GM 50110

DIAMOND DRILL PROGRAMME, VALRENNES ACE PROPERTY

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REPORT ON THE WINTER 1990

DIAMOND DRILL PROGRAM

VALRENNES ACE PROPERTY

GROUPE AGNICO-EAGLE
EXPLORATION DIVISION

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

November 1990

SUMMARY

The winter 1990 drill program on the Valrennes ACE property achieved the principal goals for which it was designed. Firstly, holes 90-A-1 and 90-A-2 tested the extension of the Massive Pyritic Zone below the 600m level and to the north west.

Mineralization was found to be weak to slightly anomalous. This drilling has closed off the MPZ and limits it to a zone of 100m along strike X 500m depth X 1- 3m width grading approximately 0.10 oz Au/ton. These results significantly limit the potential of this zone. Further drilling is not recommended on this zone, however, a review of the structural controls of mineralization of the zone and it's extrapolation through the felsic stratigraphic package will be reviewed.

Secondly, holes 90-A-3, 4 and 5 drill tested various stratigraphic levels south of the MPZ stratigraphy, in search of the extension of the mine stratigraphy. Hole 90-A-4 drilled approximately 800m below the sediment-volcanic contact intersected a sedimentary-debris flow package hosting 6.2 metres of silicified massive to brecciated Iron Carbonates. This horizon is believed to represent the lateral stratigraphic equivalent of the mine stratigraphy. Though no economic values and only slightly anomalous values were encountered, this intersection opens up approximately 7km of untested mine sequence for exploration.

Holes 90-A-3 and 5 tested other stratigraphic levels and identified at least one other sediment volcanic contact previously unknown. No significant gold anomalies were intersected in this drill program. The recommended program is to follow-up on the

stratigraphic extension of the mine sequence toward the south east (toward the mines) and to the north west. This will be accomplished by:

1) Interpretation of compiled ground geophysical data
2) Geological and structural mapping
3) Target selection based on the Eagle-Telbel model.

INTRODUCTION

The 1990 winter drill program on the Valrennes "ACE" property consisted of 5 holes (90-A-1 to 5) totalling 2908.41 metres. Two holes(90-A-1 and 2) were designed to test the depth extent of the Massive Pyritic Zone mineralization at the 600- 700m level to determine the depth potential of this zone. The 3 remaining holes were targeted at various geophysically interpreted stratigraphic breaks to locate the Mine Sequence Stratigraphic equivalent in this region. The results of this drilling are documented in this report.

LOCATION, ACCESS AND PHYSIOGRAPHY

The Valrennes ACE property consists of 58 claims, covering 906 hectares located in Valrennes Township approximately 9 kilometers north west of the Agnico-Eagle Mine. The Harricana River flows northward through the center of the claim block. Access to the property is by the Harricana River or by a winter road from the Eagle Mine Site.

The ground is generally low lying sphagnam moss swamps to wet jack pine forest for 1km about the Harricana River. Relief is very gentle, rising approximately 30m from the river to the south western limit of the property. A ridge of some 10m relief trends along the south western boundary.

GENERAL GEOLOGY

The property is underlain by felsic volcanoclastics and sediments of the Joutel Felsic Volcanic Complex, sediments of the Harricana Sedimentary Basin and mafic volcanics of the Carthwright Volcanic Group. All these rocks are of Archean age, and are part

of the Harricana-Turgeon Greenstone Belt of the Abitibi Greenstone Sub province of the Superior Province. A Protoerzoic diabase dyke cuts this sequence on the property.

LOCAL GEOLOGY

The stratigraphic column as interpreted from drilling consists of:

C) Carthwright Mafic Volcanics (< 1000 m)
-consists of thin 10- 50m ultramafic volcanics at the base to massive to pillowed basalts of greater than 200m thickness;
-contact with unit below is altered and sheared probably unconformable;

B) Harricana Sedimentary Basin (200 meters)
-consists of argillites and greywackes with graphitic horizons marking the upper and lower boundaries;

A) Joutel Volcanic Complex
-predominantly a felsic volcaniclastic stratigraphy consisting of 3 discreet volcanic cycles within the ACE property;

Cycle 3 (400m)
-consists of a basal chloritic amygdular to massive basalt 300m thick overlain by two distinct felsic pyroclastic sequences. The lower porphyritic (Quartz eye) sequence (40- 65m) consists of Rhyolite, ash and crystal tuffs and lapillae tuffs, the upper felsic sequence consists of none porphyritic crystal to lapillae tuff 40- 50m thick. The sequences are separated by a thin (1- 3m) cherty horizon. The top of the upper sequence is marked by a massive to semi-massive pyritic horizon which hosts the MPZ mineralization, followed by graphitic nodular pyrite horizon.

Cycle 2 (200- 400m)
-consists of a basal amygdular to massive basalt (100- 300m) overlain by a mixed dacitic to felsic tuff, greywacke and lapillae tuff sequence 100m thick.

Cycle 1 (greater than 140m)
-consists of an intermediate to mafic volcanic tuffaceous unit (70 +m thick) containing basalts, dacitic quartz eye tuffs and felsic tuffs, overlain by a pyritic argillite, debris flow unit, massive iron carbonate overlain by argillites and graphitic argillites. This sedimentary sequence is the stratigraphic equivalent of the Mine Sequence. It averages 70m in thickness.

MINERALIZATION

Mineralization occurs at several stratigraphic levels within the sequence described. These are:

1) cross-cutting vein systems in felsic porphyritic tuffs and volcanics (discontinuous and low grade 0.05 oz Au/ton);
2) disseminated and stringer pyrite zones with associated quartz veins in carbonatized sections of the non-porphyritic tuffs/and sediments (100m X 500m X 1- 2m, 0.07 oz Au/ton);
3) Massive Pyrite Zone capping the non-porphyritic unit in contact with the graphitic horizon (main target to date, 100m X 500m X 1- 3m, 0.10 oz Au/ton;
4) disseminated and vein mineralization in carbonatized and fuchsitic rocks at the sediment- ultramafic contact (anomalous gold values ubiquitose, no local concentrations);
5) nodular to brecciated pyritic mineralization associated with sedimentary and graphitic sequences marking the tops of individual cycles. (Extensive with no significant anomalous values);

6) Disseminations and blebs of pyrite chaotically distributed throughout debris flow horizons. (No significant values);
7) disseminations in massive Iron Carbonates of Cycle 1 (no significant anomalous values).

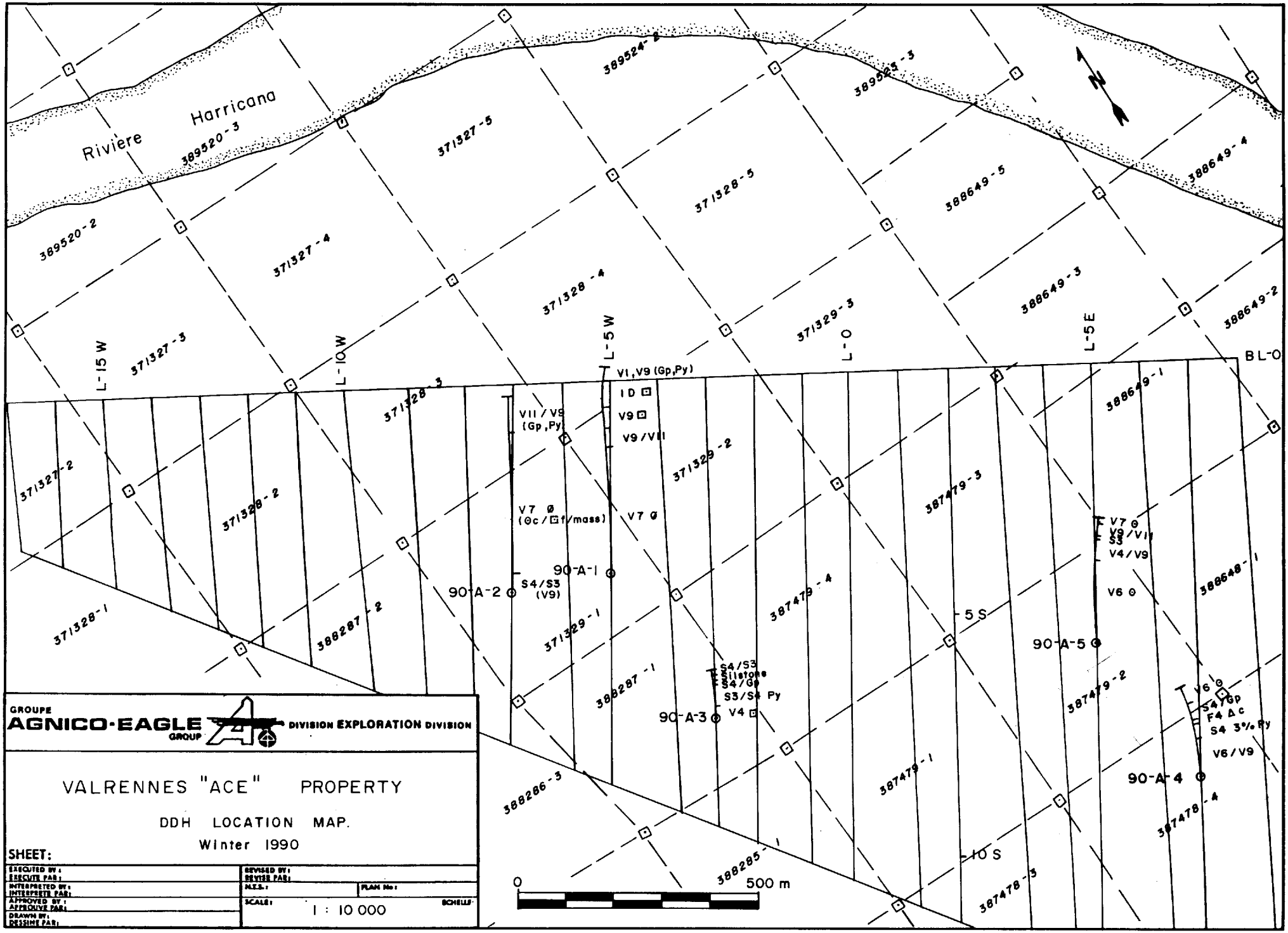
With the present drill program type 2, 3 and 4 were the principal targets of the two deep holes. In these holes, the mineralization was present but either limited in width or concentration. Since, to date, gold grades correlate well with pyrite content, the two holes drilled show little potential for extension of the principal zone at depth. The assay results bore this out.

STRUCTURE

The structural components of this area are:

1) Stratigraphy 120°/ 85- 88° S;
2) Second order low angle structures striking 105- 107° disrupt and thicken local stratigraphy, controlling mineralization;
3) High angle cross-structures striking 050° offset local stratigraphy with no apparent relationship to mineralization.

The present drilling intersected several structures of Type 2, in several levels in the stratigraphic section tested. However, in most cases the structures did not bear anomalous gold values unless accompanied by pyrite. Further verification is required to trace out the more important pyrite bearing structures.



GROUPE AGNICO-EAGLE GROUP — DIVISION EXPLORATION DIVISION

VALRENNES "ACE" PROPERTY

DDH LOCATION MAP.

Winter 1990

SHEET:

EXECUTED BY / EXECUTE PAR:	REVISED BY / REVISER PAR:	
INTERPRETED BY / INTERPRETE PAR:	N.T.S.:	PLAN No:
APPROVED BY / APPROUVE PAR:	SCALE: 1 : 10 000	ECHELLE
DRAWN BY / DESSINE PAR:		

DIAMOND DRILLING PROGRAM

90-A-1

This hole was targeted to intersect the Massive Pyrite Horizon at the 700m level below holes drilled at 500m returning favorable results.

The hole intersected the typical sequences of amygdular basalts, porphyritic and non-porphyritic pyroclastic rocks as previously drilled in this area (see logs for details).

Before intersecting the Massive Pyrite Horizon the hole entered into a quartz-feldspar porphyritic dyke. Upon crossing the dyke, the hole encountered a small (0.35m) Massive pyritic horizon which returned low (0.005) gold values. The presents of this dyke along with the low gold values completely limit the potential of the horizon. The hole ended in a graphitic nodular pyritic horizon.

90-A-2

This hole was targeted on the same horizon as hole 90-A-1. However the hole was stepped back to test a weak I.P. response near the collar location.

The hole collared into a narrow sedimentary package (238.05m drill intersection, 30- 40m true width) before intersecting the familiar amygdular basalts. The I.P. response is believed to be related to the contact between these two units as well as sericitic slips near this contact.

The hole traversed the usual sequence of basalt, porphyritic tuff and non-porphyritic tuffs and agglomerates before encountering the graphitic nodular pyritic horizon.

A 1.53 metre section of pyritic cherty tuffs containing approximately 40% Pyrite is correlated with the Massive Pyrite Horizon. It returned 0.0045 oz Au/ton over it's width. This result limits the westward and down dip potential of the Massive Pyrite Zone.

90-A-3

This hole was collared 300m stratigraphically below the previous holes. It was targeted on a moderate I.P. response with disrupted lateral continuity.

The hole collared in dacitic/lithic tuffs and drilled into a major sedimentary sequence of argillite- graphitic argillites-greywackes and cherts. The sequence of interbedded fine to coarse sediments was drilled to the end of the drill hole at 140.51m, giving a minimum thickness of 80m. The most significant feature is the intersection of two cherty horizons in the hole suggesting two potential cycle boundaries in this stratigraphic package.

Structurally,the hole intersected at least two larger breccia zones indicating significant structural disruption. As well transposition features are present.

No significant gold results were returned.

90-A-4

This hole was collared furthest south in the stratigraphic sequence, approximately 600m south of holes 90-A-1 & 2. It was drilled to test a strong I.P. response at the edge of the grid area. This location was postulated as being the potential strike extension of the Agnico-Eagle- Telbel Mines Mine Sequence.

The hole collared in dacitic crystal tuffs which were strongly chloritized. The hole then intersected a mixed sequence of tuffs- lapillae tuffs- argillites. The hole then intersected carbonatized mafic volcanics and pyroclastics topped by graphitic argillites.

The hole then intersected a mixed sequence of graphitic sediments, greywackes, argillites often brecciated and chaotically intermixed suggestive of debris flow environment. Within this sequence, the hole intersected 6.2m of Silicified Iron Carbonates and slightly brecciated Iron Carbonates. Though the surrounding stratigraphy is different from the Mine Sequence, there exist enough similarities to suggest this intersection to be the stratigraphic equivalent of the Mine Sequence located some 6.3km to the south east. The hole terminated in carbonatized mafic volcanics.

90-A-5

This hole was collared 700m stratigraphically below the major volcanic- sedimentary contact. It was drilled to intersect the stratigraphic sequence between holes 90-A-1 and 90-A-3 and 4. As well the hole was targeted to test an I.P. response believed related to a second cycle boundary in this stratigraphy.

The hole collared and drilled through an extensive (230 metres in hole) chlorite amygdular basalt unit similar to that intersected at the end of Hole 90-A-4.

The hole then cut a sequence of dacitic tuff, lapillae tuffs and agglomerates interbedded with greywackes. This sequence suggests minor sedimentary input into a volcaniclastic depositional environment. The sequence is approximately 90m thick in drill core.

The hole terminated in chloritic amygdular basalts similar to those intersected in holes 90-A-1 and 2. This hole suggests a second cycle of volcanics & sediments occur on the property.

Several major structures and gouge zones were intersected. Their significance to mineralization is yet to be determined.

The hole returned no significant gold assays.

CONCLUSIONS

The two goals of the drill program were:

a) Test for continuity of the Massive Pyritic Horizon mineralization;

b) Find the stratigraphic continuation of the Mine Sequence Iron Carbonates.

Holes 90-A-1 and 2 showed that the mineralization in the Massive Pyritic Horizon are limited to previous intersections, therefore no further drilling to test this zone should be done. This mineralized zone remains 100m long X 500m deep X 1 to 3m wide grading approximately 0.10 oz Au/ton.

Hole 90-A-4 intersected Iron Carbonates in a lower volcanic-sedimentary cycle, though no gold anomalies were returned. This intersection opens up an entirely new unexplored terrain. The significance of this discovery will be realized in futur exploration programs.

Holes 90-A-3 and 5 relieved the variable and complex stratigraphy of the so called Agnico felsic footwall sequence. It gives us the basis for further understanding of this felsic volcanic belt and for extrapolation into unknown sectors of this stratigraphy.

Though the results from the two deep holes on the Massive Pyrite Horizon were discouraging, the technical success of the 3 exploration holes opens up a significant unexplored area to investigation. The economic significance of this success will only be realized through further application of the techniques used to date.

RECOMMENDATIONS

The recommended follow-up program consists of expansion on the present discovery. The technique recommended is that used to date. Specifically the follow-up program will consist of:

1) Geophysical surveys (Magnetics, MaxMin and I.P.) along the lower cycle stratigraphy extending from the mines to this property and beyond to the north west;

2) Field mapping of the same area to determine stratigraphic position and structural relationships;

3) Interpretation of geophysical results as a geological and structural indicator;

4) Drilling of positive anomalies (geological, structural and geophysical);

5) Structural analysis of the Massive Pyritic Horizon to determine extensions of the mineralizing structure to more favorable stratigraphy.

Respectfully submitted,

Stefan B. Lopatka

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

November 16, 1990

HOLE 90-A-1

DIP TESTS

DEPTH (m.)	AZIMUTH	DIP
0	030	-80
53.04	028	-79
121.6	---	-77.5
126.2	031	-77
167.3	---	-74
193.2	032	-72
254.2	029	-67
287.7	027.5	-65
312.42	---	-62
312.42	HOLE STOPPED,TO MUCH DEVIATION.	
WEDGE # 1 AT 156.97 (DOWN WEDGE)		
174.95	029	-74
185.6	---	-72
223.7	027	-72
225.25	HOLE STOPPED WEDGE TO KEEP STRAIGHT	
WEDGE # 2 AT 220.98 (DOWN WEDGE)		
254.2	030	-72
283.16	---	-70.5
327.36	030.5	-68
328.88	HOLE STOPPED,STARTING TO DEVIATE	
WEDGE # 3 AT 325.83 (DOWN WEDGE)		
342.6	030	-69
371.55	---	-67
379.17	-?-	-67.5
397.46	031	-67
425.2	025.5	-67
488.9	025.5	-63
508.7	---	-62
550.2	031	-60
572.7	---	-58
619.7	030	-23
636.4	---	-20
654.71	HOLE STOPPED, DEVATION TO GREAT.	
WEDGE # 4 AT 559.92 (LEFT WEDGE TO GET OFF HOLE)		
566.01	HOLE STOPPED, CROW BAR BROKE,LOST CROW BAR CORE BARREL AND LAST 10 FEET OF CORE.	
WEDGE # 5 AT 544.68 (LEFT WEDGE TO GET PAST BROKEN CROW BAR)		
555.95	030	-56
584.91	---	-54
609.29	029	-52
641.3	031	-46
670.25	---	-42
699.21	031	-42
735.79	032	-41
754.07	---	-39
757.73	031	-39
807.41	---	-38
833.32	037	-39
875.99	034	-38
877.21	EOH	

S B Sopatka

#01728
TM90324026

MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A-1

Projet : Valrennes ACE 3713824 3713291
Claim : ~~3713292~~
Canton : Valrennes
Rang :
Lot :
N.T.S. : 32E 09

Ligne : L5+00W Ord. : 4+00S
Section : Ord. :
Lat. : Long. :
Elévation Orifice: 0
Azimut: 030°
Niveau: -80.5°

Profondeur : See separate page for
Plongée : directional tests
Azimut :
Commencé le : Feb 3, 1990
Terminé le :
Entrepreneur : N. Morrissette Inc.

