# GITENNES EXPLORATION INC.

ASSESSMENT WORK REPORT for GEOLOGICAL MAPPING, VLF-EM RESISTIVITY and MMI SOIL SAMPLING SURVEYS on the FOX SOUTH PROPERTY comprising the CLAP 1-7 and TERRY 5 Claims Nicola Mining Division, British Columbia

NTS 092107E

Latitude 50° 19' N Longitude 120° 39' W

Owned and Operated by GITENNES EXPLORATION IN 2390 – 1055 West Hastings Street Vancouver, British Columbia V6E 2E9

prepared by

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August 5, 2004

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# INTRODUCTION and TERMS OF REFERENCE

GITENNES EXPLORATION INC. acquired the claims comprising the Fox South Property in 2000. The property lies 25 kilometres north-northeast of Merritt, British Columbia. In September 2000, Gitennes began exploring its potential to host copper-gold mineralization, focussing on a previously known VLF-EM anomaly south of Cola Creek. Exploration to date by Gitennes has consisted of mapping, VLF-EM surveying, and geochemical sampling.

This report was prepared for filing assessment work credits for a geological mapping, MMI geochemical sampling, and VLF-EM resistivity surveying. Field work was done by the writer from June 26 to June 30, 2004. Sources of information include maps and assessment reports from the British Columbia Ministry of Energy and Mines, maps and reports for BCMEM geological surveys, TRIM topography, geological data from The Map Place (http://www.em.gov.bc.ca/Mining/Geolsurv/MapPlace), an in-house report on VLF-EM, MMI and B-horizon soil sampling done on behalf of Gitennes by Stillwater Enterprises Ltd. (Freeze, 2002), an airborne geophysical survey flown on behalf of Gitennes in 2001, and on the list of references provided in the References section of this report.

No economically viable bedrock mineralization is known to occur on or close to the property. The nearest mining operation is Teck Cominco's Highland Valley copper - molybdenum mine, which produced 170,400 tonnes of copper concentrates and 3,312 tonnes of molybdenum concentrates in 2003.

#### PROPERTY DESCRIPTION

The Fox South Property is located east of Swakum Mountain on the Nicola Plateau, approximately 280 road-kilometres northeast of Vancouver, in the Nicola Mining Division, British Columbia (Figure 1). The town of Merritt lies 25 kilometres to the south-southwest; the city of Kamloops is 45 kilometres to the north-northeast. UTM coordinates for the approximate centre of the area of work are 668750 East 5574000 North (NAD83 UTM Zone 10), on NTS sheet 092I/07E.

Gitennes Exploration Inc. is the registered owner of all claims comprising the Fox South Property. The property comprises five unpatented two-post and three unpatented four-post contiguous claims totalling 65 units (1,625 hectares; Figure 2). All claims were staked in 2000, and are in good standing until various dates in 2004. They have not been legally surveyed.

Claim Name	Staking Date	Expiry Date	Tag #	Tenure #	Units	Hectares
TERRY 5	Oct-07-2000	Oct-07-2004	237548	381672	20	500
CLAP 1	Sep-30-2000	Sep-30-2004	237459	381397	20	500
CLAP 2	Oct-01-2000	Oct-01-2004	237460	381484	20	500
CLAP 3	Oct-02-2000	Oct-02-2004	694817M	381485	1	25
CLAP 4	Oct-02-2000	Oct-02-2004	694818M	381486	1	25
CLAP 5	Oct-02-2000	Oct-02-2004	694819M	381487	1	25
CLAP 6	Oct-02-2000	Oct-02-2004	694820M	381488	1	25
CLAP 7	Oct-02-2000	Oct-02-2004	694821M	381489	1	25

Table 1: Fox South Property – Land Status July 2004

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# ACCESS, CLIMATE, LOCAL RESOURCES and PHYSIOGRAPHY

Access to the property is by the four-lane Coquihalla Connector Highway, which connects Merritt to Kamloops and bisects the property in a north-south direction. The Helmer Lake exit on the CLAP 1 Claim is about 23 kilometres north of Merritt, providing access to either side of the highway. West of the highway, the Kirby Lake logging road runs 4.5 kilometres to the Jaeden Spur logging road, where the activities described in this report were undertaken.

The Merritt area is dry, with more precipitation falling at higher elevations. There is little rain in the summer and early fall, with most precipitation occurring in winter as snow.

A three-phase power line crosses the property at the Helmer Lake exit; this line provides power to the copper mines at Highland Valley. There are no download stations on the property. A single-phase line runs north from Nicola Lake along the Coquihalla Connector, providing power for the lights at the Helmer Lake exit.

Aspen Planers Ltd., a company located in Merritt, has timber rights that include the Fox South Property. Logging was in progress during the period covered by this report, and is anticipated to continue throughout 2004.

The Fox South Property covers rolling forested terrain on the Nicola Plateau. Drainage is by the southflowing Clapperton Creek to the Nicola River and eventually to the Fraser River. Hills are generally rounded. The local drainage pattern is influenced by north-northwest to south-southeast-oriented Pleistocene glacial features. In general, relief is subdued, although the ENE-trending Cola Creek descends a steep-sided gully upstream from its confluence with Clapperton Creek.

#### HISTORY

Precious metals-bearing veins were discovered near Stump Lake in the 1890's (Meyers and Hubner, 1990). Within the immediate property environs, most exploration work has been directed at a number of copper and lead-zinc showings in the Swakum Mountain area.

Recent exploration in the immediate area of the Fox South Property received impetus from the discovery of porphyry copper mineralization at Highland Valley. West of the property, Cu-Mo mineralization was discovered in the 1970's on the south shores of Rey Lake, hosted by a quartz monzonite intrusive. Pb-Zn vein mineralization hosted by Nicola volcanics on the west shore of Helmer Lake was also trenched during this era. Rea Gold Corp. followed by Kerr-Addison Mines Ltd. worked on the area of the present-day Fox South Property during the late 1980's, exploring for copper and gold mineralization. Kerr Addison's Clapper Property was staked to cover an easterly trending, pyritic silicified, and locally clay altered gossan exposed on the Coquihalla Connector (Pautler, 1988) with anomalous to low grade gold and copper mineralization. A VLF-EM anomaly by Kerr Addison was detected running west-northwest from the gossan toward Cola Creek. A trench was dug immediately south of the anomaly, exposing copper-bearing boulders.

To the north, Gitennes optioned and explored the FOX 1-22 claims from 2000 to 2001. A 475 linekilometre airborne magnetic and electromagnetic survey was frown over these claims and those of the Fox South Property (Smith, 2001). Eight diamond drill holes totalling 1,234.7 metres tested zinc-lead mineralization of the Blacktop Showing along a 500-metre north-south strike length, but did not return results that warranted the continuation of the option agreement. Since then, Gitennes has carried out a limited amount of work on the Fox South Property. This included cutting of a 1000 x 1400-metre grid (the 401 Grid), B-horizon and MMI soil sampling, and VLF-EM surveying (Freeze, 2001). The latter confirmed the presence of the VLF-EM anomaly

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detected by Kerr Addison, tracing it out over a strike length of some 700 metres. The 401 anomaly trends approximately 285-290° from an outcrop of well foliated, rusty mafic metavolcanic exposed on the highway, and appears to be terminated at Cola Creek.

# **GEOLOGICAL SETTING**

# Regional Geology

The following is taken from Nicola Lake Region Geology and Mineral Deposits Part A (Moore and Pettipas,

1990), whose work represents the only detailed government mapping that includes the Fox South Property:

The area...lies in the Intermontane Belt and is part of Quesnellia, except at the easternmost end where it is juxtaposed against high-grade metamorphic rocks of the Omineca Belt along the Okanagan shear zone ... The western part is underlain primarily by Late Triassic arc-volcanic rocks and volcanogenic sedimentary facies of the Nicola Group, intruded by large Triassic-Jurassic plutons, among which the Guichon Creek batholith (McMillan, 1976, 1978) bounds the western end of the transect segment studied. The eastern part of the area is underlain mainly by Late Paleozoic rocks of oceanic affinity, in both unconformable and faulted contact with the Nicola Group (Moore, 1989); plutons range in age from Triassic to Cretaceous. Triassic volcanic facies may be more abundant in the east than shown ... but their extent is a matter of dispute. The Paleozoic and Triassic stratified rocks are complexly faulted and typically metamorphosed to low greenschist facies. They are overlain unconformably by clastic and volcanic rocks of Jurassic to Tertiary age, of less complex structure and largely unmetamorphosed. Eocene Kamloops volcanic rocks, mainly basalt and andesite, underlie large parts of the Okanagan Highlands. There are two main sets of major faults: north-westerly striking, at least partly contractional features that are probably Mesozoic, and northerly striking Tertiary extensional faults. The latter have probably controlled Eocene sedimentation ... and are overlapped by Miocene basalt. The eastern margin of the Guichon Creek batholith, and the Nicola horst, are bounded by steep Tertiary faults.

The Nicola Group rocks have been intruded by Triassic and Jurassic plutons, of which the Guichon Creek batholith (McMillan, 1976, 1978) is the largest and most important from the metallogenic standpoint. The stratified rocks are complexly faulted and regionally metamorphosed, typically to lower greenschist facies.

The Nicola Horst ("central Nicola horst" of Moore, 1989) is a major structure bounded by Tertiary faults. It contains Nicola strata and quartzite (metachert?), metaconglomerate and black schist of unknown age, which are penetratively deformed and metamorphosed to amphibolite facies. These are cut by a variety of plutonic rocks ranging from metagabbro and tonalite to granite.

Regional geology is shown on Figure 3 (data provided by M. Cathro, Resident Geologist, Kamloops, and by the Map Place, http://www.em.gov.bc.ca/Mining/Geolsurv/MapPlace/MoreDetails/exploration.htm).

#### **Property Geology**

Due to extensive glacial deposits, bedrock exposure is poor on the property – almost all known exposures are along roadcuts of the Coquihalla Connector, on a ridge of diorite on the northwest portion of the 401 Grid, and along the gully of Cola Creek (Figures 4, 5, Map 1). The property is underlain by the western facies of the Upper Triassic - Lower Jurassic Nicola Group (Preto, 1979). This facies consists of calcalkaline volcanic rocks and lesser epiclastic rocks, and is remarkable for the appearance of intermediate to felsic volcanic centres, such as that found at Iron Mountain southeast of Merritt. Mafic to intermediate Nicola volcanic rocks have fine-grained aphanitic matrices with abundant chlorite + epidote + calcite, commonly as fracture and vein fillings and less commonly as replacements of phenocrysts, matrix or clasts. Colour is usually dark green. The volcanics are generally massive to weakly foliated, with little or no primary structures visible.

Intruding the volcanics is one or more Lower Triassic to Jurassic diorite bodies (as mapped by Moore and Pettipas, 1990), which form a distinctive composite magnetic high on Gitennes' airborne magnetic maps (Figure 4, Map 1). The high is believed to comprise two separate features – on the west is a north-trending dyke-like

body, and to the southeast is a rounded northwest-trending oblate body of diorite and gabbro. The two are separated by a zone of lower magnetics along the upper part of Cola Creek, which is interpreted to be an extension of the mafic metavolcanic host rocks, but which may be a zone of magnetite destruction along a fault. The very sharp magnetic boundaries between Nicola metavolcanics and diorite suggest the latter have near vertical to vertical contacts. The 401 VLF-EM conductor appears to parallel the northeastern margin of the oblate magnetic feature (Figure 4), and may be related to it.

Two rusty shear zones, each about 8 – 10 metres wide and trending 095° - 100°, crop out on the edge of the highway (Pautler, 1988). Offset of the host mafic metavolcanics on either is unknown. The zones are silicified and sericitized, and have up to 10% disseminated pyrite. The steep-sided ENE-trending gully along Cola Creek is thought to mark the trace of a fault.

The main glacial deposits appear to be poorly sorted sandy boulder-bearing till and possibly thick glaciofluvial deposits. No glacial striae were observed during mapping, nor were any oriented current structures in the glaciofluvial sediments measured.

## **DEPOSIT TYPES**

Gitennes is exploring the Fox South Property for its potential to host copper-gold mineralization. The proximity of a diorite body intruding Nicola volcanics suggests the potential for mineralization similar to that hosted by the Iron Mask Batholith near Kamloops. On the Fox South Property, the immediate area of the 401 VLF-EM conductor has been the focus of exploration work by Gitennes.

# **EXPLORATION**

All UTM coordinates in this report use Zone 10 NAD83 Datum. Positioning is determined with hand-held GPS units, which usually display an accuracy of 5 to 25 metres, depending on satellite reception.

This report describes geological mapping of the 401 Grid, an EM16-R survey undertaken on the VLF-EM trend surveyed in 2001, and MMI soil sampling on portions of the 401 Grid. The grid is located entirely within the CLAP 2 Claim (Figure 2).

#### Geology of the 401 Grid

Figure 5 and Map 1 show the geology of the 401 Grid, based on mapping carried out in June 2004, on geological data not previously filed for assessment work credits by Gitennes, and on an airborne geophysical survey flown on behalf of Gitennes in 2000.

From west to east, the 401 Grid is underlain by mafic metavolcanics of the Nicola Group, by massivelooking magnetic diorite, then by more mafic metavolcanics. Both the western and eastern metavolcanics are dark green, fine-grained, weakly foliated rocks that lack well developed internal structures. Some exhibit what may be a clastic texture, which may indicate they are volcaniclastic flow facies; otherwise the rocks are thought to be flows. Contacts are rare and ambiguous – north of Cola Creek they appear to trend 235° and dip 55° and 65°. There is no evidence for either subaqueous or subaerial extrusion. Although weakly to moderately magnetic, the metavolcanics correlate well with a strong airborne magnetic low that appears to wrap around the composite magnetic high. There are, however, no magnetic trends within the magnetic low to aid in resolving the strike of the metavolcanics. Narrow (< 1 metre) near-vertical rusty shear(?) zones or fracture zones can be found in several metavolcanic exposures along Cola Creek, but steep topography prevents easy access to the zones on

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the gully banks. Where accessible, these zones appear to be more intermediate than mafic, although this is likely due to weak silicification and sericitization. Pyrite content is on the order of several percent.

