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SUMMARY GEOLOGICAL REPORT OF THE GOLD SOLO PROJECT, OPINACA WEST AREA

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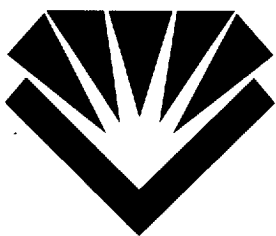


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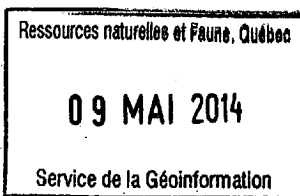


# **DIOS** EXPLORATION

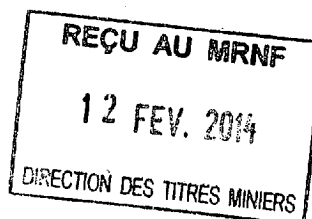
**SUMMARY GEOLOGICAL REPORT  
OF THE SOLO PROJECT  
OPINACA WEST AREA, JAMES BAY  
QUEBEC (33 C/04-05)**

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February 11<sup>th</sup> 2014



**GM 68166**



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## **1) INTRODUCTION**

The SOLO Gold Project was initiated from compilation of earlier Barrick and Westmin reports. In 1996, Barrick entered in a 50-50 JV with Eastmain Resources and then conducted extensive geological and prospecting programs over the Lac Elmer region. Regional soil and geophysical surveys delineated significant gold targets. Of particular interest, the S2 ZONE is a large untested area containing numerous gold-in-soil anomalies ranging from 6 to 39 ppb Au coincident with strong I.P anomalies and E.M inputs, located within a favorable geologic environment. The Lac Elmer showings and S2 ZONE were clearly outlined by the same regional soil survey (Annex 3). Drill testing was planned on the S2 ZONE but no drill hole was completed for an unknown reason. The whole S2 ZONE area is non-outcropping and covered by large swamps. The gold-in-soil and geophysical anomalies still remain unexplained and no serious work was done on the SOLO claims since Barrick.

The property is located approximately 270 Km north of Matagami and 180 Km south of Radisson cities in the 33C04-05 NTS sheets in James Bay, Quebec. It is located within the Archean Lower Eastmain Greenstone Belt, part of the La Grande volcano-plutonic sub-province. The geology underlying the SOLO property comprises massive to pillowed tholeiitic basalts overlain by younger calc-alkaline felsic to intermediate volcanic/tuff sequences. The Lac Elmer region has the potential to host economic gold or polymetallic deposits. Several Au, Ag, Cu & Zn occurrences (Lac Elmer A21 Zone up to 0.5 g/t Au and 45.0 g/t Ag/30m) are close to the SOLO property.

This report aims to describe the SOLO gold project and to present a compilation of the previous exploration work completed in the Lac Elmer region.

## 2) PROPERTY OVERLOOK

The SOLO gold property (100% DIOS) comprises 58 contiguous CDC (map-staked mining cells) totalling 30.6 km<sup>2</sup> in the 33C04-05 NTS sheets, James Bay, Quebec (Figure 1, Table 1 and Annex 1). The claims are valid for a period of two years and renewable. The claims are not subjected to restrictions on exploration activities and are located in lands of category II (i.e. exclusive fishing & hunting) rights under Quebec James Bay convention. They are within the VC33 trap line and its tallyman is James Weapenicappo from Eastmain ([www.cmeb.com](http://www.cmeb.com)). The property is located 7.5km northeast of the Cree Eastmain reserve (class-1 land).

Figure 1: Claim Disposition Map

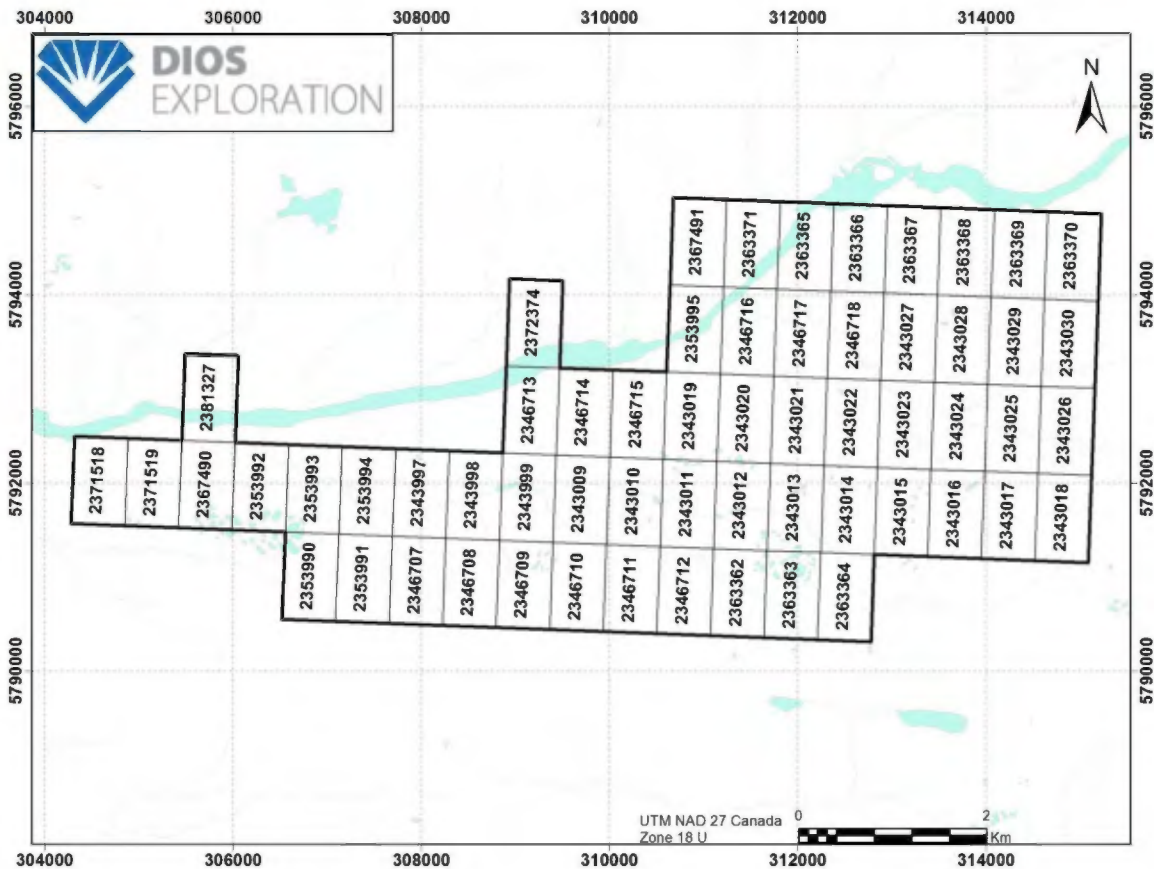


Table 1: Dios SOLO Project-Mining Titles (05/21/13)

<b>Cells (CDC)</b>	<b>NTS Sheet</b>	<b>Area Sq. km</b>	<b>Easting UTM Nad 27 Zone 18</b>	<b>Northing UTM Nad 27 Zone 18</b>
29	33C05	15.30	309000- 315000	5792500- 5795000
30	33C04	15.83	304000- 315000	5790000- 5792500
<b>59</b>	<b>Total</b>	<b>31.13</b>		

### **3) LOCATION, ACCESS, CLIMATE, PHYSIOGRAPHY AND INFRASTRUCTURE**

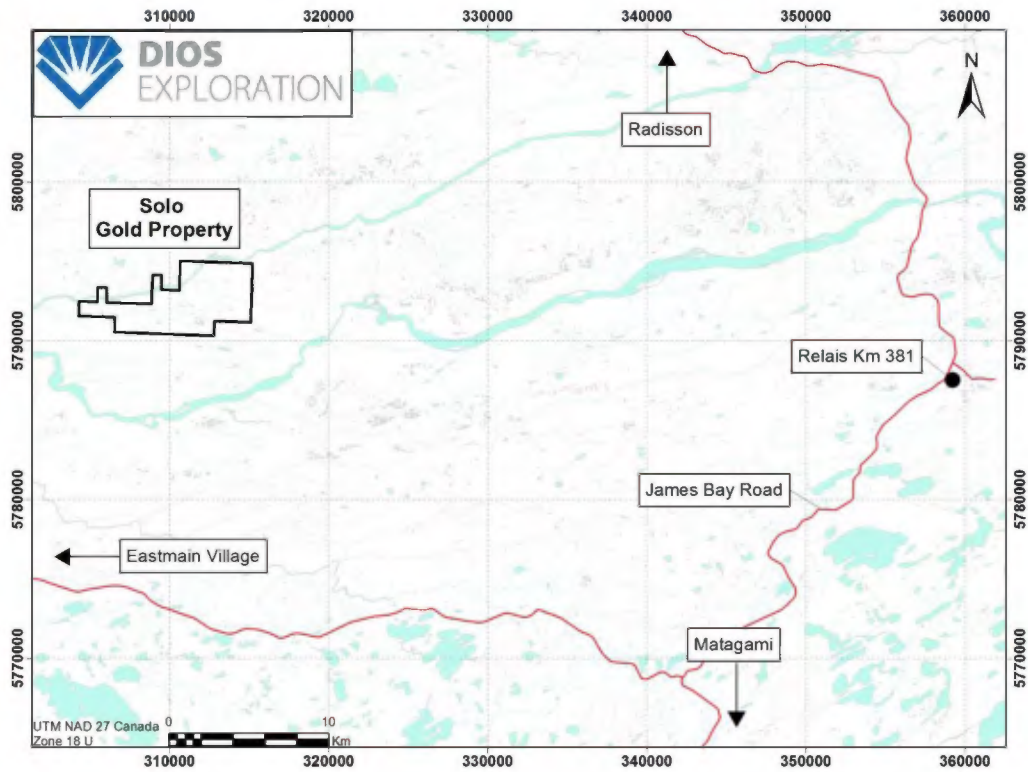
The SOLO property is located approximately 270 Km north of Matagami and 180 Km south of Radisson cities. It is close to all-season roads, about 35km west of the Matagami-Radisson road and 20km north of the road linking the Cree Eastmain Village in Northern Quebec, James Bay territory (Figure 2). It is located approximately 125km SW of the Goldcorp Eleonore gold deposit, between the Opinaca River to the north, and the Eastmain River to the south. The project can be worked all-year round by helicopter from Km 381 Relay camp and its heli-base, located about 45km east. The physiography is rather flat, lightly undulating with a topography varying in elevation from 100m to 140m above the sea level. In general, the property is poorly exposed, with large areas without outcrops covered by swamps, muskegs and creeks. Vegetation is sparse to moderate consisting of typical north Canadian Shield black spruces, jack pines, moss, Kalmia and Labrador tea. The climate is typical of the James Bay with temperate to sub-arctic conditions. Average summer temperatures vary from 5 to 25°C while winter is fairly cold. Average temperatures vary from -10 to -35°C, but can easily drop below -40°C. Precipitations average 2 m annually. Exploration activities can be carried out year round but field season is typically between the beginning of June and mid-October.

Figure 2: Location of the Solo Gold Property

a)



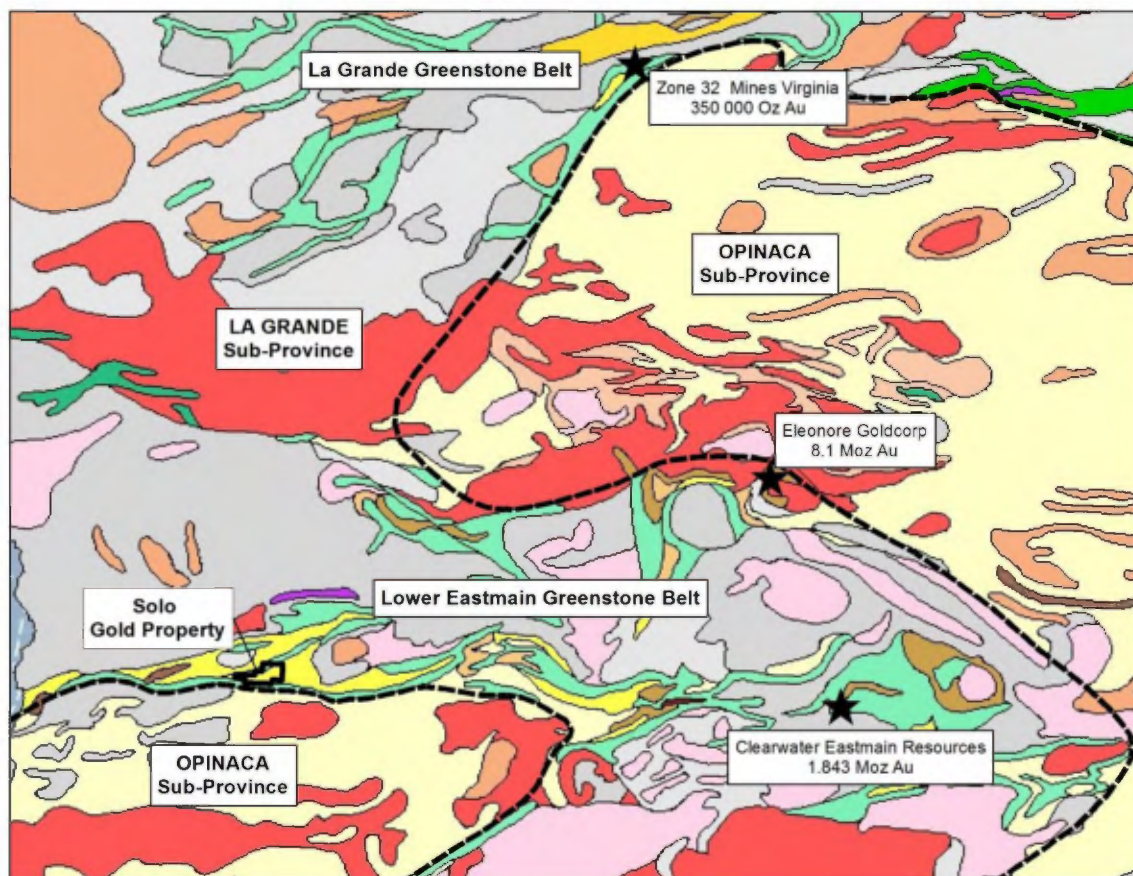
b)



#### 4) REGIONAL AND PROPERTY GEOLOGY

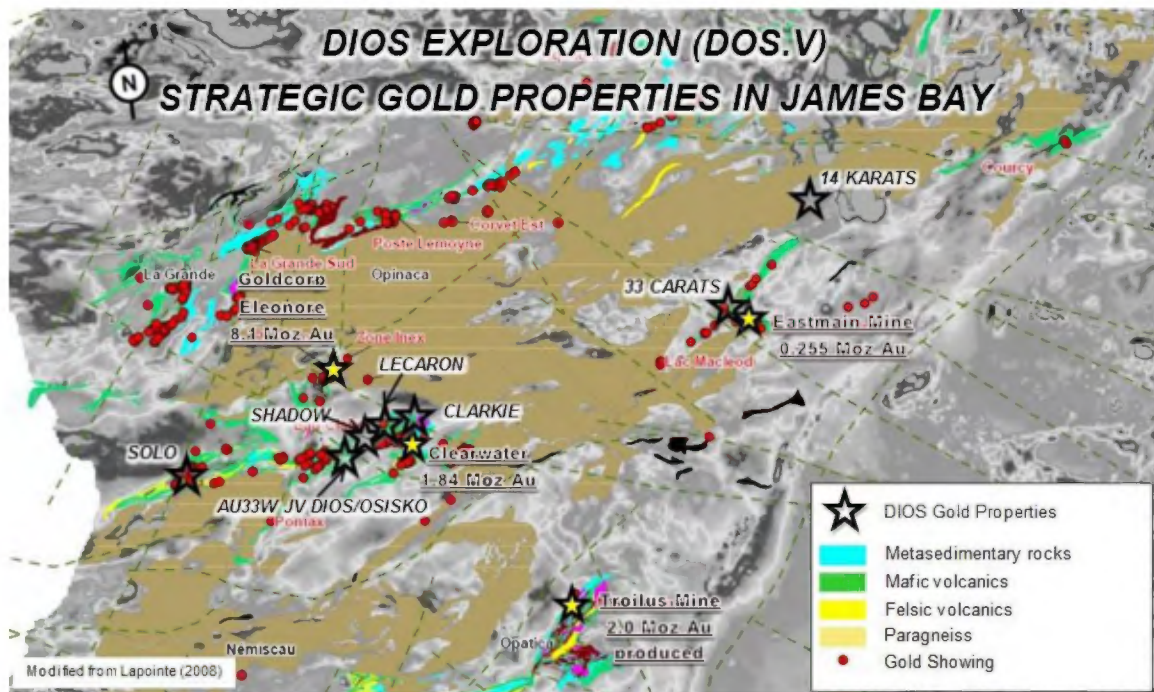
The SOLO property is located within the Archean Lower Eastmain Greenstone Belt, which is part of the La Grande volcano-plutonic sub-province (Figure 3). The Lower Eastmain Greenstone Belt represents a 10 to 70 kilometres wide by approximately 300 km long, oriented E-W volcano-sedimentary sequence that extends from James Bay shores to central Quebec. The LEGB comprises four main volcanic cycles: the Kauputauch (2752-2739 My), Natel (2739-2720 My), Anatacau-Pivert (2720-2705 My) and Komo-Kasak (<2705 My). The supracrustal rock sequences are intruded by synvolcanic (2747 to 2710 Ma), syntectonic (2710-2697 My) and late- to post-tectonic (<2697 My) plutons. Late Proterozoic diabase dykes crosscut the intrusive and supracrustal rocks of the LEGB.

Figure 3: Regional Geology and Sub-Provinces



The SOLO property is located 1 km north of the contact between the Opinaca metasedimentary Sub-province (2700 to 2648 Ma) and the La Grande volcano-plutonic Sub-province (2752 to 2696 Ma). Metamorphic grade for the La Grande Sub-province ranges from greenschist to amphibolite facies, and from amphibolite to granulite facies for the Opinaca Sub-province. The steep metamorphic front at the contact between these sub-provinces and the distribution of gold occurrences in James Bay show a good spatial correlation (Figure 4, Lapointe 2008 & Gauthier 2007). Hydrothermal fluids and gold mineralization could have been mobilized by the high metamorphic gradient and structures created by the exhumation of the younger Opinaca metasedimentary basin (metamorphic dome).

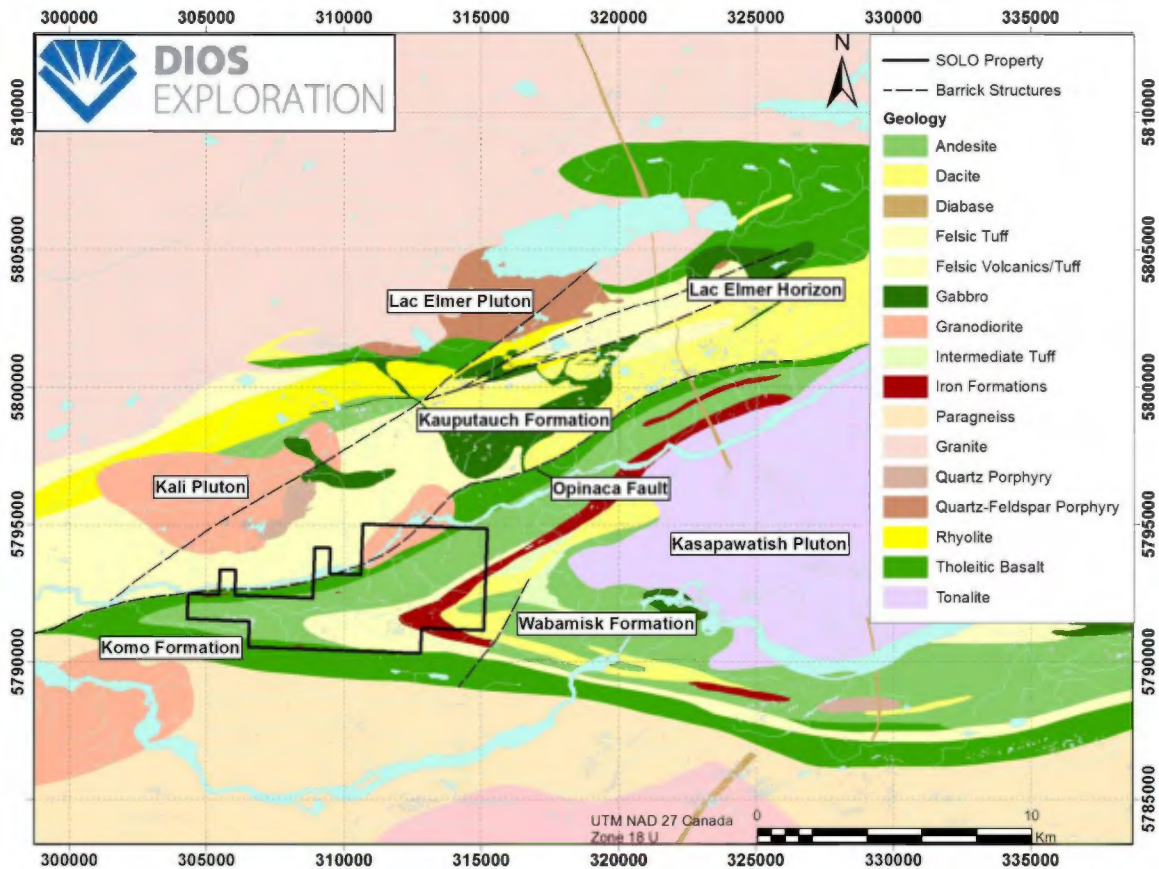
Figure 4: James Bay Gold Occurrences (modified from Lapointe 2008)



The geology underlying the SOLO property (Figure 5) comprises massive to pillowed tholeiitic basalts of the Komo-Kasak Fm overlain by the Wabamisk Fm consisting of younger calc-alkaline felsic to intermediate volcanic/tuff sequences, minor layers of intercalated iron formations, greywacke and rare conglomerates. Metamorphic grade ranges from upper greenschist to lower amphibolite facies. East of the property, the

Kasapawatish pluton intrudes the LEGB. It is composed mainly of tonalite on the borders and local phases of monzonite, granodiorite and pegmatitic granite in the center. It was dated around  $2728 \pm 3\text{My}$  and can be interpreted as a synvolcanic intrusion (Mouksil 2001). The northern claims cover the southern part of a 4x1-1.5km felsic plug and also a short segment of the Opinaca fault.

Figure 5: Lac Elmer Geology

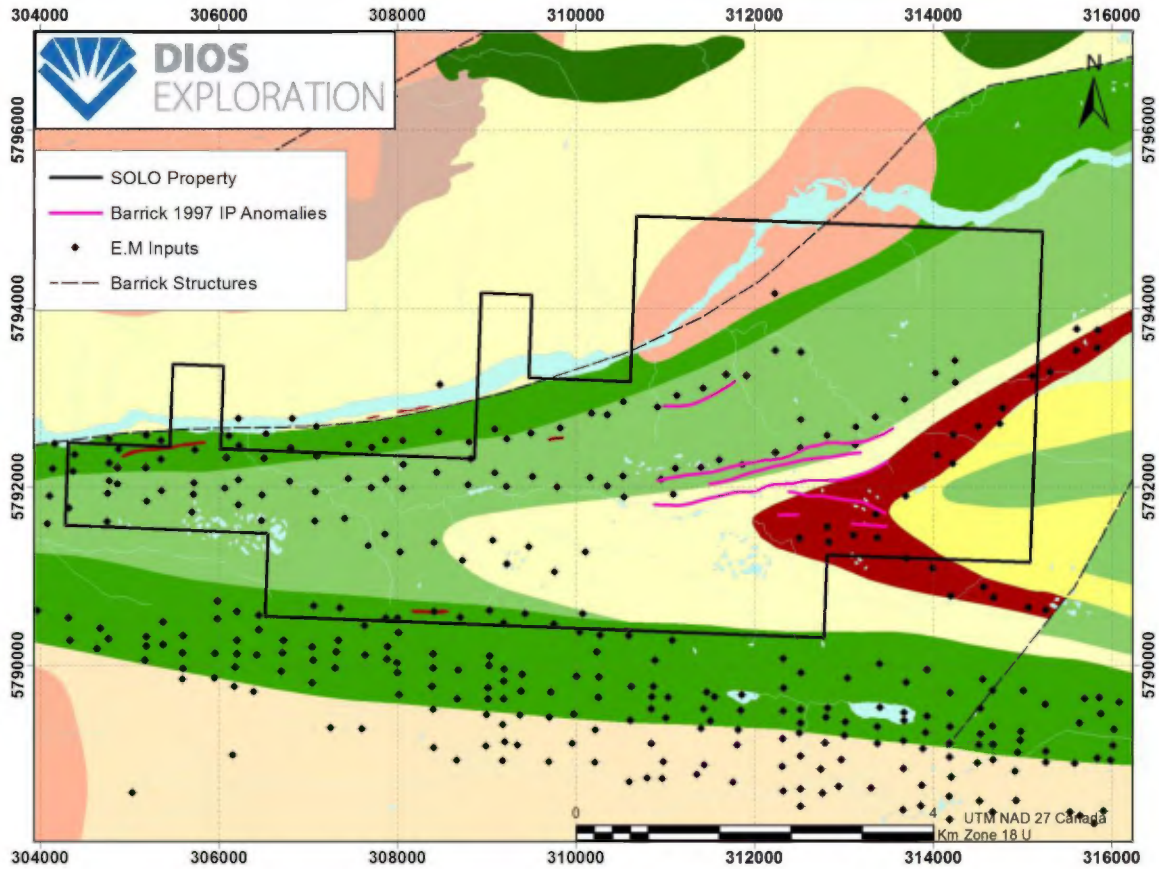


The Opinaca fault represents an ENE-NE trending north-dipping shear zone. It is followed over 9km along the Opinaca River. Tension veins and C/S fabrics observed in the shear zone suggest a dextral movement. The Opinaca fault divides the geology of Lac Elmer region in two distinct lithological domains. The SOLO property is located south of the Opinaca fault. The northern domain comprises supracrustal rocks of the Kauputauch Formation (2760-2750 My) dominated by calc-alkaline felsic to intermediate volcanic/pyroclastic flows. The volcanic sequence is intruded by the felsic Kali Lake

intrusion, the Lac Elmer QFP intrusion and many gabbroic dykes and sills. Most of the known Au-Ag-Cu-Zn occurrences are located within the northern domain: Lac Elmer (Eastmain Resources) and Lac Kali (Augyva Resources). In the eastern part of the property, a unit of intermediate tuff alternating with layers of iron formations coincides with a series of electromagnetic inputs and a folded high magnetic lineament that can be traced over 20 km (Annex 2). Previous geological mapping by Barrick and the government indicates that the volcanic sequence south of the Opinaca fault is folded by an ENE-WSW oriented antiformal syncline tilted to the south and plunging west. The SOLO property is centered on the fold nose of the antiformal syncline. The Komo-Kasak and Wabamisk Formations are wrapped around the synvolcanic Kasapawatish tonalite pluton. Extensive formational E.M inputs and IP conductors are sub-parallel to the stratigraphy of the SOLO property and might represent iron formations or sulphidized lithological contacts (Figure 6).

The lithologies are generally sub-vertical and steeply dipping north. They are affected by at least two deformation phases P1 and P2, observed on a regional scale. The early deformation phase P1 is associated with a regional ENE-WSW to E-W penetrative schistosity S1 dipping 75-90° to the north, sub-parallel to the volcanic sequences layering S0. S1 is well developed and frequently observed in the volcanic units but it is weaker in the intrusions. The axial plane of the regional antiformal syncline is parallel to S1, so P1 could be related to a first N-S compression phase resulting in the initial thinning and stretching of the Lower Eastmain Greenstone Belt. The second deformation phase P2 is associated with a sub-vertical crenulation or fracture schistosity S2 oriented NE-SW, which is less developed than S1. The crenulation (fracture) schistosity forms asymmetric Z folds plunging to the northeast. Several brittle/ductile structures associated with lithological or magnetic discontinuities were previously interpreted by Barrick, from geological mapping and geophysical data. These structures are striking mainly NE-SW to ENE-WSW, locally NW-SE. Other minor structures and shear zones sub-parallel to S1, with a thickness varying from few centimeters to few meters, were also observed on the field.