Couronne
AX: EX:
AQ:

Feuille No 1 de
De à
Profondeur totale: 877.21m

Journal: Stefan B. Lopatka
Date: March 19, 1990

DE	À (m)	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Pv est.	% po. est.	Au. oz. T	Vérif.
0	7.925	Overburden (Casing left in hole water at 3- 5m)								
7.925	681.30	Mafic volcanic								
		usually medium green grey, aphanitic to fine grained, moderately								
		soft. Consists of 3 repetitive phases:								
		1) amygdular:								
		-5- 20% dark green, millimetric chloritic amygdules in								
		mafic volcanic								
		-this is the most prominent phase								
		-usually exhibits greatest degree of schistosity development								
		and shearing								
		2) porphyritic								
		-2- 15% buff white euhedral to subhedral feldspar porphyry								
		(1-2mm) in mafic volcanic								
		-massive to occasionally schistose								
		3) massive								
		-massive aphanitic mafic volcanic								
		-generally does not display schistosity								
		The stratigraphy generally displays an alternance between thick								
		amygdular phase (10- 30m true thickness) and the porphyritic phase								
		(1-5m true thickness) with occasional appearance of massive								

S.B. Lopatka

MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A-1

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne AX: EX: AQ:

Feuille No 2 de _____

De _____ à _____

Profondeur totale: _____

Journal: JB Sopata

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T	Vérif.
		phase with variable thickness (1- 10m true thickness)								
		This suggests multiple flows with some possible differentiation								
		in thicker flow units. Flow top breccias have not been identi-								
		fied.								
		Alteration: 5 types of alteration have been identified. They								
		are:								
		1) Sericitization:								
		-gradational from development of sericitic slips along folia-								
		tion plane to intense sericitization of entire rock								
		-usually associated with zones of strongly developed schis-								
		tosity and shear zones								
		2) Chloritization:								
		-ubiquitous chloritization of rock mass as evidenced by								
		chloritic amygdules and;								
		-complete chloritization of host associated with shear zone								
		quartz veining								
		3) Silicification:								
		-less common, associated with shear zone development								
		4) Hematization:								
		-confined to massive and occasional porphyritic phase								
		-not related to shear zones								
		-occurs a hematization of quartz veins and zones in massive								

MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A-1

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne AX: EX: AQ:

Feuille No 3 de _____

De _____ à _____

Profondeur totale: 1

Journal: S Blopatka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est	Au. oz. T	Vérif.
		phase								
		5) Bleaching:								
		-least common								
		-occurs as bleached tan patches in amygdular phase								
		Structure:								
		S_1 schistosity identified by foliation of chloritic amygdules								
		to weak sericitic slips 100, 20°; 160m, 20°; 170, 30°; 185m,								
		35°; 190m, 45°; 220m, 35°; 234m, 55°; 295m, 30°; 428m, 45°;								
		441m, 45°; 470m, 50°; 490m, 35°; 510m, 45°; 550m, 40°; 560m,								
		50°; 570m, 55°; 582m, 50°; 618m, 70°;								
		S_2: identified by stronger sericitic slips, gouge zones and								
		shear related quartz veining. Orientation is generally same								
		as S_1 with rotation of 10- 50° with respect to S_1								
		Veining 4 types of quartz veining:								
		1) Shear zone related								
		S_2 parallel complex veins in center of shear zone. They con-								
		sist of millimetric to 30cm quartz- calcite- iron carbonate								
		veins with sericitic and chloritic selvages and inclusions								
		in complex veins.								

LF H-2323

JOURNAL DE SONDAGES

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne
AX: EX:
AQ:

No 90-A-1

Feuille No 4 de _____

De _____ à _____

Profondeur totale: _____

Journal: S.B. Sopatka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	A	Long.	ANALYSES % Py est.	% po. est.	Au ppb	Vérif.	Veins
		2) S_1 schistosity parallel veins: 1mm- 1cm simple veins parallel	851	13.5	15.0	1.5			5		2
		to S_1. They consist of white quartz and iron carbonates	852	21.7	23.2	1.5			10		2
			853	30.0	31.5	1.5			5		1
		3) S_1 schistosity perpendicular veins: simple clear quartz veins	854	36.5	38.0	1.5			«5		5
		1mm- .5cm wide, occasionally displaced along schistosity	855	44.0	45.5	1.5			10		2
			856	49.85	51.35	1.5			«5		2
		4) Irregular quartz-calcite simple veins: less prominent than	857	56.0	57.5	1.5			«5		20
		other types variable orientation occasionally as conjugate	858	63.0	64.5	1.5			«5		10
		sets.	859	69.0	70.5	1.5			«5		-
			860	72.45	73.95	1.5			«5		1
		Mineralization:	861	81.5	83.0	1.5			«5		5
		Pyrite is the only sulphide mineral seen. It occurs primarily	862	87.3	88.8	1.5			«5		5
		as coarse to fine disseminations in chloritic and sericitic	863	89.8	91.2	1.5			«5		10
		selvages to shear zone quartz veins. Generally Tr to 1%	864	95.5	97	1.5			«5		1
		where present, never exceeds 3- 4%. Pyrite, as a whole, is	865	103.0	104.5	1.5			10		2
		rare through this unit.	866	109.8	110.8	1.0			5		15
			867	110.8	111.8	1.0			10		20
		7.925- 127.40: Amygdular phase foliated	868	111.8	113.0	1.2			10		50
		41.5- 109.3: Hematite alteration weak	869	117.7	119.2	1.5			5		5
		54.0- 75.0: Sericitic slips increase with quartz veining	870	125	126.5	1.5			«5		3
		60- 62: Broad Shear Zone Center	871	131.8	133.3	1.5			«5		2
		109.5- 114.0: Zone of Quartz Veining	872	138.5	140.0	1.5			«5		«1
		127.40- 135.9: Feldspar porphyritic phase Hematized throughout	873	143.5	145.0	1.5			«5		20
		135.9- 197.4: Amygdular phase	874	147.1	148.6	1.5			«5		15

LF H-2323

MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A-1

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 5 de _____

De _____ à _____

Profondeur totale: _____

Journal: SBSopuka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au ppb	Vérif.	Vein%
		147.5- 151.0: Sericitic slips increase	875	148.6	150.1	1.5			«5		20
		147.6- 147.8: Quartz Vein Shear Zone	876	155	156.5	1.5	1		«5		2
		161.3- 187.5: Shearing increases	877	158.9	160.4	1.5			5		5
		164.3- 167.4, 172.1- 172.3, 176.65, quartz veining	927	163.0	164.0	1.0			«5		10
		183.5- 187.5: Shear Zone with quartz-carbonate-sericite	878	164.0	165.5	1.5			180		20
		veining trace pyrite	879	165.5	167.0	1.5			450		30
			880	167.0	168.5	1.5			335		20
		191.5- 192.4: Several 1.5cm Ptygmatically folded quartz-	928	168.5	169.5	1.0			10		10
		carbonate veins	929	172.0	173.0	1.0	Tr		35		20
			881	173.0	174.5	1.5	.5		155		15
		197.4- 198.48: Porphyritic contacts at 45° to C.A.	930	174.5	175.5	1.0	Tr		«5		2
		198.48- 199.2: Amygdular minor veining	931	175.5	176.5	1.0			«5		1
		199.2- 208.0: Porphyritic variable Quartz veins 30, 50 & 70° to	882	176.5	178	1.5	.5		90		10
		C.A.	932	178	179	1.0			70		3
		208.0- 229.15: Amygdular	933	179	180	1.0			10		5
		215- 221.3: Sheared	934	180.0	181.5	1.5			«5		5
		220.5: Quartz-carbonate vein with sericitic	935	181.5	183	1.5			10		7
		selvage	936	183	184	1.0			«5		15
			883	184	185	1.0			35		10
		229.15- 230.45: Porphyritic	884	185.0	186.5	1.5	2		4810		90
		230.45- 292.48: Massive contains hematized quartz veins,	885	186.5	187.5	1.0	3		140		5
		occasional quartz carbonate veins and some irregular veins.	937	187.5	189	1.5			«5		1
			938	189	190.5	1.5			«5		1
			939	190.5	191.3	0.8			«5		1

LF H-2323

MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90 -A-1

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne AX: EX: AQ:

Feuille No 6 de _____

De _____ à _____

Profondeur totale: _____

Journal: S.B. Lapointe

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au ppb	Vérif.	Veins %
		246- 247.7: Slightly sheared around 3cm quartz-	886	191.3	192.8	1.5			705		20
		chlorite vein	940	192.8	194.0	1.2			5		2
			941	194.0	195.0	1.0			«5		1
		256- 271: Zone of quartz carbonate veining	887	210	211	1.0	Tr		«5		5
			888	219.5	220.8	1.3			10		30
		292.48- 306.90: Amygdular cut by shears at:	889	222.6	224	1.4			«5		5
		295.1- 295.4: .5- .8cm quartz- sericite veins	942	226.0	227.4	1.4			«5		2
		305.4- 305.8: gouge with quartz- Iron carbonate veins	890	227.4	229	1.6			680		1
			943	229	230.1	1.1			5		4
			891	234	235.5	1.5			«5		5
		306.90- 312.20: Massive	892	240	241.5	1.5			«5		3
			893	247	248	1.0			«5		2
		312.20: Hole stopped due to excessive flattening to reach	894	251.7	253.4	1.7			«5		5
		target at appropriate depth	895	257	258	1.0			«5		20
		Wedge #1 positioned to correct trajectory at 156.97m	896	258	259	1.0			«5		15
			897	262	263	1.0			«5		10
			898	269.7	271	1.3			«5		10
			899	272.7	274.4	1.7			«5		7
			900	282.0	283	1.0			«5		8
			801	288.75	290.25	1.5			«5		4
			802	293.9	295.5	1.6			225		20
			803	301	302	1.0			5		5
			804	305.1	306.1	1.0			5		5
			814	309	310	1.0			10		5

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MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A-1 W-1

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne
AX: EX:
AQ:

Feuille No 7 de _____

De _____ à _____

Profondeur totale: _____

Journal: J.B. Sopuerta

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T ppb	Vérif.	Vein %
		156.97 Wedge # 1 Down Wedge									
			805	159	160	1.0			«5		3
		156.97- 200.91: Amygdular moderately sheared sericitic banded	944	164	165	1.0			40		4
		with occasional gouge	806	165	166.5	1.5			240		5
			807	166.5	167.5	1.0			460		50
		164.0- 168.7: Shear zone with gouge at 166.3	945	167.5	169	1.5			50		5
		25% quartz-carbonate veining	808	172	173.5	1.5			35		15
			809	176.5	177.5	1.0	Tr		105		10
		183- 188.3: Shear zone with central gouge and 15%	810	179.5	181	1.5	1		80		5
		quartz veining	811	186	187.5	1.5	2		1330		40
			812	187.5	188.5	1.0	1		30		10
		200.91- 209.5: Porphyritic	813	191.7	192.7	1.0			725		10
		209.5- 211.17: Amygdular unfoliated									
		211.17- 215.5: Porphyritic									
		215.5- 225.25: Amygdular									
		220- 224: schistosity increases with 5% quartz									
		carbonate veining									
		225.25: Hole stopped due to flattening									
		Wedge #2 at 222.55									

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MINES AGNICO EAGLE LTEE

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No 90-A-1 W-2

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne AX: EX: AQ:

Feuille No 8 de _____

De _____ à _____

Profondeur totale: _____

Journal: S B Sopatka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T	Vérif.
		222.55 Wedge # 2 Down Wedge								
		222.55- 230.9: Amygdular- slightly schistose								
		223.5- 224.5: Shear zone with central quartz vein								
		230.9- 232.0: Porphyritic- minor veining								
		232.0- 233.48: Amygdular- minor ptygmatic veins								
		233.48- 235.85: Porphyritic- minor quartz veining cross sets at								
		60° & 45° to C.A.								
		- tinge of hematite alteration								
		235.85- 252.39: Massive- hematite staining								
		- minor hematized quartz-carbonate veins								
		252.39- 274.8: Amygdular- upper 2m sheared with central quartz								
		vein (253.5)								
		- less schistose for the rest of interval								
		260- 261 & 262.2- 262.35: quartz veins								
		274.8- 291.74: Massive- hematite staining of host and minor								
		quartz veins								

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MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A-1 W-2

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____

Rang : _____ Elévation Orifice: _____

Lot : _____ Azimut: _____

N.T.S. : _____ Niveau: _____

Commencé le : _____

Terminé le : _____

Entrepreneur : _____

Couronne AX: EX: AQ:

Feuille No 9 de _____

De _____ à _____

Profondeur totale: _____

Journal: SB Lapatka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	A	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T ppb	Vérif.	Veins%
		291.74- 298.48: Amygdular- schistose with variable S_i of 30° to 5° to C.A.									
		295.3- 296.0: Quartz-carbonate sericite vein zone 40% veins	815	294.9	296.4	1.5			170		40
		298.48- 301.36: Porphyritic- minor carbonate veins at 45° to C.A	816	298	299.4	1.4			10		3
		301.36- 303.5: Amygdular- minor shearing with hematization at 301.52									
		303.5- 306.2: Porphyritic- massive									
		306.2- 311.9: Massive									
		311.9- 314.82: Porphyritic									
		314.82- 316.49: Amygdular									
		316.49- 323.18: Porphyritic									
		323.18- 328.88: Amygdular									
		325.5- 327: Bleached zone	817	325.5	327.0	1.5			25		5
		326- 327: 4cm quartz-sericite-chlorite vein									
		328.88: Hole stopped due to flattening									
		Wedge # 3 at 324.65 m									

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MINES AGNICO EAGLE LTEE

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No 90-A-1 W 3

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 10 de _____

De _____ à _____

Profondeur totale: _____

Journal: LB Spatka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T ppb	Vérif	Vein%
		324.65 Wedge # 3 (down wedge)									
		324.65- 362.0: Amygdular- weak foliation									
		325.7- 327.4: sericitized & bleached zone	818	326	327	1.0			50		10
		with central 4 cm quartz-carbonate									
		vein, chloritic selvage 40° to C.A.									
		334.75- 336.60: Shear zone with Quartz veining									
		at 335.8- 336.6, contain euhedral	819	334.5	335.5	1.0	Tr		«5		25
		pyrite cubes	820	335.5	337	1.5	2%		310		35
		340.15- 341.0: quartz-carbonate vein, 1% py,	821	337	338.5	1.5			30		10
		40° to C.A.	822	338.5	340	1.5			120		5
		-	RQD	335	338	75%					
		347.7- 348.6: Quartz vein zone with bleached	823	340	341	1.0	1		265		30
		silicified matrix 45° to C.A. -	RQD	338	341	65%					
			824	341	342.5	1.5	Tr		100		5
		359.3- 360: Sericitic alteration increases	825	346	347	1.0			25		6
			826	347.6	348.8	1.4	1		450		70
		362.0- 363.15: Porphyritic	827	355	356	1.0			5		10
		363.15- 374.1: Amygdular- Hematite staining from 365	828	362	363	1.0			45		5
		374.1- 414.7: Massive- minor amygdular patches	829	366	367.5	1.5			«5		2
		hematite stained at 374.1 & 393	830	373.5	375	1.5			«5		5
		minor quartz veining (hematitic) at:	831	382	383	1.0			«5		7
		394, 403, 409	832	391.5	393	1.5			«5		6
			833	393	394.5	1.5			«5		10

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Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne
AX: EX:
AQ:

No 90-A-1 W-3

Feuille No 11 de _____

De _____ à _____

Profondeur totale: _____

Journal: SB Lapathe

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au ppb or T	Vérif.	Veine
		414.7- 421.40: Amygdular	834	402.9	404.5	1.6			«5		10
		416.40- 417.20: Quartz vein zone 5° to C.A.	835	408.5	410	1.5			«5		15
			836	416	417.5	1.5			55		30
		421.40- 424.26: Massive- minor quartz veins									
		424.26- 429.30: Amygdular									
		424.80- 426.70: Sericitic stringer zone 10° to C.A.	837	424.5	426	1.5			«5		10
		429.30- 440.5: Massive- hematite staining minor quartz vein	838	431	432.5	1.5			«5		5
			839	436	437	1.0			«5		10%
		440.5- 441.5: Amygdular- minor sericite- central quartz vein									
		45° to C.A.	840	440.7	442.2	1.5			«5		4
		441.5- 444.2: Massive- slight hematization									
		444.2- 445.87: Amygdular- bleached at 444.4- .6, calcite vein									
		445.87- 449.30: Porphyritic									
		449.3- 517.3: Amygdular massive to schistose	841	450	451	1.0	Tr		105		15
		458.75- 468.2: Sheared, sericitized with	842	455.5	457.0	1.5			«5		15
		associated quartz veining	843	458.5	460	1.5			«5		10
		469.1- 474.7: Sheared with less quartz veining	844	464.5	466	1.5			10		30
		483.75- 486: Sheared minor veining	845	471.5	473	1.5			«5		2
		489.60- 489.75: Quartz- Iron carbonate- feldspar	846	476.5	478.0	1.5			«5		2
		vein with sericitic and chloritic	847	480.2	481.2	1.0			«5		7
		selvage	848	489	490	1.0			«5		20

MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A-1 W-3

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

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N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 12 de _____

De _____ à _____

Profondeur totale: _____

Journal: S Bopatta

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T ppb	Vérif.	Vein%
		490- 491.73: Strong schistosity 35° to C.A., minor quartz									
		vein	849	496	497	1.0			«5		10
		496.6- 497: Complex quartz-chlorite vein sericitic selvage									
		500- 517.30: Sheared with increased quartz veining	850	500	501.5	1.5			«5		2
		511.2- 515: ribboned quartz veins with Iron carbonate	901	504.5	506	1.5			«5		20
		and feldspar, sericitic matrix	902	510.5	512	1.5			«5		10
		516.4- 517.45: Hematite staining	903	512	513	1.0			15		75
			904	513	514.5	1.5			90		5
			905	516.4	517.4	1.0			«5		5
		517.30- 521.72: Porphyritic- minor hematitic quartz veins	906	520.9	522.3	1.6			«5		15
		521.71- 532.6: Amygdular- weak schistosity minor sericitization	907	530.5	532	1.5			«5		7
		and bleaching weak veining									
		532.6- 544.6: Massive hematized with minor hematized	908	534.5	536	1.5			«5		10
		quartz veins									
		Schistosity increases in last 7m	909	540.5	542.0	1.5			«5		15
			910	548	549.5	1.5			«5		5
		544.6- 606 Amygdular	911	552.1	553.6	1.5			«5		10
		552- 559: Sheared with bleaching and	912	556.5	557.5	1.0			75		3
		weak hematization	913	557.5	559	1.5			25		5
		558.25: Quartz vein in gouge									

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No 90-A-1 W-3

Feuille No 13 de _____

De _____ à _____

Profondeur totale: _____

Journal: JB Spatha

Date: _____

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne AX: EX: AQ:

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au opt. ppb	Vérif.	Veins %
		561.9- 562.60: Bleached with diffuse	914	562	563	1.0			«5		-
		contacts									
		567.7- 572.16: Hematite weak, minor	915	569	570	1.0			«5		5
		Quartz veins, lower									
		contact sharp 55° to C.A.	916	574	575	1.0			«5		2
		582.4- 586.16: Sheared with quartz-carbonate	917	582.3	583.3	1.0			«5		20
		vein at 583.57- .90, chloritic	918	583.3	584.3	1.0			«5		60
		and sericitic selvage	919	584.3	585.7	1.5			«5		40
		588.05- 606: Sheared with banded	920	587.5	588.5	1.0			«5		30
		alteration between bleached	921	591.5	593	1.5			10		25
		and sericitic slips	922	593	594	1.0			20		10
		Quartz-carbonate veining at	923	594	595	1.0			«5		10
		592 to 599	924	596.8	597.8	1.0			«5		20
		minor calcite gash veins	925	597.8	598.8	1.0			«5		40
			926	603	604.5	1.5			5		30
		606- 613.6: Porphyritic- slight foliation at 70° to C.A.	947	613	614.	1.0			«5		20
		613.6- 654.0: Amygdular- minor to moderate shearing	948	616	617.5	1.5			«5		15
		624- 627.5: maximum shearing	949	622.5	624	1.5			«5		3
		quartz veins associated with increased	950	624	625.5	1.5			5		1
		shear strength. Bleached throughout	951	625.5	627	1.5	Tr		5		2
		minor hematitic zones.	952	627	628	1.0			«5		1
			953	634.3	635.8	1.5			«5		10

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MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

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Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ _____ _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ _____ _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ _____ _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 14 de _____

De _____ à _____

Profondeur totale: _____

Journal: SB Sopatka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	À	Long.	% Py est.	% po. est.	Au. oz. T / ppb	Vérif.	Veins
		635- 638: Shear Zone- minor quartz veining									
			954	637	638.5	1.5			«5		7
			955	642	643	1.0			«5		5
		654: Hole stopped due to extreme deviation	956	644.5	646	1.5			«5		7
		Flattening of 35°/ 154'	957	650.5	652	1.5			«5		5
		Wedge #4 at 559.92m to bypass deviation									
		559.92m Wedge # 4									
		Drilled to 566.01 when crow bar broke									
		with core barrel. Attempts to recover by									
		tapping failed due to caving in hole.									
		Lost in hole 1 crow bar									
		1 core barrel									
		10 feet of core									
		Wedge # 5 at 544.68 to bypass cave & crowbar									
		559.92- 560.95: Amygdular schistosity moderate									
		stretched amygdules									
		560.95- 561.75: Bleached amygdular									
		561.75- 561.96: Hematized									
		561.96 End of recovered core									

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MINES AGNICO EAGLE LTEE

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Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ _____ _____

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ _____ _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ _____ _____

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne AX: EX: AQ:

No 90-A-1 W-5

Feuille No 15 de _____

De _____ à _____

Profondeur totale: _____

Journal: SB Sopatka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Pv est.	% po. est.	Au. oz. T ppb	Vérif.	Veine%
		544.68 Wedge # 5									
		to bypass caving &									
		crow bar left in hole	958	551.5	553	1.5			80		5
		544.68- 602.8: Amygdular Moderately sheared,bleached	959	557	558.5	1.5			«5		1
		with minor hematitic bands (551- 554)	960	581.4	583.1	1.7			5		2
		588.2- 590.8: Quartz vein zone	961	588.2	589.7	1.5			20		70
		-large 20-30cm quartz veins	962	589.7	591.05	1.25			10		45
		with chloritic selvages	963	591.05	592.6	1.55			5		10
		594- 600: quartz vein zone	964	597.4	598.9	1.5			10		30
		10cm quartz veins with									
		5-15cm bleached reaction									
		rims									
		600- 602.8: sheared with minor									
		quartz veining									
		602.8- 603.2 Porphyritic massive									
		603.2- 681.3: Amygdular- moderately but variably	965	606	607	1.0			10		5
		sheared. Continued banded	966	611.8	613.3	1.5			«5		10
		alteration, bleaching &	967	624.5	626	1.5			10		7
		sericitization	968	628	629.5	1.5			5		2

MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A-1

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ _____ _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ _____ _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ _____ _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 16 de _____

De _____ à _____

Profondeur totale: _____

Journal: SB Sopalla

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	À	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.	Vein
									ppb		%
		603.2- 607.7: sheared minor bleaching									
		607.7- 610.3: mottled alteration less sheared	969	633.5	635	1.5			«5		10
		610.3- 613.3: sheared irregular quartz	970	643	644	1.0			«5		10
		veining	971	646.1	647.6	1.5			«5		5
		619- 636: sheared with increased	972	653.5	655	1.5			«5		-
		bleaching	973	661.5	663	1.5			«5		3
		620- 621: Silicification	974	670.25	671.75	1.5			«5		10
		623.7- 636: Banded alteration, bleaching	975	677.0	679.5	1.5			«5		7
		in 50cm section	976	679.5	680.86	1.36			30		2
		60% of zone altered	977	680.86	681.86	1.0	Tr		«5		3
		636- 681.3: Schistosity decreases to									
		moderate to weak. Few sericitic									
		slip planes. Veining minor with									
		more significant carbonate component.									
681.3	697.11	Rhyolite- cream coloured strongly altered									
		-original textures preserved									
		-cooling rims									
		-massive lobes	978	681.86	683.36	1.5	2		50		10
		-inter lobate hyloclastites	979	683.36	684.36	1.0	1		60		3
		-thin tuffaceous horizons	980	684.36	685.5	1.14	Tr		«5		1
		681.3- 693.76 Minor pyritic stringers Tr-1%	981	685.5	687	1.5	2		«5		3
		693.76- 696.7: Pyritic bands & stringers 2%									

LF H-2323

MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A-1 W-5

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 17 de _____

De _____ à _____

Profondeur totale: _____

Journal: LB Lapointe

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T ppb	Vérif.	Veine%
		696.7- 697.11: Pyritic bands 5%									
			982	692.2	693.7	1.5	2		«5		2
		-alteration is strong and consists of complete	983	693.7	695.2	1.5	Tr		«5		3
		sericitization and patchy chloritization particularly	984	695.2	696.1	1.1	3		55		2
		in Inter lobate Hyloclastites	985	696.1	697.1	1.0	15		690		2
		-minor Pytgmatically folded carbonate veining	986	697.1	698.6	1.5	Tr		80		2
		with 1-2% pyrite	987	698.6	700.1	1.5	3		5		5
			988	702.75	703.75	1.0	Tr		60		2
697.11	711.10	Quartz eye Porphyritic Tuff to Lapillae Tuff	989	707.9	709.4	1.5	1		«5		30
		-10% quartz eyes (.2- .5cm) in tuffaceous matrix	990	709.4	711.0	1.6	1		«5		2
		with occasional coarser felsic fragments									
		(lapillae size)									
		-chloritic patches make up 30% of rock in									
		bands 10cm to 1m thick									
711.10	712.33	Lapillae tuff- felsic tuff with 2% lapillae size felsic frag-									
		ments -non quartz eye	991	711.0	712.4	1.4	2%		10		4
		-sericitic alteration as S_1 slips									
		-pyrite trace to 1%									
		-chloritic stringers «1%									
712.33	716.30	Quartz eye tuff- felsic tuff with minor quartz eyes	992	715	716.5	1.5	10%		260		10
		-quartz eyes less prominent than previous sections									
		-last 1.5 meters silicified fine grained recrystallized									

LF H-2323

MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A-1 W-5

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne AX: EX: AQ:

Feuille No 18 de _____

De _____ à _____

Profondeur totale: _____

Journal: JB Lapalme

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	A	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T ppb	Vérif.	Veine
		rock with quartz eyes (contact metamorphic)									
		-Pyrite crystals present in metamorphic aureole									
716.30	720.94	Quartz feldspar Porphyry Dyke Zone									
		-consists of 3 25- 65cm dykes intruded									
		into metamorphosed and silicified quartz eye									
		tuffs									
		-dyke consists of fine to medium grained									
		anhedral quartz and feldspar crystals, outlines									
		of crystals are poorly visible									
		-tuffs are strongly silicified, and extensively veined									
		716.3- 716.90: Q.F.P.	993	716.5	718.0	1.5	5		130		15%
		716.90- 717.97: Pyritized Quartz Eye tuff: 3-5% pyrite									
		717.97- 718.20: Q.F.P.	994	718.0	719.5	1.5	3		70		7%
		718.20- 720.23: Mottled chloritic patches in felsic tuff; 1-2%									
		pyrite	995	719.5	721.0	1.5	1		10		3%
		720.23- 720.5: Q.F.P.									
		720.50- 720.94: Silicified quartz eye felsic tuff									
720.94	728.70	Quartz Eye Tuff- silicified as in previous section	996	721	722.5	1.5	2		145		2
		- occasional pyrite stringers (2%) at 35° to C.A.	997	722.5	724	1.5	4		1610		3
		- disseminated pyrite in local concentration (2%)	998	724	725.5	1.5	6		970		2
		725- 728.7: - chloritic alteration patches	999	725.5	727	1.5	5		970		1
			1000	727	728.7	1.7	3		230		3

MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A-1 W-5

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 19 de _____

De _____ à _____

Profondeur totale: _____

Journal: S B Sopatkin

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	À	Long.	% Pv est.	% po. est.	Au. oz. T ppb	Vérif.	Veine%
728.7	741.9	Quartz eye tuff- strongly silicified									
		-% quartz eyes drops to 1-2% (possible resorption	1051	728.7	730	1.3	1		440		5
		by silicification	1052	730	731.5	1.5	Tr		320		7
		733.84- 734.30: chloritic patches, with increase pyrite	1053	731.5	733	1.5	2		740		20
		concentrations	1054	733	734.5	1.5	1		220		5
		736- 737: - quartz vein zone veining 25- 40° to C.A.	1055	734.5	736	1.5	Tr		305		-
		735- 741.9: - no visible quartz eyes	1056	736	737.5	1.5	3		225		50
		- strongest silicification							Au oz/t		
		- increase in sulphide content to maximum	1057	737.5	739.0	1.5	1	Tr	.006	.004	1
		in lower 1.5m (740.4- 741.9)	1058	739.0	740.4	1.4	1	.03	.011	.009	3
		- sulphides as stringers, bands and dissemination	1059	740.4	741.9	1.5	15	Tr	.011	.010	10
741.9	780.52	Quartz eye tuff-	1060	741.9	743.4	1.5	1		80		5
		- % quartz eyes up to 20- 25% (normal)	1061	743.4	744.9	1.5	1		20		70
		- silicification present but no complete silicification	1062	744.9	746.4	1.5	Tr		15		10
		of rock	1063	746.4	747.9	1.5	Tr		10		5
		- decrease in degree & volume of chloritization	1064	747.9	749.4	1.5	Tr		«5		7
		- sulphide content drops rapidly to Tr- 1%	1065	749.4	750.9	1.5	1		«5		5
			1066	750.9	752.4	1.5	Tr		5		7
		743- 748.4: Quartz vein zone:	1067	752.4	753.9	1.5	Tr		«5		3
		-consists of 30% Bull white quartz	1088	753.9	755.7	1.8			45		-
		veins 3- 10cm wide with occasional	1089	755.7	757.1	1.4			50		5
		carbonate selvages (35° to C.A.)	1090	757.1	759.0	1.9			45		3

LF H-2323

JOURNAL DE SONDAGES

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne
AX: EX:
AQ:

No 90-A-1 W-5

Feuille No 20 de _____

De _____ à _____

Profondeur totale: _____

Journal: S.B. Sopatka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	À	Long.	% Pv est.	% po. est.	Au. oz. T ppb	Vérif.	Veine%
		752.0- 757.0: Patchy chloritic alteration zone									
		-consists of .5- .7m wide chloritized zones	1091	759	760.5	1.5			10		5
		separated by zone not chloritized	1092	760.5	762.0	1.5			10		1
		-chloritic patches minor beyond 757.0	1093	762.0	763.5	1.5			150		-
			1094	763.5	765.0	1.5			5		5
		759: Quartz vein 30cm 15° to C.A.	1095	765.0	766.5	1.5			10		3
			1096	766.5	768.0	1.5			20		4
		772.5- 777.0: Sericitized zone as S_1 parallel slips	1097	768.0	769.5	1.5			15		3
		developing to pervasive alteration	1098	769.5	771	1.5			25		5
			1099	771	772.5	1.5			75		10
			1100	772.5	774.0	1.5			«5		-
780.52	846.17	Quartz Porphyry Dyke	1101	774	775.5	1.5			30		4
		-Coarse grained intrusive consisting of rounded quartz	1102	775.5	777	1.5			25		5
		crystals and sub-angular feldspar crystals, occasional	1103	777	778.5	1.5			10		7
		grains of pyrite and minor chlorite grains	1104	778.5	780	1.5			5		-
			1105	780	780.52	0.52			10		10
		Veining consists of:	1106	780.52	781.5	0.98			10		-
		-white bull quartz (3-4cm) at various	1107	783	784.4	1.4			5		-
		core axis angles from 0 to 70°	1108	790.54	791.9	1.5			5		1
		concentrated at 790- 793	1109	796	797.5	1.5			10		-
			1110	802	803.5	1.5			5		-
		-Quartz carbonate veins predominantly at	1111	805.9	807.4	1.5			45		3
		25° to C.A.	1112	812.4	814.1	1.7			15		-

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MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A-1 W-5

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 21 de _____

De _____ à _____

Profondeur totale: _____

Journal: S.B. Sopatha

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T ppb	Vérif.	Veins%
		No particular sulphide concentrations									
			1113	820	821.5	1.5			40		
			1114	826.5	828	1.5			5		
			1115	832.5	834	1.5			5		
			1116	838	839.5	1.5			10		
			1117	843.2	844.7	1.5			5		
			1118	844.7	846.2	1.5			15		
846.17	847.0	Felsic Fragmental					Core	Pulp	Reject		
		-consists of non-porphyritic felsic fragments	1068	846.2	847.0	0.80	2	.004	.006	.006	40
		in a quartz flooded to quartz stringer matrix									
		-stringer and disseminated pyrite associated									
		with quartz matrix (veins) and stringer (2%)									
		-chlorite associated with quartz matrix									
		-fragments are foliated & sericitized and									
		contain some quartz-pyrite stringers									
		846.7- 846.9: Quartz Flooding Zone									
		-consists of smokey quartz veins 30° to C.A. and									
		white quartz veins 30- 40° to C.A. (opposite sense)									
		-sulphides (1%) disseminated throughout									
		846.9- 847.0: Silicified lapillae or Fragmental Tuff									
		with 3% pyrite disseminations									

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MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A-1 W-5

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 22 de _____

De _____ à _____

Profondeur totale: _____

Journal: S.B. Spurka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T Core	ppb Pulp	Vérif. Reject	Vein %
847.0	847.73	Banded non porphyritic felsic tuff and rhyolite										
		-possibly larger fragments of unit above	1069	847.0	847.9	0.90	2		.002	.013	.008	3
		-some fragments or bands have Q.F.P.										
		textures										
		-chloritization as patches, silicification pervasive										
		-sulphide (pyrite) stringer, bands and disseminations										
847.73	851.75	Felsic fragmental (Breccia?)	1070	847.9	848.95	1.05	3	Tr	.001	.002		10
		-rhyolite fragments and Q.F.P. Dyke textured	1071	848.95	850.0	1.05	5	Tr	«.001	«.001		3
		fragments in a chloritic, siliceous matrix	1072	850.0	851.0	1.0	4	.002	.003	.002		5
		-sulphides (4% pyrite) as disseminations in	1073	851.0	851.8	0.8	4	Tr	.002	.002		1
		chloritic matrix (2%), stringers in matrix (1%)										
		and selvages on quartz veins (1%)										
		847.9- 850.4: Strongly chloritized zones										
		851.06- 851.5: '' '' ''										
851.75	853.18	Quartz feldspar porphyry Dyke	1074	851.8	853.18	1.38	Tr	Tr	.001	.002		1
		-as 780.52- 846.17										
		-coarse grained										
		-upper contact sharp at 30° to C.A.										
		-lower contact sharp at 50° to C.A.										
		852.35- 852.95: Sericitized										
		-sulphides present as blebs (trace)										

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MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A-1 W-5

Feuille No 23 de _____

De _____ à _____

Profondeur totale: _____

Journal: J.B. Sopata

Date: _____

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne AX: EX: AQ:

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est. Core	Au. oz. T Pulp	Vérif. Reject	%Vein
853.18	853.53	Semi-massive pyrite zone									
		-blebs and bands of fine to medium grained	1075	853.18	853.53	.35	65%	.004	.007	.004	-
		pyrite in a quartz-chlorite matrix									
		-lower contact wavy at approx. 55° to C.A.									
									Au(ppb)		
853.83	862.45	Quartz feldspar Porphyry as in 851.75- 853.18	1119	853.83	856	2.17	-		75		-
			1120	856	857.5	1.5	-		5		2
862.45	863.17	Quartz porphyry dyke	1121	857.5	859	1.5	-		«5		-
		-feldspar grains disappear similar to dykes	1122	859	860.5	1.5	Tr		10		3
		previously encountered in drilling in the area	1123	860.5	862	1.5	Tr		15		4
		sharp lower contact at 60° to C.A.	1124	862	863.17	1.17	Tr		10		3
			1125	863.17	865.10	1.93	3		55		15
863.17	867.16	Graphite breccia	1126	865.10	866.10	1.0	4		30		10
		-massive ground graphite with minor	1127	866.10	867.10	1.0	10		70		15
		pyrite nodules and masses 1-3cm and	1128	867.10	868.10	1.0	15		30		20
		brecciated quartz vein fragments	1129	868.10	869.10	1.0	15		105		10
			1130	869.10	870.60	1.5	10		120		2
867.16	869.60	Sheared Nodular pyrite graphite Horizon	1131	870.60	872.10	1.5	7		115		4
		with minor quartz veining	1132	872.10	873.60	1.5	5		115		3
			1133	873.60	875.40	1.2	10		165		3
869.60	877.21	Nodular pyritic graphite horizon massive	1134	875.40	877.21	1.82	20		100		-
	877.21	End of hole									

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HOLE 90-A-2

ORIENTATION TEST RESULTS

DEPTH (m)		AZIMUTH	DIP
000.00		030	-83
017.98		---	-82.5
071.32		018	-83
138.68		002	-85
163.07		---	-79.5
173.74		---	-79
204.22		010	-78
225.55		---	-77
278.59		004	-76
329.19		---	-71
358.14		006	-69
359.66	EOH	AZIMUTH AND SLIGHT DIP CORRECTION REQUIRED	

WEDGE # 1 AT 356.31 (AZIMUTH WEDGE, RIGHT; WITH SLIGHT DIP, DOWN)

373.99		012.5	-66
418.19		007.5	-64
419.71	EOH	AZIMUTH CORRECTION REQUIRED	

WEDGE # 2 AT 416.35 (AZIMUTH WEDGE, RIGHT)

443.79		013.5	-61
481.28		---	-58.5
501.09		012.5	-56.5
503.22	EOH	AZIMUTH CORRECTION REQUIRED	

WEDGE # 3 AT 498.65 (AZIMUTH WEDGE,RIGHT ; WITH DIP WEDGE DOWN; BULLNOSE 40 FEET.)

520.9		016	-53
543.74		016	-46
545.29	EOH		

WEDGE # 4 AT 542.24 (AZIMUTH RIGHT;DIP DOWN)

569.98		015.5	-43
571.50	EOH	AZIMUTH CORRECTION REQUIRED	

WEDGE # 5 AT 568.45 (AZIMUTH RIGHT)
BULLNOSE BIT DRILLED INTO WEDGE.

WEDGE # 6 AT 562.66 (AZIMUTH RIGHT)

603.2		330.5	-42 (?)
609.3	EOH	HOLE STOPPED DUE TO EXTREME DEVIATION OVERSHOT COULD NOT DECEND.	

WEDGE # 7 AT 535.23 (AZIMUTH RIGHT)

555.95		018	-45
598.62		016.5	-37
629.11		016	-36
680.92		015	-27
703.78		---	-25
740.36		---	-23
789.13		---	-21
809.55	TROPARI DID NOT REACH BOTTOM		
810.16		---	-19
810.16	EOH		

S B Spratt

LIGHT-LOG BORE-HOLE CO-ORD. PROGRAM

AGNICO EAGLE MINES LTD.
EXPLORATION DIV.

TECHDEL INTERNATIONAL INC.
31 RIPLEY AVE. TORONTO
DATE:APRIL 6th 1990
OPERATOR:jgc DL

D.D.H.: 90-A-2

DOWN HOLE DEPTH Ft.	HEADING AZIMUTH DEGREES	HEADING INCLIN' DEGREES	LOCATION NORTHING FEET	LOCATION EASTING FEET	LOCATION ELEVATION FEET
	30.00	-84.00	0.000	0.000	0.000
10	29.50	-83.40	1.000	0.566	-9.934
20	29.30	-83.20	2.033	1.145	-19.863
30	29.20	-83.20	3.067	1.723	-29.793
40	29.20	-83.20	4.100	2.301	-39.723
50	29.20	-83.30	5.119	2.870	-49.654
60	29.00	-83.30	6.139	3.436	-59.586
70	29.10	-83.30	7.158	4.003	-69.518
80	29.10	-83.40	8.163	4.562	-79.452
90	28.90	-83.60	9.139	5.101	-89.389
100	28.80	-83.70	10.100	5.629	-99.329
110	28.80	-83.80	11.047	6.150	-109.270
120	28.80	-83.80	11.993	6.670	-119.212
130	28.70	-83.80	12.940	7.189	-129.153
140	28.60	-83.80	13.889	7.706	-139.095
150	28.40	-83.90	14.823	8.211	-149.038
160	28.30	-83.90	15.759	8.715	-158.982
170	28.30	-83.90	16.695	9.218	-168.925
180	28.30	-83.70	17.661	9.739	-178.865
190	28.20	-83.60	18.643	10.265	-188.802
200	28.10	-83.50	19.642	10.799	-198.738
210	28.10	-83.40	20.656	11.340	-208.672
220	28.10	-83.40	21.669	11.881	-218.605
230	28.00	-83.30	22.700	12.429	-228.537
240	27.90	-83.20	23.746	12.983	-238.467
250	27.80	-83.10	24.809	13.544	-248.394
260	27.70	-83.20	25.857	14.094	-258.324
270	27.70	-83.20	26.905	14.644	-268.254
280	27.60	-83.00	27.985	15.209	-278.179
290	27.50	-82.90	29.082	15.780	-288.102
300	27.40	-82.70	30.210	16.364	-298.021
310	27.40	-82.60	31.353	16.957	-307.938
320	27.30	-82.50	32.513	17.556	-317.853
330	27.20	-82.40	33.690	18.160	-327.765
340	27.10	-82.30	34.882	18.771	-337.675
350	27.00	-82.30	36.076	19.379	-347.584
360	26.90	-82.20	37.286	19.993	-357.492
370	26.70	-82.10	38.514	20.611	-367.397
380	26.60	-82.00	39.759	21.234	-377.300
390	26.50	-81.90	41.020	21.862	-387.200
400	26.40	-81.70	42.313	22.504	-397.095
410	26.20	-81.50	43.639	23.157	-406.985
420	26.10	-81.30	44.997	23.822	-416.870
430	26.00	-81.10	46.388	24.501	-426.750
440	25.90	-80.90	47.811	25.191	-436.624
450	25.80	-80.70	49.266	25.895	-446.493
460	25.70	-80.60	50.737	26.603	-456.358
470	25.60	-80.50	52.226	27.316	-466.221
480	25.50	-80.40	53.731	28.034	-476.081

