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Virginia Mines Inc. 200-116 St-Pierre
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Virginia Mines Inc.
(Registrant)

Date: May 10, 2012

By:
Name: Noella Lessard
Title: Executive Secretary

Exhibit 1

Technical Report and Recommendations – 2011 Drilling Program – Wabamisk Property, Québec – Virginia Mines Inc. – February 2012

Prepared by: David Vachon, B.Sc., P. Geo., Services Techniques Geonordic Inc.

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ITEM 1 TITLE PAGE

Form 43-101
Technical Report

Technical Report and Recommendations
2011 Drilling Program
Wabamisk Property, Québec

VIRGINIA MINES INC.

February 2012

Prepared by:

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Services Techniques Géonordic Inc.

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ITEM 3 SUMMARY

The Wabamisk project is located on the James Bay territory, in the Eastmain River area south of Opinaca Reservoir (Figure 1), approximately 290 kilometres north of the town of Matagami in Québec. The property is accessible by the James Bay paved highway then, at kilometre marker 395, a 45 km gravel road provides access to the northern part of the Wabamisk property. The southern part of the property is accessible by helicopter or floatplane. This property consists of 935 map-designated claims for 49077.99 hectares (490.8 km^2). These claims are 100% held by Virginia Mines Inc. ("Virginia").

The Wabamisk property is located in the central part of the Superior Province, in the La Grande Subprovince, more precisely in the Lower Eastmain Archean greenstone belt. The Eastmain greenstone belt is essentially composed of komatiitic to rhyolitic volcanic rocks and two sedimentary formations. In 2005, Virginia began a reconnaissance exploration program on the property. The geological works performed since then have led to the discovery of many gold and/or base metals showings in various lithological units. In summer 2007, the significant discovery of the Isabelle showing, **6.48 g/t Au / 3.0 m** and **4.20 g/t Au / 13.61 m** in channel samples, generated a new target area for gold exploration. In the fall of 2007, induced polarization (IP) surveys were conducted in the vicinity of the showing.

In the spring of 2008, two (2) drill holes tested the Isabelle showing and its possible southwest extensions. Hole WB-08-001 intersected the Isabelle showing at 35 metres depth and it returned **1.33 g/t Au / 19.0 m,** including **4.92 g/t Au / 3.0 m.** The 2009 exploration campaign led to the extension, by mechanical stripping, of the Isabelle showing. Channel samples returned several high-grade gold values (**22.97 g/t Au over 2 m, 17.86 g/t Au over 3 m** and **11.03 g/t Au over 3 m**) and one bonanza grade sample assayed **316 g/t Au over 1 m.**

Detailed mapping revealed the shear-hosted nature of the gold mineralization, the early timing of the gold mineralization and the identification of (at least) 3 phases of deformation.

Thirty (30) drill holes totalling 4214 m were drilled on the Isabelle showing and surrounding areas in 2010. Significant results include **2.02 g/t Au over 7 m, 2.75 g/t Au over 10 m** and **37.46 g/t Au over 5 m.**

Field exploration carried out by Virginia in 2010 uncovered several gold showings including **359.6 g/t Au** and **15.6 g/t Au** in grab sample. These new showings lies in the NE part of the property. Mechanical stripping on the Isabelle zone outcrop was extended to the north. The extension of the Isabelle shear was exposed and channel sampled. Significant results include **25.5 g/t Au over 1 m, 9.12 g/t Au over 1 m** and **2.88 g/t Au over 2 m.**

During winter of 2011, a six (6) drill holes campaign, totalling 1272 metres, was conducted on the Isabelle zone and surrounding area. The objective of the campaign was to test gold mineralization on the Isabelle zone at depth and along the south extension strike and to test regional induced polarization targets to the north. The Isabelle zone consists of shear hosted quartz veins in graywackes and feldspar-porphyry dykes. The gold-bearing quartz veins and veinlets are emplaced in feldspar-biotite graywakes and in feldspar-porphyry dykes and preferentially at the contact between these two units.

Three (3) holes were collared on the Anatacau Lake ice pad thickened during January and February 2011. These holes were drilled in order to test the extension of the Isabelle zone at depth and the possible extension at south. Holes WB-11-33 and WB-11-34 encountered favorable lithologies i.e.: wackes and feldspar-porphyry dykes, with few quartz veins and veinlets in sheared rock. Both holes also intersected atypical shear zones with quartz veinlets, bleaching and PO (CP) mineralization at about 120 and 130 m under the surface, but no significant gold values were obtained from these zones. We interpret these to be the vertical continuity of the Isabelle zone, dipping at approximately 65° to 70° towards the east, and to be weakly developped at such a depth. Significant results from the 2011 drilling campaign include **15.03 g/t Au over 1.0 m** in hole WB-11-33. This gold intercept is hosted in wackes containing garnet alteration and some quartz veinlets, typical from the Isabelle zone hangingwall.

Hole WB-11-35, testing the south extension strike, encountered mostly basalts and feldspar-porphyry intrusions. The sedimentary package (wackes) was only intersected over 5 metres. No quartz veins zone was observed either in the sediments, the feldspar-porphyry intrusions or in the basalts. This suggests that the sedimentary package, hosting the Isabelle zone, is no longer open to the south and should have been faulted as seen to the north. No significants gold values were obtained in hole WB-11-35.

Three (3) holes targeted regional geophysical targets in the area surrounding the Isabelle showing. Hole WB-11-36 targeted a moderately strong but little extensive IP anomaly located 1 km northwest of the Isabelle showing. This hole intersected only metasediments with little alteration, no mineralization and no feldspar-porphyry dykes or shear zones. The sediments (metawackes) appeared to be very similar to those from the Isabelle zone. No significant gold values were obtained from this hole and only anomalous gold value of **0.51 g/t Au over 1 m** was intersected from 21 to 22 m.

Holes WB-11-37 and WB-11-38 are both located 1.5 km north of the Isabelle showing. Both holes targeted strong and weak IP anomalies. These holes encountered metabasalts, feldspar-porphyry dykes and meta-graywackes. Holes intersected some strongly foliated passages and shear zones with sericite, few quartz veins and few sulphides, but none of them look similar to the Isabelle zone. No significant gold values were encountered in both holes.

Drilling have revealed that the Isabelle gold zone is closed towards the north and the south and that the vertical extension of the shear zone was weakly developped and almost bare of gold mineralization at depth. Therefore, for now, no more drilling is recommended to test its vertical continuity. However, the hangingwall of the zone did reveal to contain mineralization with interesting gold value (**15.03 g/t Au / 1.0 m**) in hole WB-11-33. This gold intercept is hosted in wackes containing garnet alteration and some quartz veinlets with visible gold. It is therefore probable that the Isabelle hangingwall is the host to more gold bearing quartz veins.

Follow-up drilling of the Isabelle hangingwall zone is recommended to investigate the lateral and depth extensions. As the mineralized zone is closed to the border between the Wabamisk and Anatacau properties, future drilling program should be planned conjointly on the two projects. The new drill holes will need to be collared on Anatacau Lake.

The area to the north and west of the Isabelle zone remains prospective for shear hosted gold mineralization but exploration efforts are hampered by lack of rock outcrops. The area is swampy and therefore till sampling is impossible. Subsequent work in the area should include mechanical stripping or diamond drilling to test other IP anomalies that remain unexplained. Future field work should also consider the results of the summer 2011 soil sampling survey (SGH and *Aqua Regia* analysis) to define other targets of interest in the Isabelle area.

ITEM 4 INTRODUCTION AND TERMS OF REFERENCE

This report is prepared for Virginia Mines Inc. and it describes the 2011 drilling campaign on the Wabamisk property, Lower Eastmain River greenstone belt in the James Bay region of Québec.

The purpose of the report is to present the status of current geological information generated from Virginia's 2011 exploration program on the Wabamisk property and to provide recommendations for future work.

The technical data relating to exploration on the property is provided by Virginia Mines Inc's database or from the governmental "sigeom" database which is public information accessible from the *Ministère des Ressources naturelles et de la Faune* website.

This report provides technical geological data relevant to Virginia Mines Inc.'s Wabamisk property in Québec and has been prepared in accordance with Form 43-101F1, Technical Report format outlined under NI 43-101.

Author Jean-François Ouellette, Bachelor in Geology, is President of Services Techniques Géonordic Inc. and the qualified person for the Wabamisk project. Mr. Ouellette has been involved in the project since 2005 and has spent several days per year on the property since that date. During the period covered by this report, Mr. Ouellette did supervise field work from the office in Rouyn-Noranda.

Co-author David Vachon, Bachelor in Geology, is a Project Geologist with Services Techniques Géonordic Inc. since 2012. He was also employed as a geologist-in-training from 2008 to 2011. He has been involved in the project since 2007 and he supervised the drilling work performed on the Wabamisk property in winter 2011. Mr. Vachon has spent a minimum of 20 days on the property for the period covered by this report.

ITEM 5 RELIANCE ON EXPERTS

This section is not applicable to this report.

ITEM 6 PROPERTY DESCRIPTION AND LOCATION

The Wabamisk project is located in the James Bay area 30 km southwest of Opinaca Reservoir. The property is 290 kilometres north of the town of Matagami and 60 km northwest of the Cree community of Nemaska in Québec, Canada (Figure 1).

Latitude:	52°00' to 52°20' North
Longitude:	76°26' to 77°00' West
NTS:	33C/02 (Anatacau Lake) and 33C/07 (Kauputauchechun Lake)
UTM zone:	18 (NAD27), 363646 E to 402039 E ; 5762436 N to 5801404 N

A block of 72 map-desiganted claims totalling 3787.83 hectares and another block of 69 map-designated claims totalling 3487.77 hectares were added to the Wabamisk property in 2011. The 69-claims block (formerly known as the Lac H property) was 100% acquired from SOQUEM Inc. and Ressources D'Arianne Inc. The Wabamisk property now totals 935 map-designated claims for 49077.99 hectares (490.8 km^2).

The obligations that must be met to retain the property and the expiration date of the claims are listed in Appendix 1: Claims list.

These claims are 100% held by Virginia Mines Inc. The property is not subject to any other royalties, back-in rights or other encumbrances and there are no known environmental liabilities.

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

The property is located 60 km northwest of the Cree community of Nemaska (Figure 1). It lies about 30 km east of the James Bay Highway. Two (2) high-voltage (735 kV) power lines run along the eastern edge of the property and a low-voltage (69 kV) power line traverses the property, south of the Eastmain River, with an E-W trend.

The property is accessible by road on its northern part and by helicopter for the southern part. Camp access is made by the paved James Bay Highway to kilometre 395, then along 45 km of all-weather gravel roads. Since the fall of 2007, an ATV trail leads to the central part of the project (northeast part of Anatacau Lake) and also to the Isabelle showing on the southwest shore of Anatacau Lake. Hydro Quebec's Opinaca airport lies on the property, 2 km southwest of the exploration camp.

Topographic relief on the property is typical for the James Bay area of northwestern Québec. It is characterized by gentle relief with rolling hills, abundant lakes, rivers, streams, swamps and sparse to medium density conifer forests. Altitudes range between 190 and 310 metres above sea level. The drainage pattern is marked by the presence of numerous lakes on the property, including Anatacau Lake in the central part. Numerous bogs and fens occur in the southern half of the property. Water drains north, towards the Eastmain River.

The ground is snow covered from mid-October to mid-May preventing all fieldwork with the exception of drilling and geophysical survey.

ITEM 8 HISTORY

The first geological reconnaissance work in the Eastmain River area was performed by the Geological Survey of Canada (Low, 1897). The first mineral exploration programs in this area took place in 1935 and 1936, by Dome Mines Ltd (McCrea, 1936), who conducted geological reconnaissance and prospecting work. A few trenches and drill holes were done at the time on two gold showings (Dome A and K) along the shores of the Eastmain River, about 70 km east of the Wabamisk and Anatacau property. Shaw (1942) was among the first to take an interest in the geology of the Eastmain River greenstone belt. Eade (1966) followed suit, with systematic regional mapping at a scale of 1:1,000,000. Later on, a geological survey was conducted by the *Ministère des Richesses naturelles du Québec* in the early 1960s (Eakins *et al.*, 1968), covering all of map sheet 33B/04, the west part of map sheet 33B/03, and the east part of map sheet 33C/01. Franconi (1978) mapped the Lower Eastmain volcano-sedimentary belt at a scale of 1:100,000. This work covers the Wabamisk and Anatacau property.

In the 1970s and up to 1981, the *Société de développement de la Baie-James* (SDBJ) had the exclusive mandate to develop the mineral potential of the James Bay region (Vallières, 1988). The Government gave the SDBJ the exclusive right to hold mining titles in this territory, in order to ensure better coordination of exploration work prior to the flooding of hydroelectric reservoirs. A regional lake-bottom sediment survey was conducted by the SDBJ in the mid-1970s. In the mid-1980s, the Government of Québec suspended the SDBJ's monopolistic advantage and the land once again became accessible to prospectors and private companies.

After land access was opened up in the James Bay territory, very little exploration work was conducted on the area of properties. The region was however thoroughly covered by various regional mapping surveys conducted by the *Ministère des Ressources naturelles du Québec* (MRNQ). The most recent mapping survey was conducted in 1999 by Moukhsil (2000). Virginia Gold Mines Inc. conducted reconnaissance work in 1996 on the Anatacau property. The company discovered a gold showing grading 1.63 g/t Au, located 2 km east of Anatacau Lake. The surface sample was taken from a quartz vein with 10% pyrite-arsenopyrite, hosted in a shear zone.

In 2005, IAMGOLD-Québec Management Inc. Conducted prospecting work and mandated consulting firms to perform several types of work on the Anatacau project (Caron, 2006). MIR Télédétection conducted a study of topographic data and Landsat remote sensing data in order to identify lineaments and trace alteration signals. A helicopter-borne magnetic and electromagnetic (AeroTEM II) survey was conducted by Aeroquest Ltd. A lake-bottom sediment sampling program and a till sampling survey were also conducted on the property. During the summer of 2006, IAMGOLD conducted further exploration work on the Anatacau project. A prospecting and geological sampling program, Beep-Mat traverses and till sampling were carried out (Caron, 2007). Their work yielded grades of 0.19 to 3.01 g/t Au in silicified and deformed basalt or gabbro. Also ankeritised basalt associated with geophysical anomaly graded 6.13% Zn.

Also in 2006, exploration work began by Arianne Resources Inc., in an area east of the property. Their work yielded grades of 1.0 to 20.0 g/t Au over thicknesses ranging from 0.5 to 3.0 m in drill hole, near the Contact showing. A summary of significant mineral occurrences discovered in the general area of the Wabamisk property is provided in Table 1.

On the Wabamisk property, Virginia Mines Inc. conducted a first geological reconnaissance program in summer 2005 (Frapier-Rivard, D. and Ouellette, J-F., 2005). This first phase consisted of geological mapping and rock sampling. A total of 631 outcrops were described and 685 samples were collected and analyzed for gold and base metals. Several grab samples yielded more than 1.00 g/t Au up to 4.05 g/t Au. During 2006, Virginia Mines Inc. conducted further exploration on the Wabamisk project (Cayer, A., Ouellette, J.F., 2007). An airborne magnetic (997 km) and radiometric (K, U, Th, 550 km) surveys were conducted. In the summer, a new geological reconnaissance program (897 samples), geochemical survey (1480 samples) and ground follow-up work were done on most promising sectors. Results were very encouraging with 19 samples returning more than 1.0 g/t Au (up to 6.27 g/t Au), 10 samples more than 8.0 g/t Ag (up to 52.6 g/t Ag) and 33 samples assayed more than 0.1% Cu (up to 1.36% Cu / 1.0 m). All these showings are located in the northern part of the Wabamisk property.

In 2007 field crews from Virginia uncovered the Isabelle showing on the Wabamisk property (grab sample: **2.61 g/t Au**). The latter is located 100 metres from the western limit of the Anatacau property in the Wabamisk property. While at about the same time another field crew from Virginia uncovered the Franto showing (grab sample: **8.23 g/t Au**) which lies in the center of the Anatacau property. Subsequently, a second field program targeted the two showings, to perform mechanical trenching and channel sampling. Results were very encouraging. The Franto showing yielded grades of **4.82 g/t Au / 4.0 m** (TR-AN-07-001) and the Isabelle showing graded **6.48 g/t Au / 3.0 m** and **4.20 g/t Au / 13.61 m** (TR-WB-07-001 and 002). In the late fall of 2007, ground-based induced polarization and magnetic surveys were conducted on the Franto (IP = 54 km; Mag = 64 km) and Isabelle (IP = 46 km; Mag = 54 km) grids (Tshimbalanga, 2008a, 2008b). Nearly 12 km of the geophysical survey on the Isabelle grid fall within the Anatacau property limits.

In the spring of 2008, two (2) drill holes totalling 240 metres tested the Isabelle showing and its possible southwest extensions. Drill hole WB-08-001 intersected the Isabelle showing at 35 metres depth and it returned **1.33 g/t Au / 19.0 m,** including **4.92 g/t Au / 3.0 m.** It showed the same lithological unit (altered graywacke) and mineralization as observed at the surface. The second drill hole (WB-08-002) was done 180 m southwest of the first one. The target was an IP anomaly possibly corresponding to the extension of the showing. The IP anomaly is explained but the drill hole had not intersected the expected graywacke unit hosting the Isabelle showing. The lithological characteristics of the drill hole suggest that it has overshot the contact between sedimentary rocks and basalts. In conclusion for the 2008 drilling campaign, only one of the two drill holes has investigated the Isabelle showing and intersected gold mineralization (Cayer and Oswald, 2009). The extensions of the showing are open in both direction and at depth. Drill holes targeting the lithological contact between wacke and basalt have to be planned for a future drilling campaign.

Fieldwork was conducted on the Wabamisk property in the summer of 2008, to investigate IP anomalies defined in the 2007 survey and to perform reconnaissance work in off-grid areas with anomalous outcrops and till values. As a result, two (2) anomalous areas were defined on the Isabelle grid, and one off-grid. Target areas on the Isabelle grid are characterized by the presence of anomalous outcrops coinciding with proximal IP anomalies. Outcrops graded up to 4.2 g/t Ag and 0.81% Cu. One sample with 179 ppb Au is located in a wacke, 250 metres west of the Isabelle showing. It has many similar characteristics to the showing and may represent a new target for gold mineralization. In off-grid areas, the center of the property, near OA-11 dyke, is characterized by outcrops grading up to **2.95 g/t Au** and **0.79 g/t Au / 1 m**, in sedimentary rocks.

The 2009 exploration campaign led to the extension, by mechanical stripping, of the Isabelle showing to a surface of 65 m by approximately 40 m. Channel samples returned several high-grade gold values (**22.97 g/t Au over 2 m, 17.86 g/t Au over 3 m** and **11.03 g/t Au over 3 m)** and one bonanza grade sample assayed **316 g/t Au over 1 m**. Detailed mapping revealed the shear-hosted nature of the gold mineralization, the early timing of the gold mineralization and the identification of 3 phases of deformation (Poitras, 2010).

In 2010 the Isabelle grid was enlarged 3.4 km towards the SW and 2.4km towards the NW. A 138 km ground magnetic survey and a 108 km induced polarization were completed.

Thirty (30) drill holes totalling 4214 m were drilled on the Isabelle showing and surrounding areas in 2010. Significant results include **2.02 g/t Au over 7 m** in hole WB-10-03, **2.75 g/t Au over 10 m** in hole WB-10-04 and **37.46 g/t Au over 5 m** in hole WB-10-12 (Poitras, 2011).

Field exploration carried out by Virginia in 2010 uncovered several gold showings including **359.6 g/t Au** in grab sample #224194 and **15.6 g/t Au** in grab sample #220865. These new showings lies in the NE part of the property. The entire enlarged Isabelle grid was prospected thoroughly with Beep-Mat, but field work did not uncover new gold showing. Mechanical stripping on the Isabelle showing outcrop was extended a further 25 metres towards the north. The extension of the Isabelle shear was exposed and channel sampled. Significant results include **25.5 g/t Au over 1 m, 9.12 g/t Au over 1 m** and **2.88 g/t Au over 2 m** (Poitras, 2011).

Fifty-two (52) tills were collected on the Wabamisk property in 2010. All till samples were analyzed for gold-grain counts, ICP 31 element analysis on heavy mineral concentrates and 13 till samples were also analyzed for kimberlite indicator minerals. No significant results were obtained.

Table 1: Summary of mineral showings discovered in the Wabamisk property area.

Showing	NTS	Position	Company and date	Mineralization	Best results
Anatacau (Au)	33C/02	2.5 km South of Wabamisk	Virginia Gold Mines Inc. (1996)	Quartz veins + 10% AS-PY in a deformed felsic tuff	Grab sample: **1.56 g/t Au**
Franto (Au)	33C/02	6.5 km South of Wabamisk	Virginia Mines Inc. (2007)	Deformed basalt + Quartz veins +QFP & mafic dykes+20% PY>PO, AS<50%, visible gold, CC+, TL, CL+.	Grab sample : **8.23 g/t Au** Channel : **4.82 g/t Au / 4.0 m; 1.24 g/t Au / 4.0 m and 9.19 g/t Au / 1.0m** Drill hole : NSV

Contact Zone (Au±Zn± As±Cu)	33C/01	0.5 km East of Wabamisk	Carat Exploration Inc. Virginia Gold Mines Inc. (1996) Arianne Resources Inc. (2006)	Quartz-tourmaline veins + PY and visible gold	Grab sample: **43.75 g/t Au** Channel: **1.1 g/t Au / 8.0 m** Drill hole: **4.7 g/t Au / 3.1 m**
Chino Zone (Au±Ag)	33C/01	1.5 km East of Wabamisk	Carat Exploration Inc. Virginia Gold Mines Inc. (1996) Arianne Resources Inc. (2006)	Strong silicification + Quartz-tourmaline veins + 10% AS, 1-5% PY-PO	Channel: **4.9 g/t Au / 3.0 m; 5.81 g/t Au / 9.0 m; 7.94 g/t Au / 4.0 m** Drill hole: **15.58 g/t Au / 5.4 m**
Lac Renard (Au±As)	33C/01	0.5 km East of Wabamisk	Virginia Gold Mines Inc. (1997)	Deformed basalt + quartz veins + 2-4% AS ± CP ± PY	Grab sample: **3.81 g/t Au and >10 % As 6.38 g/t Au and 2.67 g/t Au**
Showing	**NTS**	**Position**	**Company and date**	**Mineralization**	**Best results**
Cyr Zone (Au±Zn± Pb±Ag)	33C/02	Within the NE part of Wabamisk	James Bay Mining Corp. (1964-1965) Carat Exploration Inc. (1996)	Quartz veins + PY-SP-GL in deformed tonalite	Grab sample: **3.81 g/t Au, 3.7 g/t Ag, 4600 ppm Zn, 1900 ppm Pb** Drill hole: **13.5 g/t Au, 1.94% Cu / 0.7 m**
Bear Island (Cu-Au)	33C/02	1.5 km East of Wabamisk	James Bay Mining Corp. (1964) Eastmain Resources Inc. (1996)	Massive to semi-massive sulphides (PY, PO, CP, BN) in an altered tuff	Grab sample: **7.5 g/t Au, 1.6% Cu** Drill hole: **5.21% Cu / 1.1 m**
Reservoir Deposit (Au-Cu)	33C/07	4.0 km NE of Wabamisk	Eastmain Resources Inc. (1996)	PO-CP stockwerk in altered mafic lavas and FP porphyry dykes	Infered resources : **300 000 oz Au** and **13.6 kt Cu.**
QET Zone (Au-Cu-Ag)	33C/01	4.0 km NE of Wabamisk	Eastmain Resources Inc. (1997)	Breccia zone mineralized up to 50% PY-PO-MG at a contact with a granite	Channel: **1.05 g/t Au** and **0.21% Cu / 2.0 m**
				Mineralized contact (PY-PO-CP) between a basalt and a felsic intrusive	Channel: **8.02 g/t Au / 2.0 m; 1.8 g/t Ag** and **9600 ppm Cu / 1.0 m**

ITEM 9 GEOLOGICAL SETTING

9.1. Regional Geology

The Wabamisk project is located in the James Bay region, which lies in the central Superior Province comprising four (4) geological sub provinces. These are, from north to south, the La Grande, Opinaca, Nemiscau, and Opatica sub provinces. These sub provinces are essentially composed of volcanic, plutonic, and sedimentary rocks that were subsequently intruded by post- or late-tectonic granitic intrusions. The Wabamisk property is underlain by rocks of the Archean La Grande Sub province (Figure 3).

