10		<5	--	<5	--	--
9621	184.20	185.30	1.10		<5	--	<5	--	--
9622	185.30	186.40	1.10		<5	--	<5	--	--
9623	193.80	194.10	0.30		<5	--	<5	--	--
9624	198.70	199.20	0.50		<5	--	<5	--	--
9625	205.90	206.20	0.30		<5	--	<5	--	--
9626	210.10	210.60	0.50		<5	--	<5	--	--
9627	211.10	211.50	0.40		<5	--	<5	--	--
9628	230.70	232.20	1.50		<5	--	<5	--	--
9629	232.80	233.10	0.30		<5	--	<5	--	--
9630	234.60	235.30	0.70		<5	--	<5	--	--
9631	237.00	238.10	1.10		<5	--	<5	--	--
9632	238.60	240.20	1.60		<5	--	<5	--	--
9633	242.70	243.40	0.70		<5	--	<5	--	--
9634	243.40	244.50	1.10		<5	--	<5	--	--

MINES AGNICO-EAGLE LIMITEE
DIAMOND DRILL LOG

JV-91-12

04-26-1991 :: 16:16

PROPERTY :	JOUVAL	PROJECT # :	71	LICENSE # :	388646-2
NTS MAP # :	32E/9	TOWNSHIP :	JOUTEL	ELEVATION :	Surface
LINE/STATION:	36+00W / 0+85S	EASTINGS/NORTHINGS:		AZIMUTH :	217.0 degrees
LENGTH :	246.00 m	INCLINATION :	-50.0 degrees		
OVERBURDEN :	31.00 m	CASING :	BQ CORE. CASING PULLED.		
LOGGED BY :	Z. MADON	DRILLED BY :	FORAGE MODERNE INC.	ASSAYING BY :	AGNICO-EAGLE MINES & CHEMEX
DATE LOGGED :	1991/02/10 to 1991/02/13	DATE DRILLED :	1991/02/09 to 1991/02/12	CORE LOCATION:	TELBEL CORE RACKS

TROPARI & ACID TESTS

Depth	Dip	Azimuth
33.00	-50.0	*****
60.00	-51.0	*****
120.00	-48.0	218.0
185.00	-48.0	*****
244.50	-45.0	216.5



ABSTRACT

This hole was drilled to test an IP trend interpreted to correspond to a sedimentary sequence hosting iron carbonate. The iron carbonate has been found from 138 to 150.1 m. The best result in this hole is 360 ppb from 144.3 to 145.8 m.

MINES AGNICO-EAGLE LIMITEE
SUMMARY LOG

JV-91-12
Page 2

04-26-1991 :: 16:17

From(m)	To(m)	Field Name (Legend)
0.00	31.00	Overburden (OVB)
31.00	65.32	Felsic (quartz) crystal tuff (V9aq(c))
49.60	53.00	Siltstone/sandstone (S2/S3w)
65.32	72.15	Siltstone/argillite/chert (S3w/S2/S4gPy (Ch))
70.30	72.15	(4-10%Py)
72.15	136.33	Sandstone (S3)
72.15	85.60	Arenitic sandstone (S3a(c))
85.60	112.00	Green arenitic sandstone (S3av)
112.00	136.33	Conglomeratic sandstone (S3c {Ch})
136.33	138.00	Siltstone/argillite, 20-30% pyrite (S2/S4 20-30%Py)
138.00	150.10	Iron carbonate, 5-60% pyrite (F4a 5-60%Py)
150.10	154.00	Graphitic and pyritic argillite/ankeritic siltstone/wacke (S4gPy/S2/S3w)
154.00	164.00	Quartz eye tuff/ankeritic and pyritic siltstone (V9aq/S2)
164.00	185.80	Green arenitic sandstone/ankeritic siltstone/argillite/(quartz eye tuff) (S3av/S2/S4/(V9aq))
185.80	202.20	Quartz eye tuff (V9aq)
202.20	232.00	Feldspar porphyry (V9if)
232.00	246.00	Feldspar porphyry / felsic tuff (V9if/V9aq)
		Fault zone from 236.2 to 237.1 m.
246.00		END OF HOLE.

MINES AGNICO-EAGLE LIMITEE
DIAMOND DRILL LOG

JV-91-12
Page 4

04-26-1991 :: 16:17

From(m)	To(m)	Description	Sample	From (m)	To (m)	Width (m)	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
			15550	93.00	94.50	1.50	<5	--	<5	--	--
			15551	96.00	97.50	1.50	<5	--	<5	--	--
			15552	102.00	103.50	1.50	<5	--	<5	--	--
			15553	108.00	109.50	1.50	<5	--	<5	--	--
112.00	136.33	Conglomeratic sandstone (S3c {Ch})	15554	112.00	113.50	1.50	<5	--	<5	--	--
			15555	118.50	120.00	1.50	<5	--	<5	--	--
			15556	124.50	126.00	1.50	<5	--	<5	--	--
			15557	126.00	127.50	1.50	<5	--	<5	--	--
			15558	127.50	129.00	1.50	<5	--	<5	--	--
			15559	130.10	130.70	0.60	<5	--	<5	--	--
			15560	130.70	132.00	1.30	<5	--	<5	--	--
			15561	132.00	133.50	1.50	<5	--	<5	--	--
			15562	133.50	135.00	1.50	<5	--	<5	--	--
			15563	135.00	136.33	1.33	<5	--	<5	--	--
136.33	138.00	Siltstone/argillite, 20-30% pyrite (S2/S4 20-30%Py)	15575	136.33	137.20	0.87	0	tr	--	--	<0.002
			15576	137.20	138.00	0.80	0	tr	--	--	<0.002
138.00	150.10	Iron carbonate, 5-60% pyrite (F4a 5-60%Py)	15577	138.00	139.10	1.10	171	0.006	--	--	0.007
			15578	139.10	140.30	1.20	103	0.004	--	--	0.004
			15579	140.30	140.75	0.45	103	0.002	--	--	0.005
			15580	140.75	141.80	1.05	154	0.006	--	--	0.006
			15581	141.80	142.80	1.00	34	0.004	--	--	<0.002
			15582	142.80	143.20	0.40	240	0.014	--	--	0.007
			15583	143.20	144.30	1.10	137	0.006	--	--	0.005
			15584	144.30	145.80	1.50	360	0.014	--	--	0.014
			15585	145.80	146.80	1.00	137	0.008	--	--	0.004
			15586	146.80	147.90	1.10	51	0.006	--	--	<0.002
			15587	147.90	149.30	1.40	51	0.006	--	--	<0.002
			15588	149.30	150.10	0.80	51	0.006	--	--	<0.002
150.10	154.00	Graphitic and pyritic argillite/ankeritic siltstone/wacke (S4gPy/S2/S3w)	15589	150.10	151.20	1.10	51	tr	--	--	0.003

MINES AGNICO-EAGLE LIMITEE
ASSAY LOGJV-91-12
Page 7

04-26-1991 :: 16:19

Sample	From (m)	To (m)	Width (m)	-----Comment-----	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
9635	34.20	34.80	0.60		<5	--	<5	--	--
9636	36.00	36.60	0.60		<5	--	<5	--	--
9637	45.50	46.50	1.00		<5	--	<5	--	--
9638	49.60	50.50	0.90		<5	--	<5	--	--
9639	50.50	51.20	0.70		<5	--	<5	--	--
9640	51.20	51.70	0.50		<5	--	<5	--	--
9641	51.70	53.00	1.30		<5	--	<5	--	--
9642	57.00	58.50	1.50		<5	--	<5	--	--
9643	63.70	64.10	0.40		<5	--	<5	--	--
9644	65.32	66.80	1.48		<5	--	<5	--	--
9645	66.80	68.30	1.50		<5	--	<5	--	--
9646	68.30	69.60	1.30		<5	--	<5	--	--
9647	69.60	70.30	0.70		<5	--	<5	--	--
9648	70.30	71.30	1.00		<5	--	<5	--	--
9649	71.30	72.15	0.85		<5	--	<5	--	--
9650	72.60	73.40	0.80		<5	--	<5	--	--
15545	78.90	79.30	0.40		<5	--	<5	--	--
15546	82.20	82.80	0.60		<5	--	<5	--	--
15547	82.80	83.80	1.00		<5	--	<5	--	--
15548	83.80	84.80	1.00		<5	--	<5	--	--
15549	84.80	85.60	0.80		<5	--	<5	--	--
15550	93.00	94.50	1.50		<5	--	<5	--	--
15551	96.00	97.50	1.50		<5	--	<5	--	--
15552	102.00	103.50	1.50		<5	--	<5	--	--
15553	108.00	109.50	1.50		<5	--	<5	--	--
15554	112.00	113.50	1.50		<5	--	<5	--	--
15555	118.50	120.00	1.50		<5	--	<5	--	--
15556	124.50	126.00	1.50		<5	--	<5	--	--
15557	126.00	127.50	1.50		<5	--	<5	--	--
15558	127.50	129.00	1.50		<5	--	<5	--	--
15559	130.10	130.70	0.60		<5	--	<5	--	--
15560	130.70	132.00	1.30		<5	--	<5	--	--
15561	132.00	133.50	1.50		<5	--	<5	--	--
15562	133.50	135.00	1.50		<5	--	<5	--	--
15563	135.00	136.33	1.33		<5	--	<5	--	--
15575	136.33	137.20	0.87	30%Pyrite	0	tr	--	--	<0.002
15576	137.20	138.00	0.80	20%Pyrite	0	tr	--	--	<0.002

MINES AGNICO-EAGLE LIMITEE
ASSAY LOG

JV-91-12
Page 8

04-26-1991 :: 16:19

Sample	From (m)	To (m)	Width (m)	Comment	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
15577	138.00	139.10	1.10	8%Pyrite	171	0.006	--	--	0.007
15578	139.10	140.30	1.20	10%Pyrite	103	0.004	--	--	0.004
15579	140.30	140.75	0.45	35%Pyrite	103	0.002	--	--	0.005
15580	140.75	141.80	1.05	15%Pyrite	154	0.006	--	--	0.006
15581	141.80	142.80	1.00	5%Pyrite	34	0.004	--	--	<0.002
15582	142.80	143.20	0.40	60%Pyrite	240	0.014	--	--	0.007
15583	143.20	144.30	1.10	7.5%Pyrite	137	0.006	--	--	0.005
15584	144.30	145.80	1.50	55%Pyrite	360	0.014	--	--	0.014
15585	145.80	146.80	1.00	10%Pyrite	137	0.008	--	--	0.004
15586	146.80	147.90	1.10	7.5%Pyrite	51	0.006	--	--	<0.002
15587	147.90	149.30	1.40	17%Pyrite	51	0.006	--	--	<0.002
15588	149.30	150.10	0.80	17.5%Pyrite	51	0.006	--	--	<0.002
15589	150.10	151.20	1.10	4%Pyrite	51	tr	--	--	0.003
15590	151.20	151.80	0.60	50%Pyrite	0	tr	--	--	<0.002
15591	151.80	152.90	1.10	7.5%Pyrite	0	tr	--	--	<0.002
15592	152.90	154.00	1.10	6%Pyrite	0	tr	--	--	<0.002
15593	156.00	157.50	1.50		<5	--	<5	--	--
15594	159.20	160.70	1.50		<5	--	<5	--	--
15595	160.70	162.20	1.50		<5	--	<5	--	--
15596	163.90	164.20	0.30		<5	--	<5	--	--
15597	164.45	164.75	0.30		<5	--	<5	--	--
15598	164.75	165.10	0.35		<5	--	<5	--	--
15599	165.10	166.00	0.90		<5	--	<5	--	--
15600	166.00	166.80	0.80		<5	--	<5	--	--
15601	166.80	168.00	1.20		15	--	15	--	--
15602	168.00	168.50	0.50		<5	--	<5	--	--
15603	168.50	169.70	1.20		<5	--	<5	--	--
15604	169.70	171.20	1.50		<5	--	<5	--	--
15605	171.20	171.70	0.50		<5	--	<5	--	--
15606	171.70	173.00	1.30		<5	--	<5	--	--
15607	178.10	178.70	0.60		<5	--	<5	--	--
15608	178.90	179.80	0.90		<5	--	<5	--	--
15609	179.80	181.00	1.20		<5	--	<5	--	--
15610	181.00	181.90	0.90		<5	--	<5	--	--
15611	181.90	183.00	1.10		<5	--	<5	--	--
15612	183.00	184.10	1.10		<5	--	<5	--	--
15613	184.10	185.20	1.10		<5	--	<5	--	--

