

GM 62029

TECHNICAL REPORT AND RECOMMENDATIONS, SUMMER 2005 DRILLING PROGRAM, NOELLA PROJECT

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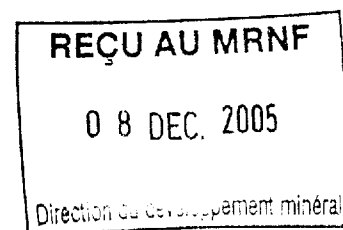
ITEM 1 TITLE PAGE

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Technical Report

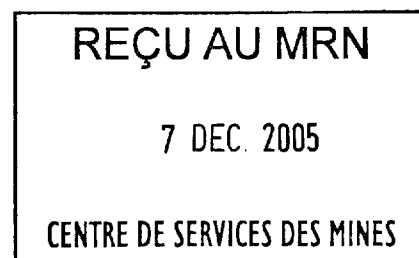
**Technical Report and Recommendations
Summer 2005 Drilling Program, Noëlla Project, Québec**

**MINES D'OR VIRGINIA INC.
November 2005**

GM 62029

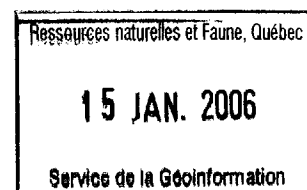


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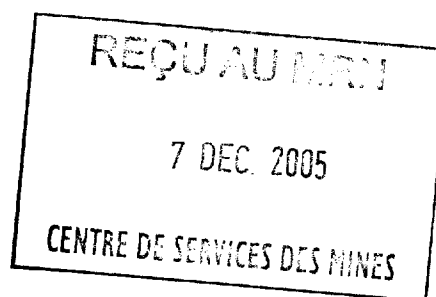
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ITEM 3 SUMMARY

The Noëlla permit is located in the centre of the Québec province, just north of the La Grande River, some 90 km ESE of the LG4 airport of Hydro-Québec and 38 km south of the Trans-taiga road. The property is 100% owned by Virginia Gold Mines Inc. (Cambior Inc. retains a 1% NSR royalty) and comprises one (1) exploration permit MEP 1421 and 40 designated cells or claims. See appendix 1 for the listing of all designated cells.

From 1999 to 2003, one airborne EM-Mag survey and two IP surveys (Dead Mouse and Sous-Marin grids) have been realized over the Noëlla Property as well as three prospection campaigns, two mechanical trenching campaigns and one drilling campaign. Two new grids were completed during winter 2005 which were shortly after surveyed with different geophysical methods. Combined Mag and IP surveys were carried on on the East-West grid while Mag and Max-Min surveys were completed in the BIF-Est grid.

The 2005 drilling campaign included 7 drillholes and was designed to test targets on three of the four grids of the property. Some of these drillholes tested already known gold occurrences in order to intersect their extension at depth. Other drillholes tested geophysical anomalies in areas where many boulder and till samples returned anomalous gold values. Unfortunately, only one drillhole (NO-05-25) intersected a significant gold-bearing interval. That mineralized zone corresponds to a banded iron formation and its associated quartz vein flooding found along the Bear iron formation (Dead Mouse Grid). The interval graded **0.812 g/t Au over 7.2 m** including **2.188 g/t Au over 2.2 m** in the quartz vein flooding alone. All other six drillholes failed to return interesting intervals despite a few anomalies in gold and copper.

The 2005 drilling campaign obviously brought a better comprehension of the geological and structural features of the property. No immediate fieldwork is planned on the Noëlla property. As of now, it is highly recommended to proceed to a reevaluation of criteria controlling gold-enrichment in many lithologies over the entire property.

ITEM 4 INTRODUCTION AND TERMS OF REFERENCE

The purpose of this report is to present the status of current geological information generated from Virginia Gold Mines Inc.'s ongoing exploration program on the Noëlla Property and to provide recommendations for further work.

All the data provided mainly comes from works realized by Virginia Gold Mines Inc since 1999 on the Noëlla Property. Virginia Gold Mines has supervised the vast majority of the exploration programs carried out to date on this property. Other information, available as assessment reports at the offices of the *Ministère des Ressources naturelles et Faune du Québec (MRNF)*, has been referred to in the text and added to the reference list.

This report provides the status of current technical geological information relevant to Virginia Gold Mines's exploration program on the Noëlla project in Québec and has been prepared in accordance with the Form 43-101F1 Technical Report format outlined under NI-43-101. The report also provides recommendations for future work.

ITEM 5 DISCLAIMER

Co-author François Huot, geologist with a Ph.D. in Marine Geosciences and consultant in mineral exploration (Géo-conseils TB), has been involved in the fieldwork campaign at Noëlla Project. Co-author Paul Archer, geological engineer with a M.Sc.A in Earth Sciences and Virginia's Vice-President, Exploration, is responsible for the design and is the qualified person for all Virginia's exploration programs.

ITEM 6 PROPERTY DESCRIPTION AND LOCATION

The Noëlla permit is located in the centre of the Québec province, just north of the LaGrande River, some 90 km ESE of the LG4 airport of Hydro-Québec and 38 km south of the Trans-taiga road (Fig. 1).

The property is 100% owned by Virginia Gold Mines Inc. (Cambior Inc retains a 1% NSR royalty) and comprises one (1) exploration permit (MEP 1421) covering 92 km² and 40 designated cells (Appendix 1). Both cells and permit represent an area of 107 km² (Fig. 2).

Latitude: 53°63' North
Longitude: 71°94' West
NTS: 23 E/12, (and 33H/09)
UTM zone: 19 (NAD 27 for Canada)
NTS: 305 450 E
5 946 190 N

The Noëlla property has not been legally land-surveyed, but designated claim (cell) boundaries are delimited in Québec according to the international Long/Lat coordinate system, each cell being 00 0' 30" x 00 0' 30" in surface.

ITEM 7 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

The altitude in the area varies from 420 m to 580 m. Lakes, swamps, quaternary cover (over 5 m) and a relatively flat topography constitute the main topographic elements. Outcropping areas are extremely scarce. The Noëlla property is located on the 1:50 000 NTS 23 E/12 and 33H/09 sheets. Vegetation is dominated by black spruce. The ground is free of snow from June to mid-October.

Access to the project area is by float plane or helicopter during summer and by ski-equipped plane, helicopter or snowmobile during winter. The closest facility is the Mirage outfitter camp located some 60 km to the NW. The Mirage outfitter camp can provide food supply as well as fuel. The drilling sites were located between 1 and 7 km from the camp. An AS-350 AStar BA, supplied by Canadian Helicopters, was used for crew and material transportation.

ITEM 8 HISTORY

8.1. Property ownership

The property is 100% owned by Virginia Gold Mines Inc. (Cambior Inc retains a 1% NSR royalty).

8.2. Previous work

Table 1 summarises all the works performed in the area of the project over the last years.

Table 1. Summary of previous works performed in the Noëlla project area.

<u>Geological Survey of Canada (1966)</u> - Reconnaissance mapping at a scale of 1: 1 000 000 by Eade. <u>SDBJ (1978)</u> - Lake sediments geochemical survey of the Nitchequon Lake area. <u>Ministry of Natural Resources of Québec (1996)</u> - Lake sediments geochemical survey of the Nitchequon Lake area. <u>Ministry of Natural Resources of Québec (1998)</u> - Geological mapping of the NTS 23E sheet, at a scale of 1:250000. Discovery of mineralization at Duhesme-1 to 5 sites, later part of the Noëlla property. <u>Mines d'Or Virginia - Cambior JV (1998)</u> - Reconnaissance mapping and prospecting of the eastern portion of 33H sheet and western portion of 23E sheet. Staking of MEP'S 1422, 1451 and 1421. - Helicopter-borne Em-Mag surveys by Sial Géosciences inc. on all MEP'S. <u>Mines d'Or Virginia - Cambior JV (1999)</u> - Reconnaissance mapping and prospecting of MEP'S 1422, 1451 and 1421, Caniapiscou Project. Discovery of the Sous-Marin (265 g/t Au) and Dead Mouse showings (2.5 g/t Au), both in MEP 1421 (Noëlla). <u>Mines d'Or Virginia - Cambior JV (2000)</u> <u>March</u> - 78.0 km of line cutting, 69.0 km of IP and ground magnetic surveys (Sous-Marin grid). <u>Summer</u> - Mapping at a scale of 1:10000 of the Sous-Marin grid and geological reconnaissance around the Dead Mouse showing; discovery of Dead Mouse Extension (up to 5.9 g/t over 3.8 m). <u>Mines d'Or Virginia - Cambior JV (2001)</u> <u>August to September</u> - 52.4 km of line cutting, 47.4 km of IP and ground magnetic surveys (Sous-Marin grid). <u>September</u> - Mapping at a scale of 1:2500 of the Dead Mouse grid;discovery of Bear showing (up to 5.4 g/t over 4.9 m). <u>Mines d'Or Virginia (2002)</u>

August to September

- 43 trenches performed by Super Hoe on the Dead Mouse grid. Detailed mapping and channel sampling performed.

Mines d'Or Virginia (2003)February to March

- 34 holes on 19 different targets were drilled over the Dead Mouse showings for a total of 1821 m.

September to October

- 18 trenches performed by Super Hoe in the South East, Sous-Marin and Dead Mouse areas. Detailed mapping and channel sampling performed.

Mines d'Or Virginia (2005)March-April

- Grid cutting plus IP, Max-Min and ground magnetic geophysical surveys on East-West and BIF-Est grids.

ITEM 9 GEOLOGICAL SETTING

Regional Geology

The area covering NTS 23E and 33H sheets lies in the southeastern part of the Superior Province. Work carried out by the *MRNF* over the past several years led to modifications of lithotectonic subdivisions proposed by Card and Ciesielski (1986). The new subdivision regroups five sub-provinces belonging to the Superior Province, namely: La Grande, Opinaca, Ashuanipi, Opatika and Caniapiscau (Leclair et al., 1997; 1998). Lithological units covered by the property are all part of the La Grande sub-province or later intrusive suites.

The La Grande sub-province is primarily composed of ancient tonalitic gneiss and volcano-sedimentary assemblages crosscut by granitic intrusions and ultramafic dykes. The kilometric to deca-kilometric supracrustal belts were dated at 2.73 Ga in the western portion of the sub-province (Gauthier et al., 1998). They are mainly composed of mafic to felsic volcanic and intrusive rocks, sedimentary rocks and banded iron formations (BIF). In its eastern portion, the La Grande sub-province contains the Duhesme Lake volcano-sedimentary belt.

The Opinaca sub-province, found to the south of the region under study, is apparently thrust to the north over the La Grande assemblage along the Dalmas Fault. In this eastern portion of the Opinaca, granulitic and partially migmatized metasediments form the Hublet Group. These metasediments are considered as the eastern equivalent of the Rossignol-Laguiche Group found in the western part of that sub-province (Gauthier et al., 1997).

Property Geology

The limits of the property essentially cover supracrustal rocks of the La Grande sub-province plus intrusive rocks of younger ages. The La Grande is represented by lithologies of the Lake Duhesme belt which includes supracrustal rocks of the Dalmas and Thor formations plus the Dutreuil Suite. Both of these formations and the suite were considered as part of the Duhesme Group by Labbé and Bélanger (1998). According to Lamothe et al. (2000), the Thor Formation

conglomerate should not be part of the Duhesme Group since it unconformably overlies volcano-sedimentary rocks of that group. Moreover, they are confident that mafic and ultramafic intrusions are younger than the Duhesme Group, and so they grouped them into the Dutreuil Suite. The Dalmas Formation includes lithic wacke and paragneiss together with amphibolites (metabasalts) and common BIF's.

BIF's are thin (less than 10 m) and commonly folded. They present all three facies: oxide, silicate and sulphides. Intense quartz veining is locally present and is, in many cases, richer in gold than any other BIF facies. Gold also seems to be more abundant in arsenopyrite-rich intervals. Many BIF's horizons are present. There is a major horizon at the interface between metabasalts and metasedimentary rocks, and other ones that are considered as intra-volcanic or intra-sedimentary.

The Duhesme volcanosedimentary rocks and the Dutreuil Suite lithologies have metamorphic assemblages typically found at the amphibolite facies. Such metamorphic overprint is pre or syn-tectonic as suggested by the realignment of these metamorphic minerals along the main foliation.

The structural pattern is complex and varies from one site to another in the property. For instance, the iron formation in the Dead Mouse grid forms an opened syncline having an E-W axial plane. The iron formation extension was followed on many trenches at surface and its attitude at depth was revealed with drilling done in 2003 and 2005. Stratigraphic horizons flatten towards the center of the syncline and may even form culminations. The magnetic signature suggests the presence of this fold too. It also shows that the northern portion of the Dead Mouse grid and the whole East-West grid cover magnetic lithologies disrupted along E-W structural breaks. The thick quaternary cover in the E-W grid limits the outcrop exposure. Mapping revealed that the northern part of the grid is dominated by metasediments whereas its southern part is more metabasaltic in composition. Schistosity turns from NE to SE going towards the BIF-Est grid. The BIF horizon located at the interface between metabasalts and metasedimentary rocks was not seen in the E-W grid. However, many thin intra-metabasaltic BIF horizons are known. The BIF-Est grid contains a NW-SE BIF that was trenched but never drilled.

Besides granite and pegmatite, the property also hosts late felsic intrusive rocks with respect to the La Grande lithologies. The most common of these felsic rocks corresponds to a biotite-bearing tonalite that is part of the Lariboisière Suite according to Lamothe et al. (2000). In the Sous-Marin grid, that tonalite was considered of high interest because of its gold anomalies found in quartz veins. Its areal extension is yet unknown. Mineral lineation (N083°/13°) given by stretching of biotite and other silicates, together with the attitude of quartz veins (N265°/40°), is fairly flat. Foliation is locally present but very weak when compared to mineral lineation. At least two ultramafic units were distinguished over the Sous-Marin grid. The thinner ultramafic horizon is located in the northeastern part of the grid and the thicker one was mapped in the central portion of the grid. This latter horizon seems to be oriented into an E-W direction. These two ultramafic horizons are also revealed by the magnetic signature. Gradual transition in composition from ultramafic rocks to metabasalts in volcanic packages from Sous-Marin and Dead Mouse grids suggest that both lithologies are contemporaneous and not of different ages as proposed by Lamothe et al. (2000).

ITEM 10 DEPOSIT TYPES

Before Virginia was active in the area, the *MRNF* had already outlined a few sites of potential interest known as Duhesme 1 to 5. Duhesme 1 was the most interesting and corresponds to a gold-rich (6.30 g/t Au; 0.12% Ni; 13% As) boulder of silicate facies iron formation found in the western part of the property.

Since the beginning of Virginia's work, at least three types of gold mineralization have been outlined on the Noëlla property. The most common type is related to gold-bearing iron formations. Such occurrences occur in the Dead Mouse and BIF-Est grids and are characterized by high mags and EM anomalies. The gold-rich boulder found by the *MRNF* is probably derived from the iron formation covered by the Dead Mouse grid. The two main gold-bearing zones are known as Bourdon and Bear showings which are located in the Dead Mouse grid. At Bourdon showing, best values were obtained from the 2002 trenching program with as high as **5.33 g/t Au over 10.7 m** from TR-02-01. In 2003, a grab sample returned **21.81 g/t Au** with channel sampling grading as high as **3.79 g/t Au over 3.90 m** (TR-NO-03-18). Three short drillholes tested mineralization at depth in 2003. Only one crosscut a gold-bearing interval (**2.03 g/t Au over 1.37 m**; NO-03-10A) in a sulphide-rich iron formation hosting quartz vein flooding.

At Bear showing, gold occurs in a 4-6 m thick iron formation affected by a kilometre-scale open fold structure plunging to the east. Systematic trenching and sampling followed by sporadic drilling along that folded structure has demonstrated that this iron formation is highly anomalous in gold over a strike length of more than 1.2 km. Gold is associated with alteration zones containing hornblende, grunerite, pyrrhotite and arsenopyrite. These alteration zones commonly form haloes around a network of boudinaged, centimetre to metre-scale quartz veins. The Bear showing itself, located close to the fold hinge, is a 100 m long mineralized panel that returned values as high as **10.84 g/t Au over 4.0 m** in trenches. Drillholes done in 2003 confirmed the anomalous gold content of this iron formation despite lower values. Best intervals at depth graded **12.47 g/t Au over 1.95 m** (NO-03-08A) and **4.37 g/t Au over 1.71 m** (NO-03-02B).

The iron formation also extends in the southeastern part of the property covered by the BIF-Est grid. In this area the thickness of the iron formation reaches up to 8 m in fold hinges. It sporadically stretches over 1.4 km along a NW-SE orientation. The contact with metawacke is often sheared while the one with mafic volcanics is often characterized by a garnet concentration. The silicate iron formation facies, containing grunerite and hornblende, is dominant even though some zones are more magnetite- and sulphide-rich. Pyrrhotite (2-8%) represents the most common sulphide. Chalcopyrite, arsenopyrite and pyrite are also present locally. Several dismembered centimetre-scale quartz veins are present and appear to be sub-parallel to the banding. Silicification, quartz veins flooding and chlorite alteration are also present locally. Gold grades are sub-economic with the best interval grading **0.80 g/t Au over 5.2 m**. A grab sample from a basalt-hosted quartz vein returned **1.1 g/t Au** too.

The second deposit type was found on the Sous-Marin grid. Work performed on that grid outlined gold-bearing quartz veins within a medium-grained biotite-bearing tonalite having a strong mineral lineation (lode gold deposit). Gold values reach up to **10.8 g/t Au** on a grab sample and **4.87 g/t Au over 1.2 m** in TR-NO-03-14 trench. The auriferous quartz veins contain

sulphides that could be responsible for IP anomalies. Moreover, the magnetic character of this tonalite also produces a strong positive magnetic signature.

The third type of deposit is interpreted from structural data, magnetic signatures, IP anomalies, Au±Cu-bearing boulders and gold-rich till samples (**116 and 152 gold grains**). Values up to **2.30 g/t Au and 0.625% Cu** in a basaltic boulder and **2.95 g/t Au** in a boulder of iron formation have been obtained in previous field activities. One of the objectives of the 2005 drilling campaign was to intersect gold-bearing horizons related to E-W structures associated with sulphides that could explain IP anomalies.

ITEM 11 MINERALIZATION

Prospecting

Two samples returned anomalous values in gold and copper and silver (Fig. 3). Sample 73502 collected from an amphibolite boulder on the East-West grid yielded **0.175 g/t Au**. That boulder was filled with quartz veins and contained 3-4% pyrrhotite and pyrite. Sample 73505 was collected in a 20 cm thick quartz-rich interval in mela-amphibolites close to the BIF-Est grid. Sulphide content reaches up to 5% pyrrhotite and 1-2% chalcopyrite. That site corresponds to a beep-mat detected conductor that returned **0.96% Cu and 8.2 g/t Ag**. It is located close to the Duhesme-3 showing found by the *MRNF* which graded 900 ppm Cu at the contact between wacke and metabasalt (Lamothe, 2000). Table 2 gives analytical results of our two samples.

Table 2. Anomalous metal values obtained during 2005 prospecting.

Outcrop/Boulder	Sample	UTME	UTMN	Au g/t	Ag g/t	As ppm	Cu ppm
Boulder	73502	310112	5944228	0.175	0.6	8	182
FH-NO-05-05	73505	310884	5943730	0.010	8.2	<5	9600

Drillholes

From the 7 drillholes done during this campaign only one crosscut a significant gold-bearing zone. That zone returned **0.812 g/t Au over 7.2 m** in a sulphide-bearing iron formation and a horizon of quartz vein flooding. That 3.2 m thick quartz-rich horizon, stacked between biotite-bearing metabasalts and the iron formation, returned **2.188 g/t Au over 2.2 m** which is included in the 7.2 m thick anomalous interval. Table 3 lists all intervals with grades above 100 ppb Au.

Amphibolites (or metabasalts) with anomalous Au content commonly have anomalous Cu content too, whereas iron formations with Au above 100 ppb are As-rich.

Table 3. Anomalous gold values obtained in drillholes

Drillhole	From (m)	To (m)	Length (m)	Au (g/t)	Ag (g/t)	As (ppm)	Cu (ppm)
NO-05-21	115.9	116.9	1.0	0.362	1.3	<5	399
NO-05-22	103.5	104.5	1.0	0.264	<0.5	<5	178
NO-05-24	11.5	12.5	1.0	0.287	<0.5	<5	17
NO-05-24	85.0	86.0	1.0	0.100	<0.5	<5	437
NO-05-24	88.0	90.0	2.0	0.238	2.1	5	2526
NO-05-24	202.5	203.0	0.5	0.138	8.0	22	3820
NO-05-25	121.8	129.0	7.2	0.812	<0.5	3471	24
<i>including</i>	<i>121.8</i>	<i>124.0</i>	<i>2.2</i>	<i>2.188</i>	<i><0.5</i>	<i>>10000</i>	<i>24</i>
NO-05-25	151.1	152.1	1.0	0.330	<0.5	5700	14
NO-05-25	153.1	154.1	1.0	0.184	<0.5	1670	9
NO-05-25	155.1	156.1	1.0	0.184	<0.5	2770	4
NO-05-25	157.1	158.1	1.0	0.158	<0.5	870	10
NO-05-25	161.0	162.7	1.7	0.143	<0.5	1066	24
NO-05-25	163.5	164.8	1.3	0.524	<0.5	1975	19
NO-05-26	136.1	137.7	1.6	0.539	<0.5	2560	32

ITEM 12 EXPLORATION WORK

Brief prospecting was effectuated over specific sites of the property during the duration of the diamond drilling operations. Descriptions were done by François Huot, Ph.D., Géo. (Géo-conseils TB) who was assisted by Mario Bertrand, technician. Small traverses were done on EM anomalies and in areas already prospected that had returned gold anomalies either on outcrops or in boulders. Six outcrops were described and a total of 5 samples were collected.