The La Grande Sub province is primarily composed of volcanic and plutonic rocks (Card and Ciesieski, 1986). It wraps around the Opinaca Sub province to the west, forming a large crescent. However, contacts with the Nemiscau and Opinaca sub provinces are transitional, grading from dominantly volcano-sedimentary rocks to paragneisses. No ductile faults are reported along the contact zone. The La Grande Sub province comprises about 85% syn- to late-tectonic plutonic rocks and two (2) greenstone belts, namely: (1) the La Grande greenstone belt (LGGSB), and (2) the Middle and Lower Eastmain greenstone belt (MLEGSB). The Wabamisk property covers the west part of the Lower Eastmain greenstone belt.

The MLEGSB extends along an east-west axis for about 300 km lateral distance by 10 to 70 km wide and is bounded to the south by a major unconformity. It is composed of volcanic and sedimentary rocks that formed in an oceanic setting with mid-oceanic ridges, oceanic plateaus and volcanic arcs. These rocks were intruded by calc-alkaline rocks ranging in composition from gabbros to monzogranites.

The MLEGSB is characterized by volcanic rocks of the Eastmain Group, which is subdivided into 4 volcanic cycles and 5 formations (Boily and Moukhsil, 2003). The Kauputauch Formation forms the first volcanic cycle (2752-2739 Ma) and is composed of massive to pillowed flows of tholeiitic metabasalts and andesitic basalts, and felsic flows overlain by a sequence of felsic to mafic tuffs.

The second volcanic cycle (2739-2720 Ma) comprises the Natel Formation. It is composed of komatiites, komatiitic basalts, and massive to pillowed tholeiitic basalts and andesite.

The Anatacau-Pivert Formation, occurring in the study area, forms the third volcanic cycle (2720-2705 Ma) and is composed of metabasalts, amphibolitized andesite, rhyolite and tuffs. The entire assemblage is overlain by sedimentary rocks (siltslates, mudslates, wackes and conglomerates). Volcanic activity in this cycle is accompanied by moderate, mainly syntectonic plutonism.

The Komo and Kasak formations, which represent the fourth and last volcanic cycle (<2705 Ma), mainly consist of massive or pillowed basalts, komatiitic basalts and minor andesite. These rocks are amphibolitized and have a tholeiitic affinity. Minor units of felsic ash tuff are interdigitated in this formation. Calc-alkaline felsic lapilli tuffs also alternate with minor amounts of mafic tuff (Mouksil and Doucet, 1999). Two periods of sedimentation overlie these volcanic cycles, accompanied by various episodes of plutonic magmatism. At the base, the Wabamisk Formation (>2705 Ma) is composed of volcaniclastic layers, with andesitic lapilli tuffs and beds of crystal tuff, polygenic blocky tuff, mafic to felsic blocky tuff, ash tuff and crystal tuff. The formation is capped by a unit of polygenic conglomerate dominated by tonalitic pebbles and another unit of polygenic to monogenic conglomerate with diorite and granodiorite pebbles, interbedded with sandstone beds, tuff layers and iron formations.

Next comes the dominantly metasedimentary Auclair Formation (<2648 ±50 Ma), comprising wackes, polygenic conglomerates, and oxide-, silicate-, and sulphide-facies iron formations. It is interpreted as the weakly metamorphosed equivalent of metatexites of the Laguiche Basin in the Opinaca Sub province.

Tonalitic to granodioritic plutons are grouped into three categories, *i.e.* synvolcanic, syntectonic, or post- to late-tectonic plutonism. Gabbro dykes crosscut all of the above.

Previous work conducted in the LMEGSB has outlined three (3) phases of deformation. The first (D1) is characterized by an E-W-trending schistosity, ranging in age from 2710 to 2697 Ma. The second phase of deformation (D2) is marked by a NE-SW-trending schistosity, broadly N-S in many locations, the age of which is estimated between 2668 and 2706 Ma. The third phase of deformation (D3) affects syn- to post-tectonic intrusions is less penetrative and thus not as obvious on a regional scale; it is mostly visible in metasedimentary rocks, in the form of a WNW-ESE to NW-SE-trending schistosity. This last deformation event is dated at <2688 Ma, which corresponds to the age of metamorphism. Given the age of the Nemiscau Sub province (<2697 Ma), it is unlikely to bear traces of the first phase of deformation (D1) recognized in the MLEGSB.

The regional metamorphic grade observed in volcanic and sedimentary rocks of the Wabamisk property is generally the upper amphibolite facies and locally the greenschist facies.

9.2. Local Geology

Mapping conducted from 2006 to 2010 greatly improved our understanding of the various mineral occurrences observed on the Wabamisk project. New outcrops led us to pinpoint the location of certain contacts, while generally preserving the geological framework proposed by recent MRNQ mapping.

From the south part of the project northward, the core of the Aupiskach tonalitic intrusive was not mapped; only its granodioritic rim was investigated along the contact with the Anatacau-Pivert Formation. In the northeast part, a few outcrops of mafic lavas are still observed less than 100 metres from the internal edge of the intrusive.

In mafic units of the Anatacau-Pivert Formation, mapping and trenching enabled us to trace the following units: abundant mafic lavas and gabbro, with various amounts of felsic lavas, followed by iron formations and wackes. Detailed mapping of trenches revealed the presence of other units such as lapilli tuffs, arenites, mudrocks, exhalites, ultramafic intrusives, and numerous QFP dykes. These are all minor units compared to the mafic lavas.

The felsic lava unit overlying mafic lavas of the Anatacau Formation also contains a few sedimentary units of wacke and iron formation.

The sedimentary Auclair Formation consists of paragneisses and weakly metamorphosed sedimentary rocks (arenite, wacke, iron formation). Rare outcrops of mafic and felsic lavas were mapped, as well as gabbro and diabase dykes. The Kapiwak pluton was observed in rocks of the Auclair Formation in the western part of the property. Our mapping generally stops when arriving to the pluton.

The Wabamisk Formation is at the north contact with the Auclair Formation. This formation is characterised by mafic lavas, intermediate to felsic tuff and sedimentary package from conglomerate to arkose. New outcrops from our mapping of previous campaign have modified some lithological contact from the MRNQ mapping and sedimentary unit are probably more important than previously reported. The metamorphic grade of the formation is generally mid- to upper-amphibolite but locally upper greenschist facies.

The Kawachusi pluton is present at the north contact of the Wabamisk formation and it marks the north limit of the property.

ITEM 10 DEPOSIT TYPES

Orogenic lode-gold deposits are the primary deposit type being investigated. Although these deposits can occur in any lithology, particular attention is paid to sedimentary rocks given that both the Éléonore deposit and the Isabelle zone occur in graywackes. The primary exploration targets are fault zones and theses are targeted using lineaments analysis on regional magnetic surveys, topographic maps and satellite images. Other targets include bends in regional foliation, lithological contacts, borders of intrusions, metamorphic gradients and contacts between sub-provinces.

Cu-Au porphyry deposits are a secondary deposit type being investigated on the Wabamisk property. Several Cu-Au ± Ag veins have been identified in the northern and central portions of the property which are spatially related to feldspar-porphyry dykes and or intrusions. No clear genetic relation has been established between mineralization and intrusive bodies. Exploration targeting for this type of deposit involves the identification of potassic alteration and major fault zones. For both deposit types our exploration is heavily dependent on foot traverses, grab and boulder sampling and outcrop descriptions. Once a gold showing has been identified exploration then proceeds to mechanical striping, channel sampling, detailed mapping and, eventually, drilling.

ITEM 11 MINERALIZATION

Several different types of mineral occurrences are reported in the MLEGSB (Moukhsil and *al.*, 2002; Gauthier and Laroque, 1998). They may be classified according to their genetic model and age of emplacement as follows: 1) synvolcanic mineralization (2710-2752 Ma), 2) syntectonic mineralization (2697-2710 Ma), and 3) post-tectonic mineralization (~2687 Ma).

Synvolcanic occurrences represent nearly 50% of known showings in the MLEGSB; these include sulphide-facies iron formations (Fe, Cu, Au, Ag), volcanogenic occurrences (Cu, Zn, Ag, Au), and magmatic occurrences, namely porphyry/mantos-type (Cu, Au, Ag, Mo) and epithermal (Au, Ag, Cu, Zn, Pb).

Syntectonic occurrences represent slightly more than 40% of known showings and include orogenic deposits related to phases of deformation D1 and D2 (Au, As, Sb). This category also includes gold deposits associated with oxide- or silicate-facies iron formations (Au, As). Finally, post-tectonic occurrences are scarce and correspond to lithium- or molybdenum-enriched pegmatite.

Mineralization is widespread on the Wabamisk property. Pyrite and pyrrhotite are the most common sulphide phases, followed by arsenopyrite, locally occurring in significant concentrations. Chalcopyrite and bornite were observed in a few locations. Sulphides occur in all mapped units, whether sedimentary, volcanic, or intrusive in origin. Sulphides generally occur as disseminations and occasionally as thin mm-scale to cm-scale veins and veinlets.

In iron formations, pyrrhotite is the dominant sulphide phase (<25%) followed by pyrite. Mafic lavas contain more pyrite than pyrrhotite. Disseminated arsenopyrite (<10%) occurs mostly in metasediments, in the north-central part of the property. Very high arsenopyrite contents are occasionally observed in mafic lavas and tuffs, associated with QFP dykes and quartz-tourmaline veins. Most gold anomalies are associated with mafic lavas or metasediments cross-cut by quartz veins and veinlets.

The Isabelle zone is the most significant mineralization discovered by Virginia Mines since acquiring the Wabamisk claims. The showing consists of a series of parallel, steeply dipping, N-S striking laminated fault-fill quartz veins in a fine to coarse-grained graywacke. The gold-bearing veins are contained in an envelope that is 10-20 m thick and has been exposed at surface over a strike length of 80 m (Poitras, 2010).

Very little sulphide mineralization (<1% pyrrhotite, pyrite and chalcopyrite) is associated with gold mineralization and visible gold is commonly observed. The graywacke is cross-cut by syn-deformation and syn-mineralization feldspar-porphyry dykes (up to 4 m thick). Some of the best gold grades occur in quartz veins cross cutting the feldspar-porphyry. The mineralized sedimentary rock is in faulted contact with metabasalts to the west and an intrusive contact with an undeformed granodiorite-tonalite pluton to the East. Down-dip mineral lineations observed on the walls of the gold-bearing veins indicate emplacement in a reverse fault dynamic. This faulting event has also created folds with horizontal fold hinges. The veins have subsequently been folded to create tight folds with vertical fold hinges. These two orthogonal deformation events created distinct, circular interference patterns in the fine-grained sedimentary rocks (Poitras, 2010). Moderate to weak biotite alteration is observed in the wall rock adjacent to the gold bearing quartz veins and weak to moderate garnet alteration is observed in the hangingwall of the steeply East-dipping zone.

ITEM 12 EXPLORATION

The 2011 winter exploration campaign included a six (6) hole, 1272 m, drilling campaign. The drilling campaign will be described in Section 13.

ITEM 13 DRILLING

A six (6) hole, 1272 m drilling campaign was conducted on the Isabelle zone and surrounding area. Drilling was performed by Forages G4 of Val-d'Or, Québec and supervised by Services Techniques Géonordic of Rouyn-Noranda in March and April of 2011. All holes have an NQ core diametre.

The objective of the campaign was to test gold mineralization on the Isabelle zone at depth and along the south extension strike and to test regional induced polarization targets. A list of drill holes locations and gold intercepts are available in Table 2.

The Isabelle zone consists of shear hosted quartz veins in graywackes and feldspar-porphyry dykes. The sedimentary package in the area strikes north to northeast and dips 65-70 degrees to the East. It is approximately 100 m thick in an East-West direction. The western, sheared, contact of the sediments is with foliated metabasalts while the eastern contact is intrusive against undeformed tonalite. Towards the north the sedimentary package is faulted against metabasalts. The feldspar-porphyry dykes crosscut the metabasalts and the sediments but are not found in the tonalite. The gold-bearing quartz veins and veinlets are emplaced in feldspar-biotite graywakes and in feldspar-porphyry dykes and preferentially at the contact between these two units. The veins occur along or parallel to faults (highly schistose rock) and the veins often contain fragments of host rock (septum). Sulphide mineralization in the gold-bearing zones consists of 1-3% pyrrhotite and trace amounts of pyrite and chalcopyrite. Alteration minerals in the wall rock are 10-25% biotite (sometimes altered to chlorite) and feldspar (plagioclase and microcline) whereas the quartz veins contain up to 30% plagioclase and accessory muscovite (<2%) and biotite (<2%).

Drill holes were oriented to traverse the veins perpendicular to their strike and dip, therefore holes with dips of -50° are near perpendicular to the gold zone and gold intercepts represent true widths. The drills were backed away from the surface showing and from the holes performed in 2010, onto the ice of Anatacau Lake, in order to continue testing the zone at depth. Due to the warm temperature during the winter of 2010, the ice on Anatacau Lake was never thickened enough to bear the weight of the drill and auxiliary equipment, so the Isabelle zone was not tested at a great depth. During winter 2011, much colder conditions permited us to get a large ice pad (200 x 300 m) on Anatacau Lake, in order to test the gold bearing zone at depth and to the South (see Map 1).

Three (3) holes were collared on the Anatacau Lake ice pad thickened during January and February 2011. These holes were drilled towards an azimuth of 290° with a dip of -50° in order to test the extension of the Isabelle zone at depth and the possible extension at south. Towards the north, the sedimentary package is faulted against metabasalts. The last holes to encounter favourable lithology, alterations and mineralization towards the north, were holes WB-10-07 and WB-10-25, while the last hole to intercept the sedimentary package was WB-10-09, all of them drilled during the 2010 campaign. Towards the south, the last holes to encounter favourable lithology, alterations and mineralization were WB-10-11 and WB-10-12, while the last hole to intercept the sedimentary package was WB-10-28 which was collared about 70 metres south of WB-10-11 and WB-10-12. In reference to these holes, the sedimentary package is, at least, 250 metres long and the gold mineralized shear hosted quartz veins has an N-NNE general trend intercepted over a distance of about 200 metres. Gold mineralization within these veins is very erratic. This is probably due to the nugget effect of free gold in the shear zone. All of the gold intercepts from 2010 contained visible gold.

Hole WB-11-33 was collared on Anatacau Lake 140 metres behind hole WB-10-06 in order to test the north of the Isabelle zone at depth of 130 metres (see Section S0250N). This hole encountered favorable lithologies i.e.: wackes and feldspar-porphyry dykes, with few quartz veins and veinlets in sheared rock. Gold mineralization was intersected at a depth of 77 m **(15.03 g/t Au over 1.0 m (true width = 1.0 m))** in wackes containing garnet alteration and some quartz veinlets, typical from the Isabelle zone hangingwall. Visible gold has been observed in this small interval during core logging. Deeper downhole, an atypical shear zone with quartz veinlets, bleaching and PO (CP) mineralization was intersected from 150 to 160 m, but no gold values were obtained from this zone. We interpret this atypical shear zone to be the vertical continuity of the Isabelle zone, dipping at approximately 65° to 70° towards the east, and to be weakly developped at such a depth.

Hole WB-11-34 was collared about 150 metres south of WB-11-33 and 170 metres behind hole WB-10-15, in order to test the center of the Isabelle zone at a vertical depth of 120 metres (see Section S0100N). This hole also encountered favorable lithologies i.e.: wackes and feldspar-porphyry dykes, with few quartz veins and veinlets in sheared rock. An atypical shear zone with few quartz veinlets, bleaching and 1-5% PY-PO mineralization was intersected from 141 to 144 m, but no gold values were obtained from that zone. We interpret this atypical shear zone to be the vertical continuity of the Isabelle zone and to be, again, weakly developped at such a depth.

Hole WB-11-35 was drilled 93 metres SSW from WB-11-34, in order to test the south extension of the Isabelle zone. This hole was also collared about 80 metres south from the southernmost hole of the 2010 campaign (WB-10-28) which tested the south of the Isabelle zone. This hole only intersected the sedimentary package (wacke) over 5 metres and no quartz veins zone was observed neither in the sediments nor in the feldspar-porphyry intrusions. The sediment shred contained in basalt is interpreted to be the same type as the one containing the Isabelle zone. It is also probable that this thin band of sediments has been faulted with the entire Isabelle zone, so it would be the tail of the sediments package intersected in previous holes. This hole was sampled almost throughout, but no significant gold values were obtained. Anomalous gold values of 182 ppb over 5 m were intersected from 133.0 to 138.0 metres and they are associated to two (2) separeted quartz veins of about 10 cm of thickness. These veins are injected at or near the contact between the feldspar-porphyry dykes and the basalts.

Three (3) holes targeted regional geophysical targets in the area surrounding the Isabelle zone. Hole WB-11-36 (Az 310°) targeted a moderately strong but little extensive IP anomaly located 1 km northwest of the Isabelle zone. This hole intersected only metasediments with little alteration, no mineralization and no feldspar-porphyry dykes or shear. The sediments (metawackes) appeared to be very similar to those from the Isabelle zone. Actually, they could be from the same sedimentary package, but they are more homogeneous and slightly more metamorphosed. The IP anomaly has not been clearly explained in this hole and only trace amounts to 1% of pyrrhotite have been observed. We interpret the IP anomaly to be associated to these sulphides mineralization. Also, no shear zone or faults with significant alteration were described. No significant gold values were obtained from this hole and only anomalous gold value of **0.51 g/t Au over 1 m** was intersected from 21 to 22 m.

Holes WB-11-37 (Az 310°) and WB-11-38 (Az 310°) are both located 1.5 km north of the Isabelle zone. Both holes targeted strong and weak IP anomalies closely separeted from each others. These holes encountered metabasalts, feldspar-porphyry dykes and meta-graywackes (with local lenses of conglomerates). Holes intersected some strongly foliated passages and shear zones with sericite, few quartz veins and few sulphides, but none of them look similar to the Isabelle zone. The IP anomalies are explained by disseminated pyrite and pyrrhotite in faulted and altered rock. No significant gold values were encountered in both holes.

2010 field work further north of the Isabelle zone identified several E-W striking faults, which crosscut all previous structures. Although this type of fault was not identified on the Isabelle outcrop, drill holes 20 m north of the outcrop did not encounter the Isabelle host rock (graywacke) but rather basalts. It is therefore assumed that the Isabelle host rock and shear zone are faulted by a similarly oriented fault and that the continuation of the package is either to the east and maybe digested by the tonalite intrusion or else has been faulted upwards and is now eroded. In either case field observations indicate that the Isabelle zone is closed towards the north (Poitras, 2011). Towards the south, in hole WB-11-35, we did not encounter the Isabelle host rock (graywacke) but rather basalts and feldspar porphyry dykes, as seen west of the Isabelle zone in drilled holes and outcrops. It is therefore strongly suggested that the Isabelle host rock and shear zone are faulted by a similarly oriented fault (as seen at north) and that the continuation of the package is either to the east, and digested by the tonalite intrusion or else has been faulted upwards and is now eroded. In either case, field observations indicate that the Isabelle zone is now closed towards the south. Drilled holes which tested the vertical continuity of the Isabelle zone did not encounter significant gold values and intense quartz veining, as the typical Isabelle shear zone does. They certainly encountered what could be interpreted to be the vertical extension of the shear zone, although these faulted and veining zones were weakly developped and were almost bare of gold at this depth.

Table 2: Drill holes data and gold intercepts.

Hole ID	Target	Collar location (UTM Nad 27) Zone 18	Az/Dip/Length	Au Intercepts (TW=true width)
WB-11-33	Isabelle zone	379585 mE, 5772626 mN	290°/-50°/213 m	**77.0 to 78.0 m – 15.03 g/t Au / 1 m (TW = 1.0 m)**
WB-11-34	Isabelle zone	379603 mE, 5772473 mN	290°/-50°/315 m	NSV
WB-11-35	Isabelle zone	379536 mE, 5772399 mN	290°/-50°/201 m	NSV
WB-11-36	Regional IP target	378748 mE, 5773505 mN	310°/-50°/150 m	**21.0 to 22.0 m - 0.51 g/t Au / 1 m**
WB-11-37	Regional IP target	379560 mE, 5774116 mN	310°/-50°/198 m	NSV
WB-11-38	Regional IP target	379414 mE, 5774245 mN	310°/-50°/195 m	NSV

ITEM 14 SAMPLING METHOD AND APPROACH

Drill core was described and sampled at the Wabamisk base camp under the supervision of Services Techniques Géonordic. All half-split core samples are also stored at the Wabamisk camp. The entire core drilled in 2011 was split or sawed in half and sampled for gold by fire-assay at 1 m intervals. Sulphide mineralized and altered samples, suspected of containing gold mineralization, were sawed and all other sections of core were split using a hydraulic core-splitter. On rare occasions where recuperation was poor, samples contained up to 3 m of drill core.

All samples found to contain visible gold were also analysed for gold using metallic sieve assaying in order to compensate for any "nugget effect" caused by the coarse gold.

ITEM 15 SAMPLE PREPARATION, ANALYSIS AND SECURITY

Drill core samples were delivered from the worksite to the Wabamisk camp by the drilling contractor, Forages G4 and afterwards processed by Services Techniques Géonordic.

Samples of every type 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 plastic tie straps or fibreglass tape. The bags remained sealed until they were opened by Laboratoire Expert personnel in Rouyn-Noranda, Québec. Lab Expert is accredited ISO 9001:2000 by QMI Management Systems Registration.

All samples were initially stored at the Wabamisk the camp. Samples were not secured in locked facilities; this precaution deemed unnecessary due to the remote camp location. Samples were then loaded directly on a truck for transport to Rouyn-Noranda. Samples were delivered by Services Techniques Géonordic to Laboratoire Expert's sample preparation facility in Rouyn-Noranda. Upon receipt, samples were placed in numerical order and compared with the packing list to verify receipt of all samples. If the received samples did not correspond to the list, the customer was notified.