MINES AGNICO-EAGLE LIMITEE
ASSAY LOG

JV-91-12
Page 9

04-26-1991 :: 16:20

Sample	From (m)	To (m)	Width (m)	-----Comment-----	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
15614	185.20	185.80	0.60		<5	--	<5	--	--
15615	190.50	192.00	1.50		<5	--	<5	--	--
15616	193.00	194.10	1.10		<5	--	<5	--	--
15617	196.90	198.00	1.10		<5	--	<5	--	--
15618	203.00	204.30	1.30		<5	--	<5	--	--
15619	207.00	208.50	1.50		<5	--	<5	--	--
15620	213.00	214.50	1.50		<5	--	<5	--	--
15621	219.00	220.50	1.50		<5	--	<5	--	--
15622	225.00	226.50	1.50		<5	--	<5	--	--
15623	231.00	232.50	1.50		<5	--	<5	--	--
15624	236.10	237.10	1.00		<5	--	<5	--	--
15625	237.10	238.00	0.90		<5	--	<5	--	--
15626	238.00	239.00	1.00		<5	--	<5	--	--
15627	239.00	240.00	1.00		<5	--	<5	--	--
15628	240.00	241.00	1.00		<5	--	<5	--	--

MINES AGNICO-EAGLE LIMITEE
DIAMOND DRILL LOG

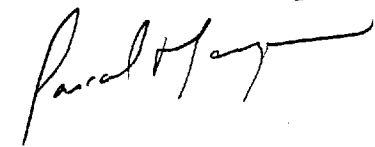
JV-91-13

04-26-1991 :: 16:21

PROPERTY :	JOUVAL	PROJECT # :	71	LICENSE # :	388645-1,2
NTS MAP # :	32E/9	TOWNSHIP :	JOUTEL	ELEVATION :	Surface
LINE/STATION:	32+00W / 0+65S	EASTINGS/NORTHINGS:		AZIMUTH :	217.0 degrees
LENGTH :	246.00 m	INCLINATION :	-50.0 degrees	ASSAYING BY :	AGNICO-EAGLE MINES & CHEMEX
OVERBURDEN :	22.00 m	CASING :	BQ CORE. CASING PULLED.	CORE LOCATION:	TELBEL CORE RACKS
LOGGED BY :	Z. MADON	DRILLED BY :	FORAGE MODERNE INC.		
DATE LOGGED :	1991/02/11 to 1991/02/14	DATE DRILLED :	1991/02/10 to 1991/02/13		

TROPARI & ACID TESTS

Depth	Dip	Azimuth
22.00	-52.0	*****
60.00	-53.0	*****
135.00	-47.0	*****
180.00	-47.0	*****
217.50	-43.0	214.0
246.00	-44.0	*****



ABSTRACT

This hole was drilled to test an IP trend interpreted to correspond to a sedimentary sequence hosting iron carbonate. Iron carbonate has been found from 135.37 to 139.52 m. Best result in the hole is 249 ppb from 128.9 to 131.7 m.

MINES AGNICO-EAGLE LIMITEE
SUMMARY LOG

JV-91-13
Page 2

04-26-1991 :: 16:21

From(m)	To(m)	Field Name (Legend)
0.00	22.00	OVERBURDEN (OVB)
22.00	49.85	Felsic lapilli tuff (V1lacqf)
49.85	51.17	Sandstone/siltstone/argillite (S3/S2/S4)
51.17	69.16	Polymictic conglomerate/conglomeratic sandstone (S1p/S3c {Ch,V9a})
58.50	69.16	Lithic conglomerate (S1pl {Ch,V9a})
69.16	70.35	Siltstone/argillite (S2/S4(g))
70.35	83.20	Sandstone (conglomeratic) (S3c)
83.20	90.34	Siltstone/argillite (S2/S4(g))
90.34	111.27	Felsic ash-lapilli tuff (V11a)
107.20	107.50	(15%Py)
111.27	128.90	Lithic conglomeratic sandstone (S3clv)
		Fault zones from 112.5 to 113.5 m, and from 126 to 129 m.
120.20	122.60	Ankeritic siltstone/graphitic and pyritic argillite (S2/S4g Tr-25%Py)
128.90	132.90	Graphitic and pyritic argillite (S4g 80%Py)
128.90	135.37	Heterogeneous (ankeritic) Sedimentary sequence (S4g/S2/Ch-Py)
		Fault zone from 129 to 132 m.
131.70	132.90	Chert-pyrite breccia, 25%Pyrite (Ch-Py 25%Py)
135.38	139.52	Iron carbonate (F4a Ir-5%Py)
136.60	137.40	(50%Py)
139.52	142.28	Felsic ash-lapilli tuff (idem 90.34-111.27) (V11a)
142.28	147.00	Heterogeneous (ankeritic) sedimentary sequence (S2/S4)
		Fault zone from 144.5 to 146.3 m.
147.00	155.20	Felsic (quartz) crystal tuff (V9aq)
155.20	246.00	Feldspar porphyry / Felsic tuff (V9if/V9aq)
		Fault gouge at 235.6 m and shear zone from 242.5 to 244.8 m.
246.00		END OF HOLE.

MINES AGNICO-EAGLE LIMITEE
DIAMOND DRILL LOG

JV-91-13

Page 3

04-26-1991 :: 16:21

From(m)	To(m)	Description	Sample	From (m)	To (m)	Width (m)	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
0.00	22.00	OVERBURDEN (OVB)									
22.00	49.85	Felsic lapilli tuff (V11acqf)	15564	25.50	27.00	1.50	<5	--	<5	--	--
			15565	30.00	31.50	1.50	<5	--	<5	--	--
			15566	34.20	35.70	1.50	<5	--	<5	--	--
			15567	42.00	43.50	1.50	<5	--	<5	--	--
49.85	51.17	Sandstone/siltstone/argillite (S3/S2/S4)	15568	49.85	51.17	1.32	<5	--	<5	--	--
51.17	69.16	Polymictic conglomerate/conglomeratic sandstone (S1p/S3c {Ch,V9a})	15569	55.00	56.50	1.50	<5	--	<5	--	--
			15570	56.50	58.00	1.50	<5	--	<5	--	--
58.50	69.16	Lithic conglomerate (S1pl {Ch,V9a})	15571	65.20	66.70	1.50	<5	--	<5	--	--
69.16	70.35	Siltstone/argillite (S2/S4(g))	15572	69.16	70.35	1.19	<5	--	<5	--	--
70.35	83.20	Sandstone (conglomeratic) (S3c)	15573	78.20	79.70	1.50	<5	--	<5	--	--
			15574	81.70	83.20	1.50	<5	--	<5	--	--
83.20	90.34	Siltstone/argillite (S2/S4(g))	15629	83.20	84.70	1.50	<5	--	<5	--	--
			15630	84.70	86.20	1.50	<5	--	<5	--	--
			15631	86.20	87.50	1.30	<5	--	<5	--	--
			15632	87.50	89.00	1.50	<5	--	<5	--	--
			15633	89.00	90.34	1.34	<5	--	<5	--	--
90.34	111.27	Felsic ash-lapilli tuff (V11a)	15634	91.30	91.60	0.30	<5	--	<5	--	--
			15635	93.50	94.00	0.50	<5	--	<5	--	--
			15636	95.70	96.20	0.50	<5	--	<5	--	--

MINES AGNICO-EAGLE LIMITEE
DIAMOND DRILL LOG

JV-91-13
Page 4

04-26-1991 :: 16:22

From(m)	To(m)	Description	Sample	From (m)	To (m)	Width (m)	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
			15637	97.30	97.60	0.30	<5	--	<5	--	--
			15638	98.90	99.30	0.40	<5	--	<5	--	--
			15639	99.90	100.50	0.60	<5	--	<5	--	--
			15640	101.50	102.30	0.80	<5	--	<5	--	--
			15641	103.00	103.40	0.40	<5	--	<5	--	--
			15642	106.50	107.20	0.70	<5	--	<5	--	--
107.20	107.50	(15%Py)	15643	107.20	107.50	0.30	10	--	10	--	--
			15644	107.50	108.40	0.90	<5	--	<5	--	--
111.27	128.90	Lithic conglomeratic sandstone (S3clv)	15645	111.30	112.80	1.50	<5	--	<5	--	--
			15646	119.70	120.20	0.50	<5	--	<5	--	--
120.20	122.60	Ankeritic siltstone/graphitic and pyritic argillite (S2/S4g Tr-25%Py)	15647	120.20	120.50	0.30	<5	--	<5	--	--
			15648	120.50	121.40	0.90	<5	--	<5	--	--
			15649	121.40	122.30	0.90	<5	--	<5	--	--
			15650	122.30	122.60	0.30	15	--	15	--	--
128.90	132.90	Graphitic and pyritic argillite (S4g 80%Py)									
128.90	135.37	Heterogeneous (ankeritic) Sedimentary sequence (S4g/S2/Ch-Py)	15651	128.90	131.70	2.80	249	0.004	--	0.009	0.008
131.70	132.90	Chert-pyrite breccia, 25%Pyrite (Ch-Py 25%Py)	15652	131.70	132.90	1.20	214	0.006	--	0.005	0.007
			15653	132.90	133.20	0.30	0	tr	--	<0.002	<0.002
			15654	133.20	134.40	1.20	0	tr	--	<0.002	<0.002
			15655	134.40	135.37	0.97	0	tr	--	<0.002	<0.002
			15656	135.37	136.60	1.23	0	tr	--	<0.002	<0.002
135.38	139.52	Iron carbonate (F4a Tr-5%Py)									
136.60	137.40	(50%Py)	15657	136.60	137.40	0.80	111	0.006	--	0.007	<0.002