Figure 6: Property Geology, E.M Inputs and I.P Conductors



## 5) COMPILATION OF PREVIOUS WORK

Since the early 1970s, sporadic gold and/or base metal exploration programs, including prospecting and geological mapping, drilling, soil geochemistry, airborne (MAG-EM) and ground geophysics (MAG, VLF-EM, I.P, MaxMin II, Dighem III) surveys were conducted in the Lac Elmer region by different companies.

### Key Lake Resources 1969-1970:

- Airborne MAG-EM survey

**Canico-SDBJ (James Bay Development Society) 1975-76:**

(GM 34027, 34028, 57885)

- 120 km-long airborne MAG-EM-Spectrometer survey over the Lower Eastmain Greenstone Belt from Lac Elmer to Lac Pivert area.
- Ground verification of EM conductors

Geological mapping was carried out on the Lac Elmer area in 1976 by A. Franconi, as part of a 1:100 000 regional mapping program covering the LEGB for the MRNQ (Franconi A. 1978).

**SDBJ 1979-1981:**

(GM 37994, 38169, 38445)

- Prospecting and geological mapping on the southeastern contact between the Kali pluton and felsic volcanics, located about 1-3km north of the Solo property.
- Discovery of the Lac Kali Au-Ag-Cu showings (up to 2.6 g/t Au, 40 g/t Ag & 8.28% Cu).
- Ground Geophysical (MAG, VLF-EM) survey and geological mapping were conducted on N-S 125m-spaced lines attached to a 5km base line.
- Airborne MAG-Input survey, which covers the whole Solo property (Annex 2).
- Stream sediment geochemical survey (60 samples) in the vicinities of Kali Lake.

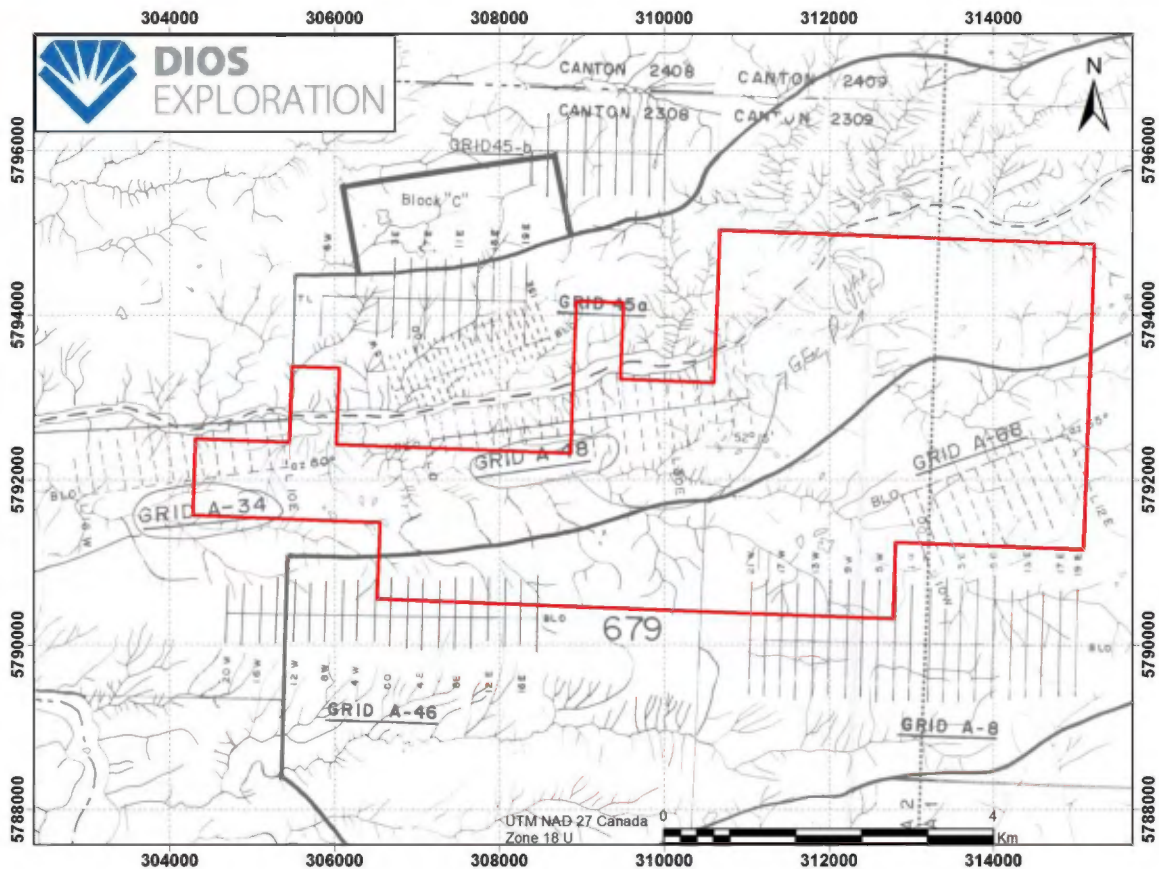
**Westmin 1983-1990:**

(GM 42403, 42424, 43102, 43421, 45406, 45720, 45721, 46423, 46436, 46437, 46924, 48311, 48589, 49335, 49496, 50430)

- Line cutting of multiple grids on their Westmain Project and Lidge projects: Grid A-8, A-34, A-46, A-48 & A-68 covers the Solo property (Figure 7).
- Ground geophysical (MAG, VLF-EM, I.P) and geochemical soil (B-Horizon) surveys.
- Discovery of numerous Au-Ag and base metals Cu-Zn showings: including Lac Elmer A21 (up to 0.5 g/t Au & 50 g/t Ag over 30m), Gold (102.52 g/t Au & 19.9 g/t Ag), Copper, Zinc, Silver, East & West Zones, Lidge and Opinaca.

- A total of 78 ddh for approximately 11000m were completed on the Lac Elmer (10800m) and Lidge (298m) showings.

Figure 7: Westmin Grids located on the Solo property



- Creation of the Opinaca JV in 1984 between Westmin and Eastmain Resources to explore the permit 678 (including Lidge claim block).

### Eastmain Resources 1984-2006

(GM 63479, 63478, 55695, 54668, 54667, 48733, 47603, 46709, 45087)

- Line cutting, overburden stripping, channel sampling, diamond drilling (6 ddh for a total of 287m), airborne Dighem III survey, ground geophysical (MAG, VLF-EM, MaxMin II) and geochemical soil (humus, till) surveys on the Permit 711, located just east of Lac Elmer in the 33C05/06 NTS sheets.

- Discovery of narrow auriferous quartz veins up to 5.21 oz/t Au & 28.3 g/t Ag over 0.2m on the Grid R & 13.1 g/t Au on grid T.
- Line cutting, diamond drilling (9 ddh for a total of 1546m), ground geophysical (MAG, IP) and soil geochemistry surveys on the Lidge property in 1996-1997.
- Discovery of the Lucille showing (extension of Lidge) consisting of a mineralized cherty tuff (1,73 g/t Au over 6m) and a sericitic fine intermediate quartz crystal tuff (1,24 g/t Au over 4m).
- Helicopter-Borne MAG and VTEM survey on the Lac Elmer and Lidge properties.

**Lucero Resources Corp 1993-1994:**

(GM 52428, 52587)

- Exploration program on the Lidge property (optioned from Eastmain Resources) consisting of diamond drilling, overburden stripping and soil geochemistry.
- 15 ddh for a total of 1620m (L93-8 returned 11.43g/t Au over 1.3m from a mineralized cherty tuff).

**Phelps Dodge 1993-1996:**

(GM 52433)

- Diamond drilling (6ddh for a total of 1004m) and MaxMin II surveys were completed on the permit 925 (optioned from Eastmain Resources), to test the Copper Zone and other EM anomalies.

**Barrick Gold 1996-1999:**

(GM 55976, 55908, 55866, 55854, 55790, 54820 54392, 54391)

- Exploration programs were conducted on permits 925, 1121, 1142 and 1167 (optioned from Eastmain Resources 50-50 JV).
- Detailed geological mapping on the Lac Elmer showings.
- Regional geochemical soil (B-Horizon/Humus) survey in 1996 followed by detailed surveys in 1997 on the best regional anomalies, including the grid #1 covered by the Solo property (Annexes 3 & 4).

- Line cutting and ground geophysical (MAG, I.P, EM-TBF) surveys (including I.P on the grid #1).
- 15 ddh for a total of 3608m. LE98-14 tested the depth extension of A-21 Zone and returned two anomalous intersections of 0.36 g/t Au over 31m & 0.38 g/t Au over 13,3m.
- Discovery of multiple gold occurrences in quartz veins injected within a gabbro intrusion: Barrick and Gabbro Zone (up to 42.65 g/t Au & 116.2 g/t Ag).

**Cambior 1999:**

(GM 57310, 57311, 57506)

- Cambior optioned the 50% interest of Barrick.
- Beep-Mat prospecting and geological mapping on nine areas of interest, including the Opinaca showing and the «Nez de Pli # 2» area, located at the eastern limit of the Solo property.
- Discovery of the Patwon showing: quartz veins hosted within a gabbro intrusion returned gold values up to 3.0-7.2 g/t Au.
- 5 ddh for a total of 1780m: LE99-16 & 18 tested the A-21-Zone and returned 0.15 g/t Au and 0.24 g/t Au over 13,5m respectively (same thickness).

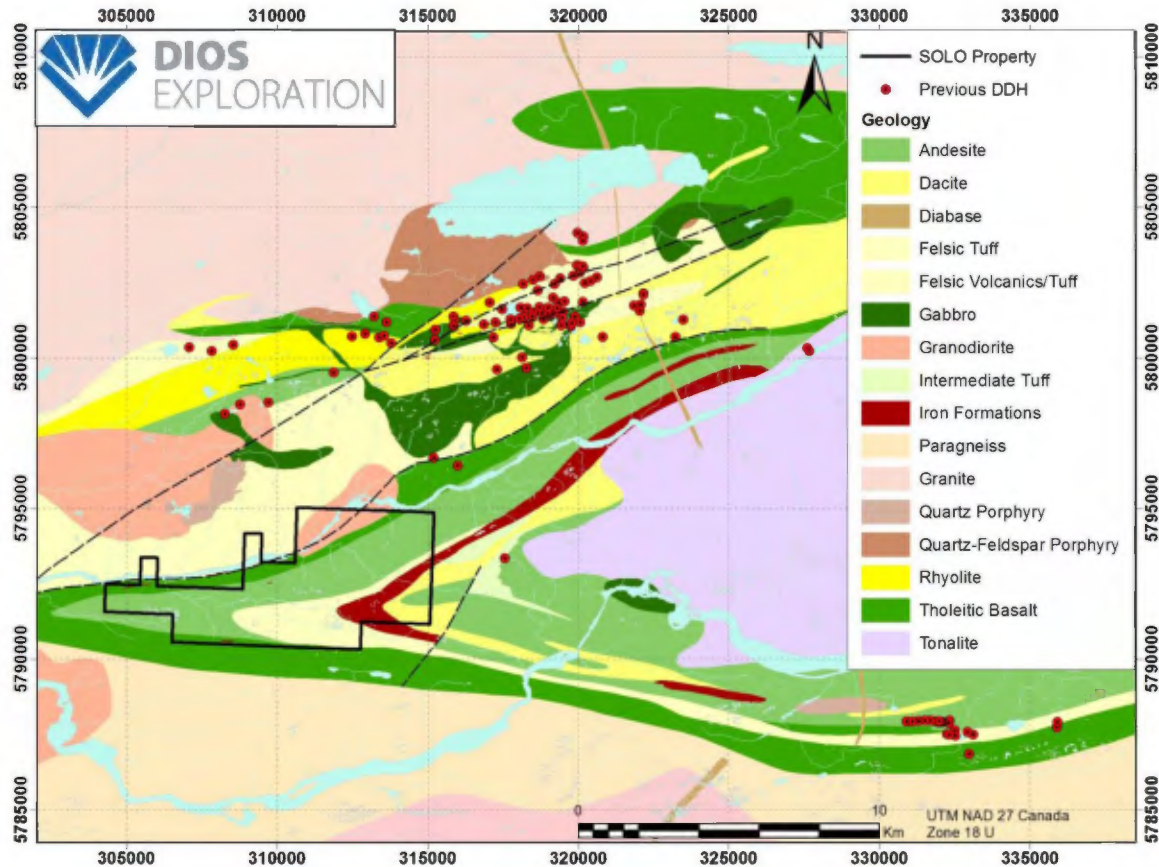
**Augyva 2006-2007**

(GM 63528, 63536)

- Helicopter-Borne VTEM survey and ground EMH survey over the Lac Kali property.

Most efforts targeted the Lac Elmer gold and/or polymetallic Au-Ag-Cu-Zn occurrences. Drilling programs conducted by Westmin (78 ddh for a total of 11100), Phelps Dodge (6 ddh for a total of 1004m), Barrick (15 ddh for a total of 3608m) and Cambior (5 ddh for a total of 1780m) tested the extensions of the main Lac Elmer A21 gold Zone and other significant gold/polymetallic occurrences: Copper, Zinc, Silver, Gold, East and West Zones. It is important to note that no ddh were done in the immediate vicinities of Solo property (Figure 8).

Figure 8: Previous DDH in the Lac Elmer Region



Numerous outcrops were mapped on the Solo property (Annex 5). They mainly consist of tholeiitic basalts (Komo-Kasak Fm), felsic to intermediate volcanics/tuff (Wabamisk Fm) and iron formations. However, no outcrop is reported on the S2 Zone, which is actually the main target of the project. An area of 8 x 1-2km covered by swamps and wet lands, extends from the S2 Zone to the western limit of the property. The underlying lithologies are part of the highly prospective Wabamisk Formation, comprising felsic to intermediate volcanics/tuff sequences with intercalated iron formations, well indicated by the E.M inputs. The Wabamisk Formation hosts the Lidge and Lucille showings (Eastmain Resources) located approximately 15-20km ENE of the Solo property.

A total of 478 rock samples located on the Solo property and its vicinities were compiled by Dios geologists (Annex 6). The shores of the Opinaca River were extensively

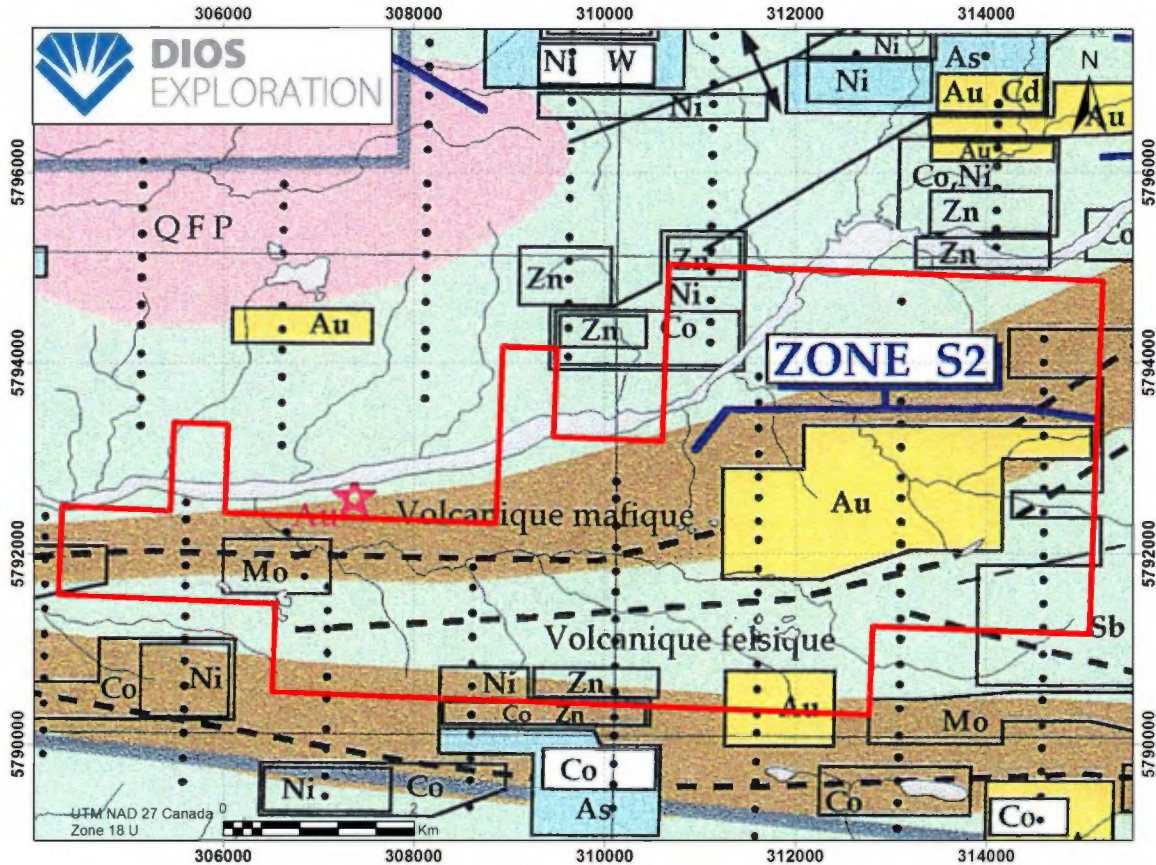
prospected, especially in the vicinities of the Opinaca Showing where strongly altered and sheared felsic volcanics returned gold values up to 1.72 & 3.57 g/t Au. The Lac Kali showings (Augyva Resources) are located NW of the Solo property. Typical mineralization consists of disseminated PY-CPY-MC mostly associated with shear zones, fractures and/or narrow quartz-carbonates veins hosted by lightly to moderately altered felsic volcanics and felsic intrusive rocks.

No significant gold values are reported on the Solo property. Only limited anomalous values ranging from 25 to 50 ppb Au are associated with iron formations. There are no outcrops and samples along the strategic lithological contact interpreted between intermediate volcanics and felsic tuffs, located in the northern limb of the fold. The gold-in-soil anomalies and I.P conductors of the S2 Zone still remain unexplained.

Moreover, 1187 B-Horizon samples from Westmin grids A-45a, A-45-b, A-48, A-68 and A-8 were also compiled (Annex 7). Multiple gold-in-soil anomalies up to 780 ppb Au, the highest value found in the southern area of Lac Elmer, were outlined within the Solo property. Other significant metal anomalies, sometimes associated with Au, were also outlined. The detailed results of the B Horizon sampling are discussed for each Westmin grids further below.

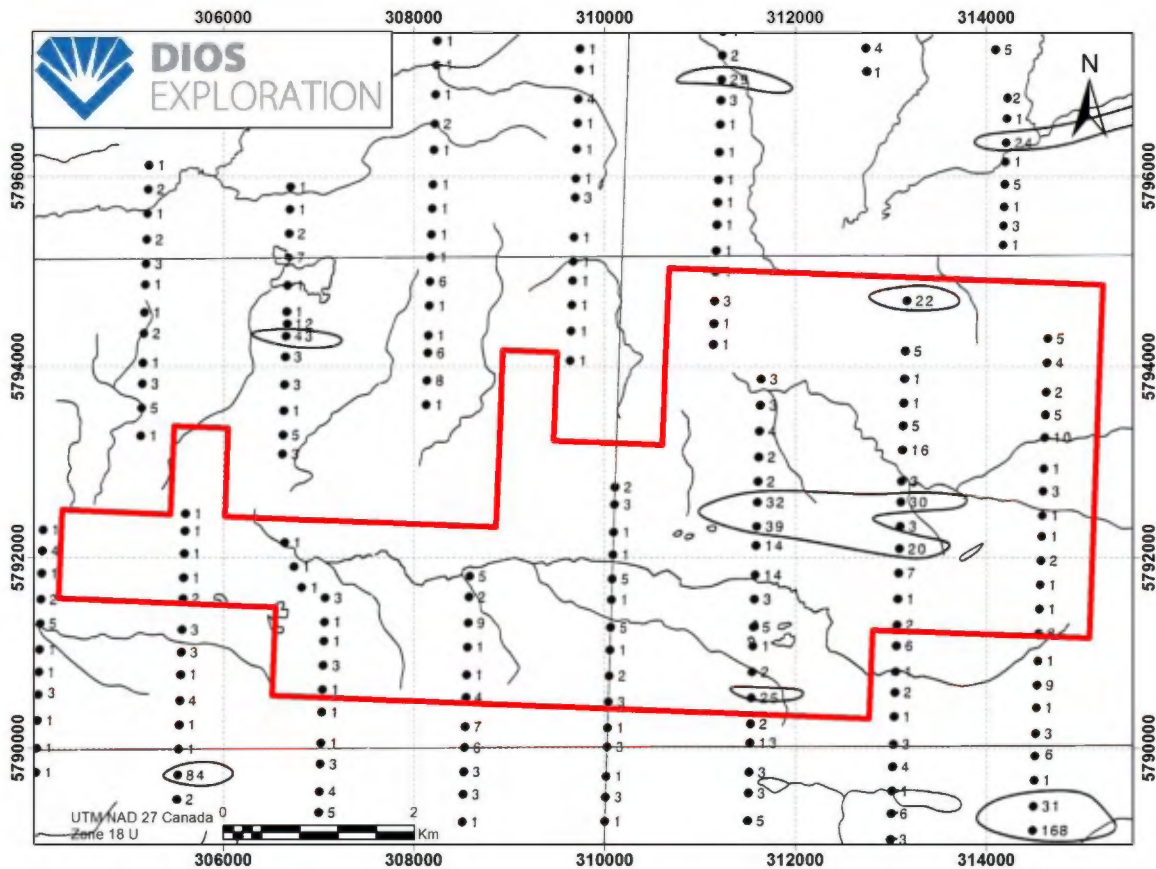
### 5.1) Barrick Gold 1996-1997

Figure 9: S2 Zone Covered by SOLO Property (from Barrick GM 54391)



Barrick completed geological mapping, prospecting, soil sampling and an induced polarization survey over the actual SOLO property in 1996-1997. A first regional soil sampling program combining A<sub>0</sub> Horizon and B Horizon was conducted in 1996 by Barrick over the Lac Elmer region using a 1.5km E-W by 250m N-S grid (GM 54391). A total of 908 samples were collected, 801 A<sub>0</sub> Horizon and 107 B-Horizon analyzed by I.N.A.A. and I.C.P methods respectively. Multiple gold-in-soil anomalies were delineated with a threshold of 10 ppb Au (92nd percentile): the S2 Zone and the A Zone corresponding to the Lac Elmer showings area (Annex 3). The S2 Zone is centered on a fold nose and is completely covered by the Solo claims (Figure 9). Values up to 20-30-32-39 ppb Au (95th percentile) in humus A<sub>0</sub> Horizon were obtained (Figure 10).

Figure 10: S2 Zone Soil-Humus Anomalies-ppb Au (from Barrick GM 54391)



Subsequently during summer 1997, additional soil/humus sampling was conducted on the S2 Zone, which was covered by the #1 Grid (or "Soil Gold Grid") using a 200m E-W by 100m N-S grid. A total of 190 humus/A<sub>0</sub> Horizon samples were collected and analyzed by the I.C.P method. The 1997 survey failed to reproduce the results obtained in 1996, with maximum values ranging from 6 to 14ppb (Figure 11). Significant values of As-Sb-Pb are often associated with the 1996-1997 Au anomalies (Annex 8). From the 1997 soil sampling results, the polymetallic Au-As-Sb-Pb-Zn 1-A Zone anomaly was outlined inside the original S2 Zone (Figure 12). The 1-A Zone is centered on a series of E.M inputs and on sub-parallel first priority I.P chargeability anomalies (P05-P06-P07), outlined in April 1997 (GM 55854). The I.P survey was done on the "Soil Gold Grid" (Annex 9).

Figure 11: Barrick 1996 Regional and 1997 #1 Grid Soil-Humus (ppb Au)

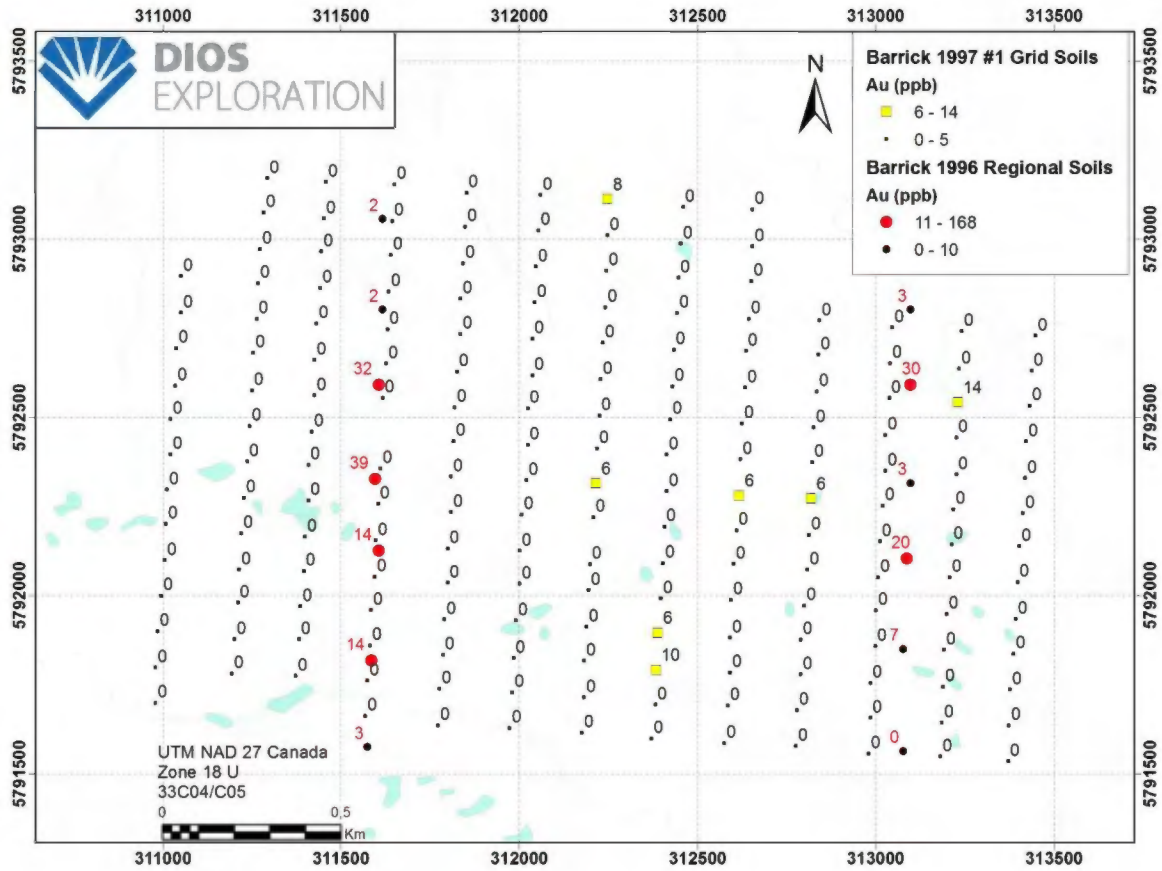
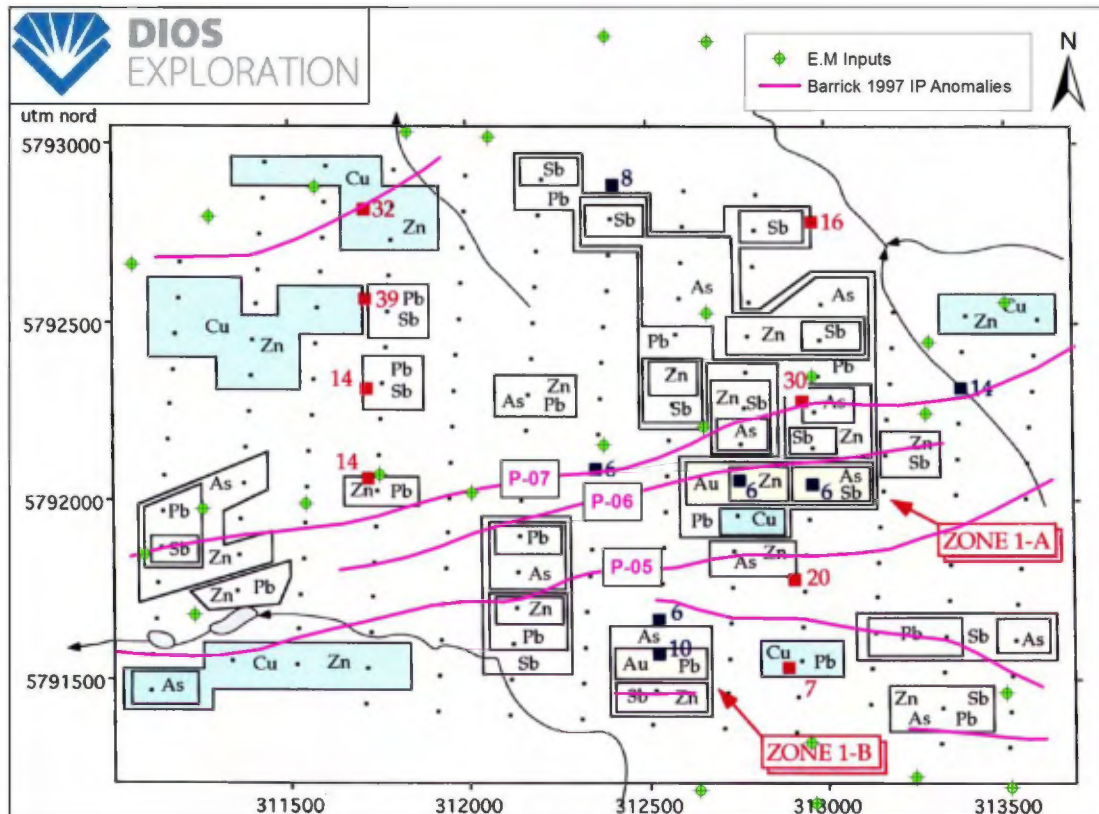


Figure 12: Barrick 1-A Zone vs. E.M Inputs and I.P. Chargeability Anomalies (modified from GM 55866)



## 5.2) Westmin Resources 1984-1989

Prior to Barrick Gold, Westmin conducted extensive exploration programs. Detailed mapping, prospecting, soil (B Horizon) geochemical and VLF-EM16 surveys were completed on grids A-68, A-48, A-46, A-34 and A-8 (Figure 7). All the grids were initially designed to cover a strong folded formational conductor, delineated by the SDBJ airborne Input survey in 1981. The conductor is hosted by an east-west striking vertically dipping thick sequence of mafic volcanics (Komo-Kasak Fm). On each grid, VLF-EM16 surveys were followed by soil sampling on the conductive anomalies. All sulphide mineral occurrences were systematically sampled and analyzed for Au-Ag-Cu-Zn-Pb. In general, VLF-EM surveys delineated several conductors, mostly associated with barren iron formations or graphitic horizons.