Fine- to medium-grained strongly magnetic diorite crops out on Lines 4+00W to 2+00W. Based on interpretation of Gitennes' airborne magnetics, these exposures are part of the north-trending dyke of diorite. Exposures of similar-looking diorite occur at a truck pullout on the Coquihalla Connector southeast of the Fox South Property – these would correspond with the oblate magnetic high east of the dyke.

Ten rock samples (Figure 5) were collected from several outcrops and from a number of boulders exposed on surface. Results are given in Appendix I. The best Au result (4.84 ppm) is from a completely Fe-oxidized boulder (Sample 23884), one of several boulders at Line 2+00W – 7+00N, site of a B-horizon Au – Cu anomaly (Freeze, 2002). Other anomalous elements include Ag, As, Cu, Mo and Pb. The boulders do not appear to have an immediate source in bedrock, which in this location is diorite. Sample 23885 was a grab from a rusty shear or fracture zone on the north bank of Cola Creek – it had no significant analytical results. Quartz-carbonate veining with rare pyrite was seen in a cobble (Sample 23891) exposed in Cola Creek – this returned 0.318 ppm Au and 483 ppm Cu. The seven remaining samples did not return any significant results.

#### MMI-A and MMI-B Soil Sampling of the 401 Grid

The MMI geochemical analytical technique uses weak partial extractions of suites of elements to enhance geochemical responses over buried ore deposits (Birrell & Mann, 1998. Sampling media and methods are discussed in the section entitled "Sampling Method and Approach" below.

MMI-A (base metals suite - Cu, Zn, Cd, Pb) and MMI-B (precious metals suite - Au, Co, Ni, Pd, Ag) were selected for soil analyses, to correspond with samples taken on the 401 Grid in 2001 (Freeze, 2001). Results are often reported as stacked profiles of response ratios (Birrell and Mann, 1998) to enhance anomalies. However, correlation coefficients (see Appendix I) suggest the possibility of three populations of elements, in turn suggesting the possibility of three types of bedrock mineralization. The first is characterized by Cu, Ag and possibly Au; the second by Ni and Co; and the third by Zn and possibly Cd, Pb and Au (Cd, Pd and Au correlations are biased by the large number of samples below detection limit). Because of this, the raw results were plotted for each element (see Figures 6 to 14, inclusive).

Contouring of Cu, Zn, Cd, Ni, and Ag (Figures 6, 7, 8, 12, 13) suggests a trend in the eastern metavolcanics of 075° to 090°, slightly oblique or parallel to the interpreted fault along Cola Creek (the data are ambiguous, as contouring could also be done at 105° to 120°. In general though, more continuous contouring can be done in the 075° - 090° trend.) For other elements such as Au and Co (Figures 10 and 11), anomalous results tend to be spot highs with no obvious contourable trends. The 075° - 090° trend is also apparent for elements (Zn, Ni, Ag; Figures 7, 12, 13) that can be contoured within the diorite. Zn contours in the diorite trend about 080°. Pb contours (Figure 9) in the diorite trend about 110°, a similar trend to the VLF-EM conductor. Otherwise, anomalous results for other elements within the extents of the diorite are usually spot highs at the site of rock sample 23888, suggesting a proximal bedrock source can be expected for this boulder.

As suggested by the correlation coefficients, there are three element associations that can be interpreted from the contoured maps: 1) Cu and Ag contouring suggest there is a correlation between these two in eastern metavolcanics, which may point to mineralization increasing to the northeast, toward Clapperton Creek; 2) Ni and Co are also indicating increasing mineralization toward Clapperton Creek in the mafic metavolcanics, and

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possibly mineralization at the contact of the western metavolcanics and the diorite on the northwest extreme of the 401 Grid; and 3)  $Zn \pm Co \pm Pb$  indicate mineralization within the diorite at the northern extremities of Lines 200W to 400W, and within the eastern metavolcanics immediately north of Cola Creek.

## EM16-R Surveying

A Geonics EM16 (Serial No. 8301010) unit with an EM16-R console (Serial No. 8303005) was used to determine resistivity on four lines totalling 1100 line-metres over the 401 VLF-EM trend. "The EM16-R unit measures the ratio and the phase angle between the horizontal electrical and magnetic fields of the wave propagated by distant VLF radio transmitters in order to determine the resistivity of the ground" (Geonics Limited, 1979). For this survey, an EM16-R console was mounted on the EM16 unit and phase angle data were recorded. A VLF-EM transmitter station (Seattle NLK) was selected, and at each survey station the long axis of the unit was oriented by nulling an audible signal in the direction of the transmitter. Two probes were run out 5 metres towards and away from the EM16-R console in line with the long axis of the unit, and pushed into the ground. The audible signal nulled by the EM16 quadrature knob, and was further nulled by the phase control knob on the EM16-R unit. The latter gives the phase angle by which the measured electrical field component leads the reference magnetic field component. Determination of the phase angle indicates whether a resistive layer (phase angle decreases) or a more conductive layer (phase angle increases) is present. When the phase angle is 45°, the earth is of uniform resistivity.

Results of the resistivity survey are shown on Figure 15. Resistivity profiles have an abrupt southern shoulder (especially Line 3+00E), and generally a gentle northern positive slope, suggesting a bedrock or overburden feature dipping shallowly to the north. The decrease in phase angle over the conductor axis may indicate that overburden is much thinner, and that the conductor is related to a bedrock high.

# SAMPLING METHODS AND APPROACH

# Rock and Float Sampling

Ten grab samples were chosen from float and bedrock (Figure 5). No duplicates were inserted into the sample stream. All were delivered to ALS Chemex Laboratories in North Vancouver, British Columbia.

#### MMI Soil Sampling

Ninety-one soil samples were collected during this work programme from a number of lines on the 401 Grid. Unlike conventional soil sampling of specific soil layers, MMI (mobile metal ion) sampling requires samples to be taken at a consistent depth, no matter what the soil horizon may be (Birrell and Mann, 1998). Samples were collected from holes hand-dug with a stainless steel gardening trowel, at a depth of 15-25 centimetres below the Ah or Ao horizon. Samples were sieved with a 1/4-inch mesh stainless steel riddle to remove pebbles and coarse organic matter. Most of the soil collected for MMI was fine medium brown pebble-bearing sand (B-horizon) with no significant clay content. Black organic muck in wet areas was collected from depths of 20-35 centimetres. At that depth; these samples were generally still within or at the bottom of the Ao horizon, but standing water prevented any deeper digging. All samples were placed in plastic ziploc bags. They were not weighed, but would have been about 300-600 grams. None was dried prior to shipment. No duplicates were inserted into the sample stream. All were shipped to SGS Canada Inc. in Don Mills, Ontario for analyses.

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# SAMPLE PREPARATION, ANALYSES AND SECURITY

ALS Chemex is an ISO 9001:2000 registered laboratory. For the samples taken for this report, the rock preparation procedure begins in their North Vancouver facility with a primary crush to yield a crushed product of which greater than 70% is less than approximately 2 mm (ALS Code CRU-31). A crushed sample split (200 - 300 grams) is ground using a ring mill pulveriser with a chrome steel ring set (code PUL-31; grinding with chrome steel may impart trace amounts of iron and chromium into a sample). The specification for this procedure is that greater than 85% of the ground material must pass through a 75-micron screen. A 30-gram split is then taken using a stainless steel riffle splitter. Gold is assayed by fire assay fusion with an inductively-coupled plasma atomic emission spectroscopy (ICP-AES) finish (Sample Code Au-ICP21; detection limits 0.001 - 2 ppm). The sample is fused with a mixture of lead oxide, sodium carbonate, borax, silica and other reagents as required, inquarted with 6 mg of gold-free silver and then cupelled to yield a precious metal bead. The bead is digested in 0.5 ml dilute nitric acid in a microwave oven, 0.5 ml hydrochloric acid is added and the bead further digested in the microwave at low power. The digested solution is cooled, diluted to 4 ml total volume with demineralized water, and analysed for Au by ICP-AES against matrix-matched standards. The ICP41 Package was used for trace element determination of 32 elements. A sample split (0.50 gram) is digested with agua regia for at least one hour in a graphite heating block. After cooling, the resulting solution is diluted to 12.5 ml with demineralized water, mixed and analysed by ICP-AES for major elements (AI, B, Ba, Be, Ca, Co, Cr, Fe, K, La, Mg, Mn, Na, Ni, P, Pb, S, Sc, Sr, Ti, V, Zn). The analytical results are reviewed for high concentrations of Bi, Mo, Ag and W and diluted accordingly. Samples are then analysed for Ag, As, Bi, Cd, Ce, Cu, Ga, In, Li, Mo, Nb, Rb, Rh, Sb, Se, Ta, Te, Th, TI, U, W, Y and Zr by inductively-coupled plasma - mass spectrometry (ICP-MS). Results for Ag, As, Bi, Cd, Cu, Ga, Mo, Sb, Tl, U and W are combinations of ICP-AES and ICP-MS scans.

For the MMI soil samples, no sample preparation was required in the field. No quality control measures beyond those implemented by SGS for the MMI samples were deemed necessary. As well, no extraordinary security measures were put in place. Samples were delivered by bus to the lab, to undergo analyses using the SGS protocol for MMI-A (base metals suite) and MMI-B (precious metals suite) samples. No laboratory preparation is done on MMI samples prior to analyses. Fifty grams of as received material is weighed into a plastic container with screw cap. Fifty millilitres of MMI extractant ("B" for precious metals suite or "A" for base metal suite) is added and the container is capped. Extraction takes place at room temperature on a shaker for 20 minutes and allowed to settle overnight. The resulting extractant is decanted and if required is centrifuged. The sample then undergoes the following procedure for analyses:

- 1. Pipette 1 ml sample into centrifuge test tube.
- 2. Add 9 ml (to the mark 10 ml) solution B, containing 50 ppb Re internal standard, internal standard's final concentration being 45 ppb.
- 3. Cover sample with parafilm and shake.
- 4. Load samples into racks and set into the auto/sampler station.

The samples are analysed for the various elements of interest using ICP-MS. All extraction apparatus and test tubes from the instrument are disposed after analysis.

Analytical results of the MMI sampling are given in Appendix I; the analytical certificate is in Appendix II.

## DATA VERIFICATION

No data verification procedures were applied. The writer received all analytical data directly in electronic files submitted by ALS Chemex and SGS to Gitennes, and is responsible for compiling and interpreting this data. The writer does not believe that rigorous data verification is required for the amount of work reported on herein, but that this will change should the property be subject to additional sampling in future.

#### INTERPRETATION AND CONCLUSIONS

Bedrock geology on the 401 Grid comprises Nicola metavolcanic rocks and diorite. Both lithologies correlate well with airborne magnetics.

Correlation coefficients for the MMI sampling (see Appendix I) indicate three populations of elements, in turn suggesting the possibility of three types of bedrock mineralization. The first is characterized by Cu, Ag and possibly Au; the second by Ni and Co; and the third by Zn and possibly Cd, Pb and Au. These correlations can be recognized in contoured data for these elements, which in turn suggests the potential for two or more targets. The first is in the mafic metavolcanics east of the diorite – in general, MMI results show an increase in strength toward Clapperton Creek and subparallel to the interpreted fault along Cola Creek. The second target is developing in diorite, at the north ends of Lines 2+00W to 4+00W. In part, this target will include the bedrock source of the gold-arsenic mineralization of Sample 23884. There is however, the suggestion of an Ni – Co target that remains open to the north and west, possibly related to the contact between diorite and mafic metavolcanics.

Signed and sealed this 5 day of August, 2004 in Vancouver, British Columbia, Canada:

DALL R A ' ' (Signed and Sealed by)

James & Ebster, H.B.Sc., P.Geo. Registration Number 27413

# ITEMIZED COST STATEMENT

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# FOX SOUTH PROPERTY

Office preparation, travel	3 days @ \$454.75/day; James R. Foster, P.Geol.	\$1364.25
Field work, June 26-30, 2004	4 days @ \$454.75/day; James R. Foster, P.Geol.	\$1819.00
Analyses: ALS Chemex	10 rocks @ \$33.38/sample	333.79
Analyses: SGS Laboratories	91 MMIAB5 @ \$42.80/sample	3894.80
Accommodation June 26 – 29, 2004	4 nights @ \$102.96/night	411.82
Equipment + supplies		303.87
Meals and Groceries June 26 - 30, 2004		374.96
Vehicle expenses	Gas, highway tolls	144.55
Report preparation, draughting	9.75 days @ \$454.75/day; James R. Foster, P.Geol.	4433.81
	TOTAL	\$13080.85

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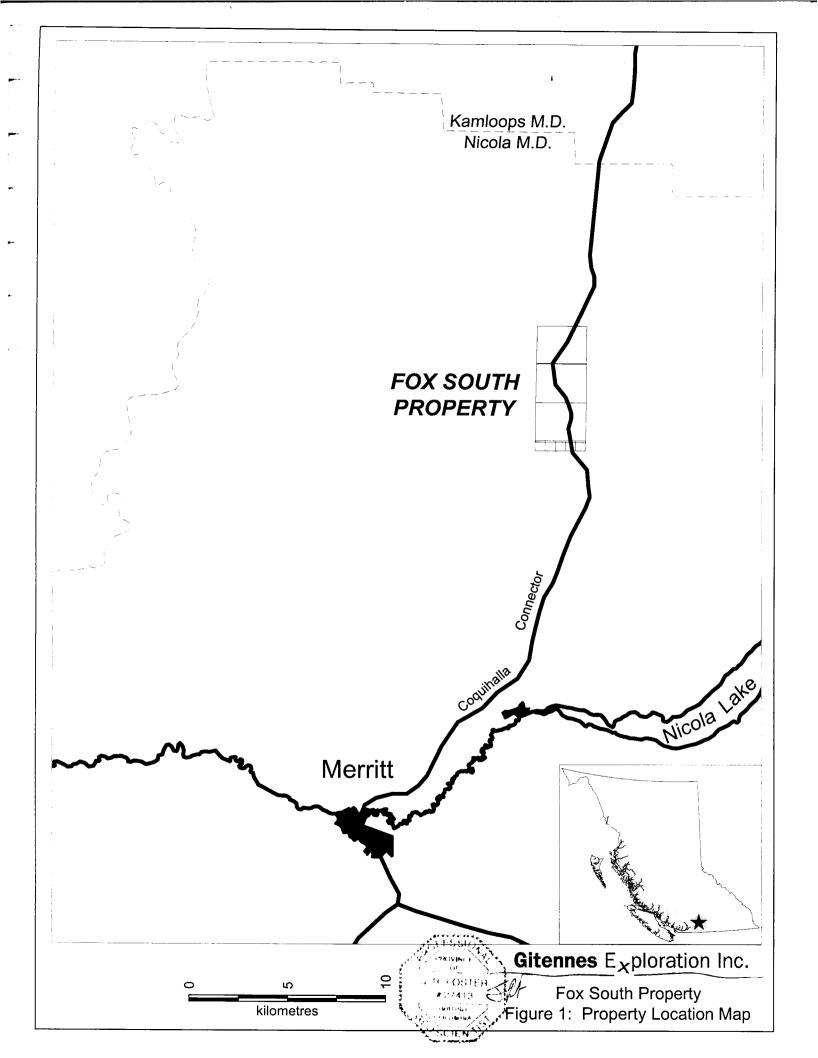
**DIGHEM<sup>V</sup> Survey for Gitennes Exploration Inc., Fox Property, B.C.**; unpublished report prepared for Gitennes Exploration Inc. by Fugro Airborne Surveys Corp.