ITEM 13 DRILLING

Chibougamau Diamond Drilling Ltd effectuated the drilling operations that were in progress from May 27th through June 10th 2005. Mobilization of the crew towards the Noëlla camp took place on May 24th and 25th. Demobilization took place from June 10th through June 12th. Seven holes were completed for a total of 1290 m over the property. General information on these holes is given in table 4 and their respective log description is located in appendix 2. Their location is shown in figure 2. A summary for each of these holes is given below. The first author of the report supervised field activities and logged all drillholes from this campaign. Mario Bertrand was the technician assigned to rock splitting and sample preparation.

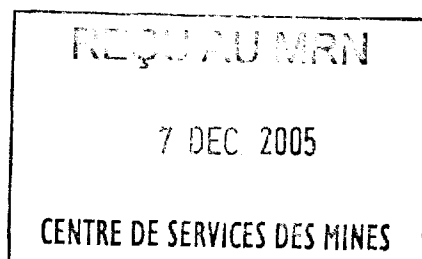


Table 4. General information on summer 2005 drillholes

Grid	Drillhole	Line	Station	Easting	Northing	Elevation	Azimet	Dip	Depth
Bourdon	NO-05-20	10+35W	0+21N	304201	5945444	475	West Grid	-52	126
East-West	NO-05-21	50+00E	9+50S	310148	5944160	488	North Grid	-50	177
East-West	NO-05-22	50+00E	7+22S	310160	5944388	495	North Grid	-50	150
East-West	NO-05-23	54+00E	5+30S	310571	5944558	457	North Grid	-50	150
Sous-Marin	NO-05-24	33+70E	8+25N	307853	5947397	466	South Grid	-60	249
Dead Mouse	NO-05-25	18+52W	8+16S	303341	5944651	530	220	-50	174
Dead Mouse	NO-05-26	17+97W	7+40S	303401	5944723	533	220	-55	264

Total: 1290 m

13.1. Summary of drillholes

All drillhole cross-sections are included in the pocket at the end of this report.

NO-05-20

This hole was planned so that it would intersect gold-bearing quartz/mobilizate veins in a N-S shear zone of the Bourdon showing at a depth of about 50 m. That shear zone crosscut the banded iron formation. This hole tested the deeper extension of a gold-bearing structure obtained in NO-05-10A that returned 2.03 g/t Au over 1.37 m (15.15-16.52 m) and which yielded economic intervals in trenches. Savard (2003) described this zone as a sulphide-rich iron formation overprinted by quartz flooding (30-40%).

The shallowest rock unit (4.5-10.6 m) corresponds to a weakly foliated, fine-grained metabasalt underlain by a fine-grained pyroxenitic horizon (21.4-105.0 m) of probable effusive origin. Pegmatite crosscuts these mafic and ultramafic rocks at three main different levels (10.6-21.4 m; 50.4-60.4 m; 87.8-102.0 m). An olivine-rich ultramafic rock was intersected from 105.1 to 126.0 m. The 71.2-75.4 m interval corresponds to an altered, whitish rock containing 1-2% pyrrhotite and pyrite. The mineral assemblage is represented by potassic feldspar, quartz, muscovite and minor tourmaline as groundmass and by a network of brown tourmaline and biotite veinlets. This potassic alteration is superimposed over an unknown protolith. Up to 30% quartz veins, devoid of sulphides, crosscut the altered rock. Weak epidotisation and carbonatation are noted. No significant value was obtained from that altered interval and no iron formation was crosscut. No ductile deformation is present despite widespread fracturing of the core.

NO-05-21

Drillhole NO-05-21 tested an E-W shear zone in amphibolites on the East-West grid. An IP anomaly (N-11), detected during a 2005 geophysical survey, was drilled in order to intersect a hypothetical mineralized zone at shallow depth under L50+00E and S9+06S. According to Rivest (2005), that anomaly is part a 300 m long corridor characterized by a high magnetic signature, a high chargeability and is a conductor. It is also at shallow depth and has a limited vertical extension. This part of the property was considered as potentially interesting because of

gold±copper-bearing boulders and two closely spaced gold-rich till samples (116 and 152 grains). Less than 220 m to the west of this hole, previous prospecting returned with **2.30 g/t Au and 0.625% Cu and 2.95 g/t Au** in boulders. Another boulder found 125 m NNE of this hole returned **0.81 g/t Au**. More than 10 boulders, having an anomalous Cu content (up to 0.63%), were also found in a 60 m x 50 m cluster some 200 m west of this hole.

This drillhole intersected a series of mafic orthogneiss alternating with thin (<5 m) silicate-facies iron formations. Mafic orthogneiss are composed of actinolitized hornblende and plagioclase with minor biotite and traces of pyrite and pyrrhotite. Some horizons show a moderate mineral lineation marked by the alignment of amphiboles. Quartz veins with thicknesses of a few centimeters, but reaching up to ten centimeters, sporadically crosscut the mafic rock. These veins are commonly associated to alteration haloes made up of actinolite, clinopyroxene, plagioclase, chlorite and minor garnet plus 1-2% pyrrhotite and pyrite (skarn-like alteration). None of them yielded anomalous content in gold.

The iron formation horizons were crosscut at depths of 19.2-22.6 m, 91.6-96.1 m, 100.4-101.9 m, 108.1-108.9 m, 115.9-116.9 m and 119.5-121.7 m. They are composed of green amphiboles, quartz, magnetite, epidote and minor garnet. Sulphides, commonly less than 5%, include pyrite and pyrrhotite that are either found parallel or crosscutting bedding laminae. Arsenopyrite and chalcopyrite are nearly absent except at the 108.1-108.9 m depth where they are found in trace proportions. Pyrite does also occur in late millimetric crosscutting stringers containing quartz and calcite too. Well-developed laminae are often folded and boudinated in all iron formation occurrences. Contacts with adjacent rock units are mainly sharp and regular. Only one interval had an anomalous gold content of 362 ppb (115.9-116.9 m).

NO-05-22

Drillhole NO-05-22 tested the E-W shear zone at the location of the IP N-10 anomaly on the East-West grid. That IP anomaly was detected during a 2005 geophysical survey. The drillhole was planned to intersect a mineralized zone at shallow depth under L50+00E and S6+75S. According to Rivest (2005), that anomaly is part of a 100 m long corridor characterized by a high magnetic signature with a high chargeability. The anomaly is interpreted to be at a shallow depth. That hole located 228 m north of NO-05-21 is also relatively close to clusters of anomalous boulders and tills previously described.

This drillhole intersected a lithological package quite similar to that in NO-05-21. Mafic orthogneiss occupies the near total length of the drillhole except for two narrow horizons of silicate-facies iron formation hit from 23.4 to 25.5 m and 38.1 to 38.5 m. The orthogneiss is fine-grained and composed of actinolitized hornblende and plagioclase. Sulphides are nearly absent except in zones where skarn-like alteration is present. This alteration is associated to millimetre to centimetre wide quartz and calcite veins crosscutting foliation. These veins are bordered by pale green alteration haloes made up of actinolite, clinopyroxene, chlorite, plagioclase and minor garnet and epidote. Up to 2% pyrrhotite and pyrite are found in these haloes. The only anomalous gold value is 264 ppb Au (103.5-104.5 m) in mafic orthogneiss.

NO-05-23

Drillhole NO-05-23 tested an IP anomaly detected during a 2005 geophysical survey. This anomaly is part of the 1 km long N-13 corridor characterized by weak chargeability. It is non magnetic and is associated to a very resistive zone too. According to Rivest (2005), this anomaly is typical of gold vein mineralization.

The rock sequence intersected by this drillhole includes a large variety of lithologies. As a whole, the sequence seems to correspond to a volcano-sedimentary package crosscut by felsic intrusive rocks. Weakly to moderately foliated paragneiss (wacke) is the most abundant supracrustal rock. It is mainly composed of quartz, plagioclase and biotite. Sulphide abundance is commonly below 1%, except at a depth of about 136 m where pyrrhotite reaches up to 5% over a few centimetres. In the last 25 m, the paragneiss is invaded by tonalitic injections (5-10% vol). From 50 m down to 150 m (end of hole), these metasediments turn greenish gray because of the presence of variable proportions of chlorite and actinolite. Moreover, some sub-metric mafic intervals were noted in between 35.5 and 76.1 m. These mafic intervals together with the appearance of ferromagnesian minerals in metasediments are suggestive of a larger nearby mafic package. Metabasalts were hit from 86.9 to 88.8 m and 98.7 to 103.9 m.

The felsic intrusive rocks described in this drillhole include medium-grained tonalite and granodiorite. These rocks have a weak foliation and local mineral lineation and mylonites.

NO-05-24

During the fall 2003 trenching campaign, several gold-rich samples were collected in quartz veins from a magnetic tonalitic tectonite in TR-NO-03-14 (Sous-Marin showing). Drillhole NO-05-24 was targeting that auriferous system at deep following the interpretation that the gold-bearing veins were shallowly dipping towards the north. The site is associated to magnetic and chargeability anomalies.

The first unit encountered in this drillhole is a medium-grained tonalite composed of quartz, plagioclase, biotite and minor chlorite, magnetite and hornblende. Mineral lineation is strong and well-developed. Sulphides are nearly absent except in zones containing quartz veins associated to chlorite, garnet and epidote where it can reach up to 1% pyrrhotite and pyrite. Some metre-wide intervals of mafic and ultramafic rocks are present and, when contacts are visible, the tonalite is clearly intrusive into these more magnesian rocks. A mineralized interval was crosscut at a depth of 88.0 to 90.0 m. Sulphides, such as pyrrhotite (5%), chalcopyrite (1%) and pyrite (1%), are concentrated into centimetre-wide irregular bands in tonalite. These sulphides are not genetically related to quartz veining despite such veins are present as late silification. Epidote is more abundant in proximity of these sulphides.

The deepest part of the tonalite is marked by a 5 cm wide phlogopite and talc-rich schist followed by pyroxenite from 95.2 to 100.3 m. Pyrrhotite (<2%) and chalcopyrite (trace) are present as disseminated sulphides in this unit. From 100.3 to 210.0 m, the ultramafic unit becomes more serpentine-rich suggesting an olivine-bearing protolith. The upper contact with the pyroxenitic rock is marked by a phlogopite schist less than 1 cm thick. The matrix is commonly poor in

sulphides except for a few zones having up to 10-15% pyrrhotite over less than 10 cm. Pyrrhotite is then in interstitial position with respect to silicates. The peridotitic horizon is brecciated which is characterized by subangular clasts of massive serpentine isolated by a network of mylonitic corridors. From 182.2 to 210.0 m, the rock seems to be an antigorite-rich, massive serpentinite (soapstone-like). From 210.0 to 222.0 m, the ultramafic horizon becomes more pyroxenitic with more than 90% actinolite and minor plagioclase (<5%). A thin horizon composed of quartz, plagioclase and biotite (5-10%), looking like a sandstone, was noted. The deepest rock unit hit in this drillhole is fine-grained metabasalt composed of actinolite, plagioclase with minor biotite. The transition with the upper unit is gradual. The sandstone-like horizons were noted too in the metabasaltic sequence. Three tourmaline-rich zones are described at 240.3 (20 cm thick), 241.5 (3 cm thick) and 241.8 m (4 cm thick). These basalt-hosted zones are characterized by semi-massive black prismatic tourmaline associated to quartz and plagioclase and are barren in sulphides. No significant gold-bearing interval was crosscut. The best values obtained were 361 ppb Au and 0.412% Cu over 1.0 m (89.0-90.0 m) in tonalite containing 5% pyrrhotite, 1% chalcopyrite and 1% pyrite distributed as irregular centimetric veinlets unrelated to quartz veinlets.

NO-05-25

Drillhole NO-05-25 tested the hypothesis that the gold-bearing Dead Mouse iron formation is folded into a synclinal shape and that the centre of the depression forms a culmination.

This drillhole first intersected a highly magnetic, medium-grained diabase (2.6-18.5 m) intruded into aphanitic, medium-green metabasalt composed of chlorite, actinolite and plagioclase (18.5-44.0 m). Pyrrhotite (1% locally) is evenly distributed. Several quartz, plagioclase and calcite veinlets associated to pale green alteration haloes made up of actinolite, clinopyroxene ?, chlorite, quartz and minor garnet with epidote are present. These alteration haloes commonly contain up to 1-2% pyrrhotite and pyrite. As a whole, this metabasalt seems to be silicified as suggested by the sound of a metallic object hitting the core. From 44.0 to 48.3 m, biotite is present as a groundmass mineral over discontinuous decimetric zones. A medium-grained gabbro was crosscut from 48.3 to 69.8 m. This gabbro, composed of actinolite, plagioclase and minor quartz and biotite, is weakly foliated and is affected by millimetric mylonitic corridors. Metabasalt is back from 69.8 to 120.8 m with a biotite content up to 10-20% starting at 114.4 m.

The core is invaded by quartz flooding from 120.8 to 124.0 m which apparently occurred in between the upper metabasaltic unit and the lower iron formation. Some basaltic relics were noted together with irregular decimetric zones of 1) actinolite, magnetite, chlorite and minor garnet and 2) massive black very fine-grained hornblende. The sulphide content becomes relatively abundant below 122.4 m with up to 5% arsenopyrite as clusters, 1% pyrrhotite and traces of chalcopyrite. This first intersected iron formation (124.0-133.5 m) is magnetite-rich (20%) and contains quartz, amphibole and epidote with traces of garnet. Bedding is well-defined and locally folded. Up to 5% pyrrhotite is found parallel to the bedding laminae whereas arsenopyrite, found locally, never exceeds 1%. The lower contact of this iron formation with the underlying paragneiss is masked by a 1.3 m thick aphanitic diabase. The paragneiss (134.8-174.0 m) is mostly fine-grained and contains plagioclase, quartz, biotite and minor muscovite. However, the 162.7-163.5 m interval is medium-grained and has a fairly strong mineral

segregation suggesting higher metamorphic grades. Some plagioclase-quartz veinlets were noted and may represent leucosomes. Three sediment-hosted iron formation horizons (151.1-160.0 m, 161.5-162.7 m, 163.5-164.8 m) were crosscut. All of them are quite similar to the first one found at the interface between metabasalt and paragneiss. Pyrrhotite is the dominant sulphide present in the iron formation horizons. Arsenopyrite (<1%) is only found in the 161.5-162.7 m interval. The lowermost paragneiss (164.8-174.0 m) seems to alternate with metric horizons of intermediate composition having a possible volcanic-derived component.

NO-05-26

Drillhole NO-05-26, like NO-05-25, tested the hypothesis that the gold-bearing Dead Mouse iron formation is folded into a synclinal shape and that the centre of the depression forms a culmination.

The shallowest unit (2.7-49.7 m) in this drillhole is a fine-grained biotite-bearing metabasalt containing actinolite and plagioclase. The pale green skarn-like alteration accounts for 10-15% of the core and includes 1-2% pyrrhotite, pyrite and chalcopyrite. Two thin diabase crosscuts this metabasalt. The metabasalt is underlain by a 0.3 m thick fine-grained wacke containing 2-3% pyrrhotite and traces of chalcopyrite plus a 2-5 mm thick band of semi-massive pyrrhotite crosscutting foliation. Then, drilling intersected fine-grained metabasalt from 50.0 to 132.6 m interrupted by a medium-grained, massive metagabbro from 60.8 to 71.2 m. Both of these mafic units contain mylonitic corridors, the pale green skarn-like alteration and <1% pyrrhotite and traces of chalcopyrite. Two sulphide-barren post-foliation plagioclase-quartz-calcite veins are present from 102.7 to 102.8 m and 103.7 to 104.0 m. Between 109.5 and 111.8 m, there is about 25-30% quartz veins late with respect to foliation and the skarn-like alteration but early compared to the carbonatation event. The thickest of these veins is 0.7 m. The mafic rock in the 119.0-132.6 m interval is medium-grained (2 mm) and could be described as a gabbro or diorite.

The only iron formation horizon intersected by this drillhole is approximately 5 m thick (132.6-137.7 m). It is composed of quartz (55%), magnetite (35%) and green amphibole (10%) well assigned to specific laminae. The green amphibole also crosscuts the different laminae. As background levels, the iron formation contains 1-2% pyrrhotite and <1% pyrite but the pyrrhotite content reaches more than 50% from 132.6 to 132.7 m and between 10-20% from 132.7 and 133.1 m.

Paragneiss has been drilled under the iron formation down to 264 m. The sedimentary sequence, characterized by plagioclase, biotite, quartz and minor chlorite, muscovite and garnet, begins with a fine-grained, massive texture but becomes progressively coarser-grained and more foliated with mineral segregation at greater depth. Plagioclase and quartz leucosomes are present suggesting weak partial melting. Coarse-grained pinkish granite occupies the 146.8-153.6 m, 169.5-181.6 m and 231.4-248.1 m intervals. This last interval contains up to 30% paragneiss floats having metric size. A 0.3 m thick silicate-facies iron formation with up to 10% pyrrhotite and 2% pyrite was noted (254.4-254.7 m) in the granite-injected paragneiss.

Moreover, the paragneiss is also crosscut by diabase from 138.7 to 141.2 m, 182.8 to 186.7 m, 193.8 to 207.8 m, 229.9 to 231.4 m and 241.9-242.3 m. Only one fine-grained metabasaltic horizon was crossed (186.7-193.8 m) in this whole sedimentary package.

ITEM 14 SAMPLING METHODS AND APPROACH

Rock samples collected during this drilling campaign were obtained to determine the elemental concentrations in a quantitative way by ALS Chemex, Val d'Or. These included both mineralized and barren rocks, the latter of which were selected for lithological controls. All samples are considered to be fresh, or weathering-free, since they have been collected in drillholes. The exact location of samples along the core length was determined by François Huot (geologist) while sampling was made by Mario Bertrand (technician) using an hydraulic core splitter supplied by Forage Chibougamau Ltd.

All samples were inserted, with their appropriate tag number, into individual bags by the technician. These individual bags were sealed with fibreglass tape and then placed in shipping bags. The authors are not aware of any sampling or recovery factors that would impact the reliability of the samples.

ITEM 15 SAMPLE PREPARATION, ANALYSIS AND SECURITY

15.1. Sample security, storage and shipment

Samples were collected and processed by the personnel contracted by Virginia. They were immediately placed in plastic sample bags, tagged and recorded with unique sample numbers. Sealed samples were placed in shipping bags, which in turn were sealed with fibreglass tape. Bags remained sealed until the ALS Chemex personnel (Val-d'Or, Québec) opened them.

All samples were initially stored at the campsite. Samples were not secured in locked facilities, this precaution deemed unnecessary due to the remote location of the camp. Samples were then loaded on a pick-up truck for transport to Val-d'Or where Mario Bertrand delivered them to the ALS Chemex sample preparation facility.

15.2. Sample preparation and assay procedures

After logging in, the samples were crushed in their entirety at the ALS Chemex preparation laboratory in Val-d'Or to >70% passing 2 mm (ALS Chemex Procedure CRU-31). A 200 to 250-g sub-sample was obtained after splitting the finer material (<2 mm). The split portion derived from the crushing process is pulverized using a ring mill to >85% passing 75 µm (200 mesh - ALS Chemex Procedure PUL-31). From each such pulp, a 100-g sub-sample was obtained from another splitting and shipped to the ALS Chemex laboratory for assay. The remainder of the pulp (nominally 100 to 150 g) is thrown away while the rejects are held at the processing lab for a period of three months for future reference. Two types of analytical packages have been used: Noëlla and GOLE. Each package is discussed below.

The Noëlla package was selected for samples suspected to contain gold and other precious or base metals. Ultramafic rocks were not sampled with this method. The Noëlla package includes Au, Ag, As, Cu, Pb, Sb and Zn. The Au content was obtained using the Au-AA23 method code which consists in a fire-assay fusion (FA-FUS01) followed by an atomic absorption spectroscopy finish using a 30-g sample. The lower detection limit is at 0.005 ppm and the upper one is at 10 ppm.

The GOLE package includes concentrations in Al, Fe, Mg, Cr and Ca, reported as oxides, and Ag, Co, Cu, Ni, Au, Pt, Pd and S. It was used for sampling of ultramafic rocks. Base metals of economic interest (Ni, Cu, Co) and Ag were determined using the ME-AA61 Procedure, a HF-HNO₃-HClO₄ digestion and HCl leach followed by AAS. Precious metals Au, Pt and Pd were determined by the PGM-ICP23 Procedure, a 30-g fire assay followed by ICP-AES. Elements of more general and geochemical interest such as Al, Fe, Mg, Cr and Ca were determined using the ME-XRF06 Procedure, a lithium meta or tetra borate fusion followed by XRF. Total sulphur was determined using a Leco sulphur analyzer (Geochemical Procedure S-IR08). For this method, the sample (0.5 to 5.0 g) is heated to approximately 1350 °C in an induction furnace while passing a stream of oxygen through the sample. Sulphur dioxide released from the sample is measured by an infrared spectrometer and the total sulphur result is provided.