MINES AGNICO-EAGLE LIMITEE
DIAMOND DRILL LOGJV-91-13
Page 5

04-26-1991 :: 16:22

From(m)	To(m)	Description	Sample	From (m)	To (m)	Width (m)	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
			15658	137.40	138.60	1.20	0	tr	--	<0.002	<0.002
			15659	138.60	139.52	0.92	26	tr	--	0.003	<0.002
139.52	142.28	Felsic ash-lapilli tuff (idem 90.34-111.27) (V11a)	15660	139.52	140.50	0.98	<5	--	<5	--	--
142.28	147.00	Heterogeneous (ankeritic) sedimentary sequence (S2/S4)	15661	142.28	143.30	1.02	<5	--	<5	--	--
			15662	143.30	144.42	1.12	<5	--	<5	--	--
			15663	144.42	145.50	1.08	<5	--	<5	--	--
			15664	145.50	147.00	1.50	<5	--	<5	--	--
147.00	155.20	Felsic (quartz) crystal tuff (V9aq)	15665	147.00	148.00	1.00	<5	--	<5	--	--
			15666	148.00	148.90	0.90	<5	--	<5	--	--
			15667	150.80	151.30	0.50	<5	--	<5	--	--
155.20	246.00	Feldspar porphyry / Felsic tuff (V9if/V9aq)	15668	156.00	157.50	1.50	<5	--	<5	--	--
			15669	162.00	163.50	1.50	<5	--	<5	--	--
			15670	165.70	167.20	1.50	<5	--	<5	--	--
			15671	171.00	173.50	2.50	<5	--	<5	--	--
			15672	175.20	176.70	1.50	<5	--	<5	--	--
			15673	176.70	178.20	1.50	<5	--	<5	--	--
			15674	178.20	179.30	1.10	<5	--	<5	--	--
			15675	181.50	183.00	1.50	<5	--	<5	--	--
			15676	187.50	189.00	1.50	<5	--	<5	--	--
			15677	193.80	195.30	1.50	<5	--	<5	--	--
			15678	199.50	201.00	1.50	<5	--	<5	--	--
			15679	205.50	207.00	1.50	<5	--	<5	--	--
			15680	210.40	211.90	1.50	<5	--	<5	--	--
			15681	217.50	219.00	1.50	<5	--	<5	--	--
			15682	224.00	225.50	1.50	<5	--	<5	--	--
			15683	229.50	231.00	1.50	<5	--	<5	--	--
			15684	235.50	237.00	1.50	<5	--	<5	--	--
			15685	242.00	243.50	1.50	<5	--	<5	--	--
			15686	243.50	244.80	1.30	<5	--	<5	--	--

MINES AGNICO-EAGLE LIMITEE
ASSAY LOGJV-91-13
Page 7

04-26-1991 :: 16:23

Sample	From (m)	To (m)	Width (m)	-----Comment-----	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
15564	25.50	27.00	1.50		<5	--	<5	--	--
15565	30.00	31.50	1.50		<5	--	<5	--	--
15566	34.20	35.70	1.50		<5	--	<5	--	--
15567	42.00	43.50	1.50		<5	--	<5	--	--
15568	49.85	51.17	1.32		<5	--	<5	--	--
15569	55.00	56.50	1.50		<5	--	<5	--	--
15570	56.50	58.00	1.50		<5	--	<5	--	--
15571	65.20	66.70	1.50		<5	--	<5	--	--
15572	69.16	70.35	1.19		<5	--	<5	--	--
15573	78.20	79.70	1.50		<5	--	<5	--	--
15574	81.70	83.20	1.50		<5	--	<5	--	--
15629	83.20	84.70	1.50		<5	--	<5	--	--
15630	84.70	86.20	1.50		<5	--	<5	--	--
15631	86.20	87.50	1.30		<5	--	<5	--	--
15632	87.50	89.00	1.50		<5	--	<5	--	--
15633	89.00	90.34	1.34		<5	--	<5	--	--
15634	91.30	91.60	0.30		<5	--	<5	--	--
15635	93.50	94.00	0.50		<5	--	<5	--	--
15636	95.70	96.20	0.50		<5	--	<5	--	--
15637	97.30	97.60	0.30		<5	--	<5	--	--
15638	98.90	99.30	0.40		<5	--	<5	--	--
15639	99.90	100.50	0.60		<5	--	<5	--	--
15640	101.50	102.30	0.80		<5	--	<5	--	--
15641	103.00	103.40	0.40		<5	--	<5	--	--
15642	106.50	107.20	0.70		<5	--	<5	--	--
15643	107.20	107.50	0.30		10	--	10	--	--
15644	107.50	108.40	0.90		<5	--	<5	--	--
15645	111.30	112.80	1.50		<5	--	<5	--	--
15646	119.70	120.20	0.50		<5	--	<5	--	--
15647	120.20	120.50	0.30		<5	--	<5	--	--
15648	120.50	121.40	0.90		<5	--	<5	--	--
15649	121.40	122.30	0.90		<5	--	<5	--	--
15650	122.30	122.60	0.30		15	--	15	--	--
15651	128.90	131.70	2.80	80%Pyrite	249	0.004	--	0.009	0.008
15652	131.70	132.90	1.20	25%Pyrite	214	0.006	--	0.005	0.007
15653	132.90	133.20	0.30		0	tr	--	<0.002	<0.002
15654	133.20	134.40	1.20	1%Pyrite	0	tr	--	<0.002	<0.002

MINES AGNICO-EAGLE LIMITEE
ASSAY LOGJV-91-13
Page 8

04-26-1991 :: 16:24

Sample	From (m)	To (m)	Width (m)	-----Comment-----	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
15655	134.40	135.37	0.97		0	tr	--	<0.002	<0.002
15656	135.37	136.60	1.23		0	tr	--	<0.002	<0.002
15657	136.60	137.40	0.80	5%Pyrite	111	0.006	--	0.007	<0.002
15658	137.40	138.60	1.20		0	tr	--	<0.002	<0.002
15659	138.60	139.52	0.92		26	tr	--	0.003	<0.002
15660	139.52	140.50	0.98		<5	--	<5	--	--
15661	142.28	143.30	1.02		<5	--	<5	--	--
15662	143.30	144.42	1.12		<5	--	<5	--	--
15663	144.42	145.50	1.08		<5	--	<5	--	--
15664	145.50	147.00	1.50		<5	--	<5	--	--
15665	147.00	148.00	1.00		<5	--	<5	--	--
15666	148.00	148.90	0.90		<5	--	<5	--	--
15667	150.80	151.30	0.50		<5	--	<5	--	--
15668	156.00	157.50	1.50		<5	--	<5	--	--
15669	162.00	163.50	1.50		<5	--	<5	--	--
15670	165.70	167.20	1.50		<5	--	<5	--	--
15671	171.00	173.50	2.50		<5	--	<5	--	--
15672	175.20	176.70	1.50		<5	--	<5	--	--
15673	176.70	178.20	1.50		<5	--	<5	--	--
15674	178.20	179.30	1.10		<5	--	<5	--	--
15675	181.50	183.00	1.50	Tr Chalcopyrite.	<5	--	<5	--	--
15676	187.50	189.00	1.50		<5	--	<5	--	--
15677	193.80	195.30	1.50		<5	--	<5	--	--
15678	199.50	201.00	1.50		<5	--	<5	--	--
15679	205.50	207.00	1.50		<5	--	<5	--	--
15680	210.40	211.90	1.50		<5	--	<5	--	--
15681	217.50	219.00	1.50		<5	--	<5	--	--
15682	224.00	225.50	1.50		<5	--	<5	--	--
15683	229.50	231.00	1.50		<5	--	<5	--	--
15684	235.50	237.00	1.50	Tr Chalcopyrite.	<5	--	<5	--	--
15685	242.00	243.50	1.50		<5	--	<5	--	--
15686	243.50	244.80	1.30		<5	--	<5	--	--

MINES AGNICO-EAGLE LIMITEE
DIAMOND DRILL LOG

JV-91-14

04-26-1991 :: 16:24

PROPERTY :	JOUVAL	PROJECT # :	71	LICENSE # :	388647-1
NTS MAP # :	32E/9	TOWNSHIP :	VALRENNES	ELEVATION :	Surface
LINE/STATION:	44+00W / 1+95S	EASTINGS/NORTHINGS:		AZIMUTH :	217.0 degrees
LENGTH :	243.30 m	INCLINATION :	-50.0 degrees		
OVERBURDEN :	16.00 m	CASING :	BQ CORE. CASING PULLED.		
LOGGED BY :	Z. MADON	DRILLED BY :	FORAGE MODERNE INC.	ASSAYING BY :	AGNICO-EAGLE MINES & CHEMEX
DATE LOGGED :	1991/02/13 to 1991/02/20	DATE DRILLED :	1991/02/12 to 1991/02/20	CORE LOCATION:	TELBEL CORE RACKS

TROPARI & ACID TESTS

Depth	Dip	Azimuth
60.00	-50.0	*****
124.00	-47.0	220.0
185.00	-47.0	*****
242.00	-44.0	220.5



ABSTRACT

This hole was drilled to test an IP trend interpreted to correspond to a sedimentary sequence hosting iron carbonate. Iron carbonate has been found from 135.1 to 137 m. Best result in hole is 20 ppb.

MINES AGNICO-EAGLE LIMITEE
SUMMARY LOG

JV-91-14

Page 2

04-26-1991 :: 16:25

From(m)	To(m)	Field Name (Legend)
0.00	16.00	Overburden (OVB)
16.00	36.40	Green sandstone (S3av)
36.40	39.00	Grey chert/siltstone/conglomerate (Ch/S2/S1)
39.00	63.80	Conglomerate (S1o {V9aq})
63.80	68.65	Yellowish sandstone/grey-greenish siltstone (S3/S2)
68.65	105.10	Sandstone (green)/conglomerate (S3av/S1)
68.65	76.20	Conglomerate (S1)
87.20	88.80	Conglomerate (S1)
105.10	106.80	Grey chert/siltstone/argillite (Ch/S2/S4/S3)
106.80	116.00	Green sandstone (S3av)
116.00	135.10	Siltstone/argillite (S4/S2)
		Argillite beds are graphitic from 116 to 119.5 m; this zone is sheared and crenulated.
135.10	137.00	Iron carbonate (F4(a) 3%Py)
137.00	138.50	Siltstone/white conglomerate (ankeritic), 2% pyrite (S2/S1)
138.50	148.50	Felsic sheared tuff (V9a)
		Fault zone with gouge from 138.5 to 141.
148.50	243.30	Chloritic sheared and crenulated tuff (V9i)
		Increasing shearing downhole, several gouges and crenulated zones (from 181 to 210 m and from 222 to 243.3 m).
157.50	168.00	1-5% pyrite
211.00	239.00	Hematized
243.30		END OF HOLE.