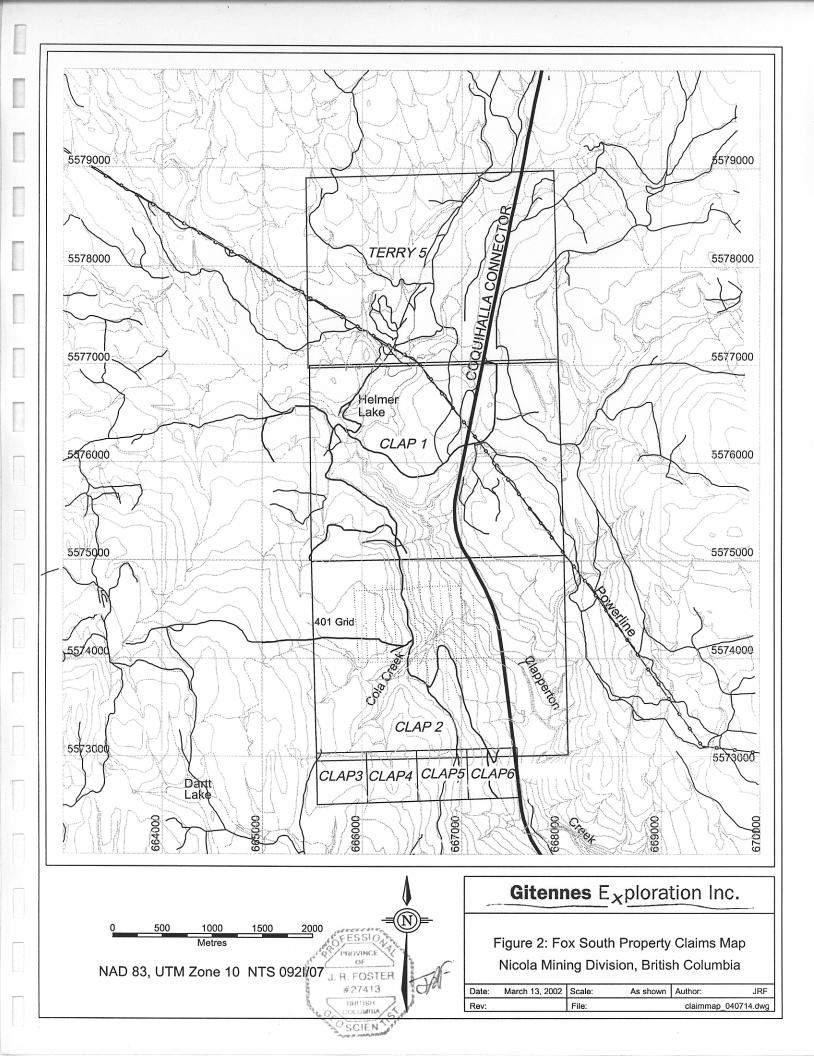
# CERTIFICATE of QUALIFIED PERSON,

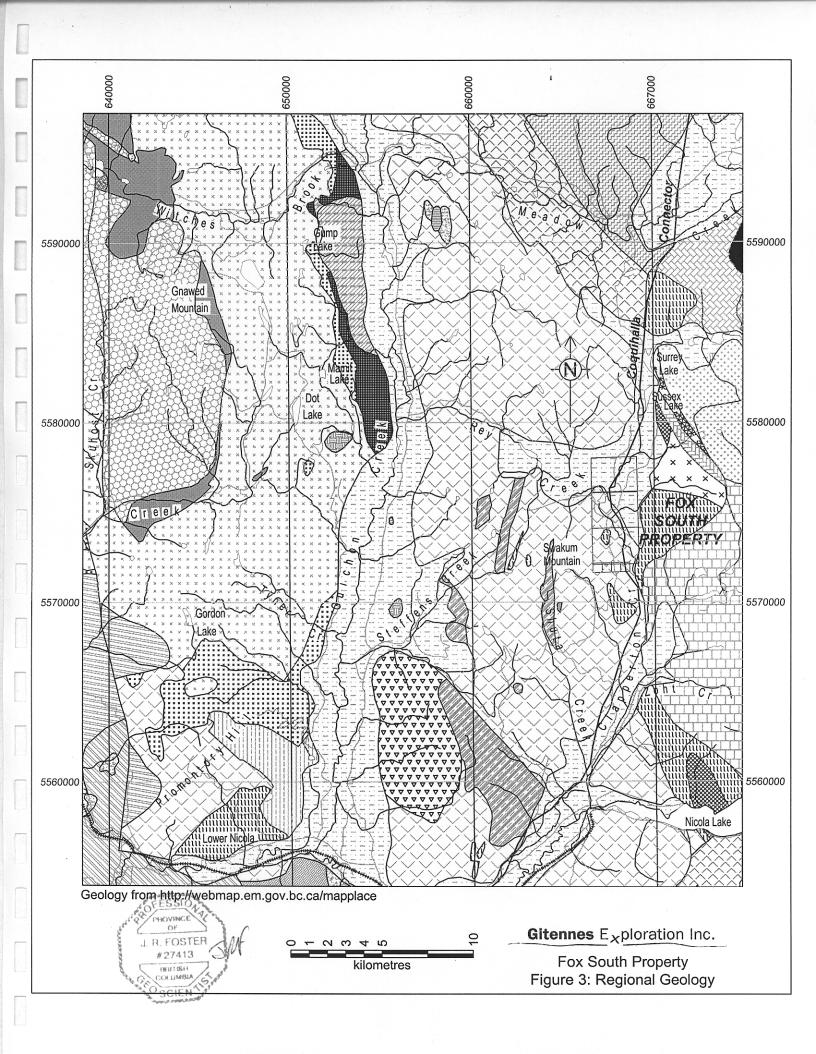
I, James Rutherford Foster, P. Geol., do hereby certify that:

- 1. I am a geologist residing at 301-7300 Moffatt Road, Richmond, British Columbia, Canada, V6Y 1X8;
- 2. I graduated from the University of Waterloo with an Honours Bachelor of Sciences degree in Earth Sciences and Geography in 1979;
- 3. I have practised my profession 27 years since 1976;
- 4. I have read the definition of "qualified person" as set out in National Instrument 43-101 and certify that by reason of my education, affiliation with the Association of Professional Engineers and Geoscientists of British Columbia (Registration Number 27413) and past relevant work experience, I fulfil the requirements to be a qualified person;
- 5. I am responsible for the preparation of this Assessment Work Report titled "Assessment Work Report for Geological Mapping, VLF-EM Resistivity and MMI Soil Sampling Surveys on the Fox South Property comprising the CLAP 1-7 and TERRY 5 Claims, Nicola Mining Division, British Columbia" and dated Aug 5, 2004. I visited the property for a total of four days in 2004;
- 6. As of the date of this certificate, I am not aware of any material fact or material change with regard to the Fox South Property that would make this Assessment Work Report misleading;
- 7. I am Vice President and an Officer of Gitennes Exploration Inc.

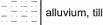
Dated the 5th day of August 2064 in the City of Vancouver, British Columbia.
ent Q PHOVINCE
Signed and Sealed by)
G CLANINGLA A P
James R. Poster, P. Geo. Registration Number 27413







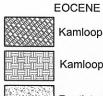
# STRATIFIED ROCKS



MIOCENE



basaltic volcanic rocks



Kamloops Group undivided sedimentary rocks

Kamloops Group undivided volcanics

Penticton Group volcaniclastic rocks

Princeton Group andesitic volcanic rocks

# LOWER CRETACEOUS

Spences Bridge Group Pimainus Formation

Spences Bridge Group Spius Creek Formation

# LOWER to MIDDLE JURASSIC



Ashcroft Formation

#### UPPER TRIASSIC



Nicola Group, Western Volcanic Facies

Nicola Group, Central Volcanic Facies

Nicola Group, Eastern Volcanic Facies

# Gitennes Exploration Inc.

# Legend to accompany Figure 3

# **INTRUSIVE ROCKS**

PALEOCENE INTRUSIVES

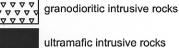


granodiorite

## LATE TRIASSIC to EARLY JURASSIC INTRUSIVES



dioritic to gabbroic intrusive rocks



## **GUICHON CREEK BATHOLITH**



LTrJGBqd - Border Phase quartz diorite

LTrJGBgd - granodioritic intrusive rocks



Gump Lake Phase granodiorite

Highland Valley Phase granodiorite

Bethsaida Phase quartz monzonite

# NICOLA HORST

#### **TRIASSIC to JURASSIC**

Nicola Group, lower amphibolite - kyanite phase rocks



Nicola Group - andesitic volcanic rocks

## PALEOZOIC to MESOZOIC

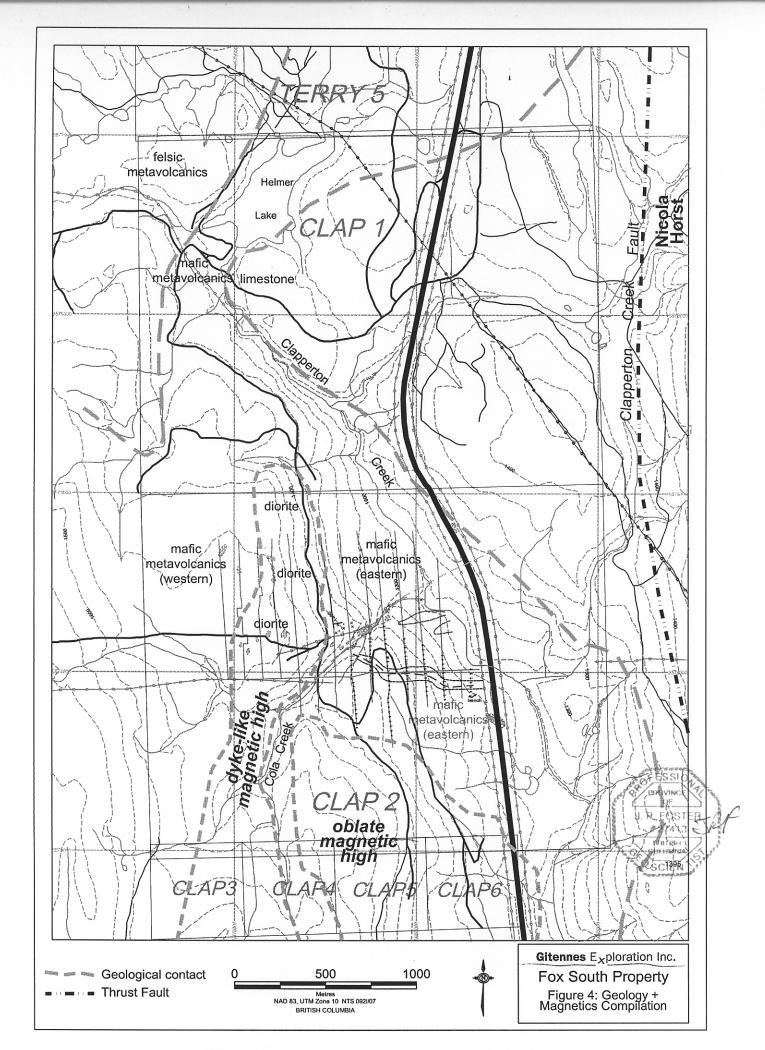
metamorphosed rocks, undivided

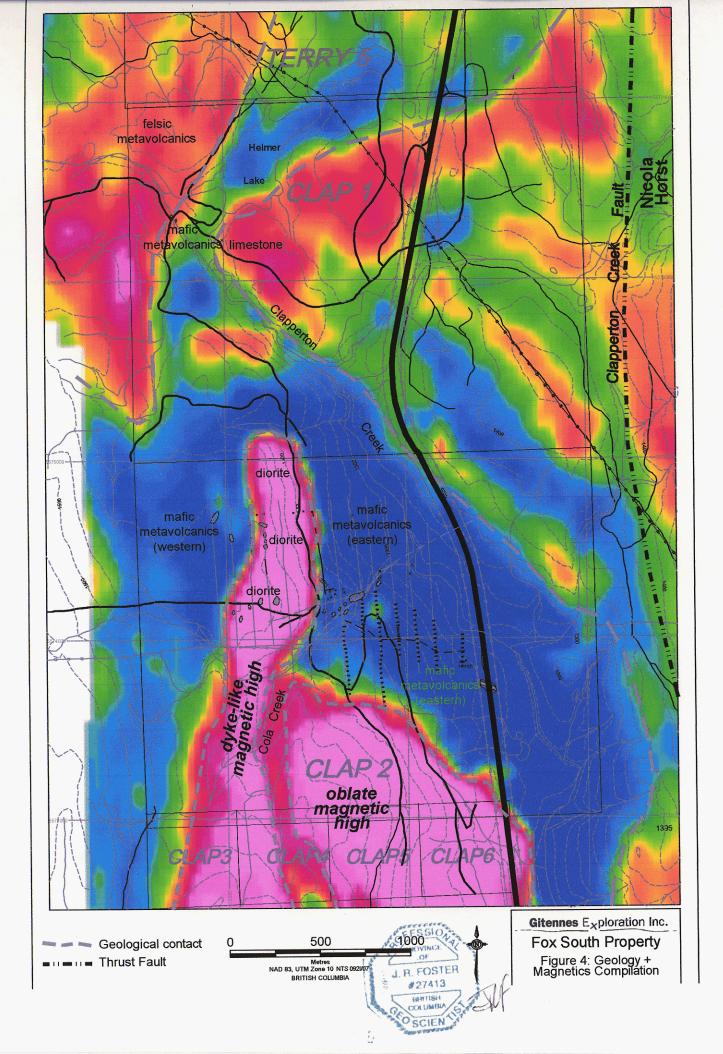
# LATE TRIASSIC to EARLY JURASSIC INTRUSIVES