J B Sopata

490	25.40	-80.20	55.269	28.764	-485.935
500	25.50	-80.00	56.836	29.512	-495.783
510	25.60	-79.80	58.433	30.277	-505.625
520	25.70	-79.60	60.059	31.060	-515.461
530	25.60	-79.40	61.718	31.855	-525.290
540	25.70	-79.20	63.407	32.667	-535.113
550	25.60	-79.00	65.128	33.492	-544.929
560	25.50	-78.90	66.868	34.320	-554.742
570	25.60	-78.70	68.632	35.167	-564.548
580	25.70	-78.50	70.429	36.032	-574.348
590	25.60	-78.40	72.242	36.901	-584.143
600	25.70	-78.20	74.085	37.787	-593.932
610	25.90	-78.10	75.940	38.688	-603.717
620	26.00	-78.10	77.793	39.592	-613.502
630	25.90	-78.00	79.664	40.500	-623.284
640	26.00	-77.90	81.548	41.419	-633.062
650	25.90	-77.80	83.449	42.342	-642.836
660	25.80	-77.80	85.351	43.262	-652.610
670	25.90	-77.70	87.267	44.192	-662.380
680	25.80	-77.70	89.185	45.120	-672.151
690	25.70	-77.70	91.105	46.043	-681.921
700	25.70	-77.70	93.025	46.967	-691.692
710	25.80	-77.60	94.958	47.902	-701.458
720	25.80	-77.50	96.907	48.844	-711.221
730	25.90	-77.30	98.884	49.804	-720.977
740	25.90	-77.20	100.877	50.772	-730.728
750	25.80	-77.20	102.872	51.736	-740.480
760	25.70	-77.10	104.883	52.704	-750.227
770	25.60	-77.00	106.912	53.676	-759.971
780	25.60	-76.90	108.956	54.656	-769.711
790	25.50	-76.80	111.017	55.639	-779.447
800	25.40	-76.70	113.095	56.625	-789.178
810	25.50	-76.60	115.187	57.623	-798.906
820	25.50	-76.40	117.309	58.635	-808.626
830	25.40	-76.30	119.449	59.651	-818.341
840	25.50	-76.20	121.602	60.678	-828.053
850	25.50	-76.10	123.770	61.712	-837.760
860	25.50	-76.00	125.954	62.754	-847.463
870	25.40	-75.90	128.154	63.799	-857.161
880	25.30	-75.80	130.372	64.847	-866.856
890	25.20	-75.60	132.622	65.906	-876.542
900	25.20	-75.40	134.903	66.979	-886.219
910	25.20	-75.10	137.230	68.074	-895.883
920	25.00	-74.70	139.621	69.189	-905.528
930	24.80	-74.30	142.078	70.324	-915.155
940	24.70	-73.90	144.597	71.483	-924.763
950	24.50	-73.50	147.182	72.661	-934.351
960	24.40	-73.20	149.814	73.855	-943.924
970	24.30	-73.00	152.478	75.058	-953.487
980	24.30	-72.90	155.158	76.268	-963.045
990	24.20	-72.80	157.855	77.480	-972.598
1000	24.20	-72.70	160.568	78.699	-982.146
1010	24.10	-72.60	163.298	79.920	-991.688
1020	24.10	-72.40	166.058	81.155	-1001.220
1030	24.10	-72.20	168.848	82.403	-1010.741
1040	24.20	-72.00	171.667	83.670	-1020.252
1050	24.10	-71.80	174.518	84.945	-1029.752
1060	24.20	-71.60	177.397	86.239	-1039.240
1070	24.10	-71.30	180.324	87.549	-1048.712
1080	24.00	-71.10	183.283	88.866	-1058.173

S B Sopuerka

1090	24.00	-70.90	186.272	90.197	-1067.623
1100	23.90	-70.70	189.294	91.536	-1077.061
1110	23.70	-70.60	192.335	92.871	-1086.493
1120	23.80	-70.40	195.405	94.225	-1095.914
1130	23.80	-70.20	198.504	95.592	-1105.322
1140	23.80	-69.50	201.708	97.005	-1114.689
1150	23.90	-68.40	205.074	98.496	-1123.987
1160	24.00	-67.70	208.540	100.040	-1133.239
1170	24.10	-67.50	212.034	101.602	-1142.478
1180	24.10	-67.40	215.542	103.172	-1151.710
1190	24.10	-67.30	219.064	104.747	-1160.935
1200	24.00	-67.20	222.604	106.324	-1170.154
1210	23.90	-67.10	226.162	107.900	-1179.366
1220	23.80	-66.90	229.752	109.483	-1188.564
1230	23.80	-66.80	233.356	111.073	-1197.755
1240	23.70	-66.70	236.978	112.663	-1206.940
1250	23.80	-66.70	240.597	114.259	-1216.124
1260	23.90	-66.50	244.243	115.875	-1225.295
1270	24.00	-66.30	247.915	117.510	-1234.451
1280	24.10	-66.00	251.627	119.170	-1243.587
1290	24.00	-65.70	255.387	120.844	-1252.701
1300	24.00	-65.40	259.190	122.537	-1261.793
1310	24.00	-65.10	263.036	124.250	-1270.864
1320	24.00	-64.80	266.926	125.982	-1279.912
1330	24.20	-64.60	270.838	127.740	-1288.945
1340	25.00	-64.20	274.783	129.579	-1297.949
1350	25.20	-63.70	278.792	131.466	-1306.913
1360	25.20	-63.20	282.871	133.386	-1315.839
1370	25.10	-62.90	286.997	135.318	-1324.741
1380	25.00	-62.70	291.153	137.256	-1333.628
1390	25.00	-62.50	295.338	139.208	-1342.498
1400	25.00	-62.40	299.537	141.166	-1351.360
1410	25.10	-62.20	303.761	143.144	-1360.205
1420	25.10	-62.00	308.012	145.136	-1369.035
1430	25.10	-61.90	312.277	147.134	-1377.856
1440	25.20	-61.70	316.567	149.152	-1386.661
1450	25.20	-61.50	320.885	151.184	-1395.449
1460	25.20	-61.30	325.230	153.229	-1404.221
1470	25.30	-61.10	329.599	155.294	-1412.975
1480	25.30	-60.90	333.996	157.372	-1421.713
1490	25.10	-60.70	338.428	159.448	-1430.434
1500	25.00	-60.50	342.890	161.529	-1439.137
1510	24.90	-60.30	347.384	163.615	-1447.824
1520	24.90	-59.90	351.933	165.727	-1456.475
1530	25.00	-59.70	356.506	167.859	-1465.109
1540	25.20	-59.50	361.098	170.020	-1473.725
1550	25.30	-59.00	365.755	172.221	-1482.297
1560	25.50	-58.30	370.498	174.483	-1490.805
1570	25.70	-57.70	375.312	176.801	-1499.258
1580	25.70	-57.30	380.180	179.143	-1507.673
1590	25.60	-57.10	385.079	181.490	-1516.069
1600	25.80	-57.10	389.969	183.854	-1524.465
1610	26.90	-56.70	394.865	186.338	-1532.823
1620	27.50	-55.90	399.838	188.927	-1541.104
1630	27.90	-55.00	404.907	191.611	-1549.295
1640	28.00	-54.40	410.047	194.344	-1557.426
1650	28.00	-54.30	415.200	197.084	-1565.547
1660	27.90	-53.90	420.407	199.841	-1573.627
1670	27.90	-52.80	425.750	202.670	-1581.592
1680	28.00	-51.90	431.198	205.567	-1589.462

S L Sopata

1690	28.20	-51.40	436.696	208.515	-1597.277
1700	28.30	-50.70	442.273	211.517	-1605.015
1710	28.40	-49.80	447.951	214.587	-1612.653
1720	28.90	-49.20	453.671	217.745	-1620.223
1730	29.40	-48.80	459.410	220.979	-1627.747
1740	29.40	-48.00	465.240	224.264	-1635.179
1750	29.20	-47.20	471.171	227.578	-1642.516
1760	29.20	-46.70	477.157	230.924	-1649.794
1770	29.10	-46.40	483.183	234.278	-1657.036
1780	29.20	-45.90	489.258	237.673	-1664.217
1790	29.20	-45.40	495.387	241.099	-1671.337
1800	29.30	-44.90	501.564	244.565	-1678.396
1810	29.40	-44.40	507.789	248.072	-1685.393
1820	29.40	-43.80	514.077	251.616	-1692.314
1830	29.30	-42.90	520.465	255.201	-1699.121
1840	29.10	-42.20	526.938	258.803	-1705.838
1850	28.90	-41.40	533.505	262.429	-1712.451
1860	28.60	-40.60	540.171	266.063	-1718.959
1870	28.70	-40.10	546.881	269.736	-1725.400
1880	28.70	-39.70	553.629	273.431	-1731.788
1890	28.70	-39.30	560.417	277.147	-1738.122
1900	28.80	-38.90	567.237	280.897	-1744.402
1910	28.70	-38.70	574.083	284.644	-1750.654
1920	28.80	-38.40	580.950	288.420	-1756.865
1930	28.90	-38.10	587.839	292.223	-1763.036
1940	29.00	-37.80	594.750	296.054	-1769.165
1950	29.00	-37.60	601.680	299.895	-1775.266
1960	29.10	-37.40	608.621	303.758	-1781.340
1970	29.20	-37.10	615.583	307.649	-1787.372
1980	29.30	-36.90	622.557	311.563	-1793.376
1990	29.30	-36.70	629.549	315.487	-1799.353
2000	29.40	-36.50	636.553	319.433	-1805.301
2010	29.40	-36.20	643.583	323.394	-1811.207
2020	29.40	-35.80	650.649	327.376	-1817.057
2030	29.50	-35.70	657.717	331.375	-1822.892
2040	29.70	-35.40	664.798	335.413	-1828.685
2050	29.80	-35.00	671.906	339.484	-1834.420
2060	29.70	-34.60	679.056	343.563	-1840.099
2070	29.80	-34.30	686.224	347.668	-1845.734
2080	29.70	-33.90	693.434	351.781	-1851.312
2090	29.40	-33.50	700.699	355.874	-1856.831
2100	29.30	-33.00	708.013	359.978	-1862.277
2110	29.30	-32.30	715.384	364.115	-1867.621
2120	29.20	-31.60	722.819	368.270	-1872.861
2130	29.10	-30.90	730.317	372.443	-1877.996
2140	29.20	-30.30	737.853	376.655	-1883.041
2150	29.30	-29.80	745.421	380.902	-1888.011
2160	29.40	-29.30	753.019	385.183	-1892.905
2170	29.40	-28.80	760.653	389.485	-1897.723
2180	29.50	-28.10	768.331	393.829	-1902.433
2190	29.60	-27.60	776.036	398.206	-1907.066
2200	29.70	-27.40	783.748	402.605	-1911.668
2210	29.80	-27.20	791.466	407.025	-1916.239
2220	29.90	-26.90	799.197	411.471	-1920.763
2230	30.00	-26.60	806.941	415.941	-1925.241
2240	30.10	-26.50	814.683	420.429	-1929.703
2250	30.20	-26.30	822.431	424.939	-1934.133
2260	30.30	-26.20	830.178	429.466	-1938.548
2270	30.40	-26.00	837.930	434.014	-1942.932

S B Sopata

JOURNAL DE SONDAGES

No 90-A-2

Projet : Valrennes ACE | Ligne : 7+01W | Ord. : | Profondeur : See separate sheets for

Claim : | Section : 4+22.6S | Ord. : | Plongée : Tropari & Acid tests and

Canton : Valrennes | Lat. : | Long. : | Azimut : Light Log survey of hole.

Rang : | Elévation Orifice: | Commencé le : 15 March 1990

Lot : | Azimut: 030° | Terminé le : 10 April 1990

N.T.S. : 32E 09 | Niveau: -83° | Entrepreneur : N. Morissette Canada Inc.

Couronne AX: EX: AQ:

Feuille No 1 de

De à

Profondeur totale: 810.16m

Journal: Stefan B. Lopatka

Date: S.B. Lopatka

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	A	Long.	ANALYSES % Pv est.	% po. est.	Au. oz. T	Vérif.
0	12.5	Casing- left in hole making water to surface								
12.5	250.55	Argillite & Greywacke- interbedded								
		- predominantly fine massive argillite with coarse greywacke								
		beds over 10-20 m lengths								
		- minor interbeds of felsic tuff and lapillae tuff, increasing								
		in volume down hole								
		- argillite generally light to dark grey banded fine grained								
		- greywacke consists of fine quartz and dark mafic grains								
		- felsic tuffs contain predominantly shards with minor crystal								
		component								
		- entire sequence shows variable schistosity development general-								
		ly at 5° to 10° to bedding (banding) plane with variable								
		rotation with respect to S° (0-70°) suggests folding or								
		slumping of S_o								
		- no slumping features seen								
		- alteration variable in intensity; predominantly weakly sili-								
		cified at top, to more chloritic than sericitic to w and								
		bottom								
		- Quartz veining mineralogy: 3 types								
		a) Bull Quartz +/- carbonate usually as selvages (more common								
		in upper section)								

JOURNAL DE SONDAGES

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne
AX: EX:
AQ:

No 90-A-2

Feuille No 2 de _____

De _____ à _____

Profondeur totale: _____

Journal: JB Lapathe

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	A	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T (ppb)	Vérif.
		b) Quartz + carbonate +/- chlorite section with chlorite								
		selvage occasionally bounded by sericitic slips								
		c) Quartz + dolomite (Ankerite) intermixed with predominant								
		quartz component (more common in lower sections)								
		- Morphology:								
		: contacts generally irregular in all types								
		: Type A & C generally larger (30cm) and show -45° -90°								
		TCA								
		: Type B smaller («15cm) and are subparallel to S_o & S_1								
		Sulphides: very limited pyrite rarely trace to 1% in quartz								
		carbonate & quartz dolomite veins								
		12.5- 100.28: Argillite, weakly banded to massive, weakly sili-								
		cified.								
		38.4- 39.47: Quartz-carbonate vein with chloritic selvage	1076	38.1	39.62	1.5	Tr		10	
		containing Tr- 1% Pyrite cubes. Contacts at 50° TCA								
		42.4: Quartz carbonate vein 15cm								
		70° TCA no alteration associated								
		49.53- 51.36: Quartz carbonate vein	1077	49.83	51.36	1.53	-		15	

LF H-2323

MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A-2

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne AX: EX: AQ:

Feuille No 3 de _____

De _____ à _____

Profondeur totale: _____

Journal: _____

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	A	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
		40° TCA Upper contact									
		Irregular lower contact with minor bleaching, negligeable									
		alteration									
		55.8: Quartz-carbonate vein	1078	55.47	57.0	1.53	-		30		
		Irregular upper contact									
		Lower contact: 25° TCA									
		negligible alteration									
		62.8- 72.0: Quartz-carbonate Vein Zone	1079	62.79	64.31	1.52	-		35		
		Series of cm size Quartz-carbonate veins at 0- 5°	1080	64.31	65.84	1.53	-		35		
		TCA with minor sericitic treads or veinlets within	1081	65.84	67.36	1.52	-		5		
		quartz vein at 60° TCA	1082	67.36	68.88	1.52	-		25		
		negligeable alteration	1083	68.88	70.41	1.53	-		35		
			1084	70.41	71.93	1.52	-		110		
		91.7- 100.28: Siltstone argillite strongly chloritized	1085	91.74	93.27	1.53	-		«5		55
		Series of small irregular Quartz-carbonate veins from 10° to	1086	93.27	94.79	1.52	-		«5		20
		90° TCA; larger veins in upper 3m	1087	94.79	96.32	1.53	-		«5		30
			1135	96.32	97.23	0.9	-		«5		5
			1136	97.23	98.76	1.53	-		«5		20
			1137	98.76	100.28	1.52	-		«5		15

LF H-2323

MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A-2

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 4 de _____

De _____ à _____

Profondeur totale: _____

Journal: S.B. Sopaskee

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	À	Long.	% Pv est. % po. est.	Au. oz. T (ppb)	Vérif.	%VEIN
		100.28- 112.17: Banded Argillite/siltstone with occasional								
		larger lensoid or stretched grains long axis at 10° TCA	1138	100.28	101.80	1.52	-	«5		25
		15- 20% Quartz-carbonate veins. Veins at 10°, 60° & 90°	1139	101.80	103.33	1.53	-	«5		15
		TCA.	1140	103.33	104.55	1.22	-	«5		10
		-Chloritic alteration disappears	1141	104.55	106.38	1.83	-	«5		35
			1142	106.38	107.90	1.52	-	«5		30
			1143	107.90	109.42	1.52	-	«5		10
			1144	109.42	110.95	1.53	-	«5		40
			1145	110.95	112.17	1.52	-	«5		35
		112.17- 124.57: Argillite with minor Tuffaceous Sediment								
		interlayers, predominantly between 120- 123	1146	116.43	117.96	1.53	-	«5		20
		Sericitic alteration common	1147	117.96	119.48	1.52	-	«5		50
		116.74- 121.31: Quartz-carbonate- chlorite vein zone (breccia)	1148	119.48	121.01	1.53	-	«5		40
		consists of Quartz-carbonate chlorite veins with sericitic								
		selvages. S_o shows variable rotation within zone suggesting								
		brecciation								
		120- 123: Tuffaceous sediment; mix quartz grain & siltstone in								
		tuffaceous matrix								
		124.57- 155.09: Banded Argillite with Tuffaceous layers	1149	130.76	132.28	1.52	-	«5		10
		Banding (20° TCA) consists of alternating cm wide dark green-	1150	137.16	138.68	1.52	-	«5		15
		beige to dark- grey- grey layers with moderately sharp	1151	146.91	148.13	1.22	-	«5		20
		contacts	1152	150.88	152.40	1.52	-	«5		40

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MINES AGNICO EAGLE LTEE

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Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 5 de _____

De _____ à _____

Profondeur totale: _____

Journal: SB Sopatka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	À	Long.	% Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
		30% irregular Quartz veins parallel to S_o and Quartz-									
		carbonate-chlorite veins with sericitic selvage (perdomi-	1153	154.23	155.75	1.52	-		«5		50
		nant)									
		155.09- 164.81: Tuffaceous to lapillae tuff band with rhyolitic									
		fragments in top 3m									
		164.81- 250.55: Banded Argillite with occasional tuffaceous									
		to greywacke seams									
		177.1- 180.14: 20% quartz carbonate veins with chloritic	1154	177.09	178.61	1.52	-		«5		10
		and sericitic selvage. Irregular contacts	1155	178.61	180.14	1.53	-		«5		40
			1156	180.14	181.66	1.52	-		«5		30
		184.7- 188.06: Quartz Veins Zone 30%; Quartz veins with	1157	185.01	186.54	1.53	-		«5		30
		carbonate selvage minor sericitic slips	1158	186.54	188.06	1.52	-		«5		30
		20° TCA contacts									
		188.06- 189.3: Tuffaceous- greywacke band sericitically									
		altered									
		188.06- 192.01: Sericitic alteration	1159	189.89	191.41	1.52	-		«5		20
		189.9- 191.4: Quartz vein at 20° TCA									
		198.- 201.: Chloritic alteration	1160	198.73	200.25	1.52	-		«5		60
		199.64- 201.2: 55% Quartz-dolomite- sericite vein	1161	200.25	201.78	1.53	-		«5		55
		with chloritic selvages, 20° TCA									

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Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne
AX: EX:
AQ:

Feuille No 6 de _____

De _____ à _____

Profondeur totale: _____

Journal: SB Lapalme

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	A	Long.	ANALYSES % Pv est.	% po. est.	Au. oz. T / Ppb	Vérif.	%Vein
		215- 220.3: Sericitic alteration zone									
		- 1-2cm ptygmatically folded quartz veins (5%) parallel to	1162	214.88	216.41	1.53	-		«5		5
		S_1= 15- 20° S_o= 10-15° no rotation	1163	216.41	217.93	1.52	-		«5		3
			1164	217.93	219.46	1.53	-		«5		7
			1165	219.46	220.98	1.52	-		«5		5
		222.2 Quartz-dolomite vein 15cm at 70° TCA	1166	220.98	221.89	0.91	-		«5		2
		-no significant alteration	1167	221.89	222.81	0.92	-		«5		20
			1168	228.30	229.82	1.52	1		«5		7
		229.2- 230.3: Series of cm size Quartz-dolomite veins;									
		-boudinaged and folded. Parallel to S_1= 20°									
		-1% pyrite blebs									
		236.83- 241.71 Sericitic alteration of banded argillite	1169	236.83	238.05	1.22	Tr		«5		15
		S_1= 17° with 70° rotation to S_o	1170	238.05	239.57	1.52	-		15		15
			1171	239.57	241.10	1.53	-		15		2
		241.71- 245.06: Quartz dolomite vein zone									
		-consists of small cm size S_o parallel veins with central	1172	241.10	242.32	1.22	-		«5		10
		larger vein at 243.93- 244.45 in strongly chloritized	1173	242.32	243.84	1.52	-		«5		15
		sediments, followed by 30cm of quartz stringer network	1174	243.84	245.36	1.52	-		«5		50
			1175	245.36	246.89	1.53	-		«5		15
		245.36- 248.7: Quartz stringer zone with central 30cm quartz									
		vein at 245.97									
		- Strong sericitic banding									

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Rang : _____ Elévation Orifice: _____ Commencé le : _____

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Feuille No 7 de _____

De _____ à _____

Profondeur totale: _____

Journal: SB Spathis

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Pv est.	% po. est.	Au. oz. T (ppb)	Vérif.	%VEIN
250.24	250.85	Contact zone between argillite and basalt									
		-sharp contact of sediment with bleached zone at 250.27	1176	249.94	251.46	1.52	Tr		«5		2
		trending 17° TCA									
		-followed by Quartz veins and sericitic slip altered zone									
		-distinguishable basalts starts at 250.85									
250.85	739.40	Basalt									
		-petrology, texture & morphology same as basalt in Hole 90-A-1									
		-consists of 3 phase									
		a) Chloritic Amygdular Basalt (predominant phase)									
		-stretched chloritic patches (amygdules) in mafic volcanic									
		-% amygdules variable from 5% to 30%									
		b) Feldspar porphyritic basalt									
		-generally massive to slightly foliated with millimetric									
		feldspar phenocrysts									
		c) Massive Basalt (Minor Phase)									
		-massive fine grained mafic volcanic									
		-usually exhibits some hematization									
		Alteration types same as in Hole 90-A-1									
		-Hematite as pervasive alteration usually accompanies some									
		silicification, most common to massive and porphyritic phase.									
		Also occurs as staining of Quartz veins									