MINES AGNICO-EAGLE LIMITEE
DIAMOND DRILL LOG

JV-91-14
Page 3

04-26-1991 :: 16:25

From(m)	To(m)	Description	Sample	From (m)	To (m)	Width (m)	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
0.00	16.00	Overburden (OVB)									
16.00	36.40	Green sandstone (S3av)	15687	19.50	21.00	1.50	<5	--	<5	--	--
			15688	25.00	26.50	1.50	<5	--	<5	--	--
			15689	30.00	31.50	1.50	<5	--	<5	--	--
			15690	34.00	34.50	0.50	<5	--	<5	--	--
36.40	39.00	Grey chert/siltstone/conglomerate (Ch/S2/S1)	15691	36.40	37.23	0.83	<5	--	<5	--	--
			15692	37.23	39.00	1.77	<5	--	<5	--	--
39.00	63.80	Conglomerate (S1o {V9aq})	15693	42.00	43.50	1.50	<5	--	<5	--	--
			15694	48.00	49.50	1.50	<5	--	<5	--	--
			15695	54.00	55.50	1.50	<5	--	<5	--	--
			15696	60.00	61.50	1.50	<5	--	<5	--	--
63.80	68.65	Yellowish sandstone/grey-greenish siltstone (S3/S2)	15697	64.80	66.00	1.20	<5	--	<5	--	--
			15698	66.00	67.20	1.20	<5	--	<5	--	--
			15699	67.20	68.65	1.45	<5	--	<5	--	--
68.65	105.10	Sandstone (green)/conglomerate (S3av/S1)									
	68.65	76.20 Conglomerate (S1)	15700	74.90	76.40	1.50	<5	--	<5	--	--
			15701	82.50	84.00	1.50	<5	--	<5	--	--
	87.20	88.80 Conglomerate (S1)	15702	87.20	88.80	1.60	<5	--	<5	--	--
			15703	91.50	93.00	1.50	<5	--	<5	--	--
			15704	99.00	100.50	1.50	<5	--	<5	--	--
105.10	106.80	Grey chert/siltstone/argillite (Ch/S2/S4/S3)	15705	105.10	106.60	1.50	<5	--	<5	--	--

MINES AGNICO-EAGLE LIMITEE
DIAMOND DRILL LOG

JV-91-14

Page 4

04-26-1991 :: 16:26

From(m)	To(m)	Description	Sample	From (m)	To (m)	Width (m)	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
106.80	116.00	Green sandstone (S3av)	15706	111.00	112.50	1.50	<5	--	<5	--	--
116.00	135.10	Siltstone/argillite (S4/S2)	15707	116.00	117.30	1.30	<5	--	<5	--	--
			15708	117.30	118.60	1.30	<5	--	<5	--	--
			15709	118.60	120.00	1.40	<5	--	<5	--	--
			15710	120.00	121.20	1.20	<5	--	<5	--	--
			15711	126.00	127.50	1.50	<5	--	<5	--	--
			15712	132.20	133.70	1.50	20	--	20	--	--
			15713	133.70	135.10	1.40	15	--	15	--	--
135.10	137.00	Iron carbonate (F4(a) 3%Py)	15714	135.10	137.00	1.90	<5	--	<5	--	--
137.00	138.50	Siltstone/white conglomerate (ankeritic), 2% pyrite (S2/S1)	15715	137.00	138.50	1.50	<5	--	<5	--	--
138.50	148.50	Felsic sheared tuff (V9a)	15716	138.50	139.70	1.20	<5	--	<5	--	--
			15717	139.70	141.00	1.30	<5	--	<5	--	--
			15718	144.00	145.50	1.50	<5	--	<5	--	--
148.50	243.30	Chloritic sheared and crenulated tuff (V9i)	15719	150.00	151.50	1.50	<5	--	<5	--	--
			15754	156.00	157.50	1.50	<5	--	<5	--	--
157.50	168.00	1-5% pyrite	15755	157.50	159.00	1.50	<5	--	<5	--	--
			15756	159.00	160.50	1.50	<5	--	<5	--	--
			15757	160.50	162.00	1.50	<5	--	<5	--	--
			15758	162.00	163.50	1.50	<5	--	<5	--	--
			15759	163.50	165.00	1.50	<5	--	<5	--	--
			15760	165.00	166.50	1.50	<5	--	<5	--	--
			15761	166.50	168.00	1.50	<5	--	<5	--	--
			15762	172.50	174.00	1.50	<5	--	<5	--	--

MINES AGNICO-EAGLE LIMITEE
ASSAY LOGJV-91-14
Page 6

04-26-1991 :: 16:26

Sample	From (m)	To (m)	Width (m)	-----Comment-----	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
15687	19.50	21.00	1.50		<5	--	<5	--	--
15688	25.00	26.50	1.50		<5	--	<5	--	--
15689	30.00	31.50	1.50		<5	--	<5	--	--
15690	34.00	34.50	0.50		<5	--	<5	--	--
15691	36.40	37.23	0.83		<5	--	<5	--	--
15692	37.23	39.00	1.77		<5	--	<5	--	--
15693	42.00	43.50	1.50		<5	--	<5	--	--
15694	48.00	49.50	1.50		<5	--	<5	--	--
15695	54.00	55.50	1.50		<5	--	<5	--	--
15696	60.00	61.50	1.50		<5	--	<5	--	--
15697	64.80	66.00	1.20		<5	--	<5	--	--
15698	66.00	67.20	1.20		<5	--	<5	--	--
15699	67.20	68.65	1.45		<5	--	<5	--	--
15700	74.90	76.40	1.50		<5	--	<5	--	--
15701	82.50	84.00	1.50		<5	--	<5	--	--
15702	87.20	88.80	1.60		<5	--	<5	--	--
15703	91.50	93.00	1.50		<5	--	<5	--	--
15704	99.00	100.50	1.50		<5	--	<5	--	--
15705	105.10	106.60	1.50		<5	--	<5	--	--
15706	111.00	112.50	1.50		<5	--	<5	--	--
15707	116.00	117.30	1.30		<5	--	<5	--	--
15708	117.30	118.60	1.30		<5	--	<5	--	--
15709	118.60	120.00	1.40		<5	--	<5	--	--
15710	120.00	121.20	1.20		<5	--	<5	--	--
15711	126.00	127.50	1.50		<5	--	<5	--	--
15712	132.20	133.70	1.50	1%Pyrite	20	--	20	--	--
15713	133.70	135.10	1.40	6%Pyrite	15	--	15	--	--
15714	135.10	137.00	1.90	3%Pyrite	<5	--	<5	--	--
15715	137.00	138.50	1.50		<5	--	<5	--	--
15716	138.50	139.70	1.20		<5	--	<5	--	--
15717	139.70	141.00	1.30		<5	--	<5	--	--
15718	144.00	145.50	1.50		<5	--	<5	--	--
15719	150.00	151.50	1.50		<5	--	<5	--	--
15754	156.00	157.50	1.50		<5	--	<5	--	--
15755	157.50	159.00	1.50		<5	--	<5	--	--
15756	159.00	160.50	1.50		<5	--	<5	--	--
15757	160.50	162.00	1.50		<5	--	<5	--	--

MINES AGNICO-EAGLE LIMITEE

JV-91-14

04-26-1991 :: 16:27

ASSAY LOG

Page 7

Sample	From (m)	To (m)	Width (m)	-----Comment-----	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
15758	162.00	163.50	1.50		<5	--	<5	--	--
15759	163.50	165.00	1.50		<5	--	<5	--	--
15760	165.00	166.50	1.50		<5	--	<5	--	--
15761	166.50	168.00	1.50		<5	--	<5	--	--
15762	172.50	174.00	1.50		<5	--	<5	--	--
15763	174.00	175.50	1.50		<5	--	<5	--	--
15764	178.50	180.00	1.50		<5	--	<5	--	--
15765	184.50	186.00	1.50		<5	--	<5	--	--
15766	190.50	192.00	1.50		<5	--	<5	--	--
15767	196.50	198.00	1.50		<5	--	<5	--	--
15768	202.50	204.00	1.50		<5	--	<5	--	--
15769	208.50	210.00	1.50		<5	--	<5	--	--
15770	213.00	214.50	1.50		<5	--	<5	--	--
15771	219.00	220.50	1.50		<5	--	<5	--	--
15772	223.50	225.00	1.50		<5	--	<5	--	--
15773	229.50	231.00	1.50		<5	--	<5	--	--
15774	235.50	237.00	1.50		<5	--	<5	--	--
15775	241.50	243.00	1.50		<5	--	<5	--	--

MINES AGNICO-EAGLE LIMITEE
DIAMOND DRILL LOG

JV-91-15

04-26-1991 :: 16:28

PROPERTY :	JOUVAL	PROJECT # :	71	LICENSE # :	388647-2, 388646-1
NTS MAP # :	32E/9	TOWNSHIP :	VALRENNES	ELEVATION :	Surface
LINE/STATION:	40+00W / 1+15S	EASTINGS/NORTHINGS:		AZIMUTH :	217.0 degrees
LENGTH :	243.00 m	INCLINATION :	-50.0 degrees		
OVERBURDEN :	25.00 m	CASING :	BQ CORE. CASING PULLED.		
LOGGED BY :	PASCAL MARQUIS	DRILLED BY :	FORAGE MODERNE INC.	ASSAYING BY :	AGNICO-EAGLE MINES & CHENEX
DATE LOGGED :	1991/02/20 to 1991/02/22	DATE DRILLED :	1991/02/13 to 1991/02/21	CORE LOCATION:	TELBEL CORE RACKS

TROPARI & ACID TESTS

Depth	Dip	Azimuth
25.00	-51.0	*****
60.00	-50.0	*****
124.00	-44.0	220.5
185.00	-45.0	*****
241.00	-39.0	220.5



ABSTRACT

This hole was drilled to test a IP trend interpreted to correspond to a sedimentary sequence hosting iron carbonate. Iron carbonate was found from 137 to 151.5 m. No detected gold in this hole.

MINES AGNICO-EAGLE LIMITEE
SUMMARY LOG

JV-91-15
Page 2

04-26-1991 :: 16:28

From(m)	To(m)	Field Name (Legend)
0.00	25.00	Overburden (0VB)
25.00	37.30	Felsic (quartz) crystal tuff (V9aqq) Chloritic zones hosting quartz-pyrite-(chalcopyrite) veins from 25.6 to 25.8 m, from 28.45 to 30 m, and from 36.1 to 37.3 m. Ankeritic halos around quartz-dolomite-chalcopyrite veins. Fault zone with gouge from 28.4 to 30 m.
37.30	41.60	Sandstone/siltstone/argillite (S3/S2/S4)
41.60	71.30	Green sandstone (S3av(c))
71.30	96.70	Sheared felsic tuff (V9a) Sheared and crenulated from 71.3 to 75.5 m and from 95.65 to 96.7 m.
96.70	125.00	Sandstone/siltstone (S3(cv)/S2)
125.00	125.90	Siltstone/graphitic argillite/chert (S2/S4g/Ch)
125.90	137.00	Sandstone-conglomerate (debris-flow), 2-10% pyrite (S3cd {Ch} 2-10%Py)
137.00	151.50	Iron carbonate, silicified, 10-15% pyrite. (F4s 10-15%Py)
151.50	157.70	Sandstone/siltstone/conglomerate. Ankeritic. (S3/S2/S1)
157.70	161.50	Heterogeneous ankeritic sedimentary sequence, 2-3% pyrite (S3/S1) Sheared, punctually crenulated.
161.50	186.60	Felsic tuff (V9a/(S3))
186.60	223.90	Feldspar porphyry (V9if)
223.90	243.00	Feldspar porphyry / Felsic tuff (V9if/V9a) Shear zone, almost mylonitic, crenulated.
243.00		END OF HOLE.