Grid A-68:

The grid covers a fold nose located just east of the S2 Zone, where silicate facies and sulphide facies iron formations units converge (Annex 10). They are overlain by a sequence of felsic tuff and sub-volcanic quartz-feldspar porphyry. The sub-volcanic quartz-feldspar porphyry consists of quartz and feldspar phenocrysts within a fine-grained quartz-feldspar-biotite matrix (GM 46436). The lithologies mapped on the A-68 are unaltered and contain very little sulphides. Only low anomalous gold values of 32-28-25 ppb Au were returned from tuffs and iron formations. Soil sampling revealed an arsenic anomaly (51-176-288 ppm). An isolated anomaly of 21 ppb Au, coincidental with iron formations, is located in the northeastern part of the grid.

Grid A-48:

The grid is located south of the Opinaca River. It covers the contact between a sericitized blue quartz eye felsic tuff to the north and mafic volcanics intruded by gabbro to the south (Annex 11). The contact between the felsic (Kauputauch Fm) and mafic (Komo-Kasak Fm) volcanics represents the Opinaca fault, which is locally extremely sheared and altered. The sericite content of the felsic tuffs varies from 5-10% to 30-40%. The highly sericitized zone extends over approximately 600m along the southern shores of the Opinaca River. Highly anomalous gold values up to 0.57 & 1.72 g/t Au are associated with 10-15% disseminated pyrite, traces of chalcopyrite and traces of green mica. The altered zone also contains 10-30% colourless to gray metamorphic minerals (andalusite?).

A semi-massive to massive pyrite-pyrrhotite silicate iron formation, located immediately south of the altered zone, returned low anomalous gold values ranging from 10-70 ppb Au. Another barren silicate iron formation containing pyrite and graphite is hosted within mafic volcanics. It is coincidental with a strong regional conductor, along strike with the I.P. anomaly P-11 outlined on the S2 Zone by Barrick. Both iron formations were well indicated by Westmin VLF-EM surveys. Soil sampling over these conductive units returned gold values ranging from 12 to 240 ppb Au (Annex 11).

Two significant gold-in-soil anomalies are located within the Solo property. A large polymetallic Au (12-240 ppb), Ag (0.4 ppm), As (58-604 ppm), Cu (140-450 ppm), Pb (60 ppm) and Mo (4 ppm) soil anomaly is associated with the southern iron formation. The second gold-in-soil anomaly (780-15-12 ppb Au) is located about 300m south of the contact between the Opinaca shear zone and the western margin of a felsic intrusion. A soil survey located about 1km west of the S2 Zone, did not return gold or metal values.

Finally, in order to further evaluate the potential of the grid A-48, Westmin recommended a 3 ddh program to test the two gold-in-soil anomalies located on the Solo property and the 1.71 g/t Au showing hosted within the altered zone. However it was never completed for an unknown reason.

#### Grid A-34:

The grid is located along strike, just west of the grid A-48 (Annex 12). It covers sequences of mafic flows bounded to the north by felsic volcanics. Quartz-feldspar schists are locally observed along the southern shores of the Opinaca River. The sericite content and the shearing of the felsic volcanics increase as we get closer to the river. A unit of quartz-feldspar porphyry occurs in the northeastern part of the grid. It consists of coarse quartz and feldspar phenocrysts within a fine grained quartz-feldspar-biotite matrix. A 1km-long silicate iron formation is hosted by mafic volcanics. Surface sampling returned low anomalous gold values of 28-35-45-50 ppb Au. Gold-in-soil anomalies of 30 & 66 ppb Au are also associated with the iron formation. No further work was recommended by Westmin on the grid A-34.

#### Grid A-46 & A-8:

The grids cover thick sequences of mafic flows and tuffs. The grid A-8 also covers the contact between felsic volcanics/tuffs sequences to the north and basalts to the south (Annexes 13 & 14). An area of poorly mineralized basalts located in the Grid-8 returned

low anomalous gold values of 130-40-31 ppb Au. No additional work is needed on the southern limb of the fold.

### **5.3) Cambior 1999**

Cambior carried out geological mapping, prospecting and geophysical (VLF, Beep Mat) surveys on the Opinaca showing, «Basalte Tholétique Sud» and «Nez de pli» areas during summer 1999 (Annex 15).

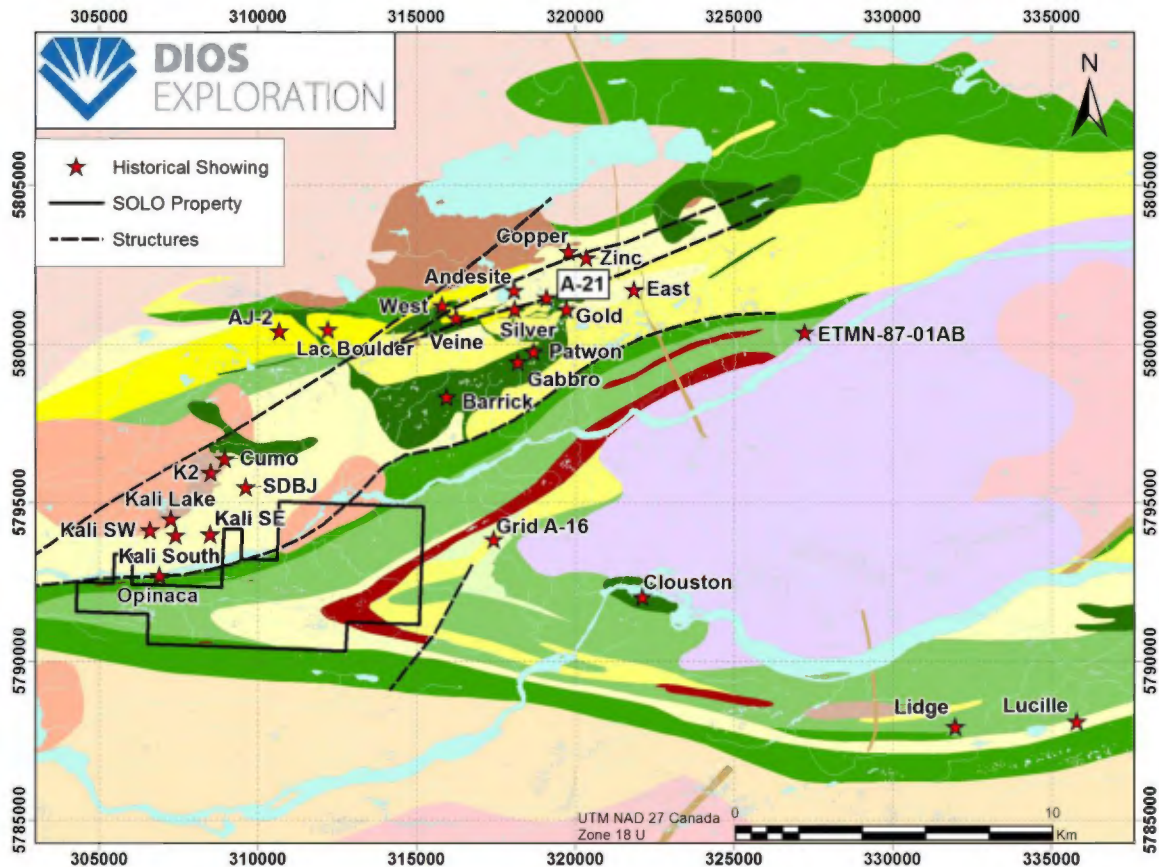
The «Nez de pli» area is covered by Westmin grid A-68, located just east of the S2 Zone. The Beep Mat survey delineated several conductive and magnetic layers within felsic to intermediate tuffs. The anomalies were associated with magnetite, disseminated 3-5% pyrite or fine-grained graphitic tuffs. No gold and base metal values were obtained. A Beep Mat survey was also conducted on the Grid #1 (Barrick S2 Zone). Due to the absence of outcrops, the I.P. anomalies remained without explanations.

The «Basalte Tholétique Sud» area is located immediately south of the Solo property. Input anomalies were prospected by VLF and Beep Mat surveys. Most of the conductive anomalies were explained by the presence of graphite or thin discontinuous horizons containing tr-5% PY-PO hosted within tholeitic basalts.

Prospecting was also carried out by Cambior on the Opinaca showing (Annex 16). Beep Mat surveys identified two important conductive horizons 2km apart along the contact between felsic and mafic volcanics. A rusty mafic unit (site #2) composed of 20% garnets, 1% quartz veinlets, tr-1% PY-PO and graphite, was traced over a strike length of 200m and a width of 10-20m. It is hosted within a sequence of basalts south of the Opinaca fault. Located 2 km ENE, the second conductive anomaly (site #3) is associated with a 20 cm wide semi-massive (60% PY-PO) sulphide horizon extending for 60m, hosted at the contact between a blue quartz eye dacite and garnet-bearing basalt. It strikes N250° and dips 70-80° to the north, parallel to the main foliation observed in the area of the Opinaca showing. The conductive horizons did not return any significant gold values.

## 6) MINERALIZATION

Figure 13: Gold Showings of the Lac Elmer Region



The Lac Elmer area has been explored for gold and base metals since the early 1970's. Several Au, Ag, Cu & Zn showings have been discovered, mostly located north of the Opinaca fault within the Kauputauch Fm (Figure 13). No precious or base metal occurrences are reported on the SOLO claims. However, significant mineralized zones are located in the vicinities of the property (Annex 17).

Five types of gold mineralization are observed:

1- Volcanogenic disseminated, semi-massive to massive and/or stringer sulphides consisting of PY-CPY-SP-(rare GL), locally associated with quartz veins. Mineralization is hosted within sheared and sericitized felsic volcanic/tuff sequences (Lac Elmer A21, Copper, Silver, Zinc, Lac Mitaine and West Zones).

2- Stratabound disseminated sulphides PY-PO±AsPY, locally associated with quartz-tourmaline veins and/or fuchsite alteration, hosted in cherty tuff horizons (Lidge, Lucille and Grid A-16).

3- Quartz ±ankerite-tourmaline veins or stockwork with 1-5% PY±CPY-SP hosted in gabbro intrusions or in felsic volcanics (Gold, Gabbro, Patwon, Barrick and East Zones).

4- Porphyry-type Au-Ag-Cu mineralization consisting of disseminated sulphides up to 15-30% PY-CPY-Malachite associated with quartz ±carbonate veins, stockworks, fracture-filling and/or shear zones. Mineralization is hosted within the Kali quartz porphyry and felsic volcanics, at or near the contact between the two units (Kali showings, SDBJ, K2, Cumo).

5- Shear zones related to the Opinaca fault. Mineralization consists of disseminated and stringer sulphides up to 15%PY ±traces CPY hosted within strongly sheared and sericitized felsic volcanic/tuff sequences (Opinaca showing).

The Lac Elmer Zone (Eastmain Resources) is located approximately 8 to 12km northeast of the SOLO property. The gold and polymetallic Ag-Cu-Zn mineralization is hosted within a 10km long by 800m wide sheared and sericitized rhyolite. Extensive drilling of the main A21 Zone returned up to 0.5 g/t Au and 45.0 g/t Ag over 30m (DDH 85-21). At the Copper Zone, a 25m wide semi-massive to massive sulphides (PY-PO-SP±CPY) horizon cut by DDH 85-14 returned 3.31% Zn & 28 g/t Ag over 1m at 71,2m, 4,78% Zn & 50.5 g/t Ag over 1m at 83,3m and 1,79% Zn & 15 g/t Ag over 1m at 95,1m.

Lithogeochemistry indicates that the intense sericitic alteration observed at the Lac Elmer Zone is marked by a sodium depletion (-1%) and a potassium enrichment (+3%). The main A21 Zone is outlined by moderate to strong I.P chargeability anomalies associated with a low magnetic anomaly. Gauthier (1998) interpreted the Lac Elmer Zone as a neutral epithermal system telescoped from a porphyry intrusion (MB 98-10).

The Lidge and Lucille gold showings (Eastmain Resources) are located along the same stratigraphic sequence, about 17 and 21 km E-SE of the SOLO property. The geology underlying the Solo property and the Lidge/Lucille showings comprise felsic to intermediate volcanic/tuff sequences, both part of the Wabamisk Formation. The Lidge showing (up to 11.42 g/t Au/1.3m) is hosted in a metric cherty tuff with disseminated pyrite-pyrrhotite and fuchsite alteration. The auriferous cherty tuff horizon is coincident with weak to moderate Au-As soil anomalies and a weak I.P. within a low magnetic anomaly. A quartz porphyry (QP) intrusion is located 2km W-NW of Lidge area. Approximately 4.8 km to the east, the Lucille showing is hosted within a strongly altered and deformed cherty tuff containing disseminated pyrite  $\pm$ arsenopyrite (1.73 g/t Au/6m). Mineralization is also hosted within a sericitic fine-grained intermediate quartz crystal tuff north of a breccia zone (1.24 g/t Au/4m). The Lidge/Lucille showings are located near a felsic-mafic contact. They were drilled laterally, about 200m-spaced for a kilometre each, and returned anomalous gold assays. The Grid A-16 showing (5 g/t Au/0.3m from a channel sample) located about 2 km east of SOLO property shows several similarities with the Lidge and Lucille gold horizons. Mineralization comprises up to 5% disseminated PY hosted within an altered cherty tuff, part of the Wabamisk Formation.

The Opinaca Zone (Augyva Mining Resources) is located immediately north of the Solo property along the shores of the Opinaca River, at the contact between strongly sheared and sericitized felsic volcanic/tuff sequences to the north and basalts to the south. The sheared contact between the felsic (Kauputauch Fm) and mafic (Komo-Kasak Fm) volcanics represents the Opinaca fault. The sericite content of the felsic volcanics varies from 5-10% to 30-40%. Extensive sampling was conducted on the altered shear zone

extending over approximately 600m along the southern shores of the Opinaca River. Most of the assays returned weak anomalous gold values. However, a blue quartz eye felsic tuff unit containing 10-15%PY ±traces CPY and a dacite containing 2% disseminated/stringer sulphides returned 1.72 & 3.17 g/t Au respectively.

Finally, disseminated and semi-massive to massive PY-PO mineralization is locally observed within silicified iron formations. They are usually coincident with strong E.M inputs and surface gossans. However, sulphidized and silicified iron formations prospected in the Lac Elmer area did not return significant gold or base metals values.

## **7) PROPERTY HIGHLIGHTS**

The geological setting of the Solo property appears to be favourable for economic auriferous massive sulphides (Bousquet-type mineralization).

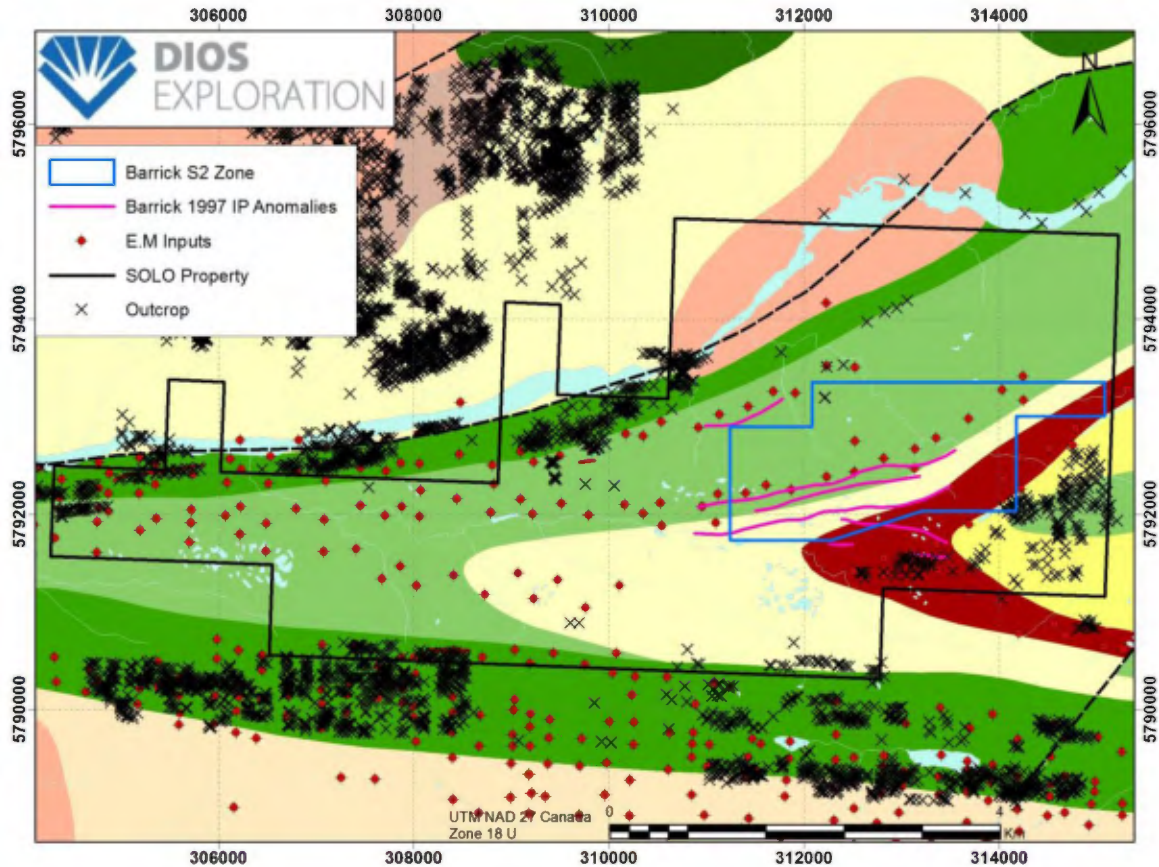
- The Solo property covers a poorly explored and undrilled folded sequence of felsic to intermediate volcanics/tuffs part of the Wabamisk Formation, about 10km long by 1-3km wide. The prospective S2 Zone is a non-outcropping target, covered by swamps, muskegs and creeks (Figure 14).

- The drill-testing of the S2 anomaly (DDH LE98-J) was previously proposed by Barrick in 1998 as a second priority target (Figure 15).

- The property covers untested I.P anomalies outlined by Barrick in 1997, extending over a minimum strike length of 2.5km (GM 5584). The 1<sup>st</sup> priority I.P anomalies P05-P06-P07 are oriented W-SW, sub-parallel to the general orientation of the stratigraphy. They are open along strike, to the east and west. According to the geological interpretation provided by Barrick, these anomalies could represent sulphide horizons hosted at the contact between intermediate volcanics overlain by felsic tuffs. The P-07 anomaly is coincident with a high magnetic lineament and strong E.M. inputs extending over several kilometers, probably representing an iron formation. The P-05 and P-06 anomalies are

located within a magnetic low (Figure 16). At the Lac Elmer A21 Zone and Lidge showing, weak to strong I.P anomalies are also located within a magnetic low.

Figure 14: Barrick S2 Zone vs. Outcrops

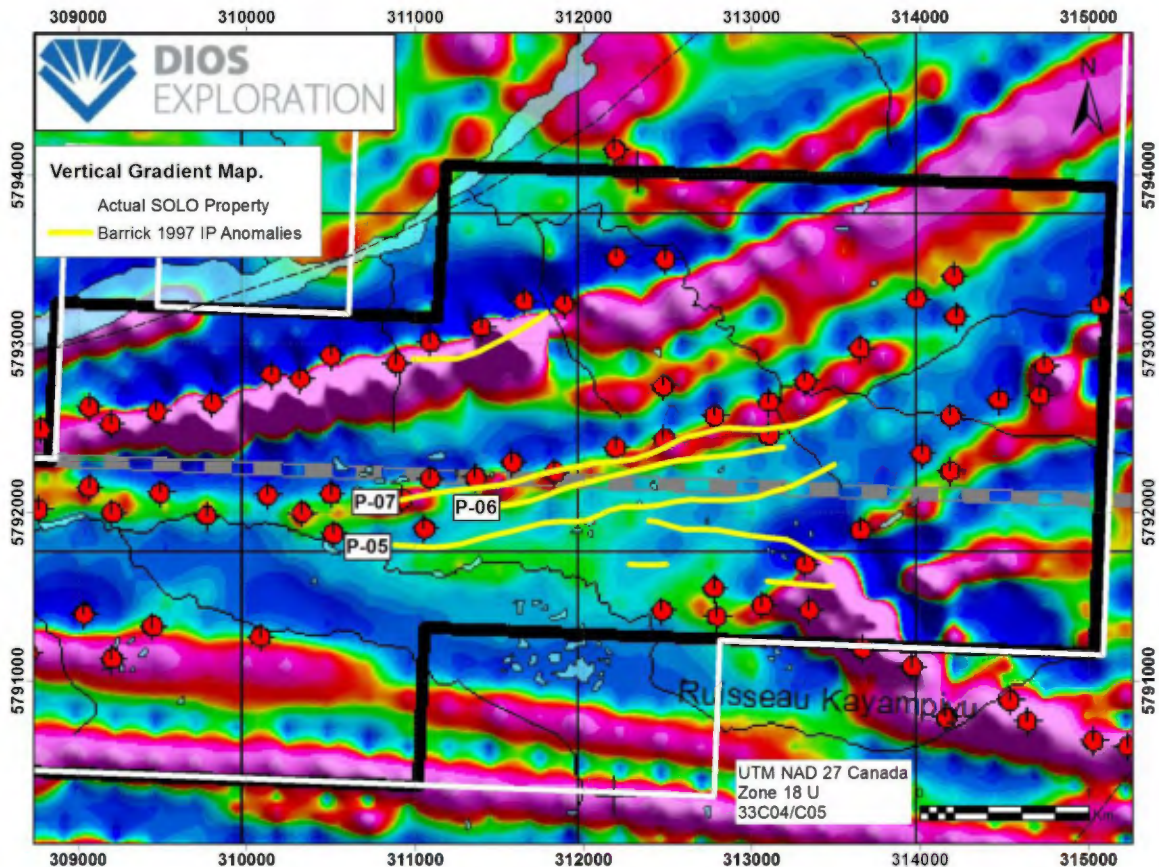


- The geophysical anomalies are coincident with a significant regional gold-in-soil anomaly. The S2 Zone, consisting of humus anomalies (95th percentile) ranging from 20 to 39 ppb Au, was first outlined in 1996 by Barrick (GM 54391). The S2 Zone and Lac Elmer A 21 Zone were clearly delineated by the same regional soil survey. Additional detailed soil sampling in 1997 (GM 55866) on the S2 Zone delineated the polymetallic 1-A Zone Au-As-Sb-Pb anomaly: humus ranging from 6-14ppb Au, >4ppm As, >5ppm Pb & >0.8ppm Sb.



also hosted within a cherty tuff similar to the Lidge/Lucille stratabound gold horizons. Mineralized cherty horizons suggest the presence of distal exhalative hydrothermal vent activity, sometimes associated with Archean VMS deposits.

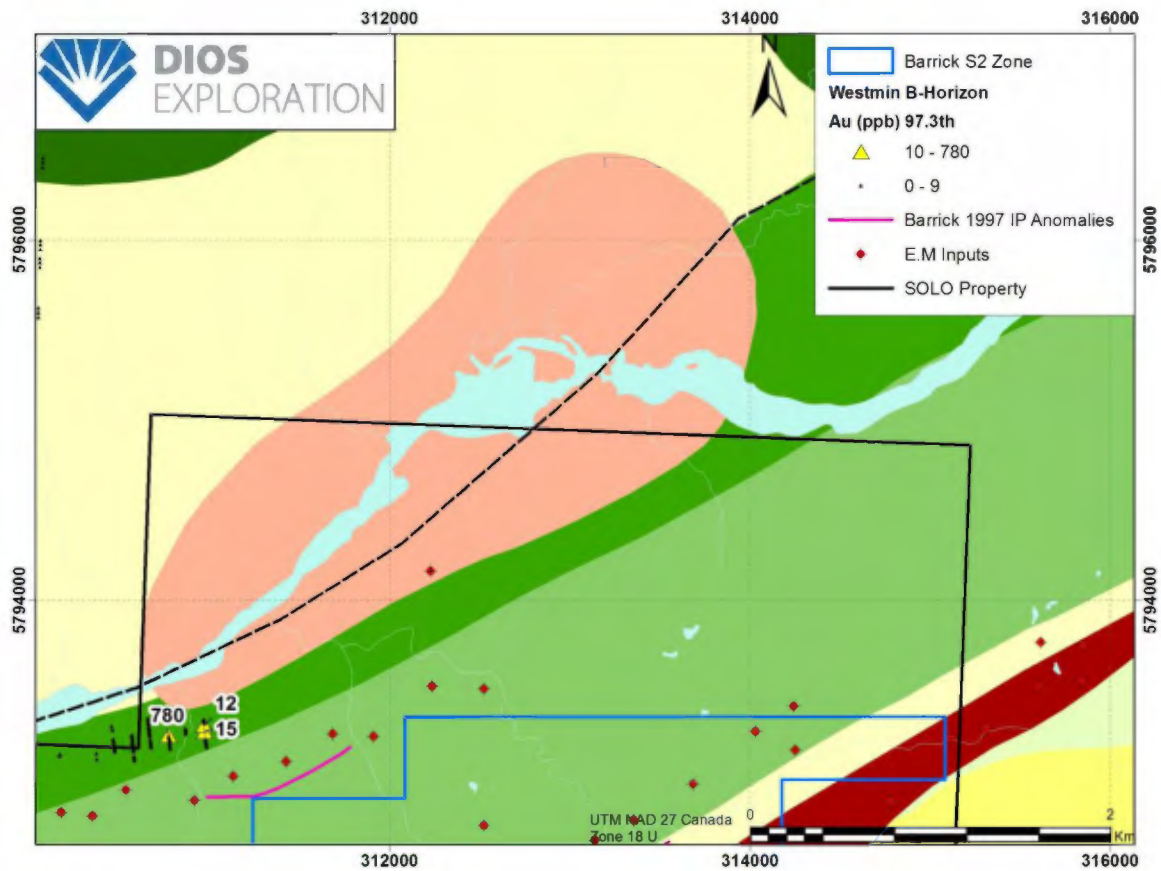
Figure 16: I.P Chargeability Anomalies P-05 & P-06 within Magnetic Low



- Finally, shear zone-hosted gold deposits related to the regional Opinaca Fault should also be considered, especially within competent rocks, such as the felsic intrusion located at the northeastern limit of the property (figure 17). So far, exploration work was concentrated along the sheared contact between felsic and mafic volcanics. Extensive sampling of strongly sheared and sericitized felsic volcanic/tuff sequences, located about 3km west of the felsic intrusion, returned highly anomalous gold values up to 3.17 g/t Au. The intense sericitization associated with the presence of mineralization suggest that auriferous hydrothermal fluids may have circulated in the Opinaca fault.