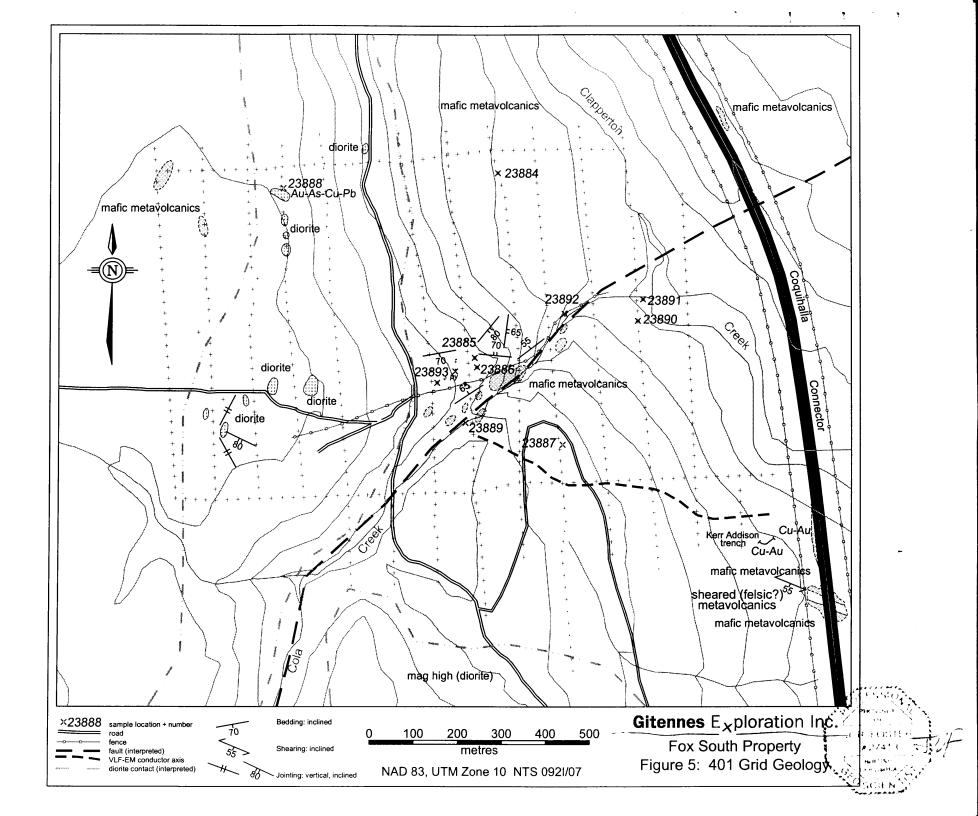
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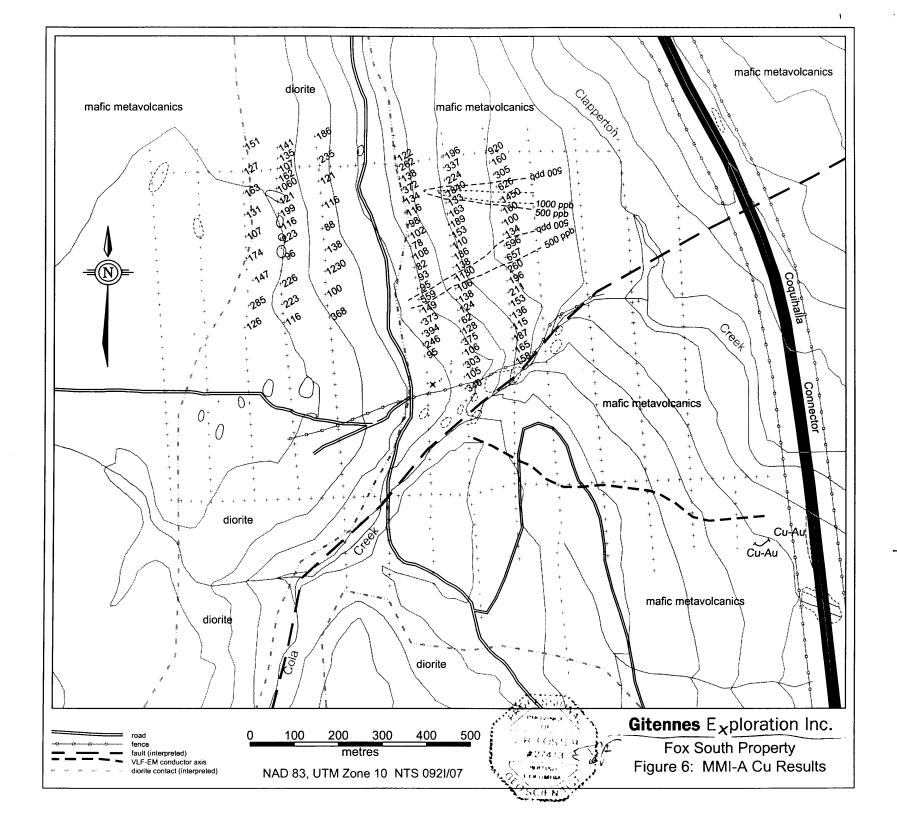
nalite intrusive rocks