MINES AGNICO-EAGLE LIMITEE
DIAMOND DRILL LOG

JV-91-15

Page 3

04-26-1991 :: 16:28

From(m)	To(m)	Description	Sample	From (m)	To (m)	Width (m)	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
0.00	25.00	Overburden (OVB)									
25.00	37.30	Felsic (quartz) crystal tuff (V9agg)	15720	28.45	30.00	1.55	<5	--	<5	--	--
			15721	36.10	37.30	1.20	<5	--	<5	--	--
37.30	41.60	Sandstone/siltstone/argillite (S3/S2/S4)	15722	37.30	38.80	1.50	<5	--	<5	--	--
			15723	38.80	40.20	1.40	<5	--	<5	--	--
			15724	40.20	41.60	1.40	<5	--	<5	--	--
41.60	71.30	Green sandstone (S3av(c))	15725	41.60	43.10	1.50	<5	--	<5	--	--
			15726	48.00	49.50	1.50	<5	--	<5	--	--
			15727	55.50	57.00	1.50	<5	--	<5	--	--
			15728	61.50	63.00	1.50	<5	--	<5	--	--
			15729	67.70	69.00	1.30	<5	--	<5	--	--
			15730	69.00	70.10	1.10	<5	--	<5	--	--
71.30	96.70	Sheared felsic tuff (V9a)	15731	71.30	71.80	0.50	<5	--	<5	--	--
			15732	79.50	81.00	1.50	<5	--	<5	--	--
			15733	82.50	84.00	1.50	<5	--	<5	--	--
			15734	90.00	91.50	1.50	<5	--	<5	--	--
			15735	95.65	96.70	1.05	<5	--	<5	--	--
96.70	125.00	Sandstone/siltstone (S3(cv)/S2)	15736	96.70	98.00	1.30	<5	--	<5	--	--
			15737	103.30	104.35	1.05	<5	--	<5	--	--
			15738	106.45	107.10	0.65	<5	--	<5	--	--
			15739	112.50	114.00	1.50	<5	--	<5	--	--
			15740	118.50	120.05	1.55	<5	--	<5	--	--
125.00	125.90	Siltstone/graphitic argillite/chert (S2/S4g/Ch)	15741	125.05	125.90	0.85	<5	--	<5	--	--

MINES AGNICO-EAGLE LIMITEE
DIAMOND DRILL LOG

JV-91-15

Page 4

04-26-1991 :: 16:29

From(m)	To(m)	Description	Sample	From (m)	To (m)	Width (m)	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
125.90	137.00	Sandstone-conglomerate (debris-flow), 2-10% pyrite (S3cd {Ch} 2-10%Py)	15742	129.00	130.50	1.50	<5	--	<5	--	--
			15743	130.50	132.00	1.50	<5	--	<5	--	--
			15744	132.00	133.50	1.50	<5	--	<5	--	--
			15745	133.50	135.00	1.50	<5	--	<5	--	--
			15746	135.00	135.70	0.70	<5	--	<5	--	--
			15747	135.70	137.00	1.30	<5	--	<5	--	--
137.00	151.50	Iron carbonate, silicified, 10-15% pyrite. (F4s 10-15%Py)	15748	137.00	138.00	1.00	<5	--	<5	--	--
			15749	138.00	139.50	1.50	<5	--	<5	--	--
			15750	139.50	141.00	1.50	<5	--	<5	--	--
			15751	141.00	142.50	1.50	<5	--	<5	--	--
			15752	142.50	144.00	1.50	<5	--	<5	--	--
			15753	144.00	145.50	1.50	<5	--	<5	--	--
			15776	145.50	147.00	1.50	<5	--	<5	--	--
			15777	147.00	148.50	1.50	<5	--	<5	--	--
			15778	148.50	150.00	1.50	<5	--	<5	--	--
			15779	150.00	151.50	1.50	<5	--	<5	--	--
151.50	157.70	Sandstone/siltstone/conglomerate. Ankeritic. (S3/S2/S1)	15780	151.50	153.00	1.50	<5	--	<5	--	--
			15781	153.00	154.50	1.50	<5	--	<5	--	--
			15782	154.50	156.00	1.50	<5	--	<5	--	--
			15783	156.00	157.70	1.70	<5	--	<5	--	--
157.70	161.50	Heterogeneous ankeritic sedimentary sequence, 2-3% pyrite (S3/S1)	15784	157.70	159.00	1.30	<5	--	<5	--	--
			15785	159.00	160.50	1.50	<5	--	<5	--	--
			15786	160.50	161.50	1.00	<5	--	<5	--	--
161.50	186.60	Felsic tuff (V9a/(S3))	15787	161.50	163.50	2.00	<5	--	<5	--	--
			15788	163.50	165.00	1.50	<5	--	<5	--	--
			15789	165.00	166.50	1.50	<5	--	<5	--	--
			15790	166.50	168.00	1.50	<5	--	<5	--	--
			15791	168.00	169.50	1.50	<5	--	<5	--	--

MINES AGNICO-EAGLE LIMITEE

JV-91-15

01-26-1991 :: 16:30

ASSAY LOG

Page 6

Sample	From (m)	To (m)	Width (m)	-----Comment-----	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
15720	28.45	30.00	1.55	Tr Chalcopyrite.	<5	--	<5	--	--
15721	36.10	37.30	1.20		<5	--	<5	--	--
15722	37.30	38.80	1.50		<5	--	<5	--	--
15723	38.80	40.20	1.40		<5	--	<5	--	--
15724	40.20	41.60	1.40		<5	--	<5	--	--
15725	41.60	43.10	1.50		<5	--	<5	--	--
15726	48.00	49.50	1.50		<5	--	<5	--	--
15727	55.50	57.00	1.50		<5	--	<5	--	--
15728	61.50	63.00	1.50		<5	--	<5	--	--
15729	67.70	69.00	1.30		<5	--	<5	--	--
15730	69.00	70.10	1.10		<5	--	<5	--	--
15731	71.30	71.80	0.50		<5	--	<5	--	--
15732	79.50	81.00	1.50		<5	--	<5	--	--
15733	82.50	84.00	1.50		<5	--	<5	--	--
15734	90.00	91.50	1.50		<5	--	<5	--	--
15735	95.65	96.70	1.05		<5	--	<5	--	--
15736	96.70	98.00	1.30		<5	--	<5	--	--
15737	103.30	104.35	1.05		<5	--	<5	--	--
15738	106.45	107.10	0.65		<5	--	<5	--	--
15739	112.50	114.00	1.50		<5	--	<5	--	--
15740	118.50	120.05	1.55		<5	--	<5	--	--
15741	125.05	125.90	0.85		<5	--	<5	--	--
15742	129.00	130.50	1.50		<5	--	<5	--	--
15743	130.50	132.00	1.50		<5	--	<5	--	--
15744	132.00	133.50	1.50		<5	--	<5	--	--
15745	133.50	135.00	1.50		<5	--	<5	--	--
15746	135.00	135.70	0.70		<5	--	<5	--	--
15747	135.70	137.00	1.30		<5	--	<5	--	--
15748	137.00	138.00	1.00		<5	--	<5	--	--
15749	138.00	139.50	1.50		<5	--	<5	--	--
15750	139.50	141.00	1.50		<5	--	<5	--	--
15751	141.00	142.50	1.50		<5	--	<5	--	--
15752	142.50	144.00	1.50		<5	--	<5	--	--
15753	144.00	145.50	1.50		<5	--	<5	--	--
15776	145.50	147.00	1.50		<5	--	<5	--	--
15777	147.00	148.50	1.50		<5	--	<5	--	--
15778	148.50	150.00	1.50		<5	--	<5	--	--

MINES AGNICO-EAGLE LIMITEE
ASSAY LOGJV-91-15
Page 7

04 26-1991 :: 16:30

Sample	From (m)	To (m)	Width (m)	-----Comment-----	AVG ppb	Au C (on/t)	Au C (ppb)	Au P (on/t)	Au R (on/t)
15779	150.00	151.50	1.50		<5	--	<5	--	--
15780	151.50	153.00	1.50		<5	--	<5	--	--
15781	153.00	154.50	1.50		<5	--	<5	--	--
15782	154.50	156.00	1.50		<5	--	<5	--	--
15783	156.00	157.70	1.70		<5	--	<5	--	--
15784	157.70	159.00	1.30		<5	--	<5	--	--
15785	159.00	160.50	1.50		<5	--	<5	--	--
15786	160.50	161.50	1.00		<5	--	<5	--	--
15787	161.50	163.50	2.00		<5	--	<5	--	--
15788	163.50	165.00	1.50		<5	--	<5	--	--
15789	165.00	166.50	1.50		<5	--	<5	--	--
15790	166.50	168.00	1.50		<5	--	<5	--	--
15791	168.00	169.50	1.50		<5	--	<5	--	--
15792	169.50	171.00	1.50		<5	--	<5	--	--
15793	171.00	172.60	1.60		<5	--	<5	--	--
15794	174.80	176.30	1.50		<5	--	<5	--	--
15795	183.00	184.50	1.50		<5	--	<5	--	--
15796	189.80	191.30	1.50		<5	--	<5	--	--
15797	195.00	196.50	1.50		<5	--	<5	--	--
15798	198.90	200.70	1.80		<5	--	<5	--	--
15799	200.70	202.40	1.70		<5	--	<5	--	--
15800	202.40	204.00	1.60		<5	--	<5	--	--
15801	212.20	213.70	1.50		<5	--	<5	--	--
15802	218.00	219.50	1.50		<5	--	<5	--	--
15803	221.90	223.40	1.50		<5	--	<5	--	--
15804	228.00	229.50	1.50		<5	--	<5	--	--
15805	234.00	235.50	1.50		<5	--	<5	--	--
15806	240.00	241.50	1.50		<5	--	<5	--	--

APPENDIX B

ANALYTICAL RESULTS

MINES AGNICO-EAGLE LIMITÉE

RAPPORT D'ANALYSE

Date . 11. Jan. 91.

	NUMERO D'ÉCHANTILLON	Exploration	POIDS MGMS.	OZS. D'OR PAR TONNE
0-241	1 9603	IV-91-11		.TR
242	2 04	OK		.002
243	3 05		.TR	
244	4 9606	OK		.TR
245	5 15520		IV-91-10	.010
246	6 21	OK		.002
247	7 22		.TR	
248	8 23	OK		.TR
249	9 15524		.TR	
250	10 9812	AE 91-66		.TR
P- u	11 13			.TR
u	12 14			.TR
u	13 15			.TR
u	14 16			.016
u	15 17			.328
u	16 18			.088
u	17 9819			.004
u	18 90120			.050
P- u	19 85277			.180
	20			
	21			
	22			
	23			
	24			
	25			
	26			
	27			
	28			

John Van Der Meer

MINES AGNICO-EAGLE LIMITÉE

RAPPORT D'ANALYSE

Date ... 13. Jan. 91

	NUMÉRO D'ÉCHANTILLON	Exploration	POIDS MGMS.	OZS. D'OR PAR TONNE
1				
P-2082	15575	1V-91-12		± .001
209 3	76	/		.TR
210 4	77			.006
211 5	78			.004
212 6	79			.002
213 7	80			.006
214 8	81			.004
P-215 9	15582			.014
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				

Intercept

Jean-Louis Lemieux

MINES AGNICO-EAGLE LIMITÉE

RAPPORT D'ANALYSE

Date 14. Feb. 91.....