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Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ _____ _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 8 de _____

De _____ à _____

Profondeur totale: _____

Journal: SBSpathon

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%VEIN
		-Sericite as concentration along S1 slip planes to pervasive									
		alteration and massive sericitization associate with vein									
		selvages									
		-Silicification as pervasive moderate to weak alteration									
		associated with hematization									
		Quartz veining 4 principal mineralogical types									
		1) Quartz +/- hematite									
		2) Quartz-carbonate +/- chlorite +/- sericite									
		3) Quartz- calcite									
		4) Quartz- sericite- carbonate									
		250.85- 259.70: Strongly foliated S1= 30- 40° TCA									
		-sericitized and bleached	1177	256.03	257.56	1.53	Tr		«5		2
		-sericitic slips at 20° TCA 20° rotation from S1	1178	257.56	259.08	1.52	-		«5		4
		259.70- 268.22: Sericitic alteration weaken & disappears									
		-schistosity moderate and weakens down hole	1179	263.65	265.18	1.53	-		«5		-
		-S1 variable at 10- 30° TCA, S_2 rotated 30- 40° to S1									
		-Silicified banded zones (diffuse) creates zebra texture									
		warped by S_2 sericitic slips									

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Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 9 de _____

De _____ à _____

Profondeur totale: _____

Journal: S.B. Sopalla

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
		268.99- 269.44: Sericitized shear with central 5cm									
		quartz-carbonate-chlorite vein	1180	268.68	270.20	1.52	-		«5		5%
		269.75- 286.51: Porphyritic basalt: 20- 30% millimetric feldspar									
		phenocrysts in mafic volcanic. Amygdular texture disappears.	1181	276.45	277.98	1.53	-		«5		6
		Quartz veining as	1182	280.42	281.94	1.52	-		«5		2
		a) thin quartz veins at 40° and 10° TCA	1183	285.29	286.82	1.53	-		«5		3
		b) Large (30cm) quartz veins with carbonate selvages (277.43)									
		variable TCA angles									
		286.51- 289.56: Massive to slightly amygdular basalt									
		- hematization moderate									
		289.56- 357.71: Amygdular basalt	1184	292.61	294.13	1.52	-		«5		1
		289.56- 326.14: Schistosity increase with strongest section	1185	299.01	300.53	1.52	-		«5		20
		(shear zone) at 310.90- 315.77	1186	300.53	301.75	1.22	-		«5		2
		- shear zone chloritic alteration and slip planes	1187	310.90	312.42	1.52	-		«5		4
		299.92- 300.53: 40% quartz veining	1188	312.42	313.94	1.52	-		«5		4
			1189	313.94	315.47	1.53	-		«5		7
		310.90 End of Hematization	1190	320.04	321.56	1.52	-		«5		4
		269.75- 335.28: Core exhibits grainy texture possibly due to									
		moderate silicification									
		326.14- 330.71: Foliation weak but apparent	1191	326.14	327.66	1.52	-		«5		1

MINES AGNICO EAGLE LTÉE

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No 90-A-2

Feuille No 10 de _____

De _____ à _____

Profondeur totale: _____

Journal: S.B. Sopatka

Date: _____

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
		minor hematite stain									
		330.71- 352.65: Schistosity increases to maximum between	1192	333.63	335.40	1.77	-		«5		3
		344.42- 347.47 (Shear Zone)	1193	338.39	340.67	2.28	-		«5		4
		345.03- 346.25: Quartz vein zone	1194	343.36	344.88	1.52	-		«5		2
		-consists of 1-2cm boudinaged Quartz veins	1195	344.88	346.40	1.52	Tr		«5		6
		subparallel to S1 with 10° rotation S1: 37° TCA	1196	346.40	347.93	1.53	-		«5		1
		cut by hematitic slips at 40° TCA	1197	347.93	349.45	1.52	-		«5		5
		338.63- 340.19: Sericitized zone with hematitic stai-									
		ned S_2 crenulation cleavage									
		352.65- 357.71: Less foliated S1 apparent at 40° TCA	1198	356.01	357.53	1.52			80		2
		chloritic clots less elongated									
		357.71- 359.66: Porphyritic Phase									
		359.66: End of Hole Wedge # 1 placed for azimuth deviation									
		correction.									

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Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

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Feuille No 11 de _____

De _____ à _____

Profondeur totale: _____

Journal: S.B. Lapointe

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T ppb	Vérif.	%vein
356.31	419.71	Wedge # 1 Azimuth correction to the right (S.E.)									
		356.31- 357.83: Chlorite Amygdule Basalt									
		-massive unfoliated with rounded 3-5mm amygdules or chloritic clots									
		-slight bleaching in section									
		-minor Quartz Veins with hematitic stain									
		357.83- 362.41: Feldspar porphyritic Basalt									
		-minor quartz-carbonate veins									
		362.41- 371.37: Chlorite Amygdule Basalt									
		-foliation increasing downhole									
			1199	363.47	365.0	1.53	-		5		15
		363.02- 367.89: Sheared moderately									
		- felsic segragates give stripped texture									
		364.48- 364.84· quartz-carbonate-chlorite vein zone	1200	366.98	368.50	1.52	-		«5		4
		(80% veining)									
		367.89- 371.37: more massive amygdular basalt with increasing chloritization									
		371.37- 371.70: Feldspar Porphyritic Phase									
		-sheared over 15cm with Quartz vein									

MINES AGNICO EAGLE LTÉE

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Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

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De _____ à _____

Profondeur totale: _____

Journal: L B Sopuszka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T (ppb)	Vérif	% Vein
		371.70- 391.97: Chlorite Amygdular Basalt									
		-massive with less amygdules than previous section	1201	371.55	373.08	1.53	-		«5		3
		-hematization ends	1202	377.34	378.87	1.53	-		10		3
		-3 principal veining directions (20°, 50° & 80° TCA)	1203	380.70	382.22	1.52	-		«5		5
		showing various cross-cutting relationships	1204	386.79	388.32	1.53	-		«5		4
			1205	394.41	395.94	1.53	-		«5		4
		391.97- 405.99: Chlorite Amygdular Basalt (Foliated)									
		397.95- 402.03: Quartz vein zone	1206	397.46	398.98	1.52	-		«5		17
		-consists of 3 veins of white quartz with	1207	398.98	400.51	1.53	-		5		10
		grey quartz-carbonate+/- chlorite selvage	1208	400.51	402.03	1.52	-		«5		15
			1209	403.56	405.08	1.52	-		«5		3
		405.99- 408.43: Feldspar Porphyritic Phase									
		-massive									
		-minor white quartz veins, mm to 1cm size, at 25° & 65°									
		TCA									
			1210	409.65	411.18	1.53	-		«5		«1
		408.43- 419.71: Chlorite Amygdule Basalt (massive)	1211	415.75	417.27	1.52	Tr		«5		1
		-minor quartz veins 2-4mm 25 & 65° TCA Tr. pyrite									
		419.71: End of Hole Wedge to correct Azimuth deviation.									

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Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

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Feuille No 13 de _____

De _____ à _____

Profondeur totale: _____

Journal: S.B. Sparks

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
416.36	503.22	Wedge #2 Azimuth correction wedge to right (S.E.)									
		416.36- 460.25: Chlorite amygdular basalt	1212	418.19	419.71	1.52	-		«5		1
		-massive to very weakly foliated (S_1= 40° TCA)	1213	422.76	424.28	1.52	Tr		140		3
		-minor quartz veining 40- 50° TCA	1214	432.51	434.04	1.53	-		«5		3
		422.45- 423.67: minor bleaching	1215	434.04	435.56	1.52	-		«5		2
			1216	441.66	443.18	1.52	-		«5		2
		450.34- 451.20: Shear Zone- schistosity at 30° TCA	1217	450.19	451.71	1.52	-		«5		5
		450.89: Quartz-hematite-carbonate vein with sericitic	1218	451.71	453.24	1.53	-		«5		4
		selvage (2 cm)									
		452.32: 3cm quartz-hematite-carbonate vein,									
		upper 25° TCA, lower 50° TCA									
		460.25- 473.66: Foliated chlorite Amygdular Basalt	1219	461.47	462.99	1.52	-		«5		3
		S_1= 45° TCA	1220	462.99	464.52	1.53	Tr		130		10
		463.69- 464.03: Quartz-carbonate-chlorite vein with sericitic	1221	467.44	469.0	1.56	Tr		30		7
		alteration of host (20cm). Tr- 1% fine disseminated	1222	472.14	473.66	1.52	-		«5		8
		pyrite in chloritic section.									
		473.66- 480.06: Massive Basalt									
		478.23: Conjugates quartz vein set at 30° TCA	1223	478.23	479.76	1.53	-		«5		5
		reversed, minor Hematite in vein									

MINES AGNICO EAGLE LTÉE

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Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

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Feuille No 14 de _____

De _____ à _____

Profondeur totale: _____

Journal: S.B. Lapalme

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz/T (ppb)	Vérif	%Vein
		480.06- 487.98: Foliated chlorite Amygdular Basalt									
		-foliation intensity increased symmetrically about central									
		shear	1224	484.02	485.55	1.52	-		«5		6%
		481.28- 481.89: Hematized									
		484.08- 485.09: Shear Zone S1= 40° TCA									
		15% Quartz carbonate Veins parallel to S1,									
		minor sericite and hematite associated with									
		veining									
		487.98- 492.56: Massive Basalts with minor Amygdules									
		489.30- 490.51: Quartz vein zone	1225	488.90	490.42	1.52	-		«5		10
		-series of 2-4cm quartz veins with carbonate									
		and hematite rims	1226	490.42	491.95	1.53	-		«5		5
		-irregular contacts at roughly 25° TCA									
		-contact diffuse	1227	491.95	493.47	1.52	-		«5		15
		491.64 Vuggy Quartz-carbonate vein conjugate set at 20° &									
		30° TCA									
		492.25 Quartz Carbonate Vein set similar to above									
		492.56- 503.22: Sheared Chlorite Amygdular Basalt									
		-contains several strongly hematized zones associated with									
		complex quartz-carbonate veins	1228	493.47	495.0	1.53	-		«5		5

MINES AGNICO EAGLE LTÉE

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Rang : _____ Elévation Orifice: _____ Commencé le : _____

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N.T.S. : _____ Niveau: _____ Entrepreneur : _____

No 90-A-2 W-2

Feuille No 15 de _____

De _____ à _____

Profondeur totale: _____

Journal: S.B. Sopatha

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	À	Long.	% Pv est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
		494.93: 4cm Quartz-carbonate-chlorite hematite vein									
		From 497.74: Schistosity increases. 40- 45° TCA	1229	498.04	499.57	1.53	-		«5		4
		497.74- 498.96: Sericitic slips develope	1230	499.57	501.09	1.52	-		«5		20
		498.41- 498.96: Thin (.5cm) Quartz- carbonate vein with	1231	501.09	502.62	1.53	-		«5		6
		3cm hematite stain. Vein trends 0° TCA.	1232	502.62	503.22	0.60	-		10		80
		500.24- 500.94: 2-3cm Quartz carbonate hematite veins									
		with minor chlorite. Veins have hematitic rind									
		5- 15° TCA									
		502.37- 503.04: Complex vein similar to above. 0-5° TCA									
		503.22 End of Hole Wedge to correct Azimuth deviation									

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No 90-A-2 W- 3

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 16 de _____

De _____ à _____

Profondeur totale: _____

Journal: SBSpodar

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	À	Long.	% Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
498.35	545.29	Wedge #3 Azimuth deviation correction Wedge Right (S.E.)									
		498.35- 523.95: Schistose to sheared chlorite amygdule Basalt									
		-increasing shearing to sheared zone centered at 516.33									
		-several zones of quartz-carbonate veins with various rims									
		498.35- 498.96: 1.5cm Quartz-carbonate- chlorite Vein	1233	498.35	499.87	1.52	-		«5		5
		sub-parallel to core axis	1234	499.87	501.40	1.53	-		«5		4
		502.31: 2.5cm Quartz-carbonate-chlorite complex vein with									
		Hematite rim 25° TCA									
		509.93- 511.15: Bleached zone with central 3cm quartz vein	1235	509.63	511.15	1.52	-		5		5
		with strong chlorite rind	1236	513.28	514.81	1.53	-		10		5
		511.76- 512.37: Bleached zone	1237	514.81	515.42	0.61	-		«5		7
		513.28- 519.07: Shear Zone with Bleached Bands. Ptygmatic	1238	517.86	519.38	1.52	-		«5		2
		folded quartz veins									
		514.81- 517.86: Lost core	1239	520.90	522.43	1.53	-		«5		7
		523.95- 529.44: Massive Basalt with minor chloritic Amygdules									
		-regular quartz veining 2-3% through section 30, 60 &									
		90° TCA, minor hematite in veins									
		529.44- 542.54: Schistose chlorite amygdular basalt with central	1240	529.44	530.96	1.52	-		5		5
		chloritic shear at 530.35- 539.19	1241	532.49	534.01	1.52	-		5		2
		-local bleaching	1242	535.53	537.06	1.53	-		«5		2
			1243	540.72	542.24	1.52	-		«5		3

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Feuille No 17 de _____

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

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Profondeur totale: _____

Journal: E B Sopuck

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	À	Long.	% Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
		542.54- 545.29: Massive Hematized Basalts									
		-minor quartz veining									
		545.29: End of Hole Wedge for Azimuth Deviation									

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No 90-A-2 W-4

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

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Feuille No 18 de _____

De _____ à _____

Profondeur totale: _____

Journal: S B Sopatka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
542.24	571.50	Wedge #4 Azimuth deviation to right (S.E.) with slight down-dip									
		component									
		542.24- 545.90: Moderately Schistose Basalt with minor chlorite									
		Amygdules									
		-schistosity manifested by Quartz or silicified bands (mm)									
		and stretched chlorite amygdules: Si= 50° TCA									
		-minor irregular convoluted quartz veins with hematite stain									
		15- 20° TCA									
		545.90- 570.98: Massive Basalt with trace of chlorite amygdules									
		-systematic small 1cm quartz veins with 30, 60 & 90° TCA									
		-hematization ends at 557.48									
		546.20- 546.81: 2 large 10- 15cm quartz veins with minor	1244	545.59	547.12	1.53	-		«5		25
		carbonate & trace hematite									
		-no significant wallrock alteration									
		-60° to 80° TCA									
		551.38: 3cm hematized Quartz-carbonate vein 30° TCA	1245	550.77	552.30	1.53	-		«5		4
		556.26: 3cm complex vein Quartz-carbonate-sericite chlorite,	1246	555.65	556.56	0.915	Tr		«5		3
		trace pyrite, Hematite 75- 80° TCA									
		562.66- 566.93: Quartz vein zone									
		-consists of 3 major complex quartz	1247	563.42	564.95	1.53	Tr		«5		80
		veins 20- 110cm with irregular boun-	1248	564.95	566.47	1.52	Tr		«5		15
		daries 0- 45° TCA	1249	566.47	567.99	1.52	-		«5		5

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Rang : _____ Elévation Orifice: _____ Commencé le : _____

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No 90-A-2 W-4

Feuille No 19 de _____

De _____ à _____

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DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T Ppb	Vérif.	%Vein
		-White quartz with minor sericite carbonate and									
		chlorite									
		-Trace pyrite									
		570.98- 571.5: Porphyritic basalt									
		-contact sharp with pyrite stringers at contact	1250	570.98	571.50	0.52	2		«5		2
		571.5: End of hole Wedge for azimuth correction									

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No 90-A-2 W-5 & 6

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 20 de _____

De _____ à _____

Profondeur totale: _____

Journal: S B Sopathu

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	A	Long.	ANALYSES % Pv est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
568.45		Wedge # 5 Azimuth correction to right (S.E.)									
		Bull nose bit drilled into steel wedge									
		Wedge # 5 lost									
562.66	609.30	Wedge # 6 Azimuth By Pass of Wedge # 5 to right (S.E.)									
		562.66- 570.80: Massive to slightly foliated basalt	1251	562.66	565.71	1.8m	Tr		5		40
		- several complex quartz veins as described in 545.90-									
		570.98 in Wedge # 4									
		562.66- 565.71: Quartz vein zone									
		1.22m of core missing in this section									
		570.80- 573.02: Porphyritic basalt									
		- lower contact gradational and mineralized with pyrite									
		stringers									
		- upper contact gradational with appearance of chloritc	1252	570.59	572.11	1.52	1%		«5		1
		amygdules	1253	572.11	573.63	1.52	Tr		«5		4
		573.02- 594.33: Chlorite amygdular basalt									
		- variable schistosity intensive and alteration intensity									
		- S_1= 60- 65° TCA									
		573.08: 3cm complex quartz vein with chloritic selvage,									
		minor bleaching									

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No 90-A-2 W-6

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

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Feuille No 21 de _____

De _____ à _____

Profondeur totale: _____

Journal: SB Sopadba

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Pv est.	% po. est.	Au. oz. T ppb	Vérif.	%Vein
		576.68- 594.33: Variably bleached zone									
		-consists of bleached bands 10- 20cm wide separated									
		by unaltered zones 1- 1.5 metres	1254	577.29	578.82	1.53	-		«5		2
		579.12: 20cm quartz-chlorite vein with sericitic selvage	1255	578.82	579.73	0.91	Tr		«5		30
		589.64- 590.85: strongly bleached zone with central	1256	584.91	586.44	1.53	-		«5		4
		30cm quartz vein zone 80- 90° TCA	1257	589.48	591.01	1.53	-		«5		20
			1258	592.53	594.06	1.53	-		«5		7
		594.33- 604.42: Porphyritic basalt									
		-with minor amygdule, increasing toward bottom									
		-quartz veining at 30 & 60° TCA	1259	598.02	599.54	1.52	-		«5		3
		598.47- 598.93: minor bleached zone									
		604.42- 609.30: Foliated Amygdular Basalt	1260	604.88	606.09	1.21	-		«5		1
		604.88- 606.09: minor bleached zone	1261	607.77	609.30	1.53	-		«5		4
		608.08- 609.30: Shear zone with central quartz-carb. vein,									
		60° TCA									
		609.30: End of Hole Extreme deviation in Azimuth									

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No 90-A-2 W-7

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Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 22 de _____

De _____ à _____

Profondeur totale: _____

Journal: SB Sopatka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	À	Long.	% Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
535.23	810.16	Wedge # 7 Azimuth Right Wedge (S.E.) to by pass extreme									
		deviation									
		535.23- 547.12: Foliated amygdular basalt (S1= 50° TCA)									
		-defined by diffuse silicic bands & amygdule stretching									
		540.56: 3cm complex quartz- chlorite- carbonate vein	1262	540.11	541.63	1.52	-		«5		4
		546.45- 546.60: quartz carbonate chlorite vein with hematite stain	1263	545.29	546.81	1.52	-		«5		7
		540.87- 547.12: concentration of silicic banding									
		547.12- 573.33: massive to weakly foliated amygdular basalt									
		- weak to nil alteration									
		- S1= 50- 55° TCA									
		553.21- 553.43: quartz carbonate chlorite vein trace hematite	1264	552.91	554.43	1.52	-		«5		14
		556.20- 556.32: complex quartz-carbonate-chlorite-hematite	1265	555.96	557.48	1.52	-		«5		8
		vein	1266	563.27	564.79	1.52	Tr		5		40
		563.36- 564.64: zone of 4 complex quartz-chlorite-carbonate-sericite veins, 60- 70° TCA, hematite-carbonate alteration of weakly brecciated host									
		566.32- 569.98: 3% cm quartz hematite veins at 10° TCA	1267	568.45	569.98	1.53	-		«5		3
		570.59- 572.90: Feldspar phenocrysts appear									
		571.20: 30cm gouge with trace disseminated pyrite	1268	570.89	572.41	1.52	Tr		«5		1

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Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ Couronne