The Opinaca fault cuts a felsic intrusion over its entire length. The ductile-brittle transition, from volcanic to intrusive rocks, could be a good structural trap for auriferous hydrothermal fluids. A significant gold-in-soil anomaly (780-15-12 ppb Au) is located about 300m south of the contact between the Opinaca fault and the western margin of the felsic intrusion. Westmin has previously proposed a drill hole under the anomaly, but never completed it. The gold-in-soil anomaly stills remain unexplained, and could have been displaced in an ice-flow direction.

Figure 17: Felsic intrusion cut by the Opinaca fault



## 8) CONCLUSION AND RECOMMENDATIONS

Previous exploration work in the Lac Elmer area led to the discovery of multiple gold occurrences associated with faults, folds, alteration zones, geophysical and/or soil geochemical anomalies. Barrick prospected the Lac Elmer area due to its similarities with the multi-million ounce Doyon-Bousquet-LaRonde gold mining camp: the dominance of calc-alkaline felsic volcanics, the presence of several mineralized zones associated with volcanogenic sulphides (PY-PO±CPY-SP-GL) with Au/Ag ratio <1, extensive sericitic alteration zones, local aluminosilicates-bearing felsic volcanic rocks and the presence of felsic synvolcanic intrusions. The Solo property presents some of these attributes. The S2 Zone still remain unexplained and should be drill-tested, as recommended by Barrick 15 years ago. After a field relocation of Barrick gridline #1, it is recommended to drill-test the I.P. anomalies coincident with gold-in-soil anomalies. Depending on the results, the grid could be extended along strike with additional I.P and soil geochemical surveys. It is also recommended to conduct a short geological mapping and prospecting program on the felsic intrusion located in the northeastern part of the property.

**Proposed Budget:**

- Diamond drilling program (5 holes x 200m x \$450/m\*; \* helicopter-supported, all-included) = \$450 000.

- 10% (planning, administration, report) = \$45 000.

- Contingencies=\$5000

Total = \$500 000.

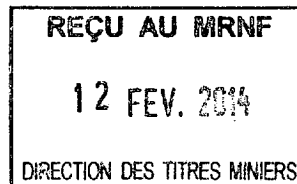
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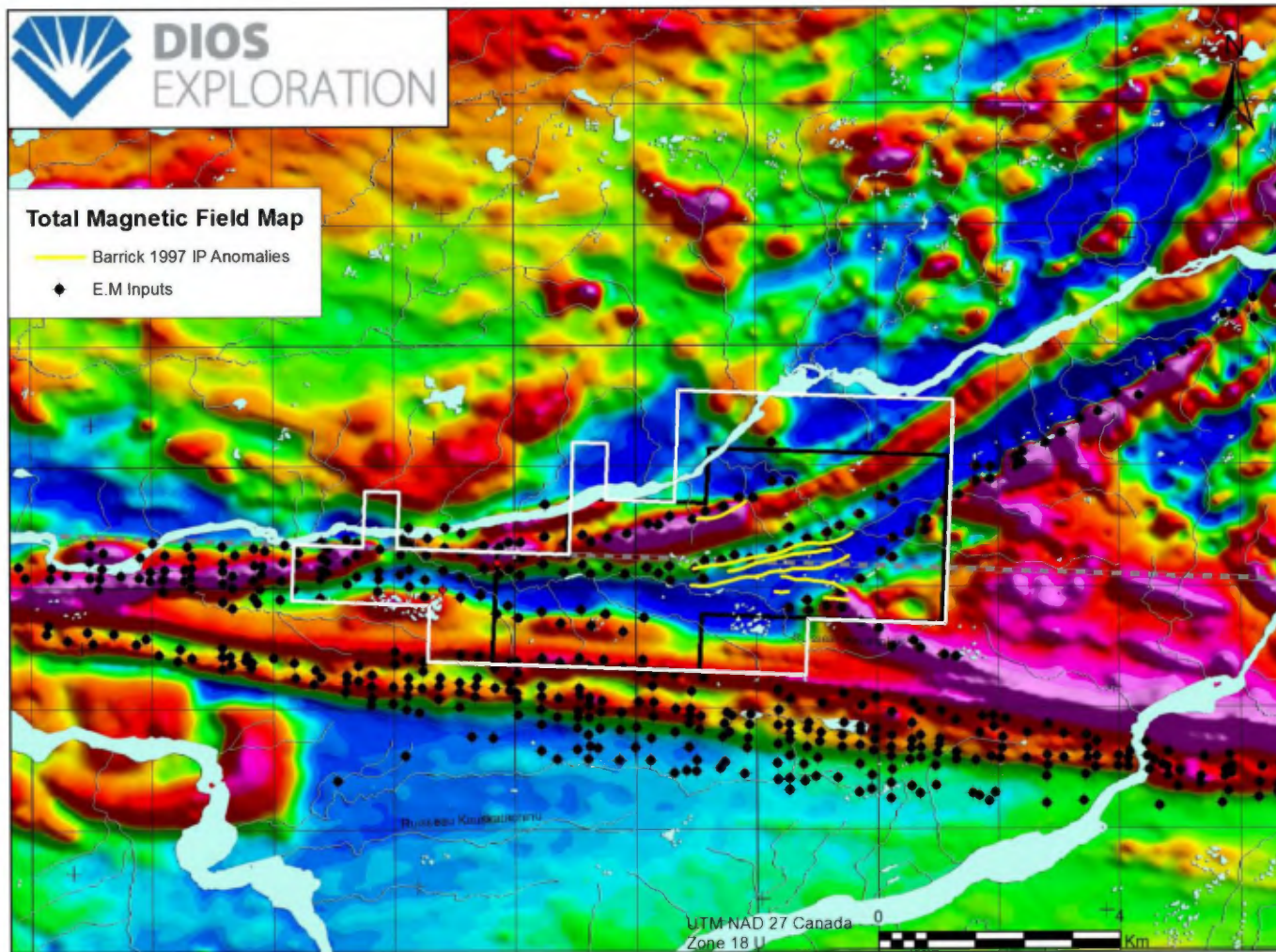
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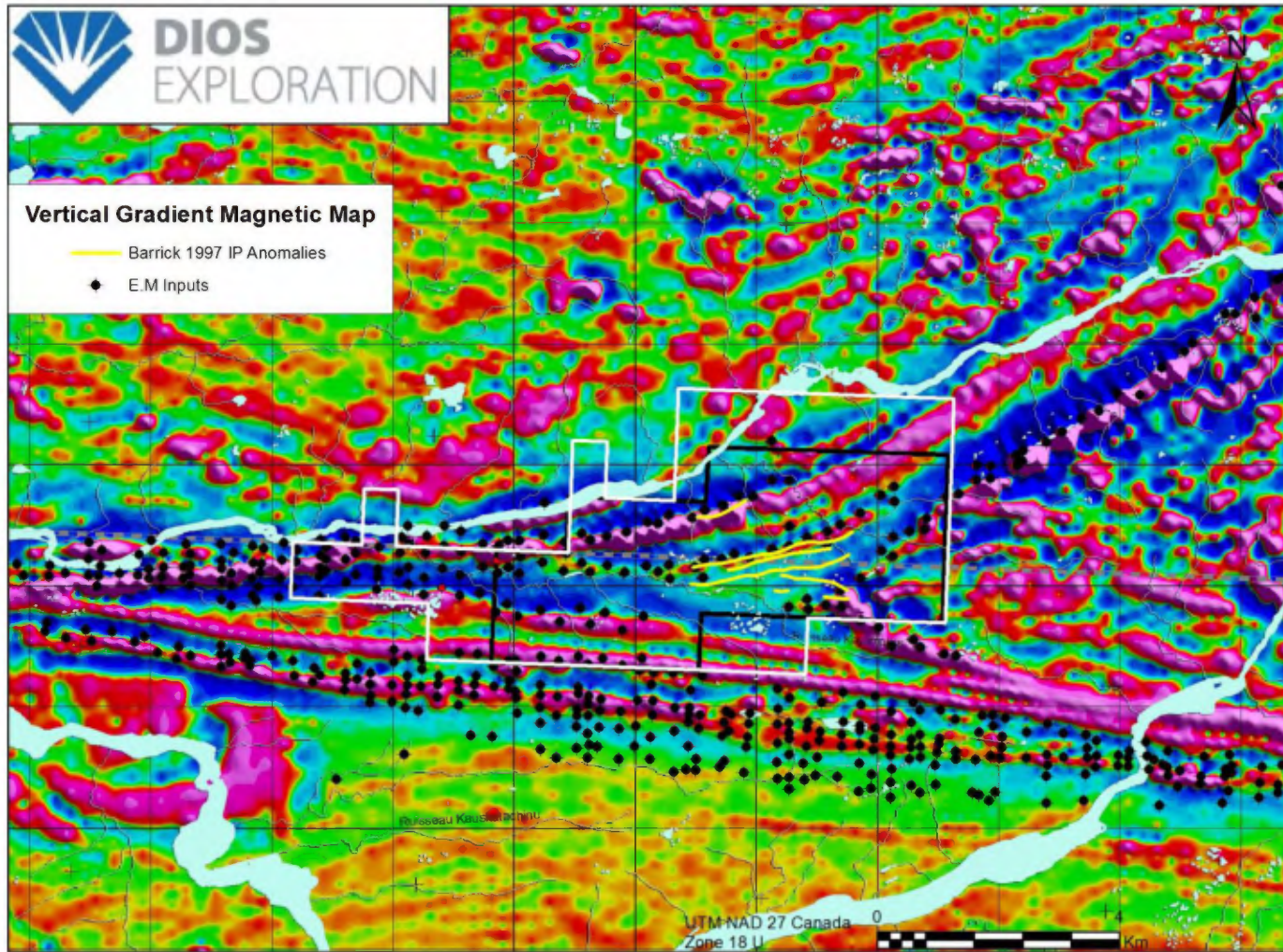
**Annex 1: DIOS SOLO 33C04/C05 Claim List (05/21/13)**

NTS Sheet	Title No.	Row	Column	Surface (Ha)	Type	Status	Registration Date	Expiration Date	Excess (\$)	Required Working Capital (\$)	Rights (\$)
SNRC 33C04	2353990	29	21	52,79	CDC	Active	2012-07-05 00:00	2014-07-04 23:59	0	135	126
SNRC 33C04	2353991	29	22	52,79	CDC	Active	2012-07-05 00:00	2014-07-04 23:59	0	135	126
SNRC 33C04	2346707	29	23	52,79	CDC	Active	2012-05-28 00:00	2014-05-27 23:59	0	135	126
SNRC 33C04	2346708	29	24	52,79	CDC	Active	2012-05-28 00:00	2014-05-27 23:59	0	135	126
SNRC 33C04	2346709	29	25	52,79	CDC	Active	2012-05-28 00:00	2014-05-27 23:59	0	135	126
SNRC 33C04	2346710	29	26	52,79	CDC	Active	2012-05-28 00:00	2014-05-27 23:59	0	135	126
SNRC 33C04	2346711	29	27	52,79	CDC	Active	2012-05-28 00:00	2014-05-27 23:59	0	135	126
SNRC 33C04	2346712	29	28	52,79	CDC	Active	2012-05-28 00:00	2014-05-27 23:59	0	135	126
SNRC 33C04	2363362	29	29	52,79	CDC	Active	2012-09-11 00:00	2014-09-10 23:59	0	135	126
SNRC 33C04	2363363	29	30	52,79	CDC	Active	2012-09-11 00:00	2014-09-10 23:59	0	135	126
SNRC 33C04	2363364	29	31	52,79	CDC	Active	2012-09-11 00:00	2014-09-10 23:59	0	135	126
SNRC 33C04	2371518	30	17	52,79	CDC	Active	2012-11-28 00:00	2014-11-27 23:59	0	135	126
SNRC 33C04	2371519	30	18	52,78	CDC	Active	2012-11-28 00:00	2014-11-27 23:59	0	135	126
SNRC 33C04	2367490	30	19	52,78	CDC	Active	2012-10-24 00:00	2014-10-23 23:59	0	135	126
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SNRC 33C04	2343010	30	27	52,78	CDC	Active	2012-05-02 00:00	2014-05-01 23:59	0	135	126
SNRC 33C04	2343011	30	28	52,78	CDC	Active	2012-05-02 00:00	2014-05-01 23:59	0	135	126
SNRC 33C04	2343012	30	29	52,78	CDC	Active	2012-05-02 00:00	2014-05-01 23:59	0	135	126
SNRC 33C04	2343013	30	30	52,78	CDC	Active	2012-05-02 00:00	2014-05-01 23:59	0	135	126
SNRC 33C04	2343014	30	31	52,78	CDC	Active	2012-05-02 00:00	2014-05-01 23:59	0	135	126
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SNRC 33C04	2343016	30	33	52,78	CDC	Active	2012-05-02 00:00	2014-05-01 23:59	0	135	126
SNRC 33C04	2343017	30	34	52,78	CDC	Active	2012-05-02 00:00	2014-05-01 23:59	0	135	126
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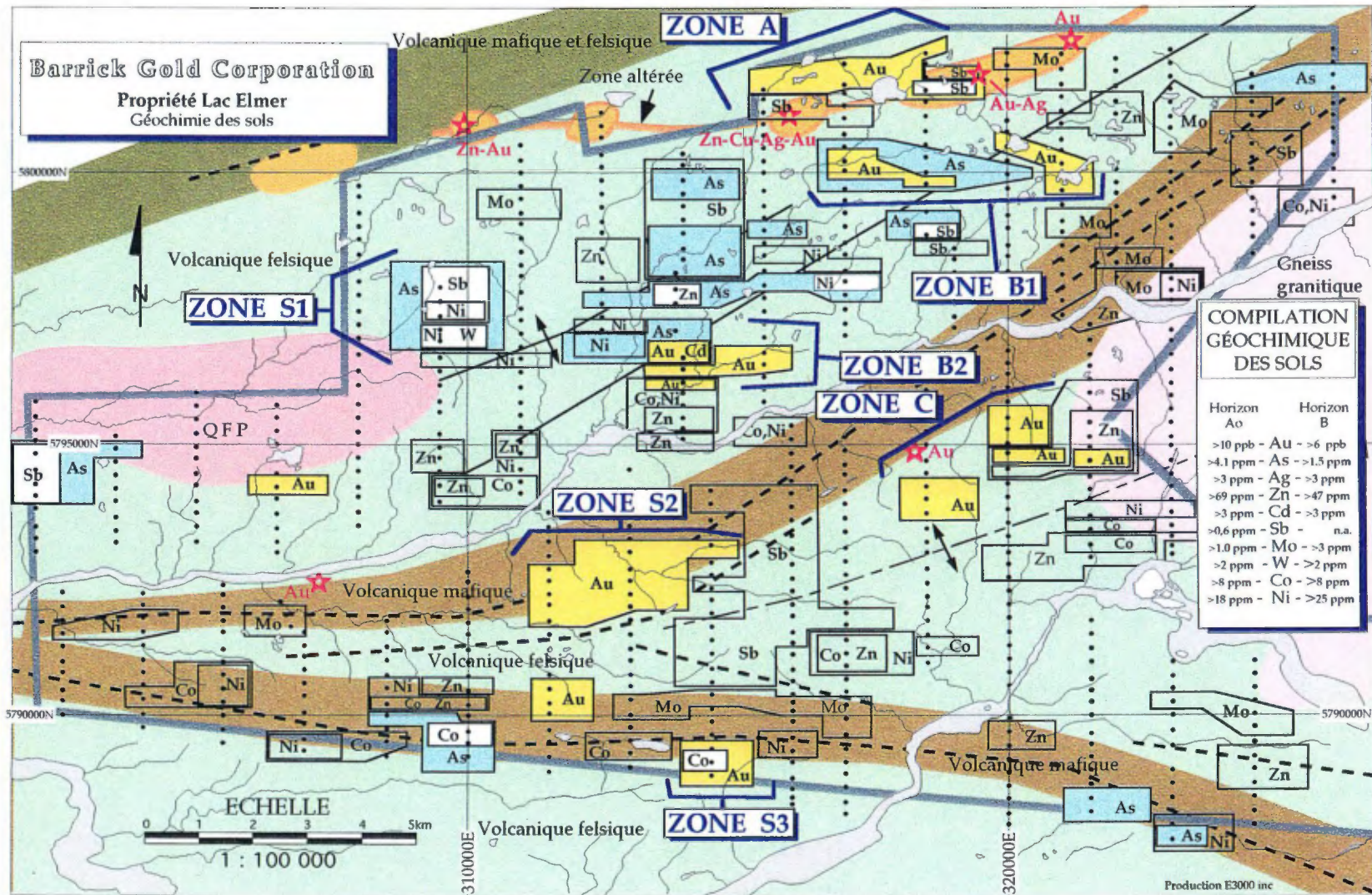
NTS Sheet	Title No.	Row	Column	Surface (Ha)	Type	Status	Registration Date	Expiration Date	Excess (\$)	Required Working Capital (\$)	Rights (\$)
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SNRC 33C05	2343023	1	32	52,77	CDC	Active	2012-05-02 00:00	2014-05-01 23:59	0	135	126
SNRC 33C05	2343024	1	33	52,77	CDC	Active	2012-05-02 00:00	2014-05-01 23:59	0	135	126
SNRC 33C05	2343025	1	34	52,77	CDC	Active	2012-05-02 00:00	2014-05-01 23:59	0	135	126
SNRC 33C05	2343026	1	35	52,77	CDC	Active	2012-05-02 00:00	2014-05-01 23:59	0	135	126
SNRC 33C05	2372374	2	25	52,76	CDC	Active	2012-12-06 00:00	2014-12-05 23:59	0	135	126
SNRC 33C05	2353995	2	28	52,76	CDC	Active	2012-07-05 00:00	2014-07-04 23:59	0	135	126
SNRC 33C05	2346716	2	29	52,76	CDC	Active	2012-05-28 00:00	2014-05-27 23:59	0	135	126
SNRC 33C05	2346717	2	30	52,76	CDC	Active	2012-05-28 00:00	2014-05-27 23:59	0	135	126
SNRC 33C05	2346718	2	31	52,76	CDC	Active	2012-05-28 00:00	2014-05-27 23:59	0	135	126
SNRC 33C05	2343027	2	32	52,76	CDC	Active	2012-05-02 00:00	2014-05-01 23:59	0	135	126
SNRC 33C05	2343028	2	33	52,76	CDC	Active	2012-05-02 00:00	2014-05-01 23:59	0	135	126
SNRC 33C05	2343029	2	34	52,76	CDC	Active	2012-05-02 00:00	2014-05-01 23:59	0	135	126
SNRC 33C05	2343030	2	35	52,76	CDC	Active	2012-05-02 00:00	2014-05-01 23:59	0	135	126
SNRC 33C05	2367491	3	28	52,75	CDC	Active	2012-10-24 00:00	2014-10-23 23:59	0	135	126
SNRC 33C05	2363371	3	29	52,75	CDC	Active	2012-09-11 00:00	2014-09-10 23:59	0	135	126
SNRC 33C05	2363365	3	30	52,75	CDC	Active	2012-09-11 00:00	2014-09-10 23:59	0	135	126
SNRC 33C05	2363366	3	31	52,75	CDC	Active	2012-09-11 00:00	2014-09-10 23:59	0	135	126
SNRC 33C05	2363367	3	32	52,75	CDC	Active	2012-09-11 00:00	2014-09-10 23:59	0	135	126
SNRC 33C05	2363368	3	33	52,75	CDC	Active	2012-09-11 00:00	2014-09-10 23:59	0	135	126
SNRC 33C05	2363369	3	34	52,75	CDC	Active	2012-09-11 00:00	2014-09-10 23:59	0	135	126
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Annex 2: Geophysics Maps

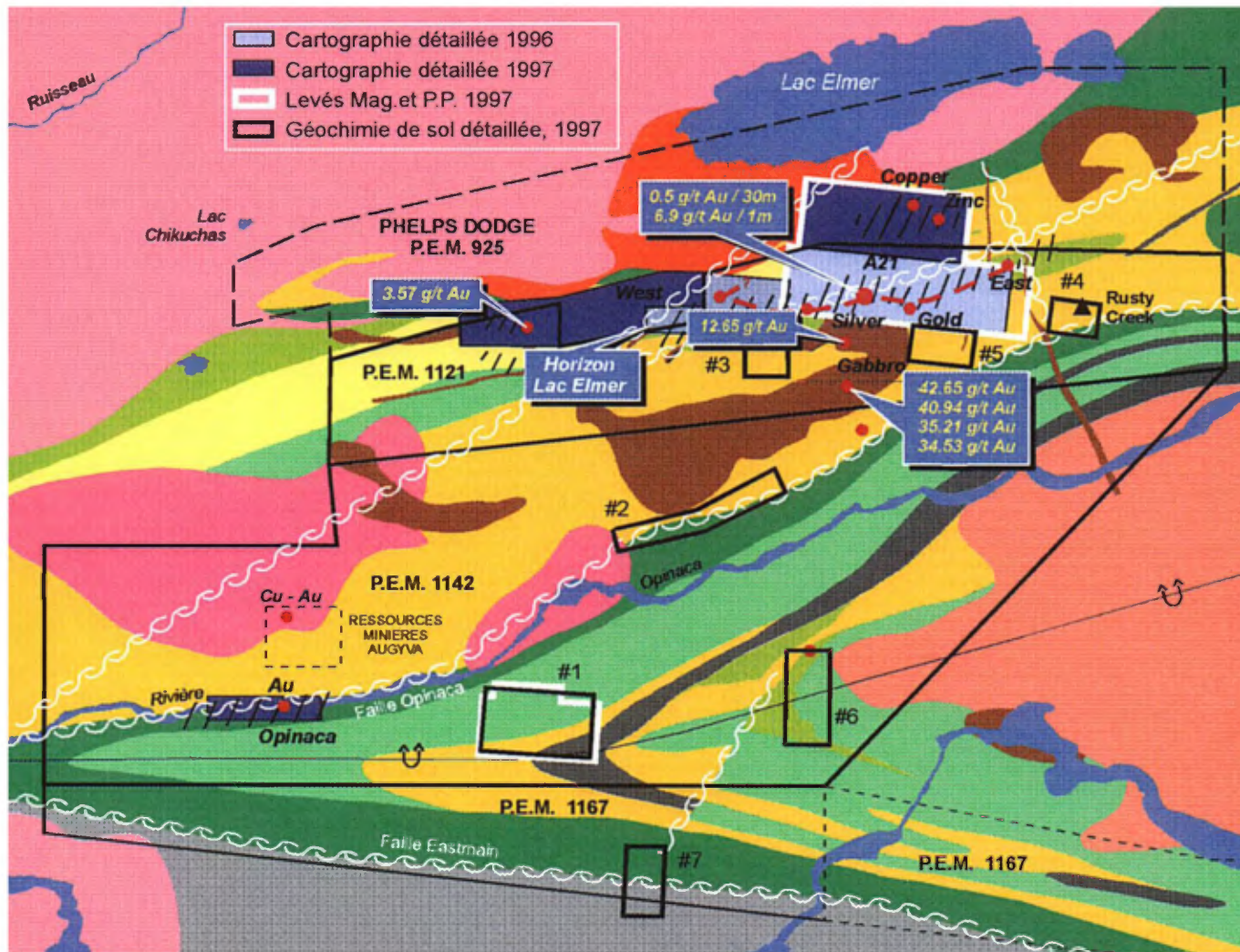




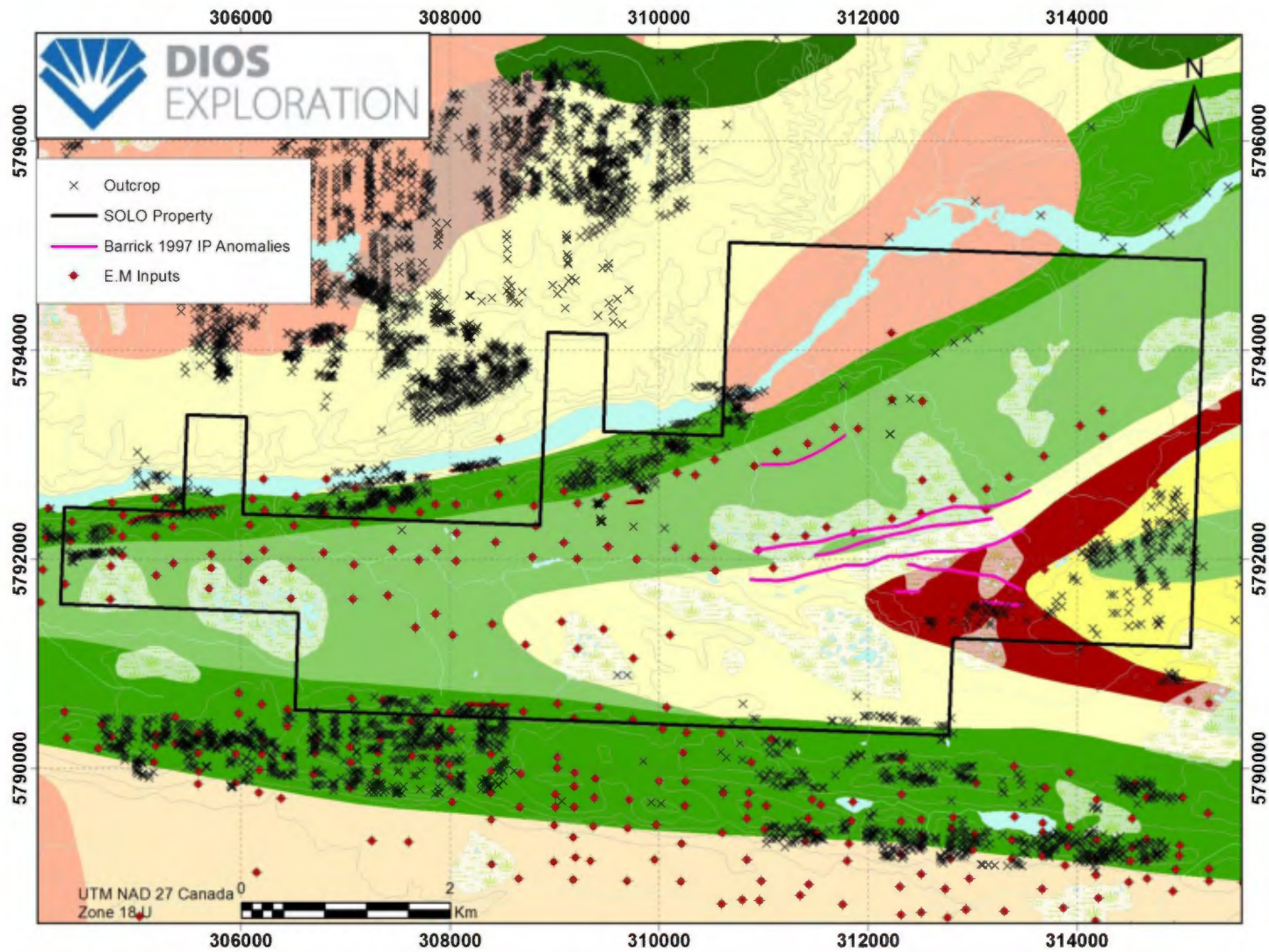
Annex 3: Barrick 1996 Soil-Humus Anomalies (from GM 54391)



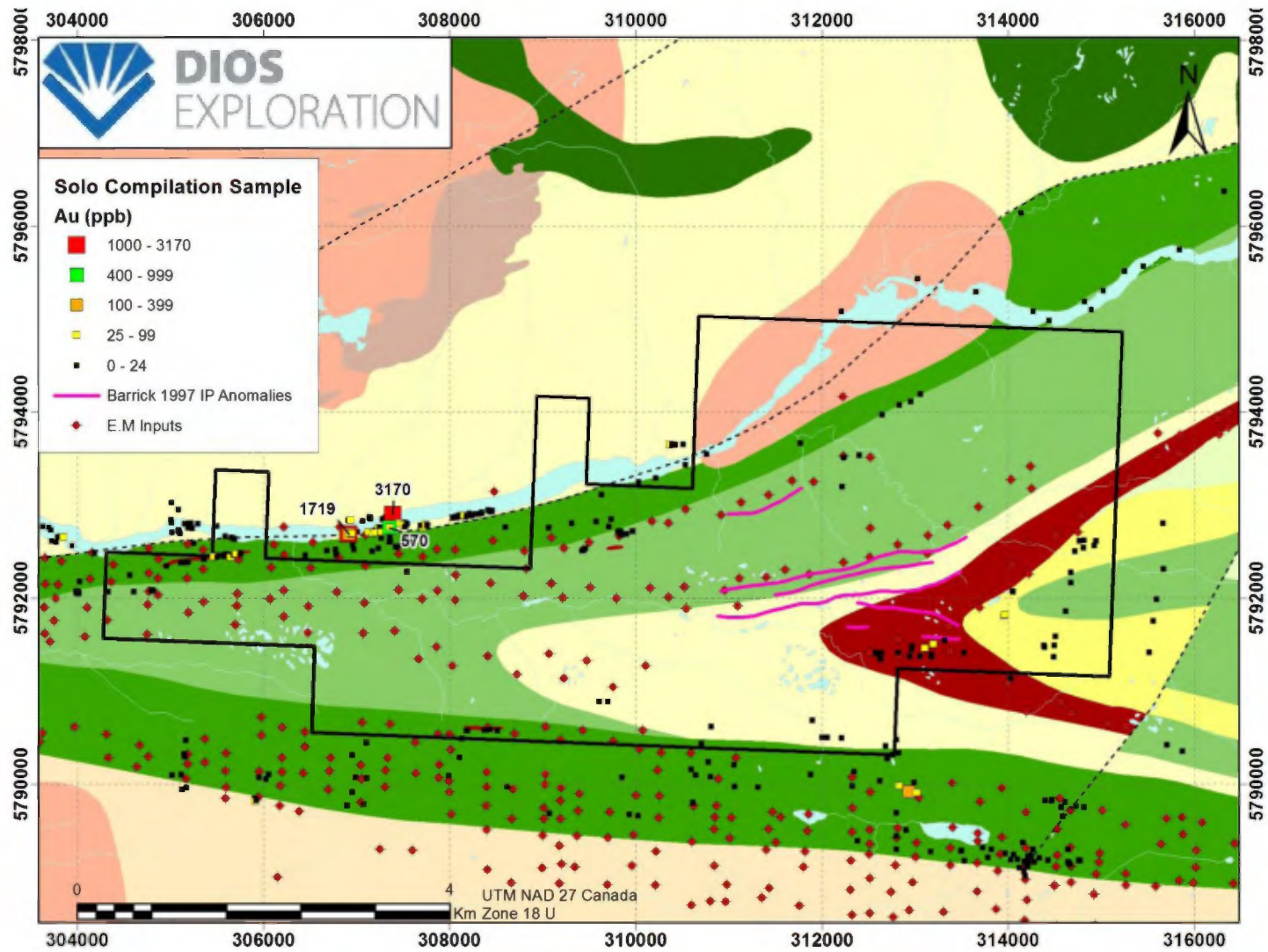
Annex 4: Barrick 1997 Soil-Humus Geochemical and I.P Surveys (from GM 55790)



Annex 5: Outcrop Compilation



### Annex 6: Sample Compilation



Sample	UTM x (Nad 27)	UTM y (Nad 27)		Lithology	Mineralization	Alteration	Comments	Au (ppb)	Ag (ppm)	Cu (ppm)
8502	316888	5795929	Barrick	V2			Sheared	0	0	19
8503	317115	5796020	Barrick	V2		ANK	Sheared	0	0	24
8504	317403	5796166	Barrick	V2			Sheared	0	0	42
8505	317709	5796403	Barrick	V2			Sheared	0	0	39
8514	318933	5795327	Barrick	S9D		CC,ANK,SR	Sheared	8	0	17
8515	313030	5795430	Barrick	I1B				0	0	9
8516	312210	5795080	Barrick	I1C			Brecciated	0	0	2
8539	309631	5793110	Barrick	V3B			Sheared	0	0,2	46
8541	317446	5794491	Barrick	V1D		CC	Sheared	0	0	23
8551	309855	5790070	Barrick	V3B		CL		0	0	133
8552	309930	5789673	Barrick	V3B		CL		0	0	49
8553	309075	5789684	Barrick	V3B				7	0	78
8554	308619	5789973	Barrick	V3B		CC	Sheared	6	0	154
8555	308109	5790285	Barrick	V3B		CC-CL	Sheared	7	0	119
8556	316789	5792492	Barrick	T2		CC,EP,CL	Sheared	0	0	16
8557	316754	5792800	Barrick	T2X		CC	Sheared	0	0	6
8558	316654	5793330	Barrick	T2L		CL+	Sheared	0	0	46
8559	316608	5793802	Barrick	T2L		CC	Banded	6	0	21
8560	316868	5793899	Barrick	T2L		CC	Sheared	8	0	40
8561	317800	5793660	Barrick	V2				8	5	0
8562	318080	5794420	Barrick	T2L		CL,ANK	Sheared	6	0	34
8563	305252	5792589	Barrick	T2		BO,ANK		6	0,4	19
8564	305235	5792749	Barrick	V1D			Sheared++	0	0	13
8566	304568	5792244	Barrick	V3B		CL	Sheared	7	0	112
8567	304333	5792070	Barrick	V2			Sheared	7	0	5
8568	304028	5792177	Barrick	V3B		CC,CL	Sheared	5	0	42
8569	303487	5792253	Barrick	V3B		CL	Sheared	6	0,2	88
8570	307140	5792872	Barrick	V1D		SR	Sheared	6	0	11
8587	316803	5791667	Barrick	V2		BO	Sheared	0	0	30
8588	316697	5791109	Barrick	V2	MG	CC	Sheared	0	0	24
8589	316666	5790938	Barrick	V2		CC,SR	Sheared	0	0,3	57
8590	315871	5790357	Barrick	V2		SR,ANK	Sheared	0	0,2	10
8591	315704	5790421	Barrick	V2		SR		0	0,2	16
8592	314267	5795084	Barrick	V3B		SR	Pillowed, sheared	0	0,2	197

Sample	UTM x (Nad 27)	UTM y (Nad 27)		Lithology	Mineralization	Alteration	Comments	Au (ppb)	Ag (ppm)	Cu (ppm)
8593	314821	5795187	Barrick	V2	trPY	SR	Sheared	0	0,2	46
8594	315021	5795301	Barrick	V2		BO	Sheared	0	0	5
8595	315248	5795510	Barrick	V3B		CL	Sheared	0	0	131
8596	315840	5795748	Barrick	V3B		CL	Sheared	0	0,2	91
8597	313656	5795290	Barrick	I1B				0	0	14
8598	314438	5794986	Barrick	V3B			Brecciated, sheared	0	0	94
8599	314896	5795102	Barrick	V1D		CL	Sheared	0	0	31
8600	315450	5795565	Barrick	V3B		CL	Sheared	0	0	91
9661	301474	5792475	Barrick	T2			Sheared	0	0	8
9662	305015	5793025	Barrick	T2		BO+	Sheared	0	0	5
9663	305013	5792813	Barrick	V1D			Sheared	0	0	6
10504	301246	5791090	Barrick	V3B		CC	Sheared	0	0	119
10505	301227	5790791	Barrick	V3B		CC	Sheared	6	0	90
10506	301205	5790647	Barrick	S3				0	0	30
10507	302850	5790500	Barrick	V2			Sheared	0	0	62
10515	311317	5789970	Barrick	I3A				0	0	14
10516	311065	5789974	Barrick	V3B				0	0	90
10517	310803	5790080	Barrick	V3B		CC+		0	0	116
10518	310780	5790240	Barrick	V3B		CC+		0	0	155
10519	310810	5790617	Barrick	T1X		CL		0	0	17
10520	312800	5790480	Barrick	T1X		CL		0	0	20
10521	314584	5789657	Barrick	V3B		ANK		0	0	107
10522	313819	5789300	Barrick	V3B		CB		0	0	106
10523	313785	5789214	Barrick	V3B		CB		0	0	5
10524	313169	5789276	Barrick	V3B				0	0	96
10525	312797	5789296	Barrick	V3B				6	0	120
10526	312803	5789440	Barrick	V3B		CB		0	0	26
10527	312798	5789690	Barrick	I3A		CB+		0	0	124
10528	312829	5789978	Barrick	V3B		CC		31	0	158
10529	312330	5789979	Barrick	V3B		CB+++		0	0	66
10530	312330	5789980	Barrick	I2J		CC		0	0	10
10531	307167	5792506	Barrick	V3B				0	0	102
10532	306940	5792835	Barrick	V1B		SR++,ANK+	Sheared+	43	1,3	45
10533	306910	5792835	Barrick	V1B		SR+,CL++		6	0,8	35

Sample	UTM x (Nad 27)	UTM y (Nad 27)		Lithology	Mineralization	Alteration	Comments	Au (ppb)	Ag (ppm)	Cu (ppm)
10534	307529	5792783	Barrick	V1D		SR		0	0	20
10535	307585	5792585	Barrick	V3B			Pillowed	0	0	48
10536	308108	5792890	Barrick	V1B		SR++	Sheared ++	0	0	6
10537	308600	5792760	Barrick	V3B				0	0	52
10538	314496	5791491	Barrick	V1D				0	0	22
10539	314510	5791590	Barrick	V1D			Brecciated	0	0	39
10540	314620	5791856	Barrick	V2		CC	Brecciated	0	0	37
10541	314674	5792165	Barrick	V2		CC	Brecciated	0	0	30
10542	314672	5792279	Barrick	V1D		BO,SR,ANK	Brecciated	10	0	32
10543	314713	5792506	Barrick	T1L		ANK,CL		0	0	4
10545	315660	5792805	Barrick	V1D				7	0	22
10546	315667	5792314	Barrick	V2				7	0	23
10547	315593	5791987	Barrick	V2				8	0	41
10548	315558	5791757	Barrick	V1D				6	0	12
10549	315517	5791419	Barrick	V1D				0	0	16
10618	305168	5790471	Barrick	V3B			Brecciated	0	0	81
10619	305155	5790294	Barrick	V3B			Sheared	0	0	119
10620	305126	5789942	Barrick	V1D				0	0	59
10621	306957	5789910	Barrick	V3B		CC++	Brecciated	0	0	90
10622	306991	5790070	Barrick	V3B			Sheared	0	0	105
10623	306954	5790314	Barrick	V3B			Sheared	0	0	111
10644	310029	5793248	Barrick	V1D		BO		9	0	15
10645	310533	5793431	Barrick	V1D	1%PY			0	0	5
10646	308417	5792944	Barrick	V1D		SI-CC	Sheared	0	0	9
10647	308417	5792945	Barrick	I2J			Sheared	0	0	12
10648	307207	5792733	Barrick	V1D		SR	Sheared	0	0,4	4
10649	307010	5792711	Barrick	V1D		SR-CL-FC		0	0,4	31
10650	304183	5792483	Barrick	V1D		SR,CL	Sheared	0	0	6
10651	303856	5792649	Barrick	T1				25	0,1	6
10652	301399	5792022	Barrick	V2			Sheared+	255	0,2	24
10653	300308	5792570	Barrick	T1			Cherty	7	0	12
13505	308213	5792906	Barrick	V1D				8	0,2	75
13521	303693	5792762	Barrick	V1D			Sheared	0	0	3
13522	303634	5792766	Barrick	QP	1%PY		Sheared	0	0	8

Sample	UTM x (Nad 27)	UTM y (Nad 27)		Lithology	Mineralization	Alteration	Comments	Au (ppb)	Ag (ppm)	Cu (ppm)
13523	303719	5792731	Barrick	V1D		BO,SR,CL	Sheared+	0	0	63
13524	307313	5792864	Barrick	V1D	3%PY	SI,SR	Sheared+	0	0,2	23
13525	307283	5792850	Barrick	V1D	2%PY	SI,SR	Sheared+	0	0,4	37
13526	307153	5792856	Barrick	V1D	2%PY	SR,CL	Sheared+	0	0,2	9
13527	305158	5792797	Barrick	V1D	1%PY		Sheared	0	0	14
13528	305296	5792801	Barrick	V1D	trPY	BO,CL	Sheared+	0	0,4	2
13529	305497	5792772	Barrick	V1D	1%PY	BO,CL,SR	Sheared+	0	0	10
13530	305691	5792633	Barrick	V1D	1%PY	SR	Sheared+	0	0,2	15
13531	305684	5792638	Barrick	QFP		BO,SR	Sheared	0	0	0
13532	305592	5792664	Barrick	QFP			Sheared	0	0	0
13533	305019	5792707	Barrick	V1D		BO,SR,CL	Sheared+	0	0	22
13534	305085	5792733	Barrick	T1	2%PY	BO,SR,CL	Sheared+	10	0,5	115
13535	305194	5792758	Barrick	V1D	trPY	SR,CL	Sheared++	0	0	5
13536	305237	5792749	Barrick	V1D	trPY	SR,CL	Sheared+	0	0,2	5
13537	305009	5792842	Barrick	V1D	trPY	CL,SR	Sheared	0	0	24
13538	305086	5792950	Barrick	V1D	trPY	BO	Sheared	0	0	4
13540	307147	5792861	Barrick	Schist	2%PY	SR,FC	Schist	0	0	3
13541	303794	5792656	Barrick	Schist	2%PY	SR,CL		0	0	6
13542	303771	5792603	Barrick	Schist	1%PY	SR		0	0,2	6
13543	303946	5792567	Barrick	V1D	1%PY	BO,SR	Sheared++	0	0	4
13575	314247	5789210	Barrick	V3B		CL	Sheared	7	0	131
13576	314337	5789207	Barrick	I3A		CL	Sheared+	0	0,2	53
13577	314199	5789135	Barrick	V3B		CL	Sheared	0	0	133
13578	314030	5789190	Barrick	V3B		SI	Sheared+	0	0	2
13579	313968	5789257	Barrick	V3B				0	0	76
13580	314667	5789131	Barrick	V3B			Sheared	0	0	68
13583	318289	5792874	Barrick	V2		BO+,CC,SI	Sheared	22	0	45
13584	316828	5792464	Barrick	V1D	1-2%PY	BO		0	0	10
13585	316737	5792505	Barrick	M16				9	0	107
13586	317080	5793867	Barrick	V1D			Sheared	0	0	12
13587	305171	5789962	Barrick	Schist	trPY			0	0,3	30
13588	305118	5790102	Barrick	V3B	trPY		Sheared+	0	0	22
13589	306027	5790054	Barrick	V3B		CL	Sheared	0	0	113
13590	305908	5789823	Barrick	Schist	1%PY			0	0,3	101

Sample	UTM x (Nad 27)	UTM y (Nad 27)		Lithology	Mineralization	Alteration	Comments	Au (ppb)	Ag (ppm)	Cu (ppm)
13591	305920	5789816	Barrick	Schist	2%PY	SR		30	0	73
13598	300480	5790971	Barrick	V3B	trPY	CL	Sheared	0	0	91
13599	300475	5790950	Barrick	V3B	trPY	CL	Sheared+	0	0	37
15702	306450	5792458	Barrick	V3B	trPY	CB-CL	Sheared, pillowed	0	0	102
15703	306685	5792511	Barrick	V3B		CL	Sheared, 5% fractures CC	5	0	108
15704	306775	5792523	Barrick	V3B		CL	Sheared, fractures CC	0	0	112
15705	306783	5792474	Barrick	V3B			Sheared	0	0	107
15706	306976	5792522	Barrick	V3B			Sheared, fractures filled with QZ and CC	6	0,2	111
15707	307235	5792534	Barrick	V3B			Sheared, fractures filled with QZ and CC	10	0	93
15708	307270	5792644	Barrick	I3A				6	0	51
15709	307232	5792756	Barrick	Schist		SR++	Schist	7	0	2
15710	307246	5792751	Barrick	T3			I3?, sheared	54	2,8	45
15711	307361	5792657	Barrick	I3A			Sheared	12	0	118
15712	307369	5792613	Barrick	V3B	trPY		Sheared	6	0	122
15713	307481	5792564	Barrick	V3B			Sheared	0	0	77
15714	307575	5792581	Barrick	V3B	trPY		Sheared, fractures filled with QZ and CC	7	0	126
15715	307569	5792600	Barrick	V3B				8	0	20
15716	309736	5792846	Barrick	V3B	trPY		Pillowed, sheared, amphibolite	6	0,2	69
15717	309574	5792824	Barrick	V3B			Sheared	6	0	72
15718	309311	5792804	Barrick	V3B	trPY		Sheared, fractures filled with QZ and CC	0	0	76
15719	309066	5792755	Barrick	V3B			Sheared, fractures filled with QZ and CC	6	0,2	97
15720	307522	5792808	Barrick	Schist	2%PY	SR	Schist	6	0	7
15721	307542	5792801	Barrick	T1	2%PY	SR+	Sheared+	8	0,2	52
15795	312217	5793198	Barrick	V2			Sheared	0	0	28
15796	312234	5793511	Barrick	V2		CL	Sheared	0	0	39
15797	312404	5793535	Barrick	V2		CL	Sheared	0	0	43
15799	312646	5793974	Barrick	V2			Sheared	0	0	36
15800	312829	5794075	Barrick	V3B			Sheared	0	0	121
15874	312951	5794115	Barrick	V3B		SI	Sheared	0	0	138
15875	313061	5794195	Barrick	V3B		CL	Sheared, pillowed	0	0	77
15907	314140	5796138	Barrick	V3B	trPY	BO-CL	Sheared	0	0,2	179
15961	313174	5791395	Barrick	T1	1%PY	SR	Sheared	0	0	40
15962	312942	5791373	Barrick	T1		SR,CL	Sheared	5	0	27
15963	312642	5791408	Barrick	T2	trPY	SR,CL	Sheared	0	0	18

Sample	UTM x (Nad 27)	UTM y (Nad 27)		Lithology	Mineralization	Alteration	Comments	Au (ppb)	Ag (ppm)	Cu (ppm)
15964	312818	5791410	Barrick	T2	trPY	SR,CL	Sheared	0	0	29
15965	312574	5791409	Barrick	Schist	trPY	SR+,CL	Sheared++	0	0	77
15966	312823	5790334	Barrick	V3B	trPY	CL	Sheared+	0	0	118
15967	312699	5790274	Barrick	V3B		CL	Sheared	0	0,2	101
15968	312345	5790132	Barrick	V3B	trPY	CL	Sheared+	0	0	30
15969	311899	5790687	Barrick	V1D	trPY		Sheared	0	0	53
251506	306859	5792659	Westmin	M8		SR	QZ-SR Schist	5	0	0
251507	306874	5792668	Westmin	M8			QZ-SR schist	20	0	0
251508	306878	5792670	Westmin	M8			QZ-SR schist	130	0	0
251511	306894	5792679	Westmin	M8			QZ-SR schist	25	0	0
251512	306898	5792681	Westmin	M8			QZ-SR schist	30	0	0
251513	306902	5792683	Westmin	M8			QZ-SR schist	100	0	0
251514	306906	5792686	Westmin	M8			QZ-SR schist	40	0	0
251517	307183	5792697	Westmin	M8			QZ-SR schist	30	0	0
251519	307206	5792697	Westmin	M8			QZ-SR schist	10	0	0
251520	306886	5792675	Westmin	M8			QZ-SR schist	20	0	0
251523	307131	5792704	Westmin	M8			QZ-SR schist	30	0	0
251524	307257	5792702	Westmin	M8			QZ-SR schist	15	0	0
251525	307265	5792702	Westmin	M8			QZ-SR schist	5	0	0
251526	307271	5792704	Westmin	M8			QZ-SR schist	90	0	0
251527	310760	5793550	Westmin	T1				15	0	0
251530	310214	5793289	Westmin	T1		SR	FP crystals	0	0	0
251531	307518	5792766	Westmin	T1			Blue Qz crystals	15	0	0
251532	307361	5792757	Westmin	M8			QZ-SR schist	60	0	0
251533	307356	5792758	Westmin	M8			QZ-SR schist	570	6	5
251534	310507	5793653	Westmin	T1X		SR	Sheared	20	0	0
251535	310422	5793654	Westmin	T1X		SR	Sheared	10	0	0
251536	310417	5793645	Westmin	T1X		SR	Sheared	5	0	0
251537	310421	5793645	Westmin	T1X		SR	Sheared	5	0	0
251538	310400	5793651	Westmin	T1X		SR	Sheared	5	0	0
251539	310388	5793647	Westmin	T1X		SR	Sheared	10	0	0
251540	310370	5793645	Westmin	T1X		SR	Sheared, rusty	30	0	0
251541	310355	5793641	Westmin	T1X		SR	Sheared, rusty	0	0	0
251542	309972	5792719	Westmin	S9D				0	0	0

Sample	UTM x (Nad 27)	UTM y (Nad 27)		Lithology	Mineralization	Alteration	Comments	Au (ppb)	Ag (ppm)	Cu (ppm)
251543	309964	5792718	Westmin	S9D				0	0	0
251544	309900	5792686	Westmin	V3B	trPY		Graphitic	0	0	0
251545	309854	5792679	Westmin	T3				0	0	0
251546	309847	5792686	Westmin	T3				0	0	0
251547	309843	5792685	Westmin	T3				0	0	0
251548	309839	5792684	Westmin	T3				0	0	0
251549	309836	5792683	Westmin	T3				0	0	0
251550	309835	5792716	Westmin	T3				0	0	0
251551	309839	5792716	Westmin	T3				0	0	0
251552	309827	5792720	Westmin	T3			Rusty	0	0	0
251553	309823	5792718	Westmin	T3			Rusty	0	0	0
251554	309813	5792711	Westmin	S9				0	0	0
251555	309819	5792714	Westmin	S9				0	0	0
251556	309808	5792711	Westmin	S9				0	0	0
251612	302399	5791867	Westmin	T3				0	0	0
251613	302176	5792011	Westmin	V3B	PY			0	0	0
251614	302187	5791969	Westmin	M16				0	0	0
251615	302209	5791962	Westmin	T1	PY-PO			0	0	0
251616	302187	5791842	Westmin	S9				0	0	0
251617	301599	5791805	Westmin	T3				0	0	0
251618	301588	5791870	Westmin					0	0	0
251619	301785	5791863	Westmin					10	0	0
251620	301792	5791835	Westmin	T3				0	0	0
251621	302045	5791858	Westmin					0	0	0
251625	305021	5790096	Westmin	T3				0	0	0
251627	307690	5792777	Westmin	Chert	PY			0	0	0
251628	307694	5792780	Westmin	Chert	PY			0	0	0
251629	307699	5792780	Westmin	Chert	PY			0	0	0
251630	307701	5792781	Westmin	Chert	PY			20	0	0
251631	307713	5792782	Westmin	Chert	PY			0	0	0
251632	307742	5792786	Westmin	Chert	PY			0	0	0
251633	307748	5792788	Westmin	Chert	PY			70	0	0
251634	307758	5792787	Westmin	Chert	PY			0	0	0
251635	308036	5792864	Westmin	M8			QZ-SR schist	0	0	0

Sample	UTM x (Nad 27)	UTM y (Nad 27)		Lithology	Mineralization	Alteration	Comments	Au (ppb)	Ag (ppm)	Cu (ppm)
251636	308047	5792869	Westmin	M8			QZ-SR schist	0	0	0
251637	308087	5792879	Westmin	M8			QZ-SR schist	0	0	0
251638	308127	5792887	Westmin	M8			QZ-SR schist	0	0	0
251639	308158	5792881	Westmin	M8				40	0	0
251640	308184	5792883	Westmin	M8				5	0	0
251641	308213	5792887	Westmin	M8				10	0	0
251642	308228	5792887	Westmin	M8				10	0	0
251643	308279	5792902	Westmin					0	0	0
251644	308334	5792907	Westmin	Chert				0	0	0
251645	308343	5792906	Westmin	Chert				0	0	0
251646	308432	5792929	Westmin	Chert				0	0	0
251647	308441	5792931	Westmin	Chert				0	0	0
251648	308458	5792939	Westmin	Chert				0	0	0
300251	307449	5792807	Barrick	V1D	1%PY	SR	Schist	53	3,5	54
300252	307229	5792753	Barrick	V1		SR++	Schist	6	0,4	3
300253	307250	5792753	Barrick	I3			Mafic Dyke	20	7,1	150
300254	307356	5792602	Barrick	V3B	trPY		Rusty, sheared	0	0	4
300255	307485	5792566	Barrick				Rusty	0	0	5
300256	307502	5792581	Barrick	I3A				0	0	84
300257	309710	5792766	Barrick	I3A				0	0,3	58
300258	307524	5792808	Barrick	V1D	2%PY	SR		0	0,5	42
300259	307544	5792801	Barrick	T1	2%PY	SR+	Sheared+	17	0,4	22
300275	312215	5793197	Barrick	QZVN	trPY-PO	ANK		11	0,6	141
300276	311767	5793662	Barrick					0	0,2	75
300465	313173	5791370	Barrick	S9D	1-2%PY, trCPY	CL	Sheared	0	0,3	48
300466	313053	5791377	Barrick	S9D	1-2%PY	CL	Sheared	0	0,2	18
300467	313053	5791377	Barrick	S9D	1-2%PY	CL	Sheared	8	0,3	38
300468	312819	5791410	Barrick	S9D	1-2%PY	CL	Sheared	0	0,2	27
300469	312597	5791399	Barrick	S9D	1-2%PY	CL	Sheared	0	0,3	88
300470	312600	5791410	Barrick	S9D	1-2%PY	CL	Sheared	0	0,4	41
300471	312764	5790318	Barrick	V3B	trPY	CL	Sheared	0	0	117
300472	312704	5790272	Barrick	Schist		CL+	Sheared++	0	0	21
300473	312625	5790038	Barrick	VNQZ				0	0	7
300509	307717	5792758	Barrick	QP	trPY		Sheared	59	1,5	320

Sample	UTM x (Nad 27)	UTM y (Nad 27)		Lithology	Mineralization	Alteration	Comments	Au (ppb)	Ag (ppm)	Cu (ppm)
300510	307392	5792898	Barrick	V1D	PY	SI-SR-CL	Sheared+	3170	23,9	24
300511	307382	5792890	Barrick	V1D	5%PY, trSP	SI-SR	Sheared++	11	2,6	34
300512	307146	5792861	Barrick	V1	3%PY	SR+,FC	Schist	0	0,5	10
300513	307154	5792863	Barrick	V1	5%PY	SR+,FC	Schist	0	1,5	5
300514	307064	5792828	Barrick	V1D	5%PY	CL	Sheared+	0	1,2	55
300515	305189	5792799	Barrick		trPY			0	0	41
300516	305204	5792802	Barrick		trPY			0	0	14
300517	305223	5792806	Barrick		trPY			0	0	19
300518	305692	5792638	Barrick		trPY			0	0	6
300519	305659	5792652	Barrick	QFP	3%PY		Fractured +	0	0,2	3
300520	303844	5792661	Barrick	Schist	5%PY	SR+,CL	Schist	0	0	69
300521	303825	5792661	Barrick	Schist	7%PY	SR+,CL	Schist	0	0,8	59
300522	303727	5792617	Barrick		2%PY			0	0	15
300539	314214	5789219	Barrick	V3B	4%MG,PY	CL	Sheared, PY-MG stringers	15	0	73
300540	314238	5789239	Barrick	QZVN	PY			6	0	34
300541	314219	5789167	Barrick	QZVN	PY			0	0,2	12
300542	314178	5789168	Barrick	QZVN	PY			0	0	5
300543	314179	5789168	Barrick	QZVN	PY			0	0	43
300544	314180	5789168	Barrick	V3B	5%PY	CL+	Sheared++, PY stringers	14	0,5	701
300545	314209	5789125	Barrick	V3B	PY		Sheared+	6	0	108
300546	314211	5789112	Barrick	QZVN	PY			0	0	7
300547	314101	5789194	Barrick	QZVN	PY			0	0	5
300548	314758	5789181	Barrick	QZVN				6	0	3
300549	314763	5789178	Barrick	QZVN	PY			0	0	0
300550	314768	5789180	Barrick	QZVN				0	0	0
300551	314773	5789173	Barrick	QZVN				0	0,2	0
300552	314645	5789163	Barrick	V3B	3%PY		Sheared+	21	0,4	300
300553	314652	5789157	Barrick	V3B	2%PY		Sheared+	0	0	38
300554	314181	5789019	Barrick	I3A	PY	CC	Sheared++, PY stringers	0	0	34
300555	314168	5789061	Barrick	QZVN	PY			0	0,2	0
300556	314178	5789168	Barrick	QZVN	PY			0	0	54
300557	314179	5789168	Barrick	QZVN	PY			0	0	9
300558	314178	5789168	Barrick	V3B	trPY	CL	Sheared+	0	0,2	10
300564	316751	5792531	Barrick	QZVN	PY			0	0,1	6

Sample	UTM x (Nad 27)	UTM y (Nad 27)		Lithology	Mineralization	Alteration	Comments	Au (ppb)	Ag (ppm)	Cu (ppm)
300565	316725	5792492	Barrick	V1D	PY	BO,CL	Sheared	7	0,3	21
300566	317212	5792684	Barrick	V1D	PY,MG	BO,CL	Sheared	10	0,4	117
300567	305152	5790322	Barrick	V3B	PY	SI	Sheared	0	0	53
300568	305955	5790071	Barrick	V3B	PY,MG		Sheared	0	0	96
300569	306058	5790103	Barrick	VNQZ	PY			0	0	9
300570	306058	5790101	Barrick	V3B	PY		Sheared	0	0	27
300571	305902	5789846	Barrick	Schist	PY			0	0	16
300572	305926	5789826	Barrick	VNQZ	PY			0	0	20
300573	301711	5792033	Barrick	MYL	5%PY-PO		Mylonitized	19	0,2	70
300574	301708	5792037	Barrick	MYL	PY-PO		Mylonitized	934	107	478
300575	301697	5792037	Barrick	MYL	PY-PO-trCPY		Mylonitized	0	0,1	88
300576	301706	5792037	Barrick	V1D	5%PY		Sheared	0	0,2	203
300577	301711	5792044	Barrick	V1D	PY		Sheared+	0	0,2	24
300578	301415	5792022	Barrick	V1D	PY-PO	CL	Sheared+	0	0,2	33
300579	301410	5792017	Barrick	V1D	PY-PO	SR	Sheared+	8	0,2	50
300580	301657	2792037	Barrick	MYL	10%PY-PO		Mylonitized	0	0,2	19
300581	301657	2792038	Barrick	MYL	10%PY-PO		Mylonitized	0	0	42
310156	317799	5793777	Barrick					2800		
89-AO-004	307424	5792554	Westmin					0		
89-AO-005	307432	5792544	Westmin					0		
89-AO-006	308312	5792903	Westmin	Chert				6		
89-AO-007	308072	5792876	Westmin	M8				18		
89-AO-008	308107	5792884	Westmin					17		
89-AO-009	307208	5792699	Westmin	M8				92		
89-AO-010	307317	5792748	Westmin	M8				0		
89-AO-011	307270	5792715	Westmin	M8				4		
AO 0012	311059	5790208	Westmin	V1				0	1	331
AO 0013	311876	5790100	Westmin	T3				0	0	422
AO 0014	312003	5790504	Westmin	S9D				10	0	49
AO 0015	312058	5790505	Westmin	S9D				0	0	29
AO 0016	312212	5790493	Westmin					0	0	38
AO 0017	312682	5790410	Westmin					0	0	63
AO 0018	312936	5789920	Westmin					130	0	154
AO 0019	313020	5789909	Westmin	T3				40	0	91

Sample	UTM x (Nad 27)	UTM y (Nad 27)		Lithology	Mineralization	Alteration	Comments	Au (ppb)	Ag (ppm)	Cu (ppm)
AO 0020	312993	5790020	Westmin	T3				5	0	279
AO 0045	314391	5791472	Westmin	S9D			Z-Fold N093	10	0	42
AO 0046	314022	5791134	Westmin					20	0	33
AO 0047	314026	5791135	Westmin					0	0	27
AO 0048	314029	5791136	Westmin					0	0	27
AO 0049	314382	5791489	Westmin					0	0	26
AO 0050	314383	5791486	Westmin					0	0	20
AO 0051	313951	5791806	Westmin	S9	PY			0	0	29
AO 0052	313960	5791809	Westmin	S9	PY			0	0	32
AO 0053	313969	5791813	Westmin	S9	PY			25	1	16
AO 0054	313968	5791801	Westmin	S9	PY			20	1,5	51
AO 0055	313960	5791801	Westmin	S9	PY			0	0	15
AO 0056	306902	5789773	Westmin	T3				0	0	119
AO 0057	307109	5790448	Westmin	T3			Rusty Pod	0	0	255
AO 0058	307116	5790069	Westmin	S9D				0	0	171
AO 0059	307079	5789783	Westmin	V3B				0	0	37
AO 0060	307990	5790093	Westmin	T3				0	0	46
AO 0061	308134	5790492	Westmin				Gossan	0	0	98
AO 0062	308193	5790576	Westmin	S9D	PO		Graphitic	0	0	52
AO 0063	308516	5790575	Westmin	S9D	PO			0	0	86
AO 0064	308181	5790578	Westmin					0	0	55
AO 0065	308372	5790584	Westmin	S9D				0	0	60
AO 0066	308397	5790584	Westmin	S9D				0	0	38
AO 0067	308432	5790587	Westmin	S9D			Graphite	0	0	77
AO 0068	306953	5792692	Westmin	T1	PY	SR++	Blue QZ Crystals Tuff	25	0	21
AO 0069	306928	5792690	Westmin	T1	PY	SR++	Blue QZ Crystals Tuff	25	0	43
AO 0070	306920	5792689	Westmin	T1	PY	SR++	Blue QZ Crystals Tuff	280	6	20
AO 0071	306963	5792572	Westmin	S9				10	0	42
AO 0072	308154	5792882	Westmin	S9				0	0	61
AO 0073	309422	5792512	Westmin	T3			Folded and crenulated, rusty patches	0	0	23
AO 0074	309439	5792514	Westmin	T3			Folded and crenulated, rusty patches	0	0	30
AO 0075	309446	5792531	Westmin	T3X			PG crystal tuff	0	0	51
AO 0076	309457	5792534	Westmin	T3X			PG crystal tuff	0	0	49
AO 0078	304019	5792050	Westmin			SI+++	Cherty	0	0	0

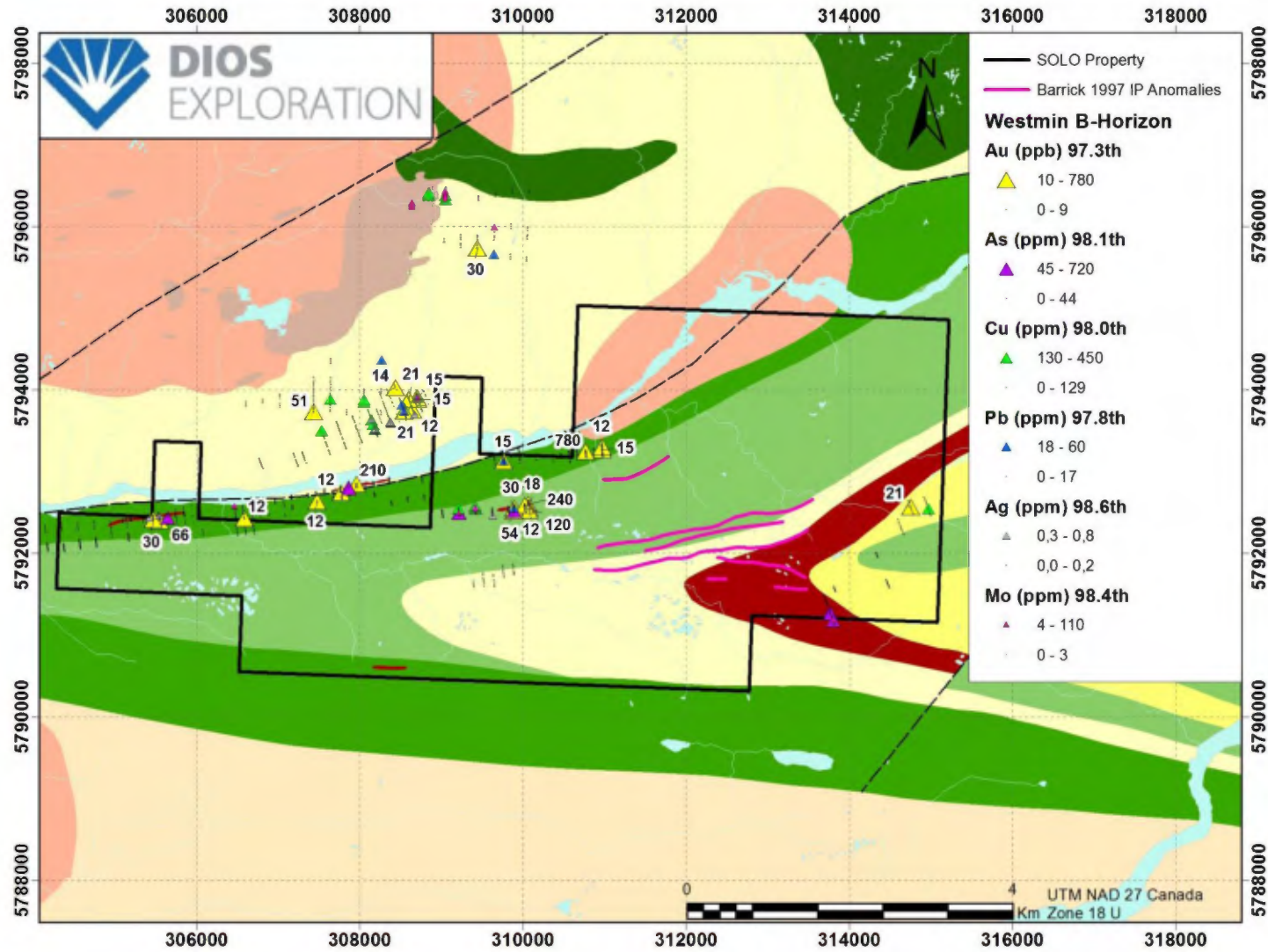
Sample	UTM x (Nad 27)	UTM y (Nad 27)		Lithology	Mineralization	Alteration	Comments	Au (ppb)	Ag (ppm)	Cu (ppm)
AO 0079	304010	5792050	Westmin			SI+++	Cherty	0	0	0
AO 0080	308075	5792863	Westmin	S9	PY-PO			0	0	0
AO 0081	308158	5792884	Westmin	T1				90	0	0
AO 0082	308242	5792892	Westmin	T3	PO			0	0	0
AO 0083	308346	5792919	Westmin	S9	PO			15	0	0
AO 0084	308446	5792936	Westmin	S9D				0	0	0
AO 0085	308450	5792936	Westmin	S9D				5	0	0
AO 0086	304002	5792050	Westmin			SI+++	Cherty	0	0	0
AO 0087	304011	5792066	Westmin			SI+++	Cherty	10	0	0
AO 0088	303997	5792071	Westmin			SI+++	Cherty	0	0	0
AO 0089	303990	5792063	Westmin			SI+++	Cherty	0	0	0
AO 0090	304611	5792069	Westmin	QZVN				0	0	0
AO 0091	304823	5792079	Westmin	T1		SI++		0	0	0
AO 0092	304808	5792079	Westmin	T1		SI++		0	0	0
AO 0093	304799	5792087	Westmin	T1		SI++		0	0	0
AO 0094	304791	5792086	Westmin	T1		SI++		0	0	0
AO 0096	305190	5792390	Westmin				rusty	0	0	0
AO 0097	305186	5792389	Westmin					20	0	0
AO 0098	305167	5792380	Westmin					10	0	0
AO 0099	305750	5792469	Westmin	S9				0	0	0
AO 0100	305649	5792438	Westmin	QZVN			hosted by T3	30	0	0
AO 0101	305653	5792438	Westmin	QZVN			Hosted by T3	45	0	0
AO 0102	305596	5792449	Westmin	S9				10	0	0
AO 0103	305579	5792446	Westmin	S9				5	0	0
AO 0104	305506	5792445	Westmin					0	0	0
AO 0105	305468	5792442	Westmin	S9				35	0	0
AO 0106	305363	5792415	Westmin	Chert	20%PO			0	0	0
AO 0107	305358	5792424	Westmin		PY			20	0	0
AO 0108	305110	5792380	Westmin	Chert				15	0	0
AO 0109	304957	5792347	Westmin				Garnet-Amphibolite schist, 5-10% QZVN	0	0	0
AO 0140	306918	5792686	Westmin	T1	PY	SR++	Blue QZ Crystals Tuff	1719	0	0
AO 0141	306913	5792684	Westmin	T1	PY	SR++	Blue QZ Crystals Tuff	30	0	0
EM-1009	302038	5791981	Westmin	T3				0		
EM-1010	302052	5791988	Westmin	T3				6		

Sample	UTM x (Nad 27)	UTM y (Nad 27)		Lithology	Mineralization	Alteration	Comments	Au (ppb)	Ag (ppm)	Cu (ppm)
EM-1011	302076	5791991	Westmin	T3				32		
EM-1012	302093	5791966	Westmin	T3				0		
EM-1013	302249	5791985	Westmin	T1				0		
EM-1014	302250	5791967	Westmin	T1				58		
EM-1015	301669	5791851	Westmin	T3				0		
EM-1016	301675	5791870	Westmin	T3				3		
EM-1017	301756	5791865	Westmin	T3				0		
EM-1018	305599	5792471	Westmin	Chert				0		
EM-1019	305620	5792468	Westmin	Chert				0		
EM-1020	305677	5792463	Westmin	Chert				0		
EM-1021	305708	5792471	Westmin	Chert				28		
EM-1022	305760	5792486	Westmin	Chert				13		
F-228503	317480	5794480	Cambior	S3			Weak MAG	10	1,5	60
F-228504	317590	5794528	Cambior	S3			Gossan	12	0	0
F-228505	317662	5794500	Cambior	S3		CL	Gossan	8	0	5
F-228506	317741	5794502	Cambior	S3			Gossan	5	2	15
F-228507	317620	5794660	Cambior	S3			Gossan	5	1	5
F-228509	313532	5789176	Cambior	S3				5	3,5	170
F-228510	314428	5789182	Cambior	I3A	trPY		Sheared, Sample=VN QZ-TO (4cm wide) E-W	3	1	30
F-228517	310595	5790156	Cambior	V3B			MAG	10	1	5
F-228551	312961	5791446	Cambior	T2		CL	Weak MAG	10	1	65
F-228552	313106	5791458	Cambior	T2		CL	CL layers	32	2	25
F-228553	313526	5791412	Cambior	T2	5-6%PY	CL	MAG	20	1,5	15
F-228633	305095	5792715	Cambior	T2L			QZVN (6x40cm) 074/84, wall MV-SR-CL	0	0	25
F-228634	305104	5792694	Cambior	(QZ-TO)VN	5-10%PY		VN (8cmx20m) 080/90	22	1	20
F-228635	305505	5792460	Cambior	QZVN	3%PY		White rusty QZVN(10-15cmx8m) 090/90	3	1	10
F-228636	305570	5792460	Cambior	QZVN	1%PY		Boudinaged QZVN (2mx15m) 080/90	0	0	5
F-228637	307545	5792800	Cambior	T2L	4-5%PY	CL	Oxydized QZVN (6cmx40cm) 074/84	20	1,5	84
F-228638	307507	5792789	Cambior	V2	70%PO-PY-CPY		Rusty	13	3	50
F-228639	307508	5792789	Cambior	V3B	1%PY	CL+		60	2	20
F-228706	313200	5791500	Cambior	TC	3-5%PY-GP	SI	Graphitic	28	1	15
F-228730	310024	5789660	Cambior	V3B			Sheared, rusty, layers 25%MG	5	1,5	130
G256410	305095	5792715	Cambior	T2L		SR	SR schist 269/80, QZ veins along the contact with V1D	0	0	0
G256411	305490	5792455	Cambior	T2	3-4%PY			0	0	21

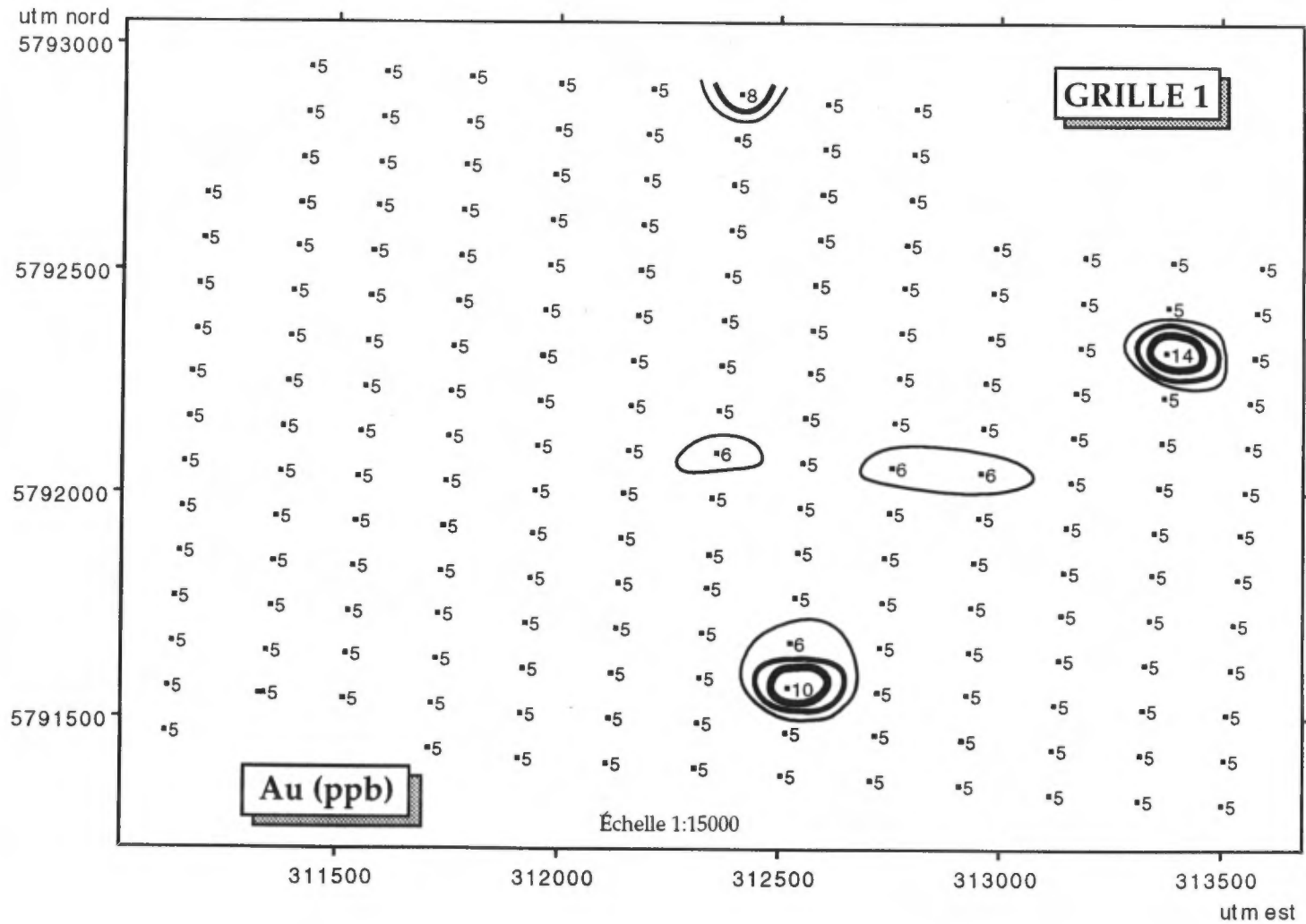
Sample	UTM x (Nad 27)	UTM y (Nad 27)		Lithology	Mineralization	Alteration	Comments	Au (ppb)	Ag (ppm)	Cu (ppm)
G256412	307545	5792280	Cambior	T2L		SR	Sheared, 249/60	0	0	14
G256458	309605	5790890	Cambior	V1D		CB++		0	0	3
G256459	309700	5790890	Cambior	T1X			Banded, local MG, QZ fragments	0	0	6
G259153	316318	5796369	Cambior	V3B		CL	Sheared	0	0	102
G259158	313496	5789278	Cambior	V3B		CL		8	0	94
G259159	313727	5789315	Cambior	V3B		CL		0	0,2	47
G259160	314058	5789244	Cambior	V3B	trPY			0	0	148
G259162	310613	5789801	Cambior	V3B				0	0	88
G259163	310647	5790099	Cambior	V3B				0	0	124
G259164	310707	5790435	Cambior	V1D	trPY			0	0	39
G259198	314282	5789161	Cambior	V3B	1-2%PY	CL+		0	0	38
G259199	313501	5789285	Cambior	S3			CC veinlets (2-4mm)	6	0	67
G259200	312627	5791346	Cambior	T1X			Sheared, layers micas++	0	0	15
LB 038	312968	5791487	Westmin	T3		CL	BO,GR, Felsic lapillis	0	0	48
LB 039	313318	5791544	Westmin	S9			Sulphidic	0	0	36
TB 035	314645	5789299	Westmin	T3L				0	0	479
TB 036	314270	5789297	Westmin	S9D	PO,MG			0	0	25
TB 038	314159	5789373	Westmin	S9D			Rusty, Argilic bands	0	0	62
TB 039	314123	5789100	Westmin	S9D	PY		Rusty, Argilic	0	1	110
TB 040	314814	5789752	Westmin	T3	PY			0	0	60
TB 041	314609	5789807	Westmin	T3	PY			0	0	13
TB 042	314726	5789764	Westmin	S9D	PY		Rusty	0	0	113
TB 043	314566	5789756	Westmin	QZVN	PY			10	0	1400
TB 044	314470	5789834	Westmin	S9D	PO-PY-CPY		Argilic Bands	10	0	204
TB 045	314465	5789823	Westmin	T3	PY			0	0	61
TB 046	314397	5789829	Westmin	S9D	PO-PY		Rusty, Argilic Bands	0	0	24
TB 047	312907	5789507	Westmin	PO	S9		AM,GN	0	0	97
TB 048	312384	5789389	Westmin	S9D	PO		AM	0	0	72
TB 049	314489	5791370	Westmin	S9D	PY		GR,AM,BO	0	0	145
TB 050	314051	5792070	Westmin	S9D	PY			0	0	26
TB 051	314049	5792075	Westmin	S9D	PY		Rusty	0	1,5	23
WS 013	314923	5792568	Westmin	S9				0	0	26
WS 014	314940	5792617	Westmin	S9D				0	0	44
WS 015	314762	5792617	Westmin	S9				10	0	26

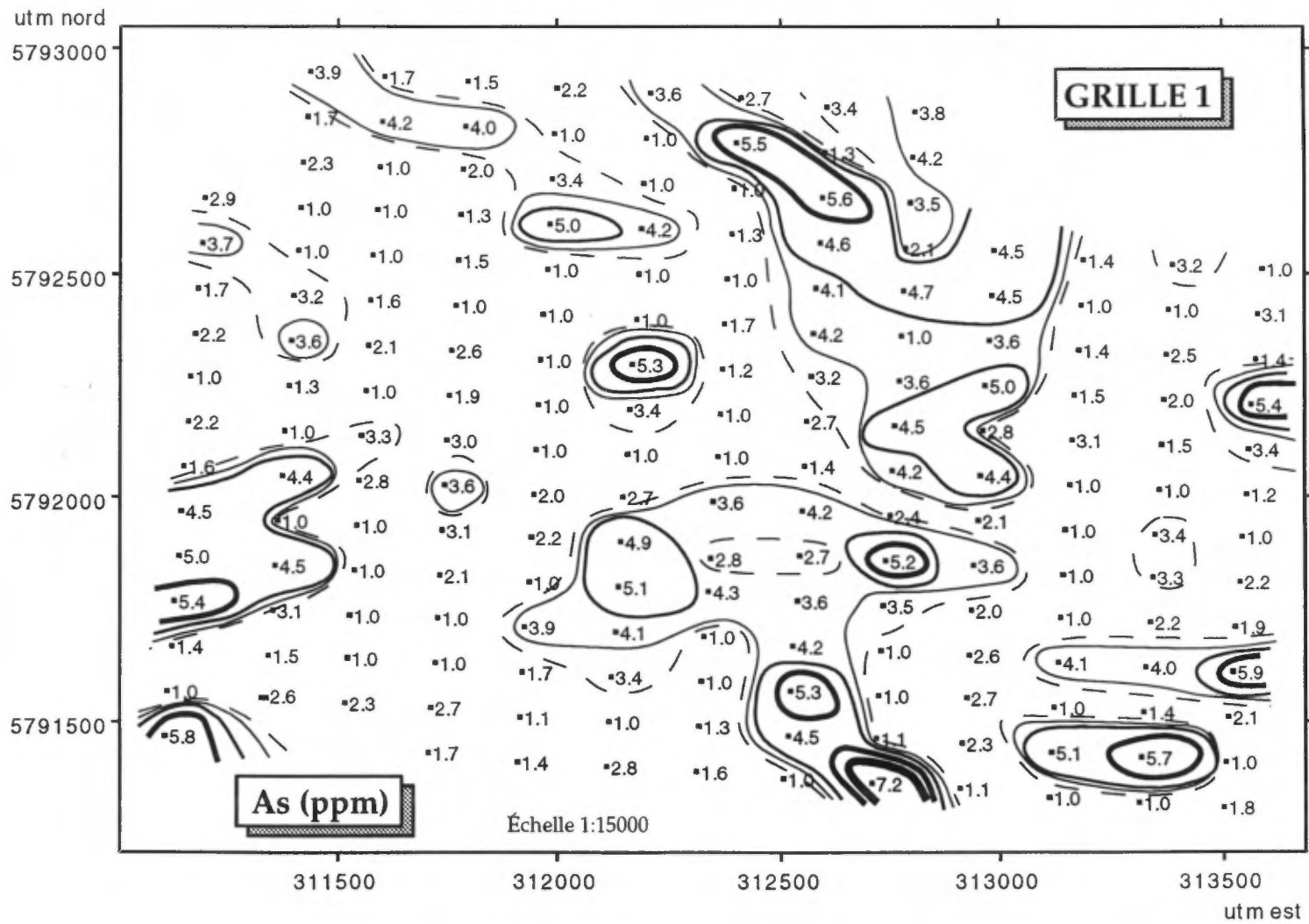
WS 016	314813	5792619	Westmin	S9				10	0	13
WS 017	314805	5792543	Westmin					5	0	83

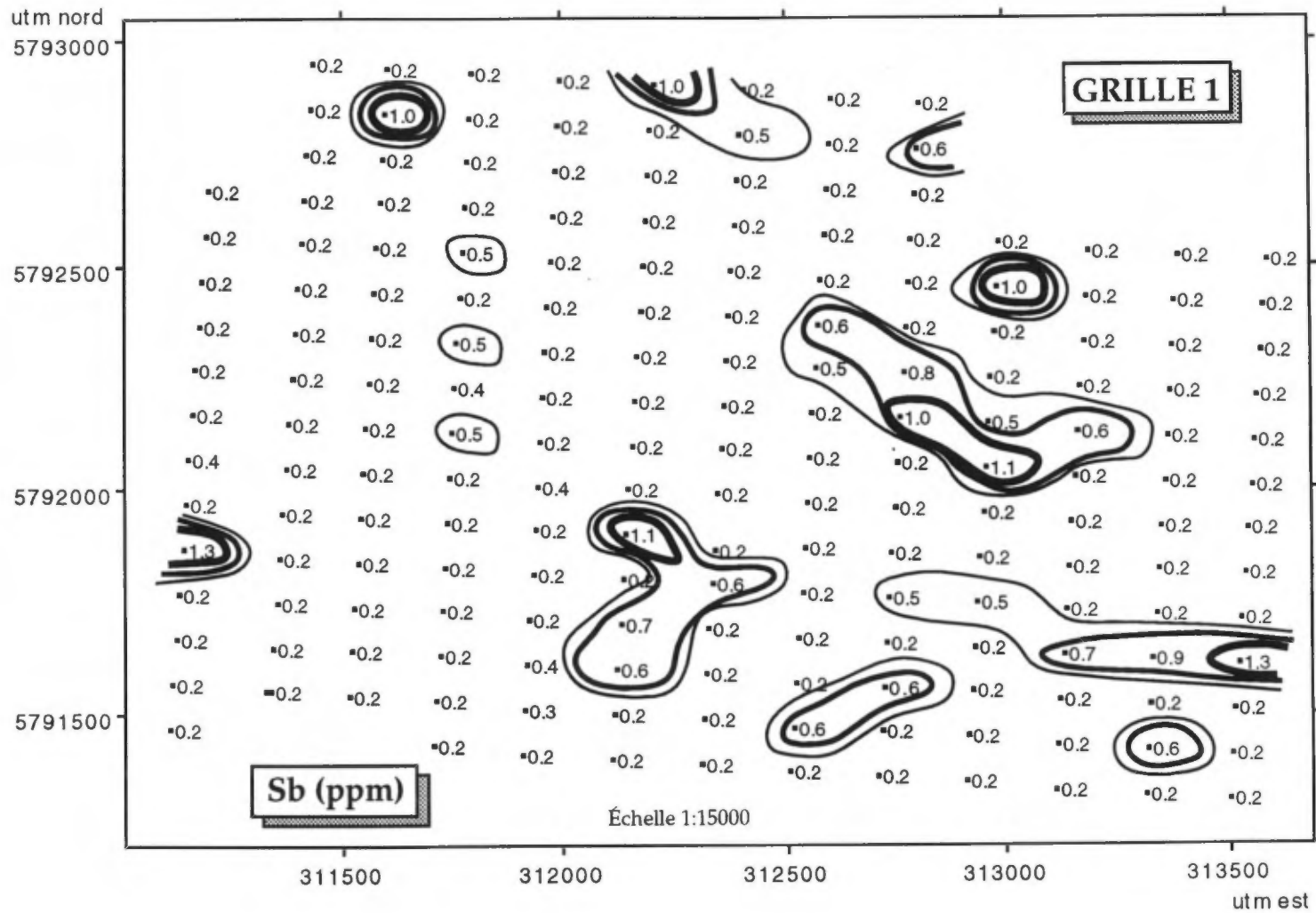
Annex 7: Westmin B Horizon Soil Compilation

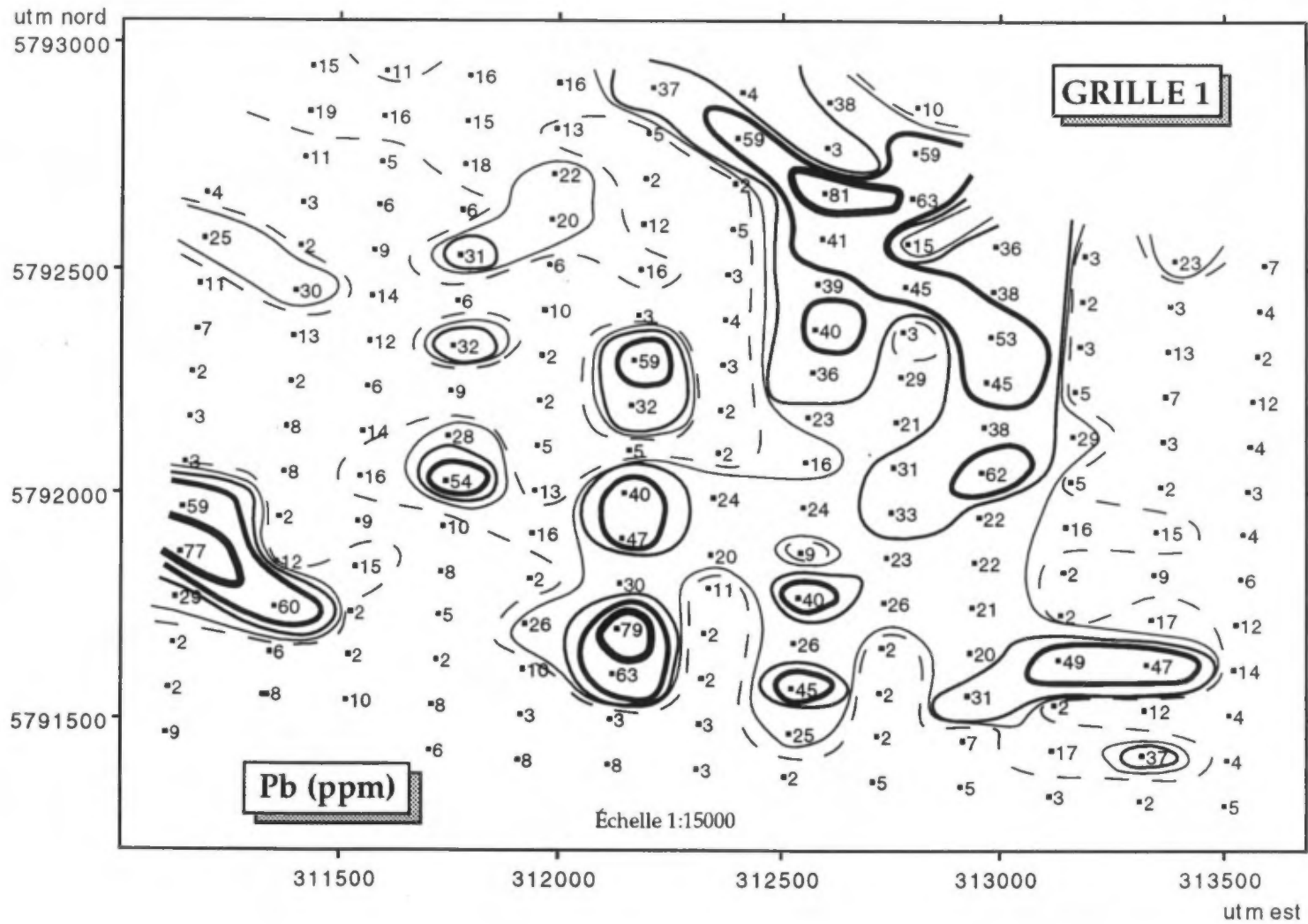


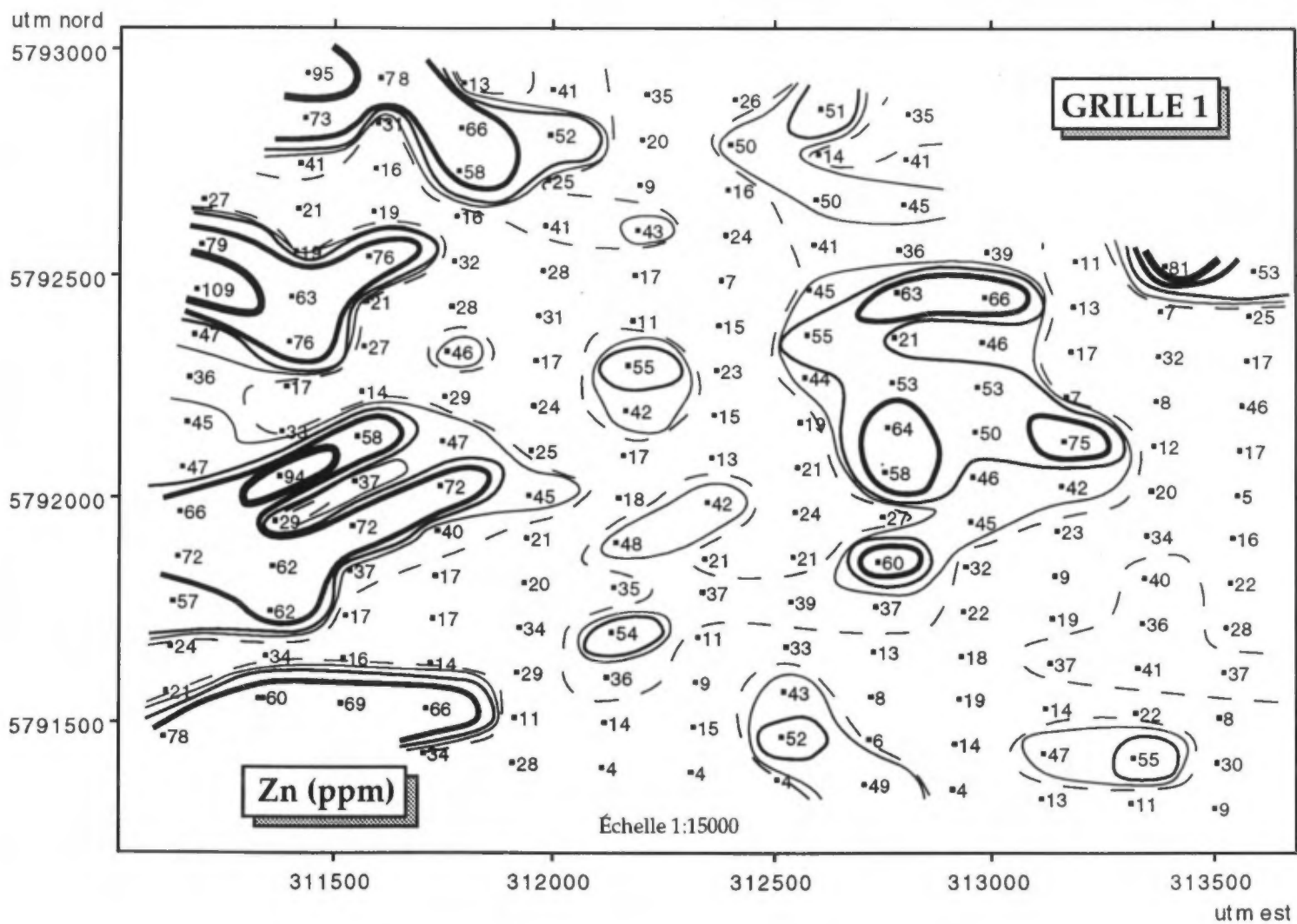
Annex 8: #1 Grid Soil-Humus Geochemistry (from GM 55866)

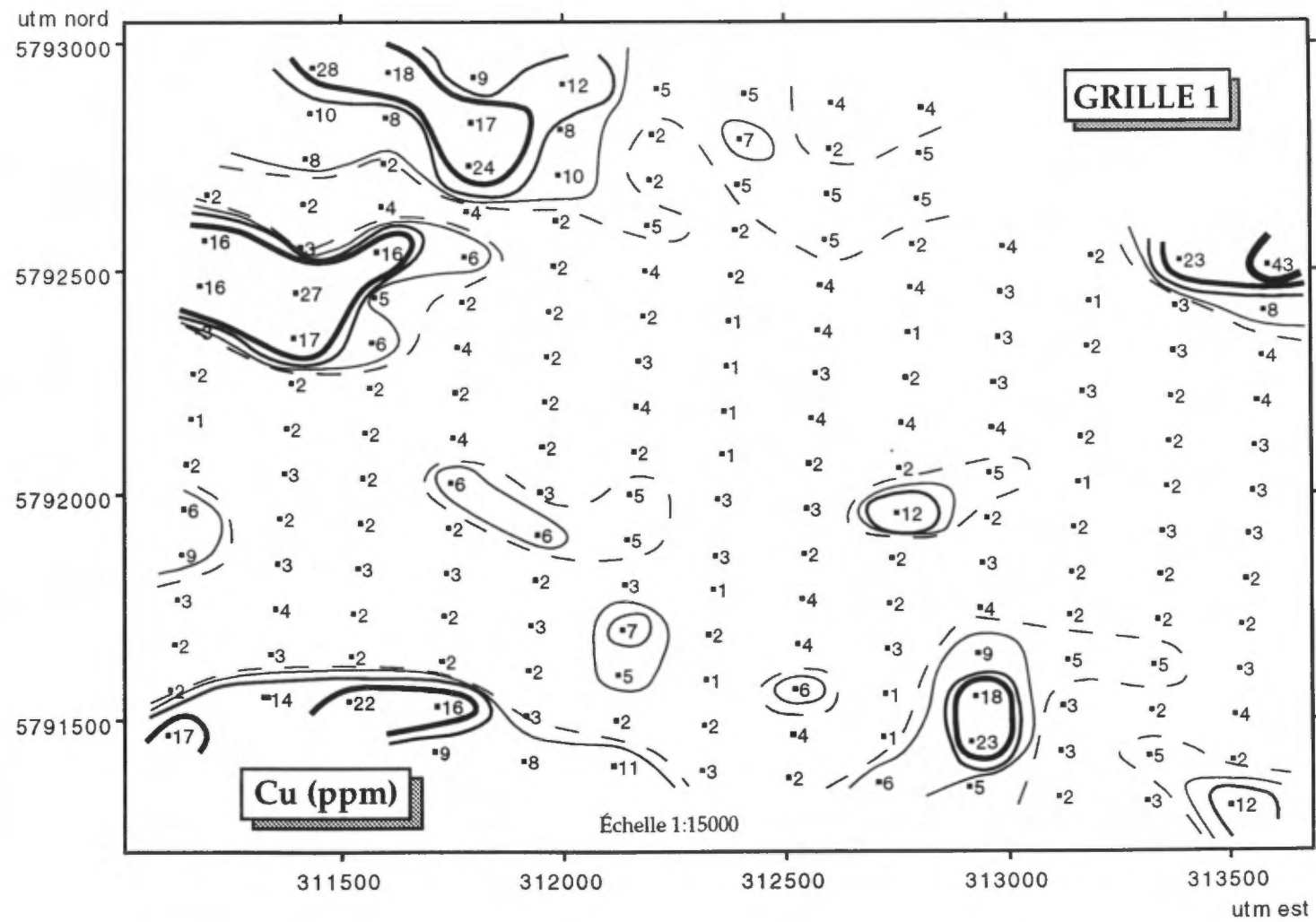




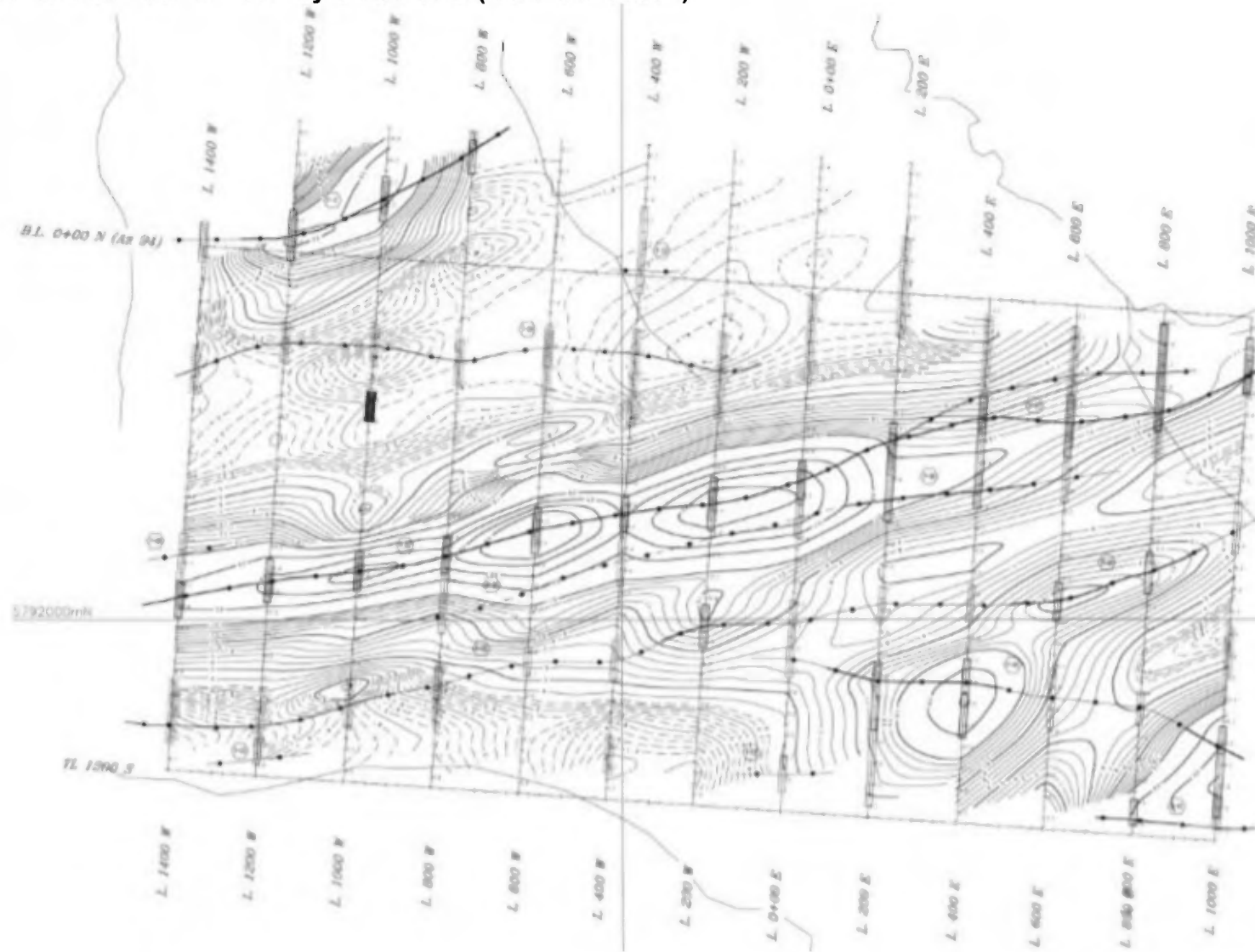




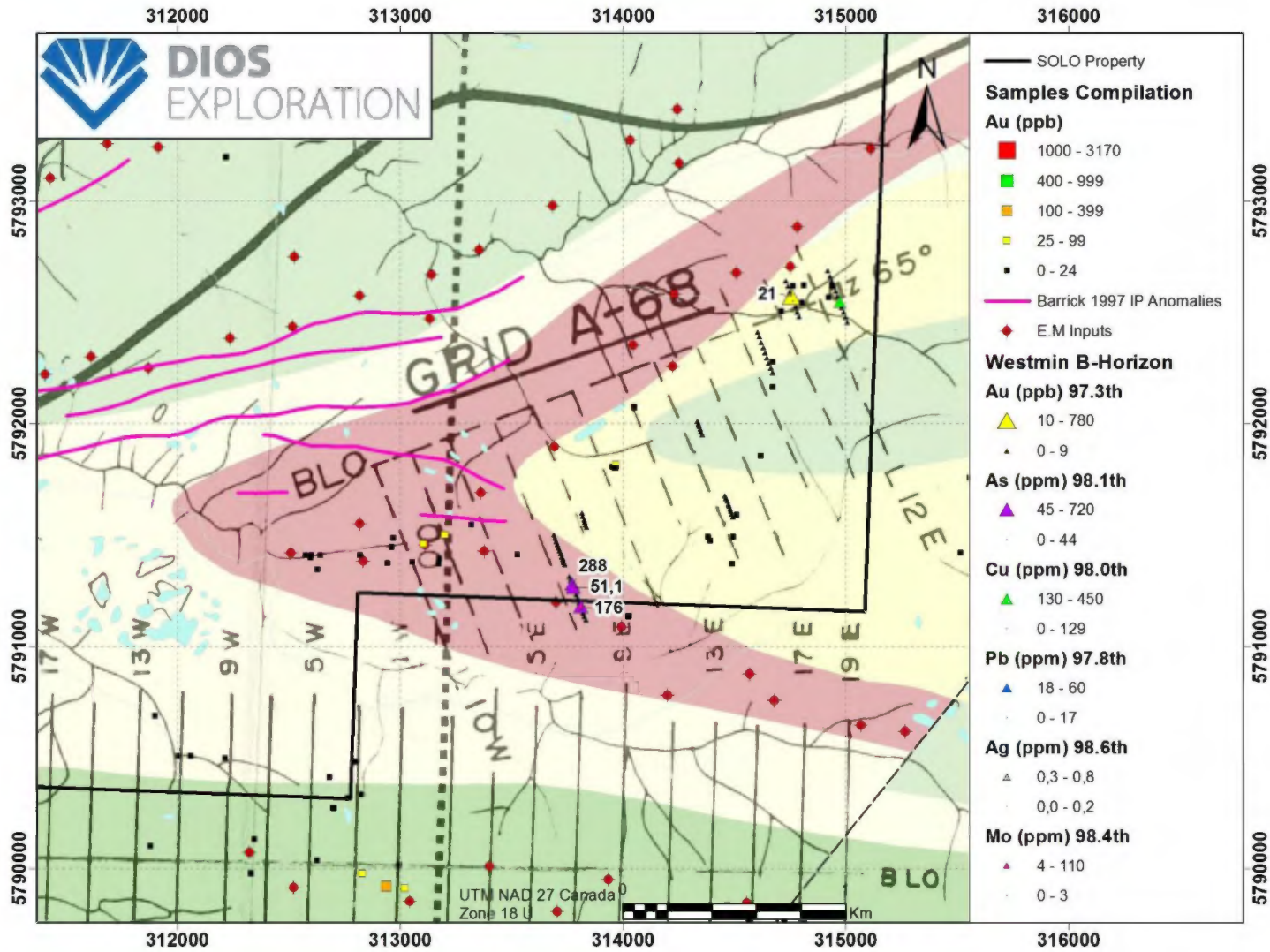




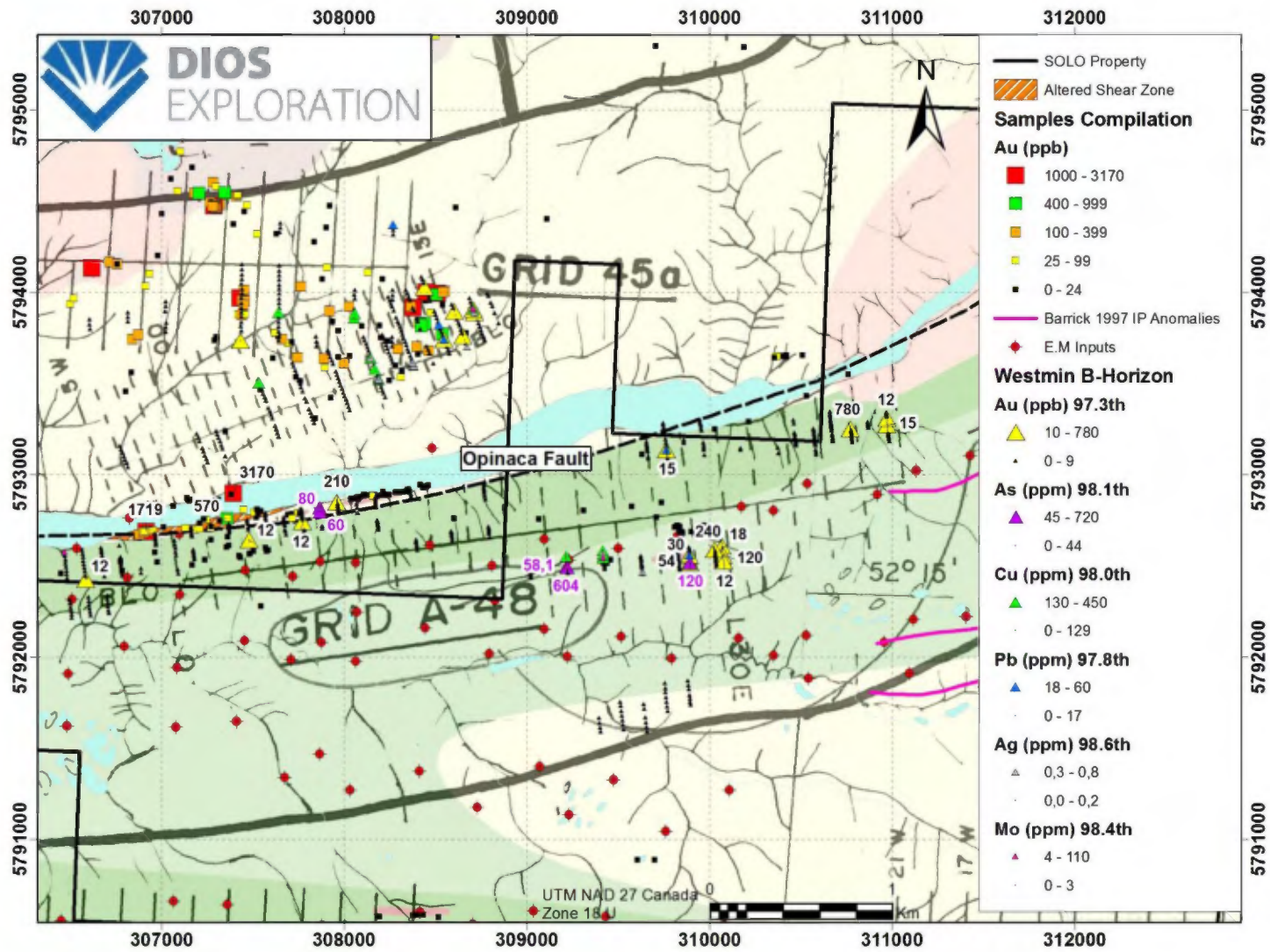
**Annex 9: Barrick 1997 I.P Survey on #1 Grid (from GM 55854)**



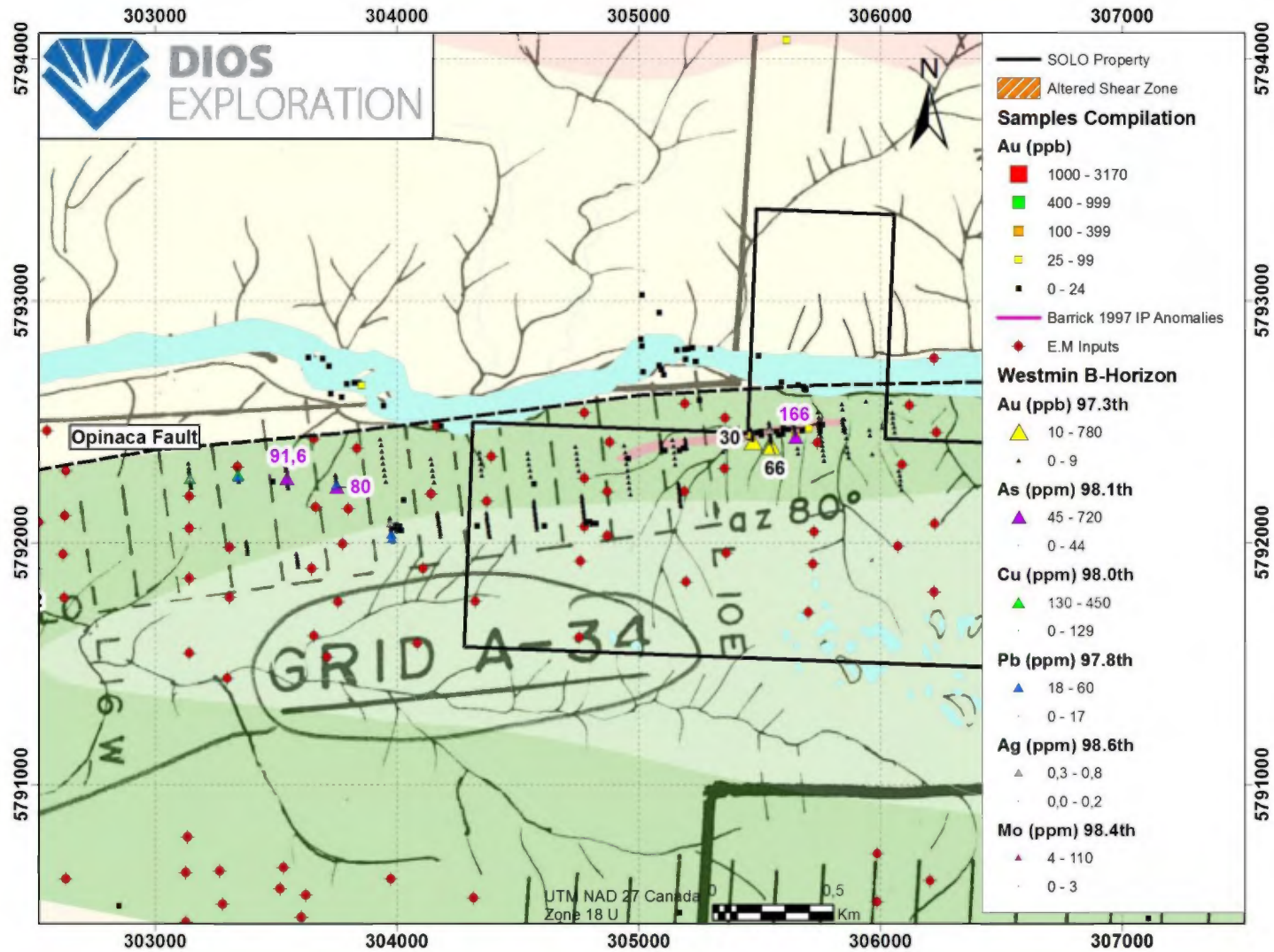
Annex 10: Westmin Grid A-68



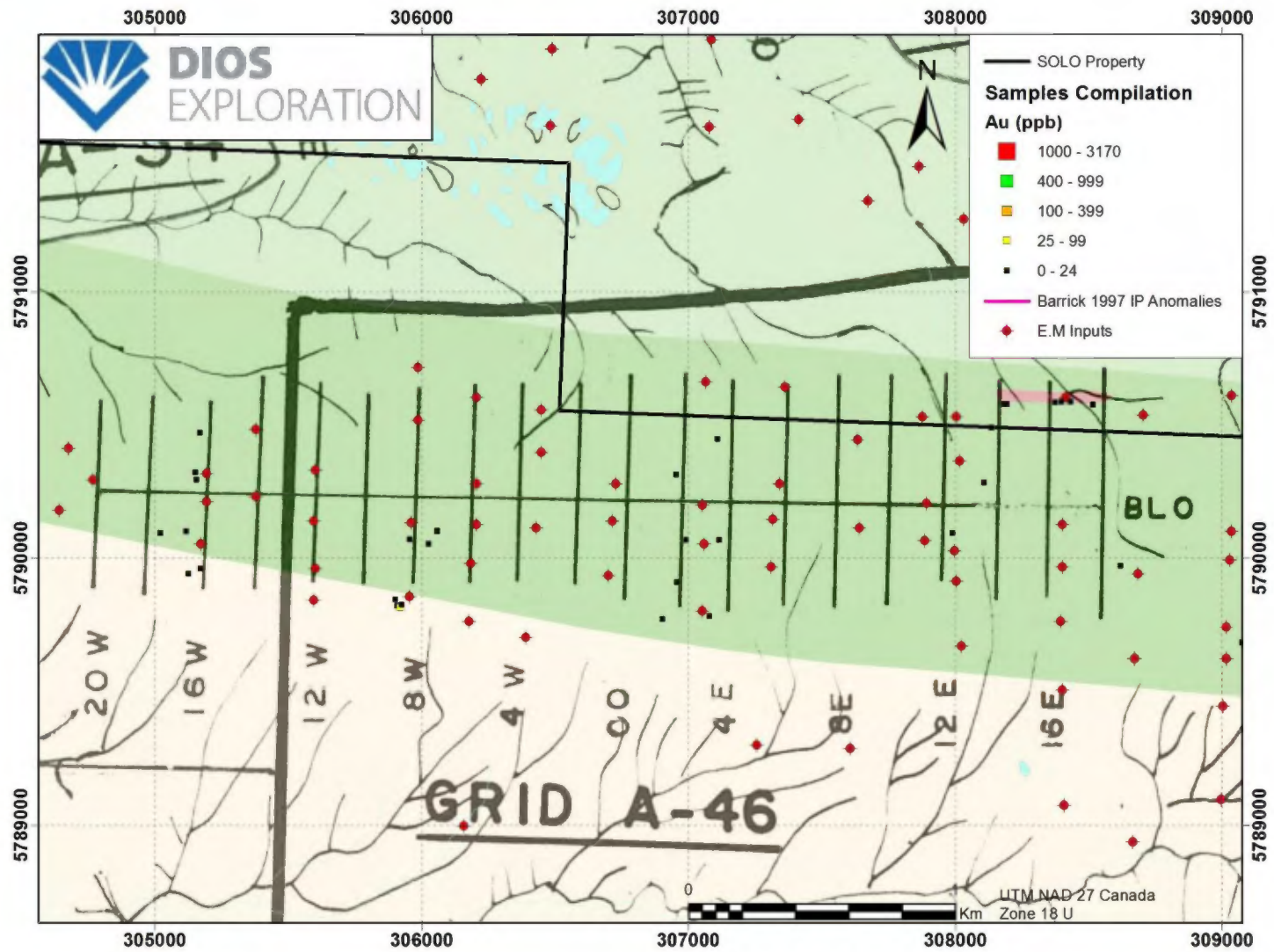
Annex 11: Westmin Grid A-48



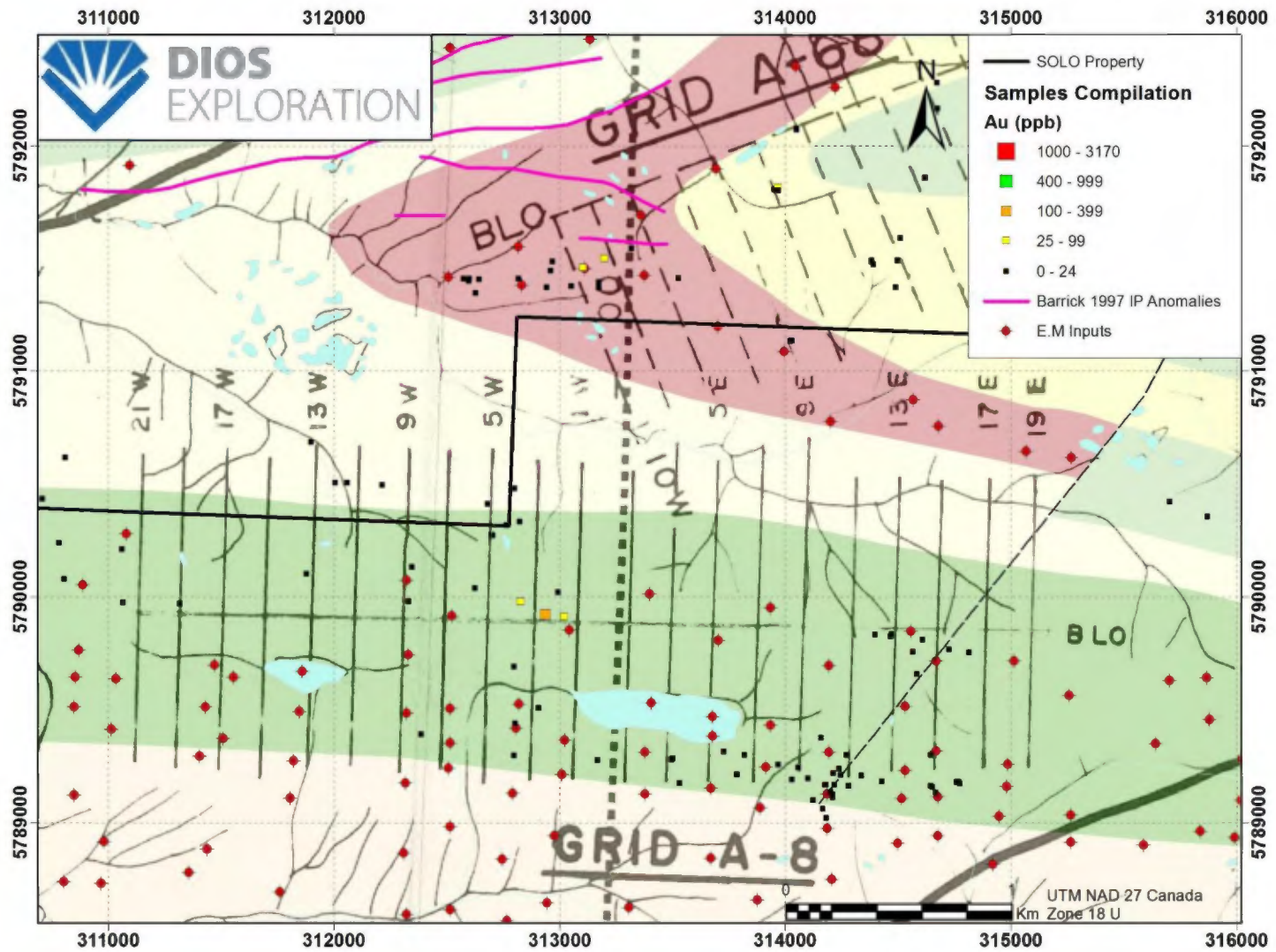
Annex 12: Westmin Grid A-34



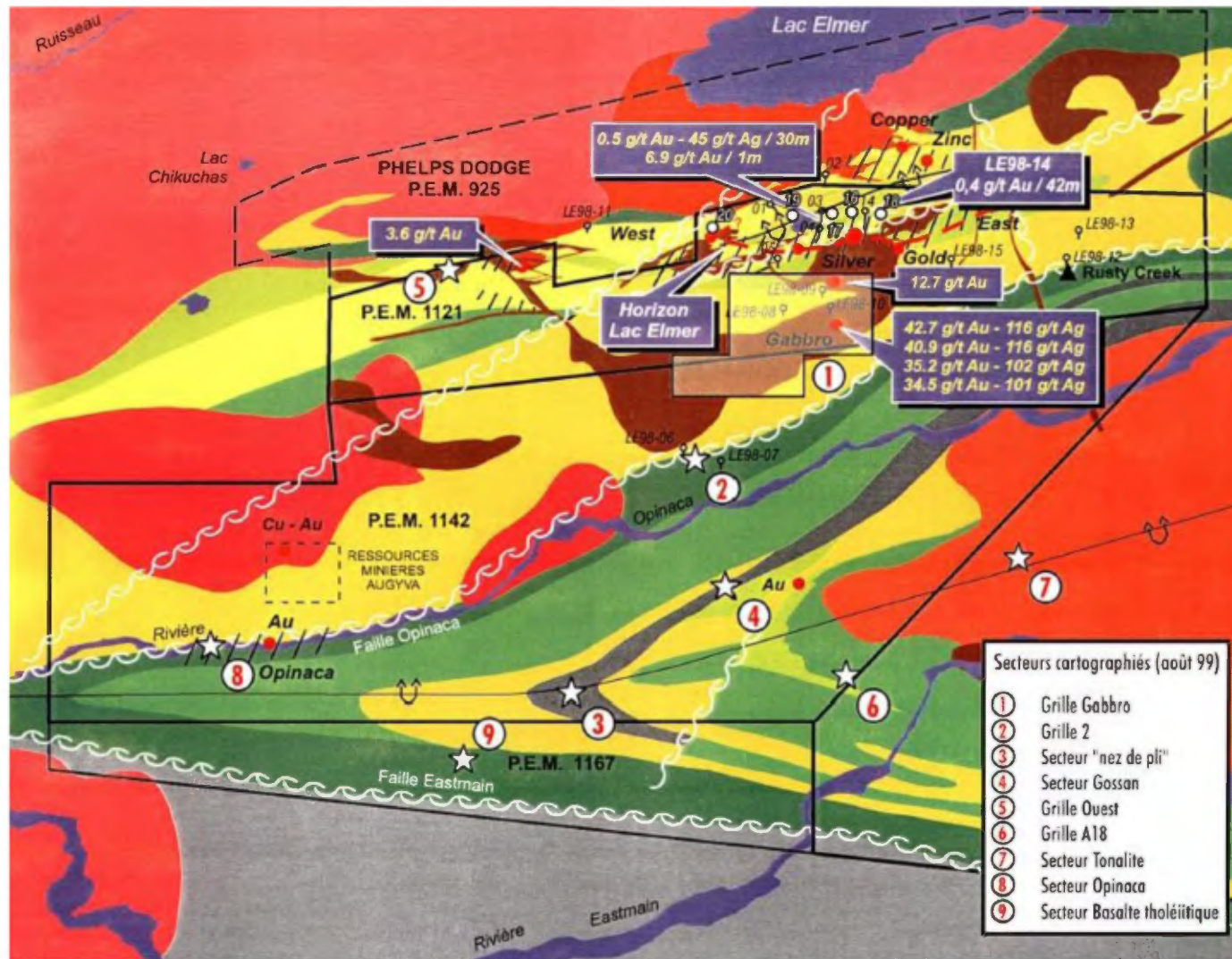
Annex 13: Westmin Grid A-46



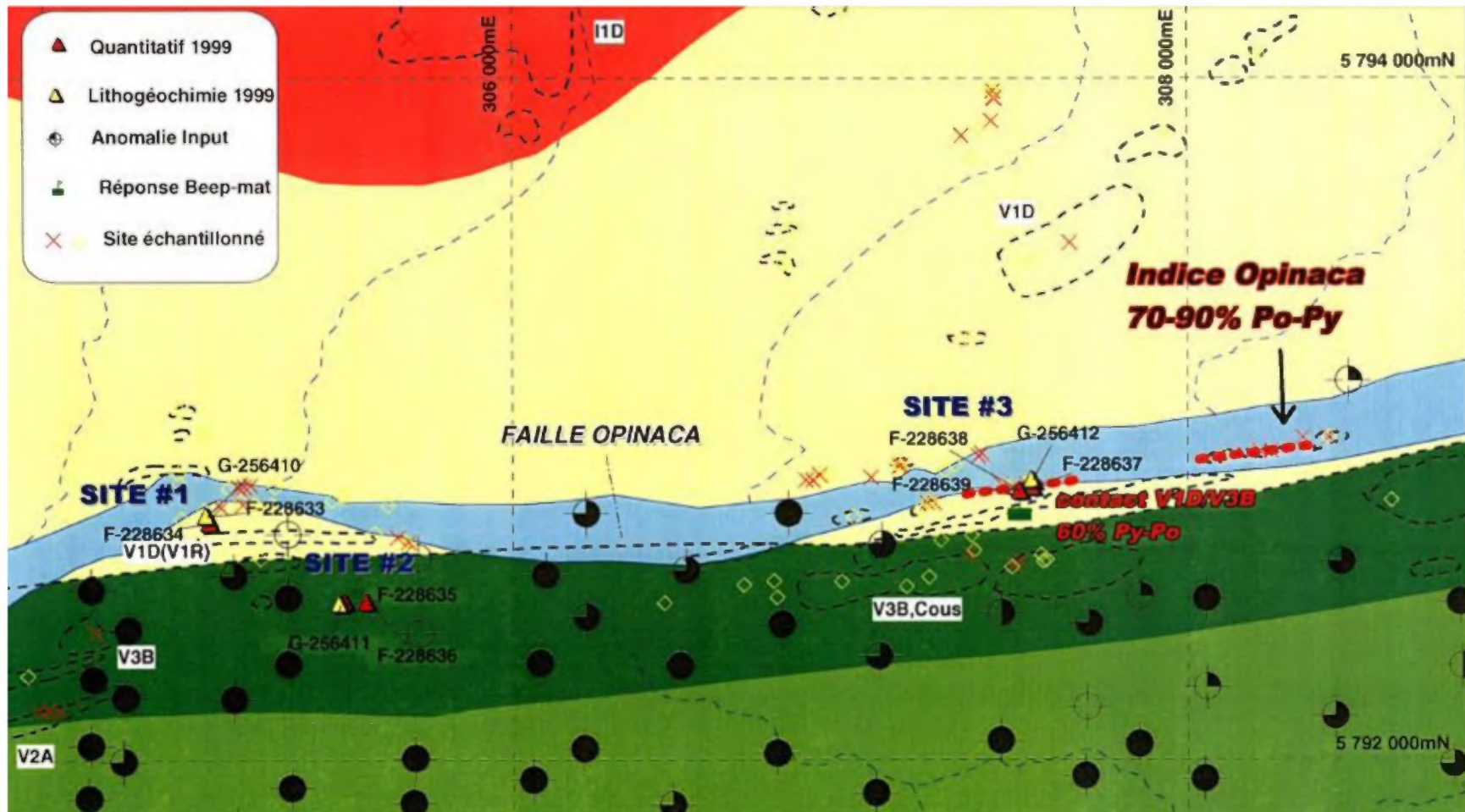
Annex 14: Westmin Grid A-8



Annex 15: Cambior Prospected Areas (GM 57506)



Annex 16: Geological map of the Opinaca showing by Cambior (GM 57506)



## Annex 17: Gold Showings of the Lac Elmer Region

Showing		Easting	Northing	NTS	Mineralization	Sample	Comments
Lidge	1984	331991	5787930	33C03	Au,Ag,Cu	DDH L93-8 : 11.42 g/t Au / 1,3m DDH L94-13 : 4.32 g/t Au / 1m DDH L97-05 : 653 g/t Ag / 1m	Stratabound mineralization consisting of a PY-PO-Fuchsite bearing cherty tuff.
Lucille	1997	335815	5788086	33C03	Au,As	Grab: 2.28 g/t Au & >10000 ppm As DDH L97-08 : 1.24 g/t Au / 4m DDH L97-09 : 1.73 g/t Au / 6m	(L97-09) Stratabound mineralization consisting of disseminated PY-AsPY hosted by a cherty tuff. (L97-08) Mineralization hosted by a sericitic fine intermediate quartz crystal tuff immediately north of a breccia zone
Grid A-16	1984	317446	5793830	33C05	Au	Channel Sample: 5 g/t Au / 0,3m Grab: 2.8 g/t Au	5%PY disseminated in a cherty tuff
Opinaca	1987	306922	5792699	33C05	Au,Ag	Grab: 1.72 g/t Au & 8.6 g/t Ag 3.17 g/t Au & 23.9 g/t Ag	Disseminated and stringer sulphides up to 15%PY ±traces CPY hosted within strongly sheared and sericitized felsic volcanics/tuffs (Altered Zone), related to the Opinaca fault
Kali Lake	1980	307285	5794472	33C05	Au,Cu,Ag	Grab: 2.6 g/t Au, 34 g/t Ag & 8.28% Cu 1.5 g/t Au, 40 g/t Ag & 7.56% Cu 0.43 g/t Au, 4.5 g/t Ag & 0.24% Cu 0.31 g/t Au, 19.8 g/t Ag & 1.32%Cu	100x150m mineralized zone located at the contact between the QZ porphyry Kali pluton and felsic volcanics. Up to 15% PY-CPY-MC associated with QZ±CB-CL veins, silicified fractures and/or shear zones. The best Au-Ag-Cu assay results come from a rusty PY-CPY quartz vein. Gold-Copper mineralization occurs in both the quartz porphyry and felsic volcanics, at or near the contact of the two units.
Kali South	1980	307431	5793967	33C05	Au,Cu,Ag	Grab: 1.49 g/t Au, 2.9 g/t Ag & 0.38% Cu 0.4 g/t Au, 28 g/t Ag & >1% Cu 0.29 g/t Au, 26 g/t Ag & 2.4% Cu 0.33 g/t Au, 18 g/t Ag & 3.08% Cu	40x100m mineralized zone hosted within felsic tuffs, locally well foliated. Mineralization consists of disseminated to semi-massive PY-CPY lenses // to the schistosity. Fracture-filling mineralization is locally observed.

<b>Kali SE</b>	1980	308511	5793991	33C05	Au,Cu,Ag	Grab: 2.24 g/t Au, 20 g/t Ag & 0.45% Cu 1.23 g/t Au, 5 g/t Ag & 0.19% Cu 1.03 g/t Au, 15.6 g/t Ag & 0.31%Cu 0.52 g/t Au, 136 g/t Ag & >1% Cu	300x300m mineralized zone hosted within felsic tuffs. Mineralization consists of disseminated CPY-PY locally associated with quartz veins or gossans. A narrow CPY-PY quartz vein cross-cutting a felsic tuff returned up to 2.24 g/t Au.
<b>Showing</b>		<b>Easting</b>	<b>Northing</b>	<b>NTS</b>	<b>Mineralization</b>	<b>Sample</b>	<b>Comments</b>
<b>Kali SW</b>	1980	306618	5794131	33C05	Au,Cu,Ag	Grab: 1.69 g/t Au & 2 g/t Ag 0.12 g/t Au, 3.7 g/t Ag & 1.04% Cu 0.16 g/t Au, 44 g/t Ag & 0.89% Cu 0.17 g/t Au, 2.3 g/t Ag & 0.28% Cu	Disseminated tr-5% CPY-PY-MC locally associated with fractures, hosted by a sheared quartz porphyry with 3-5% blue quartz eyes. Mineralization is observed over a strike length of 100m.
<b>K2</b>	1980	308539	5795938	33C05	Au,Ag	Grab: 0.59 g/t Au, 1.1 g/t Ag & 0.098%Cu	Disseminated CPY-PY within a quartz porphyry
<b>Cumo</b>	1980	308983	5796361	33C05	Cu,Ag,Au	Grab: 13.8 g/t Ag & 1.08% Cu 7.2 g/t Ag & 0.49% Cu 0.18 g/t Au, 16 g/t Ag & 0.61%Cu	Quartz veins containing up to 20%PY-5%CPY, hosted within a strongly sericitized shear zone, located at the contact between quartz porphyry and felsic volcanics
<b>SDBJ</b>	1980	309632	5795475	33C05	Au,Ag,Cu	Grab: 1.6 g/t Au & 16.6 g/t Ag & 0.12%Cu	Quartz vein containing disseminated PY-CPY, hosted within felsic tuff
<b>A-21 Zone</b>	1984	319113	5801440	33C05	Au,Cu,Zn,Ag	DDH W85-2: 0.5 g/t Au & 50 g/t Ag /30m DDH LE98-14: 0.36 g/t Au / 31m DDH W86-23: 2.7 g/t Au & 5% Zn / 1m DDH W86-25: 0.8 g/t Au / 11m	Main gold showing of the Lac Elmer area. Mineralization consists of disseminated to semi-massive volcanogenic sulphides and/or stringers hosted by a sheared and sericitized rhyolite (Lac Elmer Horizon). Sulphides comprise 1-20%SP, 1-10%PY, 1-3% CPY and traces of PO and GL.
<b>Zone West</b>	1987	315818	5801200	33C05	Au,Ag,Cu,Zn	Grab: 4.65 g/t Au, 7% Cu & 160 g/t Ag 4.7% Zn, 1.44% Cu & 60 g/t Ag DDH W88-69: 0.13% Cu / 7m & 0.23% Zn / 8m	Decametric to metric lenses of disseminated sulphides and stringers, hosted by a sheared and sericitized rhyolite. Sulphides comprise 5-20% PY, 3-10% CP-SP and traces of GL
<b>Zone East</b>	1987	321870	5801694	33C05	Au,Ag	Grab: 6.3 g/t Au	Disseminated PY and stringers associated with dismembered laminated QZ-PY-Ankerite veins cross-cut by younger QZ-PY veins, hosted by felsic volcanics.

<b>Zone Gold</b>	1984	319745	5801075	33C05	Au,Ag	Grab: 102.52 g/t Au & 19.9 g/t Ag 2,61 g/t Au	Mineralization is associated with a QZ-Ankerite stockwork and sub-parallel narrow Quartz-Ankerite veins containing tr-15%PY ( $\pm$ CPY) injected within a gabbro. A 5-15cm wide and 5m long QZ-Ankerite vein sub-parallel to the schistosity S1 with 2-5% PY(CPY-SP) returned 102.52 g/t Au
<b>Showing</b>		<b>Easting</b>	<b>Northing</b>	<b>NTS</b>	<b>Mineralization</b>	<b>Sample</b>	<b>Comments</b>
<b>Zone Silver</b>	1984	318117	5801091	33C05	Au,Ag	Grab: 3.1 g/t Au Channel Sample: 50-300 ppb Au & 0.5-18.2 g/t Ag / 1m	Disseminated 1-7%PY hosted by a sheared and sericitized rhyolite. The only significant gold assay is from a 30cm wide QZ vein containing 1% PY.
<b>Zone Copper</b>	1985	319800	5802904	33C05	Cu,Zn,Pb,Ag	Grab: 1.62% Cu, 0.43% Zn & 45 g/t Ag 2.13% Cu, 0.1% Zn & 42.5 g/t Ag DDH W85-14: 3.31% Zn & 28 g/t Ag / 1m at 71,2m; 4.78% Zn & 50.5 g/t Ag / 1m at 83,3m; 1.79% Zn & 15 g/t Ag / 1m at 95,1m	20m wide semi-massive to massive sulphides horizon intersected by DDH W85-14. Mineralization comprises PY-PO and 1-5%SP-CPY (up to 20% SP).
<b>Zone Zinc</b>	1985	320375	5802699	33C05	Au,Zn,Ag	Grab: 1.23 g/t Au 2.88% Zn & 11.3 g/t Ag DDH W85-16: 1 g/t Au / 1m	Two different mineralized zones are observed: 1) A tabular 5-30cm to 4-7m long up to 5m wide disseminated to semi-massive/massive pyritic lens returned 1,23 g/t Au 2) PY-SP stringers hosted by sheared felsic volcanics
<b>Zone Veine</b>	1996	316263	5800809	33C05	Au,Ag	Grab: 2.4 g/t Au & 4.2 g/t Ag	Rusty quartz vein with trPY, cross-cutting a rhyolite.
<b>Barrick</b>	1997	315961	5798311	33C05	Au	Grab: 1.2 g/t Au	Disseminated 2%PY-PO associated with boudinaged QZ veins within a sheared gabbro

<b>Zone Gabbro</b>	1997	318205	5799411	33C05	Au,Ag	Grab: 42.65 g/t Au & 116.2 g/t Ag 34.56 g/t Au & 101.7 g/t Ag 12.65 g/t Au 7.2 g/t Au	High grade gold values were returned from a 5-30cm wide and 30m long QZ vein containing tr-1%PY hosted by a 1m wide shear zone within a gabbro. The QZ vein strikes N90 with a sub-vertical dip. The shear zone hosting the auriferous vein is weakly ankeritized and contains anomalous gold values up to 2,13g/t Au. In the vicinities of the principal vein, narrow mineralized QZ veins returned up to 3.0-7.2 g/t Au. 200m north, another auriferous QZ vein injected within a sheared dacite yielded up to 12.65 g/t Au.
<b>Showing</b>		<b>Easting</b>	<b>Northing</b>	<b>NTS</b>	<b>Mineralization</b>	<b>Sample</b>	<b>Comments</b>
<b>Lac Boulder</b>	1997	312223	5800437	33C05	Au,Cu,Zn,Ag	Grab: 3.57 g/t Au & 6.9 g/t Ag	Disseminated 2-5%PY within a dacite unit locally containing cm QZ veins
<b>Zone Andesite</b>	1998	318100	5801670	33C05	Cu,Zn,Au,Ag	DDH LE-98-03: 0.24% Cu / 9.7m at 247m; 0.6% Zn, 7.9 g/t Ag, 0,22% Cu & 108 ppb Au / 0,5 m at 155 m DDH LE-99-19: 0,36 g/t Au, 21 g/t Ag & 0.68% Cu / 0,6m at 234,4m	Zones of disseminated/stringers sulphides 1-5% CPY-PY, tr-3% SP and trPO hosted by a sheared and sericitized felsic to intermediate volcanic/tuff sequence.
<b>Patwon</b>	1999	318699	5799755	33C05	Au,Ag	Grab: 0.5-3.6 g/t Au 10.1 g/t Au	Mineralization (up to 10%PY and trCPY) is mainly associated with a network of sub-parallel QZ veins (5-50 cm wide) and veinlets striking NW-SE injected within a gabbro intrusion. Shear zones also returned gold values up to 10.1 g/t Au.
<b>AJ-2</b>	1987	310684	5800385	33C05	Au,Cu,Zn,Ag	Grab: 445 ppb Au, 8.5 g/t Ag. >1% Cu & 0,59% Zn	1-10% PY-CPY-SP associated with QZ veins hosted by a sheared and sericitized felsic tuff
<b>ETMN-87-01AB</b>	1987	327236	5800355	33C05	Au	Grab: 13.91 g/t Au.	Mineralization consists of a single 6" wide QZ vein containing disseminated PY hosted by a felsic tuff
<b>Clouston</b>	1996	322140	5792020	33C05	Mo	Grab: 1.44% Mo	Mineralization comprises multiple 10-30cm wide preferentially N225-250 oriented QZ-Tourmaline veins containing variable amounts of PY-PO-CPY and locally MO injected in feldspar porphyry and gabbroic dykes. The showing is located close to the contact with a tonalitic pluton.