Samples are dried if necessary and then reduced to -1/4 inch with a jaw crusher. The jaw crusher is cleaned with compressed air between samples and barren material between sample batches. The sample is then reduced to 90% -10 mesh with a roll crusher. The roll crusher is cleaned between samples with a wire brush and compressed air and barren material between sample batches. The first sample of each sample batch is screened at 10 mesh to determine that 90% passes 10 mesh. Should 90% not pass, the rolls crusher is adjusted and another test is done. Screen test results are recorded in the logbook provided for this purpose. The sample is then riffled using a Jones-type riffle to approximately 300 g. Excess material is stored for the customer as a crusher reject. The 300-g portion is pulverized to 90% -200 mesh in a ring and puck type pulverizer; the pulverizer is cleaned between samples with compressed air and silica sand between batches. The first sample of each batch is screened at 200 mesh to determine that 90% passes 200 mesh. Should 90% not pass, the pulverizing time is increased and another test is done. Screen test results are recorded in the logbook provided for this purpose.

15.1. Gold Fire Assay AA Finish

A 29.166-g sample is weighted into a crucible that has been previously charged with approximately 130 g of flux. The sample is then mixed and 1 mg of silver nitrate is added. The

sample is then fused at 1800°F for approximately 45 minutes. The sample is then poured in a conical mould and allowed to cool; after cooling, the slag is broken off and the lead button weighing 25-30 g is recovered. This lead button is then cupelled at 1600°F until all the lead is oxidized. After cooling, the dore bead is placed in a 12 × 75 mm test tube. 0.2 ml of 1:1 nitric acid is added and allowed to react in a water bath for 30 minutes; 0.3 ml of concentrated hydrochloric acid is then added and allowed to react in the water bath for 30 minutes. The sample is then removed from the water bath and 4.5 ml of distilled water is added, the sample is thoroughly mixed, allowed to settle and the gold content is determined by atomic absorption.
Each furnace batch comprises 28 samples that include a reagent blank and gold standard. Crucibles are not reused until we have obtained the results of the sample that was previously in each crucible. Crucibles that have had gold values of 200 ppb are discarded. The lower detection limit is 2 ppb and samples assaying over 500 ppb are checked by gravimetric assay.

15.2. Gold Fire Assay Gravimetric Finish

A 29.166-g sample is weighed into a crucible that has been previously charged with approximately 130 g of flux. The sample is then mixed and 2 mg of silver nitrate is added. The sample is then fused at 1800°F for approximately 45 minutes. The sample is then poured in a conical mould and allowed to cool; after cooling, the slag is broken off and the lead button weighing 25-30 g is recovered. This lead button is then cupelled at 1600°F until all the lead is oxidized. After cooling, the dore bead is flattened with a hammer and placed in a porcelain parting cup. The cup is filled with 1:7 nitric acid and heated to dissolve the silver. When the reaction appears to be finished, a drop of concentrated nitric acid is added and the sample is observed to ensure there is no further action. The gold bead is then washed several times with hot distilled water, dried, annealed, cooled and weighed.

Each furnace batch comprises 28 samples that include a reagent blank and gold standard. Crucibles are not reused until we have obtained the results of the sample that was previously in each crucible. Crucibles that have had gold values of 3.00 g/t are discarded. The lower detection limit is 0.03 g/t and there is no upper limit. All values over 3.00 g/t are verified before reporting.

15.3. Metallic sieve

The total sample is dried, crushed and pulverized then screened using a 100-mesh screen. The -100 mesh portion is mixed and assayed in duplicate by fire assay gravimetric finish as well as all of the +100 mesh portion. All individual assays are reported as well as the final calculated value.

15.4. Multi-Elements (from www.actlabs.com : Code 1E1 – *Aqua Regia* - ICP-OES)

A 0.5-g sample is digested with *aqua regia* (0.5 ml H_2O, 0.6 ml concentrated HNO_3 and 1.8 ml concentrated HCl) for 2 hours at 95°C. The sample is cooled then diluted to 10 ml with deionized water and homogenized. The samples are then analyzed using a Perkin Elmer OPTIMA 3000 Radial ICP for the 30-element suite. A matrix standard and blank are run every 13 samples.

Table 3: Code 1E1 Elements and Detection Limits (ppm)

Element	Detection Limit	Upper Limit	Element	Detection Limit	Upper Limit
Ag*	0.2	100	Mo*	2	10,000
Al*	0.01%		Na*	0.01%	
As*	10		Ni*	1	10,000
Ba*	1		P*	0.00%	
Be*	1		Pb*	2	5,000
Bi	10		S*	100	
Ca*	0.01%		Sb*	10	
Cd	0.5	2,000	Sc*	1	
Co*	1		Sn*	10	
Cr*	2		Ti*	0.01%	
Cu	1	10,000	V*	1	
Fe*	0.01%		W*	10	
K*	0.01%		Y*	1	
Mg*	0.01%		Zn*	1	10,000
Mn*	2	10,000	Zr*	1	

Note: * Element may only be partially extracted.

A series of USGS geochemical standards are used as controls. Digestion is near total for base metals, however will only be partial for silicates and oxides.

ITEM 16 DATA VERIFICATION

All the samples were analysed for gold via fire assay. As a verification procedure, all the samples returning grades for gold above 500 ppb were re-analyzed by gravimetric assay. The lab results are enclosed in Appendix 4.

The exploration work conducted by Virginia Mines Inc was carried out using a quality assurance and quality control program according to industry standards for early stage exploration projects. Standard procedures are used in all aspects of sampling and data acquisition.

During 2011, Virginia Mines Inc did not implement specific analytical quality control measures to monitor the assay results delivered by Lab Expert, such a third party verification of pulps. Virginia relied on the laboratory internal analytical quality control measures to monitor the reliability of assay results delivered by Lab Expert.

In every shipment some standard and blank samples were introduced. The standards used were purchased at “Rocklabs”. Blank samples consist of crushed (3/4") calcite and silica commonly referred to as “marble aggregate” in the landscaping industry. 30-kg bags were purchased at a local retailer in Rouyn-Noranda. Tables 4 list all the standard and blank samples used in 2011 drilling campaign.

Table 4: Standard and blank samples of the 2011 drilling campaign.

Sample	Au g/t	Rocklabs grade	Type
225549	0.003	< 0.003	Blank
225550	17.83	18.14 (+/- 0.15)	Standard (SP37)
225599	0.003	< 0.003	Blank
225600	0.89	0.848 (+/- 0.10)	Standard (SF45)
225649	0.003	< 0.003	Blank
225650	1.78	1.78 (+/- 0.011)	Standard (Si54)
225699	0.003	< 0.003	Blank
225700	5.93	5.867 (+/- 0.066)	Standard (SL46)
225749	0.003	< 0.003	Blank
225750	0.86	0.848 (+/- 0.10)	Standard (SF45)
225799	0.003	< 0.003	Blank
225800	17.76	18.14 (+/- 0.15)	Standard (SP37)
225849	0.003	< 0.003	Blank
225850	1.88	1.78 (+/- 0.011)	Standard (Si54)
225899	0.003	< 0.003	Blank
225900	6.00	5.867 (+/- 0.066)	Standard (SL46)
225949	0.003	< 0.003	Blank
225950	5.76	5.867 (+/- 0.066)	Standard (SL46)
225999	0.003	< 0.003	Blank
226000	1.82	1.78 (+/- 0.011)	Standard (Si54)
226049	0.003	< 0.003	Blank
226050	5.93	5.867 (+/- 0.066)	Standard (SL46)
226099	0.003	< 0.003	Blank
226100	17.97	18.14 (+/- 0.15)	Standard (SP37)
226149	0.003	< 0.003	Blank
226150	6.00	5.867 (+/- 0.066)	Standard (SL46)
226199	0.003	< 0.003	Blank
226200	0.86	0.848 (+/- 0.10)	Standard (SF45)
226326	0.003	< 0.003	Blank
226327	0.89	0.848 (+/- 0.10)	Standard (SF45)
226399	0.003	< 0.003	Blank
226400	5.86	5.867 (+/- 0.066)	Standard (SL46)
226500	0.003	< 0.003	Blank
226599	0.003	< 0.003	Blank
226600	5.97	5.867 (+/- 0.066)	Standard (SL46)
226618	0.003	< 0.003	Blank
226619	0.86	0.848 (+/- 0.10)	Standard (SF45)

ITEM 17 ADJACENT PROPERTIES

The Wabamisk property is adjacent to the north, northeast and west of the Anatacau property. The Anatacau claims, 207 map-designated claims, totalling 10 952.03 hectares (109.52 km^2), are 100% held by IAMGOLD-Québec Management Inc. Under an agreement with Virginia Mines Inc., the latter may earn 100% interest in the property by investing 3 million dollars in exploration before the end of 2015. IAMGOLD retains a 2% NSR royalty, half of which (1%) may be bought back by Virginia. In 2007, Virginia continued geological reconnaissance work undertaken by IAMGOLD (Cambior). This work led to the discovery of the Franto showing, which graded **8.23 g/t Au** and **4.82 g/t Au / 4.0 m** in channel.

In the spring of 2008, four (4) drill holes totalling 670.6 metres tested the Franto showing and the extensions of the Isabelle showing on the Anatacau property. On the Franto grid, mineralization and alteration patterns observed in drill core are similar to those observed on surface at the showing, demonstrating that the mineralized system is still present. Gold assay results are relatively low however.

The Opinaca and Lac H properties are adjacent to the east of the Wabamisk property. These projects were, in 2011, bought by Virginia from Ressources D'Arianne Inc. and SOQUEM Inc. These properties contain several gold showings, including the Contact Zone, the Chino Zone, the Isabelle Zone, the Bull Zone and the Lac Renard showing.

Eastmain Resources has a property to the northeast of the Wabamisk claims that contains the historic Bear Island and Reservoir showings. The Bear Island showing contains gold (up to **86 g/t Au**) in biotite schist contained in an ENE-WSW trending fault zone. The host rock is felsic tuffs with strong actinolite and biotite alteration (Gauthier, Larocque, 1998). The Reservoir copper-gold mineralization is associated with strong biotite and actinolite alteration and minor carbonate alteration in basalts and porphyry dykes. Biotite schists are also observed in fault zones (Gauthier, Larocque, 1998).

The Assini property, 100% held by Virginia Mines Inc., is adjacent to the northwest part of the Wabamisk property, but no significant gold or base metals mineralizations have been reported. Ressources Sirios (south), Dianor (west) and Gene Leong (northwest) also have properties adjacent to the Wabamisk property where no significant mineralizations have been reported.

ITEM 18 MINERAL PROCESSING AND METALLURGICAL TESTING

This section is not applicable to this report.

ITEM 19 MINERAL RESOURCE AND MINERAL RESERVE ESTIMATES

This section is not applicable to this report.

ITEM 20 OTHER RELEVANT DATA AND INFORMATION

This section is not applicable to this report.

ITEM 21 INTERPRETATION AND CONCLUSIONS

Drilling of the Isabelle zone has revealed a classic shear hosted quartz veins gold mineralization system. This type of deposit (orogenic, shear hosted, mesothermal) is quite common in Archean greenstone belts and has been well studied (Robert and Poulsen, 2001; Groves and al., 2003). The potential for discovering more gold-bearing shear zones in the area is considered very good and faults with a reverse component of shear, as seen on the Isabelle zone, are more commonly mineralized than those with a normal or dominant strike-slip shear component (Sibson and al., 1988). Free gold has been often observed in the veins or in the adjacent host rock and because of this the gold grades can be high but the distribution of the gold is erratic.

Drilling has proven that the Isabelle zone is closed towards the north and the south. The sedimentary package and the gold bearing shears end suddenly in both directions and it appears field observations strongly suggest that they have been faulted. Towards the north, the fault appears to be dextral meaning that the continuation of the graywackes would be towards the east, where a tonalitic intrusion now lies. The Isabelle shear zone is loosing of its intensity at a depth of 120 metres. Drilled holes which tested the vertical continuity of the Isabelle zone did not encounter significant gold values. They certainly encountered what could be interpreted to be the vertical extension of the shear zone, although these faulted and veining zones were weakly developped and were almost bare of gold at this depth.

The hangingwall of the zone did reveal to contain mineralization with interesting gold value **(15.03 g/t Au / 1.0 m)** in hole WB-11-33. This gold intercept is hosted in wackes containing garnet alteration and some quartz veinlets with visible gold. It is therefore probable that the Isabelle hangingwall is the host to more gold bearing quartz veins.

Gold values on the Isabelle showing have been obtained in graywackes and in feldspar porphyry intrusive rocks but never in basalts. The feldspar porphyry rocks are abundant to the west of the Isabelle showing and therefore remain good targets. Theoretically these types of deposits are more dependants of shear zones than they are of rock types therefore even the basalts, which are also abundant to the north, south and west of Isabelle remain promising.

Drilling conducted on regional IP anomalies did not yield to significant gold values. However, drilled holes encountered metawackes, feldspar-porphyry dykes and metabasalts, similar to the Isabelle area geology. Holes intersected some strongly foliated passages and shear zones with sericite, few quartz veins and few sulphides. The sediments (metawackes) appeared to be very similar to those from the Isabelle showing host rock. Actually, they could be from the same sedimentary package, but they are more homogeneous and slightly more metamorphosed. Therefore, the sediments presents about 1 km north of Isabelle remain promising and should be considered as a good target for gold mineralization.

ITEM 22 RECOMMENDATIONS

Drilling has revealed that the Isabelle gold zone is closed towards the north and the south and the vertical extension of the shear zone was weakly developped and almost bare of gold minerlization at depth. Therefore, for now, no more drilling is recommended to test its vertical continuity. Follow-up drilling of the Isabelle hangingwall zone is recommended to investigate the lateral and depth extensions. As the mineralized zone is closed to the border between the Wabamisk and Anatacau properties, futur drilling program should be planned conjointly on the two projects. The new drill holes will need to be collared on Anatacau Lake.

The area to the north and west of the Isabelle zone remains prospective for shear hosted gold mineralization but exploration efforts are hampered by lack of rock outcrops. The area is swampy and therefore till sampling is impossible. Subsequent work in the area should include mechanical stripping or diamond drilling to test other IP anomalies that remain unexplained. Future field work should also consider the results of the summer 2011 soil sampling survey (SGH and *Aqua Regia* analysis) to define other targets of interest in the Isabelle area.

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ITEM 24 DATE AND SIGNATURE

CERTIFICATE OF QUALIFICATIONS

I, Jean-François Ouellette, reside at 6055 Rang de la Marina, Rouyn-Noranda (Quebec), J0Z 1K0, and hereby certify that:

I am currently President of Services Techniques Géonordic Inc. (STG), 970 Larivière, Rouyn-Noranda (Québec), J9X 4K5.

I graduated from the Université du Québec à Montréal in Montréal with a B.Sc. in Geology in 1987.

I have been working as a professional geologist since 1987.

I am a Professional in Geology and registered member of the *Ordre des Géologues du Québec*, permit number 222.

I am a Qualified Person with respect to the Wabamisk Project in accordance with section 1.2 of National Instrument 43-101.

I am involved in the Wabamisk Project since 2005.

I supervised the 2011 drilling program. I wrote and supervised co-author David Vachon, prepared and edited all maps of this report utilizing proprietary exploration data generated by STG for Virginia 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 cause this report to be misleading.

I do not fulfil the requirements set out in section 1.5 of National Instrument 43-101 for an "independent qualified person" relative to the issuer, being part of the stock option plan of Virginia Mines Inc.

I have read and used National Instrument 43-101 and Form 43-101F1 to prepare this report in accordance with its specifications and terminology.

Dated in Rouyn-Noranda, Qc, this 24th day of February 2012.

Jean-François Ouellette, B.Sc., P. Geo.

CERTIFICATE OF QUALIFICATIONS

I, David Vachon, residing at 3016, Montée d'Argenteuil, St-Adolphe-d'Howard (Québec), J0T 2B0, and hereby certify that:

I am currently employed as Project Geologist with Services Techniques Géonordic Inc. (STG), 970, avenue Larivière, Rouyn-Noranda (Québec), J9X 4K5.

I graduated from the Université du Québec à Montréal with a B.Sc. in Geology in 2008.

I have been working as a geologist or geologist-in-training in mineral exploration since 2008.

I am a Professional in Geology and registered member of the *Ordre des Géologues du Québec*, permit number 1327.

I am involved in the Wabamisk Project since 2007.

I have visited the property from March to April 2011, while participating in the exploration program.

In collaboration with author Jean-François Ouellette, B.Sc., P. Geo., I wrote Items 13, 21 and 22 and edited maps relative to these items, utilizing proprietary exploration data generated by STG for Virginia 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 cause this report to be misleading.

I do not fulfil the requirements set out in section 1.5 of National Instrument 43-101 for an "independent qualified person" relative to the issuer, being part of the stock option plan of Virginia Mines Inc.

I have read and used National Instrument 43-101 and Form 43-101F1 to prepare this report in accordance with its specifications and terminology.

Dated in Rouyn-Noranda, Qc, this 24th day of February 2012.

David Vachon, B.Sc., P. Geo.

ITEM 26 ILLUSTRATIONS

VIRGINIA MINES INC.

WABAMISK PROPERTY

Project location

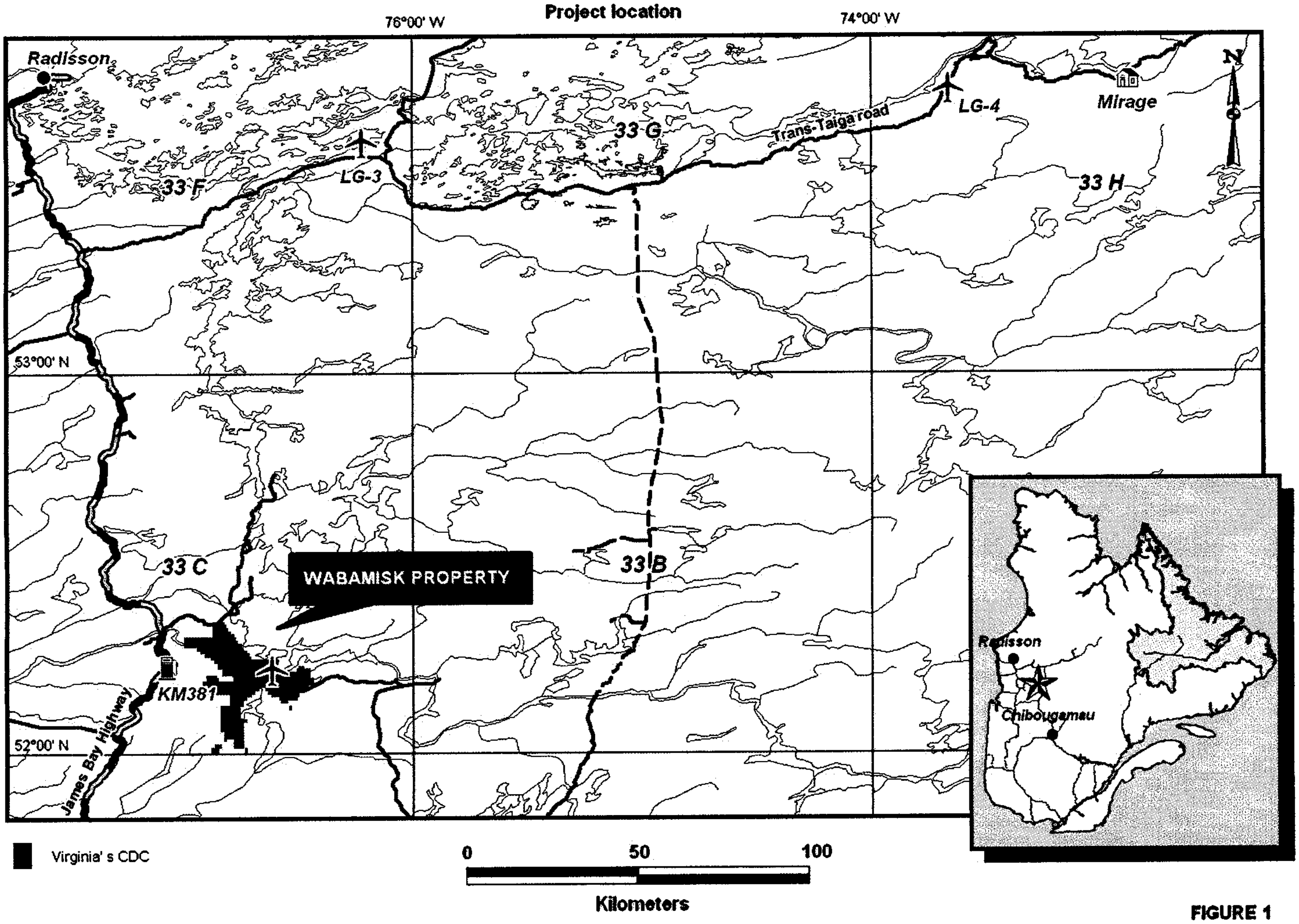


FIGURE 1

VIRGINIA MINES INC.

WABAMISK PROPERTY

Claim location

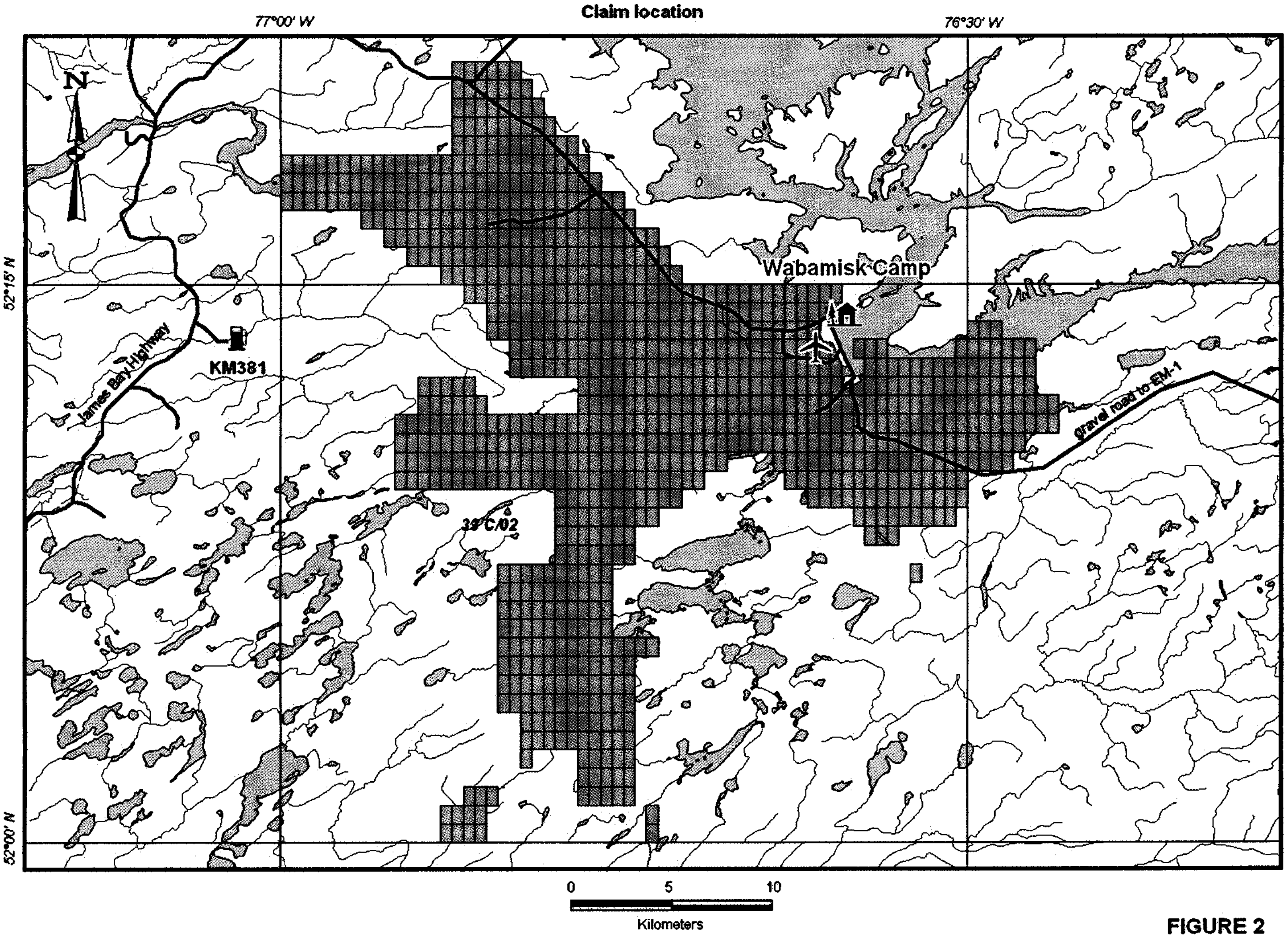
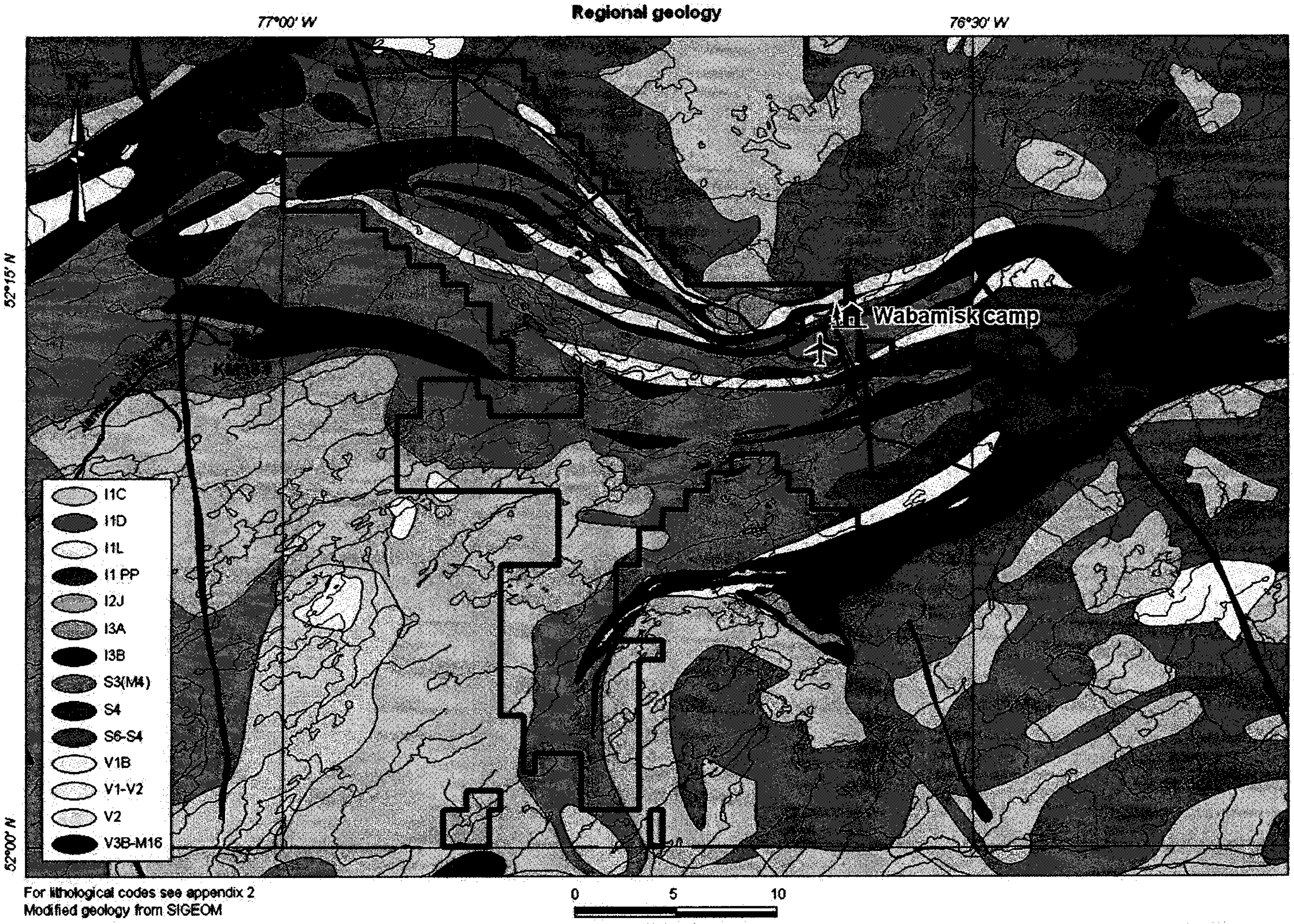


FIGURE 2

VIRGINIA MINES INC.

WABAMISK PROPERTY

Regional geology



For lithological codes see appendix 2
Modified geology from SIGEOM

FIGURE 3

VIRGINIA MINES INC.
WABAMISK PROPERTY
2011 Drill Holes Location

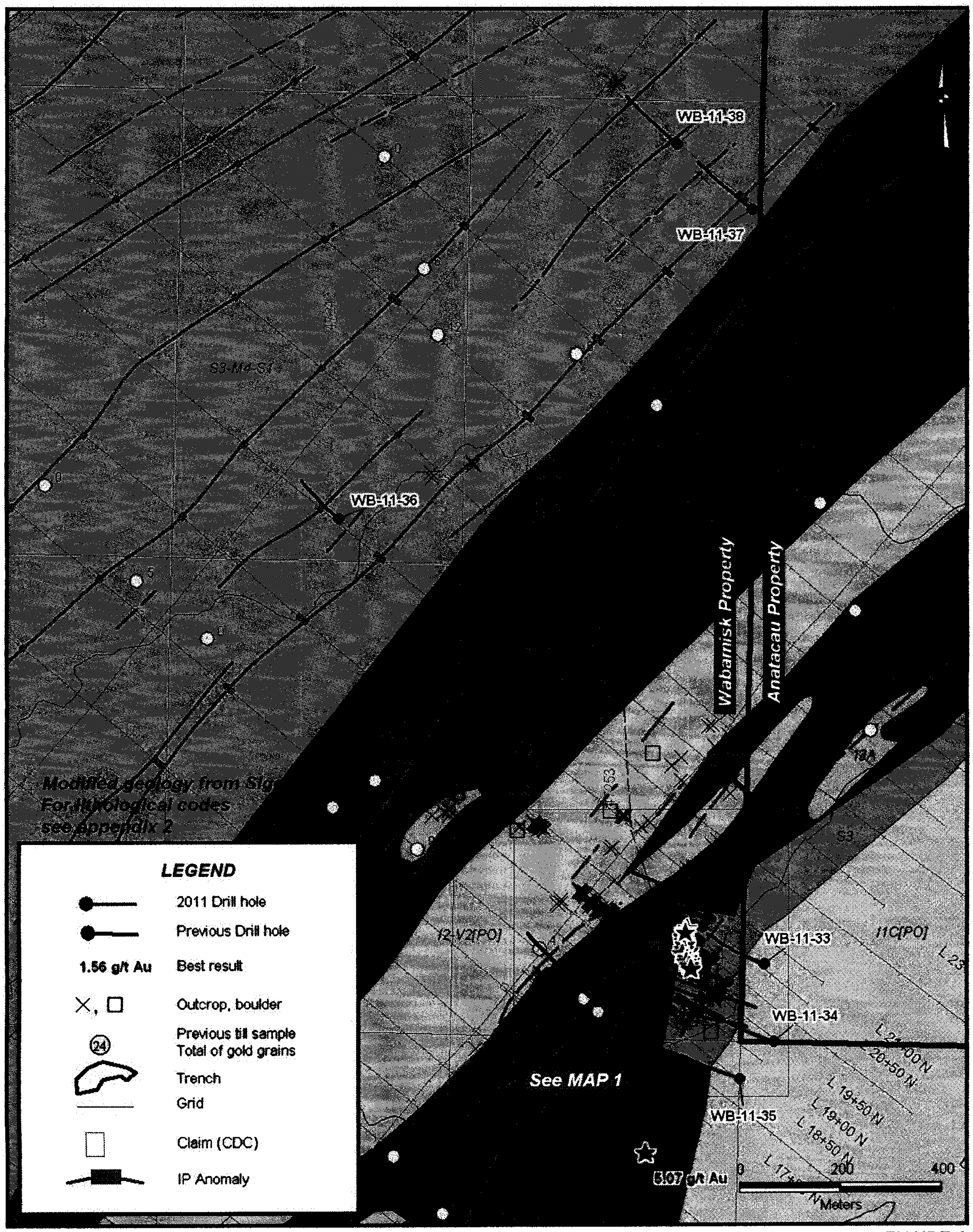


FIGURE 4

Appendix 1 : Claims list

List of claims
CDC - Wabamisk
Mines Virginia inc. (100%)

Claim No	NTS	Surface (ha)	Row	Column	Recording Date	Expiration Date
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2250600	33C02	52.79	26	54	20100920	20120919
2250601	33C02	52.79	26	55	20100920	20120919
2250602	33C02	52.79	26	56	20100920	20120919
2250603	33C02	52.79	26	57	20100920	20120919
2250604	33C02	52.79	26	58	20100920	20120919
2250605	33C02	52.79	26	59	20100920	20120919
2250606	33C02	52.79	26	60	20100920	20120919
2250607	33C02	52.78	27	51	20100920	20120919
2250608	33C02	52.78	27	52	20100920	20120919
2250609	33C02	52.78	27	53	20100920	20120919
2250610	33C02	52.78	27	60	20100920	20120919
2297077	33C02	52.86	20	11	20110617	20130616
2297078	33C02	52.86	20	12	20110617	20130616
2297079	33C02	52.86	20	13	20110617	20130616
2297080	33C02	52.86	20	14	20110617	20130616
2297081	33C02	52.86	20	15	20110617	20130616
2297082	33C02	52.85	20	16	20110617	20130616
2297083	33C02	52.85	20	17	20110617	20130616
2297084	33C02	52.85	20	18	20110617	20130616
2297085	33C02	52.85	20	19	20110617	20130616
2297086	33C02	52.85	20	20	20110617	20130616
2297087	33C02	52.85	20	21	20110617	20130616
2297088	33C02	52.85	20	22	20110617	20130616
2297089	33C02	52.85	20	23	20110617	20130616
2297090	33C02	52.85	20	24	20110617	20130616
2297091	33C02	52.85	21	11	20110617	20130616
2297092	33C02	52.85	21	12	20110617	20130616
2297093	33C02	52.85	21	13	20110617	20130616
2297094	33C02	52.85	21	14	20110617	20130616
2297095	33C02	52.85	21	15	20110617	20130616
2297096	33C02	52.84	21	16	20110617	20130616
2297097	33C02	52.84	21	17	20110617	20130616
2297098	33C02	52.84	21	18	20110617	20130616
2297099	33C02	52.84	21	19	20110617	20130616
2297100	33C02	52.84	21	20	20110617	20130616
2297101	33C02	52.84	21	21	20110617	20130616
2297102	33C02	52.84	21	22	20110617	20130616
2297103	33C02	52.84	21	23	20110617	20130616
2297104	33C02	52.84	21	24	20110617	20130616
2297105	33C02	52.84	21	25	20110617	20130616
2297106	33C02	52.84	22	11	20110617	20130616
2297107	33C02	52.84	22	12	20110617	20130616
2297108	33C02	52.84	22	13	20110617	20130616
2297109	33C02	52.84	22	14	20110617	20130616
2297110	33C02	52.84	22	15	20110617	20130616
2297111	33C02	52.84	22	16	20110617	20130616
2297112	33C02	52.84	22	17	20110617	20130616
2297113	33C02	52.83	22	18	20110617	20130616
2297114	33C02	52.83	22	19	20110617	20130616
2297115	33C02	52.83	22	20	20110617	20130616
2297116	33C02	52.83	22	21	20110617	20130616
2297117	33C02	52.83	22	22	20110617	20130616
2297118	33C02	52.83	22	23	20110617	20130616

Claim No	NTS	Surface (ha)	Row	Column	Recording Date	Expiration Date
2297119	33C02	52.83	22	24	20110617	20130616
2297120	33C02	52.83	22	25	20110617	20130616
2297121	33C02	52.83	23	11	20110617	20130616
2297122	33C02	52.83	23	12	20110617	20130616
2297123	33C02	52.83	23	13	20110617	20130616
2297124	33C02	52.83	23	14	20110617	20130616
2297125	33C02	52.83	23	15	20110617	20130616
2297126	33C02	52.83	23	16	20110617	20130616
2297127	33C02	52.83	23	17	20110617	20130616
2297128	33C02	52.83	23	18	20110617	20130616
2297129	33C02	52.83	23	19	20110617	20130616
2297130	33C02	52.82	23	20	20110617	20130616
2297131	33C02	52.82	23	21	20110617	20130616
2297132	33C02	52.82	23	22	20110617	20130616
2297133	33C02	52.82	23	23	20110617	20130616
2297134	33C02	52.82	23	24	20110617	20130616
2297135	33C02	52.82	23	25	20110617	20130616
2297136	33C02	52.82	23	26	20110617	20130616
2299954	33C02	52.90	15	56	20110714	20130713
2317818	33C02	52.82	24	13	20111013	20131012
2317819	33C02	52.82	24	14	20111013	20131012
2317820	33C02	52.82	24	15	20111013	20131012
2317821	33C02	52.82	24	16	20111013	20131012
2317822	33C02	52.82	24	17	20111013	20131012
2317823	33C02	52.82	24	18	20111013	20131012
2317824	33C02	52.81	25	13	20111013	20131012
2317825	33C02	52.81	25	14	20111013	20131012
2317826	33C02	52.81	25	15	20111013	20131012
2317827	33C02	52.81	25	16	20111013	20131012
2317828	33C02	52.81	25	17	20111013	20131012
45179	33C02	52.87	18	53	20041126	20161125
47185	33C02	52.86	19	25	20041201	20121130
47186	33C02	52.86	19	26	20041201	20121130
47187	33C02	52.86	19	27	20041201	20121130
47188	33C02	52.86	19	28	20041201	20121130
47189	33C02	52.86	19	29	20041201	20121130
47190	33C02	52.86	19	30	20041201	20121130
47191	33C02	52.87	18	25	20041201	20121130
47192	33C02	52.87	18	26	20041201	20121130
47193	33C02	52.87	18	27	20041201	20121130
47194	33C02	52.87	18	28	20041201	20121130
47195	33C02	52.87	18	29	20041201	20121130
47196	33C02	52.87	18	30	20041201	20121130
47197	33C02	52.87	18	31	20041201	20121130
47198	33C02	52.87	18	32	20041201	20121130
47199	33C02	52.87	18	33	20041201	20121130
47200	33C02	52.88	17	25	20041201	20121130
47201	33C02	52.88	17	26	20041201	20121130
47202	33C02	52.88	17	27	20041201	20121130
47203	33C02	52.88	17	28	20041201	20121130
47204	33C02	52.88	17	29	20041201	20121130
47205	33C02	52.88	17	30	20041201	20121130
47206	33C02	52.88	17	31	20041201	20121130
47207	33C02	52.89	16	25	20041201	20121130
47208	33C02	52.89	16	26	20041201	20121130
47209	33C02	52.89	16	27	20041201	20121130
47210	33C02	52.89	16	28	20041201	20121130

Claim No	NTS	Surface (ha)	Row	Column	Recording Date	Expiration Date
47211	33C02	52.89	16	29	20041201	20121130
47212	33C02	52.89	16	30	20041201	20121130
47213	33C02	52.89	16	31	20041201	20121130
47214	33C02	52.90	15	20	20041201	20121130
47215	33C02	52.90	15	21	20041201	20121130
47216	33C02	52.90	15	22	20041201	20121130
47217	33C02	52.90	15	23	20041201	20121130
47218	33C02	52.90	15	24	20041201	20121130
47219	33C02	52.90	15	25	20041201	20121130
47220	33C02	52.90	15	26	20041201	20121130
47221	33C02	52.90	15	27	20041201	20121130
47222	33C02	52.90	15	28	20041201	20121130
47223	33C02	52.90	15	29	20041201	20121130
47224	33C02	52.91	14	20	20041201	20121130
47225	33C02	52.91	14	21	20041201	20121130
47226	33C02	52.91	14	22	20041201	20121130
47227	33C02	52.91	14	23	20041201	20121130
47228	33C02	52.91	14	24	20041201	20121130
47229	33C02	52.91	14	25	20041201	20121130
47230	33C02	52.91	14	26	20041201	20121130
47231	33C02	52.91	14	27	20041201	20121130
47232	33C02	52.91	14	28	20041201	20121130
47233	33C02	52.91	14	29	20041201	20121130
47234	33C02	52.92	13	20	20041201	20121130
47235	33C02	52.92	13	21	20041201	20121130
47236	33C02	52.92	13	22	20041201	20121130
47237	33C02	52.92	13	23	20041201	20121130
47238	33C02	52.92	13	24	20041201	20121130
47239	33C02	52.92	13	25	20041201	20121130
47240	33C02	52.92	13	26	20041201	20121130
47241	33C02	52.92	13	27	20041201	20121130
47242	33C02	52.92	13	28	20041201	20121130
47243	33C02	52.92	13	29	20041201	20121130
47244	33C02	52.93	12	20	20041201	20121130
47245	33C02	52.93	12	21	20041201	20121130
47246	33C02	52.93	12	22	20041201	20121130
47247	33C02	52.93	12	23	20041201	20121130
47248	33C02	52.93	12	24	20041201	20121130
47249	33C02	52.93	12	25	20041201	20121130
47250	33C02	52.93	12	26	20041201	20121130
47251	33C02	52.93	12	27	20041201	20121130
47252	33C02	52.93	12	28	20041201	20121130
47253	33C02	52.93	12	29	20041201	20121130
47254	33C02	52.94	11	20	20041201	20121130
47255	33C02	52.94	11	21	20041201	20121130
47256	33C02	52.94	11	22	20041201	20121130
47257	33C02	52.94	11	23	20041201	20121130
47258	33C02	52.94	11	24	20041201	20121130
47259	33C02	52.94	11	25	20041201	20121130
47260	33C02	52.94	11	26	20041201	20121130
47261	33C02	52.94	11	27	20041201	20121130
47262	33C02	52.94	11	28	20041201	20121130
47263	33C02	52.94	11	29	20041201	20121130
47264	33C02	52.94	11	30	20041201	20121130
47265	33C02	52.94	11	31	20041201	20121130
47266	33C02	52.95	10	20	20041201	20121130
47267	33C02	52.95	10	21	20041201	20121130

Claim No	NTS	Surface (ha)	Row	Column	Recording Date	Expiration Date
47268	33C02	52.95	10	22	20041201	20121130
47269	33C02	52.95	10	23	20041201	20121130
47270	33C02	52.95	10	24	20041201	20121130
47271	33C02	52.95	10	25	20041201	20121130
47272	33C02	52.95	10	26	20041201	20121130
47273	33C02	52.95	10	27	20041201	20121130
47274	33C02	52.95	10	28	20041201	20121130
47275	33C02	52.95	10	29	20041201	20121130
47276	33C02	52.95	10	30	20041201	20121130
47277	33C02	52.95	10	31	20041201	20121130
47278	33C02	52.96	9	20	20041201	20121130
47279	33C02	52.96	9	21	20041201	20121130
47280	33C02	52.96	9	22	20041201	20121130
47281	33C02	52.96	9	23	20041201	20121130
47282	33C02	52.96	9	24	20041201	20121130
47283	33C02	52.96	9	25	20041201	20121130
47284	33C02	52.96	9	26	20041201	20121130
47285	33C02	52.96	9	27	20041201	20121130
47286	33C02	52.96	9	28	20041201	20121130
47287	33C02	52.96	9	29	20041201	20121130
47288	33C02	52.96	9	30	20041201	20121130
47289	33C02	52.96	9	31	20041201	20121130
47290	33C02	52.97	8	20	20041201	20121130
47291	33C02	52.97	8	21	20041201	20121130
47292	33C02	52.97	8	22	20041201	20121130
47293	33C02	52.97	8	23	20041201	20121130
47294	33C02	52.97	8	24	20041201	20121130
47295	33C02	52.97	8	25	20041201	20121130
47296	33C02	52.97	8	26	20041201	20121130
47297	33C02	52.97	8	27	20041201	20121130
47298	33C02	52.97	8	28	20041201	20121130
47299	33C02	52.97	8	29	20041201	20121130
47300	33C02	52.97	8	30	20041201	20121130
47301	33C02	52.97	8	31	20041201	20121130
47302	33C02	52.98	7	23	20041201	20121130
47303	33C02	52.98	7	24	20041201	20121130
47304	33C02	52.98	7	25	20041201	20121130
47305	33C02	52.98	7	26	20041201	20121130
47306	33C02	52.98	7	27	20041201	20121130
47307	33C02	52.98	7	28	20041201	20121130
47308	33C02	52.98	7	29	20041201	20121130
47309	33C02	52.98	7	30	20041201	20121130
47310	33C02	52.98	7	31	20041201	20121130
47311	33C02	52.99	6	23	20041201	20121130
47312	33C02	52.99	6	24	20041201	20121130
47313	33C02	52.99	6	25	20041201	20121130
47314	33C02	52.99	6	26	20041201	20121130
47315	33C02	52.99	6	27	20041201	20121130
47316	33C02	52.99	6	28	20041201	20121130
47317	33C02	52.99	6	29	20041201	20121130
47318	33C02	52.99	6	30	20041201	20121130
47319	33C02	52.99	6	31	20041201	20121130
47320	33C02	53.00	5	27	20041201	20121130
47321	33C02	53.00	5	28	20041201	20121130
47322	33C02	53.00	5	29	20041201	20121130
47323	33C02	53.00	5	30	20041201	20121130
47324	33C02	53.00	5	31	20041201	20121130

Claim No	NTS	Surface (ha)	Row	Column	Recording Date	Expiration Date
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47326	33C02	53.01	4	28	20041201	20121130
47327	33C02	53.01	4	29	20041201	20121130
47328	33C02	53.01	4	30	20041201	20121130
47329	33C02	53.01	4	31	20041201	20121130
47330	33C02	53.02	3	27	20041201	20121130
47331	33C02	53.02	3	28	20041201	20121130
47332	33C02	53.02	3	29	20041201	20121130
47333	33C02	53.02	3	30	20041201	20121130
47334	33C02	53.02	3	31	20041201	20121130
47414	33C02	52.86	19	31	20041201	20121130
47415	33C02	52.86	19	32	20041201	20121130
47416	33C02	52.86	19	33	20041201	20121130
47417	33C02	52.86	19	34	20041201	20121130
47418	33C02	52.86	19	35	20041201	20121130
48756	33C02	52.83	22	59	20041217	20161216
48757	33C02	52.83	22	60	20041217	20161216
48758	33C02	52.84	21	57	20041217	20161216
48759	33C02	52.84	21	58	20041217	20161216
48760	33C02	52.84	21	59	20041217	20161216
48761	33C02	52.84	21	60	20041217	20161216
48762	33C02	52.85	20	54	20041217	20161216
48763	33C02	52.85	20	55	20041217	20161216
48764	33C02	52.85	20	56	20041217	20161216
48765	33C02	52.85	20	57	20041217	20161216
48766	33C02	52.85	20	58	20041217	20161216
48767	33C02	52.85	20	59	20041217	20161216
48768	33C02	52.85	20	60	20041217	20161216
48769	33C02	52.86	19	53	20041217	20161216
48770	33C02	52.86	19	54	20041217	20161216
48771	33C02	52.86	19	55	20041217	20161216
48772	33C02	52.86	19	56	20041217	20161216
48773	33C02	52.86	19	57	20041217	20161216
48774	33C02	52.86	19	58	20041217	20161216
48775	33C02	52.86	19	59	20041217	20161216
48776	33C02	52.86	19	60	20041217	20161216
48777	33C02	52.87	18	55	20041217	20161216
48778	33C02	52.87	18	56	20041217	20161216
48779	33C02	52.87	18	57	20041217	20161216
48780	33C02	52.87	18	58	20041217	20161216
48781	33C02	52.87	18	59	20041217	20161216
48782	33C01	52.82	23	2	20041217	20161216
48783	33C01	52.82	23	3	20041217	20621216
48784	33C01	52.82	23	4	20041217	20161216
48785	33C01	52.83	22	1	20041217	20161216
48786	33C01	52.83	22	2	20041217	20161216
48787	33C01	52.83	22	3	20041217	20161216
48788	33C01	52.83	22	4	20041217	20161216
48789	33C01	52.84	21	1	20041217	20161216
48790	33C01	52.84	21	2	20041217	20161216
48791	33C01	52.84	21	3	20041217	20161216
48792	33C01	52.84	21	4	20041217	20161216
52963	33C02	52.83	22	33	20050202	20130201
52964	33C02	52.83	22	34	20050202	20130201
52965	33C02	52.83	22	35	20050202	20130201
52966	33C02	52.83	22	36	20050202	20130201
52967	33C02	52.83	22	37	20050202	20130201

Claim No	NTS	Surface (ha)	Row	Column	Recording Date	Expiration Date
52968	33C02	52.83	22	38	20050202	20130201
52969	33C02	52.83	22	39	20050202	20130201
52970	33C02	52.83	22	40	20050202	20130201
52971	33C02	52.83	22	41	20050202	20130201
52972	33C02	52.83	22	42	20050202	20130201
52973	33C02	52.83	22	43	20050202	20130201
52976	33C02	52.83	22	46	20050202	20130201
52977	33C02	52.84	21	31	20050202	20130201
52978	33C02	52.84	21	32	20050202	20130201
52979	33C02	52.84	21	33	20050202	20130201
52980	33C02	52.84	21	34	20050202	20130201
52981	33C02	52.84	21	35	20050202	20130201
52982	33C02	52.84	21	36	20050202	20130201
52983	33C02	52.84	21	37	20050202	20130201
52984	33C02	52.84	21	38	20050202	20130201
52985	33C02	52.84	21	39	20050202	20130201
52986	33C02	52.84	21	44	20050202	20130201
52987	33C02	52.84	21	45	20050202	20130201
52989	33C02	52.85	20	31	20050202	20130201
52990	33C02	52.85	20	32	20050202	20130201
52991	33C02	52.85	20	33	20050202	20130201
52992	33C02	52.85	20	34	20050202	20130201
52993	33C02	52.85	20	35	20050202	20130201
52994	33C02	52.85	20	36	20050202	20130201
52995	33C02	52.85	20	37	20050202	20130201
52996	33C02	52.85	20	45	20050202	20130201
52997	33C02	52.85	20	46	20050202	20130201
52998	33C02	52.76	30	24	20050202	20130201
52999	33C02	52.76	30	25	20050202	20130201
53000	33C02	52.75	30	26	20050202	20130201
53001	33C02	52.75	30	27	20050202	20130201
53002	33C02	52.75	30	28	20050202	20130201
53003	33C02	52.75	30	29	20050202	20130201
53004	33C02	52.75	30	30	20050202	20130201
53005	33C02	52.75	30	31	20050202	20130201
53006	33C02	52.75	30	32	20050202	20130201
53007	33C02	52.75	30	33	20050202	20130201
53010	33C02	52.75	30	36	20050202	20130201
53011	33C02	52.75	30	37	20050202	20130201
53012	33C02	52.75	30	38	20050202	20130201
53013	33C02	52.75	30	39	20050202	20130201
53014	33C02	52.75	30	40	20050202	20130201
53015	33C02	52.75	30	41	20050202	20130201
53016	33C02	52.75	30	42	20050202	20130201
53017	33C02	52.75	30	43	20050202	20130201
53018	33C02	52.75	30	44	20050202	20130201
53019	33C02	52.75	30	45	20050202	20130201
53020	33C02	52.75	30	46	20050202	20130201
53021	33C02	52.77	29	24	20050202	20130201
53022	33C02	52.76	29	25	20050202	20130201
53023	33C02	52.76	29	26	20050202	20130201
53024	33C02	52.76	29	27	20050202	20130201
53025	33C02	52.76	29	28	20050202	20130201
53026	33C02	52.76	29	29	20050202	20130201
53027	33C02	52.76	29	30	20050202	20130201
53028	33C02	52.76	29	31	20050202	20130201
53029	33C02	52.76	29	32	20050202	20130201

Claim No	NTS	Surface (ha)	Row	Column	Recording Date	Expiration Date
53030	33C02	52.76	29	33	20050202	20130201
53031	33C02	52.76	29	34	20050202	20130201
53034	33C02	52.76	29	37	20050202	20130201
53035	33C02	52.76	29	38	20050202	20130201
53036	33C02	52.76	29	39	20050202	20130201
53037	33C02	52.76	29	40	20050202	20130201
53038	33C02	52.76	29	41	20050202	20130201
53039	33C02	52.76	29	42	20050202	20130201
53040	33C02	52.76	29	43	20050202	20130201
53041	33C02	52.76	29	44	20050202	20130201
53042	33C02	52.76	29	45	20050202	20130201
53043	33C02	52.76	29	46	20050202	20130201
53044	33C02	52.77	28	31	20050202	20130201
53045	33C02	52.77	28	32	20050202	20130201
53046	33C02	52.77	28	33	20050202	20130201
53047	33C02	52.77	28	34	20050202	20130201
53048	33C02	52.77	28	35	20050202	20130201
53049	33C02	52.77	28	36	20050202	20130201
53051	33C02	52.77	28	38	20050202	20130201
53052	33C02	52.77	28	39	20050202	20130201
53053	33C02	52.77	28	40	20050202	20130201
53054	33C02	52.77	28	41	20050202	20130201
53055	33C02	52.77	28	42	20050202	20130201
53056	33C02	52.77	28	43	20050202	20130201
53057	33C02	52.77	28	44	20050202	20130201
53058	33C02	52.77	28	45	20050202	20130201
53059	33C02	52.77	28	46	20050202	20130201
53061	33C02	52.78	27	39	20050202	20130201
53062	33C02	52.78	27	40	20050202	20130201
53063	33C02	52.78	27	41	20050202	20130201
53064	33C02	52.78	27	42	20050202	20130201
53065	33C02	52.78	27	43	20050202	20130201
53066	33C02	52.78	27	44	20050202	20130201
53067	33C02	52.78	27	45	20050202	20130201
53068	33C02	52.78	27	46	20050202	20130201
53069	33C02	52.80	25	31	20050202	20130201
53070	33C02	52.80	25	32	20050202	20130201
53071	33C02	52.80	25	33	20050202	20130201
53072	33C02	52.80	25	34	20050202	20130201
53073	33C02	52.81	24	31	20050202	20130201
53074	33C02	52.81	24	32	20050202	20130201
53075	33C02	52.81	24	33	20050202	20130201
53076	33C02	52.81	24	34	20050202	20130201
53077	33C02	52.81	24	35	20050202	20130201
53078	33C02	52.81	24	36	20050202	20130201
53079	33C02	52.81	24	37	20050202	20130201
53080	33C02	52.82	23	31	20050202	20130201
53081	33C02	52.82	23	32	20050202	20130201
53082	33C02	52.82	23	33	20050202	20130201
53083	33C02	52.82	23	34	20050202	20130201
53084	33C02	52.82	23	35	20050202	20130201
53085	33C02	52.82	23	36	20050202	20130201
53086	33C02	52.82	23	37	20050202	20130201
53087	33C02	52.82	23	38	20050202	20130201
53088	33C02	52.82	23	39	20050202	20130201
53089	33C02	52.82	23	40	20050202	20130201
53090	33C02	52.82	23	41	20050202	20130201

Claim No	NTS	Surface (ha)	Row	Column	Recording Date	Expiration Date
53091	33C02	52.82	23	42	20050202	20130201
53093	33C02	52.82	23	44	20050202	20130201
53094	33C02	52.82	23	45	20050202	20130201
53095	33C02	52.82	23	46	20050202	20130201
53096	33C02	52.83	22	31	20050202	20130201
53097	33C02	52.83	22	32	20050202	20130201
53209	33C07	52.75	1	23	20050209	20130208
53210	33C07	52.75	1	24	20050209	20130208
53211	33C07	52.75	1	25	20050209	20130208
53212	33C07	52.75	1	26	20050209	20130208
53213	33C07	52.74	1	27	20050209	20130208
53214	33C07	52.74	1	28	20050209	20130208
53215	33C07	52.74	1	29	20050209	20130208
53216	33C07	52.74	1	30	20050209	20130208
53217	33C07	52.74	2	20	20050209	20130208
53218	33C07	52.74	2	21	20050209	20130208
53219	33C07	52.74	2	22	20050209	20130208
53220	33C07	52.74	2	23	20050209	20130208
53221	33C07	52.74	2	24	20050209	20130208
53222	33C07	52.74	2	25	20050209	20130208
53223	33C07	52.74	2	26	20050209	20130208
53224	33C07	52.74	2	27	20050209	20130208
53225	33C07	52.74	2	28	20050209	20130208
53226	33C07	52.73	2	29	20050209	20130208
53227	33C07	52.73	2	30	20050209	20130208
53228	33C07	52.73	3	18	20050209	20130208
53229	33C07	52.73	3	19	20050209	20130208
53230	33C07	52.73	3	20	20050209	20130208
53231	33C07	52.73	3	21	20050209	20130208
53232	33C07	52.73	3	22	20050209	20130208
53233	33C07	52.73	3	23	20050209	20130208
53234	33C07	52.73	3	24	20050209	20130208
53235	33C07	52.73	3	25	20050209	20130208
53236	33C07	52.73	3	26	20050209	20130208
53237	33C07	52.73	3	27	20050209	20130208
53238	33C07	52.73	3	28	20050209	20130208
53239	33C07	52.73	3	29	20050209	20130208
53240	33C07	52.72	3	30	20050209	20130208
53241	33C07	52.72	4	18	20050209	20130208
53242	33C07	52.72	4	19	20050209	20130208
53243	33C07	52.72	4	20	20050209	20130208
53244	33C07	52.72	4	21	20050209	20130208
53245	33C07	52.72	4	22	20050209	20130208
53246	33C07	52.72	4	23	20050209	20130208
53247	33C07	52.72	4	24	20050209	20130208
53248	33C07	52.72	4	25	20050209	20130208
53249	33C07	52.72	4	26	20050209	20130208
53250	33C07	52.72	4	27	20050209	20130208
53251	33C07	52.72	4	28	20050209	20130208
53252	33C07	52.71	5	18	20050209	20130208
53253	33C07	52.71	5	19	20050209	20130208
53254	33C07	52.71	5	20	20050209	20130208
53255	33C07	52.71	5	21	20050209	20130208
53256	33C07	52.71	5	22	20050209	20130208
53257	33C07	52.71	5	23	20050209	20130208
53258	33C07	52.71	5	24	20050209	20130208
53259	33C07	52.71	5	25	20050209	20130208

Claim No	NTS	Surface (ha)	Row	Column	Recording Date	Expiration Date
53260	33C07	52.71	5	26	20050209	20130208
53261	33C07	52.70	6	18	20050209	20130208
53262	33C07	52.70	6	19	20050209	20130208
53263	33C07	52.70	6	20	20050209	20130208
53264	33C07	52.70	6	21	20050209	20130208
53265	33C07	52.70	6	22	20050209	20130208
53266	33C07	52.70	6	23	20050209	20130208
53267	33C07	52.70	6	24	20050209	20130208
53268	33C07	52.70	6	25	20050209	20130208
53269	33C07	52.69	7	18	20050209	20130208
53270	33C07	52.69	7	19	20050209	20130208
53271	33C07	52.69	7	20	20050209	20130208
53272	33C07	52.69	7	21	20050209	20130208
53273	33C07	52.69	7	22	20050209	20130208
53274	33C07	52.69	7	23	20050209	20130208
53275	33C07	52.68	8	18	20050209	20130208
53276	33C07	52.68	8	19	20050209	20130208
53277	33C07	52.68	8	20	20050209	20130208
53278	33C07	52.68	8	21	20050209	20130208
53279	33C07	52.68	8	22	20050209	20130208
53280	33C07	52.68	8	23	20050209	20130208
53281	33C07	52.67	9	18	20050209	20130208
53282	33C07	52.67	9	19	20050209	20130208
53283	33C07	52.74	1	31	20050209	20130208
53284	33C07	52.74	1	32	20050209	20130208
53286	33C07	52.73	2	31	20050209	20130208
53288	33C07	52.73	2	33	20050209	20130208
63397	33C07	52.65	11	16	20050425	20130424
63398	33C07	52.65	11	17	20050425	20130424
63399	33C07	52.65	11	18	20050425	20130424
63400	33C07	52.65	11	19	20050425	20130424
63416	33C07	52.64	12	16	20050425	20130424
63417	33C07	52.64	12	17	20050425	20130424
63418	33C07	52.64	12	18	20050425	20130424
63420	33C07	52.73	3	15	20050425	20130424
63421	33C07	52.73	3	16	20050425	20130424
63422	33C07	52.73	3	17	20050425	20130424
63423	33C07	52.72	4	15	20050425	20130424
63424	33C07	52.72	4	16	20050425	20130424
63425	33C07	52.72	4	17	20050425	20130424
63426	33C07	52.71	5	1	20050425	20130424
63427	33C07	52.71	5	2	20050425	20130424
63428	33C07	52.71	5	3	20050425	20130424
63429	33C07	52.71	5	4	20050425	20130424
63430	33C07	52.71	5	5	20050425	20130424
63431	33C07	52.71	5	6	20050425	20130424
63432	33C07	52.71	5	7	20050425	20130424
63433	33C07	52.71	5	8	20050425	20130424
63434	33C07	52.71	5	9	20050425	20130424
63435	33C07	52.71	5	10	20050425	20130424
63436	33C07	52.71	5	11	20050425	20130424
63437	33C07	52.71	5	12	20050425	20130424
63438	33C07	52.71	5	13	20050425	20130424
63439	33C07	52.71	5	14	20050425	20130424
63440	33C07	52.71	5	15	20050425	20130424
63441	33C07	52.71	5	16	20050425	20130424
63442	33C07	52.71	5	17	20050425	20130424

Claim No	NTS	Surface (ha)	Row	Column	Recording Date	Expiration Date
63443	33C07	52.70	6	1	20050425	20130424
63444	33C07	52.70	6	2	20050425	20130424
63445	33C07	52.70	6	3	20050425	20130424
63446	33C07	52.70	6	4	20050425	20130424
63447	33C07	52.70	6	5	20050425	20130424
63448	33C07	52.70	6	6	20050425	20130424
63449	33C07	52.70	6	7	20050425	20130424
63450	33C07	52.70	6	8	20050425	20130424
63451	33C07	52.70	6	9	20050425	20130424
63452	33C07	52.70	6	10	20050425	20130424
63453	33C07	52.70	6	11	20050425	20130424
63454	33C07	52.70	6	12	20050425	20130424
63455	33C07	52.70	6	13	20050425	20130424
63456	33C07	52.70	6	14	20050425	20130424
63457	33C07	52.70	6	15	20050425	20130424
63458	33C07	52.70	6	16	20050425	20130424
63459	33C07	52.70	6	17	20050425	20130424
63460	33C07	52.69	7	1	20050425	20130424
63461	33C07	52.69	7	2	20050425	20130424
63462	33C07	52.69	7	3	20050425	20130424
63463	33C07	52.69	7	4	20050425	20130424
63464	33C07	52.69	7	5	20050425	20130424
63465	33C07	52.69	7	6	20050425	20130424
63466	33C07	52.69	7	7	20050425	20130424
63467	33C07	52.69	7	8	20050425	20130424
63468	33C07	52.69	7	9	20050425	20130424
63469	33C07	52.69	7	10	20050425	20130424
63470	33C07	52.69	7	11	20050425	20130424
63471	33C07	52.69	7	12	20050425	20130424
63472	33C07	52.69	7	13	20050425	20130424
63473	33C07	52.69	7	14	20050425	20130424
63474	33C07	52.69	7	15	20050425	20130424
63475	33C07	52.69	7	16	20050425	20130424
63476	33C07	52.69	7	17	20050425	20130424
63492	33C07	52.68	8	16	20050425	20130424
63493	33C07	52.68	8	17	20050425	20130424
63509	33C07	52.67	9	16	20050425	20130424
63510	33C07	52.67	9	17	20050425	20130424
63511	33C07	52.67	9	20	20050425	20130424
63512	33C07	52.67	9	21	20050425	20130424
63528	33C07	52.66	10	16	20050425	20130424
63529	33C07	52.66	10	17	20050425	20130424
63530	33C07	52.66	10	18	20050425	20130424
63531	33C07	52.66	10	19	20050425	20130424
63925	33C07	52.75	1	15	20050425	20130424
63926	33C07	52.75	1	16	20050425	20130424
63927	33C07	52.75	1	17	20050425	20130424
63928	33C07	52.75	1	18	20050425	20130424
63929	33C07	52.75	1	19	20050425	20130424
63930	33C07	52.75	1	20	20050425	20130424
63931	33C07	52.75	1	21	20050425	20130424
63932	33C07	52.75	1	22	20050425	20130424
63933	33C07	52.74	2	12	20050425	20130424
63934	33C07	52.74	2	13	20050425	20130424
63935	33C07	52.74	2	14	20050425	20130424
63936	33C07	52.74	2	15	20050425	20130424
63937	33C07	52.74	2	16	20050425	20130424

Claim No	NTS	Surface (ha)	Row	Column	Recording Date	Expiration Date
63938	33C07	52.74	2	17	20050425	20130424
63939	33C07	52.74	2	18	20050425	20130424
63940	33C07	52.74	2	19	20050425	20130424
63941	33C07	52.73	3	10	20050425	20130424
63942	33C07	52.73	3	11	20050425	20130424
63943	33C07	52.73	3	12	20050425	20130424
63944	33C07	52.73	3	13	20050425	20130424
63945	33C07	52.73	3	14	20050425	20130424
63946	33C07	52.72	4	8	20050425	20130424
63947	33C07	52.72	4	9	20050425	20130424
63948	33C07	52.72	4	10	20050425	20130424
63949	33C07	52.72	4	11	20050425	20130424
63950	33C07	52.72	4	12	20050425	20130424
63951	33C07	52.72	4	13	20050425	20130424
63952	33C07	52.72	4	14	20050425	20130424
63953	33C02	52.76	30	17	20050427	20130426
63954	33C02	52.76	30	18	20050427	20130426
63955	33C02	52.76	30	19	20050427	20130426
63956	33C02	52.76	30	20	20050427	20130426
63957	33C02	52.76	30	21	20050427	20130426
63958	33C02	52.76	30	22	20050427	20130426
63959	33C02	52.76	30	23	20050427	20130426
63960	33C02	52.77	29	19	20050427	20130426
63961	33C02	52.77	29	20	20050427	20130426
63962	33C02	52.77	29	21	20050427	20130426
63963	33C02	52.77	29	22	20050427	20130426
63964	33C02	52.77	29	23	20050427	20130426
63965	33C02	52.78	28	19	20050427	20130426
63966	33C02	52.78	28	20	20050427	20130426
63967	33C02	52.78	28	21	20050427	20130426
63968	33C02	52.78	28	22	20050427	20130426
63969	33C02	52.78	28	23	20050427	20130426
63970	33C02	52.77	28	24	20050427	20130426
63971	33C02	52.77	28	25	20050427	20130426
63972	33C02	52.77	28	26	20050427	20130426
63973	33C02	52.77	28	27	20050427	20130426
63974	33C02	52.77	28	28	20050427	20130426
63975	33C02	52.77	28	29	20050427	20130426
63976	33C02	52.77	28	30	20050427	20130426
63977	33C02	52.79	27	21	20050427	20130426
63978	33C02	52.79	27	22	20050427	20130426
63979	33C02	52.78	27	23	20050427	20130426
63980	33C02	52.78	27	24	20050427	20130426
63981	33C02	52.78	27	25	20050427	20130426
63982	33C02	52.78	27	26	20050427	20130426
63983	33C02	52.78	27	27	20050427	20130426
63984	33C02	52.78	27	28	20050427	20130426
63985	33C02	52.78	27	29	20050427	20130426
63986	33C02	52.78	27	30	20050427	20130426
63987	33C02	52.78	27	31	20050427	20130426
63988	33C02	52.78	27	32	20050427	20130426
63989	33C02	52.78	27	33	20050427	20130426
63990	33C02	52.78	27	34	20050427	20130426
63991	33C02	52.78	27	35	20050427	20130426
63992	33C02	52.78	27	36	20050427	20130426
63993	33C02	52.78	27	47	20050427	20130426
63994	33C02	47.46	27	48	20050427	20130426

Claim No	NTS	Surface (ha)	Row	Column	Recording Date	Expiration Date
63995	33C02	19.37	27	49	20050427	20130426
63996	33C02	52.80	26	21	20050427	20130426
63997	33C02	52.79	26	22	20050427	20130426
63998	33C02	52.79	26	23	20050427	20130426
63999	33C02	52.79	26	24	20050427	20130426
64000	33C02	52.79	26	25	20050427	20130426
64001	33C02	52.79	26	26	20050427	20130426
64002	33C02	52.79	26	27	20050427	20130426
64003	33C02	52.79	26	28	20050427	20130426
64004	33C02	52.79	26	29	20050427	20130426
64005	33C02	52.79	26	30	20050427	20130426
64006	33C02	52.79	26	31	20050427	20130426
64007	33C02	52.79	26	32	20050427	20130426
64008	33C02	52.79	26	33	20050427	20130426
64009	33C02	52.79	26	34	20050427	20130426
64010	33C02	52.79	26	35	20050427	20130426
64011	33C02	52.79	26	36	20050427	20130426
64012	33C02	52.79	26	37	20050427	20130426
64013	33C02	52.79	26	41	20050427	20130426
64014	33C02	52.79	26	42	20050427	20130426
64015	33C02	52.79	26	43	20050427	20130426
64016	33C02	52.79	26	44	20050427	20130426
64017	33C02	52.79	26	45	20050427	20130426
64018	33C02	52.79	26	46	20050427	20130426
64019	33C02	52.79	26	47	20050427	20130426
64020	33C02	52.79	26	48	20050427	20130426
64021	33C02	50.80	26	49	20050427	20130426
64022	33C02	52.80	25	27	20050427	20130426
64023	33C02	52.80	25	28	20050427	20130426
64024	33C02	52.80	25	29	20050427	20130426
64025	33C02	52.80	25	30	20050427	20130426
64026	33C02	52.80	25	35	20050427	20130426
64027	33C02	52.80	25	36	20050427	20130426
64028	33C02	52.80	25	37	20050427	20130426
64029	33C02	52.80	25	38	20050427	20130426
64030	33C02	52.80	25	41	20050427	20130426
64031	33C02	52.80	25	42	20050427	20130426
64032	33C02	52.80	25	43	20050427	20130426
64033	33C02	52.80	25	44	20050427	20130426
64034	33C02	52.80	25	45	20050427	20130426
64035	33C02	52.80	25	46	20050427	20130426
64036	33C02	52.80	25	47	20050427	20130426
64037	33C02	52.80	25	48	20050427	20130426
64038	33C02	52.80	25	49	20050427	20130426
64039	33C02	24.88	25	50	20050427	20130426
64040	33C02	52.81	24	27	20050427	20130426
64041	33C02	52.81	24	28	20050427	20130426
64042	33C02	52.81	24	29	20050427	20130426
64043	33C02	52.81	24	30	20050427	20130426
64044	33C02	52.81	24	38	20050427	20130426
64045	33C02	52.81	24	39	20050427	20130426
64046	33C02	52.81	24	43	20050427	20130426
64047	33C02	52.81	24	44	20050427	20130426
64048	33C02	52.81	24	45	20050427	20130426
64049	33C02	52.81	24	46	20050427	20130426
64050	33C02	52.81	24	47	20050427	20130426
64051	33C02	52.81	24	48	20050427	20130426

Claim No	NTS	Surface (ha)	Row	Column	Recording Date	Expiration Date
64052	33C02	52.81	24	49	20050427	20130426
64053	33C02	52.81	24	50	20050427	20130426
64054	33C02	52.82	23	27	20050427	20130426
64055	33C02	52.82	23	28	20050427	20130426
64056	33C02	52.82	23	29	20050427	20130426
64057	33C02	52.82	23	30	20050427	20130426
64058	33C02	52.82	23	47	20050427	20130426
64059	33C02	52.82	23	48	20050427	20130426
64060	33C02	52.82	23	49	20050427	20130426
64061	33C02	52.82	23	50	20050427	20130426
64062	33C02	52.83	22	47	20050427	20130426
64063	33C02	52.83	22	48	20050427	20130426
64064	33C02	52.83	22	49	20050427	20130426
64065	33C02	52.83	22	50	20050427	20130426
64066	33C02	52.84	21	48	20050427	20130426
64067	33C02	52.84	21	49	20050427	20130426
64068	33C02	52.84	21	50	20050427	20130426
64185	33C02	52.82	23	51	20050509	20150508
64186	33C02	52.82	23	52	20050509	20150508
64187	33C02	52.82	23	53	20050509	20150508
64188	33C02	52.82	23	54	20050509	20150508
64189	33C02	52.83	22	51	20050509	20150508
64190	33C02	52.83	22	52	20050509	20150508
64191	33C02	52.83	22	53	20050509	20150508
64192	33C02	52.83	22	54	20050509	20150508
64193	33C02	52.83	22	55	20050509	20150508
64194	33C02	52.83	22	56	20050509	20150508
64195	33C02	52.83	22	57	20050509	20150508
64196	33C02	52.83	22	58	20050509	20150508
64197	33C02	52.84	21	51	20050509	20150508
64198	33C02	52.84	21	52	20050509	20150508
64199	33C02	52.84	21	53	20050509	20150508
64200	33C02	52.84	21	54	20050509	20150508
64201	33C02	52.84	21	55	20050509	20150508
64202	33C02	52.84	21	56	20050509	20150508
64203	33C02	52.85	20	49	20050509	20150508
64204	33C02	52.85	20	50	20050509	20150508
64205	33C02	52.85	20	51	20050509	20150508
64206	33C02	52.85	20	52	20050509	20150508
64207	33C02	52.85	20	53	20050509	20150508
64208	33C02	52.86	19	51	20050509	20150508
64209	33C02	52.86	19	52	20050509	20150508
90441	33C02	52.81	24	54	20050919	20130918
90442	33C02	41.23	25	51	20050919	20130918
90443	33C02	52.80	25	52	20050919	20130918
90444	33C02	52.80	25	53	20050919	20130918
90445	33C02	52.80	25	54	20050919	20130918
90446	33C02	52.81	24	51	20050919	20130918
90447	33C02	52.81	24	52	20050919	20130918
90448	33C02	52.81	24	53	20050919	20130918

Appendix 2 : Légende générale de la carte géologique (extract of MB96-28)

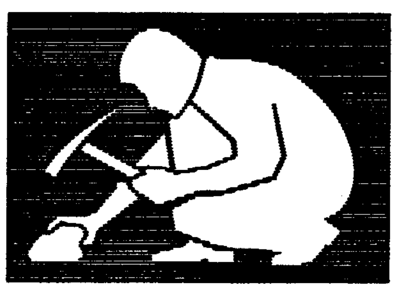
Gouvernement du Québec
Ministère des Ressources naturelles
Direction de la géologie

Légende générale de la carte géologique

- Édition revue et augmentée -

Kamal N.M. Sharma
coordonnateur

SIGÉOM
Système d'information géominière du Québec



SÉRIE DES MANUSCRITS BRUTS

MB 96-28

Tableau 5 — Roches felsiques / acides

ROCHES FELSIQUES / ACIDES 1			
I1 ROCHES INTRUSIVES FELSIQUES		**ROCHES VOLCANIQUES FELSIQUES**	**V1**
I1A Granite à feldspath alcalin	←	→ Rhyolite à feldspath alcalin	**V1A**
I1B Granite	←	→ Rhyolite	**V1B**
I1C Granodiorite	←	→ Rhyodacite	**V1C**
I1D Tonalite	←	→ Dacite	**V1D**
I1E Trondhjémite		Rhyolite comenditique	**V1BC**
I1F Aplite		Rhyolite pantellléritique	**V1BP**
I1G Pegmatite (granitique)		Trachydacite	**V1E**
I1H Granophyre			
I1I Granitoïde riche en quartz			
I1J Quartzolite (silexite)			
I1K Alaskite			
I1L Syéno-granite			
I1M Monzo-granite			
I1N Filon / veine de quartz			
I1O Granite à feldspath alcalin avec hypersthène (charnockite à feldspath alcalin)			
I1P Granite à hypersthène (charnockite)			
I1Q Syéno-granite à hypersthène			
I1R Monzo-granite à hypersthène (farsundite)			
I1S Granodiorite à hypersthène (opdalite ou charno-enderbite			
I1T Tonalite à hypersthène (enderbite)			

←→ indique les termes intrusifs et volcaniques équivalents

Tableau 6 — Roches intermédiaires

ROCHES INTERMÉDIAIRES 2					
I2	**ROCHES INTRUSIVES INTERMÉDIAIRES**			**ROCHES VOLCANIQUES INTERMÉDIAIRES**	**V2**
I2A	Syénite quartzifère à feldspath alcalin	←	→	Trachyte quartzifère à feldspath alcalin	**V2A**
I2B	Syénite à feldspath alcalin	←	→	Trachyte à feldspath alcalin	**V2B**
I2C	Syénite quartzifère	←	→	Trachyte quartzifère	**V2C**
I2D	Syénite	←	→	Trachyte	**V2D**
I2E	Monzonite quartzifère	←	→	Latite quartzifère	**V2E**
I2F	Monzonite	←	→	Latite	**V2FL**
I2G	Monzodiorite quartzifère	←	→	(Andésite)	**(V2J)**
I2H	Monzodiorite	←	→	(Andésite)	**(V2J)**
I2I	Diorite quartzifère	←	→	(Andésite)	**(V2J)**
I2J	Diorite	←	→	Andésite	**V2J**
I2K	Monzosyénite			Icelandite	**V2JI**
I2BR	Syénite foïdifère à feldspath alcalin			Trachyte foïdifère à feldspath alcalin	**V2BR**
I2DR	Syénite foïdifère			Trachyte foïdifère	**V2DR**
I2DF	Syénite foïdique			Phonolite	**V2G**
I2KF	Monzosyénite foïdique			Phonolite téphritique	**V2GT**
I2FR	Monzonite foïdifère			Latite foïdifère	**V2LR**
I2HR	Monzodiorite foïdifère			Trachyandesite	**V2F**
I2HF	Monzodiorite foïdique			Benmoreïte	**V2FB**
I2JR	Diorite foïdifère			Trachyte comenditique	**V2DC**
I2JF	Diorite foïdique			Trachyte pantelléritique	**V2DP**
I2M	Syénite à feldspath alcalin avec hypersthène				
I2N	Syénite à hypersthène				
I2O	Monzonite à hypersthène (mangérite)				
I2P	Monzodiorite à hypersthène (jotunite)				
I2Q	Diorite à hypersthène				

←→ indique les termes intrusifs et volcaniques équivalents

Foïdifère : Feldspathoïdifère

Foïdique : Feldspathoïdique

Tableau 7 — Roches mafiques / basiques

ROCHES MAFIQUES / BASIQUES 3			
I3	**ROCHES INTRUSIVES MAFIQUES**	**ROCHES VOLCANIQUES MAFIQUES**	**V3**
I3A	Gabbro	Basalte andésitique/Andésite basaltique	**V3A**
I3B	Diabase	Icelandite basaltique	**V3AI**
I3C	Monzogabbro	Basalte	**V3B**
I3D	Ferrogabbro	Basalte à quartz	**V3C**
I3E	Gabbro à quartz	Trachybasalte	**V3D**
I3F	Diabase à quartz	Hawaiite	**V3DH**
I3G	Anorthosite	Trachybasalte potassique	**V3DK**
I3H	Anorthosite gabbroïque	Basalte à olivine	**V3E**
I3I	Gabbro anorthositique	Basalte magnésien (> 9 % MgO)	**V3F**
I3J	Norite	Trachyandésite basaltique	**V3G**
I3P	Leuconorite	Mugéarite	**V3GM**
I3K	Gabbro à olivine	Shoshonite	**V3GS**
I3L	Norite à olivine	Basanite	**V3H**
I3M	Diabase à olivine	Basanite phonolitique	**V3HP**
I3N	Troctolite	Téphrite	**V3I**
I3O	Lamprophyre mafique	Téphrite phonolitique	**V3IP**
I3OM	Minette	Boninite	**V3J**
I3OK	Kersantite		
I3OV	Vogesite		
I3OS	Spessartite		
I3CQ	Monzogabbro quartzifère		
I3CR	Monzogabbro foïdifère		
I3CF	Monzogabbro foïdique		
I3AR	Gabbro foïdifère		
I3AF	Gabbro foïdique		
I3GQ	Anorthosite quartzifère		
I3GR	Anorthosite foïdifère		
I3Q	Gabbronorite		
I3R	Gabbronorite à olivine		
I3S	Monzonorite		
I3T	Anorthosite à hypersthène		

Tableau 8 – Roches ultramafiques et ultrabasiques

ROCHES ULTRAMAFIQUES ET ULTRABASIQUES 4			
I4	ROCHES INTRUSIVES ULTRAMAFIQUES / ULTRABASIQUES	ROCHES VOLCANIQUES ULTRAMAFIQUES / ULTRABASIQUES	V4
I4A	Hornblendite	Komatiite (> 18 % MgO)	**V4A**
I4B	Pyroxénite		
I4C	Clinopyroxénite	Komatiite pyroxénitique	**V4B**
I4D	Webstérite		
I4E	Orthopyroxénite	Komatiite péridotitique	**V4C**
I4F	Clinopyroxénite à olivine		
I4G	Webstérite à olivine	Komatiite dunitique	**V4D**
I4H	Orthopyroxénite à olivine		
I4I	Péridotite	Meimechite	**V4E**
I4J	Wehrlite		
I4K	Lherzolite	Melilitite	**V4F**
I4L	Harzburgite		
I4M	Dunite	Melilitite à olivine	**V4FO**
I4N	Serpentinite		
I4O	Lamprophyre ultramafique	Roche volcanique ultramafique à melilite	**V4M**
I4OS	Sannaïte		
I4OC	Camptonite	Picrobasalte	**V4G**
I4OM	Monchiquite		
I4OP	Polzenite	Picrite	**V4H**
I4OA	Alnöite		
I4P	Kimberlite	Foïdite	**V4I**
I4PA	Kimberlite (groupe I)		
I4PB	Kimberlite (groupe II)	Néphélinite	**V4IN**
I4Q	Carbonatite		
I4QM	Magnésiocarbonatite	Foïdite phonolitique	**V4IP**
I4QC	Calciocarbonatite		
I4QF	Ferrocarbonatite	Foïdite téphritique	**V4IT**
I4QA	Aillikites		
I4QD	Damtjernites (Damkjernites)		
I4R	Lamproïte		
I4S	Foïdolite		
I4T	Melilitolite		

< 10 % de plagioclase (PG) est toléré dans les roches ultramafiques. Lorsque observé, indiquer sa présence par «PG».

Tableau 9 — Volcanites explosives

VOLCANITES EXPLOSIVES		
$\blacktriangledown$	Pyroclastites/tuf - indifférenciés	**TU**
$\blacktriangledown_{x}$	Tuf à cristaux	**TX**
$\blacktriangledown_{r}$	Tuf lithique	**TI**
$\blacktriangledown_{l}$	Tuf à lapilli	**TL**
$\blacktriangledown_{ls}$	Lapillistone	**TO**
$\blacktriangledown_{b}$	Tuf à blocs	**TM**
$\blacktriangledown_{lb}$	Tuf à lapilli et à blocs	**TY**
$\blacktriangledown_{bl}$	Tuf à blocs et à lapilli	**TZ**
$\blacktriangledown_{e}$	Tuf à cendres	**TD**
$\blacktriangledown_{c}$	Tuf cherteux	**TC**
$\blacktriangledown_{g}$	Tuf graphiteux	**TG**
$\blacktriangledown_{s}$	Tuf soudé	**TS**
$\blacktriangledown_{h}$	Hyalotuf (Vitric tuff)	**TH**
♦	Brèche pyroclastique	**BP**
∇	Volcanoclastites*	**VC**
	etc.	

<u>Fragments</u>

◒ Polygéniques

◡ Monogéniques

<u>Exemples</u> :

V2$\blacktriangledown_{x}$PG	Tuf intermédiaire, à cristaux de PG
V2$\blacktriangledown_{lb}$◡	Tuf intermédiaire, à lapilli et à blocs, monogénique
VID$\blacktriangledown_{b}$◡	Tuf dacitique, à blocs, monogénique
V$\blacktriangledown_{c}$	Tuf cherteux
V$\blacktriangledown$	Tuf indifférencié

* Il est recommandé de limiter l'utilisation du terme «**volcanoclastite**», autant que possible.

Tableau 15 — Codification lithologique des sédiments

S SÉDIMENTS (roches sédimentaires indéterminées)

S1 GRÈS (terme général comprenant les arénites et les wackes)

S1A Grès quartzitique
S1B Grès feldspathique
S1C Arkose
S1D Grès arkosique
S1E Grès lithique
S1F Grès lithique subfeldspathique

S2 ARÉNITE

S2A Arénite quartzitique
S2B Subarkose
S2C Arkose
S2D Arénite arkosique
S2E Arénite lithique
S2F Sublitharénite

S3 WACKE

S3A Wacke quartzitique

S3C Wacke arkosique
S3D Wacke feldspathique
S3E Wacke lithique

S4 CONGLOMÉRAT

S4A Conglomérat monogénique
S4B Conglomérat monogénique «clast-supported»
S4C Conglomérat monogénique «matrix-supported»
S4D Conglomérat polygénique
S4E Conglomérat polygénique «clast-supported»
S4F Conglomérat polygénique «matrix-supported»
S4G Conglomérat intraformationnel
S4H Conglomérat intraformationnel «clast-supported»
S4I Conglomérat intraformationnel «matrix-supported»
S4J Tillite

N.B. — Il est recommandé de limiter l'utilisation des termes de la série **S1**. Ces termes généraux ne sont utilisés que lorsqu'il n'est pas possible d'être plus précis, notamment lors de la compilation de données anciennes.

S5 BRÈCHE

S5A Brèche monogénique
S5B Brèche monogénique «clast-supported»
S5C Brèche monogénique «matrix-supported»
S5D Brèche polygénique
S5E Brèche polygénique «clast-supported»
S5F Brèche polygénique «matrix-supported»
S5G Brèche intraformationnel
S5H Brèche intraformationnel «clast-supported»
S5I Brèche intraformationnel «matrix-supported»

S6 MUDROCK

S6A Siltstone
S6B Siltshale
S6C Siltslate
S6D Mudstone
S6E Mudshale
S6F Mudslate
S6G Claystone
S6H Clayshale
S6I Clayslate

S7 CALCAIRE

S7A Calcilutite
S7B Calcisiltite
S7C Calcarénite
S7D Calcirudite
S7E Mudstone
S7F Wackestone
S7G Packstone
S7H Grainstone
S7I Boundstone
S7J Bafflestone
S7K Rudstone

S8 DOLOMIE

S8A Dololutite
S8B Dolosiltite
S8C Dolarénite
S8D Dolorudite

S9 FORMATION DE FER

S9A Formation de fer indéterminée
S9B Formation de fer oxydée
S9C Formation de fer carbonatée
S9D Formation de fer silicatée
S9E Formation de fer sulfurée

S10 CHERT

S10A Chert oxydé
S10B Chert carbonaté
S10C Chert silicaté
S10D Chert sulfuré
S10E Chert graphiteux/carboné
S10F Chert ferrugineux
SI0J Jaspe (Jaspilite)

S11 EXHALITE

S12 ÉVAPORITE

S12A Halite
S12B Sylvite
S12C Anhydrite
S12D Gypse
S12E Sulfate

S13 PHOSPHORITE

SYMBOLES POUR ROCHES SÉDIMENTAIRES

Une liste des symboles pour les structures et textures des roches sédimentaires est présentée dans le tableau 16. Pour se bien familiariser avec l'utilisation de ces symboles, et pour d'autres symboles utilisés pour les roches sédimentaires, se référer à Bouma (1962) et Tassé, Lajoie et Dimroth (1978).

Tableau 17A — Roches métamorphiques et tectoniques

ROCHES MÉTAMORPHIQUES ET TECTONIQUES M		
M1 Gneiss	**M18** Cornéenne	
M2 Gneiss rubané	**M20** Métatexite	spécifier le % du mobilisat et identifier la protolite
M3 Orthogneiss	**M21** Diatexite	
M4 Paragneiss	**M21A** Granite d'anatexie	
M5 Gneiss quartzofeldspathique	**M22** Migmatite	
M6 Gneiss granitique	**M23** Agmatite	
M7 Granulite (gneiss granulitique)	**M24** Cataclasite*	
M8 Schiste	**M25** Mylonite*	
M9 Orthoschiste	**M26** Brèche tectonique*	
M10 Paraschiste		
M11 Phyllade		
M12 Quartzite		
M13 Marbre (calcaire cristallin)	**M30** Tourmalinite	
M14 Roche calco-silicatée	**M31** Coticule	
M15 Roche métasomatique (incluant skarn ou tactite)		
M16 Amphibolite		
M17 Éclogite		

* Utiliser plutôt les codes de tectonites (T). Ces codes ont été utilisés avant l'introduction de la classe des tectonites.

Tableau 17B — Tectonites

TECTONITES T	
T1	Cataclasite
T1A	Brèche de faille
T1B	Microbrèche de faille
T1C	Gouge de faille
T1D	Pseudotachylite
T1E	Mylolisthénite
T1F	Brèche d'impact
T1G	Impactite
T2	Mylonite
T2A	Protomylonite
T2B	Orthomylonite
T2C	Ultramylonite
T2D	Phyllonite
T2E	Blastomylonite
T3A	Gneiss droit («Straight gneiss»)
T3B	Gneiss porphyroclastique
T3C	Gneiss régulier
T3D	Gneiss irrégulier
T4	Brèche tectonique
T4A	Mélange tectonique
T4B	Brèche tectonique à matrice de marbre («Marble tectonic breccia»)

Tableau 18 — Codes mnémoniques des minéraux et des fossiles, et divers

CODES MNÉMONIQUES DES MINÉRAUX ET DES FOSSILES, ET DIVERS

CODES MNÉMONIQUES DES MINÉRAUX ET DES FOSSILES												GRANULOMÉTRIE ET λ : PLIS	
Acanthite	AV	Chondrodite	HR	Greenockite	GK	Minéraux radioactifs	MR	Serpentine	ST	FOSSILES	YY	...< 0.001 mm	1
Actinote	AC	Chromite	CM	Grenat	GR	Molybdénite	MO	Sidérite(sidérose)	SD	Brachiopodes	YB	A . 0.001-0.01 mm ..	
Aeschynite - (Y)	EC	Chrysocolle	CY	Grenat-almandin	GA	Molybdite(dine)	MB	Sidérotil	SI	Bryozoaires	YZ	...< 0.01 mm	2
Agate	AE	Chrysotile	CS	Grenat-andratite	GD	Monazite	MZ	Sillimanite	SM	Céphalopodes	YC	B . 0.01-0.05 mm	3
Aikinite	BP	Clevelandite	CI	Grenat-grossulaire	GG	Muscovite	MV	Smaltite/Smaltine	TW	Conulaires	YA	C .. 0.05-0.1 mm	3
Albite	AB	Clinopyroxène	CX	Grenat-pyrope	GY	Néphéline	NP	Samarskite	SK	Coraux	YX	D .. 0.1-0.2 mm	3
Allanite	AL	Clinozoïsite	CZ	Grenat spessartine	GS	Oligoclase	OG	Smithsonite	ZO	Crinoïdes	YR	...< 0.2 mm	4
Altaïte	TP	Cobaltite	CE	Grenat-uvarovite	GU	Olivine	OV	Sodalite	SS	Échinodermes	YD	E .. 0.2-0.5 mm	5
Amazonite	AI	Columbite/Niobite	NB	Grunérite	GN	Or natif (visible)	Au	Spécularite	HS	Éponges	YE	F .. 0.5-1.0 mm	5
Améthyste	AH	Columbo-tantalite	TO	Gummite	GB	Orthoclase (orthose)	OR	Sphalérite	SP	Gastéropodes	YT	G ... 1-2 mm	6
Amiante (Asbestos)	AO	Cordiérite	CD	Gunningite	GI	Orthopyroxène	OX	Sphène/Titanite	SN	Graptolites	YG	H ... 2-5 mm	6
Amphibole	AM	Corindon	CN	Gypse	GE	Ottrelite	OL	Spinelle	SL	Ostracodes	YO	J ... 0.5-1 cm	7
Andalousite	AD	Cosalite	PI	Halite	HL	Oxyde de fer	OF	Spodumène	SO	Pélécipodes	YP	K ... 1-3 cm	7
Andésine	AA	Covellite	CV	Heazlewoodite	HZ	Oxyhornblende		Staurotide	SU	Plantes	YN	... > 3 cm	8
Anhydrite	AY	Cubanite	CF	Hédenbergite	HG	(hornblende brune)	OH	Stéatite	TS	Poissons	YK	L	3-10 cm
Ankérite	AK	Cuivre natif (visible)	Cu	Hématite	HM	Paragonite	PE	Stibine/Stibnite	SB	Stromatoïdes	YS	M	10-30 cm
Annabergite	NG	Cummingtonite	CG	Hercynite	HC	Pechblende	PB	Stilbite(Heulandite)	HD	Stromatoporoïdes	YI	N	30-100 cm
Anorthite	AN	Cuprite	CU	Holmquistite	HK	Penninite/Pennine	PT	Stilpnomélane	SE	Traces fossiles	YF	P	1 m
Anthophyllite	AT	Digenite	DG	Hornblende	HB	Pentlandite	PD	Sulfures	SF	Trilobites	YL	Q	1-2 m
Antigorite	AR	Diopside	DP	Hypersthène	HP	Perovskite	PK	Sylvanite	SV			R	2-4 m
Apatite	AP	Disthène/Kyanite	KN	Iddingsite	IG	Perthite	PR	Szomolnokite	SZ	DIVERS		S	4-6 m
Argent natif (visible)	Ag	Dolomite	DM	Ilménite	IM	Petzite	PZ	Talc	TC	Bioclastes	XB	T	6-10 m
Arsénopyrite	AS	Dravite	TG	Jade	JA	Phénacite/Phénakite	PA	Tantalite	TN	Ciment	XC	U	10 m
Augite	AG	Dravite-Schorlite	DS	Jaspe	JP	Phlogopite	PH	Tellurobismuthite	TB	Hydrocarbures	XH	V	10-20 m
Autunite	AU	Electrum	EM	Kaolinite	KL	Pistachite	PC	Tennantite	TT	Liant	XL	W	20-50 m
Awaruite	NF	Enargite	EG	Klokmannite	KK	Plagioclase	PG	Tétradymite	TD	Lithoclastes	XR	Y	50-100 m
Axinite	AX	Enstatite	ES	Kornérupine	KP	Pollucite	ZP	Tetrahédrite	TH	Matière organique	XG	Z	100 m
Azurite	AZ	Epidote	EP	Krennerite	KR	Préhnite	PN	Thorianite	TR	Matrice	XM	X	Autres
Barytine	BR	Eudialyte	EU	Labradorite	LB	Pumpellyite	PP	Thorite	TI	Oncolites	XT		
Bastnaesite	BA	Euxénite - (Y)	EX	Lawsonite	LS	Pyrite	PY	Topaze	TZ	Oolites	XO		
Béryl	BL	Fayalite	FA	Lépidolite	LP	Pyrochlore	PM	Torbernite	TU	Pellets	XP		
Biotite	BO	Feldspath vert/brun	FV	Leucite	LC	Pyrolusite	PS	Tourmaline	TL	Péloïdes	XD		
Bismuthinite	BM	Feldspath	FP	Leucoxène	LX	Pyrophyllite	PL	Tourmaline zincifère	TA	Autres	XX		
Bismutite	BS	Feldspath noir	FN	Limonite	LM	Pyroxène	PX	Trémolite	TM				
Bornite	BN	Feldspath potassique	FK	Magnésite	MN	Pyrrhotite(Pyrrhotine)	PO	Uraninite	UR				
Boulangerite	BG	Feldspathoïde	FD	Magnétite	MG	Quartz	QZ	Uranophane	UP				
Brochantite	BH	Fergusonite	FS	Malachite	MC	Quartz bleu	QB	Uranothorite	UT				
Brucite	BC	Fibrolite	FB	Marcasite	MS	Riebeckite	RB	Vallerite	VL				
Bytownite	BT	Fluorite (fluorine)	FL	Mariposite	MT	Rozénite	RZ	Vermiculite	VR				
Calaverite	CA	Forstérite	FO	Mélilite	ME	Rutile	RL	Vésuvianite	VV				
Calcite	CC	Franklinite	FR	Mésoperthite	MP	Samarskite-(Y)	UL	Violarite	VO				
Carbonate	CB	Freibergite	FG	Mica	MI	Sanidine	SA	Willemite	WM				
Chabazite (Chabasite)	ZB	Fuchsite	FC	Microcline	ML	Sapphirine	SH	Wilsonite	WS				
Chalcocite(ne)	CT	Gahnite	GH	Millerite	NS	Scapolite	SC	Wolframite	WF				
Chalcopyrite	CP	Galène	GL	Minéraux argileux	MA	Scheelite	SW	Wollastonite	WL				
Chert	CH	Gédrite	GT	Minéraux décoratifs	MD	Schorlite(Schorl)	TF	Wulfenite	WN				
Chloanthite	CO	Glaucophane	GC	Minéraux lourds	MX	Sélénite	SG	Zéolite	ZL				
Chlorite	CL	Goethite	GO	Minéraux mafiques	MF	Sélénium	Se	Zincite	ZN				
Chloritoïde	CR	Graphite	GP	Minéraux opaques	OP	Séricite	SR	Zircon	ZC				
								Zoïsite	ZS				

Tableau 19 — Codes mnémoniques — Structures, textures et autres

CODES MNÉMONIQUES - STRUCTURES, TEXTURES ET AUTRES

STRUCTURES, TEXTURES ET AUTRES

Terme	Code
Aciculaire	AC
Adcumulat	AD
Affleurement caractérisé par le plissement	AA
Agmatitique	AT
Alaskitique	AL
Altéré	AE
Amas arrondis (globulaires)	AO
Amas irréguliers	AI
Amiboïdal(e)	AB
Amygdalaire	AM
Anastomosé	AN
Antirapakivi	AR
Aphanitique	AP
Arborescent	AS
Autoclastique	AU
Bancs (en)	BA
Bandes de cimentation	BM
Basal(e)	BS
Birds eyes	BE
Biseau	BI
Blocs (à)	BL
Bordure/limite de coulée	BU
Bothryoïdal	BV
Boudinage	BO
Brèche à coussins ordinaires isolés	BC
Brèche à coussins peu serrés	BG
Brèche à méga- coussins isolés	BF
Brèche à mini-coussins isolés	BB
Brèche de coulée/ brèche de lave	BQ
Brèche de coussins désagrégés/brisés	BH
Brèche de coussins fragmentés	BK
Brèche d'intrusion	BN
Brèche pyroclastique	BP
Bréchique/brèche	BR
Brèche tectonique	BT
Broyage	BY
Cailloux alignés «pebble stringers»	PK
Cailloux 4-64mm	CA
Cannelure	CN
Cataclastique	CQ
Cendres (à)	CE
Centre volcanique/ faciès proximal	VP
Cheminée d'alimentation (dyke nourricier)	DN
Cheminée volcanique	CV
Chenal	CH
Chenalisé	CG
Chenal d'érosion (à)	CD
Cisaillé(e)	CS
Colloforme	OL
Columnaire/(joints en colonnes)	JC
Concrétion(s) nodules	CC
Convolutions (à)	CB
Coronitique	KO
Coulée	CL
Coulée coussinée à noyaux saussuritisés	NC
Coulée fragmentée	FZ
Coulée massive	CK
Coulée massive à noyaux saussuritisés	NM
Coulée massive à surface coussinée	CZ
Coulées massives grenues et/ou parties basales grenues de coulées	CW
Coussiné (coussins)	CO
Coussins allongés	XP
Coussins aplatis	FP
Coussins en molaire	MD
Coussins fragmentés	CF
Coussins isolés	CI
Coussins jointifs	CJ
Crescumulat	CT
Cristalloblastique	CR
Cristaux (en)	CX
Cryptalgaire	CP
Cumulat (à)	CU
Cumulite	CM
Cupules («dish struc.»)	DS
Cyclique	CY
Dendritique	DT
Désagrégés/brisés	DG
Diabasique	DQ
Diablastique	DB
Diaclasé	DC
Direction d'écoulement de coulée	DE
Direction de courant	DR
Discordance	DD
Disséminé	DI
Drusique	DK
Dunes	DU
Échappement (structure d')	SB
Écharde	ED
Écoulement (structure d')	EO
Effondrement (structure d')	EF
Empreinte de cannelures	EL
Empreinte de charge («load cast»)	EC
Empreinte d'impact	EI
Enclave	EN
Encroûtement («crustification»)	EM
En échelon	EE
En festons	ES
En apophyse	AY
Épiclastique	EP
Équigranulaire	EQ
Excroissances	ER
Extrusif (ve)	EX
Faille intra-formationnelle	FJ
Faille synvolcanique	FV
Fentes de dessication	FD
Fente de refroidissement	FM
Fibreux (se)	FI
Fibroblastique	FB
Filonien	FN
Filons-couches cogénétiques (synvolcaniques)	FH
Flammes	FE
«Flaser»	FS
Flué, par fluage - fluidal	FL
Fluidal(e) (à structure)	FL
Flûte déformée par surcharge	FX
Flûte («flutecast»)	FT
Folié(e)	FO
Fossilifère	FF
Fracturé(e)	FA
Fractures radiales dans les coussins	FC
Fragmenté(e)	FG
Fragments allongés «monomictic»/ monogéniques	FW
Fragments allongés «polymictic»/ polygéniques	FU
Fragments aplatis «polymictic»/ polygéniques	FK
Fragments aplatis «monomictic»/ monogéniques	FQ
Framboïdal	RB
Frites («pencil structure») (en crayons)	FR
Galets (à) (64-256 mm)	GA
Géode	GE
Gloméroblastique	GB
Gloméroclastique	GC
Glomérocristallin(e)	GX
Gloméro-porphyrique	GH
Gneiss à crayons	NR
Gneiss droit («straight gneiss»)	GD
Gneissique	GS
Gradation densimétrique	GW
Gradation granulométrique	VG
Grains fins (à) -roches ignées < 1 mm	GF
Grains grossiers (à) - roches ignées > 5 mm	GG
Grains moyens (à) -roches ignées 1-5 mm	GM
Grains très fins	GT
Grains très grossiers	GO
Granoblastique	GR
Granoclassement inverse	GI
Granoclassement inverse suivi de normal	GJ
Granoclassement normal suivi d'inverse	GK
Granoclassement normal	GN
Granoclastique	GQ
Granophyrique	GY
Granules (à) (2-4 mm)	GU
Graphique	GP
Griffon	GV
«Harrisitic»	HA
Hélicitique	HE
Hétéradcumulat	HU
Hétéroblastique	HB
Hétérogène	HK
Hétérogranulaire	HG
Holocristallin(e)	HC
Holohyalin(e)	HH
Hololeucocrate	HL
Holomélanocrate	HM
Homéoblastique	HQ
Homogène	HJ
Homotactique	HT
Hyaloclastites	HY
Hyaloclastites remaniées	HR
Hyalopilitique	HP
Hyalotuf	TH
Hypidiomorphe	HD
Hypocristallin(e)	HX
Idiomorphe	ID
Imbrication de cailloux, blocs	IM
Imprégnation	IP
Intergranulaire	IG
Intersertale	IS
Intraclastes(à)	IT
Intraformationnel(le)	IR
Intrusif(ve)/ injection	IU
Iridescence	IC
Isolés	IL
Joints en colonnes	JC
Karstique	KR
Labradorescence	LU
Laminaire (laminé)	LA
Laminations convolutées	LC
Laminations cryptalgaires	CP
Laminations ondulantes	LO
Laminations ondulantes lenticulaires	LL
Laminations obliques	LQ
Laminations parallèles	LP
Lapillistone	TO
Lapilli (à)	LI
Lattes (en)	LT
Lave/coulée de lave	LV
Lave en blocs	LK
Lenticulaire	LE
Lépidoblastique	LF
Leucocrate	LX
Leucosome	LS
Lité(e), stratifié(e)	SA
Lits amalgamés	AG
Lits d'épaisseur moyenne (10 à 25 cm)	LN
Lits épais (>25 cm)	LG
Lits lenticulaires	LD
Lits minces (1-10 cm)	LM
Lobe	LB
Massif(ve)	MA
Mégacoussins (à)	MC
Mégaporphyrique	MP
Mélanocrate	MX
Mélanosome	MS
Mésocrate	MK
Mésocumulat	MF
Métamorphisé	ME
Miarolitique	ML
Micritique	MT
Microbrèche	MB
Microlitique	MI
Microporphyrique	MR
Minicoussins (à)	MU
Mobilisat	MZ
Monogénique «Monomictic»	MM
Mosaïque	MO
Mylonitique	MN
Myrmékitique	MY
Nébulitique	NB
Nématoblastique	NE
Néosome	NS
Nodulaire	NO
Noyaux	NY
Ocellaire	OC
Oeillé(e)	OE
Oikocryst (à)	OI
Oolitique	OO
Ophitique	OP
Orbiculaire	OR
Orthocumulat	OU
Paléosome	PS
Paléosurface d'érosion	PE
Panidiomorphe	PA
Patron d'interférence	PV
Pegmatitique	PG
Pellets (à)	PL
Péloïdes	PD
Perlitique	PT
Peu serrés («loosely packed»)	LR
Phanéritique	PH
Phénocristique	PI
Plis ptygmatiques	PZ
Plutonique	PU
Poecilitique	PC
Poeciloblastique	PB
Polygénique/ «Polymictic»	PM
Ponce	PN
Porphyre	PP
Porphyrique	PO
Porphyroblastique	PQ
Porphyroclastique	PJ
Prismatique	PX
Protoclastique	PF
Pyroclastique	PR
Radeaux (en)	RO
Rapakivique	RK
Remanié(e)	RN
Remplacement	RL
Réniforme	RF
Réticulé(e)	RE
Rides de courant	RC
Rides de plage	RP
«Rill mark(s)»	RM
«Rip-up clast(s)»	RI
Ruban de quartz	RQ
Rubané(e)	RU
Rubanement concentrique	RA
Rubanement de diffusion («Liesegang rings»)	LJ
Rubanement symétrique	RS
Rubanement tectonique	RT
Saccaroïdale (granoblastique)	SD
Schisteux	SC
«Schlieren»	SH
Scoriacé(e)	SR
«Shatter» cone	SV
«Slump»	SL
Sommital(e)	SM
Sphérolitique	SP
Spinifex (à)	SX
Stockwerk	SW
Stratifications entrecroisées de fosse	SF
Stratifications/ laminations obliques planaires	SN
Stratifications/ laminations obliques tangentielles	SQ
Stratifié(e)	ST
«Streaky» mafiques en trait	SG
Stratiforme/ stratifié	ST
Stratoïde («stratabound»)	SJ
Strie	SI
«Stromatic»	SK
Stromatolitique	SU
Structure de percement («piercement»)	ET
Structure «Durchbewegung»	DW
Structure en cocarde (crustification dans brèche, «cockade»)	PY
Structure en peigne («comb»)	PW
Stylolites	SY
Subophitique	SO
Surface d'érosion	SE
Tabulaire	TA
Talus (de)	TT
Tectonique	TE
Tectonite en L	YL
Tectonite en L/S	YZ
Tectonite en S	YS
Tectonite hétéroclastique	YH
Tectonite homoclastique	YM
Traces fossiles (trous de vers, etc.)	TF
Trachytique/ trachitoïde	TR
Trempe (de)	TP
Tuf à blocs	TM
Tuf à blocs et à lapilli	TZ
Tuf à cendre	TD
Tuf à cristaux	TX
Tuf à lapilli	TL
Tuf à lapilli et à blocs	TY
Tuf cherteux	TC
Tuf graphiteux	TG
Tuf lithique	TI
Tuf soudé	TS
Tufacé	TU
Turbidite (voir guide des géofiches)	TB
Variolitique	VA
Veiné(e)	VN
Vésiculaire	VE
Vitreux(se)	VI
Volcanique	VO
Volcanoclastites	VC
Xénoblastique	XB
Xénomorphe	XM
Autres	XX

SÉQUENCE : Q...

Terme	Code
Suite désor. de couches d'épaisseur inconstante	QA
Suite désor. de couches d'épaisseur constante	QB
Rythme régulier de couches d'épaisseur inconstante	QC
Rythme régulier de couches d'épaisseur constante	QD
Rythme irrégulier de couches d'épaisseur inconstante	QE
Rythme irrégulier de couches d'épaisseur constante	QF
Cycles complets	QG
Cycles incomplets	QH
Autre	QX

RELATION AVEC LE CORPS GÉOLOGIQUE ADJACENT : 0 À 9

Terme	Code
Interdigitation avec	0
Sus-jacent	1
Sous-jacent	2
En contact net avec	3
En contact diffus avec	4
En contact trans. avec	5
En contact discor. avec	6
Intrusif dans	7
En enclave dans	8
Autre	9

INFORMATION AVAILABLE UPON REQUEST
SUBMITTED TO VIRGINIA MINES INC.

info@minesvirginia.com

Toll free number: 800 476-1853

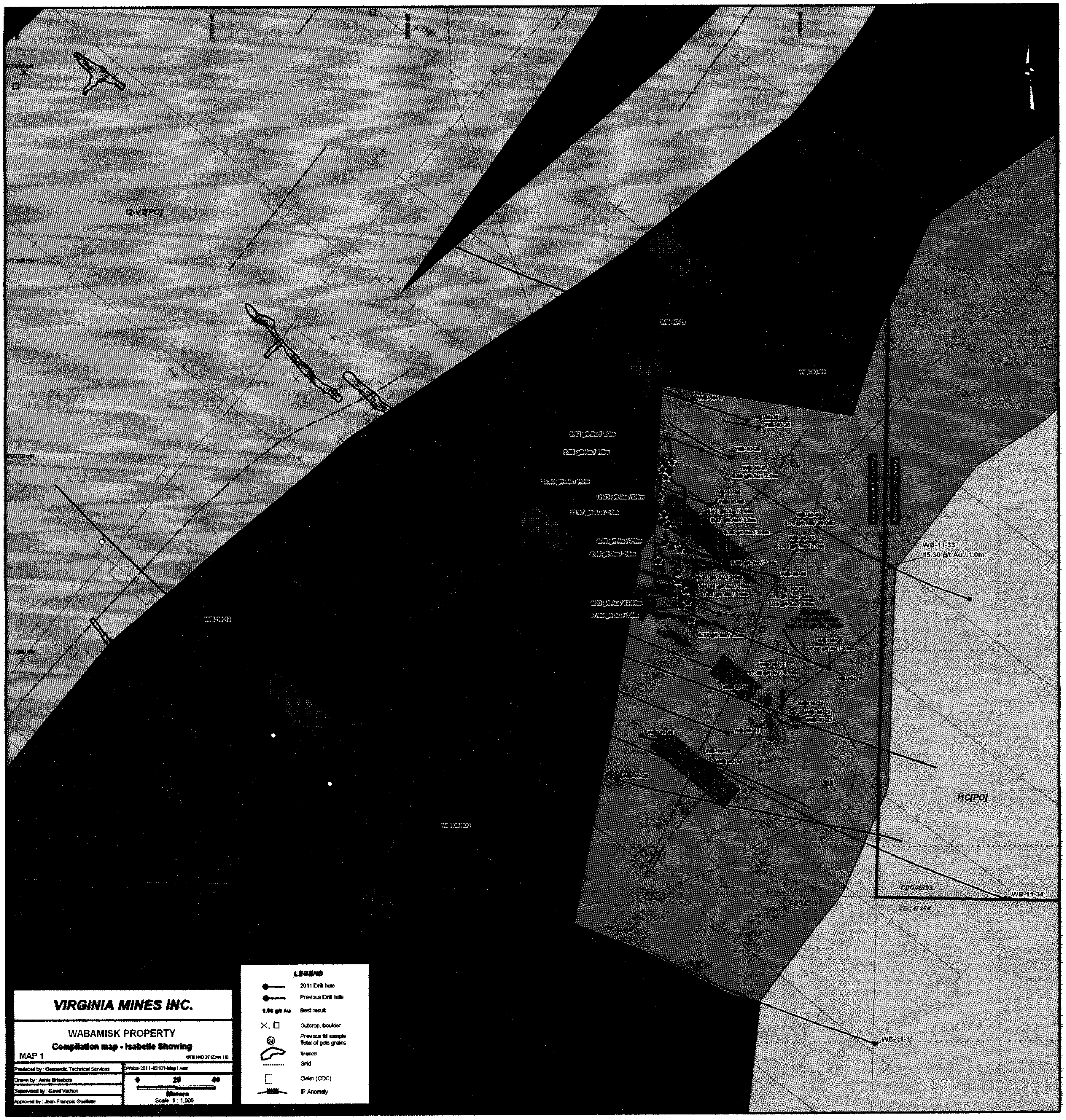
Appendix 3 : Drill Logs

INFORMATION AVAILABLE UPON REQUEST
SUBMITTED TO VIRGINIA MINES INC.

info@minesvirginia.com

Toll free number: 800 476-1853

Appendix 4 : Certificates of analysis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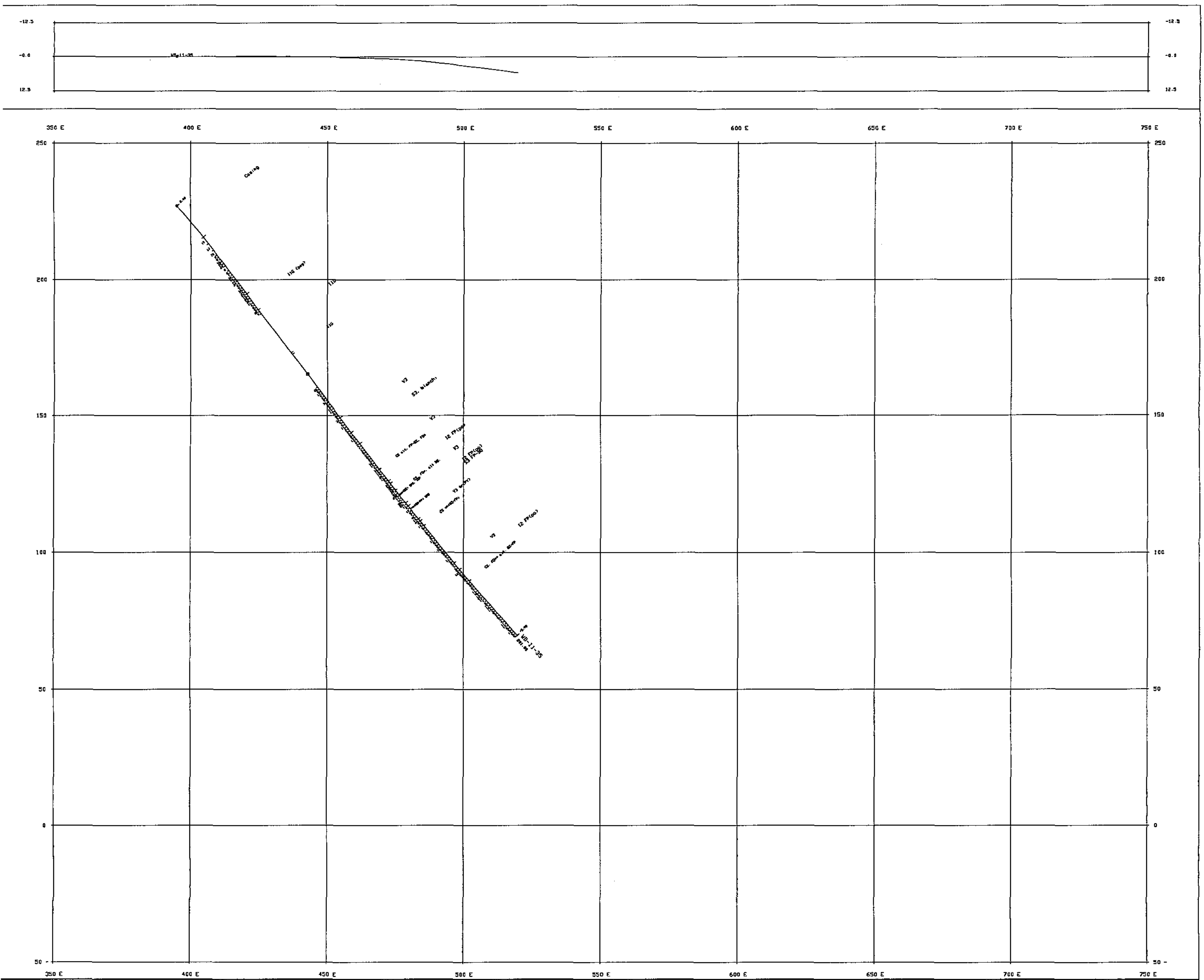
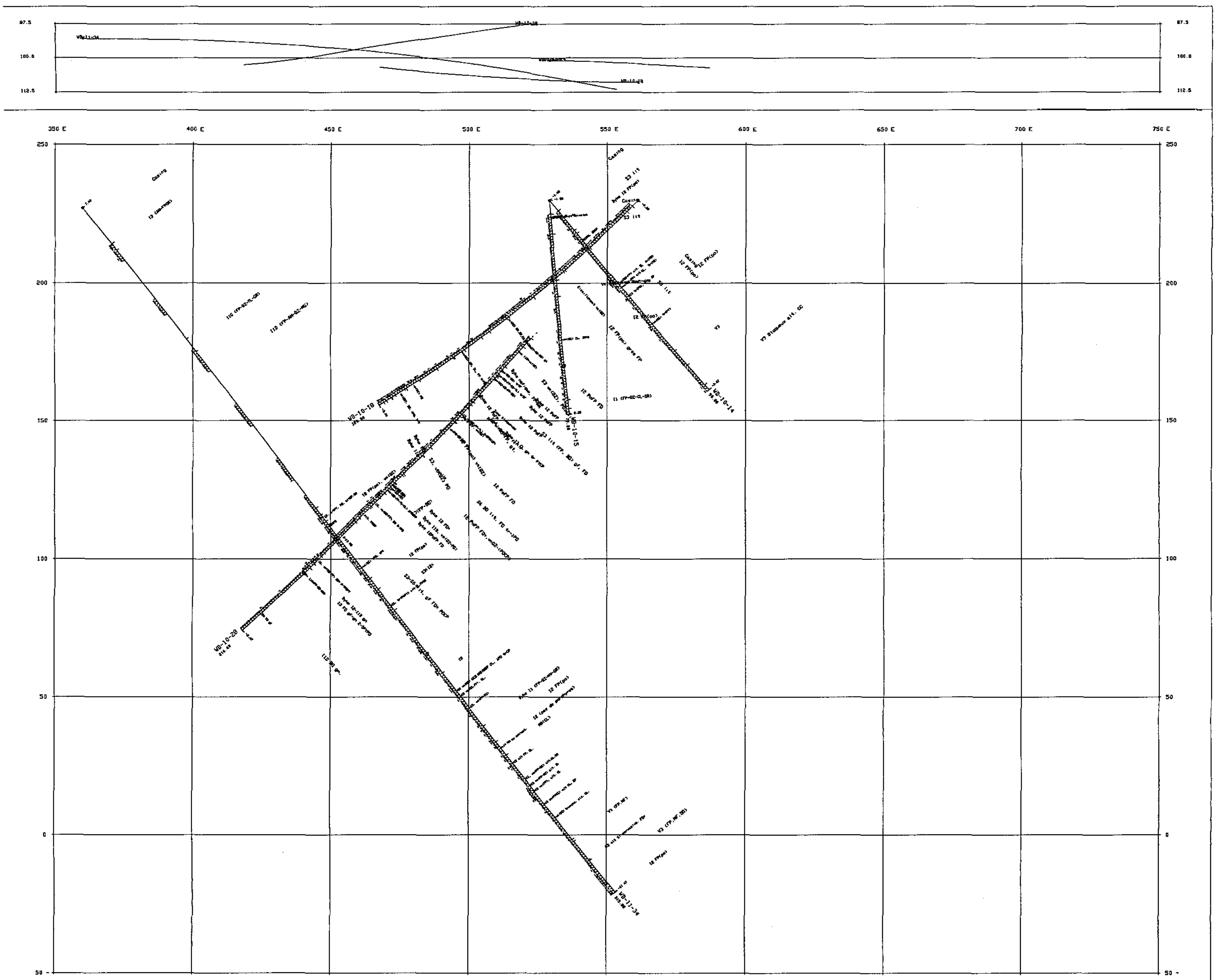
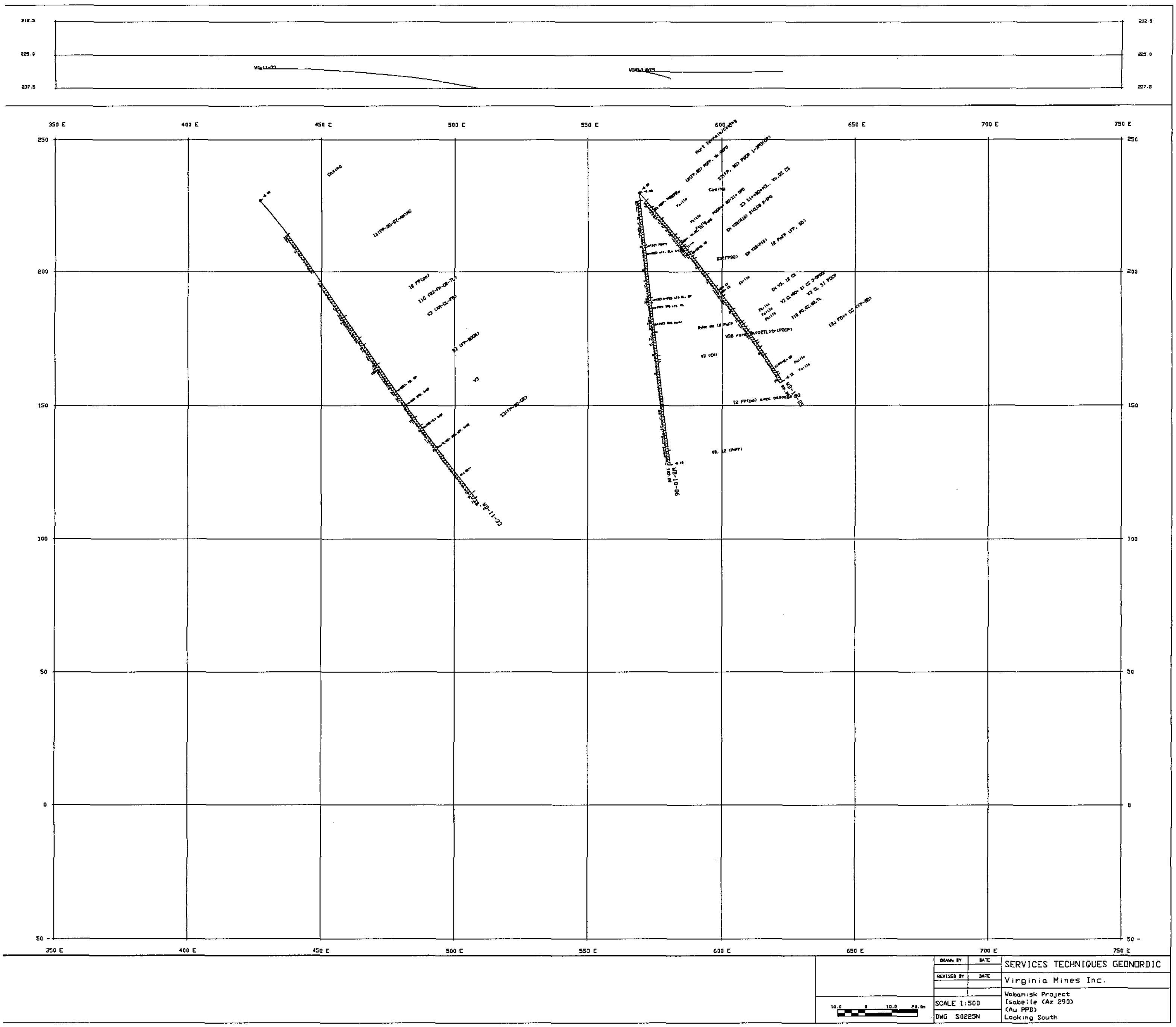
WB-11-33
15.30 g/t Au / 1.0m
I1C[PO]
WB-11-34
WB-11-35
LEGEND
2011 Drill hole
Previous Drill hole
Best result
Outcrop, boulder
Previous till sample
Total of gold grains
Trench
Grid
Claim (CDC)
IP Anomaly
VIRGINIA MINES INC.
WABAMISK PROPERTY
Compilation map - Isabelle Showing
MAP 1
Produced by : Geonordic Technical Services
Drawn by : Annie Brisebois
Supervised by : David Vachon
Approved by : Jean-François Ouellette
0 20 40
Meters
Scale 1 : 1,000



DRAWN BY	DATE	SERVICES TECHNIQUES GEONORDIC
REVISED BY	DATE	Virginia Mines Inc.
SCALE 1:500		Wabanisk Project Isabelle (Az 290) (Au PPB) Looking South
DWG S0000N		



DRAWN BY	DATE	SERVICES TECHNIQUES GEONORDIC
REVISED BY	DATE	Virginia Mines Inc.
SCALE 1:500		Wabanisk Project Isabelle (Az 290) (Au PPB)
DWG S0100N		Looking South



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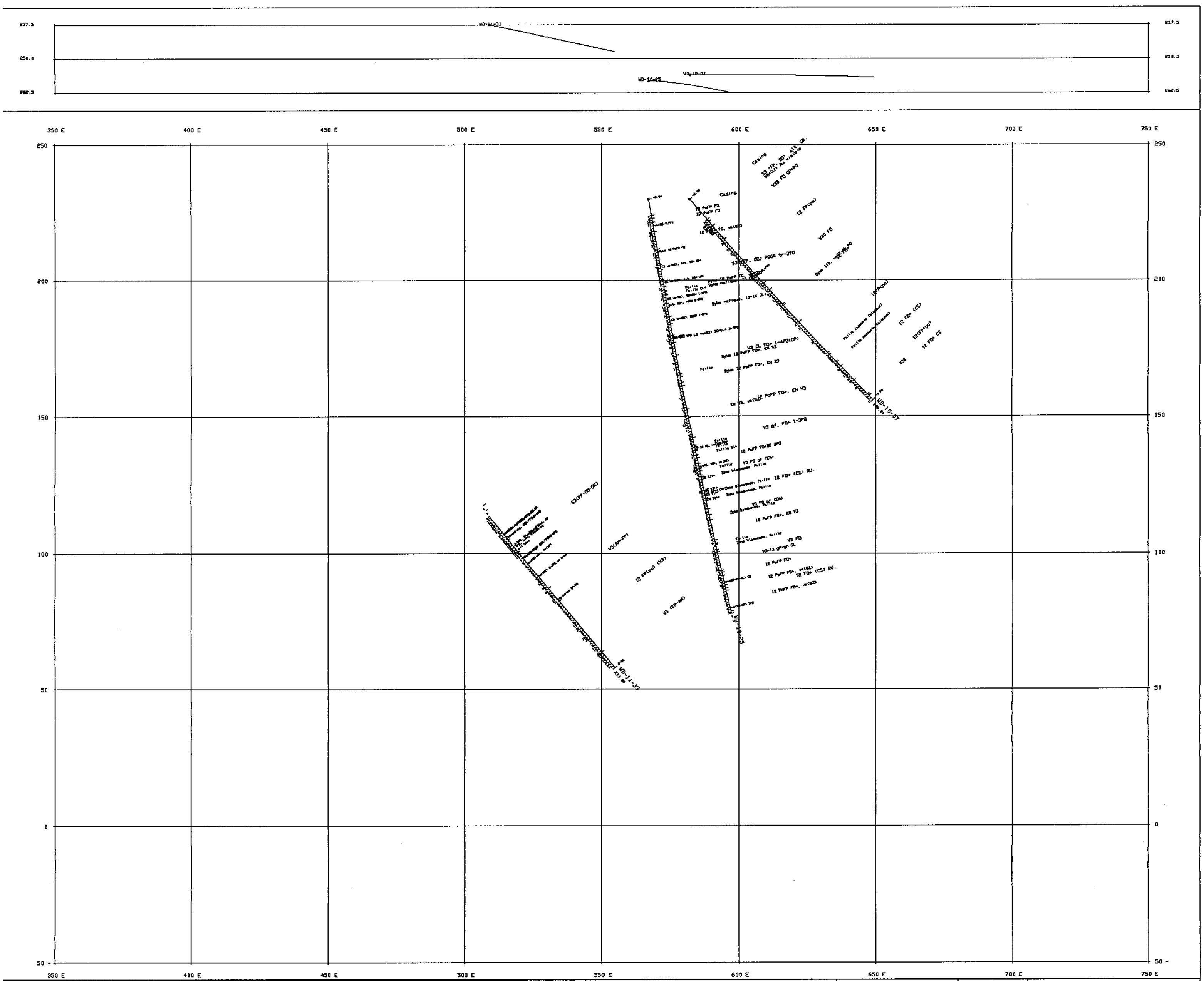
400 E
450 E
500 E
550 E
600 E
650 E
700 E
750 E
250
200
150
100
50
0
Casing
VD-11-33
VD-10-06
DRAWN BY
DATE
REVISED BY
DATE
SERVICES TECHNIQUES GEONORDIC
Virginia Mines Inc.
Wabanisk Project
Isabelle (Az 290)
(Au PPB)
Looking South
SCALE 1:500
DWG S0225N



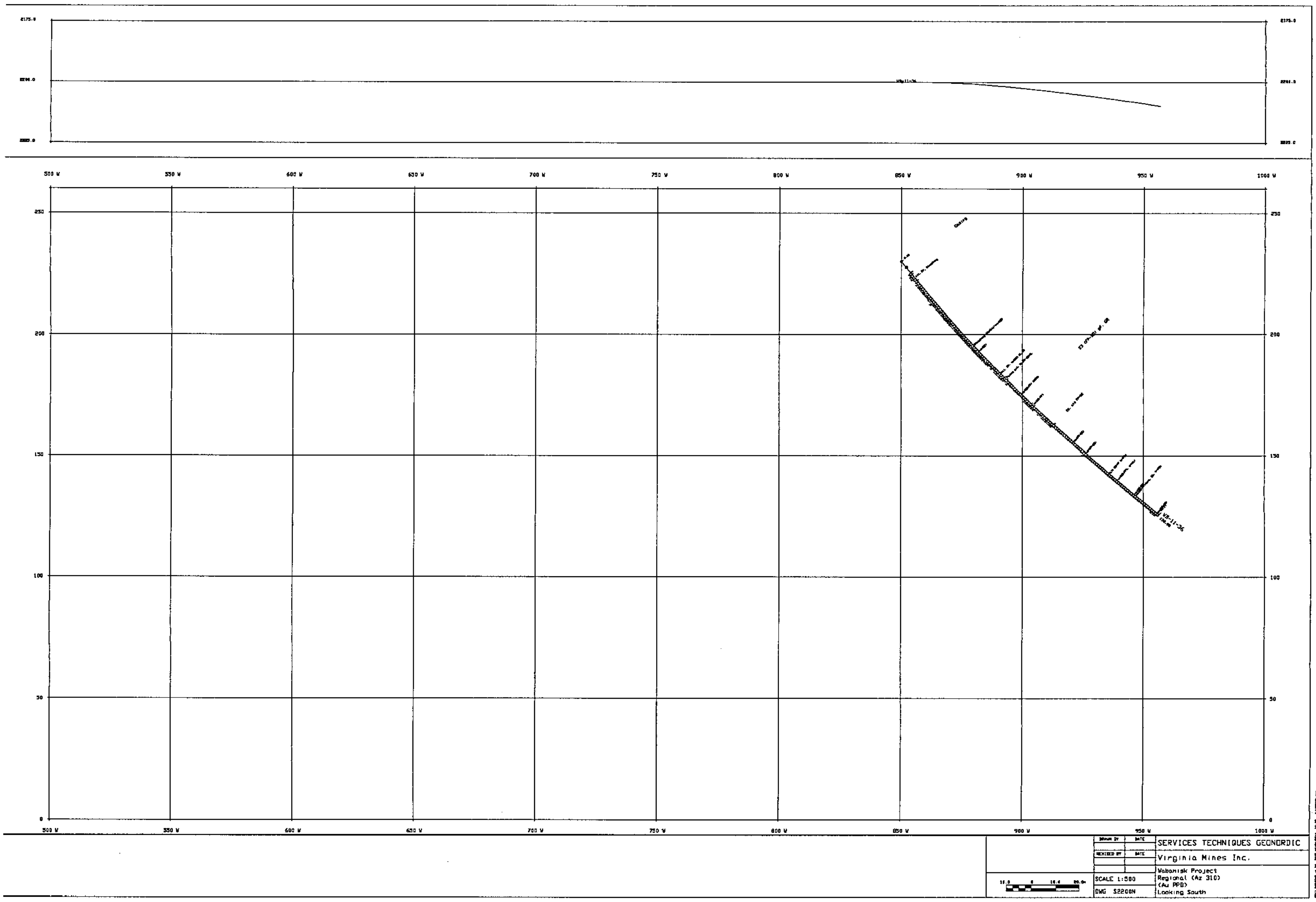
DRAWN BY	DATE
REVISED BY	DATE
SCALE 1:500	DWG S0250N

10.0 0 10.0 20.0m

SERVICES TECHNIQUES GEONORDIC

Virginia Mines Inc.

Wabamisk Project
Isabelle (Az 290)
(Au PPB)
Looking South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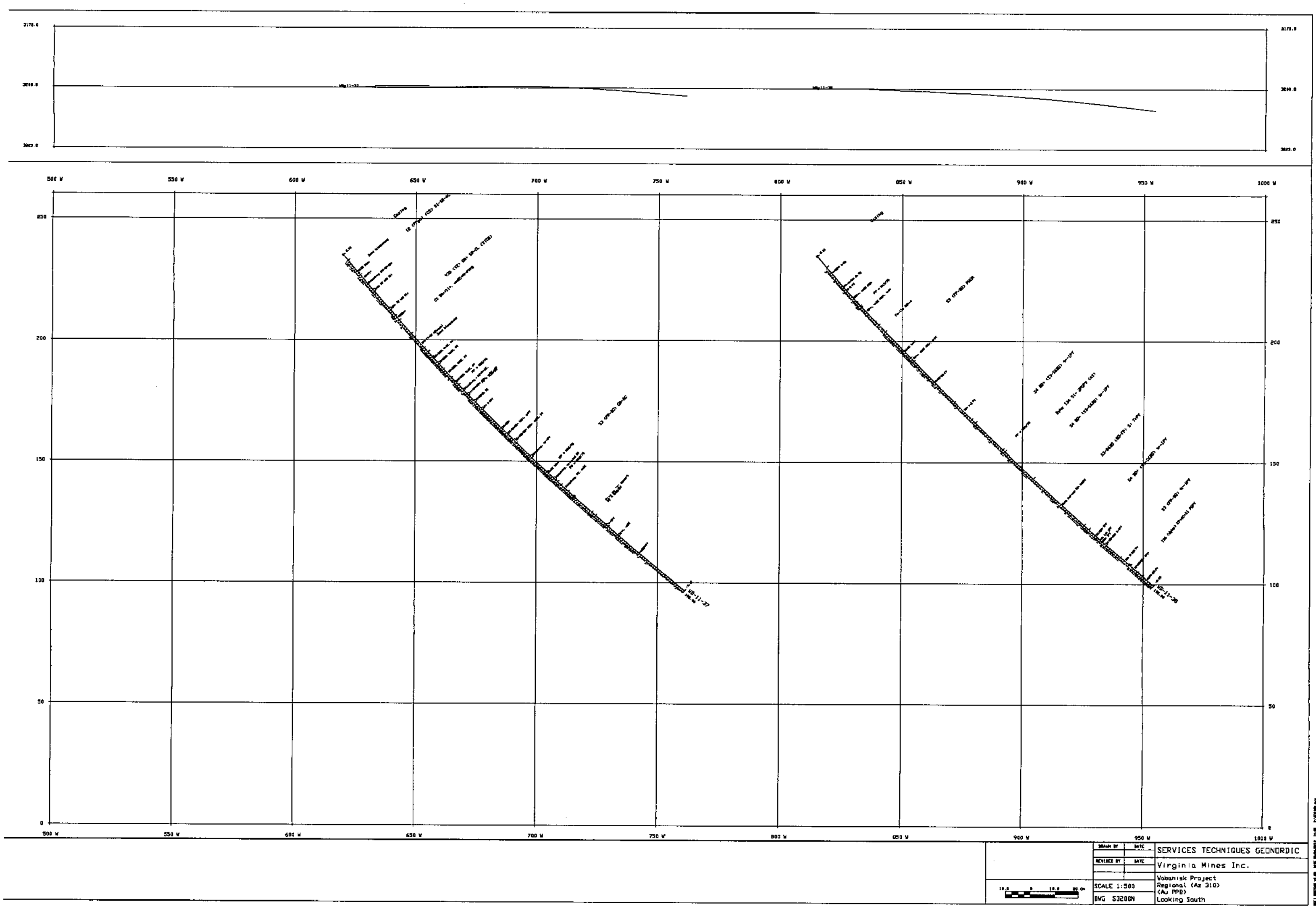
750 W
800 W
850 W
900 W
950 W
1000 W
250
200
150
100
50
0
Casing
SERVICES TECHNIQUES GEONORDIC
Virginia Mines Inc.
Wabanisk Project
Regional (Az 310)
(Au PPB)
Looking South
SCALE 1:500
DWG S2200N
DRAWN BY
DATE
REVISED BY
DATE



500 W
550 W
600 W
650 W
700 W
750 W
800 W
850 W
900 W
950 W
1000 W
250
200
150
100
50
0
DRAWN BY
DATE
REVISED BY
DATE
SERVICES TECHNIQUES GEONORDIC
Virginia Mines Inc.
Wabanisk Project
Regional (Az 310)
(Au PPB)
Looking South
SCALE 1:500
DWG S3200N