ITEM 16 DATA VERIFICATION

Due to the relative grass-root nature of the exploration program, rigorous data verification procedures were not in place. The first author was involved in the collecting, recording, interpretation and presentation of data in this report and in the accompanying maps and sections. The data has been reviewed and checked by the first author and is believed to be accurate. ALS Chemex, as part of their standard quality control, ran duplicate check samples and standards. No sample was assayed at other laboratories since this check is considered somewhat less important in grass-root projects, which are generally characterized by small batches of unmineralized to weakly mineralized samples.

ITEM 17 ADJACENT PROPERTIES

This section is not applicable to this report.

ITEM 18 MINERAL PROCESSING AND METALLURGICAL TESTING

This section is not applicable to this report.

ITEM 19 MINERAL RESOURCE, MINERAL RESERVE ESTIMATES

This section is not applicable to this report.

ITEM 20 OTHER RELEVANT DATA

This section is not applicable to this report.

ITEM 21 INTERPRETATION AND CONCLUSIONS

The 2005 drilling campaign had for objectives to test, at shallow depth, a series of variable targets. Some of the drillholes were planned to intersect vertical extensions of known gold occurrences (Dead Mouse and Sous-Marin grids) while others targeted recently detected IP anomalies (new East-West grid).

The Bourdon showing was tested by drillhole NO-05-20. It is clear that the gold-bearing structure found at surface was not intersected at depth. That structure corresponds to a zone of quartz veins at the contact between sulphide-rich chert and an iron formation. Drillholes done in 2003 crosscut these chert and iron formation horizons and showed that they are shallowly dipping towards the north. Metasediments are found above them and metabasalts and ultramafic rocks are found below. Drillhole NO-05-20 went through the volcanic pile and never intersected the metasediments. It also confirmed that the gold-bearing structure is not continuous.

Three drillholes (NO-05-21 to 23) were done on the East-West Grid, which includes many gold±copper anomalies in boulders and high gold content in two till samples. Drillholes NO-05-21 and 22 intersected many horizons of amphibolite (metabasalt) and silicate facies iron formation whereas stratigraphy crosscut by NO-05-23 mainly includes paragneiss with minor amphibolite horizons and felsic intrusions. This paragneiss has a variable quantity of actinolite and chlorite which may result from the proximity of mafic volcanics at the time of magmatism. Besides late pegmatite, felsic intrusions include granodiorite (±tonalite, ±monzonite) injected into paragneiss. In both drillholes NO-05-21 and 23, mafic volcanics are commonly crosscut by thin quartz veins with alteration haloes containing skarn-related minerals. Local pegmatite is also present. The anomalous boulders and till still remain unexplained while IP anomalies and high mag may be explained by the different sulphide-bearing iron formations.

Drilling below trench TR-NO-03-14 in the Sous-Marin grid failed to intersect the gold-bearing veins found at surface. These veins are gently dipping towards the north so is the mineral lineation in the tonalite. Drilling confirmed the flat attitude of the tonalite which has a lower contact with ultramafics at 95.2 m. Evidence shows that tonalite clearly intruded mafic-ultramafic lithologies. The only anomalous gold content (maximum 361 ppb) comes from a mineralized zone with veinlets of pyrrhotite (5%), chalcopyrite (1%) and pyrite (1%) unlinked to quartz veinlets. Drilling also confirmed that ultramafic lithologies gradually change to mafic volcanics and minor metasediments with depth.

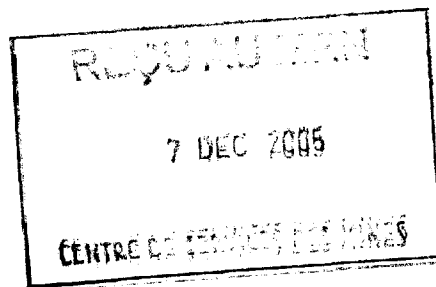
Finally, two drillholes (NO-05-25 and 26) tested the Bear showing extension on the Dead Mouse grid. These two drillholes were set behind NO-03-02A, B and C. As previously interpreted, the iron formation is really getting more flat with depth towards the centre of the syncline. The shallowest unit corresponds to metabasalts and metagabbros underlain by an iron formation with a maximum thickness of 12 m. This iron formation, together with its upper portion invaded by quartz vein flooding returned values of **0.812 g/t Au over 7.2 m**. As suggested by Savard (2003)

following the first drilling phase, intense quartz veining adjacent or inside iron formation seems to control gold mineralization. This upper iron formation horizon overlies a thick sequence of paragneiss with in turn hosts additional iron formations. The shallowest extension of these intra-sediment iron formations were crosscut by drillholes NO-03-02B and C and hit in their largest width in NO-05-25. However, none of them was intersected in NO-05-26. The upper iron formation, located between metabasalts and metasediments, becomes thinner towards south-east.

ITEM 22 RECOMMENDATIONS

The Noëlla property is now known to host a wide variety of gold-bearing lithologies. These include iron formation and its associated quartz flooding, metasediments, metabasalts, tonalites and ultramafic rocks. Up to now, drillholes failed to crosscut any substantial mineralized section that could extend known gold-rich intervals at surface.

Before planning any further field intervention, a reevaluation of criteria controlling gold-enrichment must be done. Many important gold-rich boulders and tills in the East-West Grid have not yet been explained. Moreover several geophysical targets on this grid and elsewhere on the property have yet to be tested.



ITEM 23 REFERENCES

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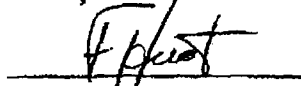
ITEM 24 DATE AND SIGNATURE**CERTIFICATE OF QUALIFICATIONS**

I, *François Huot*, resident at the 4174 rue D'Estrées, Québec, Qc, G2A 3P2, hereby certify that:

- I am presently a consultant in mining exploration (Géo-conseils TB), 4174 rue D'Estrées, Québec, Qc, G2A 3P2.
- I received a Ph.D. in Marine Geosciences from the Université de Bretagne Occidentale (Brest, France) in 2001, a M.Sc. in Earth Sciences from Laval University (Québec) in 1997, and a B.Sc. in Geology from Laval University (Québec) in 1994.
- I have been working as a geologist in mineral exploration since 1994.
- I am presently registered to the board of the *Ordre des Géologues du Québec*, permit number 502.
- I am a qualified person with respect to the Noëlla project in accordance with section 1.2 of the national instrument 43-101.
- I visited the study area during the spring of 2005.
- I am responsible for writing the totality of the present technical report utilizing proprietary exploration data generated by Virginia Gold Mines inc. and information from various authors and sources as summarized in the reference section of this report.
- I am not aware of any missing information or changes, which would have caused the present report to be misleading.
- I do not fulfill the requirements set out in section 1.5 of the National Instrument 43-101 for an « independant qualified person ».
- I have been involved in the Noëlla project since spring 2005.
- I read and used the National Instrument 43-101 and the Form 43-101F1 to make the present report in accordance with their specifications and terminology.

Dated in Québec, Qc, this 16th day of November 2005.

François Huot



François Huot, Ph.D., Géo.

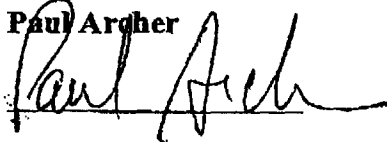
CERTIFICATE OF QUALIFICATIONS

I, *Paul Archer*, resident at the 4772-E rue Gaboury, St-Augustin-de-Desmaures, Qc, G3A 1E9, hereby certify that:

- I am presently the Vice President, Exploration with Virginia Gold Mines inc., 116 St-Pierre, Suite 200, Québec, Qc, G1K 4A7.
- I received a B.Sc. in Geological Engineering from the Université du Québec à Chicoutimi in 1979 and a M.Sc.A. in Earth Sciences from the Université du Québec à Chicoutimi in 1982.
- I have been working as a professional geologist in exploration since 1980.
- I am an active professional engineer in geology presently registered to the board of the *Ordre des Ingénieurs du Québec*, permit number 36271.
- I am a qualified person with respect to the Coulon Project in accordance with section 1.2 of the national instrument 43-101.
- I have never visited the immediate region where the exploration activities were undertaken.
- In collaboration with the first author, I have supervised the preparation and edited all sections of this report utilizing proprietary exploration data generated by Virginia Gold Mines inc. and information from various authors and sources as summarized in the reference section of this report.
- I am not aware of any missing information or change, which would have caused the present report to be misleading.
- I do not fulfill the requirements set out in section 1.5 of the National Instrument 43-101 for an «independant qualified person» relative to the issuer being a direct employee of Virginia Gold Mines inc.
- I have been involved in the Noëlla project since 2000.
- I read and used the National Instrument 43-101 and the Form 43-101F1 to make the present report in accordance with their specifications and terminology.

Dated in Québec, Qc, this 16th day of November 2005.

Paul Archer



Paul Archer, M.Sc., Eng.

ITEM 24 DATE AND SIGNATURE

CERTIFICATE OF QUALIFICATIONS

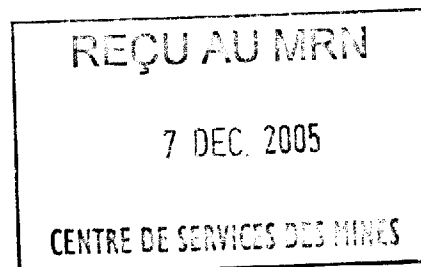
I, *François Huot*, resident at the 4174 rue D'Estrées, Québec, Qc, G2A 3P2, hereby certify that:

- I am presently a consultant in mining exploration (Géo-conseils TB), 4174 rue D'Estrées, Québec, Qc, G2A 3P2.
- I received a Ph.D. in Marine Geosciences from the Université de Bretagne Occidentale (Brest, France) in 2001, a M.Sc. in Earth Sciences from Laval University (Québec) in 1997, and a B.Sc. in Geology from Laval University (Québec) in 1994.
- I have been working as a geologist in mineral exploration since 1994.
- I am presently registered to the board of the *Ordre des Géologues du Québec*, permit number 502.
- I am a qualified person with respect to the Noëlla project in accordance with section 1.2 of the national instrument 43-101.
- I visited the study area during the spring of 2005.
- I am responsible for writing the totality of the present technical report utilizing proprietary exploration data generated by Virginia Gold Mines inc. and information from various authors and sources as summarized in the reference section of this report.
- I am not aware of any missing information or changes, which would have caused the present report to be misleading.
- I do not fulfill the requirements set out in section 1.5 of the National Instrument 43-101 for an « independant qualified person ».
- I have been involved in the Noëlla project since spring 2005.
- I read and used the National Instrument 43-101 and the Form 43-101F1 to make the present report in accordance with their specifications and terminology.

Dated in Québec, Qc, this 16th day of November 2005.

François Huot

François Huot, Ph.D., Géo.



CERTIFICATE OF QUALIFICATIONS

I, *Paul Archer*, resident at the 4772-E rue Gaboury, St-Augustin-de-Desmaures, Qc, G3A 1E9, hereby certify that:

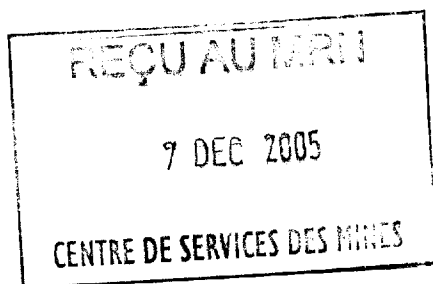
- I am presently the Vice President, Exploration with Virginia Gold Mines inc., 116 St-Pierre, Suite 200, Québec, Qc, G1K 4A7.
- I received a B.Sc. in Geological Engineering from the Université du Québec à Chicoutimi in 1979 and a M.Sc.A. in Earth Sciences from the Université du Québec à Chicoutimi in 1982.
- I have been working as a professional geologist in exploration since 1980.
- I am an active professional engineer in geology presently registered to the board of the *Ordre des Ingénieurs du Québec*, permit number 36271.
- I am a qualified person with respect to the Coulon Project in accordance with section 1.2 of the national instrument 43-101.
- I have never visited the immediate region where the exploration activities were undertaken.
- In collaboration with the first author, I have supervised the preparation and edited all sections of this report utilizing proprietary exploration data generated by Virginia Gold Mines inc. and information from various authors and sources as summarized in the reference section of this report.
- I am not aware of any missing information or change, which would have caused the present report to be misleading.
- I do not fulfill the requirements set out in section 1.5 of the National Instrument 43-101 for an «independant qualified person» relative to the issuer being a direct employee of Virginia Gold Mines inc.
- I have been involved in the Noëlla project since 2000.
- I read and used the National Instrument 43-101 and the Form 43-101F1 to make the present report in accordance with their specifications and terminology.

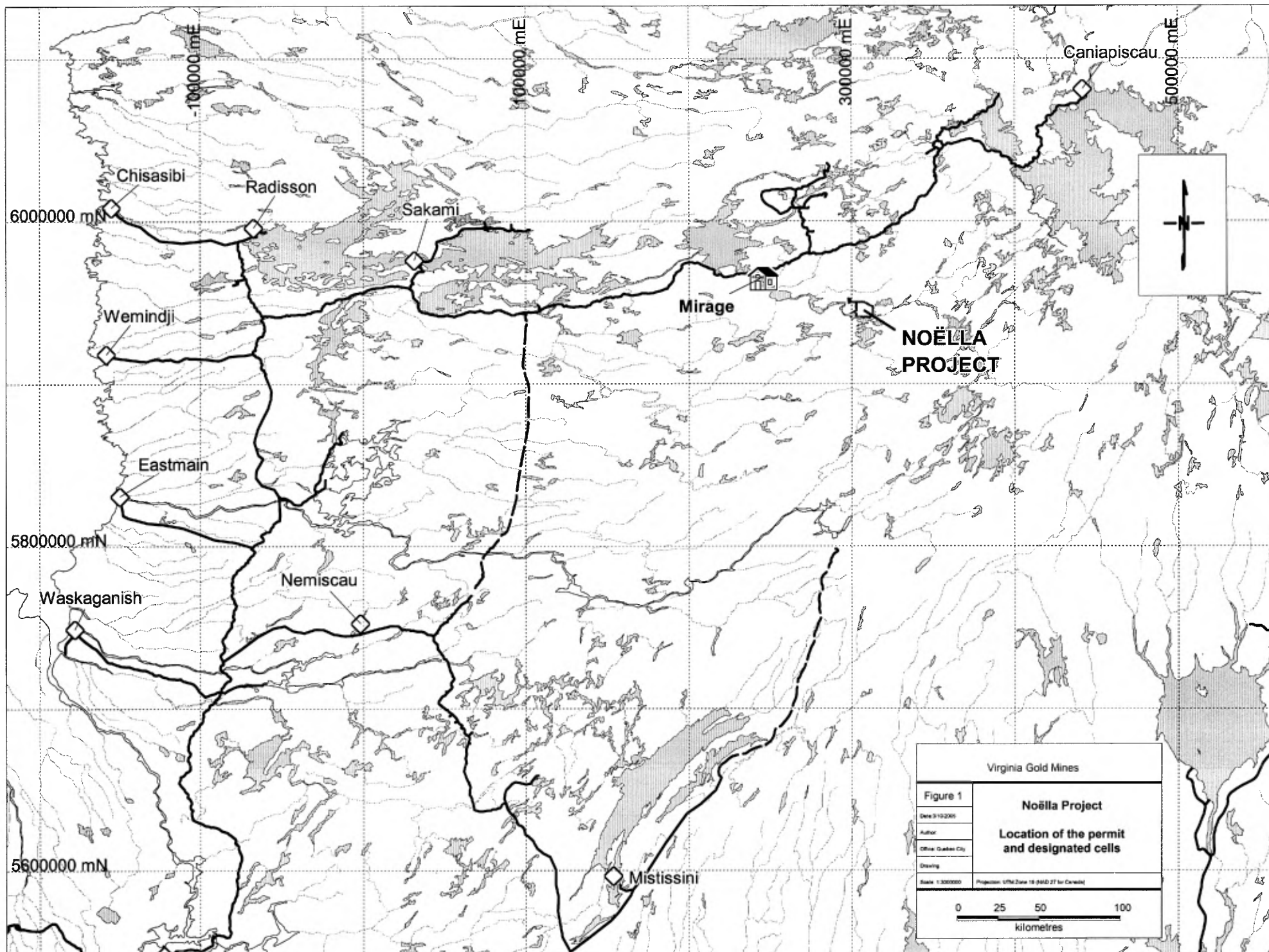
Dated in Québec, Qc, this 16th day of November 2005.

Paul Archer

Paul Archer, M.Sc., Eng.

ITEM 26 ILLUSTRATIONS





Microfilm

PAGE DE DIMENSION HORS STANDARD

MICROFILMÉE SUR 35 MM ET

POSITIONNÉE À LA SUITE DES

PRÉSENTES PAGES STANDARDS

Numérique

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Annex 1 List of designated cells, Noëlla Project

CDC	SNRC	ROW	COLUMN	SURFACE AREA (H)	EXP. DATE
1112405	23 E/12	10	1	51,20	20050113
1112406	23 E/12	10	2	51,20	20050113
1112407	23 E/12	10	3	51,03	20050113
1112408	23 E/12	10	4	48,94	20050113
1112409	23 E/12	10	8	51,20	20050113
1112410	23 E/12	10	9	51,20	20050113
1112411	23 E/12	10	10	51,20	20050113
1112412	23 E/12	10	11	51,20	20050113
1112413	23 E/12	10	12	51,20	20050113
1112414	23 E/12	10	13	51,20	20050113
1112415	23 E/12	10	14	51,20	20050113
1112416	23 E/12	10	15	51,20	20050113
1112417	23 E/12	10	16	51,20	20050113
1112418	23 E/12	10	17	51,20	20050113
1112419	23 E/12	11	1	51,19	20050113
1112420	23 E/12	11	2	51,19	20050113
1112421	23 E/12	11	3	46,25	20050113
1112422	23 E/12	11	10	5,30	20050113
1112423	23 E/12	11	11	6,55	20050113
1112424	23 E/12	11	12	7,80	20050113
1112425	23 E/12	11	13	9,04	20050113
1112426	23 E/12	11	14	10,28	20050113
1112427	23 E/12	11	15	11,51	20050113
1112428	23 E/12	11	16	12,74	20050113
1112429	23 E/12	11	17	13,97	20050113
1112430	23 E/12	11	18	15,19	20050113
1112431	23 E/12	11	19	16,41	20050113
1112432	23 E/12	11	20	17,63	20050113
1112433	23 E/12	11	21	18,84	20050113
1112434	23 E/12	11	22	50,38	20050113
1112435	23 E/12	12	2	48,88	20050113
1112436	23 E/12	12	3	40,23	20050113
1112437	23 E/12	17	2	51,13	20070113
1112438	23 E/12	17	3	24,59	20070113
1112439	23 E/12	18	2	51,12	20070113
1112440	23 E/12	18	3	20,98	20070113
1112441	23 E/12	19	2	51,11	20070113
1112442	23 E/12	19	3	17,36	20070113
1112444	23 E/12	20	2	9,93	20070113
1112443	23 E/12	20	2	32,81	20070113

Annex 2 List of abbreviations used for geological description, Noëlla ProjectList of minerals [taken from MB 96-28 document MRN-Québec, Sharma (1996)]

AC	Actinolite	GR	Garnet
AD	Andalusite	GT	Gedrite
AM	Amphibole	HB	Hornblende
AR	Antigorite	KN	Kyanite
AT	Anthophyllite	LX	Leucoxene
BL	Beryl	MG	Magnetite
BN	Bornite	MO	Molybdenite
BO	Biotite	MV	Muscovite
CB	Carbonate	OX	Orthopyroxene
CC	Calcite	PD	Pentlandite
CD	Cordierite	PG	Plagioclase
CG	Cumingtonite	PH	Phlogopite
CL	Chlorite	PO	Pyrrhotite
CM	Chromite	PX	Pyroxene
CP	Chalcopyrite	PY	Pyrite
CR	Chloritoid	QZ	Quartz
Cu	Native copper	SF	Sulfures
CX	Clinopyroxene	SM	Sillimanite
DP	Diopside	SP	Sphalerite
EP	Epidote	SR	Sericite
FK	K-Felspar	ST	Serpentine
FL	Fluorine	TC	Talc
GL	Galena	TL	Tourmaline
GP	Graphite	TM	Tremolite

List of textures [taken from MB 96-28 document MRN-Québec, Sharma (1996)]

AP	Aphanitic	GT	Very-fine grained
BR	Breccia	HJ	Homogenous
BT	Tectonic breccia	LA	Laminated
CS	Sheared	LS	Leucosome
CO	Pillowed	LX	Leucocrate
DQ	Diabasic	MA	Massive
EN	Float	MX	Melanocrate
FO	Foliated	MZ	Mobilisat
GB	Glomeroblastic	PG	Pegmatitic
GS	Gneissic	PO	Porphyritic (ú)
GF	Fine-grained	PQ	Porphyroblastic (ý)
GG	Coarse-grained	RU	Banded
GM	Medium-grained	SC	Schistosed
GO	Very coarse-grained	TL	Lapilli tuff
GR	Granoblastic		

Types of lithologies [taken from MB 96-28 document MRN-Québec, Sharma (1996)]*Sedimentary rocks*

S1	Sandstone
S2	Arenite (Biotite <15%)
S3	Wacke (Biotite >15%)
S4	Conglomerate
S9	Iron formation (A: Undetermined; B: Oxide; D: Silicate; E: Sulphide)
S11	Exhalite
VQZ	Quartz Veins

Volcanic rocks

V1B	Rhyolite
V1C	Rhyodacite
V1D	Dacite
V2J	Andesite
V3A	Andesitic basalt
V3B	Basalt
V4A	Komatiite
V4B	Pyroxenitic komatiite
V4C	Peridotitic komatiite

Intrusive rocks

I1B	Granite
I1C	Granodiorite
I1D	Tonalite
I1G	Pegmatite
I2D	Syenite
I2E	Quartz monzonite
I2F	Monzonite
I2I	Quartz diorite
I2J	Diorite
I3A	Gabbro
I3B	Diabase
I3Q	Gabbro-norite
I4A	Hornblendite
I4B	Pyroxenite
I4I	Peridotite
I4N	Serpentinite

Metamorphic rocks

M1	Gneiss
M3	Orthogneiss
M4	Paragneiss
M8	Schist
M12	Quartzite
M16	Amphibolite
M21	Diatexite
M21A	Anatectic granite
M22	Migmatite
T2	Mylonite
T4	Tectonic breccia

Microfilm

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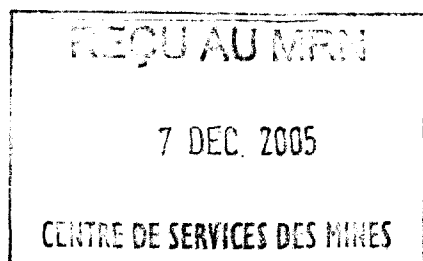
Numérique

PAGE DE DIMENSION HORS STANDARD

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Annex 3 Certificates of analyses





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À: MINES DOR VIRGINIA INC.
116 RUE ST-PIERRE
BUREAU 200
QUEBEC QC G1K 4A7

Page: 1
Finalisée Date: 30-JUIN-2005
Compte: MINVIR

CERTIFICAT VO05046475

Projet: NOËLLA

Bon de commande #:

Ce rapport s'applique aux 60 échantillons de carotte forage soumis à notre laboratoire le Val d'Or, QC, Canada de 13-JUIN-2005.

Les résultats sont transmis à:

PAUL ARCHER

MICHEL CHAPDELEINE

PRÉPARATION ÉCHANTILLONS

CODE ALS	DESCRIPTION
WEI-21	Poids échantillon reçu
LOG-22	Entrée échantillon - Reçu sans code barre
CRU-31	Granulation - 70 % <2 mm
SPL-21	Échant. fractionné - div. riffles
PUL-31	Pulvérisé à 85 % <75 um

PROCÉDURES ANALYTIQUES

CODE ALS	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30 g fini FA-AA	AAS
ME-ICP61	27 éléments, quatre acides ICP-AES	ICP-AES

À: MINES DOR VIRGINIA INC.
ATTN: PAUL ARCHER
116 RUE ST-PIERRE
BUREAU 200
QUEBEC QC G1K 4A7

Ce rapport est final et remplace tout autre rapport préliminaire portant ce numéro de certificat. Les résultats s'appliquent aux échantillons soumis. Toutes les pages de ce rapport ont été vérifiées et approuvées avant publication.

Signature: _____



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Page: 2 - A

Nombre Total de Pages: 3 (A)

Finalisée Date: 30-JUIN-2005

Compte: MINVIR

Projet: NOËLLA

CERTIFICAT D'ANALYSE VO05046475

Description échantillon	Méthode élément unités L.D	WEI-21 Poids reçu kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Pb ppm 2	ME-ICP61 Sb ppm 5	ME-ICP61 Zn ppm 2
73551		2.02	<0.005	<0.5	15	220	5	<5	69
73771		0.69	<0.005	<0.5	<5	58	6	<5	24
73772		1.65	<0.005	<0.5	<5	31	3	<5	12
73773		1.81	<0.005	<0.5	7	26	4	<5	12
73774		1.92	<0.005	<0.5	<5	28	5	<5	10
73775		1.25	<0.005	<0.5	5	26	15	<5	11
73584		2.06	<0.005	<0.5	<5	7	2	<5	43
73585		2.07	<0.005	<0.5	<5	40	7	<5	50
73586		2.00	<0.005	<0.5	15	10	2	<5	60
73587		2.07	<0.005	<0.5	7	18	3	<5	49
73588		2.29	<0.005	<0.5	<5	7	3	<5	57
73589		1.95	0.006	0.5	<5	784	5	<5	54
73590		2.14	<0.005	<0.5	6	95	<2	<5	62
73591		2.34	<0.005	<0.5	<5	133	4	<5	91
73592		2.57	<0.005	<0.5	<5	86	3	<5	74
73593		2.44	0.011	<0.5	6	98	6	<5	76
73594		2.17	0.013	0.8	<5	509	8	<5	249
73595		2.40	0.006	<0.5	<5	126	9	<5	237
73596		2.59	0.016	<0.5	<5	154	7	<5	188
73597		1.70	0.014	<0.5	<5	130	13	<5	156
73598		2.04	0.008	<0.5	<5	49	<2	<5	70
73600		2.33	<0.005	<0.5	8	108	3	<5	70
73603		2.13	<0.005	<0.5	<5	68	12	<5	111
73604		2.00	<0.005	<0.5	<5	122	<2	<5	67
73605		2.29	<0.005	<0.5	<5	137	<2	<5	80
73606		1.72	<0.005	<0.5	<5	106	<2	<5	72
73608		2.33	<0.005	<0.5	<5	88	<2	<5	73
73609		2.11	<0.005	<0.5	<5	27	<2	<5	52
73610		1.63	<0.005	<0.5	<5	14	2	<5	35
73611		2.10	<0.005	<0.5	<5	108	<2	<5	69
73612		2.19	<0.005	<0.5	<5	126	<2	<5	63
73613		2.22	<0.005	0.5	<5	111	3	<5	69
73614		1.98	<0.005	<0.5	<5	70	<2	<5	72
73615		1.79	0.014	<0.5	6	110	11	<5	99
73616		1.97	0.013	<0.5	<5	53	2	<5	116
73617		2.19	<0.005	<0.5	<5	105	5	<5	90
73618		2.56	0.006	<0.5	<5	159	6	<5	215
73619		1.93	<0.005	<0.5	<5	57	4	<5	177
73620		2.56	0.008	0.5	<5	191	23	<5	229
73621		1.52	0.007	<0.5	<5	141	7	<5	256



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Page: 3 - A

Nombre Total de Pages: 3 (A)

Finalisée Date: 30-JUIN-2005

Compte: MINVIR

Projet: NOËLLA

CERTIFICAT D'ANALYSE VO05046475

Description échantillon	Méthode élément unités L.D	WEI-21	Au-AA23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Poids reçu	Au	Ag	As	Cu	Pb	Sb	Zn
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.02	0.005	0.5	5	1	2	5	2
73622		2.29	0.009	0.6	<5	318	35	<5	657
73623		1.39	0.090	1.0	<5	896	35	<5	534
73624		1.94	0.050	0.5	<5	530	8	<5	201
73625		2.27	<0.005	<0.5	<5	32	<2	<5	69
73626		2.31	<0.005	<0.5	<5	114	4	<5	101
73627		1.94	0.011	0.5	<5	978	6	<5	58
73628		2.22	<0.005	<0.5	<5	35	<2	<5	34
73629		1.96	<0.005	<0.5	<5	16	<2	<5	33
73630		2.11	<0.005	<0.5	<5	15	8	<5	54
73631		1.63	<0.005	<0.5	<5	21	<2	<5	43
73632		2.09	<0.005	<0.5	<5	6	2	<5	46
73633		2.02	0.362	1.3	<5	399	29	<5	146
73634		2.27	<0.005	<0.5	<5	25	2	<5	55
73635		2.38	<0.005	<0.5	<5	20	<2	<5	54
73636		1.60	<0.005	<0.5	<5	65	3	<5	52
73637		2.37	0.007	<0.5	<5	87	6	<5	113
73638		2.73	0.030	<0.5	<5	115	7	<5	84
73639		1.92	<0.005	<0.5	<5	89	4	<5	49
73640		1.82	<0.005	<0.5	<5	19	<2	<5	46
73641		2.21	<0.005	<0.5	6	210	12	<5	78



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Page: 1
Finalisée Date: 5-JUIL-2005
Compte: MINVIR

CERTIFICAT VO05046476

Projet: NOËLLA

Bon de commande #:

Ce rapport s'applique aux 60 échantillons de carotte forage soumis à notre laboratoire le Val d'Or, QC, Canada de 13-JUIN-2005.

Les résultats sont transmis à:

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Page: 2 - A

Nombre Total de Pages: 3 (A)

Finalisée Date: 5-JUIL-2005

Compte: MINVIR

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CERTIFICAT D'ANALYSE VO05046476

Description échantillon	Méthode élément unités L.D	WEI-21 Poids reçu kg	Au-AA23 Au ppm	ME-ICP81 Ag ppm	ME-ICP61 As ppm	ME-ICP81 Cu ppm	ME-ICP61 Pb ppm	ME-ICP61 Sb ppm	ME-ICP61 Zn ppm
		0.02	0.005	0.5	5	1	2	5	2
73642		2.08	<0.005	<0.5	8	13	11	<5	65
73643		1.91	<0.005	<0.5	11	95	3	<5	52
73644		2.04	0.015	<0.5	5	387	<2	<5	51
73645		2.32	<0.005	<0.5	<5	50	<2	<5	52
73646		2.15	<0.005	<0.5	<5	117	9	<5	45
73647		1.92	<0.005	<0.5	<5	13	<2	<5	51
73648		2.08	<0.005	<0.5	<5	83	5	<5	90
73649		2.44	0.036	<0.5	6	567	<2	<5	63
73650		2.22	<0.005	<0.5	5	100	<2	<5	64
73651		2.20	0.008	<0.5	<5	1185	<2	<5	66
73652		2.39	0.005	<0.5	<5	405	<2	<5	64
73653		1.83	<0.005	<0.5	<5	86	<2	<5	96
73654		2.21	0.026	0.5	5	895	<2	<5	72
73655		2.29	0.022	<0.5	7	911	2	<5	51
73656		1.82	0.011	<0.5	6	166	<2	<5	37
73657		2.32	0.005	<0.5	<5	74	<2	<5	34
73658		2.00	<0.005	<0.5	<5	14	<2	<5	43
73659		2.17	0.028	<0.5	<5	30	<2	<5	41
73660		1.86	<0.005	<0.5	<5	9	21	<5	51
73661		0.89	0.008	<0.5	7	215	8	<5	92
73662		1.94	<0.005	<0.5	11	168	6	<5	46
73663		2.16	<0.005	<0.5	9	79	<2	<5	52
73664		2.17	<0.005	<0.5	5	42	<2	<5	49
73665		1.96	<0.005	<0.5	<5	100	<2	<5	64
73666		2.45	0.007	<0.5	<5	186	<2	<5	69
73667		2.21	<0.005	<0.5	<5	45	<2	<5	49
73668		1.27	0.005	<0.5	<5	57	<2	<5	84
73669		2.02	<0.005	<0.5	<5	112	<2	<5	59
73670		1.89	<0.005	<0.5	<5	96	20	<5	95
73671		2.25	<0.005	<0.5	<5	124	<2	<5	42
73672		2.12	<0.005	<0.5	<5	147	<2	<5	52
73673		2.08	<0.005	<0.5	<5	127	<2	<5	57
73674		1.93	0.005	<0.5	6	155	<2	<5	56
73675		2.06	<0.005	<0.5	<5	109	<2	<5	73
73676		2.06	<0.005	<0.5	11	318	<2	<5	63
73677		1.89	0.010	<0.5	<5	53	27	<5	87
73678		2.45	0.008	<0.5	7	97	10	<5	58
73679		2.27	0.083	<0.5	<5	20	10	<5	49
73680		2.23	0.264	<0.5	<5	178	5	<5	53
73681		2.20	0.007	<0.5	9	36	3	<5	43

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116 RUE ST-PIERRE

BUREAU 200

QUEBEC QC G1K 4A7

Page: 3 - A

Nombre Total de Pages: 3 (A)

Finalisée Date: 5-JUIL-2005

Compte: MINVIR

Projet: NOËLLA

CERTIFICAT D'ANALYSE VO05046476

Description échantillon	Méthode élément unités L.D	WEI-21 Poids reçu kg	Au-AA23 Au ppm	ME-ICP81 Ag ppm	ME-ICP81 As ppm	ME-ICP81 Cu ppm	ME-ICP81 Pb ppm	ME-ICP81 Sb ppm	ME-ICP81 Zn ppm
		0.02	0.005	0.5	5	1	2	5	2
73682		2.06	0.005	<0.5	<5	130	8	<5	64
73683		2.09	<0.005	<0.5	<5	172	9	<5	49
73684		2.00	<0.005	<0.5	9	146	<2	<5	33
73685		2.11	<0.005	<0.5	<5	241	12	<5	85
73686		2.07	<0.005	<0.5	<5	164	13	<5	69
73687		1.90	<0.005	<0.5	<5	43	20	<5	80
73688		1.94	<0.005	<0.5	<5	52	8	<5	190
73689		2.29	0.008	<0.5	8	226	7	<5	67
73690		2.11	<0.005	<0.5	<5	162	7	<5	92
73691		2.09	<0.005	0.6	<5	330	88	<5	741
73692		2.37	<0.005	0.5	7	258	43	<5	429
73693		2.05	<0.005	<0.5	<5	162	8	<5	92
73694		1.79	<0.005	0.9	<5	30	106	<5	55
73695		1.83	<0.005	<0.5	9	13	13	<5	50
73696		1.84	<0.005	<0.5	<5	89	11	<5	51
73697		1.78	<0.005	<0.5	6	33	6	<5	43
73698		1.73	<0.005	<0.5	9	89	2	<5	50
73699		2.06	<0.005	<0.5	<5	33	6	<5	46
73700		2.19	<0.005	<0.5	6	48	3	<5	79
73701		2.16	<0.005	<0.5	<5	12	5	<5	48



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À: MINES DOR VIRGINIA INC.

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BUREAU 200

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Page: 1

Finalisée Date: 30-JUIN-2005

Compte: MINVIR

CERTIFICAT VO05046477

Projet: NOËLLA

Bon de commande #:

Ce rapport s'applique aux 72 échantillons de carotte forage soumis à notre laboratoire le Val d'Or, QC, Canada de 13-JUIN-2005.

Les résultats sont transmis à:

PAUL ARCHER

MICHEL CHAPDELEINE

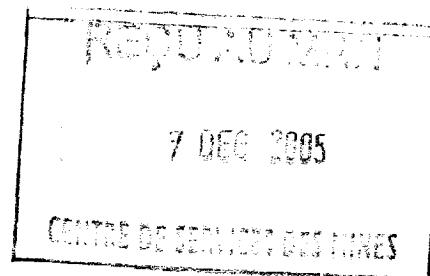
PRÉPARATION ÉCHANTILLONS

CODE ALS	DESCRIPTION
WEI-21	Poids échantillon reçu
LOG-22	Entrée échantillon - Reçu sans code barre
CRU-31	Granulation - 70 % <2 mm
SPL-21	Échant. fractionné - div. riffles
PUL-31	Pulvérisé à 85 % <75 um

PROCÉDURES ANALYTIQUES

CODE ALS	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30 g fini FA-AA	AAS
ME-ICP61	27 éléments, quatre acides ICP-AES	ICP-AES

À: MINES DOR VIRGINIA INC.
ATTN: PAUL ARCHER
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QUEBEC QC G1K 4A7



Ce rapport est final et remplace tout autre rapport préliminaire portant ce numéro de certificat. Les résultats s'appliquent aux échantillons soumis. Toutes les pages de ce rapport ont été vérifiées et approuvées avant publication.

Signature:

**ALS Chemex**

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Nombre Total de Pages: 3 (A)

Finalisée Date: 30-JUIN-2005

Compte: MINVIR

Projet: NOËLLA

CERTIFICAT D'ANALYSE VO05046477

Description échantillon	Méthode élément unités L.D	WEI-21 Poids regu kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Pb ppm 2	ME-ICP61 Sb ppm 5	ME-ICP61 Zn ppm 2
73702		2.08	<0.005	<0.5	<5	152	6	<5	55
73703		1.95	<0.005	<0.5	<5	54	7	<5	46
73704		2.06	<0.005	<0.5	<5	18	<2	<5	78
73705		1.99	<0.005	<0.5	8	27	7	<5	69
73706		1.94	<0.005	<0.5	5	9	10	<5	13
73707		1.79	<0.005	<0.5	8	18	6	<5	52
73708		2.06	<0.005	<0.5	9	105	2	<5	43
73709		1.99	0.005	<0.5	7	84	4	<5	46
73710		2.08	<0.005	<0.5	<5	78	9	<5	47
73711		1.90	0.007	<0.5	<5	23	9	<5	44
73712		1.91	0.018	<0.5	9	20	5	<5	64
73713		2.00	0.009	<0.5	<5	19	4	<5	46
73714		2.05	0.005	<0.5	<5	31	2	<5	46
73715		2.04	0.022	<0.5	<5	256	<2	<5	35
73716		2.00	0.287	<0.5	<5	17	3	<5	20
73717		1.99	<0.005	<0.5	<5	18	4	<5	24
73718		2.05	0.013	<0.5	<5	202	3	<5	25
73719		1.79	0.010	<0.5	<5	218	5	<5	29
73720		1.85	0.005	<0.5	<5	122	2	<5	23
73721		2.17	<0.005	<0.5	<5	21	4	<5	32
73722		1.44	0.009	<0.5	<5	30	<2	<5	37
73723		2.21	0.017	<0.5	<5	72	5	<5	34
73724		1.80	0.048	0.5	<5	431	<2	<5	36
73725		1.96	0.007	<0.5	<5	35	5	<5	34
73726		2.03	0.071	<0.5	6	286	<2	<5	33
73727		1.81	0.031	0.6	<5	67	13	<5	78
73728		1.85	0.008	<0.5	10	42	6	<5	41
73729		1.78	0.023	0.5	<5	102	4	<5	35
73730		2.02	0.019	<0.5	<5	120	6	<5	20
73731		1.95	0.009	<0.5	<5	71	<2	<5	37
73732		2.19	0.054	<0.5	5	362	3	<5	32
73733		1.98	0.027	<0.5	<5	201	6	<5	33
73734		2.19	0.100	<0.5	<5	437	7	<5	34
73735		1.86	0.005	<0.5	<5	28	6	<5	45
73736		2.11	0.017	<0.5	10	132	6	5	38
73737		1.91	0.114	0.7	5	931	6	<5	34
73738		1.91	0.361	3.5	5	4120	25	<5	108
73739		2.19	<0.005	<0.5	14	66	7	<5	29
73765		1.00	0.138	8.0	22	3820	11	<5	146
73769		1.85	0.009	<0.5	<5	98	24	<5	45



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Page: 3 - A

Nombre Total de Pages: 3 (A)

Finalisée Date: 30-JUIN-2005

Compte: MINVIR

Projet: NOËLLA

CERTIFICAT D'ANALYSE VO05046477

Description échantillon	Méthode élément unités L.D	WEI-21 Poids reçu kg 0.02	Au-AA23 Au ppm 0.006	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Pb ppm 2	ME-ICP61 Sb ppm 5	ME-ICP61 Zn ppm 2
73770		2.51	0.010	<0.5	<5	152	7	<5	88
73771		0.80	<0.005	<0.5	<5	30	2	<5	12
73772		2.29	<0.005	<0.5	<5	61	8	<5	76
73773		2.08	0.008	<0.5	14	120	<2	<5	88
73775		2.07	<0.005	<0.5	12	195	<2	<5	103
73776		2.13	<0.005	<0.5	12	121	5	5	90
73777		2.26	<0.005	<0.5	<5	136	3	7	104
73778		2.16	0.005	<0.5	10	122	<2	6	86
73781		2.02	0.007	<0.5	<5	156	<2	<5	71
73782		2.10	0.009	<0.5	<5	115	3	<5	75
73783		2.12	<0.005	<0.5	7	79	<2	9	66
73784		2.19	<0.005	<0.5	13	108	<2	<5	136
73785		1.94	0.005	<0.5	23	137	<2	<5	98
73786		1.96	0.008	<0.5	7	102	2	8	90
73787		2.25	<0.005	<0.5	<5	111	2	8	87
73788		2.23	<0.005	<0.5	<5	95	6	<5	91
73789		2.27	<0.005	<0.5	19	170	4	<5	76
73790		2.08	<0.005	<0.5	9	86	3	<5	72
73791		2.00	0.005	<0.5	<5	154	2	<5	70
73792		2.13	0.014	<0.5	<5	116	4	<5	70
73793		2.10	0.019	<0.5	6	219	<2	<5	67
73794		1.95	0.005	<0.5	5	61	3	<5	64
73797		2.04	0.024	<0.5	185	164	9	<5	81
73798		2.13	0.024	<0.5	138	100	<2	<5	82
73799		2.15	0.018	<0.5	1135	25	7	<5	59
73800		2.06	2.45	0.5	>10000	26	3	21	39
73801		2.46	1.970	<0.5	>10000	22	<2	20	36
73802		2.26	0.505	<0.5	987	27	2	<5	20
73803		2.40	0.108	<0.5	977	23	<2	<5	5
73804		2.23	0.175	<0.5	404	23	<2	<5	9
73805		2.27	0.090	<0.5	404	20	11	<5	8
73806		2.11	0.151	<0.5	221	30	<2	<5	13



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QUEBEC QC G1K 4A7

Page: 1
Finalisée Date: 1-JUIL-2005
Compte: MINVIR

CERTIFICAT VO05046478

Projet: NOËLLA

Bon de commande #:

Ce rapport s'applique aux 72 échantillons de carotte forage soumis à notre laboratoire le Val d'Or, QC, Canada de 13-JUIN-2005.

Les résultats sont transmis à:

PAUL ARCHER

MICHEL CHAPDELEINE

PRÉPARATION ÉCHANTILLONS

CODE ALS	DESCRIPTION
WEI-21	Poids échantillon reçu
LOG-22	Entrée échantillon - Reçu sans code barre
CRU-31	Granulation - 70 % <2 mm
SPL-21	Échant. fractionné - div. riffles
PUL-31	Pulvérisé à 85 % <75 um

PROCÉDURES ANALYTIQUES

CODE ALS	DESCRIPTION	INSTRUMENT
Au-AA23	Au 30 g fini FA-AA	AAS
ME-ICP61	27 éléments, quatre acides ICP-AES	ICP-AES

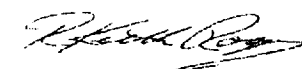
REÇU AU MRN

7 DEC 2005

CENTRE DE SERVICES DES MINES

A: MINES DOR VIRGINIA INC.
ATTN: PAUL ARCHER
116 RUE ST-PIERRE
BUREAU 200
QUEBEC QC G1K 4A7

Ce rapport est final et remplace tout autre rapport préliminaire portant ce numéro de certificat. Les résultats s'appliquent aux échantillons soumis. Toutes les pages de ce rapport ont été vérifiées et approuvées avant publication.

Signature: 



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Page: 2 - A

Nombre Total de Pages: 3 (A)

Finalisée Date: 1-JUIL-2005

Compte: MINVIR

Projet: NOËLLA

CERTIFICAT D'ANALYSE VO05046478

Description échantillon	Méthode élément unités L.D	WEI-21 Poids reçu kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Pb ppm 2	ME-ICP61 Sb ppm 5	ME-ICP61 Zn ppm 2
73807		2.06	0.043	<0.5	252	21	6	<5	12
73808		2.19	0.025	<0.5	101	8	<2	<5	9
73809		2.54	0.014	<0.5	58	6	2	<5	11
73810		2.29	0.009	<0.5	10	12	<2	<5	17
73811		0.98	0.008	<0.5	6	48	<2	<5	16
73812		1.80	0.012	<0.5	<5	20	17	<5	72
73813		1.99	<0.005	<0.5	14	42	25	<5	68
73814		1.99	<0.005	<0.5	65	42	18	<5	66
73815		2.37	0.330	<0.5	5700	14	<2	<5	18
73816		2.25	0.029	<0.5	229	4	<2	<5	5
73817		2.33	0.184	<0.5	1670	9	<2	<5	6
73818		2.34	0.054	<0.5	860	4	<2	<5	6
73819		2.00	0.184	<0.5	2770	4	<2	<5	8
73820		2.23	0.010	<0.5	114	5	5	<5	5
73821		2.18	0.158	<0.5	870	10	<2	<5	16
73822		2.63	0.013	<0.5	137	6	<2	<5	9
73823		1.81	0.033	<0.5	198	62	<2	<5	33
73824		2.16	0.025	<0.5	221	24	18	<5	69
73825		1.00	0.134	<0.5	1270	41	30	<5	75
73826		2.80	0.147	<0.5	981	17	<2	<5	15
73827		1.44	0.015	<0.5	156	1	29	<5	44
73828		3.09	0.524	<0.5	1975	19	<2	<5	11
73829		1.81	<0.005	<0.5	29	26	36	<5	44
73830		1.77	<0.005	<0.5	7	49	15	<5	55
73831		1.77	0.008	<0.5	11	105	8	<5	73
73832		2.21	0.008	<0.5	<5	154	<2	<5	76
73833		2.15	<0.005	<0.5	8	32	<2	<5	73
73834		2.27	0.013	<0.5	13	138	<2	<5	71
73835		2.25	0.013	<0.5	30	107	<2	<5	76
73836		1.92	0.017	<0.5	43	105	<2	<5	69
73837		2.09	0.023	<0.5	91	123	<2	<5	96
73838		2.19	0.011	<0.5	44	171	<2	<5	100
73839		0.66	0.022	<0.5	15	298	3	<5	708
73840		2.29	<0.005	<0.5	12	137	<2	<5	86
73841		2.37	0.013	<0.5	9	123	<2	<5	82
73842		2.08	0.007	<0.5	6	128	<2	<5	139
73843		2.10	0.008	<0.5	8	152	3	<5	86
73844		2.15	<0.005	<0.5	5	12	<2	<5	67
73846		2.13	<0.005	<0.5	<5	102	<2	<5	94
73847		2.37	0.008	<0.5	31	150	<2	<5	90



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QUEBEC QC G1K 4A7

Projet: NOËLLA

Page: 3 - A

Nombre Total de Pages: 3 (A)

Finalisée Date: 1-JUIL-2005

Compte: MINVIR

CERTIFICAT D'ANALYSE VO05046478

Description échantillon	Méthode élément unités L.D	WEI-21 Poids reçu kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Pb ppm 2	ME-ICP61 Sb ppm 5	ME-ICP61 Zn ppm 2
73848		2.20	0.017	<0.5	50	195	<2	<5	99
73849		2.20	0.018	<0.5	68	126	5	<5	96
73850		2.25	0.006	<0.5	10	197	5	<5	126
73851		1.87	0.015	<0.5	16	49	4	5	49
73852		2.17	<0.005	<0.5	11	101	3	<5	74
73853		2.08	<0.005	<0.5	13	94	3	<5	90
73854		2.12	0.009	<0.5	37	244	2	<5	218
73855		2.00	0.009	<0.5	27	107	3	<5	79
73856		1.98	0.013	<0.5	14	162	2	<5	75
73857		2.16	<0.005	<0.5	8	129	4	<5	77
73858		2.15	0.005	<0.5	26	134	2	<5	78
73859		2.06	0.010	<0.5	30	105	2	<5	72
73860		2.44	0.009	<0.5	15	192	4	<5	90
73861		1.91	0.007	<0.5	14	232	6	<5	105
73862		1.09	0.007	<0.5	<5	4	<2	<5	3
73863		1.23	<0.005	<0.5	<5	20	<2	<5	32
73864		2.15	0.007	<0.5	15	140	2	<5	83
73865		2.05	<0.005	<0.5	6	145	4	<5	57
73866		2.04	0.006	<0.5	34	118	2	<5	80
73867		1.95	0.018	0.6	629	87	7	<5	116
73868		2.26	0.077	<0.5	851	38	8	<5	61
73869		2.41	0.016	<0.5	227	5	13	<5	10
73870		1.59	0.032	<0.5	631	10	13	<5	10
73871		1.76	0.715	0.5	2200	35	11	5	17
73872		1.83	0.246	<0.5	3160	26	8	6	17
73873		2.19	0.005	<0.5	24	5	10	<5	63
73876		1.23	<0.005	<0.5	10	42	13	<5	71
73877		2.13	<0.005	<0.5	6	9	5	<5	108
73878		1.71	<0.005	<0.5	5	16	41	<5	7
73879		1.84	<0.005	<0.5	<5	40	22	<5	63
73880		0.70	0.028	<0.5	<5	88	<2	<5	47
73881		1.86	0.010	0.6	5	65	21	<5	83



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ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1

Téléphone: 604 984 0221 Télécopieur: 604 984 0218 www.alschemex.com

À: MINES DOR VIRGINIA INC.

116 RUE ST-PIERRE

BUREAU 200

QUEBEC QC G1K 4A7

Page: 1

Finalisée Date: 4-JUIL-2005

Compte: MINVIR

CERTIFICAT VO05046479

Projet: NOËLLA

Bon de commande #:

Ce rapport s'applique aux 67 échantillons de carotte forage soumis à notre laboratoire le Val d'Or, QC, Canada de 13-JUIN-2005.

Les résultats sont transmis à:

PAUL ARCHER

MICHEL CHAPDELEINE

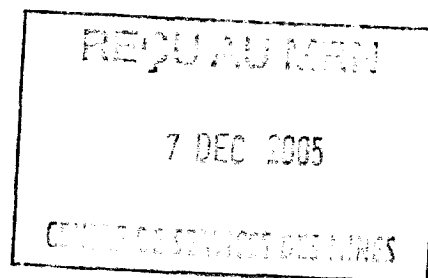
PRÉPARATION ÉCHANTILLONS

CODE ALS	DESCRIPTION
WEI-21	Poids échantillon reçu
LOG-22	Entrée échantillon - Reçu sans code barre
CRU-31	Granulation - 70 % <2 mm
SPL-21	Échant. fractionné - div. riffles
PUL-31	Pulvérisé à 85 % <75 um

PROCÉDURES ANALYTIQUES

CODE ALS	DESCRIPTION	INSTRUMENT
S-IR08	Soufre total (Leco)	LECO
PGM-ICP23	Pt, Pd et Au 30 g FA ICP	ICP-AES
ME-XRF06	Roche totale - XRF	XRF
OA-GRA06	Perte par calcination pour ME-XRF06	WST-SIM
Ag-AA61	Trace Ag - direction quatre acides	AAS
Co-AA61	Trace Co - Digestion quatre acides	AAS
Cu-AA61	Trace Cu - Digestion quatre acides	AAS
Ni-AA61	Trace Ni - Digestion quatre acides	AAS

A: MINES DOR VIRGINIA INC.
ATTN: PAUL ARCHER
116 RUE ST-PIERRE
BUREAU 200
QUEBEC QC G1K 4A7



Ce rapport est final et remplace tout autre rapport préliminaire portant ce numéro de certificat. Les résultats s'appliquent aux échantillons soumis. Toutes les pages de ce rapport ont été vérifiées et approuvées avant publication.

Signature:



ALS Chemex

EXCELLENCE EN ANALYSE CHIMIQUE

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A: MINES DOR VIRGINIA INC.

116 RUE ST-PIERRE

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Page: 2 - A

Nombre Total de Pages: 3 (A)

Finalisée Date: 4-JUIL-2005

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Projet: NOËLLA

CERTIFICAT D'ANALYSE VO05046479

Description échantillon	Méthode élément unités L.D	WEI-21 Poids reçu kg 0.02	Ag-AA61 Ag ppm 0.5	Co-AA61 Co ppm 2	Cu-AA61 Cu ppm 1	Ni-AA61 Ni ppm 2	PGM-ICP23 Au ppb 1	PGM-ICP23 Pt ppb 5	PGM-ICP23 Pd ppb 1	S-IR08 S % 0.01	ME-XRF06 Al2O3 % 0.01	ME-XRF06 Fe2O3 % 0.01	ME-XRF06 MgO % 0.01	ME-XRF06 Cr2O3 % 0.01	ME-XRF06 CaO % 0.01
73552		2.02	<0.5	52	137	242	14	11	13	0.14	13.01	11.36	9.00	0.08	12.38
73553		2.15	<0.5	49	50	209	4	10	16	0.03	13.32	11.59	9.10	0.08	12.22
73554		1.97	<0.5	53	95	224	5	13	16	0.09	13.09	11.25	8.23	0.08	15.19
73555		2.06	<0.5	49	127	224	2	10	13	0.14	13.24	11.60	8.79	0.09	13.73
73556		2.04	<0.5	49	79	207	1	10	12	0.07	12.94	11.23	8.46	0.09	14.70
73557		2.08	<0.5	49	60	207	3	15	20	0.05	13.56	11.23	8.44	0.08	14.00
73558		2.14	<0.5	51	95	213	1	16	16	0.09	13.50	11.72	8.28	0.09	14.36
73559		2.04	<0.5	47	115	161	3	16	13	0.11	13.22	11.13	7.45	0.07	15.74
73560		1.87	<0.5	53	70	236	4	13	14	0.05	13.27	11.75	9.42	0.09	13.87
73561		1.99	<0.5	59	82	342	14	10	15	0.02	12.20	12.54	13.27	0.12	9.52
73562		1.89	<0.5	51	111	204	9	14	16	0.06	13.56	11.84	10.14	0.08	10.59
73563		2.01	<0.5	42	112	44	<1	<5	1	0.13	13.27	13.04	6.14	<0.01	11.13
73564		2.17	<0.5	44	192	46	<1	<5	<1	0.24	13.25	13.29	6.19	0.02	12.93
73565		2.00	<0.5	40	64	42	3	<5	1	0.08	13.48	12.25	5.93	0.01	12.55
73566		2.08	<0.5	42	108	50	16	<5	2	0.07	14.36	12.60	7.29	0.02	8.08
73567		2.13	<0.5	45	101	49	32	<5	1	0.20	14.16	12.92	7.55	0.01	7.97
73568		1.95	<0.5	41	112	47	5	<5	1	0.19	13.37	13.20	7.47	<0.01	9.18
73569		2.08	<0.5	42	120	93	<1	<5	4	0.19	14.77	11.98	6.70	0.03	11.13
73570		2.27	<0.5	43	110	104	<1	<5	5	0.19	14.81	11.98	6.67	0.04	10.44
73576		2.02	<0.5	56	16	268	<1	8	9	0.03	11.18	13.34	11.59	0.10	10.11
73577		2.17	<0.5	63	8	360	<1	12	13	<0.01	11.35	13.00	13.11	0.14	9.97
73578		2.96	<0.5	78	89	1145	1	<5	6	0.39	5.22	10.08	23.82	0.24	6.02
73579		1.86	<0.5	79	49	1135	5	5	8	0.38	5.60	10.62	24.94	0.26	6.60
73580		2.09	<0.5	71	70	1125	4	<5	6	0.22	5.33	10.28	23.87	0.26	6.64
73581		2.06	<0.5	74	60	936	2	5	7	0.17	7.57	10.01	23.53	0.25	5.47
73582		2.12	<0.5	81	55	1120	7	9	8	0.11	6.62	12.09	25.61	0.30	7.09
73583		2.24	<0.5	84	39	1230	9	8	8	0.08	5.82	12.25	27.30	0.28	6.46
73599		1.99	<0.5	47	75	188	10	12	16	0.01	15.57	11.69	8.78	0.05	10.58
73601		2.17	<0.5	47	107	195	<1	9	16	0.05	15.79	11.58	9.03	0.05	11.27
73602		2.15	<0.5	50	117	190	1	8	15	0.07	15.64	11.85	8.39	0.05	11.66
73607		2.38	<0.5	50	132	202	1	10	16	0.06	15.90	11.70	9.43	0.07	11.21
73740		1.74	<0.5	78	129	683	7	15	19	0.07	7.72	11.15	24.07	0.32	5.74
73741		1.72	<0.5	53	235	137	2	<5	6	0.38	12.05	14.66	8.35	0.06	11.12
73742		2.25	<0.5	51	637	114	1	27	29	0.54	14.88	8.72	11.58	0.04	11.31
73743		2.16	<0.5	85	117	837	3	20	41	0.03	4.77	13.52	27.41	0.36	4.67
73744		2.22	<0.5	87	27	1150	<1	26	39	0.01	1.84	11.65	33.27	0.49	1.93
73745		2.15	<0.5	93	37	1605	1	12	3	0.02	1.53	11.53	38.08	0.55	1.20
73746		2.00	<0.5	101	70	1755	4	16	10	0.22	1.03	10.63	35.98	0.55	3.14
73747		1.93	<0.5	81	55	1435	1	5	11	0.23	3.20	10.10	32.34	0.50	4.63
73748		1.88	<0.5	99	146	915	<1	<5	2	1.18	8.61	12.38	31.11	0.22	4.44



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Page: 3 - A

Nombre Total de Pages: 3 (A)

Finalisée Date: 4-JUIL-2005

Compte: MINVIR

Projet: NOËLLA

CERTIFICAT D'ANALYSE VO05046479

Description échantillon	Méthode élément unités L.D	WEI-21 Poids reçu kg 0.02	Ag-AA61 Ag ppm 0.5	Co-AA61 Co ppm 2	Cu-AA61 Cu ppm 1	Ni-AA61 Ni ppm 2	PGM-ICP23 Au ppb 1	PGM-ICP23 Pt ppb 5	PGM-ICP23 Pd ppb 1	S-IR08 S % 0.01	ME-XRF06 Al2O3 % 0.01	ME-XRF06 Fe2O3 % 0.01	ME-XRF06 MgO % 0.01	ME-XRF06 Cr2O3 % 0.01	ME-XRF06 CaO % 0.01
73749		1.94	<0.5	102	54	1985	1	<5	6	0.20	1.09	11.49	38.93	0.60	1.22
73750		2.27	<0.5	98	109	2290	<1	<5	13	0.07	1.33	11.08	41.07	0.66	0.66
73751		2.04	<0.5	56	18	1015	<1	6	<1	0.03	4.34	5.92	25.16	0.36	9.13
73752		1.86	<0.5	112	48	1285	<1	<5	18	0.13	3.22	11.99	36.76	0.53	1.30
73753		2.04	<0.5	129	10	2020	4	<5	3	0.14	1.94	11.60	39.87	0.67	0.28
73754		1.87	<0.5	103	24	1670	2	<5	4	0.26	3.80	11.61	35.44	0.48	3.30
73755		2.13	<0.5	117	24	1945	<1	9	5	0.20	1.83	12.46	38.81	0.59	1.73
73756		2.23	<0.5	112	15	1910	7	12	6	0.05	2.22	14.35	39.88	0.61	0.78
73757		2.25	<0.5	109	15	1860	1	13	8	0.08	2.27	12.90	37.05	0.54	1.08
73758		1.93	<0.5	118	17	1710	<1	9	8	0.10	2.33	13.14	37.20	0.49	1.40
73759		2.52	<0.5	106	14	1335	<1	19	7	0.05	2.53	12.11	34.53	0.45	1.52
73760		2.09	<0.5	101	4	1525	1	13	3	0.04	1.48	9.57	33.01	0.46	0.70
73761		1.86	<0.5	97	5	2490	1	5	1	0.08	0.76	7.22	44.21	0.37	0.11
73762		1.83	<0.5	105	3	2520	14	<5	1	0.11	0.53	9.83	41.08	0.64	0.11
73763		1.63	<0.5	128	8	1935	<1	<5	<1	0.14	0.41	12.16	41.77	0.73	0.17
73764		1.94	<0.5	151	7	1510	1	<5	<1	0.11	0.60	11.96	37.61	0.52	0.45
73766		1.78	<0.5	92	45	1185	<1	5	5	0.08	3.06	10.80	28.13	0.48	2.45
73767		2.18	<0.5	54	91	259	2	11	13	0.01	14.99	11.51	11.27	0.02	9.61
73768		1.53	<0.5	46	140	92	5	<5	1	0.07	13.42	13.26	7.67	0.01	8.82
73774		2.15	<0.5	49	125	85	4	<5	1	0.07	13.59	13.65	7.44	0.02	8.41
73779		2.09	<0.5	47	82	24	1	<5	<1	0.08	12.95	16.35	6.44	<0.01	8.45
73780		2.11	<0.5	49	82	29	<1	<5	<1	0.11	13.42	15.89	6.39	<0.01	7.90
73795		2.12	<0.5	51	171	66	10	11	15	0.02	15.67	13.27	8.73	0.01	8.86
73796		1.99	<0.5	40	109	97	26	15	17	0.31	14.51	13.13	5.58	0.04	14.34
73845		2.44	<0.5	53	134	21	<1	<5	<1	0.18	12.91	17.19	6.27	<0.01	7.95
73874		1.96	<0.5	15	38	46	1	<5	1	0.13	15.10	6.15	2.83	0.02	3.09
73875		1.99	<0.5	16	50	62	<1	<5	2	0.14	15.22	5.82	3.10	0.02	1.96



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BUREAU 200
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Page: 1
Finalisée Date: 20-JUIL-2005
Compte: MINVIR

CERTIFICAT VO05052846

Projet: DIVERS

Bon de commande #:

Ce rapport s'applique aux 6 échantillons de roche soumis à notre laboratoire le Val d'Or,
QC, Canada de 30-JUIN-2005.