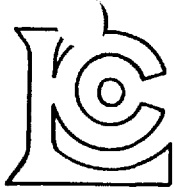
	NUMÉRO D'ÉCHANTILLON	Exploration	POIDS MGMS.	OZS. D'OR PAR TONNE	
P-233	15583	JV 91-R		.006	
234	84	/		.014	
235	85			.008	
236	86			.006	
237	87			.006	
238	88			.006	
239	89			TR	
240	90			TR	
241	91			TR	
P-242	15592				TR
11					
12		Entered			
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					

RAPPORT D'ANALYSE

Date 15. fev. 91

	NUMÉRO D'ÉCHANTILLON	Exploration	POIDS MGMS.	OZS. D'OR PAR TONNE
R. 147	1	15651		.004
148	2	52		.006
149	3	53	Interieur	.TR
150	4	54		.TR
151	5	55		.TR
152	6	56		.TR
153	7	57		.006
154	8	58		.TR
R. 155	9	15659		.TR
	10			
	11			
	12			
	13			
	14			
	15			
	16			
	17			
	18			
	19			
	20			
	21			
	22			
	23			
	24			
	25			
	26			
	27			
	28			

Jean Paul Demers



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul, Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION
765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

A9111630

Comments: ATTN: STEFAN LOPATKA CC: FAX

CERTIFICATE

A9111630

AGNICO-EAGLE DIVISION EXPLORATION

Project:
P.O. #:

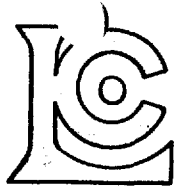
Samples submitted to our lab in Rouyn, PQ.
This report was printed on 28-FEB-91.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	120	Geochem ring to approx 150 mesh
294	120	Crush and split (0-10 pounds)

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	120	Au ppb: Fuse 30 g sample	FA-AAS	5	10000



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul, Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION
765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

Page Number : 1
Total Pages : 3
Certificate Date: 28-FEB-91
Invoice No. : 19111630
P.O. Number :

Project :
Comments: ATTN: STEFAN LOPATKA CC: FAX

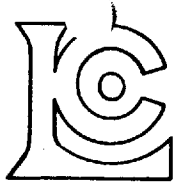
CERTIFICATE OF ANALYSIS

A9111630

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA										
9531	205 294	< 5	ACQUIS!									
9532	205 294	< 5										
9533	205 294	< 5										
9534	205 294	< 5										
9539	205 294	180										
9540	205 294	< 5										
9541	205 294	< 5										
9542	205 294	< 5										
9543	205 294	< 5										
9544	205 294	< 5										
9545	205 294	< 5										
9546	205 294	< 5										
9547	205 294	250										
9548	205 294	70										
9549	205 294	1910										
9550	205 294	195										
9551	205 294	< 5										
9574	205 294	< 5										
9575	205 294	< 5										
9576	205 294	< 5										
9577	205 294	< 5										
9578	205 294	< 5										
9579	205 294	< 5										
9580	205 294	< 5										
9581	205 294	< 5										
9582	205 294	< 5										
9583	205 294	< 5										
9584	205 294	< 5										
9585	205 294	< 5										
9586	205 294	< 5										
9587	205 294	< 5										
9588	205 294	< 5										
9589	205 294	< 5										
9590	205 294	< 5										
9591	205 294	< 5										
9592	205 294	< 5										
9593	205 294	< 5										
9594	205 294	< 5										
9595	205 294	< 5										
9596	205 294	< 5										

CERTIFICATION:

Stefan Lopatka



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul, Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION
765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

Page Number : 2
Total Pages : 3
Certificate Date: 28-FEB-91
Invoice No. : 19111630
P.O. Number :

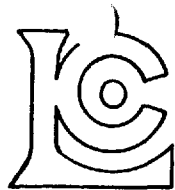
Project :
Comments: ATTN: STEFAN LOPATKA CC: FAX

CERTIFICATE OF ANALYSIS

A9111630

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA											
9597	205	294	< 5										
9598	205	294	< 5										
9599	205	294	< 5										
9600	205	294	< 5										
9601	205	294	< 5										
9602	205	294	< 5										
9607	205	294	< 5										
9608	205	294	< 5										
9609	205	294	< 5										
9610	205	294	< 5										
9611	205	294	< 5										
9612	205	294	< 5										
9613	205	294	< 5										
9614	205	294	< 5										
9615	205	294	< 5										
9616	205	294	< 5										
9617	205	294	< 5										
9618	205	294	< 5										
9619	205	294	< 5										
9620	205	294	< 5										
9621	205	294	< 5										
9622	205	294	< 5										
9623	205	294	< 5										
9624	205	294	< 5										
9625	205	294	< 5										
9626	205	294	< 5										
9627	205	294	< 5										
9628	205	294	< 5										
9629	205	294	< 5										
9630	205	294	< 5										
9631	205	294	< 5										
9632	205	294	< 5										
9633	205	294	< 5										
9634	205	294	< 5										
9635	205	294	< 5										
9636	205	294	< 5										
9637	205	294	< 5										
9638	205	294	< 5										
9639	205	294	< 5										
9640	205	294	< 5										

CERTIFICATION:



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul. Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION
765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

Page Number : 3
Total Pages : 3
Certificate Date: 28-FEB-91
Invoice No. : 19111630
P.O. Number :

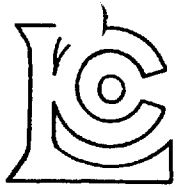
Project :
Comments: ATTN: STEFAN LOPATKA CC: FAX

CERTIFICATE OF ANALYSIS

A9111630

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA																		
9641	205	294	< 5																	
9642	205	294	< 5																	
9643	205	294	< 5																	
9644	205	294	< 5																	
9645	205	294	< 5																	
9646	205	294	< 5																	
9647	205	294	< 5																	
9648	205	294	< 5																	
9649	205	294	< 5																	
9650	205	294	< 5																	
9701	205	294	< 5																	
9702	205	294	< 5																	
9703	205	294	< 5																	
9704	205	294	< 5																	
9705	205	294	< 5																	
9706	205	294	< 5																	
9707	205	294	< 5																	
9708	205	294	< 5																	
9709	205	294	< 5																	
9710	205	294	< 5																	
9711	205	294	< 5																	
9712	205	294	< 5																	
9713	205	294	< 5																	
9714	205	294	< 5																	
9715	205	294	< 5																	
9716	205	294	< 5																	
9717	205	294	< 5																	
9718	205	294	< 5																	
9719	205	294	< 5																	
9720	205	294	< 5																	
9721	205	294	< 5																	
9722	205	294	15																	
9723	205	294	< 5																	
9724	205	294	20																	
9725	205	294	< 5																	
9726	205	294	< 5																	
9727	205	294	< 5																	
9728	205	294	< 5																	
9729	205	294	< 5																	
9730	205	294	< 5																	

CERTIFICATION:



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul, Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION

765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

A9111632

Comments: ATTN: STEFAN LOPATKA CC: FAX

CERTIFICATE

A9111632

AGNICO-EAGLE DIVISION EXPLORATION

Project:
P.O. #:

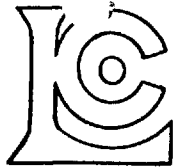
Samples submitted to our lab in Rouyn, PQ.
This report was printed on 26-FEB-91.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	120	Geochem ring to approx 150 mesh
294	120	Crush and split (0-10 pounds)

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	120	Au ppb: Fuse 30 g sample	FA-AAS	5	10000



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul, Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION

765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

Page Number : 1
Total Pages : 3
Certificate Date: 26-FEB-91
Invoice No. : 19111632
P.O. Number :

Project :

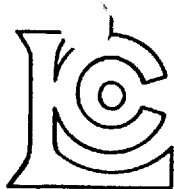
Comments: ATTN: STEFAN LOPATKA CC: FAX

CERTIFICATE OF ANALYSIS

A9111632

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA										
15465	205	294	< 5									
15466	205	294	< 5									
15467	205	294	< 5									
15468	205	294	< 5									
15469	205	294	< 5									
15487	205	294	< 5									
15488	205	294	< 5									
15489	205	294	< 5									
15490	205	294	< 5									
15491	205	294	< 5									
15492	205	294	< 5									
15493	205	294	< 5									
15494	205	294	< 5									
15495	205	294	< 5									
15496	205	294	< 5									
15497	205	294	< 5									
15498	205	294	< 5									
15499	205	294	< 5									
15500	205	294	< 5									
15501	205	294	< 5									
15502	205	294	< 5									
15503	205	294	< 5									
15504	205	294	< 5									
15505	205	294	< 5									
15506	205	294	< 5									
15507	205	294	< 5									
15508	205	294	< 5									
15509	205	294	< 5									
15510	205	294	< 5									
15511	205	294	< 5									
15512	205	294	< 5									
15513	205	294	< 5									
15514	205	294	< 5									
15515	205	294	< 5									
15516	205	294	< 5									
15517	205	294	< 5									
15518	205	294	< 5									
15519	205	294	10									
15525	205	294	10									
15526	205	294	5									

Stefan Lopatka



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul, Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION

765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

Page Number : 2
Total Pages : 3
Certificate Date: 26-FEB-91
Invoice No. : 19111632
P.O. Number :

Project :

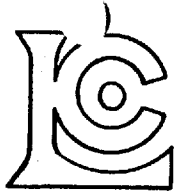
Comments: ATTN: STEFAN LOPATKA CC: FAX

CERTIFICATE OF ANALYSIS

A9111632

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA										
15527	205	294	<	5								
15528	205	294	<	5								
15529	205	294	<	5								
15530	205	294	<	5								
15531	205	294	<	5								
15532	205	294	<	5								
15533	205	294	<	5								
15534	205	294	<	5								
15535	205	294	<	5								
15536	205	294	<	5								
15537	205	294	<	5								
15538	205	294	<	5								
15539	205	294	<	5								
15540	205	294	<	5								
15541	205	294	<	5								
15542	205	294	<	5								
15543	205	294	<	5								
15544	205	294	<	5								
15545	205	294	<	5								
15546	205	294	<	5								
15547	205	294	<	5								
15548	205	294	<	5								
15549	205	294	<	5								
15550	205	294	<	5								
15551	205	294	<	5								
15552	205	294	<	5								
15553	205	294	<	5								
15554	205	294	<	5								
15555	205	294	<	5								
15556	205	294	<	5								
15557	205	294	<	5								
15558	205	294	<	5								
15559	205	294	<	5								
15560	205	294	<	5								
15561	205	294	<	5								
15562	205	294	<	5								
15563	205	294	<	5								
15564	205	294	<	5								
15565	205	294	<	5								
15566	205	294	<	5								

Stefan Lopatka
CERTIFICATE



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul, Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION
765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

Page Number : 3
Total Pages : 3
Certificate Date: 26-FEB-91
Invoice No. : 19111632
P.O. Number :

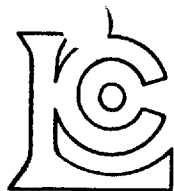
Project :
Comments: ATTN: STEFAN LOPATKA CC: FAX