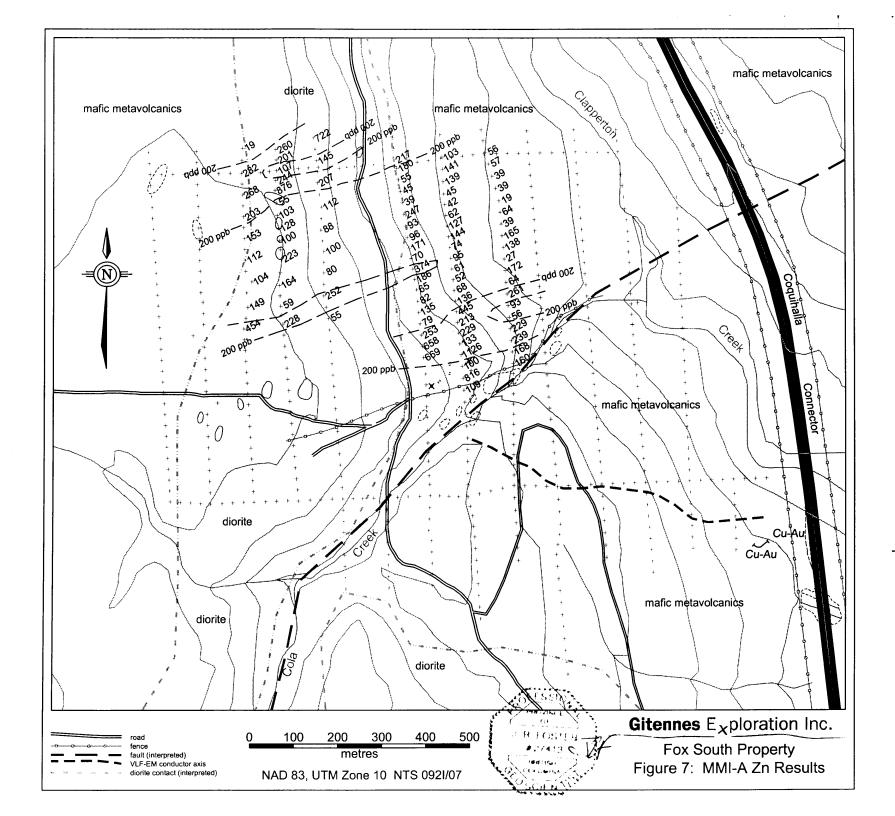
anodiorite to monzonite

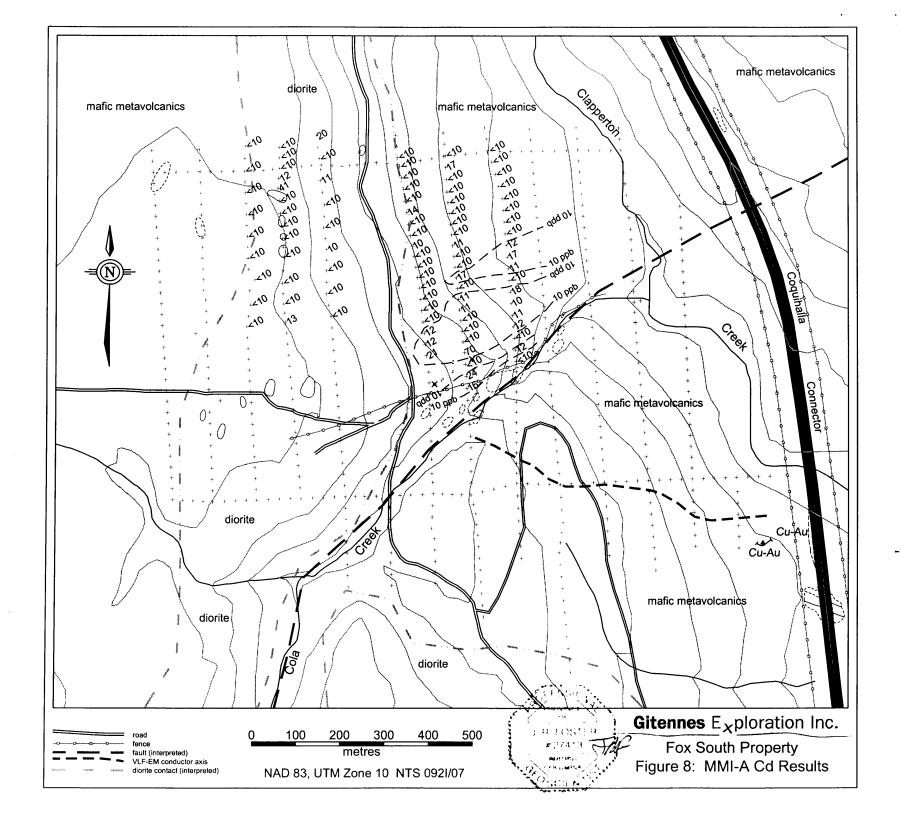


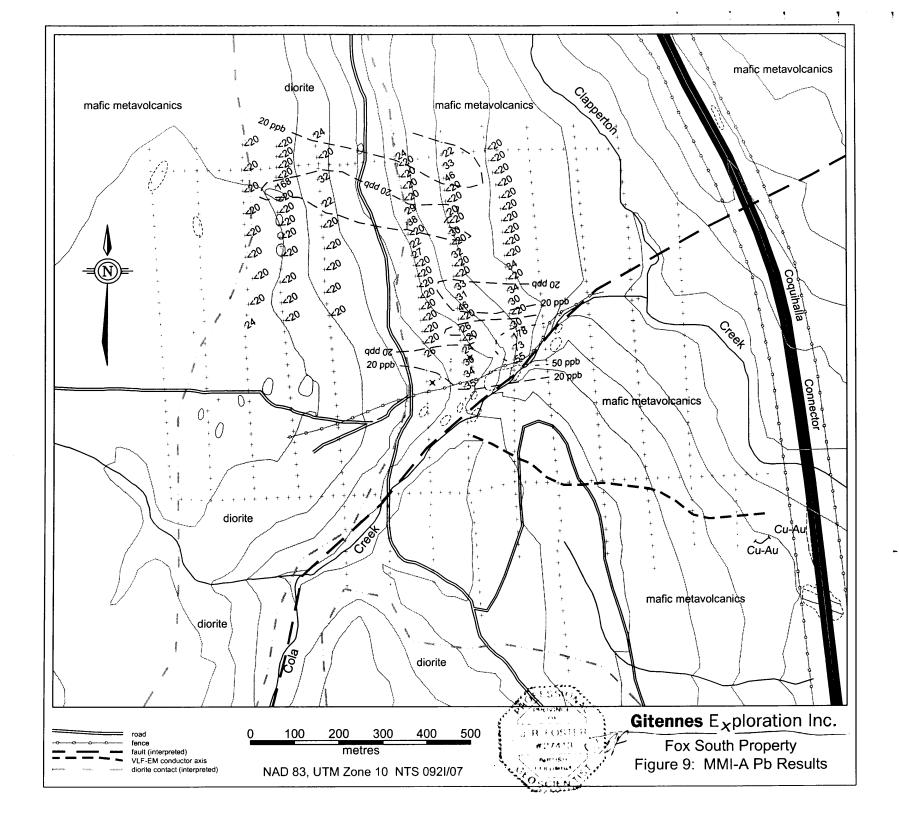


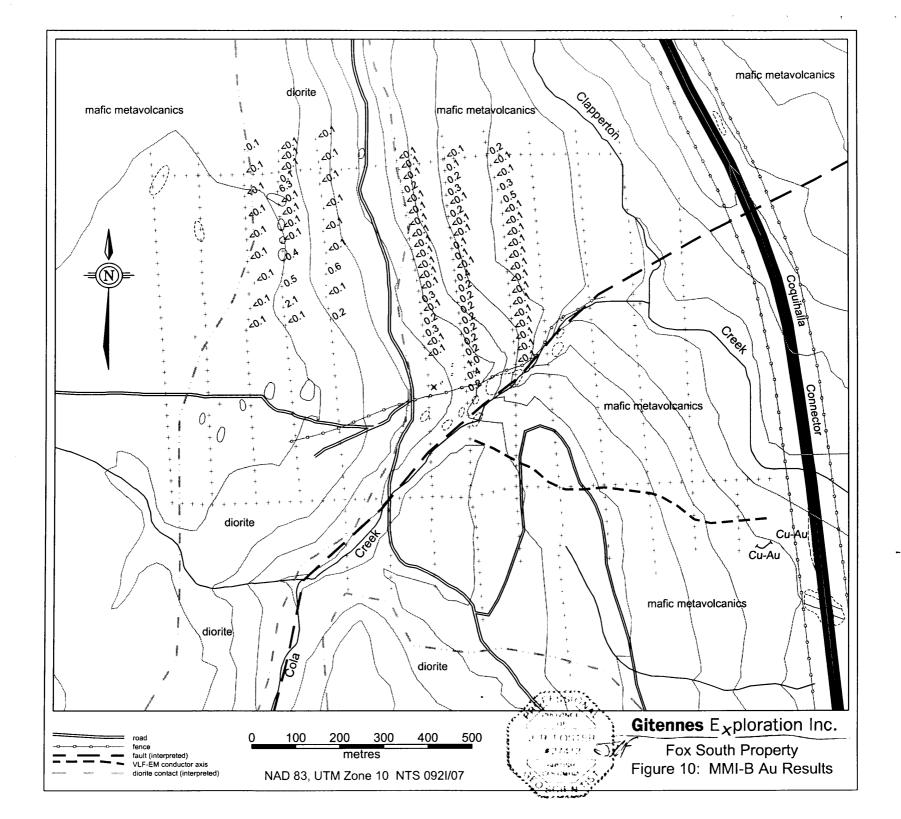


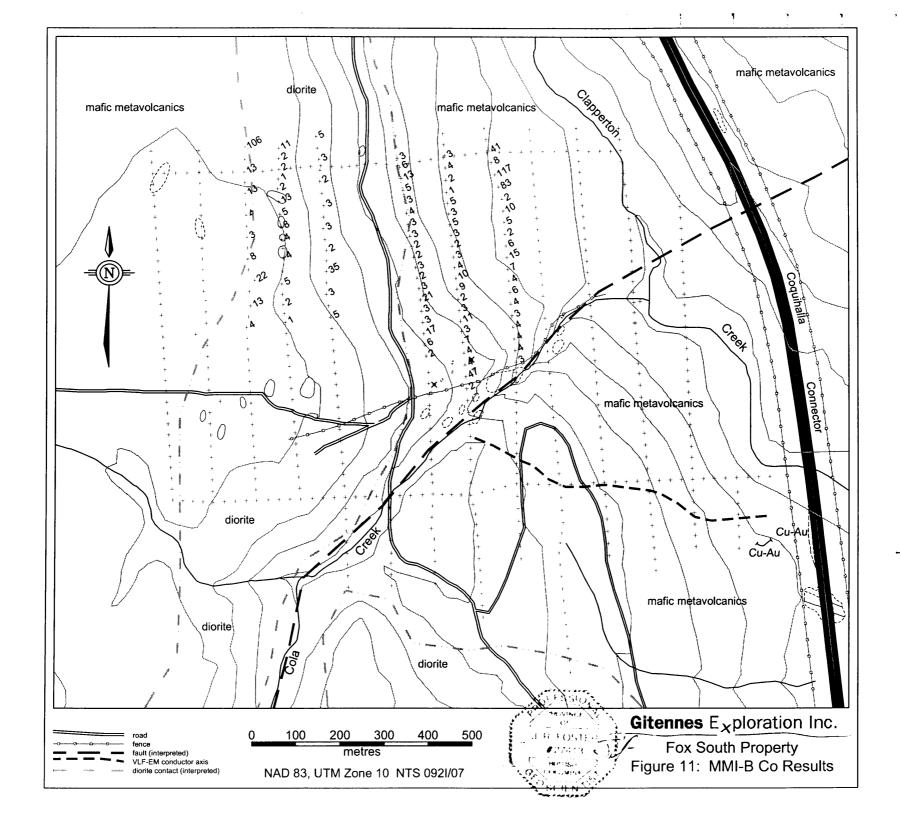


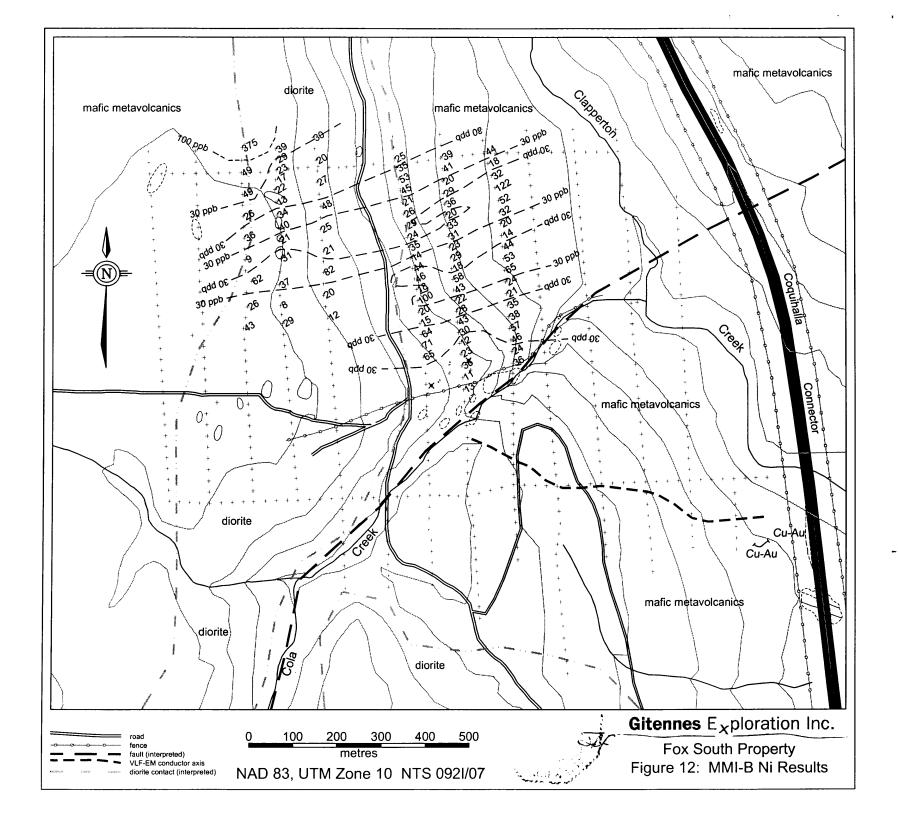


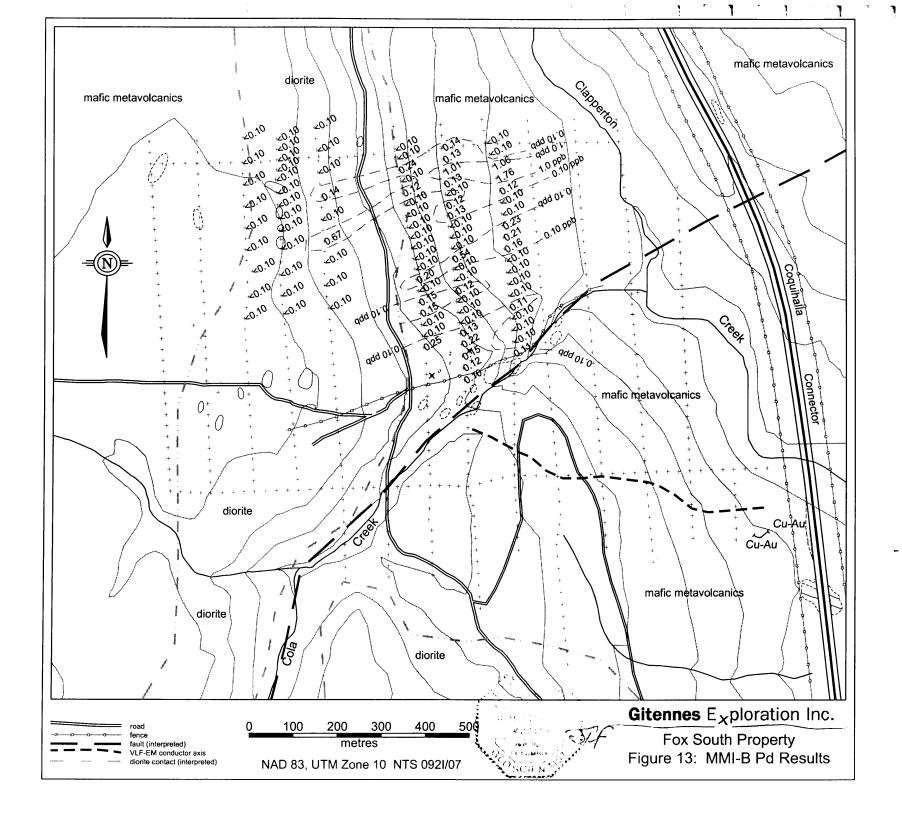


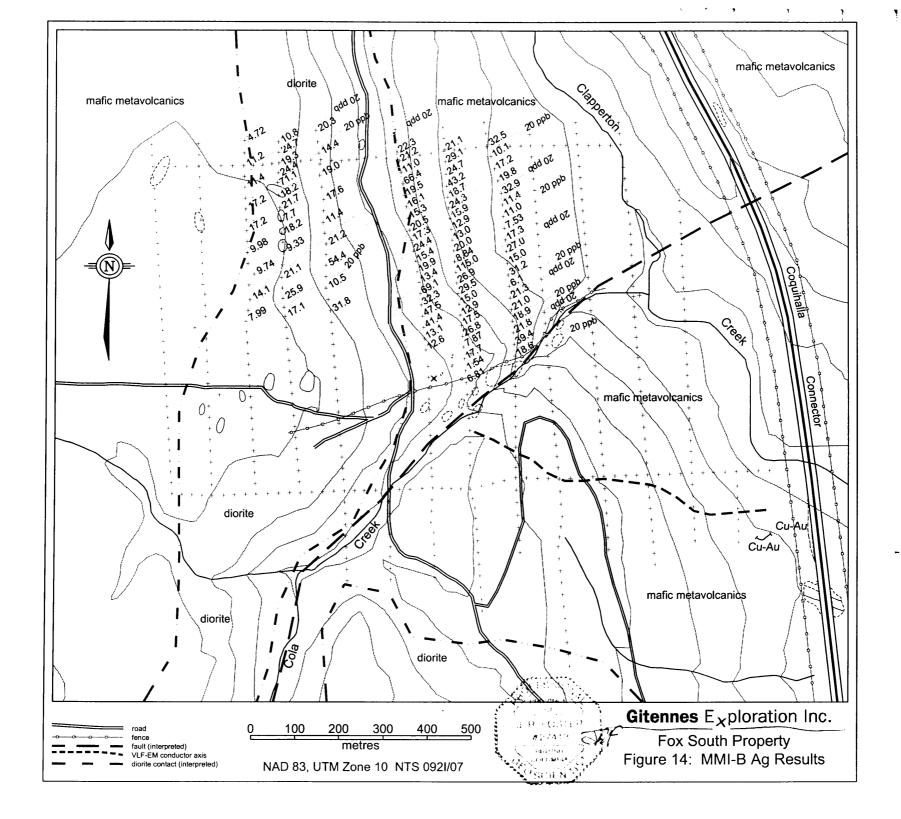




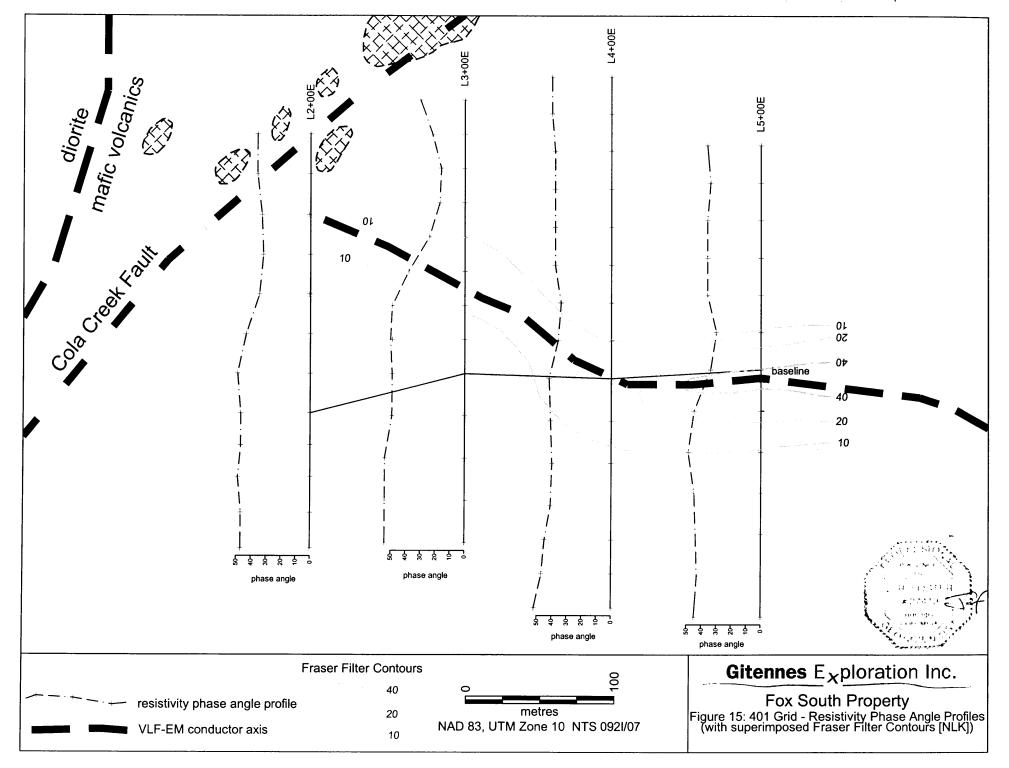












# APPENDIX I

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Rock and MMI Sampling Spreadsheets