Les résultats sont transmis à:

PAUL ARCHER

MICHEL CHAPDELEINE

PRÉPARATION ÉCHANTILLONS

CODE ALS	DESCRIPTION
WEI-21	Poids échantillon reçu
LOG-22	Entrée échantillon - Reçu sans code barre
CRU-31	Granulation - 70 % <2 mm
SPL-21	Échant. fractionné - div. riffles
PUL-31	Pulvérisé à 85 % <75 um

PROCÉDURES ANALYTIQUES

CODE ALS	DESCRIPTION	INSTRUMENT
Cu-AA62	Teneur marchande Cu - quatre acides / AAS	AAS
Au-AA23	Au 30 g fini FA-AA	AAS
ME-ICP61	27 éléments, quatre acides ICP-AES	ICP-AES

A: MINES DOR VIRGINIA INC.
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Ce rapport est final et remplace tout autre rapport préliminaire portant ce numéro de certificat. Les résultats s'appliquent aux échantillons soumis. Toutes les pages de ce rapport ont été vérifiées et approuvées avant publication.

Signature: _____

**ALS Chemex**

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Compte: MINVIR

Projet: DIVERS

CERTIFICAT D'ANALYSE VO05052846

Description échantillon	Méthode élément unités L.D	WEI-21 Poids reçu kg 0.02	Au-AA23 Au ppm 0.005	ME-ICP61 Ag ppm 0.5	ME-ICP61 As ppm 5	ME-ICP61 Cu ppm 1	ME-ICP61 Pb ppm 2	ME-ICP61 Sb ppm 5	ME-ICP61 Zn ppm 2	Cu-AA62 Cu % 0.01	ME-ICP61 Mo ppm 1
73501		1.23	<0.005	0.6	<5	164	13	<5	193		1
73502		0.72	0.175	0.6	8	182	<2	<5	38		<1
73503		0.69	0.020	0.9	15	133	40	<5	849		<1
73504		0.90	0.023	1.6	15	84	6	<5	348		<1
73505		0.38	0.010	8.2	<5	>10000	5	<5	115	0.96	1
73506		0.78	<0.005	<0.5	<5	89	<2	<5	131		1

Annex 4 Drillholes logs



Virginia		Logging Book										Hole: NO-05-20															
Metreage		Lithological recording				Sampling				Analyses																	
from	to	Lith 1	Texture	Lith 2	Comments	No.	from	to	length	Au30	Ag	Zn	Pb	As	Cu	Sb	Co	Cu	Ni	Pt	Pd	S	Al2O3	Fe2O3	MgO	Cr2O3	CaO
m	m						m	m	m	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	%	%	%	%	%	%
0,0	4,5	OB		OB																							
4,5	10,6	V3B(M3),HB,CL,BO,PG	GF-GM, folié	V3B	Sp = 53 TCA, non mag, trace PO-CP in matrix. 7.7-8.7m=irregular PG-GR-(CC) veinlets with pale green alteration halos; these veinlets seem to be post-foliation	73551	7,7	8,7	1,0	-5	-0,5	69	5	15	220	-5											
10,6	21,4	I1G,FK,PG,QZ,(M1),(GR)	GG, massive	I1G	White, irregular upper contact; lower contact at 45 TCA and sheared; rounded red garnet (locally 2-3%, max 5 mm)																						
21,4	50,4	V4B,AC,(BO)	GF, foliated	V4H	Medium green and non mag, prismatic AC, pyroxenitic appearance, picritic in composition, generally no SF in matrix; rare PG and CC veinlets late with respect to Sp, pale green irregular alteration zones containing CX?-PG-(CC)-(QZ)-CL?-EP?; these zones locally contain up to 2% PO and trace CP; 44.8-45.5m = 2% CP in between AC prismatic crystals; Around 45m = BO flakes	73552	21,5	22,5	1,0	14	-0,5						52	137	242	11	13	0,14	13,01	11,36	9,00	0,08	12,38
						73553	26,5	27,5	1,0	4	-0,5						49	50	209	10	16	0,03	13,32	11,59	9,10	0,08	12,22
						73554	30,5	31,5	1,0	5	-0,5						53	95	224	13	16	0,09	13,09	11,25	8,23	0,08	15,19
						73555	32,0	33,0	1,0	2	-0,5						49	127	224	10	13	0,14	13,24	11,60	8,79	0,09	13,73
						73556	33,0	34,0	1,0	1	-0,5						49	79	207	10	12	0,07	12,94	11,23	8,46	0,09	14,70
						73557	34,0	35,0	1,0	3	-0,5						49	80	207	15	20	0,05	13,56	11,23	8,44	0,08	14,00
						73558	35,0	36,0	1,0	1	-0,5						51	95	213	16	16	0,09	13,50	11,72	8,28	0,09	14,36
						73559	36,0	37,0	1,0	3	-0,5						47	115	161	16	13	0,11	13,22	11,13	7,45	0,07	15,74
						73560	43,5	44,5	1,0	4	-0,5						53	70	236	13	14	0,05	13,27	11,75	9,42	0,09	13,87
						73561	44,5	45,5	1,0	14	-0,5						59	82	342	10	15	0,02	12,20	12,54	13,27	0,12	9,52
						73562	45,5	46,5	1,0	9	-0,5						51	111	204	14	16	0,06	13,56	11,84	10,14	0,08	10,59
50,4	60,4	I1G,FK,PG,QZ,(M1),(GR)	GG, massive	I1G	White, upper contact at 55 TCA (intrusive and non sheared) GR <1%, lower contact at 35 TCA																						
60,4	71,2	V3B	GF, foliated	V3B	Melanocrate, PO (1%) and CP (tr) in pale green post-foliation alteration zones [CX-PG-QZ-(GR)-(CC)], Sp = 40 TCA From 67.0-71.2m = BO-rich interval	73563	62,0	63,0	1,0	-1	-0,5						42	112	44	-5	1	0,13	13,27	13,04	6,14	-0,01	11,13
						73564	64,0	65,0	1,0	-1	-0,5						44	192	46	-5	-1	0,24	13,25	13,29	6,19	0,02	12,93
						73565	65,0	66,0	1,0	3	-0,5						40	64	42	-5	1	0,08	13,48	12,25	5,93	0,01	12,55
						73566	66,0	67,0	1,0	16	-0,5						42	108	50	-5	2	0,07	14,36	12,60	7,29	0,02	8,08
						73567	67,0	68,0	1,0	32	-0,5						45	101	49	-5	1	0,20	14,16	12,92	7,55	0,01	7,97
						73568	68,0	69,0	1,0	5	-0,5						41	112	47	-5	1	0,19	13,37	13,20	7,47	-0,01	9,16
						73569	69,0	70,0	1,0	-1	-0,5						42	120	93	-5	4	0,19	14,77	11,98	6,70	0,03	11,13
						73570	70,0	71,2	1,2	-1	-0,5						43	110	104	-5	5	0,19	14,81	11,98	6,67	0,04	10,44
71,2	71,6	Altered rock	Massive	Altered rock	White fine-grained rock, FK-QZ-BO-TL, looks like Roberto with TL veinlets, PO (1-2%), MO (trace)	73571	71,2	71,6	0,4	-5	-0,5	24	6	-5	58	-5											
71,6	72,6	Alt. Rock,PG,QZ,MV,(BO)	Massive, GF	Altered rock	White homogeneous fine-grained rock, PG-QZ-MV-(BO), unknown protolith, potassic alteration?, PO-PY (1-2%) clusters	73572	71,6	72,6	1,0	-5	-0,5	12	3	-5	31	-5											
72,6	75,4	White Rock	Fractures	Altered rock	Altered rock (potassic?), ML-QZ-TL, TL in veinlets and disseminated, 30% QZ injections without SF, PO-PY (1-2%) clusters in matrix, fractured core, weak CC+ and EP+	73573	72,6	73,6	1,0	-5	-0,5	12	4	7	26	-5											
						73574	73,6	74,6	1,0	-5	-0,5	10	5	-5	28	-5											
						73575	74,6	75,4	0,8	-5	-0,5	11	15	5	26	-5											
75,4	87,8	V4B,AC,(PH)	Massive, GM	V4B	Elongated AC, no SF in general, fractured core in certain areas, up to 5% PH locally (ex. 84-86 m), PO (<1%) diss and local	73576	75,4	76,4	1,0	-1	-0,5						56	16	268	8	9	0,03	11,18	13,34	11,59	0,10	10,11
						73577	84,0	85,0	1,0	-1	-0,5						63	8	380	12	13	-0,01	11,35	13,00	13,11	0,14	9,97
87,8	102,0	I1G,FK,QZ,PG,(BO)	Massive, GG	I1G,FK,QZ,PG,(BO)	White, black BO, upper contact at 15 TCA and lower contact at 30 TCA, lower contact with a BO schist from 101.5-102.0m. I1G intrusive into this BO schist.																						
102,0	105,1	V4B	GF-GM	OKF	Looks pyroxenitic, AC-CX-ST-PH, non mag, fine to medium-grained (2 mm), no SF, rare mm QZ veinlets	73578	104,0	105,0	1,0	1	-0,5						78	89	1145	-5	6	0,39	5,22	10,08	23,82	0,24	6,02
105,1	126,0	V4,ST,CX,PH,AC,MG	MA	OKF	Moderate mag, no SF except for PO (2%) locally (ex. 114 m) 109.6-111.1 m= White I1G with M8,BO on both sides over 10 cm, upper contact at 30, lower at 30 115.5-116.2 m= White I1G with M8,BO on both sides over 10 cm, upper contact at 30, lower at 40 I1G is post M8, BO	73579	105,5	106,5	1,0	5	-0,5						79	49	1135	5	8	0,38	5,60	10,62	24,94	0,26	6,80
						73580	112,5	113,5	1,0	4	-0,5						71	70	1125	-5	6	0,22	5,33	10,28	23,87	0,26	6,64
						73581	113,5	114,5	1,0	2	-0,5						74	60	936	5	7	0,17	7,57	10,01	23,53	0,25	5,47
						73582	118,5	119,5	1,0	7	-0,5						81	55	1120	9	8	0,11	6,62	12,09	25,61	0,30	7,09
						73583	125,0	126,0	1,0	9	-0,5						84	39	1230	8	8	0,08	5,82	12,25	27,30	0,28	6,46
126,0		EOH		EOH																							

Virginia		Logging Book										Hole NO-05-21																
Meterage		Lithological recording				Sampling				Analyses																		
from	to	Lith 1	Texture	Lith 2	Comments	No.	from	to	length	Au30	Ag	Zn	Pb	As	Cu	Sb	Co	Cu	Ni	Pt	Pd	S	Al2O3	Fe2O3	MgO	Cr2O3	CaO	
m	m						m	m	m	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	%	%	%	%	%	%	
0.0	6.0	OB		OB																								
6.0	19.2	M3,HB,PG	Foliated, GF	V3B	Green, mafic, HB (60%), PG (40%), non mag. PY (trace), mm to <dm QZ veinlets with PG-GR-CL-PY-CP alteration; the largest QZ vein is 6 cm thick with a 30° TCA (// to foliation)	73584	9.0	10.0	1.0	-5	-0.5	43	2	-5	7	-5												
						73585	10.0	11.0	1.0	-5	-0.5	50	7	-5	40	-5												
						73586	11.0	12.0	1.0	-5	-0.5	60	2	15	10	-5												
						73587	12.0	13.0	1.0	-5	-0.5	49	3	7	18	-5												
						73588	13.0	14.0	1.0	-5	-0.5	57	3	-5	7	-5												
						73589	14.0	15.0	1.0	6	0.5	54	5	-5	784	-5												
						73590	15.0	16.0	1.0	-5	-0.5	62	-2	6	95	-5												
						73591	16.0	17.0	1.0	-5	-0.5	91	4	-5	133	-5												
						73592	17.0	18.1	1.1	-5	-0.5	74	3	-5	86	-5												
						73593	18.1	19.2	1.1	11	-0.5	76	6	6	98	-5												
19.2	22.6	S9D,AM,EP,QZ,GR,MG	Laminated	S9D	Well-defined laminations, folded and locally boudinated, magnetic, PY (2-4%), PO (2-4%)	73594	19.2	20.0	0.8	13	0.8	249	8	-5	509	-5												
						73595	20.0	21.0	1.0	6	-0.5	237	9	-5	126	-5												
						73596	21.0	22.0	1.0	16	-0.5	188	7	-5	154	-5												
						73597	22.0	22.6	0.6	14	-0.5	156	13	-5	130	-5												
22.6	30.5	M3,HB,(PG)	Foliated	V4H	Melanocrate at top becoming mafic towards bottom, PY (tr) diss, BO (2-3%) locally, dm white IIG with (HM+), picritic	73598	22.6	23.6	1.0	8	-0.5	70	-2	-5	49	-5		47	75	188	12	16	0.01	15.57	11.69	8.78	0.05	10.58
						73599	27.0	28.0	1.0	10	-0.5																	
30.5	33.5	IIG	Massive	IIG	Pinkish, upper contact at 40° TCA, lower contact at 60° TCA																							
33.5	91.6	M3(V3-V4B)	Foliated, GF	V3B-V4H	Melanocrate, locally AC-rich (V4H), non mag, looks like a tectonite with a mineral lineation, rare mm CC veinlets 37.2-37.3 m = post-foliation QZ-FK zone with CP trace 54.4-56.6 m = IIG, upper contact 60° TCA, lower contact 60° TCA 73.5-75.5 m = 30% dm QZ veins without SF 79.9-83.0 m = 10% BO in V3B 83.0-85.4 m = <5% mm pinkish veinlets (QZ-FK-HM+)	73600	37.0	38.0	1.0	-5	-0.5	70	3	8	108	-5												
						73601	41.5	42.5	1.0	-1	-0.5						47	107	195	9	16	0.05	15.79	11.58	9.03	0.05	11.27	
						73602	47.0	48.0	1.0	1	-0.5						50	117	190	8	15	0.07	15.64	11.85	8.39	0.05	11.66	
						73603	48.5	49.5	1.0	-5	-0.5	111	12	-5	68	-5												
						73604	53.0	54.0	1.0	-5	-0.5	67	-2	-5	122	-5												
						73605	60.0	61.0	1.0	-5	-0.5	80	-2	-5	137	-5												
						73606	64.0	65.0	1.0	-5	-0.5	72	-2	-5	106	-5												
						73607	67.5	68.5	1.0	1	-0.5						50	132	202	10	16	0.06	15.9	11.7	9.43	0.07	11.21	
						73608	72.5	73.5	1.0	-5	-0.5	73	-2	-5	88	-5												
						73609	73.5	74.5	1.0	-5	-0.5	52	-2	-5	27	-5												
						73610	74.5	75.5	1.0	-5	-0.5	35	2	-5	14	-5												
						73611	75.5	76.5	1.0	-5	-0.5	69	-2	-5	108	-5												
						73612	81.0	82.0	1.0	-5	-0.5	63	-2	-5	126	-5												
						73613	82.0	83.0	1.0	-5	0.5	69	3	-5	111	-5												
						73614	83.0	84.0	1.0	-5	-0.5	72	-2	-5	70	-5												
						73615	84.0	85.0	1.0	14	-0.5	99	11	6	110	-5												
						73616	85.0	86.0	1.0	13	-0.5	116	2	-5	53	-5												
						73617	90.6	91.6	1.0	-5	-0.5	90	5	-5	105	-5												
91.6	96.1	S9D,QZ,AM,(GR)	Laminated	S9D	Green, variable and folded bedding, highly mag, cm and allotriomorphic garnet porphyroblasts, clusters PY (1-2%) + locally in discordant mm veinlets, upper contact at 20° TCA	73618	91.6	92.6	1.0	6	-0.5	215	6	-5	159	-5												
						73619	92.6	93.6	1.0	-5	-0.5	177	4	-5	57	-5												
						73620	93.6	94.6	1.0	8	0.5	229	23	-5	191	-5												
						73621	94.6	95.1	0.5	7	-0.5	256	7	-5	141	-5												
						73622	95.1	96.1	1.0	9	0.6	657	35	-5	318	-5												
96.1	100.4	IIG	Massive, coarse	IIG	Pink, FK-rich, two dm V3B floats, intrusive into S9																							
100.4	101.9	S9D,QZ,AM,(GR)		S9D	Variable bedding (locally // to core), highly mag	73623	100.4	101.0	0.6	90	1	534	35	-5	896	-5												
						73624	101.0	101.9	0.9	50	0.5	201	8	-5	530	-5												
101.9	108.1	M3(V3B),HB,PG	Foliated, GF	V3B	A few PG and/or QZ veinlets, non mag 106.2-106.6 m = S3,BO(20-25%), PG-QZ, PY (1-2%) diss, S0 at 60 TCA	73625	101.9	102.9	1.0	-5	-0.5	69	-2	-5	32	-5												
						73626	107.1	108.1	1.0	-5	-0.5	101	4	-5	114	-5												
108.1	108.9	S9D,AM,QZ,MG,GR	Laminated	S9D	QZ-(CC)-(PY) veinlets, PO (5%), PY(3-4%), CP (trace), AS (trace)	73627	108.1	108.9	0.8	11	0.5	58	6	-5	978	-5												
108.9	115.9	M3(V3B),HB,PG	Foliated, GF	V3B	Green, non mag, QZ, QZ-PG, QZ-CC veinlets crosscutting Sp, may contain PY (tr) and MO (tr)	73628	108.9	109.9	1.0	-5	-0.5	34	-2	-5	35	-5												
						73629	109.9	110.9	1.0	-5	-0.5	33	-2	-5	16	-5												
						73630	110.9	111.9	1.0	-5	-0.5	54	8	-5	15	-5												
						73631	111.9	112.9	1.0	-5	-0.5	43	-2	-5	21	-5												
						73632	114.9	115.9	1.0	-5	-0.5	46	2	-5	6	-5												
115.9	116.9	S9D,AM,QZ,MG,GR	Laminated	S9D	Folded, boudinated and ruptured, PY (3-4%) mainly in discordant mm veinlets, PO (3-4%)	73633	115.9	116.9	1.0	362	1.3	146	29	-5	399	-5												
116.9	119.5	M3(V3B)	Foliated, GF	V3B	PY in mm PG-QZ veinlets crosscutting foliation	73634	116.9	117.9	1.0	-5	-0.5	55	2	-5	25	-5												
						73635	117.9	118.9	1.0	-5	-0.5	54	-2	-5	20	-5												
						73636	118.9	119.5	0.6	-5	-0.5	52	3	-5	65	-5												
119.5	121.7	S9D,AM,(GR),(PG),(QZ)		S9D	Very dark, non laminated from 119.5-121.0m, abundant MG, PO-(PY) <5%, upper contact 50° TCA	73637	119.5	120.5	1.0	7	-0.5	113	6	-5	87	-5												
						73638	120.5	121.7	1.2	30	-0.5	84	7	-5	115	-5												

from	to	Lith 1	Texture	Lith 2	Comments	No.	from	to	length	Au30	Ag	Zn	Pb	As	Cu	Sb	Co	Cu	Ni	Pt	Pd	S	Al2O3	Fe2O3	MgO	Cr2O3	CaO
121.7	177.0	M3(V3B),HB,PG,QZ	Foliated, GF	V3B	Non mag, PY (1-2mm), QZ veinlets locally plus 1 dm QZ vein Trace CP in diffuse QZ zones	73639	121.7	122.8	0.9	-5	-0.5	49	4	-5	89	-5											
						73640	125.1	126.1	1.0	-5	-0.5	46	-2	-5	19	-5											
						73641	133.5	134.5	1.0	-5	-0.5	78	12	6	210	-5											
						73642	140.0	141.0	1.0	-5	-0.5	65	11	8	13	-5											
						73643	144.0	145.0	1.0	-5	-0.5	52	3	11	95	-5											
						73644	145.0	146.0	1.0	15	-0.5	51	-2	5	387	-5											
						73645	147.0	148.0	1.0	-5	-0.5	52	-2	-5	50	-5											
						73646	149.0	150.0	1.0	-5	-0.5	45	9	-5	117	-5											
						73647	151.0	152.0	1.0	-5	-0.5	51	-2	-5	13	-5											
						73648	153.0	154.0	1.0	-5	-0.5	90	5	-5	83	-5											
						73649	159.1	160.1	1.0	36	-0.5	63	-2	6	567	-5											
						73650	165.0	166.0	1.0	-5	-0.5	64	-2	5	100	-5											
						73651	171.0	172.0	1.0	8	-0.5	66	-2	-5	1185	-5											
						73652	176.0	177.0	1.0	5	-0.5	64	-2	-5	405	-5											
177.0		EOH		EOH																							

Virginia		Logging Book										Hole: NO-05-22															
Meterage		Lithological recording				Sampling				Analyses																	
from	to	Lith 1	Texture	Lith 2	Comments	No.	from	to	length	Au30	Ag	Zn	Pb	As	Cu	Sb	Co	Cu	Ni	Pt	Pd	S	Al2O3	Fe2O3	MgO	Cr2O3	CaO
m	m						m	m	m	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	%	%	%	%	%	%
0.0	19.5	OB		OB																							
19.5	23.4	M3(V3B),HB,QC,PG	Foliated, GF	V3B	Green, minor mineral segregation, no to trace SF	73653	22.4	23.4	1.0	-5	-0.5	96	-2	-5	86	-5											
23.4	25.5	S9D,AM,QZ,PG,(GR),MG	Laminated	S9D	Regular bedding, upper contact 50° TCA and lower 50° TCA	73654	23.4	24.4	1.0	26	0.5	72	-2	5	895	-5											
						73655	24.4	25.5	1.1	22	-0.5	51	2	7	911	-5											
25.5	38.1	M3(V3B)		V3B	From 25.5-26.4 m = M3 (V3B) with mm QZ veinlets and GR-AC alteration, PO-PY (2-3%) and CP (tr)	73656	25.5	26.4	0.9	11	-0.5	37	-2	6	166	-5											
						73657	26.4	27.4	1.0	5	-0.5	34	-2	-5	74	-5											
					Below 26.4 m = M3 (V3B) non altered PY (<1%), a few QZ veinlets // and discordant to Sp	73658	28.5	29.5	1.0	-5	-0.5	43	-2	-5	14	-5											
						73659	33.0	34.0	1.0	28	-0.5	41	-2	-5	30	-5											
					Local deformed garnet porphyroblasts (<2%) less than 1 m from S9, PY (tr)	73660	37.1	38.1	1.0	-5	-0.5	51	21	-5	9	-5											
38.1	38.5	S9D,AM,QZ,GR,MG	Laminated	S9D	Highly mag, PY (3-4%), may be alteration in basalt (similar to 45.0-45.2 m)	73661	38.1	38.5	0.4	8	-0.5	92	8	7	215	-5											
38.5	150.0	M3(V3B),HB,PG	Foliated, GF	V3B	Non mag, mm QZ veinlets // and discordant to Sp with local 1-2% PY	73662	38.5	39.5	1.0	-5	-0.5	46	6	11	168	-5											
					Rare CC veinlets	73663	45.0	46.0	1.0	-5	-0.5	52	-2	9	79	-5											
					38.5-39.2 m = V3 with deformed garnet porphyroblasts, PY (2%) clusters	73664	48.0	49.0	1.0	-5	-0.5	49	-2	5	42	-5											
					45.0-45.2 m = QZ-GR-MG-(PY) alteration looking like S9D	73665	52.0	53.0	1.0	-5	-0.5	64	-2	-5	100	-5											
					65.4-66.0 m = highly fractures core, HM+	73666	54.5	55.5	1.0	7	-0.5	69	-2	-5	186	-5											
					101.5-104.5 m = >50% AM-PG-QZ-CX-(GR)-(CC) alteration with PY	73667	61.0	62.0	1.0	-5	-0.5	49	-2	-5	45	-5											
					(3-4%) and PO (1-2%), a few mm QZ veinlets	73668	65.4	66.0	0.6	5	-0.5	84	-2	-5	57	-5											
					130.0-145.0 m = leuco-dioritic to tonalitic dm zones with contacts // to Sp, no SF	73669	69.0	70.0	1.0	-5	-0.5	59	-2	-5	112	-5											
						73670	70.5	71.5	1.0	-5	-0.5	95	20	-5	96	-5											
					140.5-140.7 m = fault zone	73671	73.0	74.0	1.0	-5	-0.5	42	-2	-5	124	-5											
						73672	74.0	75.0	1.0	-5	-0.5	52	-2	-5	147	-5											
						73673	80.5	81.5	1.0	-5	-0.5	57	-2	-5	127	-5											
						73674	83.5	84.5	1.0	5	-0.5	56	-2	6	155	-5											
						73675	89.0	90.0	1.0	-5	-0.5	73	-2	-5	109	-5											
						73676	97.5	98.5	1.0	-5	-0.5	63	-2	11	318	-5											
						73677	100.5	101.5	1.0	10	-0.5	87	27	-5	53	-5											
						73678	101.5	102.5	1.0	8	-0.5	58	10	7	97	-5											
						73679	102.5	103.5	1.0	83	-0.5	49	10	-5	20	-5											
						73680	103.5	104.5	1.0	264	-0.5	53	5	-5	178	-5											
						73681	104.5	105.5	1.0	7	-0.5	43	3	9	36	-5											
						73682	110.0	111.0	1.0	5	-0.5	64	8	-5	130	-5											
						73683	120.5	121.5	1.0	-5	-0.5	49	9	-5	172	-5											
						73684	125.5	126.5	1.0	-5	-0.5	33	-2	9	146	-5											
						73685	129.0	130.0	1.0	-5	-0.5	85	12	-5	241	-5											
						73686	130.0	131.0	1.0	-5	-0.5	69	13	-5	184	-5											
						73687	131.0	132.0	1.0	-5	-0.5	80	20	-5	43	-5											
						73688	132.0	133.0	1.0	-5	-0.5	190	8	-5	52	-5											
						73689	137.0	138.0	1.0	8	-0.5	67	7	8	226	-5											
						73690	142.0	143.0	1.0	-5	-0.5	92	7	-5	162	-5											
						73691	143.5	144.5	1.0	-5	0.6	741	88	-5	330	-5											
						73692	144.5	145.5	1.0	-5	0.5	429	43	7	258	-5											
150.0		EOH		EOH		73693	149.0	150.0	1.0	-5	-0.5	92	8	-5	162	-5											

Virginia		Logging Book										Hole: NO-05-23															
Meterage		Lithological recording				Sampling				Analyses																	
from	to	Lith 1	Texture	Lith 2	Comments	No.	from	to	length	Au30	Ag	Zn	Pb	As	Cu	Sb	Co	Cu	Ni	Pt	Pd	S	Al2O3	Fe2O3	MgO	Cr2O3	CaO
m	m						m	m	m	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	%	%	%	%	%	%
0,0	9,9	OB		OB																							
9,0	10,8	3A(M3),HB,AC,PG,(QZ)	#foliated, GF	3A	May be basaltic, lower contact at 20° TCA																						
10,8	11,7	11C(M3),PG,FK,(QZ)	Weakly foliated, GM	11C	pinkish white, non mag, no SF, slightly monzonitic																						
11,7	14,6	S3(M4),QZ,PG,BO	GM	S3	BO (20-25%), relatively massive, non mag, lower contact at 40° TCA (mylonitized and chloritized over 1 cm)	73694	12,5	13,5	1,0	-5	0,9	55	106	-5	30	-5											
14,6	17,0	11C(M3),PG,FK,QZ,BO	GM	11C	Looks like 10.8-11.7m interval, slightly pinkish, minor chlorite, non mag																						
17,0	31,6	M4(S3),QZ,PG,BO	GF-GM	S3	No SF, non mag	73695	20,5	21,5	1,0	-5	-0,5	50	13	9	13	-5											
						73696	26,0	27,0	1,0	-5	-0,5	51	11	-5	89	-5											
						73697	27,0	28,0	1,0	-5	-0,5	43	6	6	33	-5											
						73698	28,0	29,0	1,0	-5	-0,5	50	2	9	89	-5											
31,6	35,5	11G,FK,QZ,PG	Massive, GG	11G	Pinkish, green-yellow mm epidote veinlets, black HB clusters (1-2%) with trace GR																						
35,5	46,8	M4(S3),PG,QZ,BO	Foliated, GF-GM	S3	Greyish, with tonalitic leucosome-like BO-devoid zones, no SF, minor sub-metric mafic intervals	73699	42,5	43,5	1,0	-5	-0,5	46	6	-5	33	-5											
46,8	50,0	11C	GM	11C	Slightly pinkish, grain diameters up to 1 cm, greyish M4(S3) intervals																						
50,0	76,1	M4(S3),PG,QZ,BO,CL,CX?	Foliation, GF	S3	Greyish, non mag, PY (tr), some mafic intervals and local cm to dm 11C crosscutting foliation	73700	54,0	55,0	1,0	-5	-0,5	79	3	6	48	-5											
76,1	86,9	M1(S3?),AC,PG,QZ,BO		S3?	Looks like M4(S3) but AC more abundant than BO, uncertain protolith with a rather mafic composition, crosscut by 11C and 11D, SF-devoid QZ vein (15-20 cm thick)	73701	78,2	79,2	1,0	-5	-0,5	48	5	-5	12	-5											
						73702	82,5	83,5	1,0	-5	-0,5	55	6	-5	152	-5											
						73703	83,5	84,5	1,0	-5	-0,5	46	7	-5	54	-5											
86,9	88,8	V3B,AC,PG,QZ	Massive, GF	V3B	Mafic, grains (1-2 mm), no foliation, non mag, folded upper contact																						
88,8	98,7	M4(S3),PG,QZ,BO,CL	Foliation	S3	Looks like a wacke (BO=20%) with chlorite, no SF, non mag, 11C and 11D veinlet, upper contact invaded by 11G (30 cm thick)																						
98,7	103,9	V3B(M3),AC,PG,(QZ)		V3B	Variable foliation with dm folds, no SF, non mag, medium green with white dots, upper contact at 45°TCA and lower at 60°TCA, mm PG-QZ veinlets and 11D (1m thick)																						
103,9	119,2	M1(S3?),AC,CL,PG,QZ,BO	Foliated, GF	S3?	Looks like a wacke but with a high proportion of ferromagnesian minerals (chloritized AM?), non mag, no SF, 116,0-119,2 m =AC-CL more abundant than BO	73704	110,0	111,0	1,0	-5	-0,5	78	-2	-5	18	-5											
						73705	118,2	119,2	1,0	-5	-0,5	69	7	8	27	-5											
119,2	121,8	11D-11C,PG,QZ,FK	GM	11D-11C	BO+CL (<1%), weak EP+, grains (2 mm), no SF, very weak mineral lineation, upper contact at 15°TCA, becoming more 11C under 120,1 m, SF-devoid QZ vein (60 cm thick)	73706	119,2	120,2	1,0	-5	-0,5	13	10	5	9	-5											
121,8	124,5	M1(S3?),PG,FK,CL,QZ,BO	Foliated, GF	S3?	Slightly pinkish because of FK, PY (tr), grains 1 mm, possibly MV?, 11C crosscutting foliation, FK disappears under 124,5 m	73707	122,5	123,5	1,0	-5	-0,5	52	6	8	18	-5											
124,5	150,0	M4(S3),PG,QZ,BO,(CL)	Foliated, GF	S3	Grey, medium-grained tonalitic injections (5-10%), PY (1%), PO (5%) at 136,0 m	73708	135,5	136,5	1,0	-5	-0,5	43	2	9	105	-5											
					138,0-150,0 m = CL is more abundant than BO	73709	138,0	139,0	1,0	5	-0,5	46	4	7	84	-5											
						73710	149,0	150,0	1,0	-5	-0,5	47	9	-5	78	-5											
150,0		EOH		EOH																							

Virginia		Logging Book										Title: NO-05-24																
Meterage		Lithological recording				Sampling				Analyses																		
from	to	Lith 1	Texture	Lith 2	Comments	No.	from	to	length	Au30	Ag	Zn	Pb	As	Cu	Sb	Co	Cu	Ni	Pt	Pd	S	Al2O3	Fe2O3	MgO	Cr2O3	CaO	
m	m						m	m	m	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	%	%	%	%	%	%	
0,0	4,5	OB		OB																								
4,5	95,2	I1D(T2),QZ,PG,BO,(MG)	Tectonite, GM	I1D	Grains (1-2 mm), strong mineral lineation at 90° TCA, weak to moderately mag, BO (10-20%), local and minor (EP), (CL), (HB), (FK) / PY (tr) except in zones containing QZ veins and CL, GR and (EP+) alteration, 28,5-32,5 m = Two medium green V4B horizons / I1D intrusive into V4 (highly fractured core) 28,8-29,5 m = Fault gouge with chlorite and I1D fragments 71,3-72,9 m = M3 (V3B),AC,PG,(QZ),(BO), foliation at 60°TCA 88,0-90,0 m = mineralized intersection PO (5%), CP (1%), PY (1%); SF in cm irregular bands; mm to cm QZ veinlets not associated to SF	73711	4,5	5,5	1,0	7	-0,5	44	9	-5	23	-5												
						73712	7,5	8,5	1,0	18	-0,5	64	5	9	20	-5												
						73713	8,5	9,5	1,0	9	-0,5	46	4	-5	19	-5												
						73714	9,5	10,5	1,0	5	-0,5	46	2	-5	31	-5												
						73715	10,5	11,5	1,0	22	-0,5	35	-2	-5	256	-5												
						73716	11,5	12,5	1,0	287	-0,5	20	3	-5	17	-5												
						73717	19,0	20,0	1,0	-5	-0,5	24	4	-5	18	-5												
						73718	21,5	22,5	1,0	13	-0,5	25	3	-5	202	-5												
						73719	22,5	23,5	1,0	10	-0,5	29	5	-5	218	-5												
						73720	25,5	26,5	1,0	5	-0,5	23	2	-5	122	-5												
						73721	37,5	38,5	1,0	-5	-0,5	32	4	-5	21	-5												
						73722	53,0	54,0	1,0	9	-0,5	37	-2	-5	30	-5												
						73723	55,5	56,5	1,0	17	-0,5	34	5	-5	72	-5												
						73724	56,5	57,5	1,0	48	0,5	36	-2	-5	431	-5												
						73725	58,5	59,5	1,0	7	-0,5	34	5	-5	35	-5												
						73726	60,5	61,5	1,0	71	-0,5	33	-2	6	286	-5												
						73727	66,5	67,5	1,0	31	0,6	78	13	-5	67	-5												
						73728	74,5	75,5	1,0	8	-0,5	41	6	10	42	-5												
						73729	78,5	79,5	1,0	23	0,5	35	4	-5	102	-5												
						73730	79,5	80,5	1,0	19	-0,5	20	6	-5	120	-5												
						73731	82,0	83,0	1,0	9	-0,5	37	-2	-5	71	-5												
						73732	83,0	84,0	1,0	54	-0,5	32	3	5	362	-5												
						73733	84,0	85,0	1,0	27	-0,5	33	6	-5	201	-5												
						73734	85,0	86,0	1,0	100	-0,5	34	7	-5	437	-5												
						73735	86,0	87,0	1,0	5	-0,5	45	6	-5	28	-5												
						73736	87,0	88,0	1,0	17	-0,5	38	6	10	132	5												
						73737	88,0	89,0	1,0	114	0,7	34	6	5	931	-5												
						73738	89,0	90,0	1,0	361	3,5	108	25	5	4120	-5												
						73739	90,0	91,0	1,0	-5	-0,5	29	7	14	66	-5												
95,2	98,1	UM,AC,(PH),(MG)	GF	OKF	Medium green, mag locally, up to 2% PO and trace CP locally, M8,PH-TC over 5 cm at upper contact	73740	95,5	96,5	1,0	7	-0,5						78	129	683	15	19	0,07	7,72	11,15	24,07	0,32	5,74	
98,1	100,3	V3B,AC,PG		V4H	PG (25%), melanocrate	73741	98,1	98,7	0,6	2	-0,5						53	235	137	-5	6	0,38	12,05	14,66	8,35	0,06	11,12	
						73742	99,2	100,2	1,0	1	-0,5						51	637	114	27	29	0,54	14,88	8,72	11,58	0,04	11,31	
100,3	171,0	UM,ST,TM,MG	GF-GM	oOC-1 (oOC-2)	Highly mag, abundant ST, upper contact at 75-80°TCA marked by M8 with PH (< 1 cm thick), no SF in general except for interstitial PO (10-15%) in some dm zones, breccias and mylonitic zones locally 163,4-166,0 m = M8 with PH-AR, very soft	73743	101,0	102,0	1,0	3	-0,5						85	117	837	20	41	0,03	4,77	13,52	27,41	0,36	4,67	
						73744	105,0	106,0	1,0	-1	-0,5						87	27	1150	26	39	0,01	1,84	11,65	33,27	0,49	1,93	
						73745	108,0	109,0	1,0	1	-0,5						93	37	1605	12	3	0,02	1,53	11,53	38,08	0,55	1,20	
						73746	109,0	110,0	1,0	4	-0,5						101	70	1755	16	10	0,22	1,03	10,63	35,98	0,55	3,14	
						73747	110,0	111,0	1,0	1	-0,5						81	55	1435	5	11	0,23	3,20	10,10	32,34	0,50	4,63	
						73748	111,0	112,0	1,0	-1	-0,5						99	146	915	-5	2	1,18	8,61	12,38	31,11	0,22	4,44	
						73749	112,0	113,0	1,0	1	-0,5						102	54	1985	-5	6	0,20	1,09	11,49	38,93	0,60	1,22	
						73750	121,0	122,0	1,0	-1	-0,5						98	109	2290	-5	13	0,07	1,33	11,08	41,07	0,66	0,86	
						73751	125,0	126,0	1,0	-1	-0,5						56	18	1015	6	-1	0,03	4,34	5,92	25,16	0,36	9,13	
						73752	130,0	131,0	1,0	-1	-0,5						112	48	1285	-5	18	0,13	3,22	11,99	36,76	0,53	1,30	
						73753	134,0	135,0	1,0	4	-0,5						129	10	2020	-5	3	0,14	1,94	11,60	39,87	0,67	0,28	
						73754	139,5	140,0	1,0	2	-0,5						103	24	1670	-5	4	0,26	3,80	11,61	35,44	0,48	3,30	
						73755	142,0	143,0	1,0	-1	-0,5						117	24	1945	9	5	0,20	1,83	12,46	38,81	0,59	1,73	
						73756	147,0	148,0	1,0	7	-0,5						112	15	1910	12	6	0,05	2,22	14,35	39,88	0,61	0,78	
						73757	151,5	152,5	1,0	1	-0,5						109	15	1860	13	8	0,08	2,27	12,90	37,05	0,54	1,08	
						73758	157,0	158,0	1,0	-1	-0,5						118	17	1710	9	8	0,10	2,33	13,14	37,20	0,49	1,40	
						73759	161,0	162,0	1,0	-1	-0,5						106	14	1335	19	7	0,05	2,53	12,11	34,53	0,45	1,52	
						73760	168,0	169,0	1,0	1	-0,5						101	4	1525	13	3	0,04	1,48	9,57	33,01	0,46	0,70	
171,0	174,4	I1G,FK,PG,QZ,(BO)	Massive	I1G	White, M8 with BO at upper contact and M8 with PH at lower contact																							
174,4	179,6	UM		oMC	No SF, peridotitic	73761	178,0	179,0	1,0	1	-0,5						97	5	2490	5	1	0,08	0,76	7,22	44,21	0,37	0,11	
179,6	182,2	I1G,FK,PG,QZ,(BO)	Massive	I1G	White, both contacts are made up of M8 with BO in which I1G is intrusive																							
182,2	210,0	UM,AR,MG	Massive	oMC	Peridotitic, the yellowish green color suggests abundant AR, no SF, soapstone touch 198,0-210,0 m = UM alternating with I1G, V3B and V4B at submetric scales	73762	187,0	188,0	1,0	14	-0,5						105	3	2520	-5	1	0,11	0,53	9,83	41,08	0,64	0,11	
						73763	189,5	190,5	1,0	-1	-0,5						128	8	1935	-5	-1	0,1						

from	to	Lith 1	Texture	Lith 2	Comments	No.	from	to	length	Au30	Ag	Zn	Pb	As	Cu	Sb	Co	Cu	Ni	Pt	Pd	S	Al2O3	Fe2O3	MgO	Cr2O3	CaO
210,0	222,0	UM(V4B),AC,(PG)	GF	oKF-aC	Medium green, >90% AC (dark green to black), 5% PG, non mag, no SF, grains (1 mm), mm to dm PG-QZ injections	73766	211,5	212,5	1,0	-1	-0,5						92	45	1185	5	5	0,08	3,06	10,80	26,13	0,48	2,45
					219,2-219,8 m = S2?,QZ,PG,BO(5-10%), non mag, fine-grained	73767	220,5	221,5	1,0	2	-0,5						54	91	259	11	13	0,01	14,99	11,51	11,27	0,02	9,61
222,0	249,0	V3B,AC,PG,(BO)		V3B	Mafic, gradual transition with upper unit, PY (tr) locally, S2 and I1G locally, post-foliation mm PG-QZ-CC veinlets with minor off-sets	73768	229,0	229,8	0,8	5	-0,5						46	140	92	-5	1	0,07	13,42	13,26	7,67	0,01	8,82
					at 240,3 m = up to 60% black TL with PG-QZ; rare fibrolite in S2;	73769	229,8	230,7	0,9	9	-0,5	45	24	-5	98	-5											
					at 241,5 m and 241,8 m = semi-massive black TL	73770	234,0	235,1	1,1	10	-0,5	88	7	-5	152	-5											
						73771	240,2	240,5	0,3	-5	-0,5	12	2	-5	30	-5											
249,0		EOH		EOH		73772	248,0	249,0	1,0	-5	-0,5	76	8	-5	61	-5											

Virginia			Logging Book										Hole: NO-05-25															
Meterage			Lithological recording			Sampling			Analyses																			
from	to	Lith 1	Texture	Lith 2	Comments	No.	from	to	length	Au30	Ag	Zn	Pb	As	Cu	Sb	Co	Cu	Ni	Pt	Pd	S	Al2O3	Fe2O3	MgO	Cr2O3	CaO	
m	m						m	m	m	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	%	%	%	%	%	%	
0,0	2,6	OB		OB																								
2,6	18,5	I3B,PG,HB,(CX),(BO),MG	Massive, GM	I3B	Highly mag, grains (2-3 mm), doleritic texture, irregular lower contact at 40°TCA, PY (tr) diss																							
18,5	44,0	V3B,CL,AC,PG	Massive	V3B	Medium green, aphanitic, non mag, low metam grade, PO (1%) locally, diffuse pale green QZ-PG-(GR)-CX? alteration zones and veinlets with PY-PO (1%), rare mm CC veinlets, probably highly Si++	73773	19,0	20,0	1,0	8	-0,5	88	-2	14	120	-5		49	125	85	<5	1	0,07	13,59	13,65	7,44	0,02	8,41
						73774	21,5	22,5	1,0	4	-0,5																	
						73775	27,0	28,0	1,0	-5	-0,5	103	-2	12	195	-5												
						73776	31,0	32,0	1,0	-5	-0,5	90	5	12	121	5												
						73777	37,0	38,0	1,0	-5	-0,5	104	3	-5	138	7												
						73778	40,0	41,0	1,0	5	-0,5	86	-2	10	122	6												
44,0	48,3	V3B,BO	Massive	V3B	BO is present over dm intervals 46,8-48,3 m = GR porphyroblasts (<3-4 mm, 5%) in V3B, no SF																							
48,3	69,8	I3A(M3),AC,PG,(QZ)	Weakly foliated, GM	I3A	Grains (1-2 mm), mm mylonites, non mag, PY-PO-CP (tr) diss., looks more like a gabbro, rare mm QZ (±PG) veinlets (<1%) 48,3-49,7 m = BO (5-10%)	73779	56,0	57,0	1,0	1	-0,5						47	82	24	<5	<1	0,08	12,95	16,35	6,44	<0,01	8,45	
						73780	60,0	61,0	1,0	-1	-0,5						49	82	29	<5	<1	0,11	13,42	15,89	6,39	<0,01	7,9	
						73781	65,0	66,0	1,0	7	-0,5	71	-2	-5	156	-5												
						73782	66,0	67,0	1,0	9	-0,5	75	3	-5	115	-5												
						73783	67,0	68,0	1,0	-5	-0,5	86	-2	7	79	9												
						73784	68,0	69,0	1,0	-5	-0,5	136	-2	13	108	-5												
69,8	114,4	V3B,CL,AC,PG	Massive	V3B	Unclear transition with upper I3A; V3 similar to that in the 18,5-44,0 m interval, pale green alteration halos (CL-CX?-(GR)) surrounding QZ+CC+PG veinlets 113,8-114,3 m = 2 I3B, aphanitic with CX phenocrysts (15%, 1 mm)	73785	75,5	76,5	1,0	5	-0,5	98	-2	23	137	-5												
						73786	76,5	77,5	1,0	8	-0,5	90	2	7	102	8												
						73787	84,0	85,0	1,0	-5	-0,5	87	2	-5	111	8												
						73788	85,0	86,0	1,0	-5	-0,5	91	6	-5	95	-5												
						73789	92,5	93,5	1,0	-5	-0,5	76	4	19	170	-5												
						73790	95,5	96,5	1,0	-5	-0,5	72	3	9	86	-5												
						73791	96,5	97,5	1,0	5	-0,5	70	2	-5	154	-5												
						73792	104,0	105,0	1,0	14	-0,5	70	4	-5	116	-5												
						73793	110,0	111,0	1,0	19	-0,5	67	-2	8	219	-5												
						73794	111,0	112,0	1,0	5	-0,5	64	3	5	61	-5												
114,4	120,8	V3B,BO		V3B	Medium green, looks like basalt with BO (10-20%), pale green alteration, non mag except on PO in pale green zones	73795	114,5	115,5	1,0	10	-0,5						51	171	66	11	15	0,02	15,67	13,27	8,73	0,01	8,86	
						73796	117,8	118,8	1,0	26	-0,5						40	109	97	15	17	0,31	14,51	13,13	5,58	0,04	14,34	
						73797	118,8	119,8	1,0	24	-0,5	81	9	185	164	-5												
						73798	119,8	120,8	1,0	24	-0,5	82	-2	138	100	-5												
120,8	124,0	QZ-rich rock		QZ flooding, S	QZ flooding between V3B and S9, a few V3 remnants and patches of AC-MG-(GR)-CL, black patches are made up of 100% fine-grained HB From 122,4 m = up to 5% AS as clusters, PO (1%) and CP (tr)	73799	120,8	121,8	1,0	18	-0,5	59	7	1135	25	-5												
						73800	121,8	122,8	1,0	2450	0,6	39	3	>10000	26	21												
						73801	122,8	124,0	1,0	1970	-0,5	36	-2	>10000	22	20												
124,0	133,5	S9B,QZ,MG,AM,(EP)	Laminated	S9B (S)	MG (20%), PO (5%) // to bedding, AS (<1%) locally, CP (tr), (GR) locally mostly from 132,0-133,5 m	73802	124,0	125,0	1,0	505	-0,5	20	2	987	27	-5												
						73803	125,0	126,0	1,0	108	-0,5	5	-2	977	23	-5												
						73804	126,0	127,0	1,0	175	-0,5	9	-2	404	23	-5												
						73805	127,0	128,0	1,0	90	-0,5	8	11	404	20	-5												
						73806	128,0	129,0	1,0	151	-0,5	13	-2	221	30	-5												
						73807	129,0	130,0	1,0	43	-0,5	12	6	252	21	-5												
						73808	130,0	131,0	1,0	25	-0,5	9	-2	101	8	-5												
						73809	131,0	132,0	1,0	14	-0,5	11	2	58	6	-5												
						73810	132,0	133,0	1,0	9	-0,5	17	-2	10	12	-5												
						73811	133,0	133,5	0,5	8	-0,5	16	-2	6	48	-5												
133,5	134,8	I3B	Massive	I3B	Aphanitic, saussuritized PG phenocrysts (2-3 mm, 5%), weakly mag, recrystallized diss PY (1%), upper contact at 35°TCA and lower at 47°TCA																							
134,8	151,1	S3(M4,PG,QZ,BO,(MV)	GF, weakly foliated	S3	Mineral segregation at 50°TCA, non mag, rare (<1%) mm PG-QZ veinlets, very scarce GR, very rare post foliation muscovite porphyroblasts	73812	134,8	135,8	1,0	12	-0,5	72	17	-5	20	-5												
						73813	143,0	144,0	1,0	-5	-0,5	68	25	14	42	-5												
						73814	150,1	151,1	1,0	-5	-0,5	66	18	65	42	-5												
151,1	160,0	S9B,QZ,MG,AM	Laminated	S9B (S)	Translucent green amphibole, MG (20%), QZ (60%), AM (20%), upper contact at 40°TCA, PO, a few folds; 159,7-159,9 m = I3B aphanitic with CX phenocrysts (1 mm, 15%), upper contact at 42°TCA at very high angle with S9 bedding	73815	151,1	152,1	1,0	330	-0,5	18	-2	5700	14	-5												
						73816	152,1	153,1	1,0	29	-0,5	5	-2	229	4	-5												
						73817	153,1	154,1	1,0	184	-0,5	6	-2	1670	9	-5												
						73818	154,1	155,1	1,0	54	-0,5	6	-2	860	4	-5												
						73819	155,1	156,1	1,0	184	-0,5	8	-2	2770	4	-5												
						73820	156,1	157,1	1,0	10	-0,5	5	5	114	5	-5												
						73821	157,1	158,1	1,0	158	-0,5	16	-2	870	10	-5												
						73822	158,1	159,1	1,0	13	-0,5	9	-2	137	6	-5												
						73823	159,1	160,0	0,9	33	-0,5	33	-2	198	62	-5												
160,0	161,5	S3(M4),PG,BO,QZ,(MV)		S3	No SF, upper contact at 60°TCA	73824	160,0	161,0	1,0	25	-0,5	69	18	221	24	-5												
						73825	161,0	161,5	0,5	134	-0,5	75	30	1270	41	-5												

from	to	Lith 1	Texture	Lith 2	Comments	No.	from	to	length	Au30	Ag	Zn	Pb	As	Cu	Sb	Co	Cu	Ni	Pt	Pd	S	Al2O3	Fe2O3	MgO	Cr2O3	CaO
161,5	162,7	S9B,MG,QZ,AM,(GR)	Laminated	S9B	Looks like that in the 151,1-160,0 m interval, possibly rare chlorite, AS clusters (<1%), PO (1%), regular bedding (< 1 cm), mm fractures displacing beds over few cm	73826	161,5	162,7	1,2	147	-0,5	15	-2	981	17	-5											
162,7	163,5	M4(S3),PG,QZ,BO	Foliated, GM	S3	Idem to S3 but with coarser grains and mineral segregation, highly folded with circular structures (at least 2 deformation phases)	73827	162,7	163,5	0,8	15	-0,5	44	29	156	1	-5											
163,5	164,8	S9B,MG,QZ,AM,(GR)	Laminated	S9B (\$)	Regular bedding (mm to cm), highly mag, AS clusters (1%), PO, and PY in rare fractures associated with CC+	73828	163,5	164,8	1,3	524	-0,5	11	-2	1975	19	-5											
164,8	174,0	M4(S3) and V2	Foliated	S3-V2	Looks like previous M4(S3) except that foliation is not folded; QZ-PG-BO, PY (tr), leucosome-type QZ-PG veinlets (5%), alternating with metric horizons looking like intermediate volcanics (PG-QZ-AC), PY (tr) and S3(M4) horizons containing CL-(EP)	73829	164,8	165,8	1,0	-5	-0,5	44	36	29	26	-5											
					164,9-165,3 m = Massive IIG	73830	173,0	174,0	1,0	-5	-0,5	55	15	7	49	-5											
174,0		EOH		EOH																							

Virginia			Logging Book										Hole: NO-05-26														
Meterage		Lithological recording				Sampling				Analyses																	
from	to	Lith 1	Texture	Lith 2	Comments	No.	from	to	length	Au30	Ag	Zn	Pb	As	Cu	Sb	Co	Cu	Ni	Pt	Pd	S	Al2O3	Fe2O3	MgO	Cr2O3	CaO
m	m						m	m	m	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	%	%	%	%	%	%
0,0	2,7	OB		OB																							
2,7	49,7	V3B,AC,PG,BO		V3B	Very fine-grained, medium green, pale green alteration (10-15%) (CL-CX?-GR) associated to QZ-CC-(PG) veinlets; PO-PY-(CP) = 1-2%, non mag, some BO-rich cm zones	73831	3,5	4,5	1,0	8	-0,5	73	8	11	105	-5											
					40,3-42,0 m = I3B aphanitic, mag, saussuritized PG phenocrysts	73832	6,5	7,5	1,0	8	-0,5	76	-2	-5	154	-5											
					<3-4 mm, 3-5%, upper contact at 40°TCA	73833	9,0	10,0	1,0	-5	-0,5	73	-2	8	32	-5											
					42,7-43,3 m = I3B similar to previous I3B, upper contact at 35°TCA	73834	10,5	11,5	1,0	13	-0,5	71	-2	13	138	-5											
						73835	12,5	13,5	1,0	13	-0,5	76	-2	30	107	-5											
						73836	19,0	20,0	1,0	17	-0,5	69	-2	43	105	-5											
						73837	32,0	33,0	1,0	23	-0,5	96	-2	91	123	-5											
						73838	44,0	45,0	1,0	11	-0,5	100	-2	44	171	-5											
49,7	50,0	S3,QZ,PG,BO		S3	Very fine-grained, 30 cm thick horizon containing PO (2-3%) and CP (tr), semi-massive PO over 2-5 mm crosscutting Sp	73839	49,7	50,0	0,3	22	-0,5	708	3	15	298	-5											
50,0	60,8	V3B,AC,PG,(QZ)	GF	V3B	Mafic, fine (1 mm), abundant mm to cm mylonitic zones, pale green alteration zones with QZ-CC veinlets and PO (<1%), CP (tr)	73840	53,5	54,5	1,0	-5	-0,5	86	-2	12	137	-5											
						73841	55,5	56,5	1,0	13	-0,5	82	-2	9	123	-5											
						73842	56,5	57,5	1,0	7	-0,5	139	-2	6	128	-5											
						73843	57,5	58,5	1,0	8	-0,5	86	3	8	152	-5											
60,8	71,2	I3A,AM,PG,(QZ)	Massive, GM	I3A	Mafic, greenish black elongated AM (actinolitic HB?), non mag, PO (tr) grains up to 4 mm, mylonitic zones without preferential directions, pale green alteration (CL-AC-GR) with QZ-CC veinlets, late mm PG veinlets	73844	63,5	64,5	1,0	-5	-0,5	67	-2	5	12	-5	53	134	21	-5	-1	0,18	12,91	17,19	6,27	-0,01	7,95
					63,7-64,1 m = post-foliation QZ vein, no SF	73845	65,0	66,0	1,0	-1	-0,5																
71,2	119,0	V3B		V3B	Very fine-grained, pale green alteration (10-15%) and QZ-CC veinlets, non mag except on local PO	73846	74,0	75,0	1,0	-5	-0,5	94	-2	-5	102	-5											
					82,3-83,7 m = I3B, aphanitic, weakly mag, PG and CX phenocrysts, PY clusters (<1%), upper contact at 20°TCA	73847	85,0	86,0	1,0	8	-0,5	90	-2	31	150	-5											
					90,0-93,0 m = GR porphyroblasts (10-20%; < 3 mm) along dm bands	73848	89,0	90,0	1,0	17	-0,5	99	-2	50	185	-5											
					91,5-94,0 m = few cm thick BO-rich horizons	73849	90,0	91,0	1,0	18	-0,5	96	5	88	126	-5											
					102,7-102,8 m and 103,7-104,0 m = post foliation PG-QQ-CC veins without SF, breccia with V3 fragments	73850	96,0	97,0	1,0	6	-0,5	126	5	10	197	-5											
					109,5-111,8 m = 25-30% QZ veins without SF and late compared to the pale green alteration, the largest vein is 0,7 m thick with an upper contact at 42°TCA, late CC+ veinlets in QZ vein	73851	98,5	100,5	1,0	15	-0,5	49	4	16	49	5											
						73852	100,5	101,5	1,0	-5	-0,5	74	3	11	101	-5											
						73853	101,5	102,5	1,0	-5	-0,5	90	3	13	94	-5											
						73854	102,5	103,5	1,0	9	-0,5	218	2	37	244	-5											
						73855	103,5	104,5	1,0	9	-0,5	79	3	27	107	-5											
						73856	104,5	105,5	1,0	13	-0,5	75	2	14	162	-5											
						73857	105,5	106,5	1,0	-5	-0,5	77	4	8	129	-5											
						73858	106,5	107,5	1,0	5	-0,5	78	2	26	134	-5											
						73859	107,5	108,5	1,0	10	-0,5	72	2	30	105	-5											
						73860	108,5	109,5	1,0	9	-0,5	90	4	15	192	-5											
						73861	109,5	110,4	0,9	7	-0,5	105	6	14	232	-5											
						73862	110,4	111,1	0,7	7	-0,5	3	-2	-5	4	-5											
						73863	111,1	111,8	0,7	-5	-0,5	32	-2	-5	20	-5											
						73864	111,8	112,8	1,0	7	-0,5	83	2	15	140	-5											
						73865	115,0	116,0	1,0	-5	-0,5	57	4	6	145	-5											
119,0	132,6	V3B-I3A,PG,HB,(GR),(BO)	GM	V3B-I3A	Mafic, medium grained (2 mm), actinolitized HB, may be I3A or I2J, local BO, transitional contacts with both adjacent units, 129,0-132,5 m = 10-15% BO in the I3A	73866	120,0	121,0	1,0	6	-0,5	80	2	34	118	-5											
						73867	131,6	132,6	1,0	18	0,6	116	7	629	87	-5											
132,6	137,7	S9B	Laminated	S9B (S)	Regular bedding (50°TCA), mm to cm beds of MG (35%), QZ (55%) and green AM (10%), 1 fold at 133,1 m, a few fractures offsetting beds, PO (1-2%), PY (<1%), AS (tr), AM along beds and crosscutting laminations too, rare CC+ locally	73868	132,6	133,6	1,0	77	-0,5	81	8	851	38	-5											
					132,6-132,7 m = PO (>50%)	73869	133,6	134,6	1,0	16	-0,5	10	13	227	5	-5											
					132,7-133,1 m = PO (10-20%)	73870	134,6	135,3	0,7	32	-0,5	10	13	631	10	-5											
					135,3-136,1 m = I3B aphanitic, non mag, CX phenocrysts (10-15%; < 1 mm), upper contact at 17°TCA and lower at 15°TCA	73871	136,1	137,1	1,0	715	0,5	17	11	2200	35	5											
						73872	137,1	137,7	0,6	246	-0,5	17	8	3160	26	6											
137,7	138,7	S3,PG,BO,QZ,(MV)	GF	S3	Fine-grained (1 mm), PY (tr), GR porphyroblasts over a few cm, SM (fibrolite) porphyroblasts over 4 cm	73873	137,7	138,7	1,0	5	-0,5	63	10	24	5	-5											
138,7	141,2	I3B		I3B	Mafic, aphanitic, mag, saussuritized PG phenocrysts (5%), PY (1%), upper contact at 45°TCA (// to Sp in M4)																						
141,2	146,8	M4(S3),PG,BO,QZ,MV		S3	Fine-grained down to 144 m than medium-grained (2-3 mm) with mineral segregation and weak partial melting (< 1 % leucosome)																						
					141,7 m = Sp 42°TCA																						
					144,2-144,3 = M8,BO,GR																						
146,8	153,6	I1B,PG,FK,QZ,(MV),(BO)	Massive, GG	I1B	Coarse-grained (2-30 mm), pinkish, (CL), irregular upper contact cross-cutting Sp in M4(S3)																						

from	to	Lith 1	Texture	Lith 2	Comments	No.	from	to	length	Au30	Ag	Zn	Pb	As	Cu	Sb	Co	Cu	Ni	Pt	Pd	S	Al2O3	Fe2O3	MgO	Cr2O3	CaO
163,6	169,5	M4(S3),PG,QZ,CL,(BO)	Foliated, GF-GM	S3	Non mag, tonalitic leucosomes (5-10%), PY (tr), Sp 50°TCA, chloritised BO, may be an arkosic sediment (PG-rich)	73874	165,6	166,6	1,0	1	-0,5						15	38	46	-5	1	0,13	15,1	6,15	2,83	0,02	3,09
169,5	181,6	I1B,FK,PG,QZ,(BO)	Massive, GG	I1B	Intrusive into M4(S3)																						
181,6	182,8	M4(S3),PG,QZ,BO,CL	Foliated	S3	PG-QZ leucosome (10%)																						
182,8	186,7	I3B	Massive	I3B	Irregular upper contact, lower contact at 50°TCA, saussuritized PG phenocrysts, mag																						
186,7	193,8	V3B,AM,PG	Massive, GF	V3B	Fine (1 mm), greenish and equant AM, PY (tr), non mag, only very weakly foliated, may be a fine-grained I3A	73875	191,0	192,0	1,0	-1	-0,5						16	50	62	-5	2	0,14	15,22	5,82	3,1	0,02	1,96
					192,8-193,8 m = Fault zone rich in CL, QZ veinlets, CC veinlets, no SF	73876	192,0	192,6	0,6	-5	-0,5	71	13	10	42	-5											
						73877	192,6	193,8	1,2	-5	-0,5	108	5	6	9	-5											
193,8	207,8	I3B	Massive, GM	I3B	Very mag, doleritic texture, similar to that at top of NO-05-25																						
207,8	229,9	M4(S3),PG,QZ,BO,(CL)	Foliated, GM	S3	Sp 50°TCA (216,2 m), PG>QZ, very slightly chloritized BO (30%), PY (tr), mm to cm IID-IIC injections, ~50% massive medium-grained I1B with metric thicknesses																						
					212,9-213,1 m = I3B, aphanitic, CX phenocrysts																						
229,9	231,4	I3B		I3B	Aphanitic, CX phenocrysts (?) (15%, 1 mm), very mag, possible OV phenocrysts, irregular upper contact and lower contact at 20°TCA																						
231,4	248,1	I1B	Massive, GG	I1B	Pinkish with greenish patches because of CL, CP (tr), contains up to 30% M4(S3) with metric thicknesses	73878	233,5	234,5	1,0	-5	-0,5	7	41	5	16	-5											
					241,9-242,3 m = I3B, CX phenocrysts, both contacts at shallow angle with core																						
248,1	264,0	M4(S3),QZ,PG,BO	Foliated	S3	Weak local chloritization, very rare AC, IID leucosome (<5%), 254,4-254,7 m ~ S9D,AM,QZ,(MG), PO (10%), PY (2%), bedding at 60° TCA	73879	253,4	254,4	1,0	-5	-0,5	63	22	-5	40	-5											
					End of Hole= M4(S3), BO (30-40%), dm intervals de I1B (30%), Sp 60° TCA (263,8 m)	73880	254,4	254,7	0,3	28	-0,5	47	-2	-5	88	-5											
						73881	254,7	255,7	1,0	10	0,6	83	21	5	65	-5											
264,0		EOH		EOH																							