CERTIFICATE OF ANALYSIS

A9111632

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA										
15567	205	294	< 5									
15568	205	294	< 5									
15569	205	294	< 5									
15570	205	294	< 5									
15571	205	294	< 5									
15572	205	294	< 5									
15573	205	294	< 5									
15574	205	294	< 5									
15593	205	294	< 5									
15594	205	294	< 5									
15595	205	294	< 5									
15596	205	294	< 5									
15597	205	294	< 5									
15598	205	294	< 5									
15599	205	294	< 5									
15600	205	294	< 5									
15601	205	294	15									
15602	205	294	< 5									
15603	205	294	< 5									
15604	205	294	< 5									
15605	205	294	< 5									
15606	205	294	< 5									
15607	205	294	< 5									
15608	205	294	< 5									
15609	205	294	< 5									
15610	205	294	< 5									
15611	205	294	< 5									
15612	205	294	< 5									
15613	205	294	< 5									
15614	205	294	< 5									
15615	205	294	< 5									
15616	205	294	< 5									
15617	205	294	< 5									
15618	205	294	< 5									
15619	205	294	< 5									
15620	205	294	< 5									
15621	205	294	< 5									
15622	205	294	< 5									
15623	205	294	< 5									
15624	205	294	< 5									

CERTIFICATION
Stefan Lopatka



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul, Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION

765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

A9111633

Comments: ATTN: STEFAN LOPATKA CC: FAX

CERTIFICATE

A9111633

AGNICO-EAGLE DIVISION EXPLORATION

Project:
P.O. #:

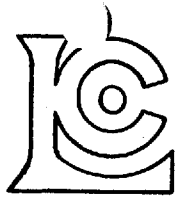
Samples submitted to our lab in Rouyn, PQ.
This report was printed on 28-FEB-91.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	53	Geochem ring to approx 150 mesh Crush and split (0-10 pounds)
294	53	

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	53	Au ppb: Fuse 30 g sample	FA-AAS	5	10000



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul, Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION

765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

Page Number : 1
Total Pages : 2
Certificate Date: 28-FEB-91
Invoice No. : 19111633
P.O. Number :

Project :

Comments: ATTN: STEFAN LOPATKA CC: FAX

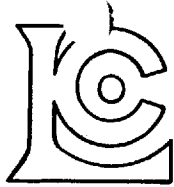
CERTIFICATE OF ANALYSIS

A9111633

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA										
15625	205	294	< 5									
15626	205	294	< 5									
15627	205	294	< 5									
15628	205	294	< 5									
15629	205	294	< 5									
15630	205	294	< 5									
15631	205	294	< 5									
15632	205	294	< 5									
15633	205	294	< 5									
15634	205	294	< 5									
15635	205	294	< 5									
15636	205	294	< 5									
15637	205	294	< 5									
15638	205	294	< 5									
15639	205	294	< 5									
15640	205	294	< 5									
15641	205	294	< 5									
15642	205	294	< 5									
15643	205	294	10									
15644	205	294	< 5									
15645	205	294	< 5									
15646	205	294	< 5									
15647	205	294	< 5									
15648	205	294	< 5									
15649	205	294	< 5									
15650	205	294	15									
15660	205	294	< 5									
15661	205	294	< 5									
15662	205	294	< 5									
15663	205	294	< 5									
15664	205	294	< 5									
15665	205	294	< 5									
15666	205	294	< 5									
15667	205	294	< 5									
15668	205	294	< 5									
15669	205	294	< 5									
15670	205	294	< 5									
15671	205	294	< 5									
15672	205	294	< 5									
15673	205	294	< 5									

CERTIFICATION:

Stefan Lopatka



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul, Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION

765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

Page Number : 2
Total Pages : 2
Certificate Date: 28-FEB-91
Invoice No. : 19111633
P.O. Number :

Project :

Comments: ATTN: STEFAN LOPATKA CC: FAX

CERTIFICATE OF ANALYSIS

A9111633

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA										
15674	205 294	< 5										
15675	205 294	< 5										
15676	205 294	< 5										
15677	205 294	< 5										
15678	205 294	< 5										
15679	205 294	< 5										
15680	205 294	< 5										
15681	205 294	< 5										
15682	205 294	< 5										
15683	205 294	< 5										
15684	205 294	< 5										
15685	205 294	< 5										
15686	205 294	< 5										

CERTIFICATION:



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul, Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION
765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

A9111634

Comments: ATTN: STEFAN LOPATKA CC: FAX

CERTIFICATE

A9111634

AGNICO-EAGLE DIVISION EXPLORATION

Project:
P.O. #:

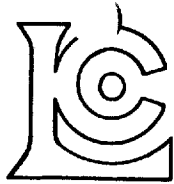
Samples submitted to our lab in Rouyn, PQ.
This report was printed on 28-FEB-91.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
225	40	No sample prep was done
227	40	Rolling charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
997	40	Au g/tonne: 1 assay ton	FA-GRAVIMETRIC	0.07	500.0
888	2	Weight+ g: Metallics calculation	BALANCE	0.01	N/A
889	2	Weight- g: Metallics calculation	BALANCE	1	N/A
998	40	Au oz/T: 1 assay ton	FA-AAS	0.001	20.00



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
 175 Boul. Industriel C.P. 284, Rouyn,
 Quebec, Canada J9X 5C3
 PHONE: 819-797-1922

o: AGNICO-EAGLE DIVISION EXPLORATION
 765 CHEMIN DE LA MINE GOLDEX, C.P. 87
 VAL D'OR, PQ
 J9P 4N9

Page 1 of 1
 Total Pages : 1
 Certificate Date: 26-FEB-91
 Invoice No. : 19111634
 P.O. Number :

Project :
 Comments: ATTN: STEFAN LOPATKA CC: FAX

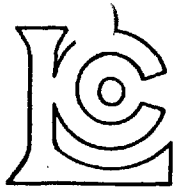
CERTIFICATE OF ANALYSIS

A9111634

SAMPLE DESCRIPTION	PREP CODE	Au FA g/tonne	Wt. + grams	Wt. - grams	Au oz/T						
9754P	225 227	< 0.07	104.10	85	< 0.002						
9755P	225 227	< 0.07	-----	-----	< 0.002						
9756P	225 227	< 0.07	-----	-----	< 0.002						
9757P	225 227	< 0.07	-----	-----	< 0.002						
9763P	225 227	< 0.07	-----	-----	< 0.002						
9764P	225 227	< 0.07	-----	-----	< 0.002						
9765P	225 227	< 0.07	-----	-----	< 0.002						
9766P	225 227	< 0.07	-----	-----	< 0.002						
9767P	225 227	< 0.07	-----	-----	< 0.002						
9768P	225 227	< 0.07	-----	-----	< 0.002						
9769P	225 227	< 0.07	-----	-----	< 0.002						
9770P	225 227	< 0.07	-----	-----	< 0.002						
9771P	225 227	< 0.07	-----	-----	< 0.002						
9772P	225 227	< 0.07	-----	-----	< 0.002						
9773P	225 227	< 0.07	-----	-----	< 0.002						
9774P	225 227	< 0.07	-----	-----	< 0.002						
9775P	225 227	0.27	-----	-----	0.008						
9776P	225 227	0.17	-----	-----	0.005						
9777P	225 227	0.21	-----	-----	0.006						
9778P	225 227	0.14	-----	-----	0.004						
9779P	225 227	0.24	55.50	154	0.007						
9780P	225 227	< 0.07	-----	-----	< 0.002						
9781P	225 227	< 0.07	-----	-----	< 0.002						
9782P	225 227	< 0.07	-----	-----	< 0.002						
9783P	225 227	0.17	-----	-----	0.005						
9784P	225 227	< 0.07	-----	-----	< 0.002						
9785P	225 227	< 0.07	-----	-----	< 0.002						
9786P	225 227	< 0.07	-----	-----	< 0.002						
9787P	225 227	< 0.07	-----	-----	< 0.002						
9788P	225 227	< 0.07	-----	-----	< 0.002						
9789P	225 227	< 0.07	-----	-----	< 0.002						
15651P	225 227	0.31	-----	-----	0.009						
15652P	225 227	0.17	-----	-----	0.005						
15653P	225 227	< 0.07	-----	-----	< 0.002						
15654P	225 227	< 0.07	-----	-----	< 0.002						
15655P	225 227	< 0.07	-----	-----	< 0.002						
15656P	225 227	< 0.07	-----	-----	< 0.002						
15657P	225 227	0.24	-----	-----	0.007						
15658P	225 227	< 0.07	-----	-----	< 0.002						
15659P	225 227	0.11	-----	-----	0.003						

CERTIFICATION:

W. Stan Ammine



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul, Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

AGNICO-EAGLE DIVISION EXPLORATION
765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

A9111635

Comments: ATTN: STEFAN LOPATKA CC: FAX

CERTIFICATE

A9111635

AGNICO-EAGLE DIVISION EXPLORATION

Project:
P.O. #:

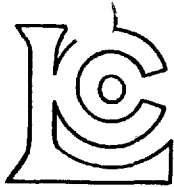
Samples submitted to our lab in Rouyn, PQ.
This report was printed on 28-FEB-91.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
208	121	Assay ring to approx 150 mesh
294	121	Crush and split (0-10 pounds)

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
997	121	Au g/tonne: 1 assay ton	FA-GRAVIMETRIC	0.07	500.0
998	121	Au oz/T: 1 assay ton	FA-AAS	0.001	20.00



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
 175 Boul. Industriel C.P. 284, Rouyn,
 Quebec, Canada J9X 5C3
 PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION
 765 CHEMIN DE LA MINE GOLDEX, C.P. 87
 VAL D'OR, PQ
 J9P 4N9

Page Number : 1
 Total Pages : 4
 Certificate Date: 28-FEB-91
 Invoice No. : 19111635
 P.O. Number :

Project :
 Comments: ATTN: STEFAN LOPATKA CC: FAX

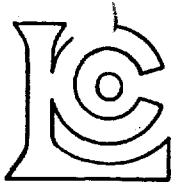
CERTIFICATE OF ANALYSIS

A9111635

SAMPLE DESCRIPTION	PREP CODE	Au FA g/tonne	Au oz/T								
2501R	208 294	< 0.27	< 0.008								
9552R	208 294	< 0.07	< 0.002								
9553R	208 294	< 0.07	< 0.002								
9554R	208 294	< 0.07	< 0.002								
9555R	208 294	< 0.07	< 0.002								
9556R	208 294	3.05	0.089								
9557R	208 294	9.19	0.268								
9558R	208 294	7.85	0.229								
9559R	208 294	3.77	0.110								
9560R	208 294	0.14	0.004								
9561R	208 294	< 0.07	< 0.002								
9603R	208 294	0.17	0.005								
9604R	208 294	< 0.07	< 0.002								
9605R	208 294	< 0.07	< 0.002								
9606R	208 294	< 0.07	< 0.002								
9733R	208 294	< 0.07	< 0.002								
9734R	208 294	< 0.07	< 0.002								
9735R	208 294	< 0.07	< 0.002								
9736R	208 294	< 0.07	< 0.002								
9737R	208 294	< 0.07	< 0.002								
9738R	208 294	< 0.07	< 0.002								
9739R	208 294	< 0.07	< 0.002								
9740R	208 294	< 0.07	< 0.002								
9741R	208 294	< 0.07	< 0.002								
9742R	208 294	< 0.07	< 0.002								
9743R	208 294	< 0.07	< 0.002								
9754R	208 294	< 0.07	< 0.002								
9755R	208 294	< 0.07	< 0.002								
9756R	208 294	< 0.07	< 0.002								
9757R	208 294	< 0.07	< 0.002								
9763R	208 294	< 0.07	< 0.002								
9764R	208 294	< 0.07	< 0.002								
9765R	208 294	< 0.07	< 0.002								
9766R	208 294	< 0.07	< 0.002								
9767R	208 294	< 0.07	< 0.002								
9768R	208 294	< 0.07	< 0.002								
9769R	208 294	< 0.07	< 0.002								
9770R	208 294	< 0.07	< 0.002								
9771R	208 294	< 0.07	< 0.002								
9772R	208 294	< 0.07	< 0.002								