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# GITENNES EXPLORATION INC. Fox South Property 2004 Rock Sampling Assays and Analyses

SAMPLE	DATE	SAMPLER	NAD83E	NAD83N	ELEV	TYPE	SOURCE	SAMPLE DESCRIPTION	CERTIFICATE	Au_ppm	Ag_ppm	AI %	As_ppm	B ppm	Ba ppm
23884	26-Jun-04	JRF	667698	5574687		grab	float	L300E-700N; bk f-g maf volc, possiblky qz-porph'c, vesic; magnetic; cpy >1%	VA04042269	0.002		0.84	0.4	<10	
23885	26-Jun-04	JRF	667628	5574264	1396	grab	o/c	int volc, m2-3% py, mod mag'c, wkly silic'd	VA04042269	0.003	0.05	1.69	10.6	<10	
23886	26-Jun-04	JRF	667628	5574264	1396	grab	o/c	qz vn; py present; vn dimensions unknown (poor o/c)	VA04042269	0.014	0.06	1.02	14.6	10	
23887	28-Jun-04	JRF	667820	5574078		grab	float	qz-ep-cc vn'd alt'd rock in approx location of VLF axis	VA04042269	0.003	0.01	2.35	17.8	10	40
23888	29-Jun-04	JRF	667211	5574653	1455	grab	float	L200W-700N; rusty diorite? Possible source of Cu in soil anom	VA04042269	4.840	14.25	0.31	>10000	<10	
23889	30-Jun-04	JRF	667625	5574131			float	fels volc (old 2002 sample in Cola Creek); 5-85 dissem py	VA04042269	0.038	0.23	0.54	50.6	10	
23890	30-Jun-04	JRF	668017	5574358	1296	grab	float	maf-int volc; wkly mag'c, <1% py +/- cpy	VA04042269	0.078	0.24	2.56	210.0	<10	
23891	30-Jun-04	JRF	668029	5574404	1304	grab	float	qz vn + py + hem; one of several similar cobbles in creek	VA04042269	0.318	2.76	0.56	107.0	<10	
23892	30-Jun-04	JRF	667850	5574375	1311	grab	float	wkly silic'd maf volc, probable pod in unsilic'd o/c beside Cola Creek	VA04042269	0.058	0.34	2.46	25.5	10	
23893	30-Jun-04	JRF	667601	5574246	1395	grab	float	maf volc + qz vnlts w/py; rusty on frac surfaces	VA04042269	0.020	0.14	1.02	10.0		

App1\_rx.xls Rocks

**GITENNES EXPLORATION INC.** Fox South Property 2004 Rock Sampling Assays and Analyses

SAMPLE	Be_ppm	Bi_ppm	Ca_%	Cd_ppm	Ce_ppm	Co_ppm	Cr_ppm	Cs_ppm	Cu_ppm	Fe_%	Ga_ppm	Ge_ppm	Hf_ppm	Hg_ppm	In_ppm	K_%	La_ppm	Li_ppm	Mg_%	Mn_ppm	Mo_ppm	Na_%	Nb ppm
23884	0.62	<0.01	0.74	0.08	30.30	48.6	84	0.14	42.6	5.88	3.06	0.18	0.17	0.02	0.007	0.05	15.9	3.3	4.35	875	1.30	0.26	1.07
23885	0.28	0.07	1.92	0.04	3.32	14.6	28	0.68	34.6	5.39	6.21	0.18	0.31	0.06	0.018	0.14	1.4	6.6	1.36	596	1.16	0.08	0.10
23886	0.15	0.12	1.44	0.03	3.66	7.3	38	<0.05	9.3	4.87	8.21	0.41	0.27	0.17	0.043	0.08	1.9	1.0	0.22	166	1.28	0.05	0.51
23887	0.11	0.01	4.46	0.09	6.73	25.2	41	0.26	13.4	3.29	6.36	0.23	0.17	0.01	0.014	0.07	3.2	5.0	1.74	935	0.21	0.03	< 0.05
23888	< 0.05	12.75	0.03	0.41	1.13	3.2	28	0.30	2020.0	>15.00	8.15	0.60	0.18	0.52	0.774	0.39	0.6	0.2	0.03	88	14.80	0.05	0.92
23889	0.18	0.19	4.95	0.17	2.74	40.8	14	0.91	37.7	5.58	1.21	0.08	0.02	0.03	0.046	0.33	1.1	0.3	1.63	717	1.58	0.05	< 0.05
23890	0.35	0.19	1.34	0.04	12.55	14.1	12	0.30	108.5	5.27	8.61	0.15	0.30	0.02	0.055	0.08	5.8	9.3	2.33	855	0.71	0.04	0.09
23891	0.10	0.27	>15.00	17.15	11.70	11.2	15	0.17	483.0	3.50	2.83	0.07	0.02	0.18	2.910	0.04	6.6	0.5	0.71	>10000	0.34	0.04	< 0.05
23892	0.23	1.01	0.62	0.06	3.21	39.0	6	0.58	66.0	4.93	7.54	0.08	0.16	0.08	0.012	0.17	1.3	18.3	2.57	513	1.81	0.04	0.12
23893	0.21	0.22	1.07	0.16	3.95	10.5	67	0.24	47.2	3.75	5.77	0.12	0.31	0.12	0.046	0.10	1.5	5.0	0.89	290	1.08	0.07	0.18

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App1\_rx.xls Rocks GITENNES EXPLORATION INC. Fox South Property 2004 Rock Sampling Assays and Analyses

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SAMPLE	Ni_ppm	P_ppm	Pb_ppm	Re_ppm	S_%	Sb_ppm	Sc_ppm	Sr_ppm	Se_ppm	Sn_ppm	Sr_ppm	Ta_ppm	Te_ppm	Th_ppm	Ti_%	TI_ppm	U_ppm	V_ppm	W_ppm	Y_ppm	Zn_ppm	Zr_ppm
23884	259.0	1760	1.6	2.1	<0.001	<0.01	0.1	3.6	0.2	0.7	61.5	0.01	0.01	1.4	0.138	0.02	0.37	36	0.08	10.65	83	9.3
23885	11.7	2090	1.4	5.3	<0.001	0.86	0.6	8.2	0.7	0.6	44.0	<0.01	0.24	0.2	0.213	0.02	0.24	144	0.16	8.48	22	6.1
23886	4.0	1790	2.3	0.7	<0.001	0.72	2.6	6.7	2.0	0.6	252.0	<0.01	0.73	0.2	0.238	<0.02	0.17	116	0.12	5.61	5	5.1
23887	17.2	1380	2.0	2.6	< 0.001	0.01	1.2	11.2	0.2	0.5	367.0	< 0.01	0.02	0.4	0.135	<0.02	0.08	71	0.06	5.57	49	3.8
23888	2.4	790	1260.0	2.9	< 0.001	1.42	10.5	3.7	12.8	0.6	26.9	0.01	0.90	0.5	0.088	0.06	<0.05	238	0.15	0.67	320	7.5
23889	6.2	1940	7.4	7.5	< 0.001	4.43	0.7	9.0	1.7	0.3	106.0	<0.01	0.70	<0.2	<0.005	0.04	<0.05	20	0.08	4.78	40	0.5
23890	9.8	1840	20.5	2.5	< 0.001	0.18	0.5	16.0	0.6	0.5	92.6	<0.01	0.10	0.8	0.150	<0.02	0.31	160	0.28	7.76	48	7.2
23891	14.4	210	238.0	1.1	< 0.001	1.21	14.2	2.5	0.6	0.3	2130.0	<0.01	0.09	<0.2	<0.005	<0.02	0.08	41	3.65	15.85	2110	<0.5
23892	4.5	2030	6.5	6.0	< 0.001	1.05	0.6	7.1	2.9	0.5	41.3	<0.01	0.77	0.2	0.218	0.03	0.16	134	0.33	7.34	58	2.9
23893	9.8	2230	3.5	2.1	<0.001	1.42	1.2	9.4	2.3	0.7	50.9	<0.01	0.79	0.2	0.229	<0.02	0.19	128	0.23	6.81	29	5.3

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App1 MMI.xls 401 Grid

# GITENNES EXPLORATION INC. Fox South Property

#### 2004 MMI Sampling Analytical Results

SAMPLE LINE STATION NAD83E NAD83N DATE SOIL COLOUR COVER TOPOGRAPHY MOISTURE CERTIFICATE Cu Ċd Pb Zn Au Co Ni Pd Ag MdBn 340 16 35 L2+00E 2+25N 200 225 667634 5574211 26-Jun-04 stony till spruce bush E downslope moist 78406 109 0.19 2 13 0.10 6.8 L2+00E 2+50N 200 250 667632 5574238 26-Jun-04 stony till MdBn 78406 105 816 24 34 0.44 47 11 0.12 spruce bush E downslope humid 1.5 30 78406 303 15 1.03 L2+00E 2+75N 200 275 667630 5574264 26-Jun-04 stony till MdBn spruce bush E downslope moist 100 4 36 0.15 17.7 L2+00E 3+00N 200 300 667628 5574291 26-Jun-04 stony till MdBn reforested E downslope moist 78406 106 1126 70 24 0.21 4 23 0.22 7.9 MdBn 78406 375 133 10 0.22 7 0.13 L2+00E 3+25N 325 667625 5574315 26-Jun-04 5 12 200 stony till reforested E downslope moist 26.8 5 2+00E 3+50N 200 350 667623 5574339 26-Jun-04 stony till MdBn reforested E downslope 78406 128 229 26 0.20 3 30 0.01 moist 17.5 L2+00E 3+75N 200 375 667620 5574362 26-Jun-04 stony till MdBn 78406 62 213 5 10 0.20 11 43 0.01 12.9 reforested E downslope moist 78406 124 445 11 46 0.16 3 28 0.01 L2+00E 4+00N 200 400 667617 5574386 26-Jun-04 stony till MdBn spruce bush E downslope moist 15.0 stony till 31 0.22 L2+00E 4+25N 200 425 667615 5574410 26-Jun-04 MdBn spruce bush E downslope moist 78406 138 136 11 2 22 0.12 29.5 L2+00E 4+50N 200 450 5574434 26-Jun-04 MdBn 78406 106 68 5 33 0.18 9 43 0.01 26.9 667612 stony till E downslope spruce bush moist 17 667609 5574458 26-Jun-04 78406 1130 52 10 0.45 10 58 0.01 115.0 L2+00E 4+75N 200 475 stony till MdBn spruce bush E downslope moist L2+00E 5+00N 200 500 667607 5574481 26-Jun-04 stony till MdBn spruce bush E downslope 78406 138 61 5 10 0.01 4 18 0.54 8.8 moist 525 667604 78406 186 95 5 32 0.12 3 29 0.01 20.0 L2+00E 5+25N 200 5574505 26-Jun-04 stony till MdBn spruce bush E downslope moist 78406 110 74 11 10 0.11 2 23 0.01 L2+00E 5+50N 200 550 667601 5574529 26-Jun-04 stony till MdBn spruce bush E downslope moist 13.0 L2+00E 5+75N 200 575 667599 5574553 26-Jun-04 stony till MdBn E downslope moist 78406 153 144 5 30 0.01 3 31 0.01 12.9 spruce bush 78406 189 127 5 10 0.01 5 33 0.13 L2+00E 6+00N 600 667596 5574577 26-Jun-04 MdBn 15.9 200 stony till spruce bush E downslope moist 5 3 2+00E 6+25N 200 625 667593 5574600 26-Jun-04 stony till MdBn spruce bush E downslope moist 78406 163 62 20 0.15 20 0.12 24.3 spruce bush 133 42 5 0.01 5 36 0.01 2+00E 6+50N 200 650 5574624 26-Jun-04 stony till DkBn E downslope 78406 10 18.7 667591 moist 78406 1840 45 5 10 0.34 29 0.13 L2+00E 6+75N 200 675 667588 5574648 26-Jun-04 stony till MdBn E downslope 1 43.2 spruce bush moist L2+00E 7+00N 200 700 667587 5574675 26-Jun-04 stony till MdBn E downslope 78406 224 139 5 46 0.16 2 20 1.01 24.7 spruce bush moist 78406 337 17 33 4 L2+00E 7+25N 200 725 667585 5574703 26-Jun-04 stony till MdBn spruce bush E downslope moist 141 0.13 41 0.13 29. 78406 196 103 5 22 0.01 3 39 0.14 21.1 750 5574730 26-Jun-04 MdBn L2+00E 7+50N 200 667584 stony till spruce bush E downslope moist 5 L3+00E 3+00N 300 300 667746 5574271 26-Jun-04 stony till MdBn E downslope 78406 158 160 55 0.01 3 36 0.11 18.6 spruce bush moist 12 73 24 0.01 L3+00E 3+25N 300 325 667744 5574297 26-Jun-04 stony till MdBn E downslope 78406 165 168 0.01 4 39.4 spruce bush moist 78406 178 0.01 0.01 21.8 L3+00E 3+50N 300 350 667741 5574323 26-Jun-04 stony till MdBn spruce bush E downslope moist 187 239 5 4 46 12 4 57 0.01 L3+00E 3+75N 300 375 667739 5574349 26-Jun-04 stony till MdBn E downslope 78406 115 229 30 0.01 18.9 spruce bush moist 3 L3+00E 4+00N 300 400 667737 5574374 26-Jun-04 stony till MdBn E downslope moist 78406 136 56 11 10 0.01 38 0.11 21.0 spruce bush 0.01 L3+00E 4+25N 300 425 667734 5574400 26-Jun-04 stony till MdBn 78406 153 93 10 30 0.01 4 35 21.3 spruce bush E downslope moist 21 L3+00E 4+50N 300 450 667732 5574426 26-Jun-04 stony till MdBn spruce bush E downslope moist 78406 211 261 18 34 0.01 6 0.01 6.1 24 L3+00E 4+75N 300 475 667730 5574452 26-Jun-04 stony till MdBn E downslope moist 78406 196 64 5 10 0.01 4 0.01 31.2 spruce bush L3+00E 5+00N 300 500 667728 5574478 26-Jun-04 stony till MdBn 78406 260 172 11 34 0.01 7 65 0.01 15.0 spruce bush E downslope moist 15 53 27.0 L3+00E 5+25N 300 525 5574504 26-Jun-04 stony till MdBn E downslope 78406 657 27 17 10 0.01 0.16 667725 spruce bush moist 0.21 \_3+00E 5+50N 300 550 667723 5574530 26-Jun-04 stony till MdBn spruce bush E downslope moist 78406 596 138 12 10 0.01 6 44 17.3 78406 134 165 5 10 0.01 2 14 0.23 7.5 300 575 667721 5574555 26-Jun-04 MdBn .3+00E 5+75N stony till spruce bush E downslope moist 5 5 20 L3+00E 6+00N 300 600 667718 5574581 26-Jun-04 stony till MdBn spruce bush E downslope moist 78406 100 39 10 0.01 0.01 11.0 5574607 26-Jun-04 L3+00E 6+25N 300 625 667716 stony till MdBn E downslope moist 78406 160 64 5 10 0.01 10 32 0.01 11.4 spruce bush 1450 52 32.9 78406 19 5 10 0.47 2 0.12 L3+00E 6+50N 300 650 667714 5574633 26-Jun-04 organic soil Bk spruce bush E downslope damp 5574660 26-Jun-04 78406 626 39 5 10] 0.31 83 122 1.76 19.8 L3+00E 6+75N 300 675 667706 stony till MdBn spruce bush E downslope moist 3+00E 7+00N 300 700 667698 5574687 26-Jun-04 stony till MdBn E downslope moist 78406 305 39 5 10 0.01 117 32 1.06 17.2 spruce bush 78406 160 57 5 10 0.01 8 18 0.01 10. 725 .3+00E 7+25N 300 667690 5574715 26-Jun-04 stony till MdBn spruce bush E downslope moist 5574741 26-Jun-04 \_3+00E 7+50N 300 750 667683 stony till MdBn spruce bush E downslope moist 78406 920 56 5 10 0.19 41 44 0.01 32.5 300 78406 95 669 21 26 0.01 2 65 0.25 12.6 L1+00E 3+00N 100 667542 5574284 29-Jun-04 stony till MdBn reforested N downslope moist 246 10 71 0.01 L1+00E 3+25N 100 325 667539 5574309 29-Jun-04 stony till MdBn reforested N downslope 78406 658 12 0.01 6 13.1 moist L1+00E 3+50N 100 350 667537 5574334 29-Jun-04 stony till MdBn reforested N downslope 78406 394 253 12 10 0.25 17 64 0.01 41.4 moist 78406 373 79 5 10 0.22 3 15 0.15 47.5 L1+00E 3+75N 100 375 667534 5574360 29-Jun-04 stony till MdBn reforested N downslope moist 149 3 20 0.15 32.3 78406 135 5 10 0.01 L1+00E 4+00N 100 400 667531 5574385 29-Jun-04 stony till MdBn reforested N downslope moist L1+00E 4+25N 100 425 667529 5574410 29-Jun-04 stony till MdBn reforested N downslope moist 78406 559 82 5 10 0.35 21 100 0.01 69. 78406 95 65 5 10 0.01 18 0.20 13.4 L1+00E 4+50N 100 450 5574435 29-Jun-04 MdBn NE downslope 3 667526 stony till edge of bush moist 93 19.9 5 10 46 0.01 L1+00E 4+75N 100 475 667522 5574458 29-Jun-04 stony till MdBn spruce bush E downslope moist 78406 186 0.01 2 78406 82 5 0.01 44 0.01 15.4 L1+00E 5+00N 100 500 667518 5574481 29-Jun-04 stony till MdBn reforested E downslope moist 374 10 3 1+00E 5+25N 525 78406 108 70 5 27 0.01 2 14 0.01 24.4 100 667513 5574505 29-Jun-04 stony till MdBn reforested E downslope moist 78 22 0.01 L1+00E 5+50N 100 550 667509 5574528 29-Jun-04 stony till MdBn reforested E downslope moist 78406 171 10 0.01 2 35 17.3 1+00E 5+75N 100 575 667505 5574551 29-Jun-04 stony till MdBn edge of bush E downslope moist 78406 102 96 5 10 0.01 3 24 0.01 20.5 L1+00E 6+00N 100 600 78406 98 93 5 38 0.01 3 29 0.01 15.3 667501 5574577 29-Jun-04 stony till MdBn spruce bush E downslope moist

NOTE: < detection limit values set at 1/2 detection limit for correlation calculations Q:\Current\Fox South\2004data\AssessmentFiling\App1\_MMLxIs

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App1\_MMI.xls 401 Grid

## GITENNES EXPLORATION INC. Fox South Property 2004 MMI Sampling Analytical Results

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SAMPLE				NAD83N		SOIL	COLOUR		TOPOGRAPHY			Cu	Zn							Ag
L1+00E 6+25N	100	625	667497		29-Jun-04		MdBn	spruce bush	NE downslope	moist	78406	116	247							16.1
L1+00E 6+50N	100	650			29-Jun-04		MdBn	spruce bush	E downslope	moist	78406	134	39	5	10	0.01	3	21	0.12	19.5
L1+00E 6+75N	100	675			29-Jun-04		MdBn	spruce bush	E downslope	moist	78406	372	45	5	10	0.20	5	45	0.01	66.4
L1+00E 7+00N	100	700	667485	5574679	29-Jun-04	stony till	MdBn	spruce bush	E downslope	moist	78406	138	55	5	10	0.01	13	53	0.24	11.0
L1+00E 7+25N	100	725	667481	5574705	29-Jun-04	stony till	MdBn	spruce bush	E downslope	moist	78406	262	180	5	10	0.01	6	35	0.01	21.2
L1+00E 7+50N	100	750	667476	5574725	29-Jun-04	stony till	MdBn	spruce bush	W downslope	moist	78406	122	217	5	24	0.01	3			22.3
L1+00W 4+00N	-100	400	667326		29-Jun-04		MdBn	reforested	E downslope	moist	78406	368	55							31.8
L1+00W 4+50N	-100	450	667316	5574422	29-Jun-04	stony till	MdBn	reforested	E downslope	moist	78406	100	252				3			10.5
L1+00W 5+00N	-100	500	667316	5574473	29-Jun-04	stony till	MdDkBn	reforested	flat	damp	78406	1230	80			0.57	35			54.4
L1+00W 5+50N	-100	550			29-Jun-04		MdBn	reforested	E downslope	moist	78406	138	100		-		2			21.2
L1+00W 6+00N	-100	600			29-Jun-04		MdBn	reforested	E downslope	moist	78406	88	88	1			3			11.4
L1+00W 6+50N	-100	650			29-Jun-04		MdBn	reforested	E downslope	moist	78406	116	112				3			17.6
L1+00W 7+00N	-100	700	667301		29-Jun-04		MdBn	reforested	E downslope	moist	78406	121	207	11			2			19.0
L1+00W 7+50N	-100	750			29-Jun-04		MdBn	reforested	E downslope	moist	78406	235	145				3			
L1+00W 8+00N	-100	800			29-Jun-04	stony till	MdBn	reforested	E downslope	moist	78406	186	722				5			14.4 20.3
L2+00W 4+00N	-200	400			29-Jun-04		MdBn	reforested	flat	moist	78406	116	228				1 1	29		
L2+00W 4+00N	-200	400			29-Jun-04		MdBn	reforested	E downslope	moist	78406	223	220				2			17.1 25.9
L2+00W 4+50N	-200	500			29-Jun-04		MdBn		E downslope		78406		164							
L2+00W 5+00N	-200	500			29-Jun-04 29-Jun-04	stony till stony till	LtMdBn	reforested reforested	E downslope	moist	78406	226	223							21.1
L2+00W 5+50N		600			29-Jun-04					moist		96			-					9.3
L2+00W 6+00N	-200	600			29-Jun-04 29-Jun-04	stony till	MdBn	lodgepole pine bush	E downslope	moist	78406	223	100				4			18.2
	-200	625				stony till	MdBn	lodgepole pine bush	E downslope	moist	78406	116	128				8			7.7
L2+00W 6+50N					29-Jun-04	stony till	LtMdBn	lodgepole pine bush	E downslope	humid	78406	199	103							21.7
L2+00W 6+75N	-200	675			29-Jun-04	stony till	MdBn	reforested	E downslope	moist	78406	121	55				13			18.2
L2+00W 7+00N	-200	700			29-Jun-04	stony till	MdORBn	reforested	E downslope	moist	78406	1060	876				2			71.1
L2+00W 7+25N	-200	725			29-Jun-04	stony till	MdBn	reforested	E downslope	moist	78406	162	244	12				1		24.4
L2+00W 7+50N	-200	750			29-Jun-04	stony till	MdBn	reforested	E downslope	moist	78406	107	107	5			2			19.3
L2+00W 7+75N	-200	775			29-Jun-04	stony till	MdBn	reforested	E downslope	moist	78406	135	201	5		1	2			24.7
L2+00W 8+00N	-200	800			29-Jun-04	stony till	MdBn	reforested	E downslope	moist	78406	141	260	5			11			10.8
L3+00W 4+00N	-300	400			29-Jun-04	stony till	LtMdBn	edge of Telus line	W downslope	moist	78406	126	454	5						8.0
L3+00W 4+50N	-300	450			29-Jun-04	stony till	LtMdBn	pine/spruce bush	W downslope	moist	78406	285	149				13			14.1
L3+00W 5+00N	-300	500			29-Jun-04	stony till	MdBn	lodgepole pine bush	W downslope	moist	78406	147	104	5			22			9.7
L3+00W 5+50N	-300	550			29-Jun-04	stony till	LtMdBn	spruce bush	W downslope	moist	78406	174	112							10.0
L3+00W 6+00N	-300	600			29-Jun-04	stony till	MdBn	spruce bush	W downslope	moist	78406	107	153	5	-		3			17.2
L3+00W 6+50N	-300	650			29-Jun-04	stony till	MdBn	spruce bush	W downslope	moist	78406	131	203	5			4			17.2
L3+00W 7+00N	-300	700			29-Jun-04	stony till	MdBn	spruce bush	flat	moist	78406	163	268	5			13			11.4
L3+00W 7+50N	-300	750			29-Jun-04	soil	MdBn	spruce bush	flat	moist	78406	127	282	5			13			11.2
L3+00W 8+00N	-300	800	667130	5574750	29-Jun-04	organic soil	MdBn	spruce bush	flat	saturated	78406	151	19	5	10	0.14	106	375	0.01	4.7
											Detection Limit (ppb)	5	5	10	20	0.1	1	3	0.1	0.1
		1									Correlation	Cu	Zn	Cd	Pb	Au	Co	Ni	Pd	Ag
											Cu	1.000								
												-0.101	1.000				<b>!</b>	t		
		1									Cd		0.758	1.000			<b>┌──</b> ┦	i — 1		
											Pb		0.351	0.322			└─── <b>†</b>			
						· · · · · · · · · · · · · · · · · · ·					Au	0.369	0.332			1.000		i – †		
				· · · · ·							Co		-0.093		-0.116		1.000	ł		
<b>_</b>											Ni			-0.062		-0.032		1 000		
											Pd		-0.096			-0.032	1	0.089	1 000	
											Ag		-0.113		0.166				-0.054	1 000
		+									CountIF< detection		-0.113							0001
											Counting detection	0	U	03	59	59	, 01	0	62	U

# **APPENDIX II**

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Analytical Certificates

SG

# **CERTIFICATE OF ANALYSIS**

# Work Order: 078406

**Gitennes Exploration Inc** To: Jerry Blackwell Attn: 1055 West Hastings Street Suite 2390 VANCOUVER B.C./CANADA/ V6E 2E9

Copy 1 to

P.O. No.	:	
Project No.	:	FOX SOUTH
No. of Samples	:	91 Soil (MMI)
Date Submitted	:	12/07/04
Report Comprises	:	Cover Sheet plus
• • •		Pages 1 to 8

:

Distribution of unused material: Discarded After 90 Days Unless Instructed!!! Pulps: Discarded After 90 Days Unless Instructed!!! Rejects:

L.N.R.

n.a.

\*INF

**Certified By** 

te nette

Fol: Tim Elliott, Operations Manager

# **ISO 9002 REGISTERED**

ISO 17025 Accredited for Specific Tests. SCC No. 456

**Report Footer:** 

= Listed not received

= Insufficient Sample = No result

I.S. = Not applicable ---= Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Subject to SGS General Terms and Conditions

SGS Canada Inc. | Mineral Services 1885 Leslie Street Toronto ON M3B 2M3 t (416) 445-5755 f (416) 445-4152 www.sgs.ca

21/07/04 Date .

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Work Order:	078406	Da	te: 21	l/07/04
Element.	Cu	Zn	Cd	Pb
Method.	MMI-A5	MMI-A5	MMI-A5	MMI-A5
Det.Lim.	5	5	10	20
Units.	ppb	ppb	ppb	ppb
L2+00E 2+25N	340	109	16	35
L2+00E 2+50N	105	816	24	34
L2+00E 2+75N	303	100	15	30
L2+00E 3+00N	106	1126	70	24
L2+00E 3+25N	375	133	<10	<20
L2+00E 3+50N	128	229	<10	26
L2+00E 3+75N	62	213	<10	<20
L2+00E 4+00N	124	445	11	46
L2+00E 4+25N	138	136	11	31
L2+00E 4+50N	106	68	<10	33
L2+00E 4+75N	1130	52	17	<20
L2+00E 5+00N	138	61	<10	<20
L2+00E 5+25N	186	95	<10	32
L2+00E 5+50N	110	74	11	<20
L2+00E 5+75N	153	144	<10	30
L2+00E 6+00N	189	127	< 10	<20
L2+00E 6+25N	163	62	<10	20
L2 + 00E 6 + 50N	133	42	<10	<20
L2+00E 6+75N	1840	45	<10	<20
L2+00E 7+00N	224	139	<10	46
L2+00E 7+25N	337	141	17	33
L2+00E 7+50N	196	103	< 10	22
L3+00E 3+00N	158	160	< 10	55
L3+00E 3+25N	165	168	12	73
L3+00E 3+50N	187	239	<10	178
L3+00E 3+75N	115	229	12	30
L3+00E 4+00N	136	56	11	<20
L3+00E 4+25N	153	93	10	30
L3+00E 4+50N	211	261	18	34
L3+00E 4+75N	196	64	< 10	<20

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FINAL

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Work Order:	078406	Da	ite: 21	1/07/04
Element. Method.	Cu MMI-A5	Zn MMI-A5	Cd MMI-A5	Pb MMI-A5
Det.Lim.	5	5	10	20
Units.	ppb	ppb	ppb	ppb
L3+00E 5+00N	260	172	11	34
L3+00E 5+25N	657	27	17	<20
L3 + 00E5 + 50N	596	138	12	<20
L3+00E 5+75N	134	165	<10	<20
L3+00E 6+00N	100	39	<10	<20
L3+00E 6+25N	160	64	< 10	<20
L3 + 00E 6 + 50N	1450	19	<10 <10	<20
L3 + 00E 6 + 75N	626	39	<10	<20
L3 + 00E 7 + 00N	305	39	<10 <10	<20 <20
L3 + 00E7 + 25N	160	59 57	< 10	<20 <20
L3+00E /+25N	100	51	< 10	<20
L3+00E 7+50N	920	56	<10	<20
L1+00E 3+00N	95	669	21	26
L1+00E 3+25N	246	658	12	<20
L1+00E 3+50N	394	253	12	<20
L1+00E 3+75N	373	79	<10	<20
L1+00E 4+00N	149	135	<10	<20
*Blk BLANK	<5	<5	<10	<20
*Std MMISRM14	300	282	<10	105
L1+00E 4+25N	559	82	<10	<20
L1 + 00E 4 + 50N	95	65	<10	<20
		10/	. 10	
L1+00E 4+75N	93	186	< 10	<20
L1 + 00E 5 + 00N	82	374	<10	<20
L1+00E 5+25N	108	70	<10	27
L1 + 00E5 + 50N	78	171	10	22
L1+00E 5+75N	102	96	<10	<20
L1+00E 6+00N	98	93	< 10	38
L1 + 00E 6 + 25N	116	93 247	<10 14	29
L1 + 00E 6 + 25N L1 + 00E 6 + 50N	116			
		39	< 10	<20
L1+00E 6+75N	372	45	< 10	<20
L1+00E 7+00N	138	55	< 10	<20

FINAL

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Work Order:	078406	Da	te: 21	1/07/04
Element.	Cu	Zn	Cd	Pb
Method.	MMI-A5	MMI-A5	MMI-A5	MMI-A5
Det.Lim.	5	5	10	20
Units.	ppb	ppb	ppb	ppb
L1+00E 7+25N	262	180	<10	<20
L1+00E 7+50N	122	217	<10	24
L1+00W 4+00N	368	55	<10	<20
L1+00W 4+50N	100	252	<10	<20
L1+00W 5+00N	1230	80	<10	<20
L1+00W 5+50N	138	100	10	<20
L1+00W 6+00N	88	88	<10	<20
L1+00W 6+50N	116	112	<10	22
L1+00W 7+00N	121	207	11	32
L1+00W 7+50N	235	145	<10	<20
L1+00W 8+00N	186	722	20	24
L2+00W 4+00N	116	228	13	<20
L2+00W 4+50N	223	59	<10	<20
L2+00W 5+00N	226	164	<10	<20
L2+00W 5+50N	96	223	<10	<20
L2+00W 6+00N L2+00W 6+25N L2+00W 6+50N L2+00W 6+75N L2+00W 6+75N L2+00W 7+00N	223 116 199 121 1060	100 128 103 55 876	<10 <10 <10 <10 <10 <10 41	<20 <20 <20 <20 <20 168
L2+00W 7+25N L2+00W 7+50N L2+00W 7+50N L2+00W 7+75N L2+00W 8+00N L3+00W 4+00N	162 107 135 141 126	244 107 201 260 454	12 <10 <10 <10 <10	<20 <20 <20 <20 <20 24
L3+00W 4+50N L3+00W 5+00N L3+00W 5+50N L3+00W 6+00N L3+00W 6+50N	285 147 174 107 131	149 104 112 153 203	<10 <10 <10 <10 <10	<20 <20 <20 <20 <20 <20

FINAL

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Work Order:	078406	Da	ite: 21	1/07/04
Element. Method. Det.Lim. Units.	Cu MMI-A5 5 ppb	Zn MMI-A5 5 ppb	Cd MMI-A5 10 ppb	Pb MMI-A5 20 ppb
L3+00W 7+00N	163	268	<10	<20
L3+00W 7+50N	127	282	<10	<20
L3+00W 8+00N	151	19	< 10	<20
*Dup L2+00E 2+25N	372	101	15	30
*Blk BLANK	<5	<5	<10	<20
*Std MMISRM14	276	253	< 10	78
*Dup L2+00E 5+25N	188	117	<10	28
*Dup L3+00E 3+50N	201	219	<10	188
*Dup L3+00E 6+50N	1570	17	<10	<20
*Dup L1+00E 4+75N	104	214	<10	23
*Dup L1+00W 4+00N	341	50	<10	<20
*Dup L2+00W 5+50N	97	211	<10	21
*Dup L3+00W 5+00N	138	119	<10	<20
*Blk BLANK	<5	<5	<10	<20
*Std MMISRM14	286	262	<10	101

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Work Order:	078406	Da	<b>te:</b> 21	1/07/04	
Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B5	MMI-B5	MMI-B5	MMI-B5	MMI-B5
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
L2+00E 2+25N	0.19	2	13	0.12	6.81
L2+00E 2+50N	0.44	47	11	0.15	1.54
L2+00E 2+75N	1.03	4	36	0.22	17.7
L2+00E 3+00N	0.21	4	23	0.13	7.87
L2+00E 3+25N	0.22	7	12	<0.1	26.8
L2+00E 3+50N	0.20	3	30	<0.1	17.5
L2+00E 3+75N	0.20	11	43	<0.1	12.9
L2+00E 4+00N	0.16	3	28	0.12	15.0
L2+00E 4+25N	0.22	2	22	<0.1	29.5
L2+00E 4+50N	0.18	9	43	<0.1	26.9
L2+00E 4+75N	0.45	10	58	0.54	115
L2+00E 5+00N	<0.1	4	18	<0.1	8.84
L2+00E 5+25N	0.12	3	29	<0.1	20.0
L2+00E 5+50N	0.11	2	23	<0.1	13.0
L2+00E 5+75N	<0.1	3	31	0.13	12.9
L2+00E 6+00N	<0.1	5	33	0.12	15.9
L2+00E 6+25N	0.15	3	20	<0.1	24.3
L2+00E 6+50N	<0.1	5	36	0.13	18.7
L2+00E 6+75N	0.34	1	29	1.01	43.2
L2+00E 7+00N	0.16	2	20	0.13	24.7
L2 + 00E 7 + 00N L2 + 00E 7 + 25N L2 + 00E 7 + 50N L3 + 00E 3 + 00N L3 + 00E 3 + 25N L3 + 00E 3 + 50N	0.13 <0.1 <0.1 <0.1 <0.1 <0.1	4 3 3 4 4	41 39 36 24 46	0.14 0.11 <0.1 <0.1 <0.1	29.1 21.1 18.6 39.4 21.8
L3+00E 3+75N L3+00E 4+00N L3+00E 4+25N L3+00E 4+50N L3+00E 4+75N	<0.1 <0.1 <0.1 <0.1 <0.1 <0.1	4 3 4 6 4	57 38 35 21 24	0.11 <0.1 <0.1 <0.1 <0.1	18.9 21.0 21.3 6.10 31.2

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Work Order:	078406	Da	<b>te:</b> 21	/07/04	
Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B5	MMI-B5	MMI-B5	MMI-B5	MMI-B5
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
L3+00E 5+00N	<0.1	7	65	0.16	15.0
L3+00E 5+25N	<0.1	15	53	0.21	27.0
L3+00E 5+50N	<0.1	6	44	0.23	17.3
L3+00E 5+75N	<0.1	2	14	<0.1	7.53
L3+00E 6+00N	<0.1	5	20	<0.1	11.0
L3+00E 6+25N	<0.1	10	32	0.12	11.4
L3+00E 6+50N	0.47	2	52	1.76	32.9
L3+00E 6+75N	0.31	83	122	1.06	19.8
L3+00E 7+00N	<0.1	117	32	<0.1	17.2
L3+00E 7+25N	<0.1	8	18	<0.1	10.1
L3+00E 7+50N	0.19	41	44	0.25	32.5
L1+00E 3+00N	<0.1	2	65	<0.1	12.6
L1+00E 3+25N	<0.1	6	71	<0.1	13.1
L1+00E 3+50N	0.25	17	64	0.15	41.4
L1+00E 3+75N	0.22	3	15	0.15	47.5
L1+00E 4+00N	<0.1	3	20	<0.1	32.3
*Blk BLANK	<0.1	<1	< 3	<0.1	<0.1
*Std MMISRM14	41.4	40	140	24.1	21.2
L1+00E 4+25N	0.35	21	100	0.20	69.1
L1+00E 4+50N	<0.1	3	18	<0.1	13.4
L1+00E 4+75N L1+00E 5+00N	<0.1 <0.1	23	46 44	<0.1	19.9
L1+00E 5+25N L1+00E 5+50N	<0.1 <0.1	2 2	14 35	<0.1 <0.1 <0.1	15.4 24.4 17.3
L1+00E 5+75N	<0.1	3	24	<0.1	20.5
L1+00E 6+00N	<0.1	3	29	<0.1	15.3
L1+00E 6+25N	<0.1	4	26	0.12	16.1
L1+00E 6+50N	<0.1	3	21	<0.1	19.5
L1+00E 6+75N	0.20	5	45	0.24	66.4
L1+00E 7+00N	<0.1	13	53	< 0.1	11.0

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Work Order:	078406	Da	Date: 21/07/0		
Element.	Au	Co	Ni	Pd	Ag
Method.	MMI-B5	MMI-B5	MMI-B5	MMI-B5	MMI-B5
Det.Lim.	0.1	1	3	0.1	0.1
Units.	ppb	ppb	ppb	ppb	ppb
L1+00E 7+25N	<0.1	6	35	<0.1	21.2
L1+00E 7+50N	<0.1	3	25	<0.1	22.3
L1+00W 4+00N	0.24	5	12	<0.1	31.8
L1+00W 4+50N	<0.1	3	20	<0.1	10.5
L1 + 00W 5 + 00N	0.57	35	82	0.67	54.4
L1 + 00W 5 + 50N	<0.1	2	21	<0.1	21.2
L1 + 00W 6 + 00N	<0.1	3	25	<0.14	11.4
L1 + 00W 6 + 50N	<0.1	3	48	<0.1	17.6
L1 + 00W 7 + 00N	<0.1	2	27	<0.1	19.0
L1+00W 7+50N L1+00W 8+00N L2+00W 4+00N	<0.1 <0.1 <0.1	3 5 1	27 20 30 29	<0.1 <0.1 <0.1	14.4 20.3 17.1
L2+00W 4+50N	2.06	2	8	<0.1	25.9
L2+00W 5+00N	0.48	5	37	<0.1	21.1
L2+00W 5+50N	0.39	4	31	<0.1	9.33
L2+00W 6+00N	<0.1	4	21	<0.1	18.2
L2+00W 6+25N L2+00W 6+25N L2+00W 6+50N L2+00W 6+75N L2+00W 7+00N	<0.1 <0.1 <0.1 <0.1 6.33	8 5 13 2	40 34 13 22	<0.1 <0.1 <0.1 <0.1 <0.1	7.70 21.7 18.2 71.1
L2+00W 7+25N	0.12	1	17	<0.1	24.4
L2+00W 7+50N	<0.1	2	23	<0.1	19.3
L2+00W 7+75N	<0.1	2	29	<0.1	24.7
L2+00W 8+00N	<0.1	11	39	<0.1	10.8
L3+00W 4+00N	<0.1	4	43	<0.1	7.99
L3+00W 4+50N L3+00W 5+50N L3+00W 5+50N L3+00W 5+50N L3+00W 6+00N	<0.1 <0.1 <0.1 <0.1 <0.1	13 22 8 3	43 26 62 9 36	<0.1 <0.1 <0.1 <0.1 <0.1	14.1 9.74 9.98 17.2
L3+00W 6+50N	<0.1	4	26	< 0.1	17.2

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Work Order:	078406	Da	<b>te:</b> 21	1/07/04	
Element. Method. Det.Lim. Units.	Au MMI-B5 0.1 ppb	Co MMI-B5 1 ppb	Ni MMI-B5 3 ppb	Pd MMI-B5 0.1 ppb	Ag MMI-B5 0.1 ppb
L3+00W 7+00N	< 0.1	13	49	< 0.1	11.4
L3+00W 7+50N	< 0.1	13	49	< 0.1	11.2
L3+00W 8+00N	0.14	106	375	0.28	4.72
*Dup L2+00E 2+25N	0.14	2	13	< 0.1	6.49
*Bik BLANK	<0.1	<1	<3	< 0.1	<0.1
*Std MMISRM14	42.6	42	143	23.8	21.8
*Dup L2+00E 5+25N	< 0.1	3	26	<0.1	18.9
*Dup L3+00E 3+50N	< 0.1	4	42	< 0.1	20.4
*Dup L3+00E 6+50N	0.46	2	50	1.57	33.1
*Dup L1+00E 4+75N	<0.1	2	34	< 0.1	21.3
*Dup L1+00W 4+00N	0.21	5	14	< 0.1	30.5
*Dup L2+00W 5+50N	0.32	4	31	< 0.1	8.70
*Dup L3+00W 5+00N	< 0.1	21	58	< 0.1	10.0
*Blk BLANK	< 0.1	<1	<3	< 0.1	< 0.1
*Std MMISRM14	42.2	42	143	23.7	21.8

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