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Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	À	Long.	% Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
		573.33- 574.55: Foliated amygdular basalt (Si= 50° TCA)- defined by amygdule stretch plane									
		574.55- 594.45: Weakly foliated amygdular basalt (Si= 55°-65° TCA) -contains several metric bleached zones, veining sparse & irregular mm size									
		579.21- 579.61: quartz-carbonate vein with chloritic (trace pyrite) selvage and sericitized host (2cm) 0° TCA	1269	578.51	580.03	1.52	Tr		«5		10
		585.83- 586.13: Vuggy quartz-carbonate vein (2-3cm) 40- 60° TCA	1270	585.52	587.05	1.53	-		«5		3
		587.65: Series of 0.5- 2cm quartz-carbonate veins 70° TCA Hematized host (5cm)									
		589.03- 589.88: series of 0.5- 2cm quartz carbonate veins in Hematized bleached host	1271	588.87	590.40	1.53	-		«5		7
		592.53: Bleached zone									
		594.45- 601.74: Porphyritic basalt with minor amygdules minor quartz veining at 45° & 70° TCA									
		601.74- 614.84: Schistose amygdular basalt	1272	606.25	607.77	1.52	Tr		10		40
		605.79- 608.78: shear zone: consists of several 3cm to 15cm quartz-chlorite-carbonate veins in bleached sheared basalt	1273	607.77	609.30	1.53	-		«5		5
			1274	609.30	610.82	1.52	-		«5		4
		614.84- 618.44: Porphyritic basalt- Hematized, minor quartz-carbonate veining .3- .5cm 40° & 70° TCA	1275	610.82	612.34	1.52	-		10		10

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Rang : _____ Elévation Orifice: _____ Commencé le : _____

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De _____ à _____

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DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	A	Long.	% Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
		618.44- 622.40: Massive basalt with minor amygdules: hematized									
		622.40- 628.50: Foliated amygdular to massive basalt	1276	622.40	630.63	1.53	-		«5		10
		-upper contact bleached and quartz veined									
		624.84- 635.51: Silicified and hematized									
		625.45- 626.06: Feldspar clots or diffuse phenocrysts									
		627.58- 628.50: Foliation strengthens at 60- 70° TCA									
		628.50- 635.51: Massive basalt 2- 3% quartz veins (cm)	1277	629.11	630.63	1.52	-		«5		3
		635.51- 636.91: Porphyritic basalt									
		636.91- 641.48: Weakly foliated amygdular basalt S_1= 60° TCA	1278	638.56	640.08	1.52	-		«5		2
		641.48- 673.91: Massive basalt with occasional porphyritic									
		segments									
		649.16- 649.41: Complex quartz-sericite-chlorite carbonate	1279	644.35	645.87	1.52	-		«5		2
		vein with minor chloritization of host	1280	648.92	650.44	1.52	-		15		15
		660.59: 5cm quartz-carbonate vein at 60° TCA	1281	653.49	655.02	1.53	-		«5		4
			1282	657.76	659.28	1.52	-		«5		4
		673.91- 674.92: Amygdular basalt	1283	659.28	660.81	1.53	-		«5		4
			1284	664.16	665.68	1.52	-		«5		2
		674.92- 695.37: Massive basalt with small porphyritic section	1285	673.30	674.83	1.53	-		«5		3
		(680.62- 683.67)									

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DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	À	Long.	% Pv est.	% po. est.	Au. oz. T (ppb)	Vérif.	%VEIN
		- limited (1%) quartz veining & alteration									
		688.51- 688.76: 2- 3cm quartz- carbonate vein with minor	1286	687.93	689.46	1.53	-		«5		5
		hematite & iron carbonate (Ankerite)									
			1287	690.98	692.51	1.53	-		«5		4
		691.07- 692.51: Vuggy quartz- calcite vein with central silici-	1288	699.21	700.74	1.53	-		«5		-
		fied gouge & host rock bleaching	1289	702.26	703.78	1.52	-		«5		2
			1290	709.27	710.79	1.52	-		5		3
		695.37- 736.40: Amygdular basalt; weakly foliated with shear zone	1291	710.79	712.32	1.53	-		«5		2
		in lower section	1292	712.32	713.84	1.52	-		90		2
		692.96- 693.27: porphyritic	1293	713.84	715.37	1.53	-		«5		1
		699.52- 736.40: shear zone limits with center at appro-	1294	715.37	716.89	1.52	-		«5		5
		ximately (715.06) characterized by	1295	716.89	718.41	1.52	-		«5		2
		from 699.52 veining increases to 2-3%	1296	718.41	719.94	1.53	-		25		-
		699.52- 705.61: chloritization	1297	719.94	721.46	1.52	-		«5		2
		709.27- 715.37: carbonatization (Ankerite)	1298	721.46	722.99	1.53	-		«5		4
		717.19- 719.94: Silicification	1299	722.99	724.51	1.52	-		15		1
		719.94- 725.12: Bleaching	1300	724.51	726.03	1.52	-		«5		3
		727.73- 728.47: Quartz-feldspar segragates produce	1301	726.03	727.56	1.53	-		«5		2
		banding S1= 72°	1302	727.56	729.08	1.52	-		«5		-
		731.52- 733.23: Quartz vein zone 50- 60° veins of	1303	729.08	730.61	1.53	-		«5		1
		quartz carbonate with chloritized and	1304	730.61	732.13	1.52	-		10		35
		sericitized host	1305	732.13	733.65	1.52	-		«5		20
		734.93- 736.40: Sericitization and bleaching	1306	733.65	735.18	1.53	-		«5		2
			1307	735.18	736.40	1.52	-		«5		1

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Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 26 de _____

De _____ à _____

Profondeur totale: _____

Journal: S Blagrave

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Pv est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
736.40	737.04	Felsic lapillae tuff									
		-consists of felsic fragments (1- 10mm stretched) in an ash	1308	736.40	737.01	0.61	Tr		«5		2
		tuff matrix, occasional siliceous chloritic pyritic clasts									
		(.5- 2cm). Contact with basalt is gradational over 30cm									
		marked by absence of stretched chloritic amygdules, quartz									
		veining and trace of fine disseminated pyrite. Minor seri-									
		citic banding at 62° TCA (=S_o = S_1). Schistosity moderate									
		to strong									
737.04	745.14	Lithic fragmental, lapillae tuff	1309	737.01	738.53	1.52	Tr		«5		-
		- reworked lapillae tuff with .3- 2cm felsic fragments and	1310	738.53	740.05	1.52	Tr		«5		-
		lithic fragments in a matrix of ash tuff & lithic tuff plus	1311	740.05	741.58	1.53	Tr		«5		-
		chloritic shards. 10- 15% mm sericitic slips. Trace- 1%	1312	741.58	743.10	1.52	Tr		«5		-
		cubic disseminated pyrite (.5- 1mm crystals)	1313	743.10	744.63	1.53	Tr		«5		-
745.14	745.66	Quartz vein contact zone	1314	744.63	745.66	1.03	Tr		«5		35
		- contact between volcanoclastic sediments and quartz eye									
		volcanoclastics									
		- Quartz carbonate veins (35%) with strong dark green sericitic									
		(fuchitic) selvages in greywacke, lapillae tuff (no quartz									
		eyes)									

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

No 90-A-2 W-7

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ _____ _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ _____ _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ _____ _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 27 de _____

De _____ à _____

Profondeur totale: _____

Journal: SB Sopatter

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	À	Long.	% Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
745.66	760.17	Quartz eye lapillae tuff									
		- felsic lapillae fragments (quartz eye) in felsic quartz eye	1315	745.66	746.76	1.10	Tr		«5		-
		tuff with occasional ash tuff (sericitized) inter layers.	1316	746.76	748.28	1.52	Tr		«5		-
		- initially minor (1-3%) quartz eyes, increasing to 15- 20%	1317	748.28	749.80	1.52	3		«5		-
		748.28- 749.50: chloritized zone with pyritic bands (medium	1318	749.80	751.33	1.53	Tr		«5		-
		grained pyrite cubes in aggregate bands)	1319	751.33	752.86	1.53	Tr		«5		3
		-S_o = S_1= 65° TCA	1320	752.86	754.38	1.52	Tr		«5		-
		- Trace pyrite above & below this section	1321	754.38	755.90	1.52	Tr		«5		-
		751.27- 751.33: Quartz calcite vein	1322	755.90	757.12	1.22	Tr		«5		-
		754.08- 754.23: Sericitic non quartz eye tuff band	1323	757.12	758.04	0.92	Tr		«5		-
		754.93- 755.23: Sericitic non quartz eye tuff band	1324	758.04	759.26	1.22	3		«5		20
		758.04- 759.26: Quartz vein zone - irregular quartz veins	1325	759.26	760.17	0.91	Tr		«5		10
		in chloritic pyritized quartz eye lapillae tuff									
760.17	761.76	Fine banded Ash Tuff	1326	760.17	761.76	1.59	-		«5		2
		-contains thin irregular quartz veins showing, folding &									
		faulting									
761.76	763.22	Interlayered ash tuff and quartz eye lapillae tuff	1327	761.76	763.22	1.46	1		«5		3
		-3% pyritic quartz veins									
763.22	781.35	Quartz eye lapillae tuff	1328	763.22	764.74	1.52	Tr		«5		1
		from 766.27 strongly schistose	1329	764.74	766.27	1.53	Tr		«5		4

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

No 90-A-2 W-7

Feuille No 28 de _____

De _____ à _____

Profondeur totale: _____

Journal: S.Bespath

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
		767.91- 768.22: dark green sericitic shear zone with central									
		3cm quartz vein. 2cm pyritization of host on either side.	1330	766.27	767.79	1.52	Tr		«5		1
			1331	767.79	769.32	1.53	2%		«5		2
		770.84- 781.05: Zone of graphitic/ argillitic tuffs	1332	769.32	770.84	1.52	Tr		«5		-
		-consists of quartz eye tuff with bands of graphitic	1333	770.84	772.36	1.52	Tr		«5		2
		argillite (pyritic)	1334	772.36	773.89	1.53	Tr		«5		1
		-initially 1-2cm bands with 25-30cm tuff bands	1335	773.89	775.41	1.52	1		«5		2
		-gradually graphitic bands increase in thickness	1336	775.41	776.94	1.52	Tr		«5		2
		776.94- 779.98: Up to 60% graphitic bands, this section	1337	776.94	778.46	1.52	Tr		10		1
		contains lithic fragments of pyrite, chert, tuff and	1338	778.46	779.98	1.52	Tr		25		-
		argillite	1339	779.98	781.35	1.37	2		10		1
		-sericitic bands (weak) throughout.									
781.35	781.42	Chert Horizon with minor disseminate pyritic cubes	1340	781.35	783.03	1.68	2		«5		6
781.41	788.12	Felsic ash tuff- with minor lapillae size fragments									
		significant chloritization as streaks & stringers	1341	783.03	784.56	1.52	Tr		«5		4
		of chlorite parallel to S_1 at 68° TCA	1342	784.56	786.08	1.52	Tr		«5		3
		781.63- 783.18: zone of strong chloritic alteration with irregu-									
		lar 1-2cm quartz carbonate veins at 25 & 55° TCA									
		-chloritization decreases after this zone									
		783.95: Pyritic stringers and bands increasing at this point	1343	786.08	786.84	0.76	Tr		5		3
		usually associated with quartz veins as thin selvages and									

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

No 90-A-2 W-7

Feuille No 29 de _____

De _____ à _____

Profondeur totale: _____

Journal: SB Sopuerta

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Pv est.	% po. est.	Au. oz. T (ppb) ounces au/ton Core	Pulp	Vérif. Reject	%Vein
		disseminations in host. Quartz veins are 3-5mm with car-										
		bonate crystal selvages.							Core	Pulp	Reject	
		S_1= 68- 70° TCA quartz veins 60- 80° TCA	1344	786.84	788.12	1.28	1	Tr	«.002	.005		7
		786.99- 787.30: Concentration of quartz veins (7%) with										
		maximum pyrite (3%) commonly sericitic										
788.12	791.14	Graphitic lapillae tuff with variable lithic component into a	1345	788.12	789.65	1.53	3	Tr	«.002	«.002		2
		mixed banded ash tuff/ lithic tuff. Lithic component consists							Au (ppb)			
		of chert, argillite (graphitic) and felsic tuff fragments,	1346	789.65	791.14	1.49	1		«5			2
		fragments up to 7 cm										
		Quartz veins as Si parallel stringers & ptygmatic folded										
		veins at 20° TCA. S_1= S_0= 70° TCA										
		Sulphides (pyrite) as cubes and aggregates concentrated in										
		upper 60cm (5%)										
791.14	792.18	Fine ash tuff to lapillae tuff										
		- fragments of chert, pyritic chert and graphitic tuff.	1347	791.14	792.18	1.04	Tr		5			2
792.18	800.22	Agglomerate										
		- Felsic tuffaceous fragments in tuffaceous and graphitic										
		matrix, fragments are both sericitic and non-sericitic	1348	792.18	793.70	1.52	Tr		15			3
		fragments size 10-20cm to 2-5cm, generally fining downhole.							Oz Au /ton Core	Pulp	Reject	
		- upper contact sharp and quartz veined, lower contact	1349	793.70	794.61	0.91	Tr		.002	.002	«.002	2

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

No 90-A-2 W-7

Feuille No 30 de _____

De _____ à _____

Profondeur totale: _____

Journal: S Bogatka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	A	Long.	ANALYSES % Py est.	% po. est	Au. oz. T (ppb)	Vérif.	%Vein
		gradational into a pyritic graphitic tuff									
		-Graphitic component increases downhole	1350	794.61	795.53	0.92	Tr		«5		2
		-Minor sericitic alteration									
		-Sulphides (pyrite) disseminate, associated with S1	1351	795.53	797.08	1.55	Tr		20		2
		parallel quartz veining	1352	797.08	798.64	1.56	1		15		2
									Au oz/ton		
		792.21- 792.33: Irregular quartz veins							Core Pulp Reject		
		794.77- 795.38: Complex quartz carbonate vein with minor	1353	798.64	800.22	1.58	Tr		.002 .002 «.002		-
		sericite and disseminated pyrite in host									
800.22	801.75	Pyritic tuff to pyritic chert	1354	800.22	801.74	1.53	40		.006 .003 «.002		2
		-consists of fine pyrite aggregates and disseminations in									
		a crystal tuff to black chert matrix									
		-overall pyrite concentration 40% with some massive bands									
		-massive pyrite over last 8cm									
		-minor quartz veining									
									(ppb)		
801.75	802.08	Graphitic gouge	1355	801.75	802.08	0.33	4		120		3
		-consists of pyrite aggregates to brecciated nodules and brec-									
		ciated quartz veins in a graphitic mud									
802.08	809.52	Quartz- feldspar porphyry dyke									
		-20% quartz and feldspar phenocrysts in a quartzo-feldspathic									
		matrix. Phenocrysts content decreases down hole and	1356	802.08	803.15	1.07	1		«5		1

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

No 90-A-2 W-7

Feuille No 31 de _____

De _____ à _____

Profondeur totale: _____

Journal: LB Lapalme

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	À	Long.	% Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
		phenocrysts become diffuse in outline.									
		- 1-2% disseminated pyrite throughout	1357	803.15	804.67	1.52	2		«5		-
		- «1% quartz veining	1358	804.67	806.20	1.53	1		«5		-
			1359	806.20	807.72	1.52	1		«5		-
809.52	810.16	Graphite with nodular pyrite	1360	807.72	809.52	1.80	2		«5		-
		- silicified	1361	809.52	810.16	0.64	10		25		-
		- nodular show quartz pressure solution features									
		- 10% pyrite nodules									
	810.16	End of hole									

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

No 90-A-3

Feuille No 1 de

De à

Profondeur totale: 140.51

Projet : Valrennes ACE | Ligne : L3+00W | Ord. : 7+00S | Profondeur : 0 26.82 91.44 138.99 | Couronne AX: EX: AQ: BQ

Claim : 388287-1 | Section : | Ord. : | Plongée : -50° -47.2 -46 -37

Canton : Valrennes | Lat. : | Long. : | Azimut : 030° - - 028°

Rang : | Elévation Orifice: | Commencé le : March 5, 1990

Lot : | Azimut: 030° | Terminé le :

N.T.S. : 32E 09 | Niveau: | Entrepreneur : N. Morissette Canada Inc.

Journal: S.B. Lopatka SB Lopatka

Date: March 6, 1990

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	A	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%vein
0	20.73	Casing (casing left in hole)									
20.73	35.59	Dacitic crystal tuff/ lithic crystal tuff									
		-medium to light grey pyroclastic rock containing 10- 15%	2001	22.56	24.08	1.52	-		«5		1
		quartz crystals (1-5mm) in a dacitic matrix									
		-fragments of argillite and grains begin to appear at 28.22m	2002	25.15	26.67	1.52	-		«5		-
		increasing in abundance to total of 10% toward top of cycle.	2003	32.77	34.29	1.52	-		«5		-
		-alteration:									
		i) minor sericitic zones .3- 1m wide throughout («20%)									
		ii) rusty ankeritic zones associated with fractures									
		zones 15cm- 1.3m									
		-structure:									
		S_1= 40° TCA									
		-veining:									
		diffuse quartz veins 0.3- 0.7cm, 50- 70° TCA in upper 6.1m									
		Si parallel and less voluminous below									
		-sulphides: nil									
35.59	37.76	Transition zone Dacite/Argillite	2004	35.67	37.19	1.52	Tr		«5		2
		- consists of argillite bands alternating with dacitic tuff.									
		- argillite increasing downhole (up sequence)									
		- contacts at 45° TCA= S_1									
		- minor sericitic slips at variable angles									
		- quartz veins crossing Si trending at 45° TCA									

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

No 90-A-3

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 2 de _____

De _____ à _____

Profondeur totale: _____

Journal: SB Sopatka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	A	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
		- Pyrite minor in argillite sections, primary and recrys-									
		tallized («1%)									
37.76	38.60	Argillite with minor graphite									
		- argillite supported dacitic fragments to pure black argil-									
		lite									
		- mixed sequence up hole contains pyrite (2%) as	2005	37.19	38.33	1.14	Tr		«5		2
		» primary stretched nodules									
		» stringer and disseminated wispy aggregates									
		» disseminated in dacitic fragments									
		- lower contact sharp at 40° TCA									
38.60	41.67	Greywacke									
		- medium grained to fine grained, medium grey sediment	2006	38.33	39.62	1.29	Tr		«5		2
		- poorly developed graded bedding indicates tops downhole									
		(to N.E.)									
		- unit cut by several sericitic to kaolinitic shears up to									
		30 cm wide with variable TCA (average (25- 30°)									
		- upper contact with argillite 35°- 40° contains 5% pyrite									
		blebs									
		- lower contact 30cm of 5- 7% disseminated pyrite bands									
		and blebs									
		- strong crenulation cleavage S_2 at 60° TCA									
		- veining at 70° & 20° TCA quartz and quartz carbonate									

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

No 90-A-3

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 3 de _____

De _____ à _____

Profondeur totale: _____

Journal: JB Lepatteur

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
		39.32- 40.72: Sheared sericitic zone									
41.67	42.95	Quartz vein									
		- white quartz vein containing graphitic argillite masses &	2007	41.67	42.95	1.28	2%		«5		90%
		stringers 25% graphite									
		- 1-3% pyrite disseminations in graphite									
42.95	48.46	Graphitic argillite									
		- massive, black, fine grained sediment with 4% poorly deve-	2008	46.33	47.85	1.52	Tr		«5		1%
		loped pyrite nodules	2009	47.85	49.38	1.53	Tr		«5		2
		- minor ptygmatic folded quartz veins 30° TCA S_o parallel									
		- minor secondary or recrystallized pyrite associated with									
		diffuse quartz vein zones («1%)									
		- lower contact zone gouge									
48.46	54.10	Sheared greywacke/ argillite	2010	52.43	53.95	1.52	-		«5		5
		- interlayered greywacke and argillite bands									
		- argillite: grey, fine grained S_1= 30° TCA									
		- greywacke: bleached									
		- minor silicified or cherty horizons									
		- local gouge zones at: 48.46- 48.77, 50.60, 51.21, 51.82									
		- upper contact gradational over 30cm, lower contact sharp at									
		quartz vein									

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

No 90-A-3

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 4 de _____

De _____ à _____

Profondeur totale: _____

Journal: SB Sopatka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	À	Long.	% Pv est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
54.10	55.32	Graphitic argillite to graphitic gouge									
		-with 10- 15% brecciated quartz veins	2011	53.95	55.47	1.52	Tr		«5		10%
		-nil pyrite									
		-lower contact gouge									
55.32	55.72	Chert	2012	55.47	57.0	1.53	2%		«5		25
		-with quartz veins at boundaries									
		-brecciated & fractures									
		-nil sulphides									
55.72	57.12	Graphitic argillite									
		-40% brecciated quartz veins, variably oriented									
		56.08- 5-6cm gouge zone with 30cm brecciated zone, no sulphides									
57.12	62.48	Mixed grey argillite and greywacke- brecciated	2013	57.0	57.91	0.91	Tr		«5		10
		-interlayered argillite & greywacke S_o= 45° TCA	2014	57.91	59.44	1.53	Tr		«5		5
		-well developed kink banding of S_o= S_1 S_2= 15° TCA	2015	59.44	60.96	1.52	5		«5		3
		-significant alteration (kaolimitic- talcose)	2016	60.96	62.48	1.52	5		«5		2
		-minor irregular white quartz veins parallel to S_1									
		-60.35- 62.48: 5-10% pyrite blebs and streaks									

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

No 90-A-3

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 5 de _____

De _____ à _____

Profondeur totale: _____

Journal: SBSopuchka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	A	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
62.48	64.10	Graphitic argillite									
		- black to dark grey alternating bands with medium grained									
		dark grey bands and fine grained black bands									
		- weakly developed graded bedding indicates tops downhole									
		(to North East)									
		- bedding at 50° TCA disrupted by 15° TCA cleavage (S_2)									
		63.86: concentration (2%) of cross cutting irregular quartz									
		veins and stringers									
		- minor (2%) pyritic bands									
64.10	66.26	Argillite/ graphitic argillite									
		- fine dark to light grey argillite/ siltstone interlayered									
		with graphitic argillite									
		- sericitic alteration									
66.26	67.51	Greywacke with minor argillite clasts and cherty pyritic bands	2047	65.53	67.06	1.53	1		«5		1
		1%									
67.51	73.61	Argillite/ greywacke									
		- interbedded, greywacke contains graphitic argillite, chert and	2017	67.51	69.04	1.53	25%		«5		40
		pyrite clasts and bands. 4- 5% pyrite average	2018	69.04	70.56	1.52	5		«5		30
		68.43: 10cm massive pyrite	2019	70.56	72.09	1.53	2		«5		10
		67.51- 70.71: 30% brecciated quartz veins									
		73.0- 73.61: 40% brecciated quartz veins	2020	72.09	73.91	1.82	3		«5		30

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

No 90-A-3

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ _____ _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ _____ _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ _____ _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 6 de _____

De _____ à _____

Profondeur totale: _____

Journal: SB Sopatter

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	À	Long.	% Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
73.61	76.66	Graphitic Argillite banded at 40° TCA									
		75.38- 75.68: 50% quartz veining	2021	74.98	76.66	1.68	Tr		«5		40
76.66	97.14	Argillite with minor bands of greywacke and chert	2022	76.66	78.03	1.37	Tr		«5		10
		- occasional greywacke boulders in first 1.5m	2023	78.03	81.08	0.61	Tr		«5		-
		- pyrite (10%) as bands throughout	2024	81.08	82.60	1.52	Tr		«5		1
		76.66- 93.57: sericitic bands strongest in first 1.5m	2025	82.60	84.13	1.53	Tr		«5		2
		93.57- 97.14: silicified and quartz veined (40%)	2026	84.13	85.65	1.52	1		«5		-
		78.03- 81.08: lost core 0.61 cm left	2027	85.65	87.17	1.52	Tr		«5		2
			2028	87.17	88.70	1.53	5		«5		3
97.14	98.15	Greywacke	2029	88.70	90.22	1.52	Tr		«5		2
		-medium grey fine to medium grained sediment	2030	90.22	91.75	1.53	Tr		«5		2
		-moderately sericitic	2031	91.75	93.27	1.52	Tr		«5		2
98.15	107.14	Graphitic Argillite/ Argillite	2032	93.27	94.79	1.52	1		5		20
		-interlayered fine & graphitic sediments varying from mm	2033	94.79	96.32	1.53	1		5		50
		to 5- 6cm bands	2034	96.32	97.84	1.52	Tr		«5		2
		- more graphitic uphole	2035	103.02	104.55	1.53	-		5		2
		- bedding (S_o= 35° TCA) strongly disrupted by cleavage (S_2)									
		at 0- 15° TCA									
		Note: relationships in this sector suggests S_2 is 180°/ 70°N									
		assuming S_o 120°/90									
107.14	126.71	Massive siltstone									
		- with occasional argillite bands & silicified bands (35° TCA)									

MINES AGNICO EAGLE LTÉE

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No 90-A-3

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

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Rang : _____ Elévation Orifice: _____ Commencé le : _____

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N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 7 de _____

De _____ à _____

Profondeur totale: _____

Journal: SB Sopuchu

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	À	Long.	% Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
		110.34- 120.09: Sericitic alteration bands concentrated									
		122.22- 125.58: 25% quartz veins with carbonate sericite	2036	109.12	110.64	1.52	-		«5		10
		alteration typical Au bearing quartz vein deposits	2037	114.61	116.13	1.52	-		«5		-
			2038	119.33	120.85	1.52	-		«5		10
126.71	128.17	Banded interbedded siltstone, argillite and cherty bands	2039	122.23	123.75	1.52	-		«5		15
		S_o= 45° TCA	2040	123.75	125.27	1.52	-		«5		20
			2041	125.27	126.19	0.92	-		5		25
128.17	132.04	Siltstone- with minor argillite and cherty bands S_o= 40- 45° TCA	2042	128.63	130.15	1.52	-		«5		15
		128.93- 129.24: strong to pervasive sericitic alteration	2043	130.15	131.67	1.52	-		«5		1
		in zone of 35% quartz veining									
132.04	135.51	Interbedded argillite- chert									
		- with occasional greywacke bands	2044	131.67	133.20	1.53	Tr		«5		10
		132.44- 134.72: 30% quartz veins cross cutting S_o at 5° TCA	2045	133.20	134.72	1.52	1		«5		10
135.51	136.73	Argillite									
		- minor cherty interbeds S_o= S_1= 35° TCA									
		S_2= 20° TCA									
136.73	137.19	Graphitic argillite									
		- 10% quartz veins									
		- 2% pyrite bands									

MINES AGNICO EAGLE LTÉE

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No 90-A-3

Feuille No 8 de _____

De _____ à _____

Profondeur totale: _____

Journal: LB Lopatka

Date: _____

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Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne AX: EX: AQ:

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
137.19	140.51	Interbedded argillite & greywacke (S_o= 40°)									
		139.60- 139.96: quartz veins with argillite fragments	2046	138.38	139.90	1.52	-		«5		10
140.51		End of Hole									

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

No 90-A-4

Feuille No 1 de

De à

Profondeur totale: 246.28

Projet : Valrennes ACE
Claim : 387478-4 & 387479-2
Canton : Valrennes
Rang :
Lot :
N.T.S. : 32E/09

Ligne : 7+00E
Section :
Lat. :
Elévation Orifice:
Azimut: 030°
Niveau: -50

Ord. : 8+90S
Ord. :
Long. :

Profondeur	6.1	91.44	178.31	244.75
Plongée	-50°	-42°	-35°	-32°
Azimut	-	-	-	001°

Commencé le : March 12, 1990
Terminé le : March 14, 1990
Entrepreneur : N. Morissette Canada Inc.

Couronne AX: EX: AQ: BQ

Journal: S.B. Lopatka
Date: March 12, 1990

DE (m)	À (m)	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T (ppb)	Vérif.	%Vein
0	6.1	Casing (left in hole- not making water)									
			2048	6.5	8.0	1.5	Tr		«5		3%
6.1	26.1	Intermediate (dacitic) XL tuff (altered)	2049	8.0	9.5	1.5	Tr		«5		4%
		-consists of fine millimetric shards in an ash (fine) matrix.									
		Foliation of shards S_o= 45° TCA									
		-occasional quartz fragments 1-3mm, pyritic chlorite streaks,									
		chloritized bands . Total sulphide trace as disseminated									
		grains in chlorite streaks									
		-foliation contorted by chloritic & sericitic slips. Slips									
		in two prominent directions. S_1= 45° TCA parallel to S_o &									
		-sericitic alteration pervasive as thin «1mm stringers & dif-									
		fuse sericitic alteration									
		10.46- 20.44: Zone of chloritization	2050	13.5	15.0	1.5	Tr		«5		25%
		-begins as darkening of host, development of darker chloritized									
		bands over 1.0m increasing to complete chloritization des-									
		troying all texture except for remenant spots & bands of spots									
		of sericite									
		cubic pyrite crystals « 1%									
		14.0- 14.5: central quartz vein									
		Quartz Fe-carbonate minor sericite boundary									
		very irregular 40° TCA									
		- 25° TCA opposite sense no sulphides									
		15.2- 16 Zone of quartz sericite bands									

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

No 90-A-4

Feuille No 2 de _____

De _____ à _____

Profondeur totale: _____

Journal: B Lapalme

Date: _____

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T	Vérif.	%Vein
		-consists of chloritic tuff (70%) banded with sericitic- quartz									
		bands (30%) 1-7mm thick // S_o= S1= 50- 55° TCA	2051	15.0	16.5	1.5	-		«5		40%
		Banding starts abruptly but continues beyond 16.0 to a lesser									
		volume up to 18.7									
		20.44- 25.8: Similar to 6.1- 10.46									
		-predominantly sericitized tuff with occasional chloritic bands									
		(diffuse)	2052	21.0	22.5	1.5	Tr		«5 rusty zones		3%
		-local lapillae bands appearing									
		these bands show stronger sericitic slips									
		Tr. py. associated with chlorite									
		25.8- 26.1: Intense chloritized zone									
		-complete chloritization of rock									
		Tr. - 1% pyrite cubes	2053	24.8	26.3	1.5	Tr		«5		-
		In the entire sequence above meteoric alteration:									
		a rusty stained zones appear sporadically									
		-consists of 2-4cm wide rusty pitted zones									
26.1	36.90	Lapillae tuff (sericitized)									
		-consists of strongly stretched lapillae fragments in an									
		intermediate to felsic tuff matrix often with chloritic bands									
		or stringers // to S_o									
		Py Tr associated with some chloritic streaks	2054	30.5	32.0	1.5	Tr		«5		4%

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

No 90-A-4

3

Feuille No _____ de _____

De _____ à _____

Profondeur totale: _____

Journal: S.B. Topalian

Date: _____

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne AX: EX: AQ:

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T / Ppb	Vérif.	%Vein
		Chloritic streaks more voluminous than tuff									
		28.80- 32.13: Strongly sericitized Zone	2055	32.0	33.5	1.5	Tr		«5		15%
		-consists of above lapillae tuff cut by numerous sericitic	2056	33.5	35.0	1.5	Tr		«5		20%
		to raolinitic bands (stringers)									
		-these stringers are in several directions									
		1) // to S_o= 60° TCA									
		2) I to S_o= 30° TCA									
		3) // to TCA									
		-Consists of «1- 2 millimetric stringers & stringer groups at									
		0.5- 1cm spacing									
		32.80- 33.10: Quartz vein, contact 70° TCA diffuse irregular									
		upper contact									
		34.90- 35.40: Sericitic again, minor chloritic									
		34.5- 35.01: Quartz vein irregular contacts									
		35.01- 36.90: Sericitized lapillae tuff as previous	2057	35.0	36.0	1.0	Tr		«5		
		-occasional greywacke component	2058	36.0	36.90	0.90	Tr		«5		25%
		36.50- 36.65: quartz vein zone 60% quartz vein									
36.90	40.46	Banded graphitic Argillite/Argillite/ Chert Horizon									
		-consists of «1cm to 3cm bands of argillite, graphite and chert	2059	36.9	37.9	1.0	1%		5		20%
		with occasional felsic tuff fragments (S_o= 50° TCA)									

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

No 90-A-4

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

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N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 4 de _____

De _____ à _____

Profondeur totale: _____

Journal: JB Lapointe

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	À	Long.	% Py est.	% po. est.	Au. oz. T / Ppb	Vérif.	%Vein
		-minor 1-3mm irregular fine pyrite bands (1%)									
		-pyrite also occurs as:	2060	37.9	38.9	1.0	2%		5		-
		1- disseminations in argillite	2061	38.9	40.46	1.56	4%		«5		2
		2- cubes and nodules in graphitic argillite									
		3- disseminations & blebs in felsic fragments									
		36.90- 37.70: concentration of quartz veins									
		-occur as irregular bedding parallel & bedding perpendicular									
		vein sets									
		-minor evidence of brecciation									
40.46	41.54	Transition Zone									
		-mixture of argillite and felsic tuff with cherty fragments	2062	40.46	41.51	1.08	5		5		40
		-section begins with a 10cm quartz vein									
		-followed by sheared fragmental rocks to 40.87									
		40.87- 41.34: 15cm quartz vein at 4° TCA hosted by silicified									
		fragmentals containing 2- 3% pyrite									
		41.34- 41.54: sheared slightly sericitized gouge zone									
41.54	66.70	Sericitized intermediate tuff									
		-with local chloritic sections	2063	41.54	43.0	1.46	Tr		«5		5
		-similar to 6.1- 26.1 except sericitization more intense	2064	43.0	44.0	1.0	-		«5		-
		throughout	2065	44.0	45.5	1.5	Tr		«5		2
		-shards and chloritic fragments (mm size) in felsic to									

MINES AGNICO EAGLE LTÉE

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Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

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Rang : _____ Elévation Orifice: _____ Commencé le : _____

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Feuille No 5 de _____

De _____ à _____

Profondeur totale: _____

Journal: _____

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T / Ppb	Vérif.	%Vein
		intermediate matrix									
		-chloritized zone usually 3-5cm but locally 1.5m (56.8- 58.3)	2066	50.5	52.0	1.5	Tr		«5		1
		-sericitic alteration occurs as diffuse uniform sericite and									
		as mm sericite stringers									
		-Trace sulphides									
		52.05- 58.37: Quartz vein zone									
		-consists of large 3-50 cm white quartz veins with sericite	2067	52.0	53.0	1.0	Tr		«5		90
		& chlorite inclusions in chloritized tuff	2068	53.0	54.5	1.5	Tr		«5		3
		-57.0- 58.3: complete chloritization of host rock	2069	54.5	56.0	1.5	Tr		«5		30
		-pyrite as bands in hostrock and as fine crystals in sericitic	2070	56.0	57.5	1.5	2		«5		50
		inclusions in quartz veins	2071	57.5	59.0	1.5	2		«5		25
		-S_o= S_1= 35°, Quartz veins parallel to S_o									
		S_2 (sericitic slips)= 30°									
		58.37- 66.70: chloritic fragments (shards ?) in tuff	2072	62.0	63.5	1.5	-		«5		3
		-minor quartz veins	2073	64.5	66.0	1.5	Tr		«5		2
		-S_o= S_1= 40° S_2= 30° opposite and 90° to S_o									
66.70	68.60	Transition zone									
		-contact zone between upper sericitic tuffs and lower carbo-	2074	67.0	68.5	1.5	-		«5		-
		natized mafic volcanics									
		-transition as calcification & chloritization in tuffs.									

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Feuille No 6 de _____

De _____ à _____

Profondeur totale: _____

Journal: SB Sopatka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T Ppb	Vérif.	%Vein
68.60	81.0	Carbonatized Mafic Volcanics									
		-dark green fine grained to aphanitic matrix hosting blebs	2075	71.0	72.5	1.5	Tr		«5		2
		and concentrations of blebs of calcite									
		-sericitic alteration as minor stringers cross cutting mineral	2076	76.5	78.0	1.5	-		«5		4
		foliation. S_1= 50° S_2= 30° with 90° rotation									
		-sulphides as trace pyritic blebs	2077	78.0	79.5	1.5	Tr		«5		2
		-lower contact fault gouge 3cm wide surrounded by 1.5m quartz									
		vein zone	2078	79.5	81.0	1.5	Tr		«5		10
81.0	104.73	Intermediate Volcanic- Pyroclastic	2079	81.0	82.5	1.5	Tr		«5		20
		-medium grey-green aphanitic intermediate volcanic rock with									
		possible feldspar (altered) phenocryst zones	2080	82.5	84.0	1.5	-		«5		10
		-fine grained sectors exhibit millimetric chloritic blebs									
		alligned with S_1= 30° TCA									
		-alteration minor except for phenocrysts	2083	98.5	100.0	1.5	-		«5		4
		-Quartz veining 81.0- 83.0 45% veins, 1-10cm, in chloritic									
		zone									
		90.3 3cm quartz vein in 20cm chlorite zone									
		95.4- 95.6: 2 quartz veins 5cm parallel to S_1									
		98.7 2 quartz veins 3cm minor chloritization									
		-sectors of fine grained to aphanitic rock exhibit millimetric									
		chloritic blebs alligned with schistosity S_1= 30° TCA	2083	98.5	100	1.5	-		«5		4%
		occasionally chloritic streaks							(minor sericite)		
		-coarser grained mineral may be a									

MINES AGNICO EAGLE LTÉE

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Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

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Feuille No 7 de _____

De _____ à _____

Profondeur totale: _____

Journal: S B Spratt

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T / Ppb	Vérif.	%Vein
		-no sericitic alteration and no calcitic alteration as with									
		upper & lower units									
		-compositional intermediate with quartz grains visible may be									
		coarse greywacke									
		-Quartz veining at upper contact. 81.0- 83.0: 45%									
		at 90.3 3cm vg in 20cm chl zone									
		at 95.4- 95.6 2 vg carb 7cm & 2cm // Si no chl									
		at 98.7 2vg 2-3cm minor chl									
104.73	107.0	Agglomerate tuff in chloritic matrix (some tuffaceous bands	2084	104.73	106.0	1.27	Tr		«5		2%
		5- 10cm wide 30%) with 50% sericitized patches	2085	106	107.0	1.0	1% diss		«5		3%
		-felsic fragments in chloritic matrix foliated at 50° TCA									
		-patches (bands) of complete sericitization 1cm to 20cm wide									
107.0	107.94	Graphitic tuff/ greywacke									
		-intermediate tuff in graphitic-chloritic matrix	2086	107.0	108.3	1.3	3		«5		4
		-pyrite 2- 3% as streaks & bands									
107.94	108.28	Brecciated graphitic argillite									
		-contains minor greywacke/ tuff bands									
		-pyrite disseminated 2- 3%									
		-top 15cm brecciated with quartz veins									

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

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Rang : _____ Elévation Orifice: _____ Commencé le : _____

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Feuille No 8 de _____

De _____ à _____

Profondeur totale: _____

Journal: _____

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	À	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.	%Vein
108.28	109.47	Gritty greywacke							ppb		
		-contains graphitic fragments and quartz veins	2087	108.3	109.47	1.17	Tr		«5		-
		-minor sericitic slips									
		-crude graded bedding downhole									
		-trace pyrite									
109.47	112.92	Brecciated argillite/ graphitic Argillite									
		-interbedded with minor greywacke component ranges from finely	2088	109.47	111.0	1.53	Tr		«5		10
		banded (mm) to argillite bands up to 20cm S_o= 50° TCA									
		Brecciated zones of graphitic gouge & brecciated quartz									
		veins concentrated at 109.60- 110.23; 111.53- 112.0;	2089	111.0	112.0	1.0	-		«5		10
		112.15- 112.50									
		-pyrite as disseminations (no nodular pyrite)									
112.92	114.30	Brecciated or fragmental argillite in graphitic matrix	2090	112.0	113.0	1.0	3		«5		5
		-pyrite as streaks and blebs associate with argillite, quartz	2091	113.0	114.30	1.3	5		«5		2
		veins and graphitic matrix									
114.30	127.1	Debris flow/ greywacke/ argillite									
		-consists of various mixed lithologies probably as large frag-	2092	114.3	115.8	1.5	3%		«5		4
		ments of various lithologies including argillite, graphitic	2093	115.8	117.3	1.5	Tr		«5		-
		argillite, greywacke and zones of finer fragments mixed	2094	117.3	118.8	1.5	Tr		«5		5
		together (debris flow)	2095	118.8	120.3	1.5	Tr		«5		3
			2096	120.3	121.8	1.5	Tr		«5		3

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

No 90-A-4

Feuille No 9 de _____

De _____ à _____

Profondeur totale: _____

Journal: S B Sopalla

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	À	Long.	% Py est.	% po. est.	Au, oz. T ppb	Vérif.	%Vein
		122.65- 123.50: Quartz- calcite- iron carbonate vein with sili-									
		cified pyritic lower contact	2097	121.8	122.6	0.8	Tr		«5		-
		123.50- 125.0: Debris flow with 6% pyrite blebs, S_o= 45°	2098	122.6	123.5	0.9	5		«5		90
		occasional pyritic stringers quartz veins 5° TCA	2099	123.5	125.0	1.5	6		«5		2
		125.0- 125.6: Greywacke graded downhole	2100	125.0	126.0	1.0	Tr		«5		2
		125.6- 126.6: Graphitic argillite S_o= 50° TCA convoluted	2101	126.0	127.05	1.05	Tr		«5		5
		irregular quartz veins									
		126.6- 126.65: white quartz vein									
		126.65- 127.10: Greywacke									
127.1	150.30	Debris flow									
		Fragments of felsic tuff, rhyolite, chert and pyrite from 1mm	2102	127.05	128.5	1.45	Tr		«5		-
		to 5 cm stretched parallel to foliation in an argillite,	2103	128.5	130.0	1.5	3		«5		-
		graphitic argillite or greywacke matrix	2104	130.0	131.5	1.5	2		«5		-
		-matrix supported from first 1.5m then clast supported	2105	131.5	133.0	1.5	Tr		«5		4
		-generally unsorted	2106	133.0	134.5	1.5	-		«5		-
		-sericitic alteration in zones at 133- 133.3, 135.65- 136,	2107	134.5	136.0	1.5	Tr		«5		-
		bleached with sericitic slips, 137.26- 137.35, 142.56- 147.0,	2108	136.0	137.5	1.5	5		«5		4
		bleached with 40% sericite	2109	137.5	139.0	1.5	Tr		«5		-
		-several gouge zones at 135.12- 135.15, 142.76- 142.79, 145.90	2110	139.0	140.5	1.5	Tr		«5		-
		146.0,	2111	140.5	142.0	1.5	1		«5		-
		-pyrite concentrations	2112	142.0	143.5	1.5	1		«5		-
			2113	143.5	145.0	1.5	Tr		«5		2

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

No 90-A-4

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 10 de _____

De _____ à _____

Profondeur totale: _____

Journal: _____

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES			
			No:	De	À	Long.	% Py est.	% po. est.	Au. oz. T / Ppb	Vérif.	%Vein
		128.4- 131.6: 3% as blebs, disseminations and bands in									
		fragments and matrix	2114	145.0	146.5	1.5	Tr		«5		3
		137.05- 135.10: Semi-massive pyrite blebs in quartz veins	2115	146.5	148.0	1.5	Tr		«5		2
		140.7- 142: pyritic fragments associated with quartz veins	2116	148.0	149.0	1.0	Tr		«5		-
		143.10 fragments in chlorite zone	2117	149.0	150.3	1.3	Tr		«5		-
		148- 150.3: Iron carbonate/ sediment mix									
150.30	156.50	Silicified iron Carbonate									
		- consists of several zones of massive silicified iron carbona-									
		tes separated by larger zones of brecciated iron carbonates	2118	150.3	151.8	1.5	1		«5		3
		consisting of sideritic masses and grains in a chloritic	2119	151.8	153.3	1.5	Tr		«5		7
		matrix or veins	2120	153.3	154.2	0.90	1		5		2
		Massive zones: 150.30- 150.54 (Tr py), 151.03- 151.19 (Tr py)	2121	154.2	155.2	1.0	1		10		5
		152.20- 153.35 (1% py), 154.14- 154.70 (Tr py) 154.95-	2122	155.2	156.5	1.3	3		5		7
		155.73 (1% py)									
		Brecciated zone show sediment influx into system suggesting									
		sedimentary breccia									
156.5	161.52	Finely banded argillite, graphitic argillite and greywacke									
		-moderately sericitized	2123	156.5	158.0	1.5	Tr		«5		-
		-S_o= 50° slightly convoluted	2124	158.0	159.5	1.5	1		«5		-
		S_1= sericitic slips & foliation = 25° some sense 30° rotation	2125	159.5	161.0	1.5	Tr		«5		2
		minor quartz veining (3%) 40° TCA 90° rotation from									
		S_o									

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

No 90-A-4

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 11 de _____

De _____ à _____

Profondeur totale: _____

Journal: J.B. Spatker

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T Ppb	Vérif.	%Vein
161.52	168.0	Massive non-laminated siltstone with quartz ovoids									
		-ovoids similar to pea-texture cherts in Telbel Iron Carbonates									
		-ovoids occasionally pyritized									
168.0	197.40	Laminated argillite									
		-with occasional bands of greywacke, graphite and thin tuffa-	2127	168.25	170.75	1.5	-		«5		7
		ceous horizons									
		S_o= S_1= 45- 50° TCA									
		168.5- 173.7: minor quartz veining in sericitic zone	2128	171.7	173.7	2.0	Tr		«5		8
		176.4- 179.6: graphitic zone									
		178.6- 179.4: tuffaceous horizon	2129	178.5	180.0	1.5	-		«5		3
		179.4- 191.0: massive bedded argillite no quartz veining									
		191- 197.4: secondary cleavage developed at 20°	2130	180.0	181.5	1.5	-		«5		7
197.4	198.04	Quartz- chlorite vein zone	2131	197.0	198.1	1.1	-		«5		50
		-marks contact of cycle					-				
			2132	198.5	200.0	1.5	-		«5		5
198.04	246.28	Carbonatized mafic volcanic	2133	208.5	210.0	1.5	-		«5		1
		-med green aphanitic mafic volcanic strongly carbonatized	2134	211	212.5	1.5	-		«5		2
		Foliation defined by calcitic bands (diffuse) in upper	2135	218	219.5	1.5	-		«5		2
		portions (to 213m) and by chloritic amygdules (clots) in	2136	225.75	227.25	1.5	-		«5		7
		lower portion	2137	227.7	229.2	1.5	-		«5		6
		S_1= 60° TCA S_2= 10° TCA same sense no rotation	2138	235.1	236.6	1.5	-		«5		10
		Veining is quartz carbonate with 3 direction S_1 parallel	2139	236.6	238.1	1.5	-		«5		15

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

No 90-A-4

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 12 de _____

De _____ à _____

Profondeur totale: _____

Journal: J B Sopata

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	À	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.	%Vein
									Ppb		
		Si perpendicular and S_2 parallel concentrated at 199- 201,									
		226- 229.5, 232.5- 241	2140	241.0	242.5	1.5	-		«5		2
		Carbonatization strongest in upper portion; hematized from 224	2141	244.75	246.25	1.5	-		«5		3
		to end.									
	246.28	End of hole									

MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A-5

Projet : Valrennes ACE
Claim : 387479-2
Canton : Valrennes
Rang :
Lot :
N.T.S. : 32E/09

Ligne : L5+00E Ord. : 5+50S
Section : Ord. :
Lat. : Long. :
Elévation Orifice:
Azimut: 030°
Niveau: -50°

Profondeur :
Plongée :
Azimut :
Commencé le : March 16, 1990
Terminé le : March 16, 1990
Entrepreneur : N. Morissette Canada Inc.

Couronne
AX: EX:
AQ: BQ

Feuille No 1 de 1
De à
Profondeur totale: 51.82

Journal: S.B. Lopatka
Date: March 16, 1990

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	A	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T	Vérif.
0	51.82	Casing (pulled)								
51.82		End of Hole Casing slip on bedrock								

I.E.H.-2323

MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A- 5A

Projet : Valrennes ACE | Ligne : L 5+00E | Ord. : 5+50S | Profondeur : | Couronne

Claim : 387479-2 | Section : | Ord. : | Plongée : | AX: EX:

Canton : Valrennes | Lat. : | Long. : | Azimut : | AQ: BQ

Rang : | Elévation Orifice: | Commencé le : March 17, 1990

Lot : | Azimut: 030° | Terminé le : March 17, 1990

N.T.S. : 32E/09 | Niveau: -55° | Entrepreneur : N. Morissette Canada Inc.

Feuille No 1 de 1

De à

Profondeur totale: 33.53

Journal: S.B. Lopatka

Date: March 17, 1990

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T	Vérif.
0	33.53	Casing (pulled)								
33.53		End of Hole (casing slipped on bedrock)								

LF H-2323

MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A-5B

Projet : Valrennes ACE | Ligne : L 5+00E | Ord. : 5+68.5S | Profondeur : 38.1 | 42.67 | 91.44 | 182.88 | 274.32

Claim : 387479-2/ 387479-3 | Section : | Ord. : | Plongée : -54 | -54 | -53 | -44 | -41

Canton : ~~Valrennes~~ | Lat. : | Long. : | Azimut : | | | 031.5°

Rang : | Elévation Orifice: | Commencé le : March 18, 1990

Lot : | Azimut: 030° | Terminé le :

N.T.S. : 32E/09 | Niveau: -55° | Entrepreneur : N. Morissette Canada Inc.

Couronne AX: EX: AQ: BQ

Feuille No 1 de

De à

Profondeur totale: 369.54

Journal: S.B. Lopatka

Date: March 18, 1990

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T ppb	Vérif.	%Vein
0	36.58	Casing (left in hole)									
36.58	261.52	Chlorite amygdoloidal basalt	2142	38.40	39.93	1.53	-		«5		1
		-massive dark green, aphanitic mafic volcanic with 10- 40%									
		subrounded to lensoid chloritic amygdules. Ranging in size	2143	42.06	43.59	1.53	-		«5		-
		from 1-2mm up to 3cm. Occasional zones of plagioclase pheno-									
		crysts, subhedral to diffuse, 1-3mm in size, feldspars show	2144	48.46	49.99	1.53	-		«5		-
		minor sausseritization.									
		-structurally the basalt is generally massive, periodically	2145	56.08	57.61	1.53	-		«5		«1
		zone of foliation development observed. Rare zones of shea-									
		ring and gouge.	2146	60.35	61.87	1.52	-		«5		1
		-alteration consists of ubiquitose weak carbonatization meteo-	2147	66.45	67.97	1.52	-		«5		-
		ric leaching along joint planes down to 130m									
		several zones of concentrations of joint planes and related	2148	70.41	71.93	1.52	-		«5		2
		leaching may be source of weak I.P. response (hydro conductivi-									
		ty)	2149	75.59	77.11	1.52	-		«5		-
		Silicification strong in central portion of unit (138- 198m)									
		consist of several intensely silicified zone in this interval	2150	83.21	84.73	1.52	-		«5		3
		-veining variable in intensity through unit	2151	89.0	90.53	1.53	-		«5		1
		36.58 to 100 nil, 100- 130 minor (1-3%), 130- 145									
		moderate (5%), 130- 185 minor (2- 3%), 185- 190 moderate (5%)	2152	95.40	96.93	1.53	-		«5		3

LF H-2323

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

No 90-A- 5B

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ _____ _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ _____ _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ _____ _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 2 de _____

De _____ à _____

Profondeur totale: _____

Journal: S B Spathos

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T ppb	Vérif.	%Vein
		190- 250 minor (2- 3%)									
		veining consists predominantly of small (1cm), cross cutting	2153	96.93	98.45	1.52	Tr		30		5
		foliation, quartz calcite veins to quartz veins. Larger veins									
		limited to 4 zones and associated with sericiticly altered									
		host and shear zones.	2154	103.93	105.46	1.53	-		«5		5
		36.58- 66.75: Generally massive									
		66.75- 73.46: Schistosity at 48° TCA moderate to strong concen-	2155	108.51	110.03	1.52	-		«5		15
		tration of plagioclase phenocrysts									
		66.75- shear gouge- consists of 3cm central quartz-chlorite	2156	117.04	118.57	1.53	-		«5		15
		vein with 7cm sericitic cleavage; trace pyrite									
		quartz vein at 15° TCA	2157	122.83	124.36	1.53	-		«5		10
		73.46- 85.34: Weakly foliated at 47° TCA	2158	128.02	129.54	1.52	-		«5		5
		85.34- 93.88: Very weak foliation									
		93.88- 106.70: foliation increases to shear gouge at 97.5 (30°	2159	132.74	134.26	1.52	-		«5		10
		TCA) and then weakens. S_2 variable from 45° TCA at top &									
		bottom to 30° TCA in central shear zone	2160	136.86	138.38	1.52	-		«5		7
		106.70- 112.17: weakly foliated at 45° TCA	2161	144.48	146.0	1.52	-		«5		5
		112.17- 121.92: massive									
		118.26: 15 cm quartz chlorite vein with 10cm sericitic	2162	148.74	150.27	1.53	-		«5		2
		selvage	2163	154.84	156.36	1.52	-		«5		-

MINES AGNICO EAGLE LTÉE

JOURNAL DE SONDAGES

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

No 90-A- 5B

Feuille No 3 de _____

De _____ à _____

Profondeur totale: _____

Journal: SB Spatten

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T ppb	Vérif.	%Vein
		121.92- 140.21: Weakly foliated at 52° TCA									
		123.14 central 3cm quartz-chlorite vein with 5cm sericitic	2164	162.46	163.98	1.52	-		«5		3
		selvage									
			2165	168.55	170.08	1.53	-		«5		5
		140.21- 259.08: Moderately foliated at 53° TCA	2166	173.13	174.65	1.52	-		«5		4
		145- 145.24: two 3cm quartz veins in silicified sericitic	2167	179.22	180.75	1.53	-		«5		10
		host rock	2168	186.23	187.76	1.53	-		«5		6
			2169	191.41	192.94	1.53	-		«5		10
		186.78- 186.84: 5cm quartz-chlorite vein with sericitic	2170	196.29	197.82	1.53	-		«5		15
		selvage	2171	203.30	204.83	1.53	-		«5		20
		196.29- 204.82: zone of 15% small (1cm) quartz-chlorite	2172	209.70	211.23	1.53	-		«5		2
		sericite veins	2173	215.80	217.32	1.52	-		«5		2
		222.50- 256.95: zone of increased veining, hematization and	2174	222.50	224.03	1.53	-		«5		15
		silicification. Veining exhibits various orientations, with	2175	228.0	229.51	1.51	-		«5		10
		common vein sets as above overprinted by complex irregular	2176	230.12	231.65	1.53	-		«5		20
		veins	2177	235.31	236.83	1.52	-		«5		15
		Vein are composite quartz-carbonate mix with ankerite alte-									
		ration over vein widths in host some sericitic veins persist	2178	237.13	238.96	1.83	-		«5		7
		236.22: strong iron carbonate veining with sericitic stringers									
		in wallrock									
		245.67- 246.06: iron carbonate veins with minor sericitiza-									
		tion	2179	245.36	246.89	1.53	-		«5		10
		247.95- 249.33: altered and veined zone (5- 6% vein) with	2180	246.89	248.41	1.52	-		«5		5
		chloritic stringers giving brecciated appearance.	2181	248.41	249.94	1.53	-		«5		7

LF H-2227

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ _____ _____

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ _____ _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ _____ _____

Rang : _____ Elévation Orifice: _____

Lot : _____ Azimut: _____

N.T.S. : _____ Niveau: _____

Commencé le : _____

Terminé le : _____

Entrepreneur : _____

Couronne

AX: EX:

AQ:

INO 90-A- 5B

Feuille No 4 de _____

De _____ à _____

Profondeur totale: _____

Journal: S.B. Sopatka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T ppb	Vérif.	%Vein
			2182	249.94	251.46	1.52	-		«5		5
			2183	251.46	252.98	1.52	-		«5		7
			2241	259.99	261.52	1.53	-		«5		5
261.62	311.51	Dacitic tuff with lithic component									
		-medium green foliated fine tuffaceous unit with occasional	2184	261.52	263.04	1.52	-		«5		6
		lithic (argillite) fragments and rare quartz grains. This	2185	263.04	264.57	1.53	-		«5		20
		unit is a reworked volcaniclastic rock with some lithic	2186	264.57	266.09	1.52	-		«5		15
		input.	2187	266.09	267.61	1.52	-		«5		5
		261.52- 266.09: Shear Fault Gouge	2188	267.61	269.14	1.53	-		«5		1
		Sheared with gouge zone and 20% quartz veining RQD 0%	2189	269.14	270.66	1.52	-		«5		3
		266.09- 272.80: sericitic stringer zone	2190	270.66	272.19	1.53	-		«5		1
		15% stringer variably oriented RQD 10- 15%	2191	272.19	273.71	1.52	-		«5		1
		Weak sericitic stringers persist throughout unit	2192	273.71	275.23	1.52	-		«5		1
		286.82- 291.39: quartz iron carbonate veining zone RQD 70%	2193	275.23	276.76	1.53	-		«5		-
		1- 7cm quartz iron carbonate veins 30%	2194	282.55	284.07	1.52	-		«5		6
		295.05- 296.11: quartz calcite veining zone	2195	286.82	288.34	1.52	-		«5		20
		same as above but no iron carbonate	2196	288.34	289.86	1.52	-		«5		20
		311.81- 313.39: Sheared Sericitized Zone	2197	289.86	291.39	1.53	-		«5		15
		central quartz vein at 312.12 surrounded by completely	2198	295.05	296.57	1.52	-		«5		40
		sericitized sheared rock.	2199	299.62	301.14	1.52	-		«5		3
			2200	305.87	307.39	1.52	-		«5		10
			2201	310.29	311.51	1.22	-		«5		10
			2202	311.51	312.42	0.91	-		«5		30

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No 90-A- 5B

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ | _____ | _____

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ | _____ | _____

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ | _____ | _____

Rang : _____ Elévation Orifice: _____ Commencé le : _____

Lot : _____ Azimut: _____ Terminé le : _____

N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Couronne
AX: EX:
AQ:

Feuille No 5 de _____

De _____ à _____

Profondeur totale: _____

Journal: S B Lapatha

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON No:	De	À	Long.	ANALYSES % Py est.	% po. est.	Au. oz. T Ppb	Vérif.	%Vein
313.39	315.47	Greywacke									
		-banded lighter and darker grey bands 60° TCA	2203	312.42	313.64	1.22	-		«5		1
			2204	313.64	315.16	1.52	-		«5		2
315.47	322.48	Lapillae tuff	2205	315.16	316.69	1.53	-		«5		1
		20- 30% felsic and cherty fragments in a chloritized tuffaceous	2206	316.69	318.21	1.52	-		«5		5
		matrix. Upper contact sericitized and silicified	2207	318.21	319.74	1.53	-		«5		3
			2208	319.74	321.26	1.52	-		«5		3
322.48	324.99	Fine tuff- lapillae tuff									
		-mixed zone of fine and lapillae tuff with pyritic and pyrrho-									
		titic sediments									
		322.48- 322.63: quartz vein zone- chloritized and sericitized	2209	321.26	322.78	1.52	-		«5		30
		322.63- 323.18: fragmental rock with trace pyrite	2210	322.78	324.31	1.53	10	5	«5		-
		323.18- 323.24: quartz chlorite vein	2211	324.31	325.83	1.52	Tr		«5		20
		323.24- 323.42: pyrite- pyrrhotite chlorite band 40% combined									
		sulphides, silicified									
		323.42- 323.71: fine sericitic tuff									
		323.71- 323.90: fragmental rock with sericitic veinlets									
		323.90- 324.99: fine sericitic tuff with small quartz veinlets									
324.99	336.71	Lithic lapillae tuff to agglomerate	2212	325.83	327.36	1.53	-		«5		-
		-consists of volcanic (felsic), cherty and quartz fragments of	2213	327.36	328.88	1.52	-		«5		3
		lapillae to agglomerate size in a chloritic (sedimentary ?)	2214	328.88	330.40	1.52	-		«5		3
		matrix. Upper contact sericitized. $S_o = S_1 = 60°$ TCA	2215	330.40	331.93	1.53	-		«5		2
		328.88- 330.40: 30% quartz veins in sericitic host	2216	331.93	333.45	1.52	-		«5		2

LF H-2323

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No 90-A- 5B

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ _____ _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ _____ _____ AX: EX:

Canton : _____ Lat. : _____ Long. : _____ Azimut : _____ _____ _____ AQ:

Rang : _____ Elévation Orifice: _____ Commencé le : _____

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N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 6 de _____

De _____ à _____

Profondeur totale: _____

Journal: S B Sopatka

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	À	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.	%Vein
									ppb		
			2217	333.45	334.98	1.53	-		«5		1
336.71	347.17	Chloritic shard tuff	2218	334.98	336.50	1.52	-		«5		1
		consists of 10- 15% chloritic shards or alteration spots	2219	336.50	338.02	1.52	-		«5		3
		in a fine tuff matrix. Upper contact sharp at 70 ° TCA	2220	338.02	339.55	1.53	-		«5		15
		338.02- 338.33: quartz-chlorite-carbonate vein	2221	339.55	341.07	1.52	-		«5		1
			2222	341.07	342.60	1.53	-		«5		1
		346.10- 347.26: quartz-sericite veining zone (10%)	2223	342.60	344.12	1.52	-		«5		5
			2224	344.12	345.64	1.52	-		«5		2
347.17	353.26	Fragmental to lapillae tuff	2225	345.64	347.17	1.53	-		20		10
		same as 324.99- 336.71: except 5% pyritic blebs throughout.	2226	347.17	348.69	1.52	5		«5		-
		Blebs are 1- 2cm ovoid in shape	2227	348.69	350.22	1.53	5		«5		1
			2228	350.22	351.74	1.52	5		5		-
353.26	355.40	Fine tuff	2229	351.74	352.96	1.22	5		25		-
		-sericitized with 50% quartz veining	2230	352.96	354.48	1.52	-		15		60
			2231	354.48	356.01	1.53	-		65		40
			2232	356.01	357.53	1.52	-		«5		-
355.40	369.54	Basalt	2233	357.53	359.05	1.52	-		«5		-
		-medium green fine grained mafic volcanic with stretched	2234	359.05	360.58	1.53	-		40		-
		chlorite amygdules. Occasional feldspar porphyritic sections.	2235	360.58	362.10	1.52	-		«5		-
		Similar to chlorite amygdule basalt in hole 90-A-1 & 2	2236	362.10	363.63	1.53	-		«5		3
		- Upper contact is bleached for 7 meters	2237	363.63	365.15	1.52	-		«5		5
			2238	365.15	366.67	1.52	-		«5		1

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MINES AGNICO EAGLE LTEE

JOURNAL DE SONDAGES

No 90-A- 5B

Projet : _____ Ligne : _____ Ord. : _____ Profondeur : _____ _____ _____ Couronne

Claim : _____ Section : _____ Ord. : _____ Plongée : _____ _____ _____ AX: EX:

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N.T.S. : _____ Niveau: _____ Entrepreneur : _____

Feuille No 7 de _____

De _____ à _____

Profondeur totale: _____

Journal: _____

Date: _____

DE	À	GÉOLOGIE	ÉCHANTILLON				ANALYSES				
			No:	De	À	Long.	% Py est.	% po. est.	Au. oz. T	Vérif.	%Vein
									ppb		
			2239	366.67	368.20	1.53	-		«5		1
			2240	368.20	369.54	1.34	-		«5		15
	369.54	End of hole									

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