CERTIFICATION:

W. Serpentin



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul. Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION
765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

Page Number : 3
Total Pages : 4
Certificate Date: 28-FEB-91
Invoice No. : 19111635
P.O. Number :

Project :
Comments: ATTN: STEFAN LOPATKA CC: FAX

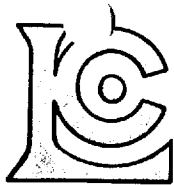
CERTIFICATE OF ANALYSIS

A9111635

SAMPLE DESCRIPTION	PREP CODE	Au FA g/tonne	Au oz/T										
9864R	208 294	0.10	0.003										
9877R	208 294	< 0.07	< 0.002										
9878R	208 294	< 0.07	< 0.002										
9879R	208 294	< 0.07	< 0.002										
9880R	208 294	0.07	0.002										
9881R	208 294	< 0.07	< 0.002										
15450R	208 294	0.10	0.003										
15470R	208 294	1.58	0.046										
15471R	208 294	5.21	0.152										
15520R	208 294	0.14	0.004										
15521R	208 294	0.07	0.002										
15522R	208 294	0.10	0.003										
15523R	208 294	0.07	0.002										
15524R	208 294	< 0.07	< 0.002										
15575R	208 294	0.07	0.002										
15576R	208 294	< 0.07	< 0.002										
15577R	208 294	0.24	0.007										
15578R	208 294	0.14	0.004										
15579R	208 294	0.17	0.005										
15580R	208 294	0.20	0.006										
15581R	208 294	0.07	0.002										
15582R	208 294	0.24	0.007										
15583R	208 294	0.17	0.005										
15584R	208 294	0.48	0.014										
15585R	208 294	0.14	0.004										
15586R	208 294	0.07	0.002										
15587R	208 294	< 0.07	< 0.002										
15588R	208 294	< 0.07	< 0.002										
15589R	208 294	0.10	0.003										
15590R	208 294	< 0.07	< 0.002										
15591R	208 294	< 0.07	< 0.002										
15592R	208 294	< 0.07	< 0.002										
15651R	208 294	0.27	0.008										
15652R	208 294	0.27	0.007										
15653R	208 294	< 0.07	< 0.002										
15654R	208 294	< 0.07	< 0.002										
15655R	208 294	< 0.07	< 0.002										
15656R	208 294	< 0.07	< 0.002										
15657R	208 294	< 0.07	< 0.002										
15658R	208 294	< 0.07	< 0.002										

CERTIFICATION:

W. Stamburini



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul. Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION
765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

A9111912

Comments: ATTN: STEFAN LOPATKA CC: FAX

CERTIFICATE

A9111912

AGNICO-EAGLE DIVISION EXPLORATION

Project:
P.O. #:

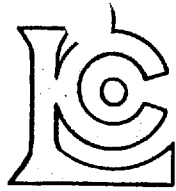
Samples submitted to our lab in Rouyn, PQ.
This report was printed on 6-MAR-91.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205 294	120 120	Geochem ring to approx 150 mesh Crush and split (0-10 pounds)

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	120	Au ppb: Fuse 30 g sample	FA-AAS	5	10000



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul. Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION
765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

Page Number : 3
Total Pages : 3
Certificate Date: 06-MAR-91
Invoice No. : 19111912
P.O. Number :

Project :
Comments: ATTN: STEFAN LOPATKA CC: FAX

CERTIFICATE OF ANALYSIS

A9111912

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA											
14572	205 294	< 5											
14573	205 294	< 5											
14574	205 294	< 5											
14575	205 294	< 5											
14576	205 294	< 5											
14577	205 294	< 5											
14578	205 294	< 5											
14579	205 294	< 5											
14580	205 294	< 5											
14581	205 294	< 5											
14582	205 294	< 5											
14583	205 294	< 5											
14588	205 294	< 5											
14589	205 294	< 5											
14616	205 294	< 5											
15687	205 294	< 5											
15688	205 294	< 5											
15689	205 294	< 5											
15690	205 294	< 5											
15691	205 294	< 5											
15692	205 294	< 5											
15693	205 294	< 5											
15694	205 294	< 5											
15695	205 294	< 5											
15696	205 294	< 5											
15697	205 294	< 5											
15698	205 294	< 5											
15699	205 294	< 5											
15700	205 294	< 5											
15701	205 294	< 5											
15702	205 294	< 5											
15703	205 294	< 5											
15704	205 294	< 5											
15705	205 294	< 5											
15706	205 294	< 5											
15707	205 294	< 5											
15708	205 294	< 5											
15709	205 294	< 5											
15710	205 294	< 5											
15711	205 294	< 5											

A

JV

Stefan Lopatka
CERTIFICATION



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul, Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION

765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

A9111914

Comments: ATTN: STEFAN LOPATKA CC: FAX

CERTIFICATE

A9111914

AGNICO-EAGLE DIVISION EXPLORATION

Project:
P.O. #:

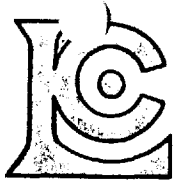
Samples submitted to our lab in Rouyn, PQ.
This report was printed on 5-MAR-91.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205 294	120 120	Geochem ring to approx 150 mesh Crush and split (0-10 pounds)

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	120	Au ppb: Fuse 30 g sample	FA-AAS	5	10000



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul, Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION
765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

Page Number : 1
Total Pages : 3
Certificate Date: 05-MAR-91
Invoice No. : 19111914
P.O. Number :

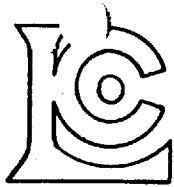
Project :
Comments: ATTN: STEFAN LOPATKA CC: FAX

CERTIFICATE OF ANALYSIS A9111914

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA										
15712	205 294	20										
15713	205 294	15										
15714	205 294	< 5										
15715	205 294	< 5										
15716	205 294	< 5										
15717	205 294	< 5										
15718	205 294	< 5										
15719	205 294	< 5										
15720	205 294	< 5										
15721	205 294	< 5										
15722	205 294	< 5										
15723	205 294	< 5										
15724	205 294	< 5										
15725	205 294	< 5										
15726	205 294	< 5										
15727	205 294	< 5										
15728	205 294	< 5										
15729	205 294	< 5										
15730	205 294	< 5										
15731	205 294	< 5										
15732	205 294	< 5										
15733	205 294	< 5										
15734	205 294	< 5										
15735	205 294	< 5										
15736	205 294	< 5										
15737	205 294	< 5										
15738	205 294	< 5										
15739	205 294	< 5										
15740	205 294	< 5										
15741	205 294	< 5										
15742	205 294	< 5										
15743	205 294	< 5										
15744	205 294	< 5										
15745	205 294	< 5										
15746	205 294	< 5										
15747	205 294	< 5										
15748	205 294	< 5										
15749	205 294	< 5										
15750	205 294	< 5										
15751	205 294	< 5										

CERTIFICATION:

Stefan Lopatka



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul, Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION
765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

Page Number : 2
Total Pages : 3
Certificate Date: 05-MAR-91
Invoice No. : 19111914
P.O. Number :

Project :
Comments: ATTN: STEFAN LOPATKA CC: FAX

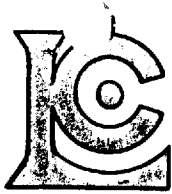
CERTIFICATE OF ANALYSIS

A9111914

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA										
15752	205	294	<	5								
15753	205	294	<	5								
15754	205	294	<	5								
15755	205	294	<	5								
15756	205	294	<	5								
15757	205	294	<	5								
15758	205	294	<	5								
15759	205	294	<	5								
15760	205	294	<	5								
15761	205	294	<	5								
15762	205	294	<	5								
15763	205	294	<	5								
15764	205	294	<	5								
15765	205	294	<	5								
15766	205	294	<	5								
15767	205	294	<	5								
15768	205	294	<	5								
15769	205	294	<	5								
15770	205	294	<	5								
15771	205	294	<	5								
15772	205	294	<	5								
15773	205	294	<	5								
15774	205	294	<	5								
15775	205	294	<	5								
15776	205	294	<	5								
15777	205	294	<	5								
15778	205	294	<	5								
15779	205	294	<	5								
15780	205	294	<	5								
15781	205	294	<	5								
15782	205	294	<	5								
15783	205	294	<	5								
15784	205	294	<	5								
15785	205	294	<	5								
15786	205	294	<	5								
15787	205	294	<	5								
15788	205	294	<	5								
15789	205	294	<	5								
15790	205	294	<	5								
15791	205	294	<	5								

JU

CERTIFICATION:



Laboratoires Chemex Ltee.

Essayeurs * Geochimistes * Chimistes Analytique
175 Boul. Industriel C.P. 284, Rouyn,
Quebec, Canada J9X 5C3
PHONE: 819-797-1922

To: AGNICO-EAGLE DIVISION EXPLORATION
765 CHEMIN DE LA MINE GOLDEX, C.P. 87
VAL D'OR, PQ
J9P 4N9

Page Number : 3
Total Pages : 3
Certificate Date : 05-MAR-91
Invoice No. : 19111914
P.O. Number :

Project :
Comments: ATTN: STEFAN LOPATKA CC: FAX

CERTIFICATE OF ANALYSIS

A9111914

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA										
15792	205 294	< 5										
15793	205 294	< 5										
15794	205 294	< 5										
15795	205 294	< 5										
15796	205 294	< 5										
15797	205 294	< 5										
15798	205 294	< 5										
15799	205 294	< 5										
15800	205 294	< 5										
15801	205 294	< 5										
15802	205 294	< 5										
15803	205 294	< 5										
15804	205 294	< 5										
15805	205 294	< 5										
15806	205 294	< 5										
15807	205 294	< 5										
15808	205 294	< 5										
15809	205 294	< 5										
15810	205 294	< 5										
15811	205 294	< 5										
15812	205 294	< 5										
15813	205 294	< 5										
15814	205 294	< 5										
15815	205 294	< 5										
15816	205 294	< 5										
15817	205 294	< 5										
15818	205 294	< 5										
15819	205 294	< 5										
15820	205 294	< 5										
15821	205 294	< 5										
15822	205 294	< 5										
15823	205 294	< 5										
15824	205 294	< 5										
15825	205 294	< 5										
15826	205 294	< 5										
15827	205 294	< 5										
15828	205 294	< 5										
15829	205 294	< 5										
15830	205 294	< 5										
15831	205 294	< 5										

JV

A

CERTIFICATION: