

Report on Geophysical Gradient IP Survey and Geological Diamond Drilling  
at the Minto Property On DEF and MINTO Quartz Mining Claims  
Performed 29 May 2007 to 19 Aug 2007

| Grant Number     | Label            | Group        |
|------------------|------------------|--------------|
| Y62007           | DEF 62           | DEF-GROUP-01 |
| Y62009           | DEF 64           | DEF-GROUP-01 |
| Y62011           | DEF 66           | DEF-GROUP-01 |
| Y62013           | DEF 68           | DEF-GROUP-01 |
| Y62016 to Y62023 | DEF 71 to 78     | DEF-GROUP-01 |
| Y61988 to Y61993 | DEF 43 to 48     | DEF-GROUP-02 |
| Y61998 to Y62003 | DEF 53 to 58     | DEF-GROUP-02 |
| Y62008           | DEF 63           | DEF-GROUP-02 |
| Y62010           | DEF 65           | DEF-GROUP-02 |
| Y62012           | DEF 67           | DEF-GROUP-02 |
| Y61714           | DEF 22           | DEF-GROUP-03 |
| Y61984 to Y61987 | DEF 39 to 42     | DEF-GROUP-03 |
| Y61994 to Y61997 | DEF 49 to 52     | DEF-GROUP-03 |
| Y62004           | DEF 59           | DEF-GROUP-03 |
| Y62006           | DEF 61           | DEF-GROUP-03 |
| Y61702           | DEF 10           | DEF-GROUP-04 |
| Y61704           | DEF 12           | DEF-GROUP-04 |
| Y61715 to Y61722 | DEF 23 to 30     | DEF-GROUP-04 |
| Y62005           | DEF 60           | DEF-GROUP-04 |
| Y62014, Y62015   | DEF 69, DEF 70   | DEF-GROUP-04 |
| Y76954 to Y76956 | DEF 85FR to 87FR | DEF-GROUP-04 |

| Grant Number     | Label              | Group              |
|------------------|--------------------|--------------------|
| Y61711 to Y61713 | DEF 19 to 21       | DEF-MINTO-GROUP-05 |
| Y61980, Y61981   | DEF 35, DEF 36     | DEF-MINTO-GROUP-05 |
| Y62303 to Y62307 | MINTO 72 to 77     | DEF-MINTO-GROUP-05 |
| Y62300           | MINTO 69           | -                  |
| Y61920           | MINTO 31           | MINTO-GROUP-06     |
| Y61922           | MINTO 33           | MINTO-GROUP-06     |
| Y62308           | MINTO 78           | MINTO-GROUP-06     |
| Y62310 to Y62314 | MINTO 80 to 84     | MINTO-GROUP-06     |
| Y78024           | MINTO 96           | MINTO-GROUP-06     |
| Y61918 to Y61933 | MINTO 27 to 30     | MINTO-GROUP-07     |
| Y62315 to Y62318 | MINTO 85 to 88     | MINTO-GROUP-07     |
| Y78025           | MINTO 97           | MINTO-GROUP-07     |
| Y61906, Y61907   | MINTO 19, MINTO 20 | MINTO-GROUP-08     |
| Y61910, Y61911   | MINTO 37, MINTO 38 | MINTO-GROUP-08     |
| Y61914 to Y61917 | MINTO 23 to 26     | MINTO-GROUP-08     |
| Y61926 to Y61929 | MINTO 41 to 44     | MINTO-GROUP-08     |
| Y62319           | MINTO 89           | MINTO-GROUP-08     |
| Y77310           | MINTO 94FR         | MINTO-GROUP-08     |
| Y77311           | MINTO 95FR         | MINTO-GROUP-08     |

All Claims Held 100% by Minto Explorations Ltd

Located in the Whitehorse Mining District  
on NTS 1:50,000 Map Sheet 115 I/ 11

Centered at the following Co-ordinates:

384 600 East, 6945300 North (UTM NAD 83, Zone 8)

or

-137° 14' 57.98", 62° 37' 13.17" (Lat/Long, WGS 84)

Report Prepared by Vivienne McLennan, Project Supervisor, Sherwood Copper Corp.

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## SUMMARY

The Minto project is located within the Whitehorse Mining District of the Yukon Territory. Minto Explorations Ltd., a wholly owned subsidiary of Sherwood Copper Corp., owns 245 claims covering 4372 hectares within NTS Map Sheet 115/11. A total of 99 claims are covered by work reported herein. The property includes a high grade copper-gold open pit mine.

In 2007, Sherwood Copper Corp. conducted work on 99 claims. Work included 55.53 line-km of a larger 138 line-km gradient IP survey and 4 diamond drill holes totaling 665m. Contractors used for the work were Aurora Geosciences Ltd. of Whitehorse, Yukon and Cabo Drilling Corp. of Surrey, BC. Work done on leases is not reported here, unless as part of a larger survey where it was difficult to separate the data.

Expenditures for 2007 reported work on the 99 claims is \$ **234,267**.

## PROPERTY DESCRIPTION AND ACCESS

The Minto project is located 240 km northwest of Whitehorse, Yukon in the Whitehorse Mining Division on NTS map sheet 115 I/11 as shown on Figure 1.

The Minto Mine property is wholly owned by Minto Explorations Ltd., a subsidiary of Sherwood Copper Corp. It is an active mine site that is accessed by a 28.8km all weather gravel road (utilizing a barge or ice road to cross the Yukon River in summer and winter) or via a gravel airstrip. The Minto Mine is a year-round operation comprised of an open pit and milling operation using conventional crushing, grinding and flotation methods to produce copper concentrates with significant gold and silver credits.



Figure 1 – Minto Project Location

## TENURE DESCRIPTION

The Minto project consists of 245 quartz claims, quartz claim fractions, quartz leases and quartz lease fractions as shown on Figure 2. The registered owner of the claims is Minto Explorations Ltd. All claims are currently in good standing.

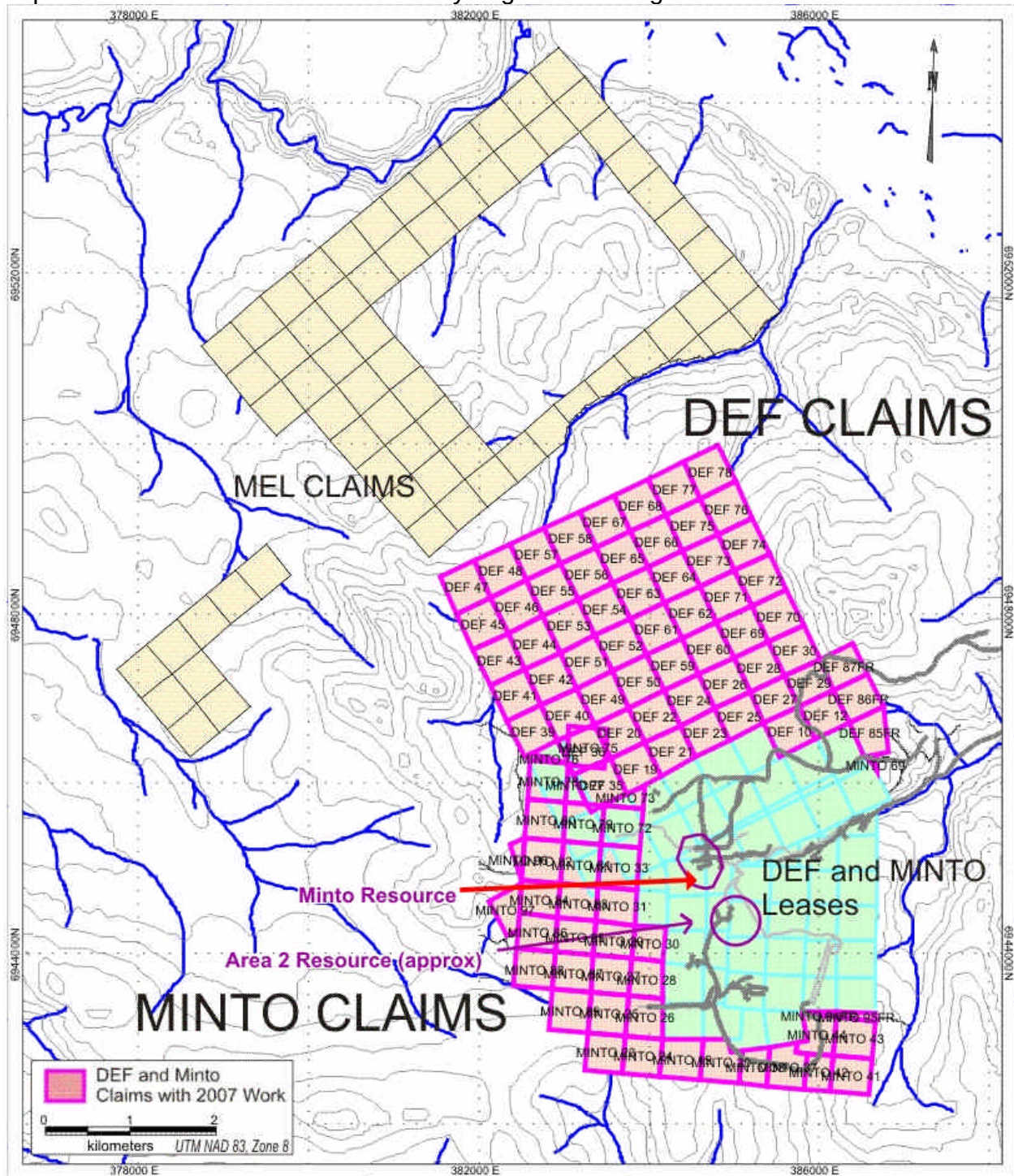


Figure 2a – Minto Project Claims, Claim Names

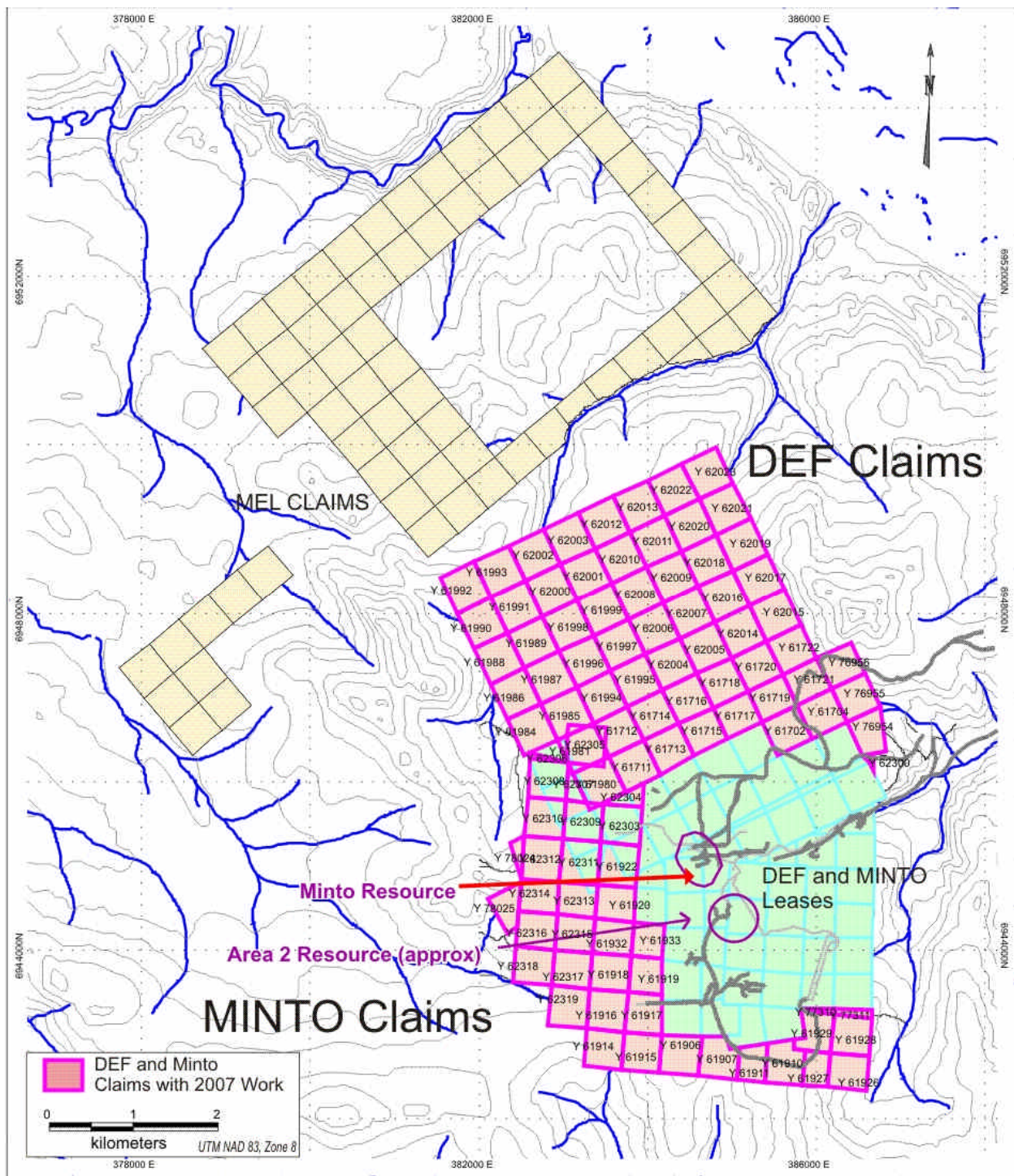


Figure 2b – Minto Project Claims, Grant Numbers

A total of 99 DEF and MINTO claims are covered by this report. Claims are listed in Table 1 below, colour coded to match groupings as depicted in Figure 3.

Table 1: Description of Claims Covered by Report

| GRANT #      | Label  | Acres | Owner / Work Performed by | Anniversary  |
|--------------|--------|-------|---------------------------|--------------|
| DEF-GROUP-01 |        |       |                           |              |
| Y62007       | DEF 62 | 52.42 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62009       | DEF 64 | 52.40 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62011       | DEF 66 | 52.38 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62013       | DEF 68 | 52.36 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62016       | DEF 71 | 52.43 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62017       | DEF 72 | 52.44 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62018       | DEF 73 | 52.41 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62019       | DEF 74 | 52.42 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62020       | DEF 75 | 52.39 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62021       | DEF 76 | 52.41 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62022       | DEF 77 | 52.37 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62023       | DEF 78 | 52.39 | Minto Explorations Ltd.   | 1 March 2008 |
| DEF-GROUP-02 |        |       |                           |              |
| Y61988       | DEF 43 | 51.16 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61989       | DEF 44 | 53.54 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61990       | DEF 45 | 51.62 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61991       | DEF 46 | 53.05 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61992       | DEF 47 | 52.07 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61993       | DEF 48 | 52.56 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61998       | DEF 53 | 52.37 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61999       | DEF 54 | 52.38 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62000       | DEF 55 | 52.35 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62001       | DEF 56 | 52.36 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62002       | DEF 57 | 52.33 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62003       | DEF 58 | 52.34 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62008       | DEF 63 | 52.39 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62010       | DEF 65 | 52.37 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62012       | DEF 67 | 52.35 | Minto Explorations Ltd.   | 1 March 2008 |
| DEF-GROUP-03 |        |       |                           |              |
| Y61714       | DEF 22 | 49.92 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61984       | DEF 39 | 50.25 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61985       | DEF 40 | 54.53 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61986       | DEF 41 | 50.71 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61987       | DEF 42 | 54.03 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61994       | DEF 49 | 52.41 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61995       | DEF 50 | 52.42 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61996       | DEF 51 | 52.39 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61997       | DEF 52 | 52.40 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62004       | DEF 59 | 52.43 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62006       | DEF 61 | 52.41 | Minto Explorations Ltd.   | 1 March 2008 |

| GRANT #            | Label    | Acres | Owner / Work Performed by | Anniversary  |
|--------------------|----------|-------|---------------------------|--------------|
| DEF-GROUP-04       |          |       |                           |              |
| Y61702             | DEF 10   | 49.14 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61704             | DEF 12   | 49.29 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61715             | DEF 23   | 46.40 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61716             | DEF 24   | 49.91 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61717             | DEF 25   | 45.00 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61718             | DEF 26   | 49.92 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61719             | DEF 27   | 44.29 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61720             | DEF 28   | 49.92 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61721             | DEF 29   | 44.38 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61722             | DEF 30   | 49.95 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62005             | DEF 60   | 52.44 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62014             | DEF 69   | 52.45 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62015             | DEF 70   | 52.46 | Minto Explorations Ltd.   | 1 March 2008 |
| Y76954             | DEF 85FR | 42.48 | Minto Explorations Ltd.   | 1 March 2008 |
| Y76955             | DEF 86FR | 47.65 | Minto Explorations Ltd.   | 1 March 2008 |
| Y76956             | DEF 87FR | 42.95 | Minto Explorations Ltd.   | 1 March 2008 |
| DEF-MINTO-GROUP-05 |          |       |                           |              |
| Y61711             | DEF 19   | 51.56 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61712             | DEF 20   | 49.91 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61713             | DEF 21   | 48.81 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61980             | DEF 35   | 54.87 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61981             | DEF 36   | 52.17 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62303             | MINTO 72 | 51.68 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62304             | MINTO 73 | 16.30 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62305             | MINTO 75 | 0.00  | Minto Explorations Ltd.   | 1 March 2008 |
| Y62306             | MINTO 76 | 4.10  | Minto Explorations Ltd.   | 1 March 2008 |
| Y62307             | MINTO 77 | 13.65 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62309             | MINTO 79 | 51.50 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62300             | MINTO 69 | 1.98  | Minto Explorations Ltd.   | 1 March 2008 |
| MINTO-GROUP-06     |          |       |                           |              |
| Y61920             | MINTO 31 | 45.70 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61922             | MINTO 33 | 57.11 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62308             | MINTO 78 | 50.90 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62310             | MINTO 80 | 50.53 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62311             | MINTO 81 | 57.24 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62312             | MINTO 82 | 57.58 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62313             | MINTO 83 | 44.68 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62314             | MINTO 84 | 43.47 | Minto Explorations Ltd.   | 1 March 2008 |
| Y78024             | MINTO 96 | 10.24 | Minto Explorations Ltd.   | 1 March 2008 |

| GRANT #        | Label      | Acres | Owner / Work Performed by | Anniversary  |
|----------------|------------|-------|---------------------------|--------------|
| MINTO-GROUP-07 |            |       |                           |              |
| Y61918         | MINTO 27   | 48.02 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61919         | MINTO 28   | 40.75 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61932         | MINTO 29   | 45.31 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61933         | MINTO 30   | 36.62 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62315         | MINTO 85   | 46.32 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62316         | MINTO 86   | 46.57 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62317         | MINTO 87   | 48.51 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62318         | MINTO 88   | 48.26 | Minto Explorations Ltd.   | 1 March 2008 |
| Y78025         | MINTO 97   | 33.13 | Minto Explorations Ltd.   | 1 March 2008 |
| MINTO-GROUP-08 |            |       |                           |              |
| Y61906         | MINTO 19   | 53.90 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61907         | MINTO 20   | 50.90 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61914         | MINTO 23   | 49.35 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61915         | MINTO 24   | 47.93 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61916         | MINTO 25   | 52.75 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61917         | MINTO 26   | 49.62 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61910         | MINTO 37   | 51.35 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61911         | MINTO 38   | 34.02 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61926         | MINTO 41   | 46.29 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61927         | MINTO 42   | 30.76 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61928         | MINTO 43   | 51.03 | Minto Explorations Ltd.   | 1 March 2008 |
| Y61929         | MINTO 44   | 44.17 | Minto Explorations Ltd.   | 1 March 2008 |
| Y62319         | MINTO 89   | 53.81 | Minto Explorations Ltd.   | 1 March 2008 |
| Y77310         | MINTO 94FR | 3.90  | Minto Explorations Ltd.   | 1 March 2008 |
| Y77311         | MINTO 95FR | 8.26  | Minto Explorations Ltd.   | 1 March 2008 |

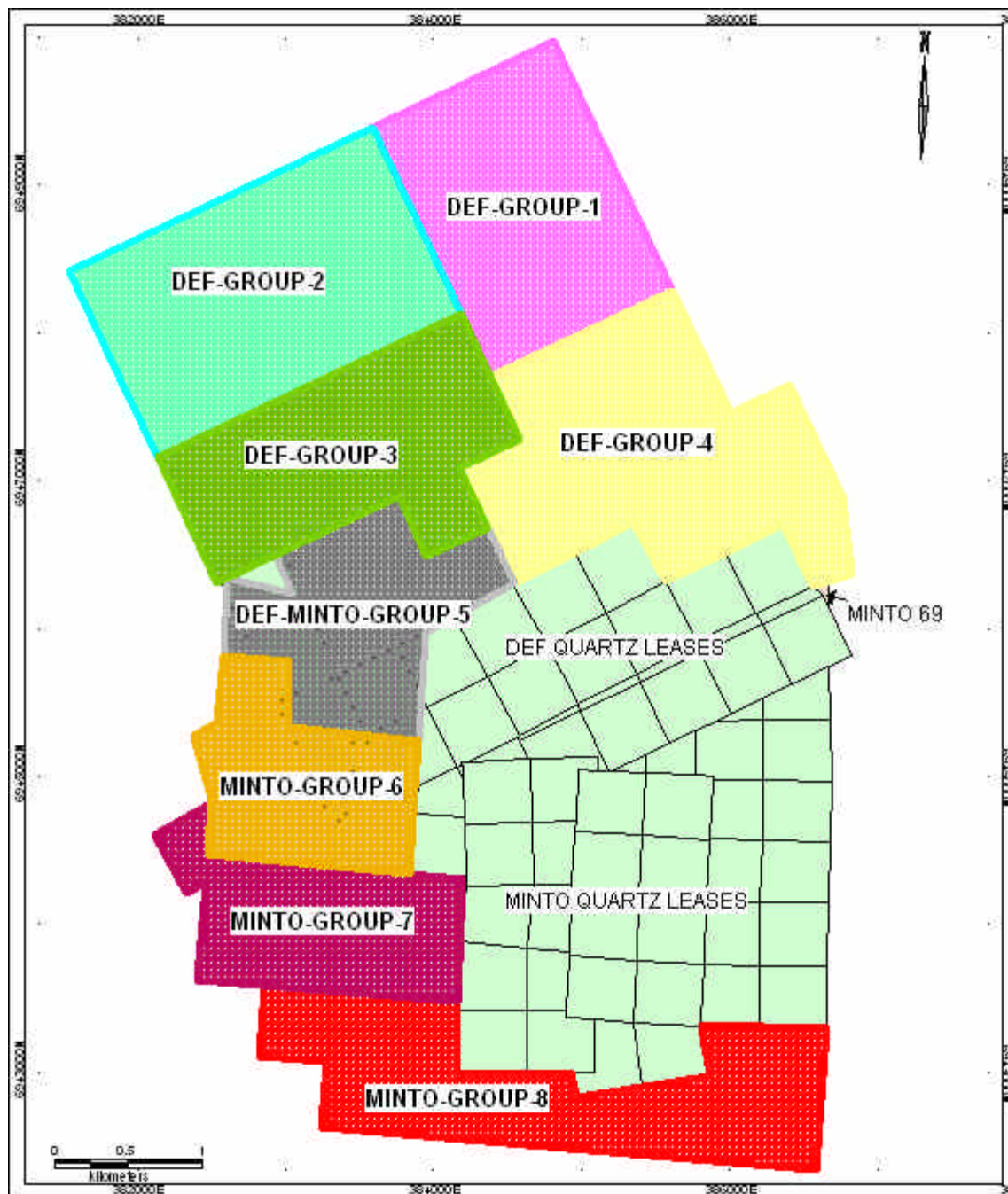


Figure 3 – Claim Groups

## GEOLOGICAL SETTING

Regionally, the Minto area lies within the Yukon Crystalline Terrane. The Yukon Crystalline Terrane consists mainly of Mesozoic plutonic rocks that have been intruded and overlain by Tertiary volcanic rocks, shown in Figure 4.

Locally most of the area is underlain by the Klotassin Batholith composed primarily of granodiorite, varying locally from quartz diorite to quartz monzonite. The granodiorite is medium to coarse grained, equigranular to porphyritic, massive to variably foliated. In strongly foliated phases, gneissic foliation and compositional banding occurs. Rare cataclastic features include streaking of mafics and strained or fractured quartz.

Composition of the massive and foliated phases is often very similar and contacts between phases may be gradational and/or sharp. The foliated zones are discontinuous and laterally interfinger with massive phases. Primary sulphide hosted copper – gold mineralization is confined to these foliated zones.

To the south of the property, Eocene Carmacks Group basalt and andesite flows and breccias overlie the Klotassin granodiorite. Narrow related northeast trending basalt and andesite dykes which intrude the granodiorite are probably the feeders of the Carmacks volcanics. In places, granodiorite conglomerates derived from debris from the in-situ breakdown of the granodiorite and immature sediments are found at the contact between the Klotassin granodiorite and the overlying Carmacks Group.

Little outcrop is seen on the property and is typically limited to spines on ridges and hill tops. Locally derived float (area not glaciated during the last continental glaciation) is found in the old trenches on the property and along the cuts of the drill roads. Drilling has shown the property is underlain by granodiorite that is similar to other parts of the Klotassin batholith and has the same range of characteristics. Locally the gneissic foliations vary from flat-lying to steeply dipping to form a broad north trending synform. The deposit lies in the hinge of the synform therefore foliations are gentle to flat lying in general, but in detail within the deposit foliations have all possible orientations.

Mineralization is hosted in deformation zones ranging from a few metres to a few 10's of metres in thickness. The enveloping surfaces of these strongly foliated to gneissic textured deformation zones are flat-lying to sub-horizontal in orientation. However, internal to these enveloping surfaces the foliation planes and compositional segregations are highly variable and vary from sub-horizontal and parallel to the enveloping surface to steeply dipping and at high angles to the enveloping surfaces. Tight, small scale folds are evident internally while geological interpretations based on drill hole logs suggest that the deformation zones as a whole are folded into broad and very open north-northwest trending folds. Mineral deposits discovered to date on the property lie at or near the hinge zones of both synformal and antiformal folds.

Economic mineralization consists of disseminated and stringer textured sulphides comprised of chalcopyrite-bornite +/- pyrite. The latter is often conspicuously absent in better grade, typically bornite rich areas. Native gold is found as inclusions in sulphide minerals, principally in the bornite but nuggets of free gold have been noted in drill cores. Silver is purportedly found in the mineral hessite. Gangue minerals include an assemblage of biotite-magnetite-quartz-feldspar with minor garnet and amphibole

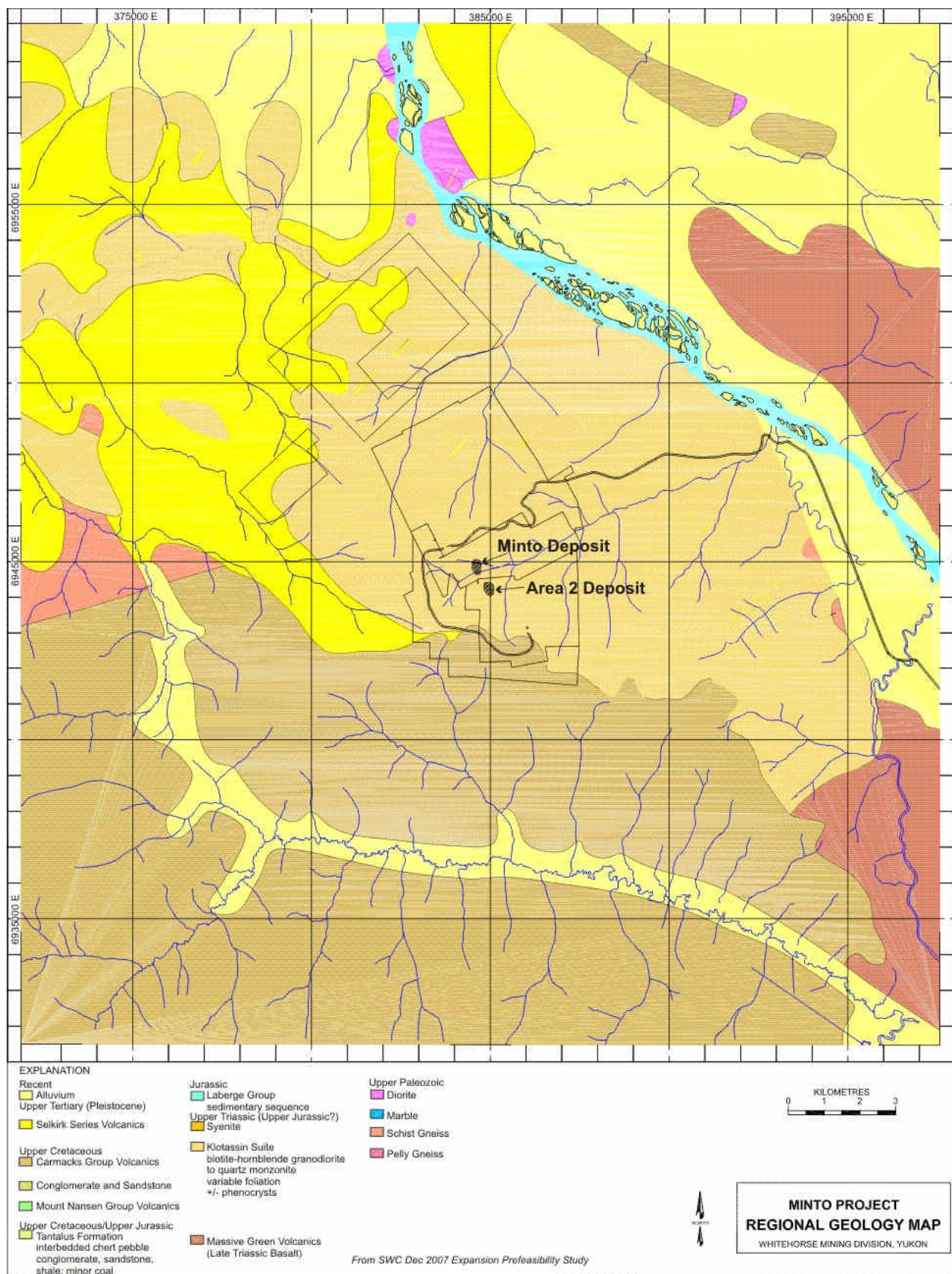


Figure 4 – Regional Geology

## WORK CONDUCTED

### ***Geophysics – Gradient IP***

A 138 line-km gradient IP survey was completed 2007 as part of a survey begun in 2006. Part of the gradient IP survey included 55.53 line-km on the 99 claims covered by this report. The 2007 survey was conducted in two parts, from 29 May to 21 June and from 22 July to 19 August. The survey party consisted of the crew chief and three survey helpers at all times. Worker names and dates worked are included in the appendix.

Grids were cut during May, June and July and were surveyed, for the most part, in May and June. A total of 52.73 line-km were cut. The remaining cut grids were surveyed in July and August. A grid extension was added on late in the program and was surveyed in August. Survey control for the extension did not involve cut lines; GPS and compass were used by the IP crew for line navigation. Each line was continued from the cut line-ends from the grid to the north and overlaps the western-adjacent grid by 300m. For all grids, each 300m interval plus the line endpoints were marked with Tyvek tags.

A full survey log, preliminary report and data from the gradient IP survey are included in the appendix.

Personal protective equipment, including safety glasses, steel toe boots and hard hats were worn at all times on the grid.

### **Survey Methodology**

Survey parameters include:

|                   |                                                                                                                                                                    |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Stacks            | Gradient 50 m                                                                                                                                                      |
| Dipole Spacing    | Time domain, 50% duty cycle, reversing polarity, 0.125 Hz.                                                                                                         |
| TX                | Minimum 15                                                                                                                                                         |
| Rx error          | 5 mV/V or less, otherwise repeated several times                                                                                                                   |
| Grid registration | Handheld GPS points every 300 m, and line-ends averaged 60 seconds or until estimated accuracy < 10 m, whichever was longer. All coordinates in NAD83 UTM Zone 8N. |

The survey crew utilized the following instruments and equipment:

- IP receiver
- IP transmitter
- 1 Honda 5kW generator
- Repair tools & spare IP 18 gauge wire
- 6 conductor 300m gradient cables VHF handheld radios VHF base radio
- Georeels & spools, Speedy winders and spools, stainless steel electrodes
- 1 laptop with Geosoft IP software

## **Data processing**

Data was downloaded nightly from the receiver and imported into Geosoft Oasis Montaj IP package. Every reading was inspected and readings with high error or which did not repeat were rejected from the dataset. Apparent resistivity was recalculated using a four electrode equation assuming a homogeneous earth. Readings were averaged using a weighted mean based on the number of stacks and the standard deviation of the chargeability.

Leveling between grids 1 (2006) and 1 (2007), as well as between grids 1 and 0, grids 3 and 4, and grids 4 and 5 was not needed because the mean difference between common points was less than the standard deviation between common points. Leveling between grids 9 and 10 was not possible because of a lack of common points taken in the survey. All other grids were leveled using previously leveled data from the 2006 survey and common data points between grids.

GPS points were dumped from the handheld units and the coordinates for the stations determined by linear interpolation between GPS points. The four grids as defined by current electrode placements were combined into a single comprehensive database.

The apparent chargeability, apparent resistivity and apparent chargeability error were gridded with a minimum curvature algorithm with a cell size of 20m. Apparent chargeability and apparent chargeability error were plotted using a linear colour distribution. Apparent resistivity was plotted using log linear colour distribution. Each map was exported in jpg format.

## **Data Compilation**

All gradient IP data was merged into a single file using Geosoft Oasis Montaj, converted to a ".jpg" file and registered in MapInfo. The MapInfo image is used to aid in drill target selection by Sherwood Copper Corp. Compiled data for apparent chargeability is shown in Figure 5 and for apparent resistivity is shown in Figure 6. The grid surveyed in 2006 is marked on both figures; the remaining gradient IP survey was completed in 2007.

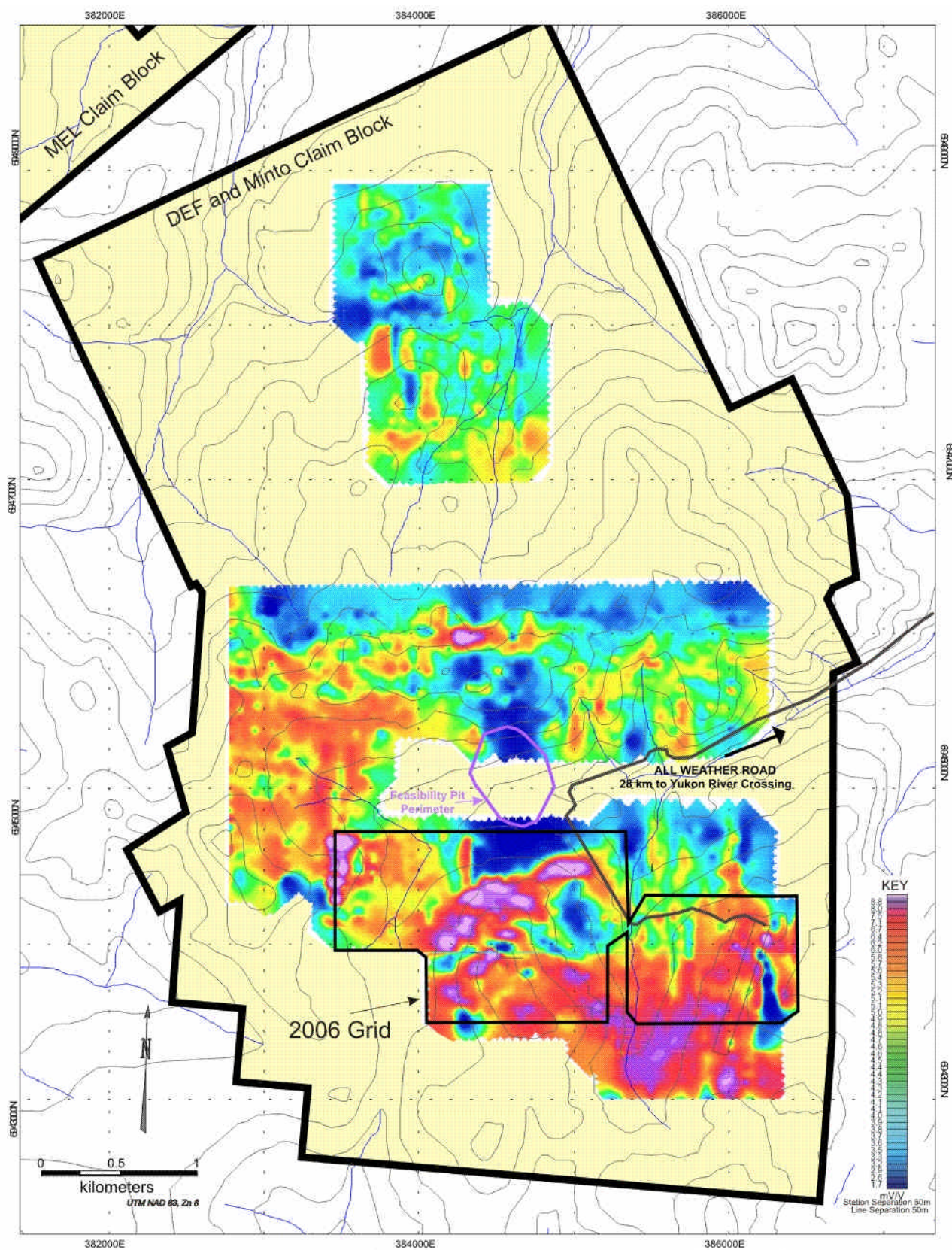


Figure 5 – Gradient IP, Apparent Chargeability

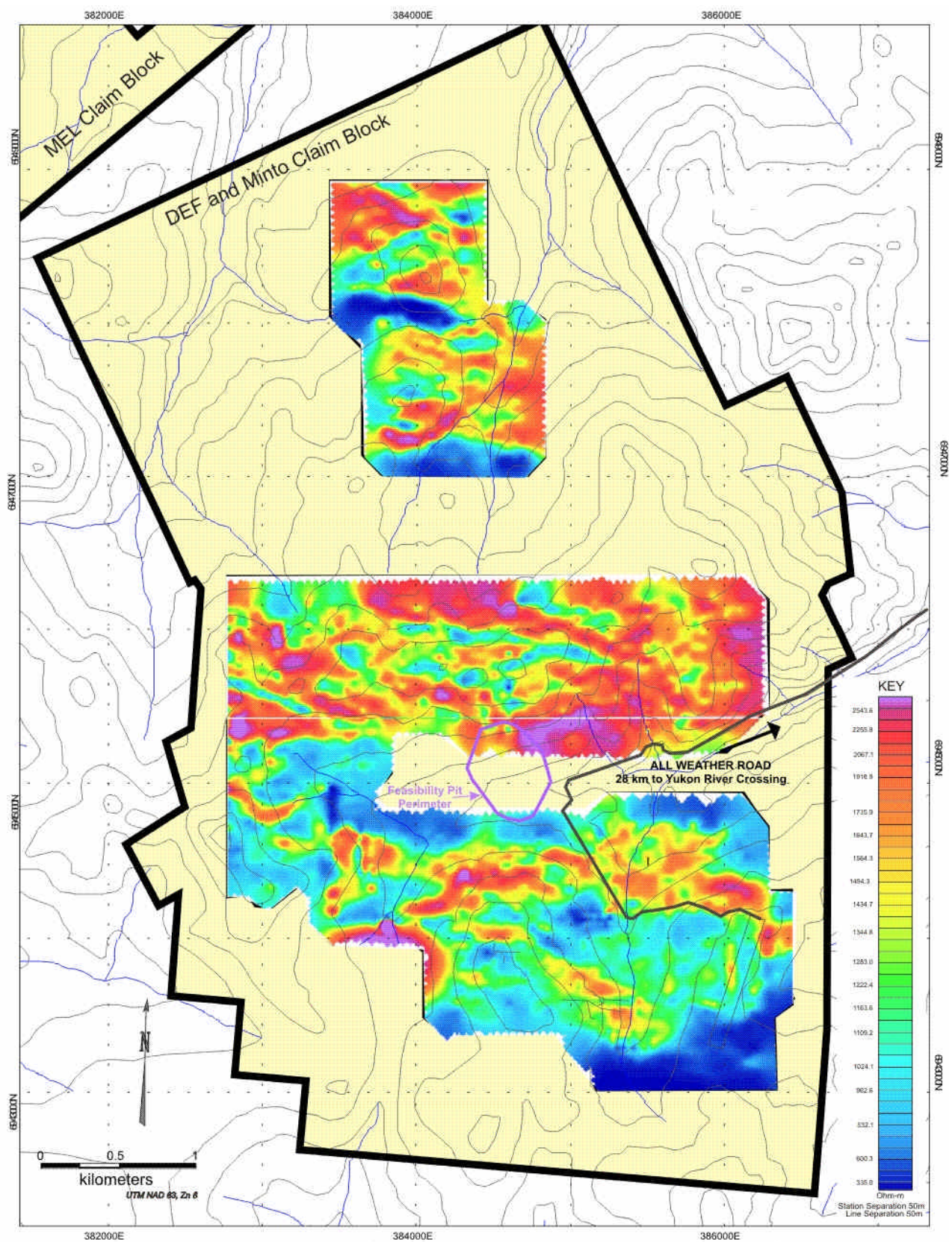


Figure 6 – Gradient IP, Apparent Resistivity

## **Intrepretation of the Gradient IP Data**

In 2007, the gradient IP survey identified numerous prospective areas using an excellent signature analog, Area 2. Gradient IP was first tested at the Minto project in 2006 at Area 2 where a discrete east-west trending chargeability high is partially coincident with a total field magnetic high anomaly. Drill testing in 2006 confirmed the presence of high grade copper-gold mineralization associated with the composite gradient IP / total field magnetic anomaly. A subsequent Pre-feasibility Study supports the economic viability of this new discovery thus making it the ideal analog for interpretation of the gradient IP results elsewhere on the property.

Significantly, much of the western extent of the survey appears broadly, moderately conductive and represents potential drill targets. In the southern part of the survey, a broad “u-shaped” chargeability anomaly known collectively as Ridgetop, Copper Keel and Airstrip SW is seen to be continuous. Mineralization was already known at Ridgetop from drilling by past operators and new mineralization was discovered in 2007 in the other areas based upon drilling chargeability anomalies. Interestingly, the shape of the chargeability anomaly here roughly reflects the local topography which in turn reflects broad open folds in the underlying bedrock and strongly supports previous geological interpretations and exploration targets generated by Sherwood geologists. Mineralized intervals have been intersected in the three target areas. Because these prospects are on lease ground the results of drilling are beyond the scope of this report and are not discussed in detail herein (results now public and are available at Sherwood Copper Corp's website).

Generally, chargeability anomalies tested to date have proven to be highly successful. An exception is a high contrast, N-S trending, discrete chargeability anomaly called IROD, which matches many of the characteristics of Area 2 very well. It was identified at the edge of the 2006 survey and was extended and refined in the 2007 survey. The target was drilled in 2007; results are found in the Geological Diamond Drilling section below. The target is currently being reassessed.

The northern section of the gradient IP survey shows both linear N-S trending moderate chargeability highs and a broad E-W trending moderate chargeability high. The chargeability highs are typically coincident with magnetic highs identified from the Sander 1993 airborne magnetic survey. Drill testing of these anomalies is anticipated in 2008 – 2010.

## **Diamond Drilling**

Diamond Drilling was conducted on the IROD target identified from the gradient IP survey with two nearby magnetic high anomalies (Sander Airborne Survey, 1993). Figure 7 shows the location of the 4 drill holes totaling 665m; drill holes summarized in Table 2 below. Full assays and drill logs are shown in the appendix.

Table 2: Summary of Drill Holes

| Drill Hole | Target                                | Drilling Dates   | Azimuth | Dip | Length | UTM E     | UTM N      | Elev (m) | Size | Downhole Survey |
|------------|---------------------------------------|------------------|---------|-----|--------|-----------|------------|----------|------|-----------------|
| 07SWC207   | Chargeability High                    | July 9-13, 2007  | 330     | -70 | 163.98 | 383571.27 | 6944615.71 | 889.50   | NQ2  | Flexit          |
| 07SWC209   | Magnetic High                         | July 13-15, 2007 | 135     | -70 | 160.93 | 383592.88 | 6944552.87 | 885.84   | NQ2  | Flexit          |
| 07SWC210   | Chargeability High                    | July 16-18, 2007 | 0       | -90 | 185.32 | 383528.98 | 6944503.32 | 891.81   | NQ2  | Acid            |
| 07SWC212   | Map High, Moderate Chargeability High | July 18-20, 2007 | 0       | -90 | 154.84 | 383561.84 | 6944356.91 | 879.37   | NQ2  | Flexit          |

## **Drilling Method**

Cabo Drilling Corp. drilled NQ2 core using a proprietary Longstroke drill rig. The drill pads were set up to maximize utilization of existing flat areas on the Minto Mine site, typically access roads temporarily inaccessible to mine traffic while drilling activities were underway. The drills were skidded into place using a small dozer. Fuel was supplied to the drill from a tidy tank in the drill foreman's pick-up truck. Water for drill operations was pumped from the mill pond. Core was immediately placed in plywood core boxes and dropped off at the core shack at each shift change by pick-up truck.

Down hole location readings were taken for 3 drill holes using a REFLEX flexit single shot tool. An acid was read for the remaining hole as the tool was in use at another drill site.

Drill collars were marked with a 2x4 with an aluminum label and surveyed by the professional surveyor at the Minto Mine site. The co-ordinates are UTM NAD 83, Zone 8.

Drill core was laid out in the core shack and logged directly into a Microsoft Access template by Minto geologists. Geotechnicians recorded geotechnical data including recovery, joint conditions and magnetic susceptibility into a separate Microsoft Access template. Names of workers involved are included in the appendix. Core was photographed after samples were marked out and tagged by the geologists, then transferred to the core assistants for cutting.

## **Core Storage**

Core is currently stacked (strapped and banded onto pallets) at the Minto Mine core laydown near the property's airstrip.

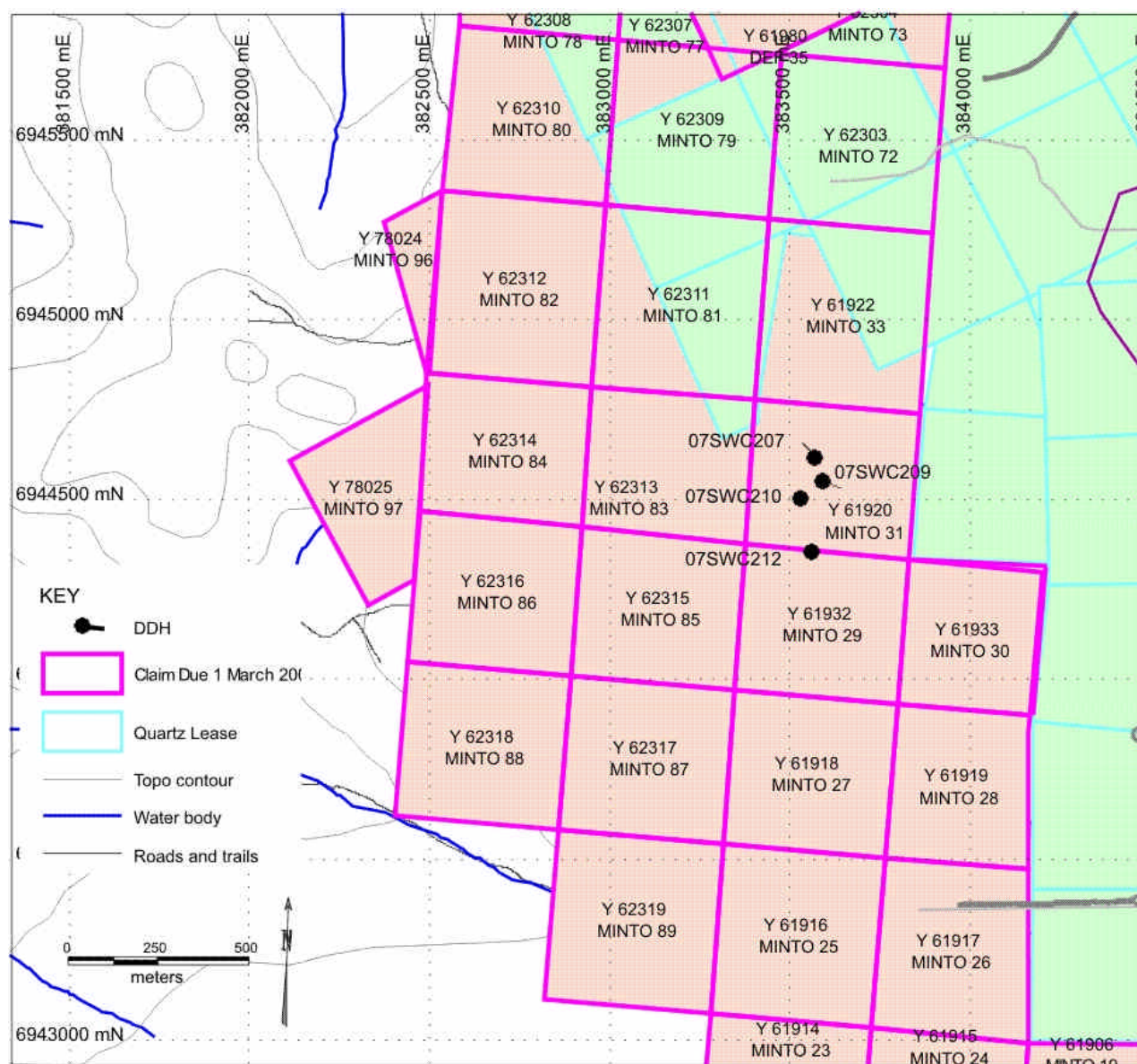


Figure 7 – Diamond Drill Hole Location

## Assays

Samples were shipped to ALS-Chemex in Terrace, BC for analysis. Each sample was analysed for total copper, non-sulphide copper, gold by fire assay and a 35 element ICP package including silver. Details of each analysis type are summarized in Table 3; assay certificates are found in the appendix.

All samples are weighed and logged in upon arrival at the ALS-Chemex laboratory in Terrace, BC. The samples are crushed until more than 70% of the material passes through a <2mm sieve. The coarse crushed material is riffle split; the 250g split is then pulverized until more than 85% of material is less than 75microns.

Table 3: Summary of Analysis Used on Core Samples

| ANALYTE                                                                            | RANGE         | DIGESTION                                   | FINISH  |
|------------------------------------------------------------------------------------|---------------|---------------------------------------------|---------|
| Total Copper                                                                       | 0.01-50%      | HF-HNO <sub>3</sub> -HClO <sub>4</sub> +HCl | AAS     |
| Non-sulphide Copper                                                                | 0.001-10 %    | H <sub>2</sub> SO <sub>4</sub>              | AAS     |
| Gold                                                                               | 0.005-10 ppm  | Fire Assay /Cupellation                     | AAS     |
| Silver                                                                             | 0.2-100 ppm   | Aqua Regia                                  | ICP-AES |
| Aluminium, Calcium, Iron, Magnesium                                                | 0.01-25%      | Aqua Regia                                  | ICP-AES |
| Arsenic, Bismuth, Lead, Tin                                                        | 2-10,000 ppm  | Aqua Regia                                  | ICP-AES |
| Boron, Barium, Gallium, Lanthanum, Phosphorous, Thallium, Uranium, Tungsten        | 10-10,000 ppm | Aqua Regia                                  | ICP-AES |
| Beryllium, Cadmium                                                                 | 0.5-1,000 ppm | Aqua Regia                                  | ICP-AES |
| Potassium, Sodium, Sulphur, Titanium                                               | 0.01-10%      | Aqua Regia                                  | ICP-AES |
| Cobalt, Chrome, Copper, Mercury, Molybdenum, Nickel, Scandium, Strontium, Vanadium | 1-10,000 ppm  | Aqua Regia                                  | ICP-AES |
| Managanese                                                                         | 5-50,000 ppm  | Aqua Regia                                  | ICP-AES |
| Thorium                                                                            | 20-10,000 ppm | Aqua Regia                                  | ICP-AES |
| Zinc                                                                               | 2-10,000 ppm  | Aqua Regia                                  | ICP-AES |

Total copper is analyzed using a hydrofluoric-nitric-perchloric acid digestion with hydrochloric acid leach and atomic absorption spectrophotometer finish. The non-sulphide copper is leached with 5% sulphuric acid, agitated for one hour at room temperature. The solutions is filtered off into a 100ml flask, diluted to volume and aspirated into an atomic absorption spectrophotometer.

Gold is analyzed using a 30g sample. The sample is fused by fire assay, then the remaining lead and gold button is separated by cupellation (volatized at 960-1000 degrees C in a magnesia cupel), leaving behind a gold button. The final determination is by flame atomic absorption spectrophotometer.

A suite of 35 elements including silver is analyzed using an aqua regia leach and an atomic emission spectrophotometer determination. The additional elements are described in Table 3.

### Intrepretation of Diamond Drill Results

Holes 07SWC207 and 07SWC210 drilled into the IROD target intersected numerous weakly mineralized foliated granodiorite. The foliated granodiorite is typically the host rock for mineralization at the Minto project. The best grade in hole 07SWC207 was 0.29% copper with 0.19 grams per tonne gold and 6 grams per tonne silver over 1.6m at 114.5m depth. In hole 07SWC210, the most favorable intersection was 0.18% copper with 0.02 grams per tonne gold and 2.1 grams per tonne silver over 1.5m at 128.7m depth.

Two magnetic highs identified from the 1993 Sander magnetic airborne survey were drilled in 2007. Hole 07SWC209 drilled across an ovoid, discrete magnetic high aligned N-S with a slightly pinched looking northern half and a co-incident resistivity low. At 6m

depth, the hole intersected 3m 4-5% magnetite within an andesite dyke and multiple very weakly mineralized foliated granodiorite units. Approximately 200m south, a roughly NW-SE stretched magnetic high, partially coincident with a moderate chargeability high, was tested by hole 07SWC212. Numerous very weakly mineralized foliated granodiorite units were intersected, sometimes with pervasive weak magnetite and pyrite. Holes 07SWC209 and 07SWC210 are geochemically anomalous for copper with values less than 0.1% over lengths less than 2m.

## **RECOMMENDATIONS FOR FURTHER WORK**

Infill conventional IP surveying at varying dipole-dipole spacing is recommended to refine the broad chargeability high anomaly on the western side of the property. The survey must be extended to the south and eastern extents of the property to constrain the open chargeability highs. Follow-up drill testing vectored by this detailed work is strongly recommended. Drill testing of the coincident magnetic high and chargeability anomalies identified in the northern portion of the gradient IP survey is recommended after performing ground magnetic surveying to establish with reliability the relative location of the magnetic highs with respect to the chargeability anomalies and to the UTM NAD83 Zone 8 datum used by both the mine and exploration departments.

## REFERENCES

Hatch Inc., 2006. *Technical Report (NI 43-101) for the Minto Project*. Prepared for Sherwood Copper Corp.

Sherwood Copper Corp., 2007. *Summary of Activities on Leases DEF*. Submitted as part of Quartz Mineral Lease renewal.

Sander Geophysics Ltd., 1993. *Airborne Magnetic Survey (115I/11)*

## EXPENDITURE STATEMENT

### ***Geophysics - Gradient IP Survey***

|                                                                                                             |                          |
|-------------------------------------------------------------------------------------------------------------|--------------------------|
| Gradient IP (Surveying and Line Cutting)                                                                    | 254671.50                |
| Travel Costs within YT                                                                                      | 5085.79                  |
| Camp Costs, \$75 per diem for 495 man days<br>(14 workers at overlapping intervals, June 4 to Aug 19, 2007) | 37125.00                 |
| Vancouver Data Interpretation and GIS, 3 man days at \$350                                                  | 1050.00                  |
| TOTAL for 138 line-km Gradient IP Survey, As Invoiced                                                       | \$ 297932.30             |
|                                                                                                             |                          |
| <b><i>Gradient IP unit cost per line-km</i></b>                                                             | <b><i>\$ 2159/km</i></b> |
|                                                                                                             |                          |
| <b>Total Cost Applied to Claims in Report for<br/>55.529 line-km Surveyed using Gradient IP Technique</b>   | <b>\$ 119,887</b>        |

### ***Geological Diamond Drilling***

|                                                                                                                                                                                                                                                  |                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| All In Drill Costs For 665.07m<br>(Salaries of day shift, night shift and drill foreman, \$96 Coring charge per meter, diamond products used and other consumables, 6 downhole dip tests at \$35 per test and any additional contractor charges) | 87977.32               |
| Copper (Total and Non-sulphide) and Gold Assays, Silver and other Analytes by Aqua Regia ICP-AES<br>348 samples at \$43.20 each (Average sample cost)                                                                                            | 15033.60               |
| Sample Cutting and Bagging, 2 days per hole at \$200 per day                                                                                                                                                                                     | 1600.00                |
| Drill Logging, 1 day per 50m at \$275 per day                                                                                                                                                                                                    | 3048.24                |
| Core Photography, 1 days at \$200                                                                                                                                                                                                                | 200.00                 |
| Move Core to On-Site Storage<br>(Small loader + operator to move core to lay down)                                                                                                                                                               | 150.00                 |
| Core Boxes, \$12.57 each for 119 boxes                                                                                                                                                                                                           | 1495.83                |
| Camp Costs, \$75 per diem for 65 man days<br>(13 days with 4 drillers + 1 foreman, 11 days with logging geologist and 9 days of core assistant)                                                                                                  | 4875.00                |
| TOTAL for 4 Diamond Drill Holes Reported                                                                                                                                                                                                         | \$ 114379.99           |
|                                                                                                                                                                                                                                                  |                        |
| <b><i>Diamond Drilling unit cost per meter</i></b>                                                                                                                                                                                               | <b><i>\$ 172/m</i></b> |
| <b>Total Cost Applied to Claims in Report for<br/>665.07m Diamond Drilled</b>                                                                                                                                                                    | <b>\$ 114,380</b>      |

Total Reported Expenditures for claims is \$ 234,267.

## Expenditure Breakdown Per Claim

| GRANT<br># | Label  | Acres | Work<br>Owed | Geophysics |                     | Drilling |                     | TOTAL        | Applied \$<br>Per Claim | Group        |
|------------|--------|-------|--------------|------------|---------------------|----------|---------------------|--------------|-------------------------|--------------|
|            |        |       |              | line-km    | Cost<br>per<br>unit | (m)      | Cost<br>per<br>unit | Work<br>Done |                         |              |
| Y62007     | DEF 62 | 52.42 | 100          | 2.231      | 2159                |          |                     | 4817         | 500                     | DEF-GROUP-01 |
| Y62009     | DEF 64 | 52.40 | 100          | 2.405      | 2159                |          |                     | 5192         | 500                     | DEF-GROUP-01 |
| Y62011     | DEF 66 | 52.38 | 100          | 2.59       | 2159                |          |                     | 5592         | 500                     | DEF-GROUP-01 |
| Y62013     | DEF 68 | 52.36 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-01 |
| Y62016     | DEF 71 | 52.43 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-01 |
| Y62017     | DEF 72 | 52.44 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-01 |
| Y62018     | DEF 73 | 52.41 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-01 |
| Y62019     | DEF 74 | 52.42 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-01 |
| Y62020     | DEF 75 | 52.39 | 100          | 0.025      | 2159                |          |                     | 54           | 500                     | DEF-GROUP-01 |
| Y62021     | DEF 76 | 52.41 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-01 |
| Y62022     | DEF 77 | 52.37 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-01 |
| Y62023     | DEF 78 | 52.39 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-01 |
| Y61988     | DEF 43 | 51.16 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-02 |
| Y61989     | DEF 44 | 53.54 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-02 |
| Y61990     | DEF 45 | 51.62 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-02 |
| Y61991     | DEF 46 | 53.05 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-02 |
| Y61992     | DEF 47 | 52.07 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-02 |
| Y61993     | DEF 48 | 52.56 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-02 |
| Y61998     | DEF 53 | 52.37 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-02 |
| Y61999     | DEF 54 | 52.38 | 100          | 0.565      | 2159                |          |                     | 1220         | 500                     | DEF-GROUP-02 |
| Y62000     | DEF 55 | 52.35 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-02 |
| Y62001     | DEF 56 | 52.36 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-02 |
| Y62002     | DEF 57 | 52.33 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-02 |
| Y62003     | DEF 58 | 52.34 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-02 |
| Y62008     | DEF 63 | 52.39 | 100          | 4.22       | 2159                |          |                     | 9111         | 500                     | DEF-GROUP-02 |
| Y62010     | DEF 65 | 52.37 | 100          | 2.995      | 2159                |          |                     | 6466         | 500                     | DEF-GROUP-02 |
| Y62012     | DEF 67 | 52.35 | 100          | 0.04       | 2159                |          |                     | 86           | 500                     | DEF-GROUP-02 |
| Y61714     | DEF 22 | 49.92 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-03 |
| Y61984     | DEF 39 | 50.25 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-03 |
| Y61985     | DEF 40 | 54.53 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-03 |
| Y61986     | DEF 41 | 50.71 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-03 |
| Y61987     | DEF 42 | 54.03 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-03 |
| Y61994     | DEF 49 | 52.41 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-03 |
| Y61995     | DEF 50 | 52.42 | 100          | 2.24       | 2159                |          |                     | 4836         | 500                     | DEF-GROUP-03 |
| Y61996     | DEF 51 | 52.39 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-03 |
| Y61997     | DEF 52 | 52.40 | 100          | 1          | 2159                |          |                     | 2159         | 500                     | DEF-GROUP-03 |
| Y62004     | DEF 59 | 52.43 | 100          | 5.275      | 2159                |          |                     | 11389        | 500                     | DEF-GROUP-03 |
| Y62006     | DEF 61 | 52.41 | 100          | 4.01       | 2159                |          |                     | 8658         | 500                     | DEF-GROUP-03 |
| Y61702     | DEF 10 | 49.14 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-04 |
| Y61704     | DEF 12 | 49.29 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-04 |
| Y61715     | DEF 23 | 46.40 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-04 |
| Y61716     | DEF 24 | 49.91 | 100          | 0.88       | 2159                |          |                     | 1900         | 500                     | DEF-GROUP-04 |
| Y61717     | DEF 25 | 45.00 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-04 |
| Y61718     | DEF 26 | 49.92 | 100          | 0.43       | 2159                |          |                     | 928          | 500                     | DEF-GROUP-04 |
| Y61719     | DEF 27 | 44.29 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-04 |
| Y61720     | DEF 28 | 49.92 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-04 |
| Y61721     | DEF 29 | 44.38 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-04 |
| Y61722     | DEF 30 | 49.95 | 100          |            |                     |          |                     |              | 500                     | DEF-GROUP-04 |

|        |            |       |          |       |      |     |     |       |     |                    |
|--------|------------|-------|----------|-------|------|-----|-----|-------|-----|--------------------|
| Y62005 | DEF 60     | 52.44 | 100      | 2.43  | 2159 |     |     | 5246  | 500 | DEF-GROUP-04       |
| Y62014 | DEF 69     | 52.45 | 100      |       |      |     |     |       | 500 | DEF-GROUP-04       |
| Y62015 | DEF 70     | 52.46 | 100      |       |      |     |     |       | 500 | DEF-GROUP-04       |
| Y76954 | DEF 85FR   | 42.48 | 100      |       |      |     |     |       | 500 | DEF-GROUP-04       |
| Y76955 | DEF 86FR   | 47.65 | 100      |       |      |     |     |       | 500 | DEF-GROUP-04       |
| Y76956 | DEF 87FR   | 42.95 | 100      |       |      |     |     |       | 500 | DEF-GROUP-04       |
| Y61711 | DEF 19     | 51.56 | 100      | 2.015 | 2159 |     |     | 4350  | 500 | DEF-MINTO-GROUP-05 |
| Y61712 | DEF 20     | 49.91 | 100      |       |      |     |     |       | 500 | DEF-MINTO-GROUP-05 |
| Y61713 | DEF 21     | 48.81 | 100      | 0.305 | 2159 |     |     | 658   | 500 | DEF-MINTO-GROUP-05 |
| Y61980 | DEF 35     | 54.87 | 100      | 3.58  | 2159 |     |     | 7729  | 500 | DEF-MINTO-GROUP-05 |
| Y61981 | DEF 36     | 52.17 | 100      | 0.18  | 2159 |     |     | 389   | 500 | DEF-MINTO-GROUP-05 |
| Y62303 | MINTO 72   | 51.68 | 100      |       |      |     |     |       | 500 | DEF-MINTO-GROUP-05 |
| Y62304 | MINTO 73   | 16.30 | 100      |       |      |     |     |       | 500 | DEF-MINTO-GROUP-05 |
| Y62305 | MINTO 75   | 0.00  | 100      |       |      |     |     |       | 500 | DEF-MINTO-GROUP-05 |
| Y62306 | MINTO 76   | 4.10  | 100      |       |      |     |     |       | 500 | DEF-MINTO-GROUP-05 |
| Y62307 | MINTO 77   | 13.65 | 100      |       |      |     |     |       | 500 | DEF-MINTO-GROUP-05 |
| Y62309 | MINTO 79   | 51.50 | 100      | 0.535 | 2159 |     |     | 1155  | 500 | DEF-MINTO-GROUP-05 |
| Y62300 | MINTO 69   | 1.98  | CIL -100 |       |      |     |     | 0     | 100 | Minto-69           |
| Y61920 | MINTO 31   | 45.70 | 100      | 2.195 | 2159 | 510 | 172 | 92459 | 500 | MINTO-GROUP-06     |
| Y61922 | MINTO 33   | 57.11 | 100      | 2.08  | 2159 |     |     | 4491  | 500 | MINTO-GROUP-06     |
| Y62308 | MINTO 78   | 50.90 | 100      | 0.01  | 2159 |     |     | 22    | 500 | MINTO-GROUP-06     |
| Y62310 | MINTO 80   | 50.53 | 100      | 1.225 | 2159 |     |     | 2645  | 500 | MINTO-GROUP-06     |
| Y62311 | MINTO 81   | 57.24 | 100      | 1.69  | 2159 |     |     | 3649  | 500 | MINTO-GROUP-06     |
| Y62312 | MINTO 82   | 57.58 | 100      | 2.035 | 2159 |     |     | 4394  | 500 | MINTO-GROUP-06     |
| Y62313 | MINTO 83   | 44.68 | 100      | 3.18  | 2159 |     |     | 6866  | 500 | MINTO-GROUP-06     |
| Y62314 | MINTO 84   | 43.47 | 100      | 1.16  | 2159 |     |     | 2504  | 500 | MINTO-GROUP-06     |
| Y78024 | MINTO 96   | 10.24 | 50       |       |      |     |     |       | 500 | MINTO-GROUP-06     |
| Y61918 | MINTO 27   | 48.02 | 100      |       |      |     |     |       | 500 | MINTO-GROUP-07     |
| Y61919 | MINTO 28   | 40.75 | 100      |       |      |     |     |       | 500 | MINTO-GROUP-07     |
| Y61932 | MINTO 29   | 45.31 | 100      | 0.015 | 2159 | 155 | 172 | 26692 | 500 | MINTO-GROUP-07     |
| Y61933 | MINTO 30   | 36.62 | 100      |       |      |     |     |       | 500 | MINTO-GROUP-07     |
| Y62315 | MINTO 85   | 46.32 | 100      | 0.035 | 2159 |     |     | 76    | 500 | MINTO-GROUP-07     |
| Y62316 | MINTO 86   | 46.57 | 100      | 0.09  | 2159 |     |     | 194   | 500 | MINTO-GROUP-07     |
| Y62317 | MINTO 87   | 48.51 | 100      |       |      |     |     |       | 500 | MINTO-GROUP-07     |
| Y62318 | MINTO 88   | 48.26 | 100      |       |      |     |     |       | 500 | MINTO-GROUP-07     |
| Y78025 | MINTO 97   | 33.13 | 50       |       |      |     |     |       | 500 | MINTO-GROUP-07     |
| Y61906 | MINTO 19   | 53.90 | 100      |       |      |     |     |       | 500 | MINTO-GROUP-08     |
| Y61907 | MINTO 20   | 50.90 | 100      |       |      |     |     |       | 500 | MINTO-GROUP-08     |
| Y61914 | MINTO 23   | 49.35 | 100      |       |      |     |     |       | 500 | MINTO-GROUP-08     |
| Y61915 | MINTO 24   | 47.93 | 100      |       |      |     |     |       | 500 | MINTO-GROUP-08     |
| Y61916 | MINTO 25   | 52.75 | 100      |       |      |     |     |       | 500 | MINTO-GROUP-08     |
| Y61917 | MINTO 26   | 49.62 | 100      |       |      |     |     |       | 500 | MINTO-GROUP-08     |
| Y61910 | MINTO 37   | 51.35 | 100      |       |      |     |     |       | 500 | MINTO-GROUP-08     |
| Y61911 | MINTO 38   | 34.02 | 100      |       |      |     |     |       | 500 | MINTO-GROUP-08     |
| Y61926 | MINTO 41   | 46.29 | 100      |       |      |     |     |       | 500 | MINTO-GROUP-08     |
| Y61927 | MINTO 42   | 30.76 | 100      |       |      |     |     |       | 500 | MINTO-GROUP-08     |
| Y61928 | MINTO 43   | 51.03 | 100      | 0.085 | 2159 |     |     | 184   | 500 | MINTO-GROUP-08     |
| Y61929 | MINTO 44   | 44.17 | 100      | 1.735 | 2159 |     |     | 3746  | 500 | MINTO-GROUP-08     |
| Y62319 | MINTO 89   | 53.81 | 100      |       |      |     |     |       | 500 | MINTO-GROUP-08     |
| Y77310 | MINTO 94FR | 3.90  | 50       | 0.308 | 2159 |     |     | 665   | 500 | MINTO-GROUP-08     |
| Y77311 | MINTO 95FR | 8.26  | 50       | 1.735 | 2159 |     |     | 3746  | 500 | MINTO-GROUP-08     |

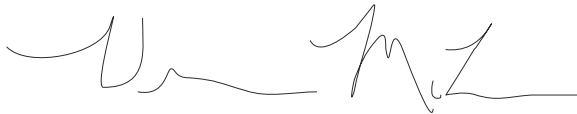
## Expenditures Per Group

| Group              | # Claims  | Anniv.   | Total<br>Expenditure<br>\$ | Work Type                    | CIL paid at<br>report<br>submission<br>\$ | Years<br>Applied | Unused<br>Surplus<br>Credit<br>\$ | Required<br>Expenditure to<br>maintain claim<br>for 1 + 4 years<br>\$ | Anticipated<br>New<br>Anniversary<br>Date |
|--------------------|-----------|----------|----------------------------|------------------------------|-------------------------------------------|------------------|-----------------------------------|-----------------------------------------------------------------------|-------------------------------------------|
| DEF-GROUP-01       | 12        | 1-Mar-08 | 15655                      | Geophysics                   | 0                                         | 5                | 9655                              | 6000                                                                  | 1-Mar-14                                  |
| DEF-GROUP-02       | 15        | 1-Mar-08 | 16883                      | Geophysics                   | 0                                         | 5                | 9383                              | 7500                                                                  | 1-Mar-14                                  |
| DEF-GROUP-03       | 11        | 1-Mar-08 | 27041                      | Geophysics                   | 0                                         | 5                | 21541                             | 5500                                                                  | 1-Mar-14                                  |
| DEF-GROUP-04       | 16        | 1-Mar-08 | 8075                       | Geophysics                   | 0                                         | 5                | 75                                | 8000                                                                  | 1-Mar-14                                  |
| DEF-MINTO-GROUP-05 | 11        | 1-Mar-08 | 14282                      | Geophysics                   | 0                                         | 5                | 8782                              | 5500                                                                  | 1-Mar-14                                  |
| MINTO-GROUP-06     | 9         | 1-Mar-08 | 117028                     | Geophysics, Diamond Drilling | 0                                         | 5                | 112528                            | 4500                                                                  | 1-Mar-14                                  |
| MINTO-GROUP-07     | 9         | 1-Mar-08 | 26962                      | Geophysics, Diamond Drilling | 0                                         | 5                | 22462                             | 4500                                                                  | 1-Mar-14                                  |
| MINTO-GROUP-08     | 15        | 1-Mar-08 | 8340                       | Geophysics                   | 0                                         | 5                | 840                               | 7500                                                                  | 1-Mar-14                                  |
| Minto-69           | 1         | 1-Mar-08 | 0                          | None                         | 100                                       | 1                |                                   | na                                                                    | 1-Mar-09                                  |
| <b>TOTALS</b>      | <b>99</b> |          | <b>\$234,267</b>           |                              | <b>\$100</b>                              |                  |                                   |                                                                       |                                           |

## STATEMENT OF QUALIFICATIONS

I, Vivienne McLennan, of 860-625 Howe Street, Vancouver British Columbia, hereby certify:

1. I am a graduate of Lakehead University, Ontario (1999) and hold a B.Sc. degree in geology.
2. I am presently employed as Senior Geologist-Project Supervisor with Sherwood Copper Corp. of 860-625 Howe Street, Vancouver, British Columbia.
3. I have been employed in my profession by various exploration companies since graduation and with Sherwood Copper Corp. since 2005.
4. I personally supervised Aurora Geosciences Ltd. in the field while they were conducting the Gradient IP survey.
5. I personally supervised the diamond drilling program.

A handwritten signature in black ink, appearing to read 'V. McLennan', with a horizontal line extending to the right.

Vivienne McLennan

DATED at Vancouver, British Columbia, 18 February 2008

## **APPENDIX**

Worker Names and Dates Worked

Gradient IP Field Report and Data

Drill Logs

Assay Certificates

## Workers and Dates Worked on Claims, 2007

| Gradient IP Survey Crew | Company                 | Position            | Dates                                                    |
|-------------------------|-------------------------|---------------------|----------------------------------------------------------|
| Ian Kickbush            | Aurora Geosciences Ltd. | Crew Chief          | May 29 - June 21                                         |
| Ivan Drury              | Aurora Geosciences Ltd. | Crew Chief          | July 22 - Aug 19                                         |
| Remy Beaupre            | Aurora Geosciences Ltd. | Survey Assistant    | May 29 - June 21,<br>July 22 - Aug 19                    |
| Marc-Andre Belcourt     | Aurora Geosciences Ltd. | Survey Assistant    | May 29 - June 21,<br>July 22 - Aug 19                    |
| Shawn Scott             | Aurora Geosciences Ltd. | Survey Assistant    | May 29 - June 21                                         |
| Anna MacDonald          | Aurora Geosciences Ltd. | Survey Assistant    | July 22 - Aug 19                                         |
| Dave Brown              | Aurora Geosciences Ltd. | Crew Chief          | May 29 - July 13                                         |
| Eric Hattercheidt       | Aurora Geosciences Ltd. | Line Cutter         | May 29 - July 13                                         |
| Sean Clayton            | Aurora Geosciences Ltd. | Line Cutter         | May 29 - July 13                                         |
| Thomas Bamford          | Aurora Geosciences Ltd. | Line Cutter         | May 29 - July 14                                         |
| Colin Stutzman          | Aurora Geosciences Ltd. | Line Cutter         | June 13 - June 24                                        |
| Michael Sanderson       | Aurora Geosciences Ltd. | Line Cutter         | June 13 - June 24                                        |
| Sabine Lhommet          | Aurora Geosciences Ltd. | Survey Assistant    | July 4 - July 13                                         |
| Kate Primeau            | Aurora Geosciences Ltd. | Survey Assistant    | July 4 - July 14                                         |
|                         |                         |                     |                                                          |
| Geological Crew         |                         |                     |                                                          |
| Brad Mercer             | Sherwood Copper Corp.   | Exploration Manager | May 23 - June 6,<br>June 20 - July 6, July<br>18 - Aug 1 |
| Vivienne McLennan       | Sherwood Copper Corp.   | Project Supervisor  | June 4 - 27, July 5 -<br>19, July 31 - Sept 5            |
| Taras Nahnybida         | Sherwood Copper Corp.   | Project Geologist   | July 16 - 21                                             |
| Alain Chalifoux         | Minto Explorations Ltd. | Geologist           | July 9 - 16                                              |
| Cory Gunson             | Apex Geoscience Ltd.    | Geotechnician       | July 9 - 17                                              |
| Kantcho Kantchev        | Apex Geoscience Ltd.    | Geotechnician       | July 9 - 24                                              |
| Malcolm Tourangeau      | Minto Explorations Ltd. | Core Assistant      | July 13 - 24                                             |
| Dean Gill               | Minto Explorations Ltd. | Core Assistant      | July 18 - 24                                             |
| Scott Hayes             | Minto Explorations Ltd. | Surveyor            | July 13 - 15                                             |
| Dave Craig              | Minto Explorations Ltd. | Surveyor            | July 16 - 24                                             |
|                         |                         |                     |                                                          |
| Diamond Drilling Crew   |                         |                     |                                                          |
| Joe McLean              | Cabo Drilling Corp.     | Drill Foreman       | July 9 - 21                                              |
| Larry Moen              | Cabo Drilling Corp.     | Driller/Helper      | July 9 - 21                                              |
| Bill Job                | Cabo Drilling Corp.     | Driller/Helper      | July 9 - 21                                              |
| Jackson Bell            | Cabo Drilling Corp.     | Driller             | July 9 - 21                                              |
| Russel Hansen           | Cabo Drilling Corp.     | Driller Helper      | July 9 - 21                                              |

TITLE PAGE

|                     |                  |          |           |            |                                |           |          |
|---------------------|------------------|----------|-----------|------------|--------------------------------|-----------|----------|
| Hole ID             |                  | 07SWC207 |           | Zone       |                                | IROD      |          |
| Section             | UNKNOWN          |          | Easting   | 383571.27  |                                | Source    | Surveyor |
| Site                | Land             |          | Northing  | 6944615.72 |                                | Azimuth   | 330      |
| Length              | 163.98m          |          | Elevation | 889.5      |                                | Dip       | -70      |
|                     |                  |          | Grid      | UTM NAD83  |                                |           |          |
|                     |                  |          |           |            |                                |           |          |
| Logged by           | Alan Chalifoux   |          |           |            | Day Started                    | 09-Jul-07 |          |
| Logger #2           | NONE             |          |           |            | Day Finished                   | 13-Jul-07 |          |
| Geotechnician       | Kantcho Kantchev |          |           |            | Log Completed                  | 15-Jul-07 |          |
| Geotechnician #2    | Cory Gunson      |          |           |            | Last Updated                   | 26-Nov-07 |          |
| Geotech Type        | SRK              |          |           |            | DIP TESTS (other than Maxibor) |           |          |
|                     |                  |          |           |            |                                |           |          |
|                     |                  |          | Depth     | Azimuth    | Dip                            | Type      |          |
|                     |                  |          | 163.98    | 37.00      | -68.80                         | FX        |          |
|                     |                  |          |           |            |                                |           |          |
| Available Analyses: |                  |          |           |            |                                |           |          |
| Au-AA               |                  | Yes      | ICP       |            | Yes                            | Total Cu  |          |
| Au-MET              |                  | No       |           |            |                                | Cu NS     |          |
|                     |                  |          |           |            |                                | Yes       |          |

Summary

Exploration drill hole in the Ice-Rich-Overburden-Dump (IROD). No significant (>=> 1%) economic mineralization found in this hole.

Updated Survey Type Npv 26, 2007 (TN)

Signature:

Drill Log  
IROD

Signature: \_\_\_\_\_

Initials: \_\_\_\_\_

07SWC207

| From | To   | Litho | Oxidation Limit |
|------|------|-------|-----------------|
| 0.00 | 6.10 | Ob    |                 |

Overburden. Casing to 6.10m.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

0.00      6.10      NA                      0.00      6.10      -      -      -      -      -      -      -      -      -                      0.00      6.10      0      -      -

| From | To    | Litho | Oxidation Limit |
|------|-------|-------|-----------------|
| 6.10 | 14.91 | pG    |                 |

Moderately biotite altered and weathered quartz and k-sparphyric ampibole pG, with very weak chlorite and epidote replacement of biotite grains throughout. Minor k-alteration along occasional fracture margins. Minor limonite+ hematite along fracture surfaces, some fracture margins have a weak rusty appearance. Slightly pitted texture due to preferential weathering of mafics. Unfoliated and moderate to strongly fractured with sections of broken/blocky core due to a fracture oriented sub-parallel TCA. Some patches of core show a weak fabric. Intersected by rare pegmatite veins. Irregular contact with fG along a fracture surface oriented at ~65 TCA. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

6.10      14.90      NA

Unfoliated and moderate to strongly fractured with sections of broken/blocky core due to a fracture oriented sub-parallel TCA. Some patches of core show a weak fabric. Intersected by rare pegmatite veins.

6.10      14.91      M      -      VW      -      -      VW      -      VW VW                      6.10      14.91      0      -      -  
Moderately biotite altered and weathered pG, with very weak chlorite and epidote replacement of biotite grains throughout. Minor k-alteration along occasional fracture margins. Minor limonite+ hematite along fracture surfaces, some fracture margins have a

Unmineralized and non-magnetic.

| From | To    | Litho | Oxidation Limit |
|------|-------|-------|-----------------|
| 6.10 | 14.91 | pG    |                 |

Moderately biotite altered and weathered quartz and k-sparphyric amphibole pG, with very weak chlorite and epidote replacement of biotite grains throughout. Minor k-alteration along occasional fracture margins. Minor limonite+ hematite along fracture surfaces, some fracture margins have a weak rusty appearance. Slightly pitted texture due to preferential weathering of mafics. Unfoliated and moderate to strongly fractured with sections of broken/blocky core due to a fracture oriented sub-parallel TCA. Some patches of core show a weak fabric. Intersected by rare pegmatite veins. Irregular contact with fG along a fracture surface oriented at ~65 TCA. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

weak rusty appearance.

|       |       |    |      |
|-------|-------|----|------|
| 12.41 | 13.91 | D0 | 6557 |
| 13.91 | 14.91 | D0 | 6558 |

14.90 14.91 CON 65  
Irregular contact with fG  
along a fracture surface  
oriented at ~65 TCA.

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 14.91 | 15.27 | fG    |                 |

Moderately biotite and weakly epidote altered and weathered fG. Weak to moderate foliation oriented at~55 TCA, weakly fractured, with fractures following foliation. Irregular contact with eG along a fracture surface. No visible sulphides, non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

14.91 15.26 FOL 55 W  
Weak to moderate foliation  
oriented at~55 TCA,  
weakly fractured, with  
fractures following foliation.

|                                                                |       |   |   |   |   |   |   |   |   |   |  |  |  |  |  |                                     |       |   |   |   |  |  |  |  |  |  |  |       |       |    |      |
|----------------------------------------------------------------|-------|---|---|---|---|---|---|---|---|---|--|--|--|--|--|-------------------------------------|-------|---|---|---|--|--|--|--|--|--|--|-------|-------|----|------|
| 14.91                                                          | 15.27 | M | - | - | - | - | W | - | - | - |  |  |  |  |  | 14.91                               | 15.27 | 0 | - | - |  |  |  |  |  |  |  | 14.91 | 15.27 | D0 | 6559 |
| Moderately biotite and weakly epidote altered and weatered fG. |       |   |   |   |   |   |   |   |   |   |  |  |  |  |  | No visible sulphides, non-magnetic. |       |   |   |   |  |  |  |  |  |  |  |       |       |    |      |

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 14.91 | 15.27 | fG    |                 |

(Continued from previous page)

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

15.26 15.27 CON  
Irregular contact with eG  
along a fracture surface.

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 15.27 | 15.98 | eG    |                 |

Moderately biotite and weakly epidote altered and weathered eG, with epidote replacing shreddy biotite. Unfoliated and weak to moderately fractured. Sharp contact with fG oriented at ~55 TCA. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

15.27 15.97 NA  
Unfoliated and weak to  
moderately fractured.

|                                                                                                         |       |   |   |   |   |   |   |   |   |                                 |  |  |  |  |  |       |       |   |   |   |  |  |  |  |  |  |       |       |    |      |
|---------------------------------------------------------------------------------------------------------|-------|---|---|---|---|---|---|---|---|---------------------------------|--|--|--|--|--|-------|-------|---|---|---|--|--|--|--|--|--|-------|-------|----|------|
| 15.27                                                                                                   | 15.98 | M | - | - | - | - | W | - | - | -                               |  |  |  |  |  | 15.27 | 15.98 | 0 | - | - |  |  |  |  |  |  | 15.27 | 15.98 | D0 | 6560 |
| Moderately biotite and weakly epidote altered and weathered eG, with epidote replacing shreddy biotite. |       |   |   |   |   |   |   |   |   | Unmineralized and non-magnetic. |  |  |  |  |  |       |       |   |   |   |  |  |  |  |  |  |       |       |    |      |

15.97 15.98 CON 55  
Sharp contact with fG  
oriented at ~55 TCA.

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 15.98 | 17.41 | fG    |                 |

Moderately biotite altered and weathered fG, with weak patchy epidote alteration of biotite grains. Minor chlorite alteration of biotite in fracture margins. Minor limonite staining along fracture surfaces. Very weak to weak foliation oriented at ~45 TCA, moderately fractured with a section of blocky core. Contains two small patches of unfoliated eG material. Irrgular contact with eG along a fracture surface. Non-magnetic, no visile sulphides.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

15.98 17.40 FOL 45 W  
Very weak to weak foliation oriented at ~45 TCA, moderately fractured with a section of blocky core. Contains two small patches of unfoliated eG material.

|                                                                                                                                                                                                                |       |   |   |    |   |   |    |   |   |                                     |  |  |  |  |  |  |  |       |       |   |   |   |  |  |  |  |  |  |       |       |    |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---|---|----|---|---|----|---|---|-------------------------------------|--|--|--|--|--|--|--|-------|-------|---|---|---|--|--|--|--|--|--|-------|-------|----|------|
| 15.98                                                                                                                                                                                                          | 17.41 | M | - | VW | - | - | VW | - | - | VW                                  |  |  |  |  |  |  |  | 15.98 | 17.41 | 0 | - | - |  |  |  |  |  |  | 15.98 | 17.41 | D0 | 6561 |
| Moderately biotite altered and weathered fG, with weak patchy epidote alteration of biotite grains. Minor chlorite alteration of biotite in fracture margins. Minor limonite staining along fracture surfaces. |       |   |   |    |   |   |    |   |   | Non-magnetic, no visible sulphides. |  |  |  |  |  |  |  |       |       |   |   |   |  |  |  |  |  |  |       |       |    |      |

17.40 17.41 CON  
Irrgular contact with eG along a fracture surface.

|       |       |    |      |
|-------|-------|----|------|
| 17.41 | 17.41 | D0 | 6562 |
|-------|-------|----|------|

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 17.41 | 17.85 | eG    |                 |

Moderately biotite altered and weathered eG, with a slight pitted texture and rusty color due to preferential weathering of mafics. Minor chlorite alteration of biotite grains in fracture margins, minor limonite along fracture surfaces. Unfoliated and weakly fractured. Irregular contact wit fG along a fracture surface. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

17.41 17.84 NA  
Unfoliated and weakly fractured.

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 17.41 | 17.85 | eG    |                 |

Moderately biotite altered and weathered eG, with a slight pitted texture and rusty color due to preferential weathering of mafics. Minor chlorite alteration of biotite grains in fracture margins, minor limonite along fracture surfaces. Unfoliated and weakly fractured. Irregular contact wit fG along a fracture surface. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

|                                                                                                                                                                                                                                                     |       |   |   |    |   |   |   |   |   |   |   |   |   |   |    |                                        |       |   |   |   |  |  |  |  |  |  |       |       |    |      |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---|---|----|---|---|---|---|---|---|---|---|---|---|----|----------------------------------------|-------|---|---|---|--|--|--|--|--|--|-------|-------|----|------|--|
| 17.41                                                                                                                                                                                                                                               | 17.85 | M | - | VW | - | - | - | - | - | - | - | - | - | - | VW | 17.41                                  | 17.85 | 0 | - | - |  |  |  |  |  |  | 17.41 | 17.85 | D0 | 6563 |  |
| <i>Moderately biotite altered and weathered eG, with a slight pitted texture and rusty color due to preferential weathering of mafics. Minor chlorite alteration of biotite grains in fracture margins, minor limonite along fracture surfaces.</i> |       |   |   |    |   |   |   |   |   |   |   |   |   |   |    | <i>Unmineralized and non-magnetic.</i> |       |   |   |   |  |  |  |  |  |  |       |       |    |      |  |

17.84 17.85 CON  
*Irregular contact wit fG along a fracture surface.*

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 17.85 | 28.99 | fG    |                 |

Moderately biotite altered and weathered fG, with weak patchy chlorite replacing biotite grains. Core has a slight pitted appearance due to preferential weathering of mafics. Minor k-alteration along some fracture margins in lower portions of section. Minor limonite staining along fracture surfaces. Occassional garnet crystals are present. Very weak to weak foliation oriented at ~50 TCA, moderate to strongly fractured with small sections of broken/blocky core. Contains three small sctions of ground and broken core interpreted as large fractures. Sharp contact with a pegmatite dyke oriented at ~20 TCA. No visible sulphides, non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

17.85 19.35 D0 6564

17.85 20.01 FOL 50 W  
*Very weak to weak foliation oriented at ~50 TCA, moderate to strongly fractured with small sections of broken/blocky core.*

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 17.85 | 28.99 | fG    |                 |

Moderately biotite altered and weathered fG, with weak patchy chlorite replacing biotite grains. Core has a slight pitted appearance due to preferential weathering of mafics. Minor k-alteration along some fracture margins in lower portions of section. Minor limonite staining along fracture surfaces. Occassional garnet crystals are present. Very weak to weak foliation oriented at ~50 TCA, moderate to strongly fractured with small sections of broken/blocky core. Contains three small sctions of ground and broken core interpreted as large fractures. Sharp contact with a pegmatite dyke oriented at ~20 TCA. No visible sulphides, non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

17.8528.99M- VV-- - VV VW  
Moderately biotite altered and weathered fG, with weak patchy chlorite replacing biotite grains. Core has a slight pitted appearance due to preferential weathering of mafics. Minor k-alteration along some fracture margins in lower portions of section. Minor limonite staining along fracture surfaces.

17.8528.990-- -  
No visible sulphides, non-magnetic.

19.3519.35D06565

19.3520.85D06566

20.0120.60FR  
Section of ground core followed by broken core likely due to a large fracture or a small fault.

20.6022.55FOL50W  
Very weak to weak foliation oriented at ~50 TCA, moderate to strongly fractured with small sections of broken/blocky core.

20.8522.35D06567

22.3523.85D06568

22.5522.71FR  
Section of ground core followed by broken core

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 17.85 | 28.99 | fG    |                 |

(Continued from previous page)

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

likely due to a large fracture or a small fault.

22.71    26.82    FOL    50

Weak foliation oriented at ~50 TCA, strongly fractured with sections of broken and blocky core.

23.85    25.35    D0    6569

25.35    26.85    D0    6570

26.82    27.56    FR

Section of broken and blocky core followed by a small section of ground core interpreted to be a large fracture.

26.85    26.85    D0    6571

26.85    27.92    D0    6572

27.56    28.98    FOL    45    W

Weak to moderate foliation oriented at 40-50 TCA, moderately fractured.

27.92    28.99    D0    6573

28.98    28.99    CON    20

Sharp contact with a pegmatite dyke oriented at ~20 TCA.

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 28.99 | 29.81 | Peg   |                 |

Pegmatite dyke with a weak rusty appearance due to hematite/limonite staining. Unfoliated and moderate to strongly fractured, with a small section of blocky core. Sharp contact with fG oriented at ~15 TCA. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

28.99    29.80    NA

Unfoliated and moderate to strongly fractured, with a small section of blocky core.

|                                                                  |       |    |   |   |   |   |   |   |   |    |       |       |   |   |   |                                 |  |  |  |  |  |  |  |  |  |  |       |       |    |      |  |
|------------------------------------------------------------------|-------|----|---|---|---|---|---|---|---|----|-------|-------|---|---|---|---------------------------------|--|--|--|--|--|--|--|--|--|--|-------|-------|----|------|--|
| 28.99                                                            | 29.81 | VW | - | - | - | - | - | - | - | VW | 28.99 | 29.81 | 0 | - | - |                                 |  |  |  |  |  |  |  |  |  |  | 28.99 | 29.81 | D0 | 6574 |  |
| Weak rusty appearance to core due to hematite/limonite staining. |       |    |   |   |   |   |   |   |   |    |       |       |   |   |   | Unmineralized and non-magnetic. |  |  |  |  |  |  |  |  |  |  |       |       |    |      |  |

29.80    29.81    CON    15

Sharp contact with fG oriented at ~15 TCA.

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 29.81 | 44.19 | fG    |                 |

Moderately biotite altered and weathered fG, with weak patchy chlorite replacement of biotite grains. Weak limonite + hematite + calcite along fracture surfaces. Strong rusty appearance in some fracture margins. Some patches of core contain garnet porphyroblasts. Moderate foliation oriented at 35-45 TCA, moderate to strongly fractured with small sections of broken or blocky core. Intersected by occassional pegmatite veins and rare quartz veinlets. Irregular contact with pG along a fracture surface. Trace chalcocite occurring as staining along some fracture surfaces. Trace magnetite due to weak patchy magnetism.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

|       |       |    |      |
|-------|-------|----|------|
| 29.81 | 31.31 | D0 | 6575 |
|-------|-------|----|------|

29.81    44.18    FOL    40    M

Moderate foliation oriented at 35-45 TCA, moderate to strongly fractured with small sections of broken or blocky core. Intersected by occassional pegmatite

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 29.81 | 44.19 | fG    |                 |

Moderately biotite altered and weathered fG, with weak patchy chlorite replacement of biotite grains. Weak limonite + hematite + calcite along fracture surfaces. Strong rusty appearance in some fracture margins. Some patches of core contain garnet porphyroblasts. Moderate foliation oriented at 35-45 TCA, moderate to strongly fractured with small sections of broken or blocky core. Intersected by occasional pegmatite veins and rare quartz veinlets. Irregular contact with pG along a fracture surface. Trace chalcocite occurring as staining along some fracture surfaces. Trace magnetite due to weak patchy magnetism.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

veins and rare quartz  
veinlets.

|                                                                                                                                                                                                                     |       |   |   |   |   |    |   |   |   |                                                                                                                    |  |  |  |  |  |       |       |   |   |   |    |      |    |      |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---|---|---|---|----|---|---|---|--------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|-------|-------|---|---|---|----|------|----|------|--|--|--|--|--|
| 29.81                                                                                                                                                                                                               | 44.19 | M | - | W | - | VW | - | - | - | W                                                                                                                  |  |  |  |  |  | 29.81 | 44.19 | 0 | - | - | CH | 0.05 | MG | 0.05 |  |  |  |  |  |
| Moderately biotite altered and weathered fG, with weak patchy chlorite replacement of biotite grains. Weak limonite + hematite + calcite along fracture surfaces. Strong rusty appearance in some fracture margins. |       |   |   |   |   |    |   |   |   | Trace chalcocite occurring as staining along some fracture surfaces. Trace magnetite due to weak patchy magnetism. |  |  |  |  |  |       |       |   |   |   |    |      |    |      |  |  |  |  |  |

|       |       |    |      |
|-------|-------|----|------|
| 31.31 | 32.81 | D0 | 6576 |
| 32.81 | 32.81 | D0 | 6577 |
| 32.81 | 34.31 | D0 | 6578 |
| 34.31 | 35.81 | D0 | 6579 |
| 35.81 | 37.31 | D0 | 6580 |
| 37.31 | 37.31 | D0 | 6581 |
| 37.31 | 38.81 | D0 | 6582 |
| 38.81 | 40.31 | D0 | 6583 |
| 40.31 | 41.81 | D0 | 6584 |
| 41.81 | 43.00 | D0 | 6585 |
| 43.00 | 44.19 | D0 | 6586 |



| From  | To    | Litho | Oxidation Limit | (Continued from previous page) |  |  |  |  |  |  |  |  |  |
|-------|-------|-------|-----------------|--------------------------------|--|--|--|--|--|--|--|--|--|
| 44.19 | 54.09 | pG    |                 |                                |  |  |  |  |  |  |  |  |  |

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |

51.18 51.89 FR  
Section of broken and crushed core due to a large fracture.

51.89 54.08 NA  
Unfoliated and moderately fractured, slight fabric to core in some spots.

54.08 54.09 CON 30  
Sharp contact with a pegmatite dyke oriented at ~30 TCA.

| From  | To    | Litho | Oxidation Limit |  |  |  |  |  |  |  |  |  |  |
|-------|-------|-------|-----------------|--|--|--|--|--|--|--|--|--|--|
| 54.09 | 55.21 | Peg   |                 |  |  |  |  |  |  |  |  |  |  |

Pegmatite dyke with weak biotite alteration of included pG material. Minor calcite + limonite along fracture surfaces. Weak patchy rusty appearance, strongest in lower portions of core. Unfoliated and weak to moderately fractured. Contains an aplite vein as well as a small amount of pG material included. Sharp contact with pG oriented at ~20 TCA. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |

54.09 55.20 NA  
Unfoliated and weak to moderately fractured. Contains an aplite vein as well as a small amount of pG material included.

54.09 55.21 W - - - VW - - - VW

Weak biotite alteration of included pG material. Minor calcite + limonite along fracture surfaces. Weak patchy rusty appearance, strongest in lower portions of core.

54.09 55.21 0 - -

Unmineralized and non-magnetic.

| From                                                                                                                                                                                                                                                                                                                                                                                         | To    | Litho | Oxidation Limit |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-----------------|
| 54.09                                                                                                                                                                                                                                                                                                                                                                                        | 55.21 | Peg   |                 |
| Pegmatite dyke with weak biotite alteration of included pG material. Minor calcite + limonite along fracture surfaces. Weak patchy rusty appearance, strongest in lower portions of core. Unfoliated and weak to moderately fractured. Contains an aplite vein as well as a small amount of pG material included. Sharp contact with pG oriented at ~20 TCA. Unmineralized and non-magnetic. |       |       |                 |

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

55.20    55.21    CON    20

*Sharp contact with pG oriented at ~20 TCA.*

| From                                                                                                                                                                                                                                                                                                                                                                                    | To    | Litho | Oxidation Limit |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-----------------|
| 55.21                                                                                                                                                                                                                                                                                                                                                                                   | 56.93 | pG    |                 |
| Moderately biotite altered k-spar phyric amphibole pG with patchy weak chlorite and very weak epidote alteration of mafics. Minor calcite + limonite along fracture surfaces. Moderate rusty appearance in fracture margins. Unfoliated and moderately fractured. Irregular contact with an andesite dyke along a fracture surface oriented at ~35 TCA. Unmineralized and non-magnetic. |       |       |                 |

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

55.21    56.92    NA

*Unfoliated and moderately fractured.*

55.21    56.93    M    -    W    -    VW    VW    -    -    VW

*Moderately biotite altered pG with patchy weak chlorite and very weak epidote alteration of mafics. Minor calcite + limonite along fracture surfaces. Moderate rusty appearance in fracture margins.*

55.21 56.93    0    -    -

*Unmineralized and non-magnetic.*

56.92    56.93    CON    35

*Irregular contact with an andesite dyke along a fracture surface oriented at ~35 TCA.*

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 56.93 | 57.93 | And   |                 |

Andesite dyke with minor calcite + limonite staining along fracture surfaces, small amount of calcite fill in some fractures and occurring as veinlets. Weak rusty appearance around fractures. Unfoliated and moderately fractured. Irregular contact with pG along a fracture surface oriented at ~35 TCA. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

56.93    57.92    NA  
Unfoliated and moderately fractured.

|                                                                                                                                                                              |       |    |   |   |   |    |   |   |   |                                 |  |       |       |   |   |   |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----|---|---|---|----|---|---|---|---------------------------------|--|-------|-------|---|---|---|--|
| 56.93                                                                                                                                                                        | 57.93 | VW | - | - | - | VW | - | - | - | VW                              |  | 56.93 | 57.93 | 0 | - | - |  |
| Minor calcite + limonite staining along fracture surfaces, small amount of calcite fill in some fractures and occurring as veinlets. Weak rusty appearance around fractures. |       |    |   |   |   |    |   |   |   | Unmineralized and non-magnetic. |  |       |       |   |   |   |  |

57.92    57.93    CON    35  
Irregular contact with pG along a fracture surface oriented at ~35 TCA.

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 57.93 | 72.60 | pG    |                 |

Moderately biotite altered k-spar phyrlic amphibole pG with patchy weak chlorite and very weak epidote replacing mafics. Weak calcite + limonite along fracture surfaces. Core has a slight rusty and pitted appearance, strongest in fractured areas. Unfoliated and moderately fractured with small sections of locky core due to low angle TCA fractures. Small patches have a weak fabric, intersected by rare pegmatite veins. From 67.60 to 68.00m, there is a small section of crushed core with calcitic gouge followed by broken core likely due to a small fault, contains a small amount of andesitic material in broken core section. Irregular contact with fG along a fracture surface. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

57.93    67.60    NA  
Unfoliated and moderately fractured with small sections of blocky core due to low angle TCA fractures. Small patches have a weak

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 57.93 | 72.60 | pG    |                 |

Moderately biotite altered k-spar phyric amphibole pG with patchy weak chlorite and very weak epidote replacing mafics. Weak calcite + limonite along fracture surfaces. Core has a slight rusty and pitted appearance, strongest in fractured areas. Unfoliated and moderately fractured with small sections of locky core due to low angle TCA fractures. Small patches have a weak fabric, intersected by rare pegmatite veins. From 67.60 to 68.00m, there is a small section of crushed core with calcitic gouge followed by broken core likely due to a small fault, contains a small amount of andesitic material in broken core section. Irregular contact with fG along a fracture surface. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

fabric, intersected by rare pegmatite veins.

|                                                                                                                                                                                                                               |       |   |   |   |   |    |    |   |   |    |  |  |  |  |  |                                 |       |   |   |   |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---|---|---|---|----|----|---|---|----|--|--|--|--|--|---------------------------------|-------|---|---|---|--|--|--|--|--|--|--|--|
| 57.93                                                                                                                                                                                                                         | 72.60 | M | - | W | - | VW | VW | - | - | VW |  |  |  |  |  | 57.93                           | 72.60 | 0 | - | - |  |  |  |  |  |  |  |  |
| Moderately biotite altered pG with patchy weak chlorite and very weak epidote replacing mafics. Weak calcite + limonite along fracture surfaces. Core has a slight rusty and pitted appearance, strongest in fractured areas. |       |   |   |   |   |    |    |   |   |    |  |  |  |  |  | Unmineralized and non-magnetic. |       |   |   |   |  |  |  |  |  |  |  |  |

67.60 68.00 FLT  
Small section of crushed core with calcitic gouge followed by broken core likely due to a small fault, contains a small amount of andesitic material in broken core section.

68.00 72.59 NA  
Unfoliated and moderately fractured with small sections of blocky core due to lo angle TCA fractures, small patches have a weak fabric.

72.59 72.60 CON  
Irregular contact with fG along a fracture surface.

|       |       |    |      |
|-------|-------|----|------|
| 70.10 | 71.60 | D0 | 6590 |
| 71.60 | 72.60 | D0 | 6591 |

**From**      **To**      **Litho**      **Oxidation Limit**

57.93      72.60      pG

(Continued from previous page)

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |

**From**      **To**      **Litho**      **Oxidation Limit**

72.60      73.68      fG

Moderately biotite and chlorite altered and weathered amphibole fG, with chlorite replacing mafics. Very weak patchy epidote alteration of mafics. Minor calcite + limonite along fracture surfaces. Core has a weak rusty and moderate pitted appearance due to preferential weathering of mafics. Very weak foliation oriented at ~40 TCA, weak to moderately fractured. Sharp contact with pG oriented at ~60 TCA. Trace magnetite due to rare patches of weak magnetism, no visible sulphides.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

72.60    73.67    FOL    40    VW  
Very weak foliation oriented at ~40 TCA, weak to moderately fractured.

|                                                                                                                                                                                                                                                                                           |       |   |   |   |   |    |    |   |   |                                                                              |       |       |   |   |   |    |      |       |       |    |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---|---|---|---|----|----|---|---|------------------------------------------------------------------------------|-------|-------|---|---|---|----|------|-------|-------|----|------|
| 72.60                                                                                                                                                                                                                                                                                     | 73.68 | M | - | M | - | VW | VW | - | - | VW                                                                           | 72.60 | 73.68 | 0 | - | - | MG | 0.05 | 72.60 | 73.68 | D0 | 6592 |
| Moderately biotite and chlorite altered and weathered fG, with chlorite replacing mafics. Very weak patchy epidote alteration of mafics. Minor calcite + limonite along fracture surfaces. Core has a weak rusty and moderate pitted appearance due to preferential weathering of mafics. |       |   |   |   |   |    |    |   |   | Trace magnetite due to rare patches of weak magnetism, no visible sulphides. |       |       |   |   |   |    |      |       |       |    |      |

73.67    73.68    CON    60  
Sharp contact with pG oriented at ~60 TCA.

73.68    73.68    D0    6593

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 73.68 | 84.56 | pG    |                 |

Moderately biotite and chlorite altered quartz and k-spar phyrlic amphibole pG, with patchy weak epidote alteration of mafics. Weak k-alteration in fracture margins mainly to end of section. Minor calcite + limonite along fracture surfaces, moderate calcite occurring as gouge in fault zone. Weak rusty appearance mainly to the top of section. Unfoliated and moderately fractured, with some sections having a weak fabric. From75.38 to 77.50m, there is a section composed of broken core and gouge due to a large fault. Irregular contact wit fG along a fracture surface. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

73.6874.68D06594

73.68 75.38 NA  
Unfoliated and moderately fractured, core as a weak fabric.

73.6884.56M-M-WVW-VWVW73.6884.560--  
Moderately biotite and chlorite altered pG, with patchy weak epidote alteration of mafics. Weak k-alteration in fracture margins mainly to end of section. Minor calcite + limonite along fracture surfaces, moderate calcite occurring as gouge in fault zone. Weak rusty appearance mainly to the top of section.

Unmineralized and non-magnetic.

74.6876.18D06595

75.38 77.50 FLT  
Section composed of broken core and gouge due to a large fault.

77.50 84.55 NA  
Unfoliated and moderately fractured, with some sections having a weak fabric.

82.0683.56D06596

83.5684.56D06597

| From  | To    | Litho | Oxidation Limit | (Continued from previous page) |  |  |  |  |  |  |  |  |  |
|-------|-------|-------|-----------------|--------------------------------|--|--|--|--|--|--|--|--|--|
| 73.68 | 84.56 | pG    |                 |                                |  |  |  |  |  |  |  |  |  |

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |

84.55 84.56 CON  
Irregular contact wit fG  
along a fracture surface.

| From  | To    | Litho | Oxidation Limit |  |  |  |  |  |  |  |  |  |  |
|-------|-------|-------|-----------------|--|--|--|--|--|--|--|--|--|--|
| 84.56 | 86.69 | fG    |                 |  |  |  |  |  |  |  |  |  |  |

Moderately biotite and weakly chlorite altered fG, with weak calcite alteration throughout. Minor calcite + limonite along fracture surfaces. Moderate foliation oriented at 60-70 TCA, moderate to strongly fractured with a small section of broken core. Irregular contact with pG along a fracture surface. Sub-trace chalcopyrite and trace pyrite occur as disseminated fine grains, trace magnetite due to weak patchy magnetism.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

84.56 85.62 D0 6598

84.56 86.68 FOL 65 M  
Moderate foliation oriented  
at 60-70 TCA, moderate to  
strongly fractured with a  
small section of broken  
core.

84.56 86.69 M - W - W - - - VW 84.56 86.69 0.01 FG - PY 0.05 MG0.05  
Moderately biotite and weakly chlorite altered fG, with weak calcite alteration throughout. Minor calcite + limonite along fracture surfaces. Sub-trace chalcopyrite and trace pyrite occur as disseminated fine grains, trace magnetite due to weak patchy magnetism.

85.62 85.62 D0 6599

85.62 86.69 D0 6600

86.68 86.69 CON  
Irregular contact with pG  
along a fracture surface.

| From  | To    | Litho | Oxidation Limit | (Continued from previous page) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------|-------|-------|-----------------|--------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 84.56 | 86.69 | fG    |                 |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |

| From  | To    | Litho | Oxidation Limit |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------|-------|-------|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 86.69 | 92.43 | pG    |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Moderately biotite and weakly epidote altered quartz and k-spar phyric amphibole pG, with epidote replacing mafics. Weak chlorite and k-alteration in fracture margins. Minor calcite + limonite along fracture surfaces. Unfoliated and moderately fractured, contains a few small patches that show a weak fabric. Intersected by rare pegmatite veins. Sharp contact with fG oriented at ~55 TCA. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

86.6986.6987.69D06601

86.69 92.42 NA  
Unfoliated and moderately fractured, contains a few small patches that show a weak fabric. Intersected by rare pegmatite veins.

86.6992.43M-VW-VWVW-VWVW86.6992.430--

Moderately biotite and weakly epidote altered pG, with epidote replacing mafics. Weak chlorite and k-alteration in fracture margins. Minor calcite + limonite along fracture surfaces.

Unmineralized and non-magnetic.

92.42 92.43 CON 55  
Sharp contact with fG oriented at ~55 TCA.

87.6989.56D06602

89.5691.43D06603

91.4392.43D06604

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 92.43 | 97.64 | fG    |                 |

Moderately biotite altered fG with very weak patchy chlorite and epidote replacing mafics. Minor calcite + limonite along some fracture surfaces. Weak to moderate foliation oriented at ~45 TCA, small patches show small scale folding. Moderately fractured with small sections of blocky core. Intersected by occassional pegmatite veins. Sharp contact with pG oriented at ~45 TCA. 0.25% magnetite due to patchy strong magnetism, no visible sulphides.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

|       |       |     |    |    |                                                                                                                                                                                             |    |    |   |   |                                                                                                                                                   |       |       |      |   |   |    |      |  |  |                                                                       |  |  |  |  |  |  |  |  |  |       |       |    |      |  |  |  |  |  |  |
|-------|-------|-----|----|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|---|---|---------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|------|---|---|----|------|--|--|-----------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|-------|-------|----|------|--|--|--|--|--|--|
|       |       |     |    |    |                                                                                                                                                                                             |    |    |   |   | 92.43                                                                                                                                             | 93.93 | D0    | 6605 |   |   |    |      |  |  |                                                                       |  |  |  |  |  |  |  |  |  |       |       |    |      |  |  |  |  |  |  |
| 92.43 | 97.63 | FOL | 45 | W  | Weak to moderate foliation oriented at ~45 TCA, small patches show small scale folding. Moderately fractured with small sections of blocky core. Intersected by occasional pegmatite veins. |    |    |   |   |                                                                                                                                                   |       |       |      |   |   |    |      |  |  |                                                                       |  |  |  |  |  |  |  |  |  |       |       |    |      |  |  |  |  |  |  |
| 92.43 | 97.64 | M   | -  | VW | -                                                                                                                                                                                           | VW | VW | - | - | VW                                                                                                                                                | 92.43 | 97.64 | 0    | - | - | MG | 0.25 |  |  |                                                                       |  |  |  |  |  |  |  |  |  |       |       |    |      |  |  |  |  |  |  |
|       |       |     |    |    |                                                                                                                                                                                             |    |    |   |   | Moderately biotite altered fG with very weak patchy chlorite and epidote replacing mafics. Minor calcite + limonite along some fracture surfaces. |       |       |      |   |   |    |      |  |  | 0.25% magnetite due to patchy strong magnetism, no visible sulphides. |  |  |  |  |  |  |  |  |  |       |       |    |      |  |  |  |  |  |  |
|       |       |     |    |    |                                                                                                                                                                                             |    |    |   |   |                                                                                                                                                   |       |       |      |   |   |    |      |  |  |                                                                       |  |  |  |  |  |  |  |  |  | 93.93 | 93.93 | D0 | 6606 |  |  |  |  |  |  |
|       |       |     |    |    |                                                                                                                                                                                             |    |    |   |   |                                                                                                                                                   |       |       |      |   |   |    |      |  |  |                                                                       |  |  |  |  |  |  |  |  |  | 93.93 | 95.43 | D0 | 6607 |  |  |  |  |  |  |
|       |       |     |    |    |                                                                                                                                                                                             |    |    |   |   |                                                                                                                                                   |       |       |      |   |   |    |      |  |  |                                                                       |  |  |  |  |  |  |  |  |  | 95.43 | 96.55 | D0 | 6608 |  |  |  |  |  |  |
|       |       |     |    |    |                                                                                                                                                                                             |    |    |   |   |                                                                                                                                                   |       |       |      |   |   |    |      |  |  |                                                                       |  |  |  |  |  |  |  |  |  | 96.55 | 96.55 | D0 | 6609 |  |  |  |  |  |  |
|       |       |     |    |    |                                                                                                                                                                                             |    |    |   |   |                                                                                                                                                   |       |       |      |   |   |    |      |  |  |                                                                       |  |  |  |  |  |  |  |  |  | 96.55 | 97.64 | D0 | 6610 |  |  |  |  |  |  |
| 97.63 | 97.64 | CON | 45 |    |                                                                                                                                                                                             |    |    |   |   |                                                                                                                                                   |       |       |      |   |   |    |      |  |  |                                                                       |  |  |  |  |  |  |  |  |  |       |       |    |      |  |  |  |  |  |  |
|       |       |     |    |    |                                                                                                                                                                                             |    |    |   |   | Sharp contact with pG oriented at ~45 TCA.                                                                                                        |       |       |      |   |   |    |      |  |  |                                                                       |  |  |  |  |  |  |  |  |  |       |       |    |      |  |  |  |  |  |  |



| From                                                                                                                                                                                                                                                                                |        | To     |    | Litho  |                                                                                                                                      | Oxidation Limit |     |    |    |     |    |    |    |   |                                 |  |        |        |      |       |    |        |        |      |         |      |     |      |    |        |  |        |        |    |      |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|----|--------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----|----|----|-----|----|----|----|---|---------------------------------|--|--------|--------|------|-------|----|--------|--------|------|---------|------|-----|------|----|--------|--|--------|--------|----|------|--|--|--|--|--|--|--|--|
| 100.91                                                                                                                                                                                                                                                                              |        | 102.62 |    | And    |                                                                                                                                      |                 |     |    |    |     |    |    |    |   |                                 |  |        |        |      |       |    |        |        |      |         |      |     |      |    |        |  |        |        |    |      |  |  |  |  |  |  |  |  |
| Andesite dyke that is very weakly chlorite altered throughout, calcification of microfractures and fracture surfaces, minor limonite on fracture surfaces. Unfoliated and moderately fractured. Irregular contact with eG along a fracture surface. Unmineralized and non-magnetic. |        |        |    |        |                                                                                                                                      |                 |     |    |    |     |    |    |    |   |                                 |  |        |        |      |       |    |        |        |      |         |      |     |      |    |        |  |        |        |    |      |  |  |  |  |  |  |  |  |
| STRUCTURES                                                                                                                                                                                                                                                                          |        |        |    |        | ALTERATION                                                                                                                           |                 |     |    |    |     |    |    |    |   | MINERALIZATION                  |  |        |        |      |       |    |        |        |      | SAMPLES |      |     |      |    |        |  |        |        |    |      |  |  |  |  |  |  |  |  |
| From                                                                                                                                                                                                                                                                                | To     | Struct | CA | Strain | From                                                                                                                                 | To              | INT | SR | CL | SIL | CC | EP | AB | K | LI                              |  | From   | To     | CPY% | Style | VG | Min    | Min%   | Min2 | M2%     | Min3 | M3% | From | To | Sample |  |        |        |    |      |  |  |  |  |  |  |  |  |
| 100.91                                                                                                                                                                                                                                                                              | 102.61 | NA     |    |        |                                                                                                                                      |                 |     |    |    |     |    |    |    |   |                                 |  |        |        |      |       |    | 100.91 | 102.61 | NA   |         |      |     |      |    |        |  |        |        |    |      |  |  |  |  |  |  |  |  |
| Unfoliated and moderately fractured.                                                                                                                                                                                                                                                |        |        |    |        |                                                                                                                                      |                 |     |    |    |     |    |    |    |   |                                 |  |        |        |      |       |    |        |        |      |         |      |     |      |    |        |  |        |        |    |      |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                     |        |        |    |        | 100.91                                                                                                                               | 102.62          | W   | -  | VW | -   | VW | -  | -  | - | VW                              |  | 100.91 | 102.62 | 0    | -     | -  |        |        |      |         |      |     |      |    |        |  | 100.91 | 102.62 | DO | 6613 |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                     |        |        |    |        | Very weakly chlorite altered throughout, calcification of microfractures and fracture surfaces, minor limonite on fracture surfaces. |                 |     |    |    |     |    |    |    |   | Unmineralized and non-magnetic. |  |        |        |      |       |    |        |        |      |         |      |     |      |    |        |  |        |        |    |      |  |  |  |  |  |  |  |  |
| 102.61                                                                                                                                                                                                                                                                              | 102.62 | CON    |    |        |                                                                                                                                      |                 |     |    |    |     |    |    |    |   |                                 |  |        |        |      |       |    |        |        |      |         |      |     |      |    |        |  |        |        |    |      |  |  |  |  |  |  |  |  |
| Irregular contact with eG along a fracture surface.                                                                                                                                                                                                                                 |        |        |    |        |                                                                                                                                      |                 |     |    |    |     |    |    |    |   |                                 |  |        |        |      |       |    |        |        |      |         |      |     |      |    |        |  |        |        |    |      |  |  |  |  |  |  |  |  |

| From                                                                                                                                                                                                                                                                                                                                                                                                                                    |        | To     |    | Litho  |            | Oxidation Limit |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |        |        |        |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|----|--------|------------|-----------------|-----|----|----|-----|----|----|----|---|----------------|--|------|----|------|-------|----|-----|------|------|---------|------|-----|--------|--------|--------|------|
| 102.62                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | 104.70 |    | eG     |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |        |        |        |      |
| Moderately biotite altered eG, with weak patchy chlorite repacing biotite grains. Very weak epidote and moderate k-alteration in some fracture margins. Weak calcite + limonite along fracture surfaces. Unfoliated and moderately fractured with a small section of blocky core. Patchy weak fabric to core. Intersected by rare andesite and aplite veins. Sharp contact with fG oriented at ~35 TCA. Unmineralized and non-magnetic. |        |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |        |        |        |      |
| STRUCTURES                                                                                                                                                                                                                                                                                                                                                                                                                              |        |        |    |        | ALTERATION |                 |     |    |    |     |    |    |    |   | MINERALIZATION |  |      |    |      |       |    |     |      |      | SAMPLES |      |     |        |        |        |      |
| From                                                                                                                                                                                                                                                                                                                                                                                                                                    | To     | Struct | CA | Strain | From       | To              | INT | SR | CL | SIL | CC | EP | AB | K | LI             |  | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From   | To     | Sample |      |
| 102.62                                                                                                                                                                                                                                                                                                                                                                                                                                  | 104.69 | NA     |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |        |        |        |      |
| Unfoliated and moderately fractured with a small section of blocky core. Patchy weak fabric to core. Intersected by rare andesite and aplite veins.                                                                                                                                                                                                                                                                                     |        |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |        |        |        |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     | 102.62 | 103.70 | D0     | 6614 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |        |        |        |      |

| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 102.62 | 104.70 | eG    |                 |

Moderately biotite altered eG, with weak patchy chlorite repacing biotite grains. Very weak epidote and moderate k-alteration in some fracture margins. Weak calcite + limonite along fracture surfaces. Unfoliated and moderately fractured with a small section of blocky core. Patchy weak fabric to core. Intersected by rare andesite and aplite veins. Sharp contact with fG oriented at ~35 TCA. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

|                                                                                                                                                                                                          |        |   |   |    |   |    |    |   |   |    |  |  |  |  |  |                                 |        |   |   |   |  |  |  |  |  |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---|---|----|---|----|----|---|---|----|--|--|--|--|--|---------------------------------|--------|---|---|---|--|--|--|--|--|--|--|--|--|--|--|
| 102.62                                                                                                                                                                                                   | 104.70 | M | - | VW | - | VW | VW | - | W | VW |  |  |  |  |  | 102.62                          | 104.70 | 0 | - | - |  |  |  |  |  |  |  |  |  |  |  |
| Moderately biotite altered eG, with weak patchy chlorite repacing biotite grains. Very weak epidote and moderate k-alteration in some fracture margins. Weak calcite + limonite along fracture surfaces. |        |   |   |    |   |    |    |   |   |    |  |  |  |  |  | Unmineralized and non-magnetic. |        |   |   |   |  |  |  |  |  |  |  |  |  |  |  |

|        |        |    |      |
|--------|--------|----|------|
| 103.70 | 104.70 | D0 | 6615 |
|--------|--------|----|------|

104.69 104.70 CON 35  
Sharp contact with fG oriented at ~35 TCA.

| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 104.70 | 131.67 | fG    |                 |

Moderately biotite altered fG, with weak patchy chlorite and epidote replacing biotite grains. Very weak k-alteration in fracture margins. Minor calcite + limonite along fracture surfaces. Slight vuggy texture in fractured areas. Contains small garnet grains, occassional patches are loaded with garnets. Weak foliation oriented at 40-50 TCA, with small sections of small scale folding where foliation shallows then returns to ~45 TCA. Strongly fractured with small sections of broken/blocky core due to lowangle TCA fractures, some sections of discy core where foliation is stronger and fractures follow foliation. Interscted by occassional pegmatite and aplite veins. From 115.21 to 116.50m, there is a section of broken core with a small section of ground core likely due to a moderate fault. Mineralization is patchy and ranges from trace pyrite and magnetite to trace chalcopyrite and magnetite and up to 1% pyrite in some small patches, usually associated with stronger foliation.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

|                                                                                                   |        |   |   |   |    |      |    |      |  |  |  |  |  |  |  |        |        |    |      |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------|--------|---|---|---|----|------|----|------|--|--|--|--|--|--|--|--------|--------|----|------|--|--|--|--|--|--|
| 104.70                                                                                            | 106.59 | 0 | - | - | PY | 0.05 | MG | 0.05 |  |  |  |  |  |  |  | 104.70 | 106.59 | D0 | 6616 |  |  |  |  |  |  |
| Trace pyrite occurring as disseminated fine grains, trace magnetite due to weak patchy magnetism. |        |   |   |   |    |      |    |      |  |  |  |  |  |  |  |        |        |    |      |  |  |  |  |  |  |

104.70 115.21 FOL 45 W  
Weak foliation oriented at 40-50 TCA, moderate to

| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 104.70 | 131.67 | fG    |                 |

Moderately biotite altered fG, with weak patchy chlorite and epidote replacing biotite grains. Very weak k-alteration in fracture margins. Minor calcite + limonite along fracture surfaces. Slight vuggy texture in fractured areas. Contains small garnet grains, occassional patches are loaded with garnets. Weak foliation oriented at 40-50 TCA, with small sections of small scale folding where foliation shallows then returns to ~45 TCA. Strongly fractured with small sections of broken/blocky core due to lowangle TCA fractures, some sections of discy core where foliation is stronger and fractures follow foliation. Interscted by occassional pegmatite and aplite veins. From 115.21 to 116.50m, there is a section of broken core with a small section of ground core likely due to a moderate fault. Mineralization is patchy and ranges from trace pyrite and magnetite to trace chalcopyrite and magnetite and up to 1% pyrite in some small patches, usually associated with stronger foliation.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

strongly fractured with small sections of broken core. Intersected by occassional pegmatite and aplite veins.

104.70 131.67 M - VW - VW VW - VW VW

Moderately biotite altered fG, with weak patchy chlorite and epidote replacing biotite grains. Very weak k-alteration in fracture margins. Minor calcite + limonite along fracture surfaces. Slight vuggy texture in fractured areas.

|                                                                                                                             |        |      |    |   |    |      |    |      |        |        |    |      |
|-----------------------------------------------------------------------------------------------------------------------------|--------|------|----|---|----|------|----|------|--------|--------|----|------|
| 106.59                                                                                                                      | 108.24 | 0.05 | FG | - | PY | 0.25 | MG | 0.05 | 106.59 | 108.24 | D0 | 6617 |
| <i>Trace chalcopyrite and 0.25-0.5% pyrite occur as disseminated fine grains in mafic bands, trace magnetite as before.</i> |        |      |    |   |    |      |    |      |        |        |    |      |
|                                                                                                                             |        |      |    |   |    |      |    |      | 108.24 | 108.24 | D0 | 6618 |
|                                                                                                                             |        |      |    |   |    |      |    |      | 108.24 | 109.80 | D0 | 6619 |
| 108.21                                                                                                                      | 112.91 | 0    | -  | - | PY | 0.05 | MG | 0.05 |        |        |    |      |
| <i>Trace pyrite occurring as disseminated fine grains, trace magnetite due to weak patchy magnetism.</i>                    |        |      |    |   |    |      |    |      |        |        |    |      |
|                                                                                                                             |        |      |    |   |    |      |    |      | 109.80 | 109.80 | D0 | 6620 |
|                                                                                                                             |        |      |    |   |    |      |    |      | 109.80 | 111.36 | D0 | 6621 |
|                                                                                                                             |        |      |    |   |    |      |    |      | 111.36 | 112.91 | D0 | 6622 |





| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 104.70 | 131.67 | fG    |                 |

(Continued from previous page)

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |

131.66 131.67 CON  
Irregular contact with eG  
along a fracture.

| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 131.67 | 139.70 | eG    |                 |

Moderately biotite and weakly chlorite altered amphibole eG, with chlorite replacing mafics. Minor calcite along fracture surfaces. From 131.67 to 132.30m, there is a moderate fracture producing a section of blocky and broken core, with a small section of crushed core, significant calcite fill along fracture surface. After 132.30m: unfoliated and moderately fractured with small sections of broken core. Small sections have a weak fabric. Intersected by occasional pegmatite and quartz veins. Gradational contact with fG oriented at ~60 TCA. Unmineralised and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      | SAMPLES |     |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|---------|-----|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2    | M2% | Min3 | M3% | From | To | Sample |

131.67 131.67 D0 6641

131.67 132.30 FR 40  
Moderate fracture  
producing a section of  
blocky and broken core,  
with a small section of  
crushed core, significant  
calcite fill along fracture  
surface.

131.67 132.67 D0 6642

131.67 139.70 M - W - VW VW - - - 131.67 139.70 0 - -  
Moderately biotite and weakly chlorite altered eG, with chlorite replacing mafics. Minor calcite along fracture surfaces. Unmineralized and non-magnetic.

132.30 139.69 NA  
Unfoliated and moderately  
fractured with small

| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 131.67 | 139.70 | eG    |                 |

(Continued from previous page)

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |

sections of broken core.  
Small sections have a  
weak fabric. Intersected by  
occassional pegmatite and  
quartz veins.

|        |        |    |      |
|--------|--------|----|------|
| 132.67 | 134.17 | D0 | 6643 |
| 134.17 | 135.67 | D0 | 6644 |
| 135.67 | 137.17 | D0 | 6645 |
| 137.17 | 138.70 | D0 | 6646 |
| 138.70 | 138.70 | D0 | 6647 |
| 138.70 | 139.70 | D0 | 6648 |

139.69 139.70 CON 60  
Gradational contact with fG  
oriented at ~60 TCA.

| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 139.70 | 152.66 | fG    |                 |

Moderately biotite altered fG, with patchy weak chlorite replacing mafics. Weak epidote and k-alteration in fracture margins. Minor calcite along fracture surfaces and microfractures. Weak foliation oriented at 35-45 TCA, with small sections of stronger foliation. Moderately fractured and intersected by occasional pegmatite veins. Sharp contact with pG oriented at ~60 TCA. Trace chalcopyrite and 0.1-0.25% pyrite occurring as disseminated fine grains. Trace magnetite due to weak patchy magnetism. Small patches of higher grade of sulphide mineralization associated with stronger foliation and vuggy texture. After 149.91m, there is an increase to ~1.5% pyrite associated with a stronger and more continuous vuggy texture.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

|        |        |    |      |
|--------|--------|----|------|
| 139.70 | 141.20 | D0 | 6649 |
|--------|--------|----|------|

| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 139.70 | 152.66 | fG    |                 |

Moderately biotite altered fG, with patchy weak chlorite replacing mafics. Weak epidote and k-alteration in fracture margins. Minor calcite along fracture surfaces and microfractures. Weak foliation oriented at 35-45 TCA, with small sections of stronger foliation. Moderately fractured and intersected by occassional pegmatite veins. Sharp contact with pG oriented at ~60 TCA. Trace chalcopyrite and 0.1-0.25% pyrite occurring as disseminated fine grains. Trace magnetite due to weak patchy magnetism. Small patches of higher grade of sulphide mineralization associated with stronger foliation and vuggy texture. After 149.91m, there is an increase to ~1.5% pyrite associated with a stronger and more continuous vuggy texture.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

139.70 149.91 0.05 FG - PY 0.1 MG0.05

Trace chalcopyrite and 0.1-0.25% pyrite occurring as disseminated fine grains. Trace magnetite due to weak patchy magnetism. Small patches of higher grade of sulphide mineralization associated with stronger foliation and vuggy texture.

139.70 152.65 FOL 40 W

Weak foliation oriented at 35-45 TCA, with small sections of stronger foliation. Moderately fractured and intersected by occassional pegmatite veins.

139.70 152.66 M - VW - VW VW - VW -

Moderately biotite altered fG, with patchy weak chlorite replacing mafics. Weak epidote and k-alteration in fracture margins. Minor calcite along fracture surfaces and microfractures.

|        |        |    |      |
|--------|--------|----|------|
| 141.20 | 142.70 | D0 | 6650 |
| 142.70 | 144.20 | D0 | 6651 |
| 144.20 | 144.20 | D0 | 6652 |
| 144.20 | 145.70 | D0 | 6653 |
| 145.70 | 147.20 | D0 | 6654 |
| 147.20 | 148.70 | D0 | 6655 |

| From       |    | To     |    | Litho  |            | Oxidation Limit |     | (Continued from previous page) |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|------------|----|--------|----|--------|------------|-----------------|-----|--------------------------------|----|-----|----|----|----|---|----------------|--|------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| 139.70     |    | 152.66 |    | fG     |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
| STRUCTURES |    |        |    |        | ALTERATION |                 |     |                                |    |     |    |    |    |   | MINERALIZATION |  |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
| From       | To | Struct | CA | Strain | From       | To              | INT | SR                             | CL | SIL | CC | EP | AB | K | LI             |  | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |
|            |    |        |    |        |            |                 |     |                                |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |

| From                                                                                                                                                                                                                                                                                          |        | To     |    | Litho  |            | Oxidation Limit |     |    |    |     |    |    |    |   |                |        |        |      |       |    |     |                                 |      |     |         |     |        |        |        |      |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|----|--------|------------|-----------------|-----|----|----|-----|----|----|----|---|----------------|--------|--------|------|-------|----|-----|---------------------------------|------|-----|---------|-----|--------|--------|--------|------|--|
| 152.66                                                                                                                                                                                                                                                                                        |        | 153.02 |    | pG     |            |                 |     |    |    |     |    |    |    |   |                |        |        |      |       |    |     |                                 |      |     |         |     |        |        |        |      |  |
| Moderately biotite altered quartz-phyric amphibole pG, with weak epidote and very weak chlorite replacing mafics throughout. Minor calcite along fracture surfaces. Unfoliated and weakly fractured. Sharp contact with a pegmatite dyke oriented at ~30 TCA. Unmineralized and non-magnetic. |        |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |        |        |      |       |    |     |                                 |      |     |         |     |        |        |        |      |  |
| STRUCTURES                                                                                                                                                                                                                                                                                    |        |        |    |        | ALTERATION |                 |     |    |    |     |    |    |    |   | MINERALIZATION |        |        |      |       |    |     |                                 |      |     | SAMPLES |     |        |        |        |      |  |
| From                                                                                                                                                                                                                                                                                          | To     | Struct | CA | Strain | From       | To              | INT | SR | CL | SIL | CC | EP | AB | K | LI             | From   | To     | CPY% | Style | VG | Min | Min%                            | Min2 | M2% | Min3    | M3% | From   | To     | Sample |      |  |
| 152.66                                                                                                                                                                                                                                                                                        | 153.02 | M      | -  | VW     | -          | VW              | W   | -  | -  | -   |    |    |    |   |                | 152.66 | 153.02 | 0    | -     | -  |     |                                 |      |     |         |     | 152.66 | 153.02 | D0     | 6661 |  |
| Moderately biotite altered pG, with weak epidote and very weak chlorite replacing mafics throughout. Minor calcite along fracture surfaces.                                                                                                                                                   |        |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |        |        |      |       |    |     | Unmineralized and non-magnetic. |      |     |         |     |        |        |        |      |  |
| 153.01                                                                                                                                                                                                                                                                                        | 153.02 | CON    | 30 |        |            |                 |     |    |    |     |    |    |    |   |                |        |        |      |       |    |     |                                 |      |     |         |     |        |        |        |      |  |
| Sharp contact with a pegmatite dyke oriented at ~30 TCA.                                                                                                                                                                                                                                      |        |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |        |        |      |       |    |     |                                 |      |     |         |     |        |        |        |      |  |

| From                                                                                                                                                                                                                                                                         |        | To     |    | Litho  |                                                           | Oxidation Limit |     |    |    |     |    |    |    |   |                |  |                    |        |      |       |    |     |                                 |      |         |      |        |        |        |        |      |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|----|--------|-----------------------------------------------------------|-----------------|-----|----|----|-----|----|----|----|---|----------------|--|--------------------|--------|------|-------|----|-----|---------------------------------|------|---------|------|--------|--------|--------|--------|------|--|
| 153.02                                                                                                                                                                                                                                                                       |        | 153.64 |    | Peg    |                                                           |                 |     |    |    |     |    |    |    |   |                |  |                    |        |      |       |    |     |                                 |      |         |      |        |        |        |        |      |  |
| Aplite cored pegmatite dyke with minor calcite along microfractures and fracture surfaces. Unfoliated and weakly fractured. Contains a small amount of pG material included near the top contact. Sharp contact with pG oriented at ~15 TCA. Unmineralized and non-magnetic. |        |        |    |        |                                                           |                 |     |    |    |     |    |    |    |   |                |  |                    |        |      |       |    |     |                                 |      |         |      |        |        |        |        |      |  |
| STRUCTURES                                                                                                                                                                                                                                                                   |        |        |    |        | ALTERATION                                                |                 |     |    |    |     |    |    |    |   | MINERALIZATION |  |                    |        |      |       |    |     |                                 |      | SAMPLES |      |        |        |        |        |      |  |
| From                                                                                                                                                                                                                                                                         | To     | Struct | CA | Strain | From                                                      | To              | INT | SR | CL | SIL | CC | EP | AB | K | LI             |  | From               | To     | CPY% | Style | VG | Min | Min%                            | Min2 | M2%     | Min3 | M3%    | From   | To     | Sample |      |  |
| 153.02                                                                                                                                                                                                                                                                       | 153.63 | NA     |    |        |                                                           |                 |     |    |    |     |    |    |    |   |                |  | 153.02             | 153.64 | 0    | -     | -  |     |                                 |      |         |      |        | 153.02 | 153.64 | D0     | 6662 |  |
| Unfoliated and weakly fractured.                                                                                                                                                                                                                                             |        |        |    |        |                                                           |                 |     |    |    |     |    |    |    |   |                |  |                    |        |      |       |    |     |                                 |      |         |      |        |        |        |        |      |  |
|                                                                                                                                                                                                                                                                              |        |        |    |        | 153.02                                                    | 153.64          | VW  | -  | -  | -   | VW | -  | -  | - | -              |  | 153.02153.64 0 - - |        |      |       |    |     |                                 |      |         |      | 153.02 | 153.64 | D0     | 6662   |      |  |
|                                                                                                                                                                                                                                                                              |        |        |    |        | Minor calcite along microfractures and fracture surfaces. |                 |     |    |    |     |    |    |    |   |                |  |                    |        |      |       |    |     | Unmineralized and non-magnetic. |      |         |      |        |        |        |        |      |  |
| 153.63                                                                                                                                                                                                                                                                       | 153.64 | CON    | 15 |        |                                                           |                 |     |    |    |     |    |    |    |   |                |  |                    |        |      |       |    |     |                                 |      |         |      |        |        |        |        |      |  |
| Sharp contact with pG oriented at ~15 TCA.                                                                                                                                                                                                                                   |        |        |    |        |                                                           |                 |     |    |    |     |    |    |    |   |                |  |                    |        |      |       |    |     |                                 |      |         |      |        |        |        |        |      |  |

| From                                                                             |        | To     |    | Litho  |                                                                                                                                                                                                | Oxidation Limit |     |                                                                                                                                                                                                                                                                                                                                                                    |    |     |    |    |    |    |                                 |  |        |        |      |       |    |     |      |      |         |      |     |        |        |         |
|----------------------------------------------------------------------------------|--------|--------|----|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----|----|----|----|----|---------------------------------|--|--------|--------|------|-------|----|-----|------|------|---------|------|-----|--------|--------|---------|
| 153.64                                                                           |        | 163.98 |    | pG     |                                                                                                                                                                                                |                 |     | Moderately biotite and weakly epidote altered k-spar and quartz-phyric amphibole pG, with epidote replacing mafics. Weak chlorite and k-alteration in fracture margins. Minor calcite along fracture surfaces and microfractures. Unfoliated and moderately fractured. Intersected by occassional pegmatite veins. Unmineralized and non-magnetic. EOH at 163.98m. |    |     |    |    |    |    |                                 |  |        |        |      |       |    |     |      |      |         |      |     |        |        |         |
| STRUCTURES                                                                       |        |        |    |        | ALTERATION                                                                                                                                                                                     |                 |     |                                                                                                                                                                                                                                                                                                                                                                    |    |     |    |    |    |    | MINERALIZATION                  |  |        |        |      |       |    |     |      |      | SAMPLES |      |     |        |        |         |
| From                                                                             | To     | Struct | CA | Strain | From                                                                                                                                                                                           | To              | INT | SR                                                                                                                                                                                                                                                                                                                                                                 | CL | SIL | CC | EP | AB | K  | LI                              |  | From   | To     | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From   | To     | Sample  |
| 153.64                                                                           | 163.98 | NA     |    |        | 153.64                                                                                                                                                                                         | 163.98          | M   | -                                                                                                                                                                                                                                                                                                                                                                  | VW | -   | VW | W  | -  | VW | -                               |  | 153.64 | 163.98 | 0    | -     | -  |     |      |      |         |      |     | 153.64 | 155.14 | D0 6663 |
| Unfoliated and moderately fractured. Intersected by occassional pegmatite veins. |        |        |    |        | Moderately biotite and weakly epidote altered pG, with epidote replacing mafics. Weak chlorite and k-alteration in fracture margins. Minor calcite along fracture surfaces and microfractures. |                 |     |                                                                                                                                                                                                                                                                                                                                                                    |    |     |    |    |    |    | Unmineralized and non-magnetic. |  |        |        |      |       |    |     |      |      |         |      |     |        |        |         |

# TITLE PAGE

| Hole ID             | 07SWC209         | Zone                           | IROD          |           |          |
|---------------------|------------------|--------------------------------|---------------|-----------|----------|
| Section             | UNKNOWN          | Easting                        | 383592.88     | Source    | Surveyor |
| Site                | Land             | Northing                       | 6944552.87    | Azimuth   | 135      |
| Length              | 160.93m          | Elevation                      | 885.84        | Dip       | -70      |
|                     |                  | Grid                           | UTM NAD83     |           |          |
| Logged by           | Alan Chalifoux   |                                | Day Started   | 13-Jul-07 |          |
| Logger #2           | NONE             |                                | Day Finished  | 15-Jul-07 |          |
| Geotechnician       | Kantcho Kantchev |                                | Log Completed | 15-Jul-07 |          |
| Geotechnician #2    | NONE             |                                | Last Updated  | 26-Nov-07 |          |
| Geotech Type        | SRK              | DIP TESTS (other than Maxibor) |               |           |          |
|                     |                  | Depth                          | Azimuth       | Dip       | Type     |
|                     |                  | 5.49                           | 113.00        | -71.50    | FX       |
|                     |                  | 160.93                         | 112.40        | -70.00    | FX       |
| Available Analyses: |                  |                                |               |           |          |
| Au-AA               | Yes              | ICP                            | Yes           | Total Cu  | Yes      |
| Au-MET              | No               |                                |               | Cu NS     | Yes      |

## Summary

Exploration drill hole at the IROD. Multiple foliated granodiorite units were intersected with no significant mineralization.

*Hole ID*   **07SWC209**

*Zone*   **IROD**

---

*Signature:*

Drill Log  
IROD

Signature: \_\_\_\_\_

Initials: \_\_\_\_\_

07SWC209

| From | To | Litho | Oxidation Limit |
|------|----|-------|-----------------|
|------|----|-------|-----------------|

0.003.05Ob

Overburden. Casing to 3.05m.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

0.003.05NA0.003.05- - - - - - - -0.003.050 - -

| From | To | Litho | Oxidation Limit |
|------|----|-------|-----------------|
|------|----|-------|-----------------|

3.056.06pG

Moderately biotite altered + weathered quartz phyrlic amphibole pG, with weak patchy chlorte replacing biotite. Very weak epidote alteration of mafics in the margins of some fractures. Minor calcite + strong limonite along fracture surfaces. Core has a strong rusty appearance in fractured areas, and a weak reddish coloration due to staining of mafics. Unfoliated and strongly fractured with small sections of broken and blocky core. Intersected by occassional pegmatite and rare aplite veins. Sharp contact with an andesite dyke oriented at ~55 TCA. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

3.055.06D06664

3.056.05NA  
Unfoliated and strongly fractured with small sections of broken and blocky core. Intersected by occassional pegmatite and rare aplite veins.

3.056.06S - VW - VWVW - - W  
Moderately biotite altered pG, with weak patchy chlorte replacing biotite. Very weak epidote alteration of mafics in the margins of some fractures. Minor calcite + strong limonite along fracture surfaces. Core has a strong rusty appearance in fractured areas, and a weak reddish coloration due to staining of mafics.

3.056.060 - -  
Unmineralized and non-magnetic.



| From | To    | Litho | Oxidation Limit |
|------|-------|-------|-----------------|
| 9.15 | 24.26 | pG    |                 |

Moderately biotite altered + weathered quartz and k-spar phyric pG, with weak patchy chlorite and epidote alteration of mafics. Minor calcite and limonite along fracture surfaces. First ~5m of section has a weak rusty appearance. Unfoliated and moderately fractured, with small sections of broken and blocky core due to low angleTCA fractures. Intersected by occassional andesite and pegmatite veins. Small patch near lower contact with a weak fabric. Irregular contact with fG along a fracture surface. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

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|      |       |    |                                                                                                                                                                                                                                     |  |  |  |  |  |  | 9.15 | 10.15 | D0 | 6669 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.15 | 24.25 | NA | <i>Unfoliated and moderately fractured, with small sections of broken and blocky core due to low angleTCA fractures. Intersected by occasional andesite and pegmatite veins. Small patch near lower contact with a weak fabric.</i> |  |  |  |  |  |  |      |       |    |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 24.26 | 32.23 | fG    |                 |

Moderately biotite altered and strongly weathered fG, with a weak vuggy texture and strong patchy rusty coloration. Minor calcite and moderate limonite along fracture surfaces, limonite also occurring in fracture margins. Moderate foliation oriented at ~45 TCA, small patches with variable orientation. Strongly fractured, many fractures following foliation, sections of broken core due to fractures and weathering. Intersected by occassional pegmatite veins. Irregular contact with eG along a fracture surface. Trace chalcocite occurring as staining along fracture surfaces, non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

24.26 32.22 FOL 45 M  
Moderate foliation oriented at ~45 TCA, small patches with variable orientation. Strongly fractured, many fractures following foliation, sections of broken core due to fractures and weathering.

24.26 32.23 M - - - VW - - - W  
Moderately biotite altered and strongly weathered fG, with a weak vuggy texture and strong patchy rusty coloration. Minor calcite and moderate limonite along fracture surfaces, limonite also occurring in fracture margins.

24.26 32.23 0 - - CH 0.05  
Trace chalcocite occurring as staining along fracture surfaces, non-magnetic.

24.26 25.76 D0 6673

25.76 25.76 D0 6674

25.76 27.26 D0 6675

27.26 28.76 D0 6676

28.76 30.26 D0 6677

30.26 30.26 D0 6678

30.26 31.24 D0 6679

31.24 32.23 D0 6680



| From | To | Litho | Oxidation Limit |
|------|----|-------|-----------------|
|------|----|-------|-----------------|

33.75 34.19 Peg

Wavy pegmatite dyke with very weak k-alteration along grain margins. Minor calcite + limonite along fracture surfaces, core has a weak rusty appearance in fracture margins. Unfoliated and moderately fractured. Sharp contact with eG oriented at ~15 TCA. Trace magnetite due to weak patchy magnetism, no visible sulphides.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

33.75 34.18 NA  
Unfoliated and moderately fractured.

|                                                                                                                                                     |       |   |   |   |   |    |   |   |    |    |       |       |   |   |   |                                                                     |      |  |  |  |  |  |  |  |  |       |       |    |      |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------|---|---|---|---|----|---|---|----|----|-------|-------|---|---|---|---------------------------------------------------------------------|------|--|--|--|--|--|--|--|--|-------|-------|----|------|--|--|
| 33.75                                                                                                                                               | 34.19 | W | - | - | - | VW | - | - | VW | VW | 33.75 | 34.19 | 0 | - | - | MG                                                                  | 0.05 |  |  |  |  |  |  |  |  | 33.75 | 34.19 | D0 | 6683 |  |  |
| Very weak k-alteration along grain margins. Minor calcite + limonite along fracture surfaces, core has a weak rusty appearance in fracture margins. |       |   |   |   |   |    |   |   |    |    |       |       |   |   |   | Trace magnetite due to weak patchy magnetism, no visible sulphides. |      |  |  |  |  |  |  |  |  |       |       |    |      |  |  |

34.18 34.19 CON 15  
Sharp contact with eG oriented at ~15 TCA.

| From | To | Litho | Oxidation Limit |
|------|----|-------|-----------------|
|------|----|-------|-----------------|

34.19 36.14 eG

Moderately biotite altered + weathered eG, with a weak rusty appearance throughout. Minor calcite + limonite + hematite staining along fracture surfaces.Unfoliated and moderately fractured with a section of blocky core due to a fracture oriented sub-parallel TCA. Core has a weak fabric throughout. Intersected by rare pegmatite veins. Sharp contact with fG oriented at ~40 TCA. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

34.19 35.14 D0 6684

34.19 36.13 NA  
Unfoliated and moderately fractured with a section of blocky core due to a fracture oriented sub-parallel TCA. Core has a weak fabric throughout.

| From                                                                                                                                                                                                                                                                                                                                                                                                                       |    | To     |    | Litho  |            | Oxidation Limit |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------|----|--------|------------|-----------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----|----|----|----|---|----------------|---------------------------------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| 34.19                                                                                                                                                                                                                                                                                                                                                                                                                      |    | 36.14  |    | eG     |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
| Moderately biotite altered + weathered eG, with a weak rusty appearance throughout. Minor calcite + limonite + hematite staining along fracture surfaces.Unfoliated and moderately fractured with a section of blocky core due to a fracture oriented sub-parallel TCA. Core has a weak fabric throughout. Intersected by rare pegmatite veins. Sharp contact with fG oriented at ~40 TCA. Unmineralized and non-magnetic. |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
| STRUCTURES                                                                                                                                                                                                                                                                                                                                                                                                                 |    |        |    |        | ALTERATION |                 |     |                                                                                                                                                           |    |     |    |    |    |   | MINERALIZATION |                                 |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
| From                                                                                                                                                                                                                                                                                                                                                                                                                       | To | Struct | CA | Strain | From       | To              | INT | SR                                                                                                                                                        | CL | SIL | CC | EP | AB | K | LI             | From                            | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |
| Intersected by rare pegmatite veins.                                                                                                                                                                                                                                                                                                                                                                                       |    |        |    |        |            |                 |     | 34.19 36.14 M - - - VW - - - VW                                                                                                                           |    |     |    |    |    |   |                | 34.19 36.14 0 - -               |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     | Moderately biotite altered + weathered eG, with a weak rusty appearance throughout. Minor calcite + limonite + hematite staining along fracture surfaces. |    |     |    |    |    |   |                | Unmineralized and non-magnetic. |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
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|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        |            |                 |     |                                                                                                                                                           |    |     |    |    |    |   |                |                                 |    |      |       |    |     |      |      |     |         |     |      |    |        |

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 36.14 | 41.89 | fG    |                 |

Moderately biotite altered and strongly weathered fG, with small patches of pervasive biotite alteration. Minor calcite + weak limonite alongfracture surfaces. Core has a weak rusty coloration, small biotite rich patches havea weak vuggy texture. From 36.14 to 38.59m, there is a section of broken and rotten core, with a single small section of crushed core likely due to a fault. Contains some pegmatite material in broken sections. After 38.59m, moderate foliation oriented at ~50 TCA, moderately fractured with a small section of broken core. Small patch of rotten core. Intersected by numerous pegmatite veins. Sharp contact with pG oriented at ~60 TCA. Trace chalcocite occurringgas staining along fracture surfaces, 0.25-0.5% magnetite occurring as occassional patches of strong magnetism and a single ~4cm zone with small blebs.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

small section of crushed core likely due to a fault. Contains some pegmatite material in broken sections.

|                                                                                                                                                                                                                                                        |       |   |   |   |   |    |   |   |   |   |  |  |  |  |  |                                                                                                                                                                                   |       |       |   |   |   |    |      |    |      |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---|---|---|---|----|---|---|---|---|--|--|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|---|---|---|----|------|----|------|--|--|--|--|--|
| 36.14                                                                                                                                                                                                                                                  | 41.89 | M | - | - | - | VW | - | - | - | W |  |  |  |  |  |                                                                                                                                                                                   | 36.14 | 41.89 | 0 | - | - | CH | 0.05 | MG | 0.25 |  |  |  |  |  |
| Moderately biotite altered and strongly weathered fG, with small patches of pervasive biotite alteration. Minor calcite + weak limonite alongfracture surfaces. Core has a weak rusty coloration, small biotite rich patches havea weak vuggy texture. |       |   |   |   |   |    |   |   |   |   |  |  |  |  |  | Trace chalcocite occurringgas staining along fracture surfaces, 0.25-0.5% magnetite occurring as occassional patches of strong magnetism and a single ~4cm zone with small blebs. |       |       |   |   |   |    |      |    |      |  |  |  |  |  |

|       |       |    |      |
|-------|-------|----|------|
| 37.64 | 37.64 | D0 | 6687 |
| 37.64 | 39.14 | D0 | 6688 |

38.59 41.88 FOL 50  
Moderate foliation oriented at ~50 TCA, moderately fractured with a small section of broken core. Small patch of rotten core. Intersected by numerous pegmatite veins.

|       |       |    |      |
|-------|-------|----|------|
| 39.14 | 40.51 | D0 | 6689 |
| 40.51 | 41.89 | D0 | 6690 |

41.88 41.89 CON 60  
Sharp contact with pG oriented at ~60 TCA.

|       |       |    |      |
|-------|-------|----|------|
| 41.88 | 41.88 | D0 | 6691 |
|-------|-------|----|------|



| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 41.89 | 50.46 | pG    |                 |

(Continued from previous page)

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

47.56 48.20 FLT  
Section of broken and  
crushed core, likely due to  
a small fault.

47.67 49.46 D0 6696

48.20 50.45 NA  
Unfoliated and weak to  
moderately fractured.

49.46 50.46 D0 6697

50.45 50.46 CON  
Irregular contact with fG  
along a fracture surface.

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 50.46 | 55.35 | fG    |                 |

Moderately biotite altered fG, with patchy weak chlorite and epidote alteration of biotite grains. Weak calcite + limonite along fracture surfaces. Weak rusty appearance, strongest in margins of fault. Weak foliation oriented at ~35 TCA, moderate to strongly fractured with small sections of blocky core due to intersection of fractures. From 52.02 to 52.75m, there is a section with large amounts of lost core, broken core and significant clay fault gouge due to moderate fault. Gradational contact with pG oriented at ~45 TCA. No visible sulphides, non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

50.46 51.96 D0 6698

50.46 52.02 FOL 35 W  
Weak foliation oriented at  
~35 TCA, moderate to  
strongly fractured with  
small sections of blocky  
core due to intersection of

| From                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |    | To     |    | Litho  |                                     | Oxidation Limit                                                                                              |     |                                                                                                                                         |    |     |    |    |    |    |                |      |    |      |       |    |     |       |      |       |                     |     |      |    |        |   |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------|----|--------|-------------------------------------|--------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------|----|-----|----|----|----|----|----------------|------|----|------|-------|----|-----|-------|------|-------|---------------------|-----|------|----|--------|---|--|
| 50.46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    | 55.35  |    | fG     |                                     |                                                                                                              |     |                                                                                                                                         |    |     |    |    |    |    |                |      |    |      |       |    |     |       |      |       |                     |     |      |    |        |   |  |
| Moderately biotite altered fG, with patchy weak chlorite and epidote alteration of biotite grains. Weak calcite + limonite along fracture surfaces. Weak rusty appearance, strongest in margins of fault. Weak foliation oriented at ~35 TCA, moderate to strongly fractured with small sections of blocky core due to intersection of fractures. From 52.02 to 52.75m, there is a section with large amounts of lost core, broken core and significant clay fault gouge due to moderate fault. Gradational contact with pG oriented at ~45 TCA. No visible sulphides, non-magnetic. |    |        |    |        |                                     |                                                                                                              |     |                                                                                                                                         |    |     |    |    |    |    |                |      |    |      |       |    |     |       |      |       |                     |     |      |    |        |   |  |
| STRUCTURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        | ALTERATION                          |                                                                                                              |     |                                                                                                                                         |    |     |    |    |    |    | MINERALIZATION |      |    |      |       |    |     |       |      |       | SAMPLES             |     |      |    |        |   |  |
| From                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | To | Struct | CA | Strain | From                                | To                                                                                                           | INT | SR                                                                                                                                      | CL | SIL | CC | EP | AB | K  | LI             | From | To | CPY% | Style | VG | Min | Min%  | Min2 | M2%   | Min3                | M3% | From | To | Sample |   |  |
| fractures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |                                     |                                                                                                              |     |                                                                                                                                         |    |     |    |    |    |    |                |      |    |      |       |    |     |       |      |       |                     |     |      |    |        |   |  |
| 50.46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    | 55.35  |    | M      |                                     | -                                                                                                            |     | VW                                                                                                                                      |    | -   |    | VW |    | VW |                | -    |    | -    |       | VW |     | 50.46 |      | 55.35 |                     | 0   |      | -  |        | - |  |
| Moderately biotite altered fG, with patchy weak chlorite and epidote alteration of biotite grains. Weak calcite + limonite along fracture surfaces. Weak rusty appearance, strongest in margins of fault.                                                                                                                                                                                                                                                                                                                                                                            |    |        |    |        | No visible sulphides, non-magnetic. |                                                                                                              |     |                                                                                                                                         |    |     |    |    |    |    |                |      |    |      |       |    |     |       |      |       |                     |     |      |    |        |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |        |    |        |                                     |                                                                                                              |     |                                                                                                                                         |    |     |    |    |    |    |                |      |    |      |       |    |     |       |      |       | 51.96 51.96 D0 6699 |     |      |    |        |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |        |    |        |                                     |                                                                                                              |     |                                                                                                                                         |    |     |    |    |    |    |                |      |    |      |       |    |     |       |      |       | 51.96 53.65 D0 6700 |     |      |    |        |   |  |
| 52.02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    | 52.75  |    | FLT    |                                     | Section with large amounts of lost core, broken core and significant clay fault gouge due to moderate fault. |     |                                                                                                                                         |    |     |    |    |    |    |                |      |    |      |       |    |     |       |      |       |                     |     |      |    |        |   |  |
| 52.75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    | 55.34  |    | FOL 35 |                                     | W                                                                                                            |     | Weak foliation oriented at ~35 TCA, moderate to strongly fractured with small sections of blocky core due to intersection of fractures. |    |     |    |    |    |    |                |      |    |      |       |    |     |       |      |       |                     |     |      |    |        |   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |    |        |    |        |                                     |                                                                                                              |     |                                                                                                                                         |    |     |    |    |    |    |                |      |    |      |       |    |     |       |      |       | 53.65 55.35 D0 6701 |     |      |    |        |   |  |
| 55.34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |    | 55.35  |    | CON 45 |                                     | Gradational contact with pG oriented at ~45 TCA.                                                             |     |                                                                                                                                         |    |     |    |    |    |    |                |      |    |      |       |    |     |       |      |       |                     |     |      |    |        |   |  |



| From                                                                                                                                                                                                                                 |       | To     |    | Litho  |                                                                                                                                       | Oxidation Limit |     |    |    |     |    |    |    |   |    |                                                      |       |       |      |       |    |     |      |      |     |         |     |      |    |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|----|--------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----|----|----|-----|----|----|----|---|----|------------------------------------------------------|-------|-------|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| 57.54                                                                                                                                                                                                                                |       | 57.94  |    | Peg    |                                                                                                                                       |                 |     |    |    |     |    |    |    |   |    |                                                      |       |       |      |       |    |     |      |      |     |         |     |      |    |        |
| Pegmatite dyke with very weak k-alteration along grain boundaries, minor calcite + chlorite along fracture surfaces. Unfoliated and moderately fractured. Sharp contact with pG oriented at ~45 TCA. Unmineralized and non-magnetic. |       |        |    |        |                                                                                                                                       |                 |     |    |    |     |    |    |    |   |    |                                                      |       |       |      |       |    |     |      |      |     |         |     |      |    |        |
| STRUCTURES                                                                                                                                                                                                                           |       |        |    |        | ALTERATION                                                                                                                            |                 |     |    |    |     |    |    |    |   |    | MINERALIZATION                                       |       |       |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
| From                                                                                                                                                                                                                                 | To    | Struct | CA | Strain | From                                                                                                                                  | To              | INT | SR | CL | SIL | CC | EP | AB | K | LI |                                                      | From  | To    | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |
| 57.54                                                                                                                                                                                                                                | 57.93 | NA     |    |        |                                                                                                                                       |                 |     |    |    |     |    |    |    |   |    |                                                      | 57.54 | 57.94 | 0    | -     | -  |     |      |      |     |         |     |      |    |        |
| Unfoliated and moderately fractured.                                                                                                                                                                                                 |       |        |    |        | 57.54 57.94 VW - VW - VW - - VW -<br>Very weak k-alteration along grain boundaries, minor calcite + chlorite along fracture surfaces. |                 |     |    |    |     |    |    |    |   |    | 57.54 57.94 0 - -<br>Unmineralized and non-magnetic. |       |       |      |       |    |     |      |      |     |         |     |      |    |        |
| 57.93                                                                                                                                                                                                                                | 57.94 | CON    | 45 |        | 57.93 57.94 CON 45<br>Sharp contact with pG oriented at ~45 TCA.                                                                      |                 |     |    |    |     |    |    |    |   |    |                                                      |       |       |      |       |    |     |      |      |     |         |     |      |    |        |

| From                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | To     |    | Litho  |                                                                                                                                                         | Oxidation Limit |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|----|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----|----|----|-----|----|----|----|---|----------------|--|------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|--|
| 57.94                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       | 73.21  |    | pG     |                                                                                                                                                         |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |
| Moderately biotite altered quartz and k-spar phyric amhibole pG with weak patchy chlorite and epidote replacing mafics. Weak k-alteration insome fracture margins. Minor calcite + limonite along fracture surfaces. Unfoliated and moderate to strongly fractured, with sections of broken or blocky core due to low angle TCA fractures. Intersected by rare aplite veins. Sharp contact with fG along a fracture surface oriented at ~55 TCA. Unmineralized and non-magnetic. |       |        |    |        |                                                                                                                                                         |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |
| STRUCTURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |        |    |        | ALTERATION                                                                                                                                              |                 |     |    |    |     |    |    |    |   | MINERALIZATION |  |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |  |
| From                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | To    | Struct | CA | Strain | From                                                                                                                                                    | To              | INT | SR | CL | SIL | CC | EP | AB | K | LI             |  | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |  |
| 57.94                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 73.20 | NA     |    |        | Unfoliated and moderate to strongly fractured, with sections of broken or blocky core due to low angle TCA fractures. Intersected by rare aplite veins. |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 57.94 | 73.21 | pG    |                 |

Moderately biotite altered quartz and k-spar phyric amhibole pG with weak patchy chlorite and epidote replacing mafics. Weak k-alteration insome fracture margins. Minor calcite + limonite along fracture surfaces. Unfoliated and moderate to strongly fractured, with sections of broken or blocky core due to low angle TCA fractures. Intersected by rare aplite veins. Sharp contact with fG along a fracture surface oriented at ~55 TCA. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

57.9473.21M- VW- VWVW- VWVWModerately biotite altered pG with weak patchy chlorite and epidote replacing mafics. Weak k-alteration insome fracture margins. Minor calcite + limonite along fracture surfaces.

57.9473.210- -Unmineralized and non-magnetic.

70.7172.21D06704

72.2173.21D06705

73.2073.21CON55  
Sharp contact with fG along a fracture surface oriented at ~55 TCA.

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 73.21 | 73.51 | fG    |                 |

Moderately biotite altered fG, with moderate chlorite and k-alteration in fracture margins. Minor calcite + limonite along fracture surfaces. Weak foliation oriented at ~50 TCA, moderately fractured. Irregular contact with pG along a fracture surface. No visible sulphides and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

73.2173.50FOL50W  
Weak foliation oriented at ~50 TCA, moderately fractured.

73.2173.51S- M- VW- - M VWModerately biotite altered fG, with moderate chlorite and k-alteration in fracture margins. Minor calcite + limonite along fracture surfaces.

73.2173.510- -No visible sulphides and non-magnetic.

73.2173.51D06706

| From                                                                                                                                                                                                                                                                                               |    | To     |    | Litho  |            | Oxidation Limit |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------|----|--------|------------|-----------------|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|--|--|--|--|--|
| 73.21                                                                                                                                                                                                                                                                                              |    | 73.51  |    | fG     |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
| Moderately biotite altered fG, with moderate chlorite and k-alteration in fracture margins. Minor calcite + limonite along fracture surfaces. Weak foliation oriented at ~50 TCA, moderately fractured. Irregular contact with pG along a fracture surface. No visible sulphides and non-magnetic. |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
| STRUCTURES                                                                                                                                                                                                                                                                                         |    |        |    |        | ALTERATION |                 |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |  |  |  |  |  |
| From                                                                                                                                                                                                                                                                                               | To | Struct | CA | Strain | From       | To              | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
| 73.50 73.51 CON                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
| Irregular contact with pG along a fracture surface.                                                                                                                                                                                                                                                |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |      |    |      |       |    |     |      |      |     |      |         |      |    |        |  |  |  |  |  |

| From       |       | To     |    | Litho                                               |            | Oxidation Limit |     | (Continued from previous page) |    |     |    |    |    |   |    |  |                |    |      |       |    |     |      |      |     |      |     |      |         |        |  |  |       |       |    |      |
|------------|-------|--------|----|-----------------------------------------------------|------------|-----------------|-----|--------------------------------|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|-----|------|---------|--------|--|--|-------|-------|----|------|
| 73.51      |       | 79.41  |    | pG                                                  |            |                 |     |                                |    |     |    |    |    |   |    |  |                |    |      |       |    |     |      |      |     |      |     |      |         |        |  |  |       |       |    |      |
| STRUCTURES |       |        |    |                                                     | ALTERATION |                 |     |                                |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      |     |      | SAMPLES |        |  |  |       |       |    |      |
| From       | To    | Struct | CA | Strain                                              | From       | To              | INT | SR                             | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3% | From | To      | Sample |  |  |       |       |    |      |
|            |       |        |    |                                                     |            |                 |     |                                |    |     |    |    |    |   |    |  |                |    |      |       |    |     |      |      |     |      |     |      |         |        |  |  | 76.46 | 78.41 | D0 | 6710 |
|            |       |        |    |                                                     |            |                 |     |                                |    |     |    |    |    |   |    |  |                |    |      |       |    |     |      |      |     |      |     |      |         |        |  |  | 78.41 | 79.41 | D0 | 6711 |
| 79.40      | 79.41 | CON    |    | Irregular contact with fG along a fracture surface. |            |                 |     |                                |    |     |    |    |    |   |    |  |                |    |      |       |    |     |      |      |     |      |     |      |         |        |  |  |       |       |    |      |

| From                                                                                                                                                                                                                                                                                                                                |       | To     |    | Litho                                                    |                                                                                                                                                                  | Oxidation Limit |     |    |    |     |    |    |    |   |                                        |       |       |    |      |       |    |     |      |      |         |      |     |      |    |        |       |    |      |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|----|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----|----|----|-----|----|----|----|---|----------------------------------------|-------|-------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|-------|----|------|--|
| 79.41                                                                                                                                                                                                                                                                                                                               |       | 79.92  |    | fG                                                       |                                                                                                                                                                  |                 |     |    |    |     |    |    |    |   |                                        |       |       |    |      |       |    |     |      |      |         |      |     |      |    |        |       |    |      |  |
| Moderately biotite weakly chlorite and epidote altered fG, with chlorite and epidote replacing biotite grains. Minor calcite + limonite along fracture surfaces. Very weak to weak foliation oriented at ~60 TCA, weakly fractured. Sharp contact with a pegmatite dyke oriented at ~35 TCA. No visible sulphides and non-magnetic. |       |        |    |                                                          |                                                                                                                                                                  |                 |     |    |    |     |    |    |    |   |                                        |       |       |    |      |       |    |     |      |      |         |      |     |      |    |        |       |    |      |  |
| STRUCTURES                                                                                                                                                                                                                                                                                                                          |       |        |    |                                                          | ALTERATION                                                                                                                                                       |                 |     |    |    |     |    |    |    |   | MINERALIZATION                         |       |       |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |       |    |      |  |
| From                                                                                                                                                                                                                                                                                                                                | To    | Struct | CA | Strain                                                   | From                                                                                                                                                             | To              | INT | SR | CL | SIL | CC | EP | AB | K | LI                                     |       | From  | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |       |    |      |  |
| 79.41                                                                                                                                                                                                                                                                                                                               | 79.91 | FOL    | 60 | VW                                                       | Very weak to weak foliation oriented at ~60 TCA, weakly fractured.                                                                                               |                 |     |    |    |     |    |    |    |   |                                        |       |       |    |      |       |    |     |      |      |         |      |     |      |    |        |       |    |      |  |
|                                                                                                                                                                                                                                                                                                                                     |       |        |    |                                                          | 79.41                                                                                                                                                            | 79.92           | M   | -  | W  | -   | VW | W  | -  | - | VW                                     | 79.41 | 79.92 | 0  | -    | -     |    |     |      |      |         |      |     |      |    | 79.41  | 79.92 | D0 | 6712 |  |
|                                                                                                                                                                                                                                                                                                                                     |       |        |    |                                                          | Moderately biotite weakly chlorite and epidote altered fG, with chlorite and epidote replacing biotite grains. Minor calcite + limonite along fracture surfaces. |                 |     |    |    |     |    |    |    |   | No visible sulphides and non-magnetic. |       |       |    |      |       |    |     |      |      |         |      |     |      |    |        |       |    |      |  |
| 79.91                                                                                                                                                                                                                                                                                                                               | 79.92 | CON    | 35 | Sharp contact with a pegmatite dyke oriented at ~35 TCA. |                                                                                                                                                                  |                 |     |    |    |     |    |    |    |   |                                        |       |       |    |      |       |    |     |      |      |         |      |     |      |    |        |       |    |      |  |

From

To

Litho

Oxidation Limit

79.9280.48Peg

Aplite cored pegmatite with very weak calcite along fractures and microfractures. Unfoliated and weakly fractured. Sharp contact with pG oriented at ~35 TCA.  
Trace magnetite due to weak magnetism in aplite section, no visible sulphides.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

79.9280.47NA  
Unfoliated and weakly fractured.

|                                                       |       |    |   |   |   |    |   |   |   |   |  |  |  |  |  |                                                                                |       |       |   |   |   |    |      |  |  |  |  |  |       |       |    |      |
|-------------------------------------------------------|-------|----|---|---|---|----|---|---|---|---|--|--|--|--|--|--------------------------------------------------------------------------------|-------|-------|---|---|---|----|------|--|--|--|--|--|-------|-------|----|------|
| 79.92                                                 | 80.48 | VW | - | - | - | VW | - | - | - | - |  |  |  |  |  |                                                                                | 79.92 | 80.48 | 0 | - | - | MG | 0.05 |  |  |  |  |  | 79.92 | 80.48 | D0 | 6713 |
| Very weak calcite along fractures and microfractures. |       |    |   |   |   |    |   |   |   |   |  |  |  |  |  | Trace magnetite due to weak magnetism in aplite section, no visible sulphides. |       |       |   |   |   |    |      |  |  |  |  |  |       |       |    |      |

80.4780.48CON 35  
Sharp contact with pG oriented at ~35 TCA.

From

To

Litho

Oxidation Limit

80.4891.87pG

Moderately biotite, weakly chlorite and very weakly epidote altered quartz phyric amphibole pG, with epidote and chlorite replacing mafics. Very weak k- alteration in some fracture margins. Minor calcite + limonite along fracture surfaces. Unfoliated and moderately fractured, with small sections of blocky core due to low angle TCA fractures. Intersected by occasional aplite and pegmatite veins. Sharp contact with a pegmatite dyke along a fracture oriented at ~55 TCA. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

80.4881.98D06714

80.4891.86NA  
Unfoliated and moderately fractured, with small sections of blocky core due to low angle TCA fractures. Intersected by occasional aplite and pegmatite veins.

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 80.48 | 91.87 | pG    |                 |

Moderately biotite, weakly chlorite and very weakly epidote altered quartz phyric amphibole pG, with epidote and chlorite replacing mafics. Very weak k-alteration in some fracture margins. Minor calcite + limonite along fracture surfaces. Unfoliated and moderately fractured, with small sections of blocky core due to low angle TCA fractures. Intersected by occasional aplite and pegmatite veins. Sharp contact with a pegmatite dyke along a fracture oriented at ~55 TCA. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

|                                                                                                                                                                                                                               |       |   |   |   |   |    |    |   |    |    |  |  |  |  |  |                                        |       |   |   |   |  |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---|---|---|---|----|----|---|----|----|--|--|--|--|--|----------------------------------------|-------|---|---|---|--|--|--|--|--|--|--|--|--|
| 80.48                                                                                                                                                                                                                         | 91.87 | M | - | W | - | VW | VW | - | VW | VW |  |  |  |  |  | 80.48                                  | 91.87 | 0 | - | - |  |  |  |  |  |  |  |  |  |
| <i>Moderately biotite, weakly chlorite and very weakly epidote altered pG, with epidote and chlorite replacing mafics. Very weak k-alteration in some fracture margins. Minor calcite + limonite along fracture surfaces.</i> |       |   |   |   |   |    |    |   |    |    |  |  |  |  |  | <i>Unmineralized and non-magnetic.</i> |       |   |   |   |  |  |  |  |  |  |  |  |  |

91.86    91.87    CON    55  
*Sharp contact with a pegmatite dyke along a fracture oriented at ~55 TCA.*

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 91.87 | 92.34 | Peg   |                 |

Pegmatite dyke with very weak calcite + limonite along fracture surfaces. Unfoliated and weakly fractured. Irregular contact with pG along a fracture surface. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

91.87    92.33    NA  
*Unfoliated and weakly fractured.*

|                                                              |       |    |   |   |   |    |   |   |   |    |  |  |  |  |  |                                        |       |   |   |   |  |  |  |  |  |  |  |  |  |
|--------------------------------------------------------------|-------|----|---|---|---|----|---|---|---|----|--|--|--|--|--|----------------------------------------|-------|---|---|---|--|--|--|--|--|--|--|--|--|
| 91.87                                                        | 92.34 | VW | - | - | - | VW | - | - | - | VW |  |  |  |  |  | 91.87                                  | 92.34 | 0 | - | - |  |  |  |  |  |  |  |  |  |
| <i>Very weak calcite + limonite along fracture surfaces.</i> |       |    |   |   |   |    |   |   |   |    |  |  |  |  |  | <i>Unmineralized and non-magnetic.</i> |       |   |   |   |  |  |  |  |  |  |  |  |  |

92.33    92.34    CON  
*Irregular contact with pG along a fracture surface.*

| From                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | To     | Litho | Oxidation Limit |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|-----------------|
| 92.34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 105.63 | pG    |                 |
| Moderately biotite and weakly epidote altered k-spar and quartz phyric amphibole pG, with very weak patchy chlorite alteration of mafics. Weak k-alteration in occasional fracture margins. Weak calcite + limonite staining along fracture surfaces. Unfoliated and moderately fractured with small sections of blocky core due to low angle TCA fractures. Intersected by occasional aplite and pegmatite veins. Some patches of core have a weak fabric. Irregular contact with fG along a fracture surface. Unmineralized and non-magnetic. |        |       |                 |

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

92.34 105.62 NA  
Unfoliated and moderately fractured with small sections of blocky core due to low angle TCA fractures. Intersected by occasional aplite and pegmatite veins. Some patches of core have a weak fabric.

92.34 105.63 M - VW - VW W - VW VW  
Moderately biotite and weakly epidote altered pG, with very weak patchy chlorite alteration of mafics. Weak k-alteration in occasional fracture margins. Weak calcite + limonite staining along fracture surfaces.

92.34105.63 0 - -  
Unmineralized and non-magnetic.

103.13 104.63 D0 6715  
104.63 105.63 D0 6716

105.62 105.63 CON  
Irregular contact with fG along a fracture surface.

| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 105.63 | 136.61 | fG    |                 |

Moderately biotite altered fG, with weak to moderate chlorite and k-alteration in fracture margins. Small patches of core have occassional garnets. Minor calcite + limonite along fracture surfaces. Calcite also occurring as gouge in fault zones. Occassional small patches of very weak silicification. Weak to moderate foliation oriented at ~50 TCA, contains small sections with variable orientation. Strongly fractured, many of the breaks may be due to drilling. Intersected by occassional pegmatite and quartz veins. There are three fault zones, from 105.63 to 106.25m, from 106.80 to 107.15 and from 116.47 to 118.50m. Irregular contact with pG along a fracture surface. Three zones of mineralization present: from 105.63 to 110.37m: Trace chalcopyrite associated with pyrite. 0.25-0.5% pyrite occurring as disseminated fine grains,with small patches of higher grade. 0.5-1% magnetite due to strong patchy magnetism and a single small patch with blebby magnetite. From 110.37 to 123.62m: Sub-trace chalcopyrite and trace pyrite occur as disseminated fine grains. Trace magnetite due to weak patchy magnetism. After 123.62m: Trace chalcopyrite occurring in association with pyrite. 1-2% pyrite occurring as disseminated fine grains and occassional small blebby clusters. 0.25-0.5% magnetite due to small patches of strong magnetism, and rare small grains.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

105.63 106.25 FLT  
Section of vuggy core followed by crushed and rokencore due to a small fault.

105.63 107.21 D0 6717

105.63110.37 0.05 FG - PY 0.5 MG 0.5  
Trace chalcopyrite associated with pyrite. 0.25-0.5% pyrite occurring as disseminated fine grains,with small patches of higher grade. 0.5-1% magnetite due to strong patchy magnetism and a single small patch with blebby magnetite.

105.63 136.61 M - W VW W - - W VW  
Moderately biotite altered fG, with weak to moderate chlorite and k-alteration in fracture margins. Minor calcite + limonite along fracture surfaces. Calcite also occurring as gouge in fault zones. Occassional small patches of very weak silicification.

106.25 106.80 FOL 55 M  
Moderate foliation oriented at ~55 TCA, moderately fractured with some fractures following foliation.

| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 105.63 | 136.61 | fG    |                 |

(Continued from previous page)

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

106.80 107.15 FLT  
Section of crushed core  
and sandy gouge due to a  
small fault.

107.15 116.47 FOL 45 W  
Weak to moderate foliation  
oriented at 40-50 TCA.  
Moderately fractured,  
intersected by rare  
pegmatite,aplite and quartz  
veins.

|        |        |    |      |
|--------|--------|----|------|
| 107.21 | 107.21 | D0 | 6718 |
| 107.21 | 108.79 | D0 | 6719 |
| 108.79 | 108.79 | D0 | 6720 |
| 108.79 | 110.37 | D0 | 6721 |
| 110.37 | 111.87 | D0 | 6722 |
| 111.87 | 111.87 | D0 | 6723 |
| 111.87 | 113.37 | D0 | 6724 |
| 113.37 | 114.87 | D0 | 6725 |
| 114.87 | 116.37 | D0 | 6726 |
| 116.37 | 117.87 | D0 | 6727 |

110.37 113.62 0.01 FG - PY 0.05 MG0.05  
Sub-trace chalcopyrite and trace pyrite occur as disseminated  
fine grains. Trace magnetite due to weak patchy magnetism.

| From   | To     | Litho | Oxidation Limit | (Continued from previous page) |  |  |  |  |  |  |  |  |  |
|--------|--------|-------|-----------------|--------------------------------|--|--|--|--|--|--|--|--|--|
| 105.63 | 136.61 | fG    |                 |                                |  |  |  |  |  |  |  |  |  |

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |

116.47 118.50 FLT  
Section of highly altered  
core, broken core and  
calcitic gouge due to large  
fault.

117.87 117.87 D0 6728  
117.87 119.37 D0 6729

118.50 136.60 FOL 50 W  
Weak to moderate foliation  
oriented at ~50 TCA,  
contains small sections  
with variable orientation.  
Strongly fractured, many of  
the breaks may be due to  
drilling. Intersected by  
occassional pegmatite and  
quartz veins.

119.37 120.87 D0 6730  
120.87 122.37 D0 6731  
122.37 122.37 D0 6732  
122.37 123.62 D0 6733  
123.62 125.12 D0 6734

123.62136.61 0.05 FG - PY 2 MG0.25  
Trace chalcopyrite occurring in association with pyrite. 1-2%  
pyrite occurring as disseminated fine grains and occassional  
small blebby clusters. 0.25-0.5% magnetite due to small  
patches of strong magnetism, and rare small grains.

125.12 126.61 D0 6735



| From                                                                                                                                                                                                                                                                                                                                                                                                                                                         | To     | Litho | Oxidation Limit |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-------|-----------------|
| 136.61                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 160.93 | pG    |                 |
| Moderately biotite and weakly epidote altered quartz and k-spar phyrlic amphibole pG, with epidote replacing mafics. Weak chlorite and k-alteration in some fracture margins. Weak calcite + limonite along fracture surfaces. Unfoliated and moderately fractured, with a single moderate fracture. Some sections have a weak fabric and are more equigranular. Intersected by occassional pegmatite veins. Unmineralized and non-magnetic. EOH at 160.93m. |        |       |                 |

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

|                                                                                                                                                                               |        |    |  |  |                                                                                                                                                                                            |        |   |   |    |   |    |   |   |    |                                 |        |        |   |   |   |  |  |  |  |  |  |  |        |        |    |      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---|---|----|---|----|---|---|----|---------------------------------|--------|--------|---|---|---|--|--|--|--|--|--|--|--------|--------|----|------|
| 136.61                                                                                                                                                                        | 160.93 | NA |  |  | 136.61                                                                                                                                                                                     | 160.93 | M | - | VW | - | VW | W | - | VW | VW                              | 136.61 | 160.93 | 0 | - | - |  |  |  |  |  |  |  | 136.61 | 137.61 | D0 | 6746 |
| Unfoliated and moderately fractured, with a single moderate fracture. Some sections have a weak fabric and are more equigranular. Intersected by occassional pegmatite veins. |        |    |  |  | Moderately biotite and weakly epidote altered pG, with epidote replacing mafics. Weak chlorite and k-alteration in some fracture margins. Weak calcite + limonite along fracture surfaces. |        |   |   |    |   |    |   |   |    | Unmineralized and non-magnetic. |        |        |   |   |   |  |  |  |  |  |  |  | 137.61 | 139.11 | D0 | 6747 |

TITLE PAGE

|                                                    |                  |                                |             |         |          |
|----------------------------------------------------|------------------|--------------------------------|-------------|---------|----------|
| Hole ID                                            | 07SWC210         | Zone                           | IROD        |         |          |
| Section                                            | UNKNOWN          | Easting                        | 383528.9795 | Source  | Surveyor |
| Site                                               | Land             | Northing                       | 6944503.319 | Azimuth | 0        |
| Length                                             | 185.32m          | Elevation                      | 891.80876   | Dip     | -90      |
|                                                    |                  | Grid                           | UTM NAD83   |         |          |
| Logged by                                          | Taras Nahnybida  | Day Started                    | 16-Jul-07   |         |          |
| Logger #2                                          | NONE             | Day Finished                   | 18-Jul-07   |         |          |
| Geotechnician                                      | Kantcho Kantchev | Log Completed                  | 18-Jul-07   |         |          |
| Geotechnician #2                                   | NONE             | Last Updated                   |             |         |          |
| Geotech Type                                       | SRK              | DIP TESTS (other than Maxibor) |             |         |          |
|                                                    |                  | Depth                          | Azimuth     | Dip     | Type     |
|                                                    |                  | 170.01                         | 0.00        | -88.00  | AT       |
| Available Analyses: Au-AA Yes ICP Yes Total Cu Yes |                  |                                |             |         |          |
| Au-MET No Cu NS Yes                                |                  |                                |             |         |          |

Summary

IROD exploration hole testing magnetic/IP anamolies.  
No significant mineralized foliated granodiorite zones where intersected.

Signature:

Drill Log  
IROD

Signature: \_\_\_\_\_

Initials: \_\_\_\_\_

07SWC210

| From | To   | Litho | Oxidation Limit |
|------|------|-------|-----------------|
| 0.00 | 1.52 | Ob    |                 |

Overburden.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

0.001.52NA0.001.52-- -- -- -- --0.001.520-- --

| From | To    | Litho | Oxidation Limit |
|------|-------|-------|-----------------|
| 1.52 | 29.22 | pG    |                 |

Weathered kspar phyrlic bt+amp p.g. Chlorite alteration of mafics. Minor epidote associated with bt (+rare veins or along micro-fractures). Pink-orange fractre-controlled k-alteration. Rock has a light rusty appearance. Limonite or hmt (+cc) along fracture planes. Rock has a pitted/textured appearance in areas due to preferential weathering of bt. Unfoliated. Rock is moderately fractured and has a faint patchy fabric. Slickenlines observed along rare fracture planes. Fault between 16.10-18m with broken/crushed core (+segments of intact core) along with limonite+cc+clay. Unmineralized and non-magnetic. Unit intersected by occasional pegmatite veins, and a single aplite vein.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

1.5216.10NA  
Unfoliated. Rock is moderately fractured and has a faint patchy fabric.

1.5229.22M--W--WVW--W--  
Weathered p.g. Chlorite alteration of mafics. Minor epidote associated with bt (+rare veins or along micro-fractures). Pink-orange fractre-controlled k-alteration. Rock has a light rusty appearance. Limonite or hmt (+cc) along fracture planes. Rock has a pitted/textured appearance in areas due to preferential weathering of bt.

1.5229.220-- --  
Unmineralized and non-magnetic.

| From | To    | Litho | Oxidation Limit | (Continued from previous page) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------|-------|-------|-----------------|--------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 1.52 | 29.22 | pG    |                 |                                |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

16.10 18.00 FLT  
Fault with broken/crushed  
core (+segments of intact  
core) along with  
limonite+cc+clay.

18.00 29.21 NA  
Unfoliated. Rock is  
moderately fractured and  
has a faint patchy fabric.  
Slickenlines observed  
along rare fracture planes.

26.72 28.22 D0 21305  
28.22 29.22 D0 21306

29.21 29.22 CON  
Gradational irregular  
contact with f.g. (fabric  
picks up in intensity  
towards the lower contact).

| From | To | Litho | Oxidation Limit |
|------|----|-------|-----------------|
|------|----|-------|-----------------|

29.22 66.14 fG

Mod to strong bt-altered and weathered grt-bearing f.g. Shreddy bt-alteration. Rock has a rusty appearance and is vuggy (felsic dissolution). Preferential weathering of bt in areas gives the rock a pitted/textured appearance. Weak chlorite alteration of bt. Limonite or hmt (+cc) along fractures or diffuse throughout the rock. Weak pink-orange fracture-controlled k-alteration. Fine to coarse anhedral garnet predominantly associated with bt; commonly observed to be surrounded (being replaced?) by shreddy bt. Weak to moderate inconsistent foliaiton oriented at ~40-55 TCA (short segments of stronger foliation). Moderately to highly fractured with segments of broken core; rock to the margins of some fractures is rotten and incoherent. Weak SSF. Between 45.80-47.89m, moderate SSF of the foliation (angle TCA varies) along with segments of broken core. Irregular gradational contact with p.g. 0.01-0.25% patchy specks/disseminations of pyrite (some rusty pyrite or concentrated in vuggy regions). Trace 0.05% mgt. Epidote intergrown/associated with pyrite. Unit intersected by occasional pegmatite and aplite veins. Sliver of p.g. centered at 44.15m.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

29.22 30.47 D0 21307

29.22 40.47 0 - - PY 0.01 MG0.05  
Sub-trace 0.01% specks of pyrite. 0.05% mgt.

29.22 45.80 FOL 45 M  
Weak to mod inconsistent  
foliation oriented between  
40-55 TCA; moderately  
fractured.

29.22 66.14 M - W - M W - W S  
Mod to strong bt-altered and weathered f.g. Shreddy bt-alteration.  
Rock has a rusty appearance and is vuggy (felsic dissolution).  
Preferential weathering of bt in areas gives the rock a  
pitted/textured appearance. Weak chlorite alteration of bt. Limonite  
or hmt (+cc) along fractures or diffuse throughout the rock. Weak  
pink-orange fracture-controlled k-alteration. Fine to coarse anhedral  
garnet predominantly associated with bt; commonly observed to be  
surrounded (being replaced?) by shreddy bt.

30.47 32.47 D0 21308  
32.47 34.47 D0 21309  
34.47 36.47 D0 21310  
36.47 36.47 D0 21311  
36.47 38.47 D0 21312





| From                                                                                                                                                                                                                                                                                                                                                                                                      |    | To     |    | Litho  |            | Oxidation Limit |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------|----|--------|------------|-----------------|-----|----|----|-----|----|----|----|---|----------------|--|------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 66.14                                                                                                                                                                                                                                                                                                                                                                                                     |    | 81.43  |    | pG     |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Weak chl-epidote altered kspar phyric bt+amp p.g. Chlorite alteration of mafics. Epidote replacing bt and amphibole. Minor pale pink fracture-controlled or patchy k-alteration (slightly elevated between 78-78.64m). Moderate limonite+cc along fracture planes. Rare epidote veining. Unfoliated and moderately fractured. Sharp contact with f.g. oriented at 70 TCA. Unmineralized and non-magnetic. |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| STRUCTURES                                                                                                                                                                                                                                                                                                                                                                                                |    |        |    |        | ALTERATION |                 |     |    |    |     |    |    |    |   | MINERALIZATION |  |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| From                                                                                                                                                                                                                                                                                                                                                                                                      | To | Struct | CA | Strain | From       | To              | INT | SR | CL | SIL | CC | EP | AB | K | LI             |  | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                           |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 81.43 | 91.20 | fG    |                 |

Mod bt-altered grt-bearing f.g. Weak to mod chlorite alteration of bt. Minor pale pink fracture-controlled k-alteration. Fine-grained epidote replacing bt. Limonite+cc along some fractures. Weakly silicified. Rare calcite and epidote veins. After 88.97m, increased chloritization of bt and sustained pink-orange k-alteration.Weak to moderate foliation oriented between 40-65 TCA; minor SSF and moderately fractured. Broken core between 85.47-86.52m (+vuggy appearance due to felsic dissolution and stronger shreddy bt-alteration). Contact with andesite dike along a small fault. No visible sulfides. 0.05% trace mgt. Unit intersected by occasional pegmatite veins (irregular and more frequent after 88.97m); diffuse aplite veining between 86.85-87.30m.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

81.43 82.05 FOL 60 M

Moderate foliation oriented  
between 60-65 TCA.

81.43 82.20 D0 21338

81.43 88.97 M - M W W M - VW W

Mod bt-altered f.g. Weak to mod chlorite alteration of bt. Minor pale pink fracture-controlled k-alteration. Fine-grained epidote replacing bt. Limonite+cc along some fractures. Weakly silicified. Rare calcite veins.

81.43 91.20 0 - - MG 0.05  
No visible sulfides. 0.05% trace mgt.

82.05 83.35 FOL 25 M

Foliation shallows to 20-30  
TCA.

82.20 83.70 D0 21339

83.35 85.47 FOL 60 M

Moderate foliation oriented  
betwn 60-65 TCA; minor  
SSF and moderately  
fractured.

83.70 83.70 D0 21340

83.70 85.20 D0 21341

85.20 85.20 D0 21342

| From       | To | Litho  | Oxidation Limit | (Continued from previous page) |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|------------|----|--------|-----------------|--------------------------------|------------|----|-----|----|----|-----|----|----|----|---|----|--|------|----------------|------|-------|----|-----|------|------|-----|------|-----|---------|----|--------|--|--|--|--|--|--|--|--|--|--|--|--|
| 81.43      |    |        |                 |                                | 91.20      |    |     |    |    | fG  |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
| STRUCTURES |    |        |                 |                                | ALTERATION |    |     |    |    |     |    |    |    |   |    |  |      | MINERALIZATION |      |       |    |     |      |      |     |      |     | SAMPLES |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
| From       | To | Struct | CA              | Strain                         | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From | To             | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3% | From    | To | Sample |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |
|            |    |        |                 |                                |            |    |     |    |    |     |    |    |    |   |    |  |      |                |      |       |    |     |      |      |     |      |     |         |    |        |  |  |  |  |  |  |  |  |  |  |  |  |

| From                                                                                                                                                                                      | To    | Litho  | Oxidation Limit |        |            |    |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |       |        |    |       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|-----------------|--------|------------|----|-----|----|----|-----|----|----|----|---|----------------|--|------|----|------|-------|----|-----|------|------|---------|------|-----|------|-------|--------|----|-------|
| 91.20                                                                                                                                                                                     | 91.57 | And    |                 |        |            |    |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |       |        |    |       |
| Andesite dike. Small fault with broken core and chl+cc+clay gouge at the upper contact. Sharp contact with f.g. oriented at 60 TCA. Strongly chloritized. Unmineralized and non-magnetic. |       |        |                 |        |            |    |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      |       |        |    |       |
| STRUCTURES                                                                                                                                                                                |       |        |                 |        | ALTERATION |    |     |    |    |     |    |    |    |   | MINERALIZATION |  |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |       |        |    |       |
| From                                                                                                                                                                                      | To    | Struct | CA              | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI             |  | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To    | Sample |    |       |
|                                                                                                                                                                                           |       |        |                 |        |            |    |     |    |    |     |    |    |    |   |                |  |      |    |      |       |    |     |      |      |         |      |     |      | 91.20 | 91.20  | D0 | 21347 |

From

To

Litho

Oxidation Limit

91.20 91.57 And

Andesite dike. Small fault with broken core and chl+cc+clay gouge at the upper contact. Sharp contact with f.g. oriented at 60 TCA. Strongly chloritized. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

91.20 91.30 FLT

Small fault with broken core and chl+cc+clay gouge.

91.20 91.57 S - S - - W - - -  
Strongly chloritized.

91.20 91.57 0 - -  
Unmineralized and non-magnetic.

91.20 91.57 D0 21348

91.30 91.56 NA

91.56 91.57 CON 60  
Sharp contact with f.g. oriented at 60 TCA.

From

To

Litho

Oxidation Limit

91.57 101.14 fG

Mod to strong bt-chl-kspar altered f.g. Minor grt and amphibole. Chlorite alteration of bt. Patchy or fracture-controlled pink k-alteration. Limonite+cc along some fractures. Weakly silicified. Fine-grained epidote replacing bt. Strong bands of shreddy bt-alteration associated with fine-grained epidote between 97.58-98.19m. Weak to moderate inconsistent foliation oriented between 40-50 TCA; moderately fractured with rare short segments of broken core. Gradational contact with p.g. oriented at ~40 TCA. No visible sulfides. 0.05% mgt (locally up to 0.5% associated with shreddy bt bands between 97.58-98.19m). Unit intersected by a rare pegmatite veins. Calcite along micro-fractures.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

91.57 92.14 D0 21349

91.57 97.58 M - M W W W - M W  
Mod to strong bt-chl-kspar altered f.g. Chlorite alteration of bt. Patchy or fracture-controlled pink k-alteration. Limonite+cc along some fractures. Weakly silicified. Fine-grained epidote replacing bt.

| From  | To     | Litho | Oxidation Limit |
|-------|--------|-------|-----------------|
| 91.57 | 101.14 | fG    |                 |

Mod to strong bt-chl-kspar altered f.g. Minor grt and amphibole. Chlorite alteration of bt. Patchy or fracture-controlled pink k-alteration. Limonite+cc along some fractures. Weakly silicified. Fine-grained epidote replacing bt. Strong bands of shreddy bt-alteration associated with fine-grained epidote between 97.58-98.19m. Weak to moderate inconsistent foliation oriented between 40-50 TCA; moderately fractured with rare short segments of broken core. Gradational contact with p.g. oriented at ~40 TCA. No visible sulfides. 0.05% mgt (locally up to 0.5% associated with shreddy bt bands between 97.58-98.19m). Unit intersected by a rare pegmatite veins. Calcite along micro-fractures.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |

91.57 101.13 FOL 45 M  
Weak to moderate  
inconsistent foliation  
oriented between 40-50  
TCA; moderately fractured  
with rare short segments of  
broken core.

91.57101.14 0 - - MG 0.05  
No visible sulfides. 0.05% mgt (locally up to 0.5% associated  
with shreddy bt bands between 97.58-98.19m).

|       |       |    |       |
|-------|-------|----|-------|
| 92.14 | 93.64 | D0 | 21350 |
| 93.64 | 95.14 | D0 | 21351 |
| 95.14 | 95.14 | D0 | 21352 |
| 95.14 | 96.64 | D0 | 21353 |
| 96.64 | 98.14 | D0 | 21354 |
| 98.14 | 99.64 | D0 | 21355 |

97.58 98.19 S - - - - M - - -  
Strong bands of shreddy bt-alteration associated with fine-grained  
epidote.

98.19 101.14 M - M W W W - VW -  
Mod to strong bt-chl alteration; weakly silicified. Fine-grained  
epidote replacing bt.



| From                                                                                                                                                                                    |        | To     |    | Litho  |            | Oxidation Limit |        |                                                    |    |     |    |    |    |   |                |        |        |      |       |    |     |      |      |     |         |     |      |    |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|----|--------|------------|-----------------|--------|----------------------------------------------------|----|-----|----|----|----|---|----------------|--------|--------|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| 111.82                                                                                                                                                                                  |        | 112.46 |    | Peg    |            |                 |        |                                                    |    |     |    |    |    |   |                |        |        |      |       |    |     |      |      |     |         |     |      |    |        |
| Qtz-kspar-plag-bt pegmatite dike. Elongate bt. Sharp contact with p.g. oriented at 40 TCA. Unmineralized. 0.05% trace isolated grains of mgt. Weak myrmekitic and granophyric textures. |        |        |    |        |            |                 |        |                                                    |    |     |    |    |    |   |                |        |        |      |       |    |     |      |      |     |         |     |      |    |        |
| STRUCTURES                                                                                                                                                                              |        |        |    |        | ALTERATION |                 |        |                                                    |    |     |    |    |    |   | MINERALIZATION |        |        |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
| From                                                                                                                                                                                    | To     | Struct | CA | Strain | From       | To              | INT    | SR                                                 | CL | SIL | CC | EP | AB | K | LI             | From   | To     | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |
| 111.82                                                                                                                                                                                  | 112.45 | NA     |    |        |            | 111.82          | 112.46 | -                                                  | -  | -   | -  | -  | -  | - | -              | 111.82 | 112.46 | 0    | -     | -  | MG  | 0.05 |      |     |         |     |      |    |        |
|                                                                                                                                                                                         |        |        |    |        |            |                 |        | Unmineralized. 0.05% trace isolated grains of mgt. |    |     |    |    |    |   |                |        |        |      |       |    |     |      |      |     |         |     |      |    |        |
| 112.45                                                                                                                                                                                  | 112.46 | CON 40 |    |        |            |                 |        |                                                    |    |     |    |    |    |   |                |        |        |      |       |    |     |      |      |     |         |     |      |    |        |
| Sharp contact with p.g. oriented at 40 TCA.                                                                                                                                             |        |        |    |        |            |                 |        |                                                    |    |     |    |    |    |   |                |        |        |      |       |    |     |      |      |     |         |     |      |    |        |

From

To

Litho

Oxidation Limit

112.46

115.41

pG

Weak chl-epidote altered faintly kspar phyric p.g. Texturally the rock is almost equigranular. Chlorite alteration of mafics. Epidote replacing bt. Calcite along fractures/micro-fractures. Minor pale pink fracture-controlled k-alteration. Unfoliated and moderately fractured. Sharp contact with f.g. oriented at 60 TCA along a fracture. Unmineralized and non-magnetic. Single aplite vein at the upper contact.

| STRUCTURES                           |        |        |    |        | ALTERATION                                                                                                                                                                    |        |     |    |    |     |    |    |    |    |    | MINERALIZATION                  |        |      |       |    |     |      |      |     |      |     | SAMPLES |    |        |  |
|--------------------------------------|--------|--------|----|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----|----|----|-----|----|----|----|----|----|---------------------------------|--------|------|-------|----|-----|------|------|-----|------|-----|---------|----|--------|--|
| From                                 | To     | Struct | CA | Strain | From                                                                                                                                                                          | To     | INT | SR | CL | SIL | CC | EP | AB | K  | LI | From                            | To     | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3% | From    | To | Sample |  |
| 112.46                               | 115.40 | NA     |    |        | 112.46                                                                                                                                                                        | 115.41 | W   | -  | W  | -   | W  | W  | -  | VW | -  | 112.46                          | 115.41 | 0    | -     | -  |     |      |      |     |      |     |         |    |        |  |
| Unfoliated and moderately fractured. |        |        |    |        | Weak chl-epidote altered p.g. Chlorite alteration of mafics. Epidote replacing bt. Calcite along fractures/micro-fractures. Minor pale pink fracture-controlled k-alteration. |        |     |    |    |     |    |    |    |    |    | Unmineralized and non-magnetic. |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |
|                                      |        |        |    |        |                                                                                                                                                                               |        |     |    |    |     |    |    |    |    |    |                                 |        |      |       |    |     |      |      |     |      |     |         |    |        |  |

| From   | To     | Litho | Oxidation Limit | (Continued from previous page) |  |  |  |  |  |  |  |  |  |
|--------|--------|-------|-----------------|--------------------------------|--|--|--|--|--|--|--|--|--|
| 112.46 | 115.41 | pG    |                 |                                |  |  |  |  |  |  |  |  |  |

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |

115.40 115.41 CON 60  
Sharp contact with f.g.  
oriented at 60 TCA along a  
fracture.

| From   | To     | Litho | Oxidation Limit |  |  |  |  |  |  |  |  |  |  |
|--------|--------|-------|-----------------|--|--|--|--|--|--|--|--|--|--|
| 115.41 | 145.25 | fG    |                 |  |  |  |  |  |  |  |  |  |  |

Mod to strong bt-chl altered amp-bearing f.g. Trace grt. Chlorite alteration of mafics. Minor faded pink fracture-controlled k-alteration. Fine-grained epidote replacing bt. Rock is weathered and bleached out over short bands due to weathering of chlorite. Chl+hmt+cc along fracture planes. Rare calcite or chlorite veining or along micro-fractures. Very weakly silicified near the top of the unit. Between 128.70-139.40m, strongly chloritized and sustained k-alteration (faded pink-orange);foliation obscured by this alteration. Rock has a bleached out apperance due to subsequent weathering of chlorite. Strong calcite along micro-fractures, fractures, and rare bands. Hmt along micro-fractures. Moderate foliation oriented between 40-55 TCA; moderately fractured with rare short sections of broken core. Minor SSF. Sharp contact with p.g. oriented at 50 TCA. No visible sulfides (+0.05% mgt) with the exception of sub-trace 0.01% patchy specks of pyr and cpy between 128.70-139.40m) along with 0.1-0.5% grains of hematized mgt. Unit intersected by occasional pegmatite veins.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

|                                                                                                                         |        |     |    |   |                                                                                                                                                                                                                                                                                                                                                                                         |        |   |   |   |    |   |   |   |    |                                 |        |        |   |   |   |        |        |    |       |  |  |
|-------------------------------------------------------------------------------------------------------------------------|--------|-----|----|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---|---|---|----|---|---|---|----|---------------------------------|--------|--------|---|---|---|--------|--------|----|-------|--|--|
|                                                                                                                         |        |     |    |   |                                                                                                                                                                                                                                                                                                                                                                                         |        |   |   |   |    |   |   |   |    |                                 |        |        |   |   |   | 115.41 | 116.70 | D0 | 21362 |  |  |
| 115.41                                                                                                                  | 128.70 | FOL | 45 | M | 115.41                                                                                                                                                                                                                                                                                                                                                                                  | 128.70 | M | - | M | VW | W | W | - | VW | -                               | 115.41 | 128.70 | 0 | - | - | MG     | 0.05   |    |       |  |  |
| Moderate foliation oriented between 40-55 TCA; moderately fractured with rare short sections of broken core. Minor SSF. |        |     |    |   | Mod to strong bt-chl altered f.g. Chlorite alteration of mafics. Minor faded pink fracture-controlled k-alteration. Fine-grained epidote replacing bt. Rock is weathered and bleached out over short bands due to weathering of chlorite. Chl+hmt+cc along fracture planes. Rare calcite or chlorite veining or along micro-fractures. Very weakly silicified near the top of the unit. |        |   |   |   |    |   |   |   |    | No visible sulfides. 0.05% mgt. |        |        |   |   |   |        |        |    |       |  |  |
|                                                                                                                         |        |     |    |   |                                                                                                                                                                                                                                                                                                                                                                                         |        |   |   |   |    |   |   |   |    |                                 |        |        |   |   |   | 116.70 | 116.70 | D0 | 21363 |  |  |
|                                                                                                                         |        |     |    |   |                                                                                                                                                                                                                                                                                                                                                                                         |        |   |   |   |    |   |   |   |    |                                 |        |        |   |   |   | 116.70 | 118.70 | D0 | 21364 |  |  |
|                                                                                                                         |        |     |    |   |                                                                                                                                                                                                                                                                                                                                                                                         |        |   |   |   |    |   |   |   |    |                                 |        |        |   |   |   | 118.70 | 120.70 | D0 | 21365 |  |  |





| From                                                                                                                                                                                                                                                                                                                                                                                                        |        | To     |    | Litho  |                                                                                                                                                                                 | Oxidation Limit |     |    |    |     |    |    |    |   |                                 |        |        |      |       |    |     |      |      |     |                        |     |      |    |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|----|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----|----|----|-----|----|----|----|---|---------------------------------|--------|--------|------|-------|----|-----|------|------|-----|------------------------|-----|------|----|--------|
| 145.25                                                                                                                                                                                                                                                                                                                                                                                                      |        | 154.88 |    | pG     |                                                                                                                                                                                 |                 |     |    |    |     |    |    |    |   |                                 |        |        |      |       |    |     |      |      |     |                        |     |      |    |        |
| Weak chl-epidote altered kspar phyric bt+amp p.g. Chlorite alteration of mafics. Epidote replacing bt. Calcite or epidote along rare micro-fractures. Very weak calcite along some fracture planes. Unfoliated; rock has a faint patchy fabric. Sharp contact with pegmatite dike oriented at 60 TCA partially along a fracture. Unmineralized and non-magnetic. Unit intersected by two thin aplite veins. |        |        |    |        |                                                                                                                                                                                 |                 |     |    |    |     |    |    |    |   |                                 |        |        |      |       |    |     |      |      |     |                        |     |      |    |        |
| STRUCTURES                                                                                                                                                                                                                                                                                                                                                                                                  |        |        |    |        | ALTERATION                                                                                                                                                                      |                 |     |    |    |     |    |    |    |   | MINERALIZATION                  |        |        |      |       |    |     |      |      |     | SAMPLES                |     |      |    |        |
| From                                                                                                                                                                                                                                                                                                                                                                                                        | To     | Struct | CA | Strain | From                                                                                                                                                                            | To              | INT | SR | CL | SIL | CC | EP | AB | K | LI                              | From   | To     | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3                   | M3% | From | To | Sample |
| 145.25                                                                                                                                                                                                                                                                                                                                                                                                      | 154.87 | NA     |    |        |                                                                                                                                                                                 |                 |     |    |    |     |    |    |    |   |                                 | 145.25 | 154.88 | 0    | -     | -  |     |      |      |     |                        |     |      |    |        |
| Unfoliated; rock has a faint patchy fabric.                                                                                                                                                                                                                                                                                                                                                                 |        |        |    |        | Weak chl-epidote altered p.g. Chlorite alteration of mafics. Epidote replacing bt. Calcite or epidote along rare micro-fractures. Very weak calcite along some fracture planes. |                 |     |    |    |     |    |    |    |   | Unmineralized and non-magnetic. |        |        |      |       |    |     |      |      |     |                        |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |    |        |                                                                                                                                                                                 |                 |     |    |    |     |    |    |    |   |                                 |        |        |      |       |    |     |      |      |     | 146.25 147.75 D0 21386 |     |      |    |        |
| 154.87                                                                                                                                                                                                                                                                                                                                                                                                      | 154.88 | CON    | 60 |        |                                                                                                                                                                                 |                 |     |    |    |     |    |    |    |   |                                 |        |        |      |       |    |     |      |      |     |                        |     |      |    |        |
| Sharp contact with pegmatite dike oriented at 60 TCA partially along a fracture.                                                                                                                                                                                                                                                                                                                            |        |        |    |        |                                                                                                                                                                                 |                 |     |    |    |     |    |    |    |   |                                 |        |        |      |       |    |     |      |      |     |                        |     |      |    |        |

| From                                                                                                                                                                                                                                                      |        | To     |        | Litho  |            | Oxidation Limit |     |    |    |     |    |    |    |   |                                                    |  |        |        |      |       |    |     |      |      |         |      |     |      |    |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|------------|-----------------|-----|----|----|-----|----|----|----|---|----------------------------------------------------|--|--------|--------|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| 154.88                                                                                                                                                                                                                                                    |        | 155.51 |        | Peg    |            |                 |     |    |    |     |    |    |    |   |                                                    |  |        |        |      |       |    |     |      |      |         |      |     |      |    |        |
| Qtz-kspar-plag-bt pegmatite dike. Elongate and chloritized bt. Quartz veining towards the lower contact associated with epidote alteration selvages. Moderately fractured. Irregular contact with e.g. Unmineralized. Trace 0.05% isolated grains of mgt. |        |        |        |        |            |                 |     |    |    |     |    |    |    |   |                                                    |  |        |        |      |       |    |     |      |      |         |      |     |      |    |        |
| STRUCTURES                                                                                                                                                                                                                                                |        |        |        |        | ALTERATION |                 |     |    |    |     |    |    |    |   | MINERALIZATION                                     |  |        |        |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
| From                                                                                                                                                                                                                                                      | To     | Struct | CA     | Strain | From       | To              | INT | SR | CL | SIL | CC | EP | AB | K | LI                                                 |  | From   | To     | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |
| 154.88                                                                                                                                                                                                                                                    | 155.50 | FR     |        | M      |            |                 |     |    |    |     |    |    |    |   |                                                    |  | 154.88 | 155.51 | 0    | -     | -  | MG  | 0.05 |      |         |      |     |      |    |        |
| Moderately fractured.                                                                                                                                                                                                                                     |        |        |        |        |            |                 |     |    |    |     |    |    |    |   | Unmineralized. Trace 0.05% isolated grains of mgt. |  |        |        |      |       |    |     |      |      |         |      |     |      |    |        |
|                                                                                                                                                                                                                                                           |        | 154.88 | 155.51 |        |            |                 |     |    |    |     |    |    |    |   |                                                    |  |        |        |      |       |    |     |      |      |         |      |     |      |    |        |
|                                                                                                                                                                                                                                                           |        |        |        |        |            |                 |     |    |    |     |    |    |    |   |                                                    |  |        |        |      |       |    |     |      |      |         |      |     |      |    |        |

| From   | To     | Litho | Oxidation Limit | (Continued from previous page) |  |  |  |  |  |  |  |  |  |
|--------|--------|-------|-----------------|--------------------------------|--|--|--|--|--|--|--|--|--|
| 154.88 | 155.51 | Peg   |                 |                                |  |  |  |  |  |  |  |  |  |

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

155.50 155.51 CON  
Irregular contact with e.g.

| From   | To     | Litho | Oxidation Limit |  |  |  |  |  |  |  |  |  |  |
|--------|--------|-------|-----------------|--|--|--|--|--|--|--|--|--|--|
| 155.51 | 160.57 | eG    |                 |  |  |  |  |  |  |  |  |  |  |

Weak to mod bt-epidote altered e.g. Minor chlorite alteration of mafics. Epidote replacing bt (+veining). Very weak pale pink fracture/vein-controlled k-alteration.  
Weak calcite. Patchy shreddy bt-alteration. Rock has a faint fabric and is moderately fractured. Sharp contact with f.g. oriented at 60 TCA along a fracture.  
Trace 0.05% pyrite associated with epidote. Trace 0.05% mgt associated with shreddy bt. Unit intersected by a single pegmatite vein.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

155.51 157.51 D0 21387

155.51 160.56 NA  
Rock has a faint fabric and is moderately fractured.

155.51 160.57 M - VW - W M - VW - 155.51160.57 0 - - PY 0.05 MG0.05  
Weak to mod bt-epidote altered e.g. Minor chlorite alteration of mafics. Epidote replacing bt (+veining). Very weak pale pink fracture/vein-controlled k-alteration. Weak calcite. Patchy shreddy bt-alteration. Trace 0.05% pyrite associated with epidote. Trace 0.05% mgt associated with shreddy bt.

157.51 159.51 D0 21388

159.51 160.57 D0 21389

160.56 160.57 CON 60  
Sharp contact with f.g. oriented at 60 TCA along a fracture.

**07SWC210**

Initials:

| From | To | Litho | Oxidation Limit |
|------|----|-------|-----------------|
|------|----|-------|-----------------|

**160.57      161.57      fG**

Mod bt-altered f.g. Very weak chlorite alteration of bt. Fine-grained epidote replacing bt (+rare thin veinlets). Very weakly silicified. Minor chlorite along fractures. Moderate crenulated foliation oriented at ~60 TCA. Sharp contact with e.g. oriented at 60 TCA. No visible sulfides. 0.05% mgt.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

160.57 161.56 FOL 60 M

Moderate crenulated  
foliation oriented at ~60  
TCA.

|        |        |   |   |    |    |    |   |   |   |   |
|--------|--------|---|---|----|----|----|---|---|---|---|
| 160.57 | 161.57 | M | - | VW | VW | VW | W | - | - | - |
|--------|--------|---|---|----|----|----|---|---|---|---|

*Mod bt-altered f.g. Very weak chlorite alteration of bt. Fine-grained epidote replacing bt (+rare thin veinlets). Very weakly silicified. Minor chlorite along fractures.*

160.57 61.57 0 - - MG 0.05

No visible sulfides. 0.05% mgt.

161.56 161.57 CON 60

*Sharp contact with e.g.  
oriented at 60 TCA.*

| From | To | Litho | Oxidation Limit |
|------|----|-------|-----------------|
|------|----|-------|-----------------|

**161.57      175.79      eG**

Weak chl-epidote altered bt+amp (amp-rich) e.g. Rare kspar phenos. Weak chlorite alteration of mafics. Epidote replacing bt. Minor pale pink-orange fracture/vein-controlled k-alteration. Calcite or chlorite veining (+along micro-fractures). Rare bands of bt-alteration. Weak chlorite, hmt, or epidote (+cc) along some fracture planes. Rock has a very faint fabric. Sharp contact with pegmatite dike oriented at 60 TCA along a fracture. Unit intersected by rare pegmatite veins. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

|        |        |           |       |
|--------|--------|-----------|-------|
| 161.57 | 161.57 | <i>D0</i> | 21391 |
|--------|--------|-----------|-------|

|        |        |           |       |
|--------|--------|-----------|-------|
| 161.57 | 162.57 | <i>D0</i> | 21392 |
|--------|--------|-----------|-------|

161.57 175.78 NA

*Rock has a very faint fabric.*

| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 161.57 | 175.79 | eG    |                 |

Weak chl-epidote altered bt+amp (amp-rich) e.g. Rare kspar phenos. Weak chlorite alteration of mafics. Epidote replacing bt. Minor pale pink-orange fracture/vein-controlled k-alteration. Calcite or chlorite veining (+along micro-fractures). Rare bands of bt-alteration. Weak chlorite, hmt, or epidote (+cc) along some fracture planes. Rock has a very faint fabric. Sharp contact with pegmatite dike oriented at 60 TCA along a fracture. Unit intersected by rare pegmatite veins. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

161.57175.79W - W - VWW - VW -

Weak chl-epidote altered e.g. Weak chlorite alteration of mafics. Epidote replacing bt. Minor pale pink-orange fracture/vein-controlled k-alteration. Calcite or chlorite veining (+along micro-fractures). Rare bands of bt-alteration. Weak chlorite, hmt, or epidote (+cc) along some fracture planes.

161.57175.790 - -

Unmineralized and non-magnetic.

162.57164.07D021393

175.78175.79CON 60

Sharp contact with pegmatite dike oriented at 60 TCA along a fracture.

| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 175.79 | 176.93 | Peg   |                 |

Qtz-kspar-plag-bt pegmatite dike. Elongate bt. Sharp contact with e.g. oriented at 35 TCA. Unmineralized. Trace 0.05% isolated grains of mgt.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

175.79176.93- - - - -

175.79176.930 - - MG 0.05

Unmineralized. Trace 0.05% isolated grains of mgt.

176.92176.93CON 35

Sharp contact with e.g. oriented at 35 TCA.

| From                                                                                                                                                                                                                                                                                             |        | To     |    | Litho  |                                                                                                                                                                       | Oxidation Limit |     |    |    |     |    |    |    |   |    |                                 |        |        |      |       |    |     |      |      |     |         |     |      |    |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|----|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----|----|----|-----|----|----|----|---|----|---------------------------------|--------|--------|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| 176.93                                                                                                                                                                                                                                                                                           |        | 185.32 |    | eG     |                                                                                                                                                                       |                 |     |    |    |     |    |    |    |   |    |                                 |        |        |      |       |    |     |      |      |     |         |     |      |    |        |
| Weak chl-epidote altered bt+amp (amp-rich) e.g. Very weak chlorite alteration of mafics. Epidote replacing bt. Chl or cc along micro-fractures. Single gypsum vein. Rare epidote veins. Unfoliated. Unmineralized and non-magnetic. Unit intersected by occasional pegmatite veins. End of hole. |        |        |    |        |                                                                                                                                                                       |                 |     |    |    |     |    |    |    |   |    |                                 |        |        |      |       |    |     |      |      |     |         |     |      |    |        |
| STRUCTURES                                                                                                                                                                                                                                                                                       |        |        |    |        | ALTERATION                                                                                                                                                            |                 |     |    |    |     |    |    |    |   |    | MINERALIZATION                  |        |        |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
| From                                                                                                                                                                                                                                                                                             | To     | Struct | CA | Strain | From                                                                                                                                                                  | To              | INT | SR | CL | SIL | CC | EP | AB | K | LI |                                 | From   | To     | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |
| 176.93                                                                                                                                                                                                                                                                                           | 185.32 | NA     |    |        | 176.93                                                                                                                                                                | 185.32          | W   | -  | VW | -   | VW | W  | -  | - | -  |                                 | 176.93 | 185.32 | 0    | -     | -  |     |      |      |     |         |     |      |    |        |
| Unfoliated.                                                                                                                                                                                                                                                                                      |        |        |    |        | Weak chl-epidote altered e.g. Very weak chlorite alteration of mafics. Epidote replacing bt. Chl or cc along micro-fractures. Single gypsum vein. Rare epidote veins. |                 |     |    |    |     |    |    |    |   |    | Unmineralized and non-magnetic. |        |        |      |       |    |     |      |      |     |         |     |      |    |        |

TITLE PAGE

| Hole ID             |                  | 07SWC212  |             | Zone                           |           | IROD |     |
|---------------------|------------------|-----------|-------------|--------------------------------|-----------|------|-----|
| Section             | UNKNOWN          | Easting   | 383561.8436 | Source                         | Surveyor  |      |     |
| Site                | Land             | Northing  | 6944356.906 | Azimuth                        | 0         |      |     |
| Length              | 154.84m          | Elevation | 879.367825  | Dip                            | -90       |      |     |
|                     |                  | Grid      | UTM NAD83   |                                |           |      |     |
| Logged by           | Taras Nahnybida  |           |             | Day Started                    | 18-Jul-07 |      |     |
| Logger #2           | NONE             |           |             | Day Finished                   | 20-Jul-07 |      |     |
| Geotechnician       | Kantcho Kantchev |           |             | Log Completed                  | 20-Jul-07 |      |     |
| Geotechnician #2    | NONE             |           |             | Last Updated                   |           |      |     |
| Geotech Type        | SRK              |           |             | DIP TESTS (other than Maxibor) |           |      |     |
|                     |                  | Depth     | Azimuth     | Dip                            | Type      |      |     |
|                     |                  | 93.88     | 145.00      | -88.00                         | FX        |      |     |
|                     |                  | 154.84    | 141.70      | -87.60                         | FX        |      |     |
| Available Analyses: |                  |           |             |                                |           |      |     |
| Au-AA               |                  | Yes       | ICP         | Yes                            | Total Cu  |      | Yes |
| Au-MET              |                  | No        |             |                                | Cu NS     |      | Yes |

Summary

IROD eploration hole testing magnetic/IP anamolies.

No significant mineralized foliated granodiorite units were intersected.

Signature:

Drill Log  
Irod

Signature: \_\_\_\_\_

Initials: \_\_\_\_\_

07SWC212

| From        | To   | Litho | Oxidation Limit |
|-------------|------|-------|-----------------|
| 0.00        | 9.14 | Ob    |                 |
| Overburden. |      |       |                 |

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

0.00      9.14      NA                      0.00      9.14      -      -      -      -      -      -      -      -      -                      0.00      9.14      0      -      -

| From                                                                                                                                                                                                                                                                                                                                                                                                                                                  | To    | Litho | Oxidation Limit |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-----------------|
| 9.14                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13.33 | fG    |                 |
| Mod to strong bt-chl-kspars altered and weathered amp-bearing f.g. Chlorite alteration of mafics. Patchy to sustained pink k-alteration. Limonite+cc (or chlorite) along fracture planes. Weak epidote replacing bt. Calcite along some micro-fractures. Very weak to weak foliation oriented between 40-50 TCA; moderately fractured. Broken core up to 11.58m (+incoherent). Contact with p.g. along a fracture. No visible sulfides. Non-magnetic. |       |       |                 |

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

9.14      11.58      FR                      S                      9.14      11.24                      D0                      13001  
Broken core.

9.14      13.33      M      -      M      -      W      W      -      M      W                      9.14      13.33      0      -      -  
Mod to strong bt-chl-kspars altered and weathered f.g. Chlorite alteration of mafics. Patchy to sustained pink k-alteration. Limonite+cc (or chlorite) along fracture planes. Weak epidote replacing bt. Calcite along some micro-fractures. No visible sulfides. Non-magnetic.

11.24      13.33                      D0                      13002  
11.58      13.32      FOL      45  
Very weak to weak foliation oriented between 40-50 TCA; moderately fractured.

| From | To    | Litho | Oxidation Limit |
|------|-------|-------|-----------------|
| 9.14 | 13.33 | fG    |                 |

(Continued from previous page)

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   | MINERALIZATION |  |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----------------|--|------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI             |  | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |

13.32 13.33 CON  
Contact with p.g. along a fracture.

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 13.33 | 19.98 | pG    |                 |

Weak to mod chl-altered and weathered kspar phyric bt+amp p.g. Chlorite alteration of mafics. Minor epidote associated with bt (+rarely along micro-fractures). Patchy or fracture-controlled faded pink k-alteration. Calcite along micro-fractures. Limonite+cc (or hmt) along fracture planes. Unfoliated; moderately fractured with short sections of broken core. Sharp contact with f.g. oriented at 40 TCA partially along a fracture. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |

13.33 14.33 D0 13003

13.33 19.97 NA  
Unfoliated; moderately fractured with short sections of broken core.

13.33 19.98 M - M - W W - W W 13.33 19.98 0 - -  
Weak to mod chl-altered and weathered p.g. Chlorite alteration of mafics. Minor epidote associated with bt (+rarely along micro-fractures). Patchy or fracture-controlled faded pink k-alteration. Calcite along micro-fractures. Limonite+cc (or hmt) along fracture planes. Unmineralized and non-magnetic.

14.33 16.66 D0 13004  
16.66 18.98 D0 13005  
18.98 19.98 D0 13006





| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 24.19 | 51.07 | pG    |                 |

Mod chl-altered and weathered kspar phyric bt+amp p.g. Chlorite alteration of mafics. Epidote replacing bt. Fracture-controlled faded pink k-alteration. Calcite along micro-fractures (or thin veinlets). Limonite or chl (+cc) along fracture planes. Rock has a pitted texture in areas due to strong weathering. Between 40.39-51.06m, stronger chloritization and patchy to sustained k-alteration (+elevated limonite and calcite) associated with the fault zone. Unfoliated; moderately fractured with rare short segments of broken core. Fault zon with broken and crushed core (some intact pieces); Limonite+chl+cc associated with crushed core (sandy in areas), and rock is highly weathered and rotten in areas (poor recovery and significant lost core). Contact with f.g. within broken core (difficult to determine). Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

24.19 51.07 0 - -  
Unmineralized and non-magnetic.

25.19 26.69 D0 13012

26.25 26.69 FR S  
Broken incoherent core.

26.69 36.65 NA  
Unfoliated; moderately fractured with rare short segments of broken core.

36.65 40.39 FR S  
Broken incoherent core.

40.39 51.06 FLT  
Fault zon with broken and crushed core (some intact pieces); Limonite+chl+cc associated with crushed core (sandy in areas), and rock is highly weathered and rotten in areas.

40.39 51.07 S - S - M W - M M  
Stronger chloritization and patchy to sustained k-alteration (+elevated limonite and calcite) associated with the fault zone.

48.57 50.07 D0 13013

50.07 51.07 D0 13014

| From  | To    | Litho | Oxidation Limit | (Continued from previous page) |  |  |  |  |  |  |  |  |  |
|-------|-------|-------|-----------------|--------------------------------|--|--|--|--|--|--|--|--|--|
| 24.19 | 51.07 | pG    |                 |                                |  |  |  |  |  |  |  |  |  |

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

51.06 51.07 CON  
Contact with f.g. within broken core (difficult to determine).

| From  | To    | Litho | Oxidation Limit |  |  |  |  |  |  |  |  |  |  |
|-------|-------|-------|-----------------|--|--|--|--|--|--|--|--|--|--|
| 51.07 | 55.92 | fG    |                 |  |  |  |  |  |  |  |  |  |  |

Mod to strong bt-chl-kspar altered and weathered f.g. Chlorite alteration of bt. Patchy or fracture-controlled faded pink k-alteration. Limonite+cc along fracture planes (or chl, ser). Calcite along micro-fractures. Minor hmt-staining. Rock has isolated areas with a rusty appearance. Rock has a pitted texture in areas due to strong weathering. Weak foliation oriented at ~45-50 TCA; moderately fractured with segments of broken core. Up to 53.15m, highly fractured core with segments of broken/crushed core (rock is incoherent). Sharp contact with p.g. oriented at 40 TCA along broken core (fracture at contact with sericite+chl+cc fill). No visible sulfides. 0.1% mgt. Rare thin pegmatite veins intersect the unit.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

51.07 53.15 FR S  
Highly fractured core with segments of broken/crushed core (rock is incoherent).

|                                                                                                                                                                                                                                                                                              |       |   |    |   |   |   |   |   |   |   |  |  |  |                                |       |    |       |   |    |     |  |  |  |  |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---|----|---|---|---|---|---|---|---|--|--|--|--------------------------------|-------|----|-------|---|----|-----|--|--|--|--|--|--|--|--|--|--|
|                                                                                                                                                                                                                                                                                              |       |   |    |   |   |   |   |   |   |   |  |  |  | 51.07                          | 53.49 | D0 | 13015 |   |    |     |  |  |  |  |  |  |  |  |  |  |
| 51.07                                                                                                                                                                                                                                                                                        | 55.92 | M | VW | S | - | M | - | - | M | M |  |  |  | 51.07                          | 55.92 | 0  | -     | - | MG | 0.1 |  |  |  |  |  |  |  |  |  |  |
| Mod to strong bt-chl-kspar altered and weathered f.g. Chlorite alteration of bt. Patchy or fracture-controlled faded pink k-alteration. Limonite+cc along fracture planes (or chl, ser). Calcite along micro-fractures. Minor hmt-staining. Rock has isolated areas with a rusty appearance. |       |   |    |   |   |   |   |   |   |   |  |  |  | No visible sulfides. 0.1% mgt. |       |    |       |   |    |     |  |  |  |  |  |  |  |  |  |  |

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 51.07 | 55.92 | fG    |                 |

(Continued from previous page)

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |

53.15 55.91 FOL 50  
Weak foliation oriented at  
~45-50 TCA; moderately  
fractured with segments of  
broken core.

|       |       |    |       |
|-------|-------|----|-------|
| 53.49 | 53.49 | D0 | 13016 |
| 53.49 | 55.92 | D0 | 13017 |

55.91 55.92 CON 40  
Sharp contact with p.g.  
oriented at 40 TCA along  
broken core (fracture at  
contact with  
sericite+chl+cc fill).

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 55.92 | 56.90 | pG    |                 |

Mod to strong chl-altered and weathered kspar phyric bt-dominant p.g. Chlorite alteration of bt. Epidote replacing bt. Calcite along micro-fractures.  
Chl+cc+limonite along fracture planes (or associated with broken/crushed core). Broken and crushed core; unfoliated. Contact with f.g. along a mechanical  
break. Unmineralized and non-magnetic. Very weak patchy pink-orange k-alteration.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

55.92 56.89 FR S  
Broken and crushed core;  
unfoliated.

|                                                                                                                                                                                                                       |       |   |   |   |   |   |   |   |    |   |       |       |   |   |   |                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---|---|---|---|---|---|---|----|---|-------|-------|---|---|---|---------------------------------|
| 55.92                                                                                                                                                                                                                 | 56.90 | M | - | M | - | M | W | - | VW | W | 55.92 | 56.90 | 0 | - | - | Unmineralized and non-magnetic. |
| Mod to strong chl-altered and weathered p.g. Chlorite alteration of<br>bt. Epidote replacing bt. Calcite along micro-fractures.<br>Chl+cc+limonite along fracture planes (or associated with<br>broken/crushed core). |       |   |   |   |   |   |   |   |    |   |       |       |   |   |   |                                 |

|       |       |    |       |
|-------|-------|----|-------|
| 55.92 | 56.90 | D0 | 13018 |
|-------|-------|----|-------|

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 55.92 | 56.90 | pG    |                 |

Mod to strong chl-altered and weathered kspar phyric bt-dominant p.g. Chlorite alteration of bt. Epidote replacing bt. Calcite along micro-fractures. Chl+cc+limonite along fracture planes (or associated with broken/crushed core). Broken and crushed core; unfoliated. Contact with f.g. along a mechanical break. Unmineralized and non-magnetic. Very weak patchy pink-orange k-alteration.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

56.89    56.90    CON  
Contact with f.g. along a mechanical break.

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 56.90 | 63.20 | fG    |                 |

Mod bt-chl altered and weathered f.g. Chlorite alteration of bt. Minor fracture-controlled faded pink k-alteration. Limonite+cc along fracture planes. Rock has a weak patchy rusty appearance. Calcite along micro-fractures (thin veinlets). Weak to mod inconsistent foliation oriented beteen 40-60 TCA (possibly accounted for by a shallower second foliation); moderately fractured along with remnant kspar phenos. Sharp contact with andesite oriented at 20 TCA along a highly weathered incoherent fracture. Below sub-trace specks of 0.01% cpy (+minor specks of malachite). Trace 0.05% mgt. Unit intersected by rare thin pegmatite veins.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

56.90    58.47    D0    13019

56.90    63.19    FOL    50    W  
Weak to mod inconsistent foliation oriented beteen 40-60 TCA (possibly accounted for by a shallower second foliation); moderately fractured along with remnant kspar phenos.

|                                                                                                                                                                                                                                                |       |   |   |   |   |   |   |   |   |                                                                                    |       |       |      |   |   |    |      |    |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---|---|---|---|---|---|---|---|------------------------------------------------------------------------------------|-------|-------|------|---|---|----|------|----|------|
| 56.90                                                                                                                                                                                                                                          | 63.20 | M | - | M | - | W | - | - | W | M                                                                                  | 56.90 | 63.20 | 0.01 | - | - | MC | 0.01 | MG | 0.05 |
| Mod bt-chl altered and weathered f.g. Chlorite alteration of bt. Minor fracture-controlled faded pink k-alteration. Limonite+cc along fracture planes. Rock has a weak patchy rusty appearance. Calcite along micro-fractures (thin veinlets). |       |   |   |   |   |   |   |   |   | Below sub-trace specks of 0.01% cpy (+minor specks of malachite). Trace 0.05% mgt. |       |       |      |   |   |    |      |    |      |

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 56.90 | 63.20 | fG    |                 |

Mod bt-chl altered and weathered f.g. Chlorite alteration of bt. Minor fracture-controlled faded pink k-alteration. Limonite+cc along fracture planes. Rock has a weak patchy rusty appearance. Calcite along micro-fractures (thin veinlets). Weak to mod inconsistent foliation oriented beteen 40-60 TCA (possibly accounted for by a shallower second foliation); moderately fractured along with remnant kspar phenos. Sharp contact with andesite oriented at 20 TCA along a highly weathered incoherent fracture. Below sub-trace specks of 0.01% cpy (+minor specks of malachite). Trace 0.05% mgt. Unit intersected by rare thin pegmatite veins.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

|       |       |    |       |
|-------|-------|----|-------|
| 58.47 | 60.04 | D0 | 13020 |
| 60.04 | 60.04 | D0 | 13021 |
| 60.04 | 61.62 | D0 | 13022 |
| 61.62 | 63.20 | D0 | 13023 |

63.19 63.20 CON 20  
Sharp contact with  
andesite oriented at 20  
TCA along a highly  
weathered incoherent  
fracture.

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 63.20 | 66.52 | And   |                 |

Andesite dike. Fault with highly broken core and gouge along fracture planes (significant core loss). Contact with f.g. within broken (drill worn) core. Strongly chloritized and weathered along with pervasive limonite (+cc) staining. Unmineralized and non-magnetic. Minor destructive calcite veining or along micro-fractures.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

|       |       |    |       |
|-------|-------|----|-------|
| 63.20 | 63.20 | D0 | 13024 |
|-------|-------|----|-------|

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 63.20 | 66.52 | And   |                 |

Andesite dike. Fault with highly broken core and gouge along fracture planes (significant core loss). Contact with f.g. within broken (drill worn) core. Strongly chloritized and weathered along with pervasive limonite (+cc) staining. Unmineralized and non-magnetic. Minor destructive calcite veining or along micro-fractures.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

63.20    66.51    FLT  
Fault with highly broken core and gouge along fracture planes (significant core loss).

|                                                                                  |       |   |   |   |   |   |   |   |   |                                 |       |       |   |   |   |  |       |       |    |       |
|----------------------------------------------------------------------------------|-------|---|---|---|---|---|---|---|---|---------------------------------|-------|-------|---|---|---|--|-------|-------|----|-------|
| 63.20                                                                            | 66.52 | S | - | M | - | M | - | - | - | VS                              | 63.20 | 66.52 | 0 | - | - |  | 63.20 | 66.52 | D0 | 13025 |
| Strongly chloritized and weathered along with pervasive limonite (+cc) staining. |       |   |   |   |   |   |   |   |   | Unmineralized and non-magnetic. |       |       |   |   |   |  |       |       |    |       |

66.51    66.52    CON  
Contact with f.g. within broken (drill worn) core.

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 66.52 | 68.60 | fG    |                 |

Strong chl-kspar altered and weathered f.g. Chlorite alteration of bt. Sustained to patchy pink k-alteration. Hmt or cc along micro-fractures. Limonite+cc staining along fracture planes (+minor chl or sericite). Weak foliation oriented at 60 TCA; moderately fractured with some broken core. Sharp contact with andesite oriented at 20 TCA along a highly weathered incoherent fracture. No visible sulfides. 0.1% partially hematized mgt.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

66.52    68.59    FOL    60    W  
Weak foliation oriented at 60 TCA; moderately fractured with some broken core.

| From                                                                                                                                                                                                                                                                                                                                                                                                                                               |    | To     |    | Litho  |            | Oxidation Limit |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------|----|--------|------------|-----------------|-----|----|----|-----|----|----|----|---|----------------|------|----|------|-------|----|-----|------|---------|-----|------|-----|------|----|--------|
| 66.52                                                                                                                                                                                                                                                                                                                                                                                                                                              |    | 68.60  |    | fG     |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
| Strong chl-kspar altered and weathered f.g. Chlorite alteration of bt. Sustained to patchy pink k-alteration. Hmt or cc along micro-fractures. Limonite+cc staining along fracture planes (+minor chl or sericite). Weak foliation oriented at 60 TCA; moderately fractured with some broken core. Sharp contact with andesite oriented at 20 TCA along a highly weathered incoherent fracture. No visible sulfides. 0.1% partially hematized mgt. |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
| STRUCTURES                                                                                                                                                                                                                                                                                                                                                                                                                                         |    |        |    |        | ALTERATION |                 |     |    |    |     |    |    |    |   | MINERALIZATION |      |    |      |       |    |     |      | SAMPLES |     |      |     |      |    |        |
| From                                                                                                                                                                                                                                                                                                                                                                                                                                               | To | Struct | CA | Strain | From       | To              | INT | SR | CL | SIL | CC | EP | AB | K | LI             | From | To | CPY% | Style | VG | Min | Min% | Min2    | M2% | Min3 | M3% | From | To | Sample |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                    |    |        | </ |        |            |                 |     |    |    |     |    |    |    |   |                |      |    |      |       |    |     |      |         |     |      |     |      |    |        |

| From                                                                                                                                                                                                                                                                                                  |       | To     |    | Litho  |            | Oxidation Limit |     |    |    |     |    |    |    |   |    |                |       |                                 |      |       |    |     |      |      |         |      |     |       |       |        |       |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|----|--------|------------|-----------------|-----|----|----|-----|----|----|----|---|----|----------------|-------|---------------------------------|------|-------|----|-----|------|------|---------|------|-----|-------|-------|--------|-------|--|--|--|--|
| 68.60                                                                                                                                                                                                                                                                                                 |       | 69.49  |    | And    |            |                 |     |    |    |     |    |    |    |   |    |                |       |                                 |      |       |    |     |      |      |         |      |     |       |       |        |       |  |  |  |  |
| Andesite dike. Unit is a fault with incoherent rotten rock; intermingled granodiorite material. Contact with f.g. within broken core. Contact with f.g. within broken core. Very strongly weathered along with chloritization and significant calcite. Unmineralized and non-magnetic. Poor recovery. |       |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |       |                                 |      |       |    |     |      |      |         |      |     |       |       |        |       |  |  |  |  |
| STRUCTURES                                                                                                                                                                                                                                                                                            |       |        |    |        | ALTERATION |                 |     |    |    |     |    |    |    |   |    | MINERALIZATION |       |                                 |      |       |    |     |      |      | SAMPLES |      |     |       |       |        |       |  |  |  |  |
| From                                                                                                                                                                                                                                                                                                  | To    | Struct | CA | Strain | From       | To              | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From  | To                              | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From  | To    | Sample |       |  |  |  |  |
| 68.60                                                                                                                                                                                                                                                                                                 | 69.48 | FLT    |    |        | 68.60      | 69.49           | VS  | -  | S  | -   | S  | -  | -  | - | -  |                | 68.60 | 69.49                           | 0    | -     | -  |     |      |      |         |      |     | 68.60 | 69.49 | D0     | 13027 |  |  |  |  |
| Fault with incoherent rotten rock; intermingled granodiorite material.                                                                                                                                                                                                                                |       |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |       | Unmineralized and non-magnetic. |      |       |    |     |      |      |         |      |     |       |       |        |       |  |  |  |  |
| Very strongly weathered along with chloritization and significant calcite.                                                                                                                                                                                                                            |       |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |       |                                 |      |       |    |     |      |      |         |      |     |       |       |        |       |  |  |  |  |

| From  | To    | Litho | Oxidation Limit | (Continued from previous page) |  |  |  |  |  |  |  |  |  |
|-------|-------|-------|-----------------|--------------------------------|--|--|--|--|--|--|--|--|--|
| 68.60 | 69.49 | And   |                 |                                |  |  |  |  |  |  |  |  |  |

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |

69.48 69.49 CON  
Contact with f.g. within  
broken core.

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 69.49 | 69.86 | fG    |                 |

Strongly chloritized and weathered f.g. Chlorite alteration of bt. Rock has a rusty appearance due to pervasive limonite staining (+cc). Broken core; very weak inconsistent foliation (no measurements taken). Sharp contact with andesite oriented at 30 TCA partially along a fracture. No visible sulfides. Trace 0.05% mgt.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |

69.49 69.85 FR  
Broken core; very weak  
inconsistent foliation (no  
measurements taken).

|                                                                                                                                          |       |   |   |   |   |   |   |   |   |                                       |       |       |   |   |   |    |      |       |       |    |       |
|------------------------------------------------------------------------------------------------------------------------------------------|-------|---|---|---|---|---|---|---|---|---------------------------------------|-------|-------|---|---|---|----|------|-------|-------|----|-------|
| 69.49                                                                                                                                    | 69.86 | S | - | S | - | M | - | - | - | S                                     | 69.49 | 69.86 | 0 | - | - | MG | 0.05 | 69.49 | 69.86 | D0 | 13028 |
| Strongly chloritized and weathered f.g. Chlorite alteration of bt. Rock has a rusty appearance due to pervasive limonite staining (+cc). |       |   |   |   |   |   |   |   |   | No visible sulfides. Trace 0.05% mgt. |       |       |   |   |   |    |      |       |       |    |       |

69.85 69.86 CON 30  
Sharp contact with  
andesite oriented at 30  
TCA partially along a  
fracture.

Initials: \_\_\_\_\_

| From                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | To    | Litho | Oxidation Limit |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-----------------|
| 70.83                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 82.79 | fG    |                 |
| Mod to strong chl-kspar altered amp-bearing f.g. Chlorite alteration of mafics. Patchy to sustained faded pink k-alteration. Limonite or hmt (+cc) along fracture planes. Calcite veining or along micro-fractures. Weak foliation oriented between 50-60 TCA; moderately fractured along with remnant kspar phenos. Irregular contact with p.g. within broken core. No visible sulfides. Trace 0.05% mgt. Unit intersected by rare thin irregular pegmatite veins oriented sub-parallel TCA, and a single aplite vein. |       |       |                 |

| STRUCTURES                                                                                       |       |        |    |        | ALTERATION                                                                                                                                                                                              |       |     |    |    |     |    |    |    |   | MINERALIZATION                        |       |       |      |       |    |     |      |      |     | SAMPLES |     |       |       |        |       |
|--------------------------------------------------------------------------------------------------|-------|--------|----|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|----|----|-----|----|----|----|---|---------------------------------------|-------|-------|------|-------|----|-----|------|------|-----|---------|-----|-------|-------|--------|-------|
| From                                                                                             | To    | Struct | CA | Strain | From                                                                                                                                                                                                    | To    | INT | SR | CL | SIL | CC | EP | AB | K | LI                                    | From  | To    | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From  | To    | Sample |       |
| 70.83                                                                                            | 82.78 | FOL    | 55 |        | 70.83                                                                                                                                                                                                   | 82.79 | M   | -  | M  | -   | M  | -  | -  | M | M                                     | 70.83 | 82.79 | 0    | -     | -  | MG  | 0.05 |      |     |         |     | 70.83 | 73.83 | D0     | 13030 |
| Weak foliation oriented between 50-60 TCA; moderately fractured along with remnant kspar phenos. |       |        |    |        | Mod to strong chl-kspar altered f.g. Chlorite alteration of mafics. Patchy to sustained faded pink k-alteration. Limonite or hmt (+cc) along fracture planes. Calcite veining or along micro-fractures. |       |     |    |    |     |    |    |    |   | No visible sulfides. Trace 0.05% mgt. |       |       |      |       |    |     |      |      |     |         |     |       |       |        |       |

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 70.83 | 82.79 | fG    |                 |

Mod to strong chl-kspar altered amp-bearing f.g. Chlorite alteration of mafics. Patchy to sustained faded pink k-alteration. Limonite or hmt (+cc) along fracture planes. Calcite veining or along micro-fractures. Weak foliation oriented between 50-60 TCA; moderately fractured along with remnant kspar phenos. Irregular contact with p.g. within broken core. No visible sulfides. Trace 0.05% mgt. Unit intersected by rare thin irregular pegmatite veins oriented sub-parallel TCA, and a single aplite vein.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

|       |       |    |       |
|-------|-------|----|-------|
| 73.83 | 76.83 | D0 | 13031 |
| 76.83 | 76.83 | D0 | 13032 |
| 76.83 | 79.83 | D0 | 13033 |
| 79.83 | 82.79 | D0 | 13034 |

82.78    82.79    CON  
Irregular contact with p.g.  
within broken core.

|       |       |    |       |
|-------|-------|----|-------|
| 82.79 | 82.79 | D0 | 13035 |
|-------|-------|----|-------|

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 82.79 | 92.98 | pG    |                 |

Strong chl-kspar altered and weathered faintly kspar and qtz phyric bt+amp p.g. Chlorite alteration of mafics. Patchy to sustained (or fracture-controlled) pink k-alteration associated with margins of elevated epidote. Chl, hmt, ser, limonite, and cc along fracture planes. Calcite veining or along micro-fractures (+chl). Weak epidote replacing bt. Rock has a faint patchy rusty appearance. Moderately to highly fractured core (slickenlines along some fracture planes or with significant fill); unfoliated (rock has a faint fabric over short intervals). Fault between 86.36-88.05m with crushed core (some intact pieces) along with chl+cc+ser+limonite. Sharp contact with andesite oriented at 80 TCA along a fracture. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

|       |       |    |       |
|-------|-------|----|-------|
| 82.79 | 83.79 | D0 | 13036 |
|-------|-------|----|-------|

| From  | To    | Litho | Oxidation Limit |
|-------|-------|-------|-----------------|
| 82.79 | 92.98 | pG    |                 |

Strong chl-kspar altered and weathered faintly kspar and qtz phyric bt+amp p.g. Chlorite alteration of mafics. Patchy to sustained (or fracture-controlled) pink k-alteration associated with margins of elevated epidote. Chl, hmt, ser, limonite, and cc along fracture planes. Calcite veining or along micro-fractures (+chl). Weak epidote replacing bt. Rock has a faint patchy rusty appearance. Moderately to highly fractured core (slickenlines along some fracture planes or with significant fill); unfoliated (rock has a faint fabric over short intervals). Fault between 86.36-88.05m with crushed core (some intact pieces) along with chl+cc+ser+limonite. Sharp contact with andesite oriented at 80 TCA along a fracture. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

82.79    86.36    FR       S  
*Highly fractured and broken core (fracture planes have significant fill); unfoliated.*

82.79    92.98    S    W    S       -    M    W       -       S    M                    82.79 92.98    0       -       -  
*Strong chl-kspar altered and weathered p.g. Chlorite alteration of mafics. Patchy to sustained (or fracture-controlled) pink k-alteration associated with margins of elevated epidote. Chl, hmt, ser, limonite, and cc along fracture planes. Calcite veining or along micro-fractures (+chl). Weak epidote replacing bt. Rock has a faint patchy rusty appearance.*                    *Unmineralized and non-magnetic.*

83.79    85.29        D0                    13037

86.36    88.05    FLT  
*Fault with crushed core (some intact pieces) along with chl+cc+ser+limonite.*

88.05    92.97    FR        M  
*Moderately fractured core (slickenlines along some fracture planes); unfoliated (rock has a faint fabric over short intervals).*

92.97    92.98    CON    80  
*Sharp contact with andesite oriented at 80 TCA along a fracture.*

| From                                                                                                                                                                                                                                      |       | To     |    | Litho  |            | Oxidation Limit |     |    |    |     |    |    |    |   |    |                |                                 |       |      |       |    |     |      |      |     |         |     |      |    |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|----|--------|------------|-----------------|-----|----|----|-----|----|----|----|---|----|----------------|---------------------------------|-------|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| 92.98                                                                                                                                                                                                                                     |       | 93.66  |    | And    |            |                 |     |    |    |     |    |    |    |   |    |                |                                 |       |      |       |    |     |      |      |     |         |     |      |    |        |
| Andesite dike. Broken core. Sharp contact with p.g. oriented at 30 TCA along a broken fracture. Strong limonite+cc along fracture planes. Abundant calcite veining. Rock is vuggy near the upper contact. Unmineralized and non-magnetic. |       |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |                                 |       |      |       |    |     |      |      |     |         |     |      |    |        |
| STRUCTURES                                                                                                                                                                                                                                |       |        |    |        | ALTERATION |                 |     |    |    |     |    |    |    |   |    | MINERALIZATION |                                 |       |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
| From                                                                                                                                                                                                                                      | To    | Struct | CA | Strain | From       | To              | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From                            | To    | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |
| 92.98                                                                                                                                                                                                                                     | 93.65 | FR     |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |                                 |       |      |       |    |     |      |      |     |         |     |      |    |        |
| Broken core.                                                                                                                                                                                                                              |       |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |                                 |       |      |       |    |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                           |       |        |    |        | 92.98      | 93.66           | M   | -  | -  | -   | M  | -  | -  | - | M  |                | 92.98                           | 93.66 | 0    | -     | -  |     |      |      |     |         |     |      |    |        |
|                                                                                                                                                                                                                                           |       |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                | Unmineralized and non-magnetic. |       |      |       |    |     |      |      |     |         |     |      |    |        |
| 93.65                                                                                                                                                                                                                                     | 93.66 | CON    | 30 |        |            |                 |     |    |    |     |    |    |    |   |    |                |                                 |       |      |       |    |     |      |      |     |         |     |      |    |        |
| Sharp contact with p.g. oriented at 30 TCA along a broken fracture.                                                                                                                                                                       |       |        |    |        |            |                 |     |    |    |     |    |    |    |   |    |                |                                 |       |      |       |    |     |      |      |     |         |     |      |    |        |

| From                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        | To     |    | Litho  |                                                                                                                                                                                              | Oxidation Limit |     |    |    |     |    |    |    |   |    |                |                                 |        |       |    |     |      |      |     |      |         |      |    |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|----|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----|----|----|-----|----|----|----|---|----|----------------|---------------------------------|--------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| 93.66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | 101.75 |    | pG     |                                                                                                                                                                                              |                 |     |    |    |     |    |    |    |   |    |                |                                 |        |       |    |     |      |      |     |      |         |      |    |        |
| Moderate chlorite altered and weakly weathered kspar phytic bt+amp p.g. Chlorite alteration of mafics. Strong limonite+cc along fracture planes. Calcite along micro-fractures. Weak epidote associated with bt. Broken core up to 93.88m. Unfoliated and moderately fractured with rare short segments of broken core; sliver of barren f.g. centered at 98.88m. Sharp contact with f.g. oriented at 50 TCA. Unit intersected by two small andesite veins. Unmineralized and non-magnetic. |        |        |    |        |                                                                                                                                                                                              |                 |     |    |    |     |    |    |    |   |    |                |                                 |        |       |    |     |      |      |     |      |         |      |    |        |
| STRUCTURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |        |    |        | ALTERATION                                                                                                                                                                                   |                 |     |    |    |     |    |    |    |   |    | MINERALIZATION |                                 |        |       |    |     |      |      |     |      | SAMPLES |      |    |        |
| From                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | To     | Struct | CA | Strain | From                                                                                                                                                                                         | To              | INT | SR | CL | SIL | CC | EP | AB | K | LI | From           | To                              | CPY%   | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |
| 93.66                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 93.88  | FR     |    | S      |                                                                                                                                                                                              |                 |     |    |    |     |    |    |    |   |    |                |                                 |        |       |    |     |      |      |     |      |         |      |    |        |
| Broken core.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |        |    |        |                                                                                                                                                                                              |                 |     |    |    |     |    |    |    |   |    |                |                                 |        |       |    |     |      |      |     |      |         |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |    |        | 93.66                                                                                                                                                                                        | 101.75          | M   | -  | M  | -   | M  | VW | -  | - | M  |                | 93.66                           | 101.75 | 0     | -  | -   |      |      |     |      |         |      |    |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |    |        | Moderate chlorite altered and weakly weathered p.g. Chlorite alteration of mafics. Strong limonite+cc along fracture planes. Calcite along micro-fractures. Weak epidote associated with bt. |                 |     |    |    |     |    |    |    |   |    |                | Unmineralized and non-magnetic. |        |       |    |     |      |      |     |      |         |      |    |        |
| 93.88                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 101.74 | NA     |    |        |                                                                                                                                                                                              |                 |     |    |    |     |    |    |    |   |    |                |                                 |        |       |    |     |      |      |     |      |         |      |    |        |
| Unfoliated and moderately fractured with rare short                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |        |    |        |                                                                                                                                                                                              |                 |     |    |    |     |    |    |    |   |    |                |                                 |        |       |    |     |      |      |     |      |         |      |    |        |



| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 101.75 | 103.47 | fG    |                 |

(Continued from previous page)

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   | MINERALIZATION |  |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----------------|--|------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI             |  | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |

102.44 103.08 FOL 35 S  
Strong compact foliation  
oriented between 30-40  
TCA.

103.08 103.46 BX  
Breccia with angular  
medium-grained clasts  
cemented by silica and  
calcite.

103.08 103.47 VS - VS - S - - - -  
Very strong chloritization and calcite associated with breccia zone.

103.46 103.47 CON 60  
Contact with p.g. oriented  
at ~60 TCA marked by the  
end of the breccia zone.

103.47 103.47 D0 13041

| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 103.47 | 105.71 | pG    |                 |

Mod chl-epidote altered kspar phyrlic bt-dominant p.g. Chlorite alteration of bt. Epidote replacing bt. Limonite+cc along fracture planes. Unfoliated; moderately fractured. Sharp contact with f.g. oriented at 40 TCA partially along a fracture. Unmineralized and non-magnetic. Single thin irregular pegmatite near the upper contact with sub-parallel orientation TCA.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   | MINERALIZATION |  |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----------------|--|------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI             |  | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |

103.47 105.70 FR M  
Unfoliated; moderately  
fractured.

| From                                                                                                                                                                                                                                                                                                                                                                          |        | To     |    | Litho  |            | Oxidation Limit |     |                                 |    |     |    |    |    |   |                |  |        |        |      |       |    |     |      |      |         |      |     |        |        |        |       |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|----|--------|------------|-----------------|-----|---------------------------------|----|-----|----|----|----|---|----------------|--|--------|--------|------|-------|----|-----|------|------|---------|------|-----|--------|--------|--------|-------|--|--|--|--|--|--|--|--|--|--|--|--|
| 103.47                                                                                                                                                                                                                                                                                                                                                                        |        | 105.71 |    | pG     |            |                 |     |                                 |    |     |    |    |    |   |                |  |        |        |      |       |    |     |      |      |         |      |     |        |        |        |       |  |  |  |  |  |  |  |  |  |  |  |  |
| Mod chl-epidote altered kspar phyrlic bt-dominant p.g. Chlorite alteration of bt. Epidote replacing bt. Limonite+cc along fracture planes. Unfoliated; moderately fractured. Sharp contact with f.g. oriented at 40 TCA partially along a fracture. Unmineralized and non-magnetic. Single thin irregular pegmatite near the upper contact with sub-parallel orientation TCA. |        |        |    |        |            |                 |     |                                 |    |     |    |    |    |   |                |  |        |        |      |       |    |     |      |      |         |      |     |        |        |        |       |  |  |  |  |  |  |  |  |  |  |  |  |
| STRUCTURES                                                                                                                                                                                                                                                                                                                                                                    |        |        |    |        | ALTERATION |                 |     |                                 |    |     |    |    |    |   | MINERALIZATION |  |        |        |      |       |    |     |      |      | SAMPLES |      |     |        |        |        |       |  |  |  |  |  |  |  |  |  |  |  |  |
| From                                                                                                                                                                                                                                                                                                                                                                          | To     | Struct | CA | Strain | From       | To              | INT | SR                              | CL | SIL | CC | EP | AB | K | LI             |  | From   | To     | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From   | To     | Sample |       |  |  |  |  |  |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                                                                               |        |        |    |        | 103.47     | 105.71          | M   | -                               | M  | -   | W  | M  | -  | - | W              |  | 103.47 | 105.71 | 0    | -     | -  |     |      |      |         |      |     | 103.47 | 105.71 | D0     | 13042 |  |  |  |  |  |  |  |  |  |  |  |  |
| Mod chl-epidote altered p.g. Chlorite alteration of bt. Epidote replacing bt. Limonite+cc along fracture planes.                                                                                                                                                                                                                                                              |        |        |    |        |            |                 |     | Unmineralized and non-magnetic. |    |     |    |    |    |   |                |  |        |        |      |       |    |     |      |      |         |      |     |        |        |        |       |  |  |  |  |  |  |  |  |  |  |  |  |
| 105.70                                                                                                                                                                                                                                                                                                                                                                        | 105.71 | CON    | 40 |        |            |                 |     |                                 |    |     |    |    |    |   |                |  |        |        |      |       |    |     |      |      |         |      |     |        |        |        |       |  |  |  |  |  |  |  |  |  |  |  |  |
| Sharp contact with f.g. oriented at 40 TCA partially along a fracture.                                                                                                                                                                                                                                                                                                        |        |        |    |        |            |                 |     |                                 |    |     |    |    |    |   |                |  |        |        |      |       |    |     |      |      |         |      |     |        |        |        |       |  |  |  |  |  |  |  |  |  |  |  |  |

| From                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        | To     |    | Litho  |                                                            | Oxidation Limit |     |    |    |     |                                                                                                                                               |    |    |   |                |      |    |      |       |    |     |      |      |     |         |        |        |    |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|----|--------|------------------------------------------------------------|-----------------|-----|----|----|-----|-----------------------------------------------------------------------------------------------------------------------------------------------|----|----|---|----------------|------|----|------|-------|----|-----|------|------|-----|---------|--------|--------|----|--------|
| 105.71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        | 114.42 |    | fG     |                                                            |                 |     |    |    |     |                                                                                                                                               |    |    |   |                |      |    |      |       |    |     |      |      |     |         |        |        |    |        |
| Mod bt-chl altered grt-bearing f.g. Chlorite alteration of bt. Limonite+cc along fracture planes. Minor patchy pink k-alteration. Very weakly silicified. After 111.71m, very strong chloritization associated with weak sericite, patchy pink k-alteration, moderate silicification, and vuggy epidote bands (+cc bands/veins); rock has a bleached out minty green appearance. Strong compact to weak/moderate foliation oriented at 50 TCA (shallows between 106.33-107m and changes direction; nose of fold); moderately fractured with segments of broken core. Contact with andesite within broken core. No visible sulfides. 0.05% trace mgt. |        |        |    |        |                                                            |                 |     |    |    |     |                                                                                                                                               |    |    |   |                |      |    |      |       |    |     |      |      |     |         |        |        |    |        |
| STRUCTURES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |        |    |        | ALTERATION                                                 |                 |     |    |    |     |                                                                                                                                               |    |    |   | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |        |        |    |        |
| From                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | To     | Struct | CA | Strain | From                                                       | To              | INT | SR | CL | SIL | CC                                                                                                                                            | EP | AB | K | LI             | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3%    | From   | To | Sample |
| 105.71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 106.33 | FOL    | 50 | S      | Strong compact foliation oriented at ~50 TCA; broken core. |                 |     |    |    |     |                                                                                                                                               |    |    |   |                |      |    |      |       |    |     |      |      |     |         | 105.71 | 108.71 | D0 | 13043  |
| 105.71                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 111.71 | M      | -  | M      | VW                                                         | W               | -   | -  | VW | W   | Mod bt-chl altered f.g. Chlorite alteration of bt. Limonite+cc along fracture planes. Minor patchy pink k-alteration. Very weakly silicified. |    |    |   |                |      |    |      |       |    |     |      |      |     |         |        |        |    |        |

| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 105.71 | 114.42 | fG    |                 |

Mod bt-chl altered grt-bearing f.g. Chlorite alteration of bt. Limonite+cc along fracture planes. Minor patchy pink k-alteration. Very weakly silicified. After 111.71m, very strong chloritization associated with weak sericite, patchy pink k-alteration, moderate silicification, and vuggy epidote bands (+cc bands/veins); rock has a bleached out minty green appearance. Strong compact to weak/moderate foliation oriented at 50 TCA (shallows between 106.33-107m and changes direction; nose of fold); moderately fractured with segments of broken core. Contact with andesite within broken core. No visible sulfides. 0.05% trace mgt.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |

105.71114.42 0 - - MG 0.05  
No visible sulfides. 0.05% trace mgt.

106.33 107.00 FOL 15  
Strong compact foliation  
abruptly shallows to 0-30  
TCA and changes direction  
(nose of fold).

107.00 113.60 FOL 50 M  
Weak to mod foliation  
oriented at ~50 TCA;  
moderately fractured.

108.71 111.71 D0 13044

111.71 114.42 VS W VS M W W - M W  
After 111.71m, very strong chloritization associated with weak  
sericite, patchy pink k-alteration, moderate silicification, and vuggy  
epidote bands (+cc bands/veins); rock has a bleached out minty  
green appearance.

111.71 114.42 D0 13045

113.60 114.41 FR S  
Broken core; foliation  
obscured by very strong  
chloritization.

114.41 114.42 CON  
Contact with andesite  
within broken core.

114.42 114.42 D0 13046

From

To

Litho

Oxidation Limit

114.42

114.75

And

Andesite dike. Broken core. Hmt-staining along fracture planes. Rare calcite along micro-fractures. Contact with f.g. within broken core. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

114.42 114.74 FR  
Broken core.

114.42

114.75

-

-

-

-

-

-

-

-

-

-

114.42

114.75

0

-

-

114.42

114.75

DO

13047

Unmineralized and non-magnetic.

114.74 114.75 CON  
Contact with f.g. within broken core.

From

To

Litho

Oxidation Limit

114.75

129.63

fG

Mod bt-chl altered grt-bearing f.g. Chlorite alteration of bt. Areas of stronger bt-alteration. Very weak fine-grained epidote associated with bt. Weakly silicified. Rock is vuggy in areas (felsic dissolution). Minor patchy pink k-alteration. Weak calcite along fracture planes or associated with vugs. Rare calcite veins. After 128.36m, Very strong shreddy/wispy bt-alteration; weakly silcified along with epidote associated with pyrite (+frequent gypsum veins). Moderate foliation oriented between 50-60 TCA (areas of stronger more compact foliation); moderately fractured with segments of broken core. Minor SSF. After 128.36m, foliation obscured by moderate SSF and strong bt-alteration. Sharp contact with p.g. oriented at ~60 TCA that partially follows a gypsum vein. Sulfides occur as disseminations with 0.01-1.5% pyr (generally content increases downhole) and 0.25% cpy (only after 128.36m). 0.05-0.5% mgt. Unit intersected by rare pegmatite veins.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

114.75

117.75

DO

13048

114.75 121.64 FOL 55 M  
Moderate foliation oriented between 50-60 TCA (areas of stronger more compact foliation); moderately fractured with segments of broken core.

| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 114.75 | 129.63 | fG    |                 |

Mod bt-chl altered grt-bearing f.g. Chlorite alteration of bt. Areas of stronger bt-alteration. Very weak fine-grained epidote associated with bt. Weakly silicified. Rock is vuggy in areas (felsic dissolution). Minor patchy pink k-alteration. Weak calcite along fracture planes or associated with vugs. Rare calcite veins. After 128.36m, Very strong shreddy/wispy bt-alteration; weakly silcified along with epidote associated with pyrite (+frequent gypsum veins). Moderate foliation oriented between 50-60 TCA (areas of stronger more compact foliation); moderately fractured with segments of broken core. Minor SSF. After 128.36m, foliation obscured by moderate SSF and strong bt-alteration. Sharp contact with p.g. oriented at ~60 TCA that partially follows a gypsum vein. Sulfides occur as disseminations with 0.01-1.5% pyr (generally content increases downhole) and 0.25% cpy (only after 128.36m). 0.05-0.5% mgt. Unit intersected by rare pegmatite veins.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

114.75123.77 0 - - PY 0.01 MG0.05  
Sub-trace specks of 0.01% pyrite. 0.05% mgt.

114.75 128.36 M - M W W VW - - VW  
Mod bt-chl altered f.g. Chlorite alteration of bt. Areas of stronger bt-alteration. Very weak fine-grained epidote associated with bt. Weakly silicified. Rock is vuggy in areas (felsic dissolution). Minor patchy pink k-alteration. Weak calcite along fracture planes or associated with vugs. Rare calcite veins.

117.75 120.75 D0 13049  
120.75 123.77 D0 13050

121.64 126.51 FR S  
Highly fractured and broken core.

123.77 125.27 D0 13051

123.77128.36 0 - - PY 1 MG0.25  
0.25-1.5% disseminated pyr (some euhedral cubes). 0.25% mgt.

125.27 126.77 D0 13052

126.51 128.36 FOL 60 S  
Strong compact foliation oriented at 60 TCA.

126.77 126.77 D0 13053

| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 114.75 | 129.63 | fG    |                 |

(Continued from previous page)

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   | MINERALIZATION |  |      |    |      |       |    |     |      |      | SAMPLES |      |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----------------|--|------|----|------|-------|----|-----|------|------|---------|------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI             |  | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From | To | Sample |

128.36129.62SSF

M

126.77128.36D013054

Foliation obscured by moderate SSF and strong bt-alteration.

128.36129.63VS- -VW-W- - -

128.36129.630- -PY0.5MG0.5

128.36129.63D013055

Very strong shreddy/wispy bt-alteration; weakly silcified along with epidote associated with pyrite (+frequent gypsum veins).

Sulfides occur as disseminations with 0.25% pyr and 0.25-0.5% cpy. Elevated 0.5% mgt predominantly associated with shreddy bt-alteration.

129.62129.63CON60

Sharp contact with p.g. oriented at ~60 TCA that partially follows a gypsum vein.

| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 129.63 | 131.32 | pG    |                 |

Weak chl-epidote altered faintly kspar phyric bt-dominant p.g. Minor chlorite alteration of bt. Epidote replacing bt. Calcite along rare micro-fractures. Unfoliated; rock has a faint fabric. Sharp contact with f.g. oriented at 70 TCA. Unmineralized and non-magnetic. Unit intersected by a single pegmatite dike centered at 130.90m.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION |      |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|----------------|------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |                | From | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

129.63129.63D013056

129.63131.31NA

Unfoliated; rock has a faint fabric.

From

To

Litho

Oxidation Limit

129.63

131.32

pG

Weak chl-epidote altered faintly kspar phyric bt-dominant p.g. Minor chlorite alteration of bt. Epidote replacing bt. Calcite along rare micro-fractures. Unfoliated; rock has a faint fabric. Sharp contact with f.g. oriented at 70 TCA. Unmineralized and non-magnetic. Unit intersected by a single pegmatite dike centered at 130.90m.

| STRUCTURES                                                                                                               |        |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    | MINERALIZATION                  |        |      |       |    |     |      |      |     |      | SAMPLES |        |        |        |       |
|--------------------------------------------------------------------------------------------------------------------------|--------|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|---------------------------------|--------|------|-------|----|-----|------|------|-----|------|---------|--------|--------|--------|-------|
| From                                                                                                                     | To     | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI | From                            | To     | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From   | To     | Sample |       |
| 129.63                                                                                                                   | 131.32 | W      | -  | W      | -          | VW | W   | -  | -  | -   |    |    |    |   |    | 129.63                          | 131.32 | 0    | -     | -  |     |      |      |     |      |         | 129.63 | 131.32 | D0     | 13057 |
| Weak chl-epidote altered p.g. Minor chlorite alteration of bt. Epidote replacing bt. Calcite along rare micro-fractures. |        |        |    |        |            |    |     |    |    |     |    |    |    |   |    | Unmineralized and non-magnetic. |        |      |       |    |     |      |      |     |      |         |        |        |        |       |
| 131.31                                                                                                                   | 131.32 | CON    | 70 |        |            |    |     |    |    |     |    |    |    |   |    |                                 |        |      |       |    |     |      |      |     |      |         |        |        |        |       |
| Sharp contact with f.g. oriented at 70 TCA.                                                                              |        |        |    |        |            |    |     |    |    |     |    |    |    |   |    |                                 |        |      |       |    |     |      |      |     |      |         |        |        |        |       |

| From                                                                                                                                                                                                                                                                                                                                                                                                                               |        | To     |    | Litho  |            | Oxidation Limit |     |    |    |     |    |    |    |   |                |                                                                     |        |        |      |       |    |     |      |      |         |      |     |        |        |        |       |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|----|--------|------------|-----------------|-----|----|----|-----|----|----|----|---|----------------|---------------------------------------------------------------------|--------|--------|------|-------|----|-----|------|------|---------|------|-----|--------|--------|--------|-------|--|--|--|--|--|--|
| 131.32                                                                                                                                                                                                                                                                                                                                                                                                                             |        | 133.20 |    | fG     |            |                 |     |    |    |     |    |    |    |   |                |                                                                     |        |        |      |       |    |     |      |      |         |      |     |        |        |        |       |  |  |  |  |  |  |
| Mod bt-chl altered f.g. Chlorite alteration of mafics (gives the rock a pervasive green hue in areas). Rare calcite and gypsum veining. Calcite along micro-fractures. Moderately silicified. Moderate inconsistent foliation oriented at 60 TCA; minor crenulation. Sharp contact with e.g. oriented at 60 TCA. Sulfides occur as sub-trace 0.01% specks of pyr and cpy. 0.05% mgt. Rare thin pegmatite veins intersect the unit. |        |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |                                                                     |        |        |      |       |    |     |      |      |         |      |     |        |        |        |       |  |  |  |  |  |  |
| STRUCTURES                                                                                                                                                                                                                                                                                                                                                                                                                         |        |        |    |        | ALTERATION |                 |     |    |    |     |    |    |    |   | MINERALIZATION |                                                                     |        |        |      |       |    |     |      |      | SAMPLES |      |     |        |        |        |       |  |  |  |  |  |  |
| From                                                                                                                                                                                                                                                                                                                                                                                                                               | To     | Struct | CA | Strain | From       | To              | INT | SR | CL | SIL | CC | EP | AB | K | LI             |                                                                     | From   | To     | CPY% | Style | VG | Min | Min% | Min2 | M2%     | Min3 | M3% | From   | To     | Sample |       |  |  |  |  |  |  |
| 131.32                                                                                                                                                                                                                                                                                                                                                                                                                             | 133.19 | FOL    | 60 |        |            |                 |     |    |    |     |    |    |    |   |                |                                                                     | 131.32 | 133.20 | 0.01 | -     | -  | PY  | 0.01 | MG   | 0.05    |      |     | 131.32 | 133.20 | D0     | 13058 |  |  |  |  |  |  |
| Moderate inconsistent foliation oriented at 60 TCA; minor crenulation.                                                                                                                                                                                                                                                                                                                                                             |        |        |    |        |            |                 |     |    |    |     |    |    |    |   |                | Sulfides occur as sub-trace 0.01% specks of pyr and cpy. 0.05% mgt. |        |        |      |       |    |     |      |      |         |      |     |        |        |        |       |  |  |  |  |  |  |
| Mod bt-chl altered f.g. Chlorite alteration of mafics (gives the rock a pervasive green hue in areas). Rare calcite and gypsum veining. Calcite along micro-fractures. Moderately silicified.                                                                                                                                                                                                                                      |        |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |                                                                     |        |        |      |       |    |     |      |      |         |      |     |        |        |        |       |  |  |  |  |  |  |
| 133.19                                                                                                                                                                                                                                                                                                                                                                                                                             | 133.20 | CON    | 60 |        |            |                 |     |    |    |     |    |    |    |   |                |                                                                     |        |        |      |       |    |     |      |      |         |      |     |        |        |        |       |  |  |  |  |  |  |
| Sharp contact with e.g. oriented at 60 TCA.                                                                                                                                                                                                                                                                                                                                                                                        |        |        |    |        |            |                 |     |    |    |     |    |    |    |   |                |                                                                     |        |        |      |       |    |     |      |      |         |      |     |        |        |        |       |  |  |  |  |  |  |



| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 146.93 | 148.65 | Peg   |                 |

Qtz-kspar-plag-bt pegmatite dike. Elongate bt. Intermingled granodiorite material in the core of the unit extending towards the lower contact. Irregular contact with f.g. oriented at 60 TCA. Unmineralized and non-magnetic.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     |      | SAMPLES |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|------|---------|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3 | M3%     | From | To | Sample |

146.93 148.64 NA

Intermingled granodiorite material.

|        |        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                 |        |   |   |   |   |   |   |   |   |   |        |        |    |       |  |
|--------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------------------------------|--------|---|---|---|---|---|---|---|---|---|--------|--------|----|-------|--|
| 146.93 | 148.65 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 146.93                          | 148.65 | 0 | - | - | - | - | - | - | - | - | 146.93 | 148.65 | D0 | 13061 |  |
|        |        |   |   |   |   |   |   |   |   |   |   |   |   |   |   | Unmineralized and non-magnetic. |        |   |   |   |   |   |   |   |   |   |        |        |    |       |  |

148.64 148.65 CON 60

Irregular contact with f.g. oriented at ~60 TCA.

| From   | To     | Litho | Oxidation Limit |
|--------|--------|-------|-----------------|
| 148.65 | 150.56 | fG    |                 |

Strong bt-altered grt-bearing f.g. Wipsy shreddy bt-alteration. Moderately silicified. Minor pink-orange fracture-controlled k-alteration associated with margins of chloritization. Rare gypsum veins. Weak calcite. Mod SSF of the foliation; angle TCA varies. Sharp contact with e.g. oriented at 70 TCA. 0.05% specks of cpy. 0.05% mgt.

| STRUCTURES |    |        |    |        | ALTERATION |    |     |    |    |     |    |    |    |   |    |  | MINERALIZATION |    |      |       |    |     |      |      |     | SAMPLES |     |      |    |        |
|------------|----|--------|----|--------|------------|----|-----|----|----|-----|----|----|----|---|----|--|----------------|----|------|-------|----|-----|------|------|-----|---------|-----|------|----|--------|
| From       | To | Struct | CA | Strain | From       | To | INT | SR | CL | SIL | CC | EP | AB | K | LI |  | From           | To | CPY% | Style | VG | Min | Min% | Min2 | M2% | Min3    | M3% | From | To | Sample |

148.65 149.60 D0 13062

148.65 150.55 SSF M

Mod SSF of the foliation; angle TCA varies.

|        |        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                                                                                                                                                                                                           |        |      |   |   |    |      |  |  |  |  |  |  |  |  |  |  |
|--------|--------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------|---|---|----|------|--|--|--|--|--|--|--|--|--|--|
| 148.65 | 150.56 | S | - | M | M | - | - | - | - | W | - | - | - | - | - | 148.65                                                                                                                                                                                                    | 150.56 | 0.05 | - | - | MG | 0.05 |  |  |  |  |  |  |  |  |  |  |
|        |        |   |   |   |   |   |   |   |   |   |   |   |   |   |   | Strong bt-altered f.g. Wipsy shreddy bt-alteration. Moderately silicified. Minor pink-orange fracture-controlled k-alteration associated with margins of chloritization. Rare gypsum veins. Weak calcite. |        |      |   |   |    |      |  |  |  |  |  |  |  |  |  |  |

0.05% specks of cpy. 0.05% mgt.

149.60 149.60 D0 13063





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## MEMORANDUM

**To:** Brad Mercer  
Sherwood Copper Corp.

**Date:** 23 Aug 07

**From:** Ivan Drury

**Re:** Minto 2007 Gradient IP survey – preliminary report

This memorandum is a preliminary report describing the survey conducted in 2007 as part of an ongoing Gradient IP survey conducted at the Minto Property, Whitehorse Mining District, Yukon Territory. Thirty-three line-km were surveyed in 2006. The 2007 survey was conducted in two parts, from 29 May to 21 June and from 22 July to 19 August. One-hundred thirty-eight line-km were surveyed in 2007.

Grids 3, 4, 5, 6, 7, 9, and 10 were cut by a linecutting crew from May until July. Lines have same naming convention as 2006, they are differentiated throughout this report with a suffix "(07)" to indicate they were surveyed in 2007. Grids 1, 2, 3, 4, and 7 (07) were surveyed in May and June. The remaining cut grids were surveyed in July and August. An additional grid, "0" was added to the job and surveyed in August. No lines were cut for grid 0, the brush in the area was thin enough that an effective survey was conducted with GPS and compass used by the IP crew for line navigation. Each line was continued from the cut line-ends from grid 2 (06), and grid 1 (07). The North-Western section of grid 0 overlaps 300m North-South with the South-Eastern section of grid 1 (07). Line ends and each 300m were marked with Tyvek tags for the grids completed in July and August. A full survey log is appended as a pdf to the digital version of this report.

### a. Crew and equipment.

The IP surveys were conducted by the following personnel:

|              |                                                |
|--------------|------------------------------------------------|
| Ian Kickbush | Crew chief (May 29 – June 21)                  |
| Ivan Drury   | Crew chief (July 22 – Aug 19)                  |
| Remy Beaupre | Helper (May 29 – June 21 and July 22 – Aug 19) |

|                     |                                                |
|---------------------|------------------------------------------------|
| Marc-Andre Belcourt | Helper (May 29 – June 21 and July 22 – Aug 19) |
| Shawn Scott         | Helper (May 29 – June 21)                      |
| Anna MacDonald      | Helper (July 22 – Aug 19)                      |

The crew was equipped with the following instruments and equipment:

|                |                                                                          |
|----------------|--------------------------------------------------------------------------|
| IP receiver    | 1 Iris Elrec 6 s/n 267                                                   |
| IP transmitter | 1 GDD TxII 3.6 kW s/n Tx120                                              |
|                | 1 Honda 5kW generator                                                    |
| IP equipment   | 1 Repair tools & spare IP parts                                          |
|                | 9 km 18 gauge wire                                                       |
|                | 4 6 conductor 300m gradient cables                                       |
|                | 5 VHF handheld radios                                                    |
|                | 1 VHF base radio                                                         |
|                | Georeels & spools, Speedy winders and spools, stainless steel electrodes |
|                | 1 Laptop with Geosoft IP package                                         |
| Other          | 1 Truck                                                                  |
|                | 1 GlobalStar satellite phone with data package                           |

#### **b. IP survey specifications.**

The IP survey was conducted according to the following specifications:

|                   |                                                                                                                                                              |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Array             | Gradient                                                                                                                                                     |
| Dipole spacing    | 50 m                                                                                                                                                         |
| Tx                | Time domain, 50% duty cycle, reversing polarity, 0.125 Hz.                                                                                                   |
| Stacks            | Minimum 15                                                                                                                                                   |
| Rx error          | 5 mV/V or less, otherwise repeated several times                                                                                                             |
| Grid registration | Handheld GPS points every 300 m, and line-ends averaged 60 s or until estimated accuracy < 10 m, whichever was longer. All coordinates in NAD83 UTM Zone 8N. |

| Current<br>Electrode<br>Positions | Grid |       | UTME   |         |       | UTME   |         |
|-----------------------------------|------|-------|--------|---------|-------|--------|---------|
|                                   |      |       | UTME   | UTMN    |       | UTME   | UTMN    |
|                                   | 1    | North | 385325 | 6945825 | South | 385325 | 6942375 |
|                                   | 2    | North | 385700 | 6945825 | South | 385700 | 6942375 |
|                                   | 3    | North | 382287 | 6946264 | South | 382289 | 6943445 |
|                                   | 7    | North | 385800 | 6947000 | South | 385800 | 6944300 |
|                                   | 4    | North | 382289 | 6947164 | South | 382289 | 6944350 |
|                                   | 0    | North | 385747 | 6944494 | South | 385783 | 6942088 |
|                                   | 5    | North | 384149 | 6947151 | South | 384148 | 6944356 |
|                                   | 6    | North | 385051 | 6947150 | South | 385056 | 6944352 |
|                                   | 9    | North | 383800 | 6947996 | South | 384253 | 6946151 |
|                                   | 10   | North | 383951 | 6949850 | South | 383947 | 6947049 |

### c. Data processing.

Data was downloaded nightly from the receiver and imported into Geosoft Oasis Montaj IP package. Every reading was inspected and readings with high error or which did not repeat were rejected from the dataset. Apparent resistivity was recalculated using a four electrode equation assuming a homogeneous earth. Readings were averaged using a weighted mean based on the number of stacks and the standard deviation of the chargeability.

Levelling between grids 1 (2006) and 1 (2007), as well as between grids 1 and 0, grids 3 and 4, and grids 4 and 5 was not needed because the mean difference between common points was less than the standard deviation between common points. Levelling between grids 9 and 10 was not possible because of a lack of common points taken in the survey. All other grids were levelled using previously levelled data from the 2006 survey and common data points between grids.

GPS points were dumped from the handheld units and the coordinates for the stations determined by linear interpolation between GPS points. The four grids as defined by current electrode placements were combined into a single comprehensive database. They are identifiable within this database by channels indicating "grid" number and the "year" they were surveyed.

The apparent chargeability, apparent resistivity and apparent chargeability error were gridded with a minimum curvature algorithm with a cell size of 20m. Apparent chargeability and apparent chargeability error were plotted using a linear colour distribution. Apparent resistivity was plotted using log linear colour distribution. Each map was exported in jpg format. Each variable, apparent chargeability, apparent chargeability error and apparent resistivity, has two map variations: a single colour grid with three x-markings for geo-referencing and a full map with station postings, line postings, lat. long coordinates, and full legends and scale bars. Each map is scaled to 1:10000.

**d. Products.**

The following data files are appended to the digital version of this report

|                                      |                                                                                                                                                                     |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Minto_Comp_Final.xyz                 | Final data in Geosoft ASCII xyz and gdb format.                                                                                                                     |
| Minto_Comp_Final.gdb                 |                                                                                                                                                                     |
| Spatial_Coordinates.xyz              | Three UTM coordinates (NAD 83, Zone 8N) which denote the x markings on the plan maps for Geo-registration purposes.                                                 |
| Spatial_Coordinates.gdb              |                                                                                                                                                                     |
| Minto_AppChg.pdf                     | Plan maps of apparent chargeability, apparent resistivity and chargeability error (scale = 1:10000). Colour-bar and legend included for each map as separate files. |
| Minto_AppChg_Clean.pdf               |                                                                                                                                                                     |
| Minto_AppChg_Colourbar.pdf           |                                                                                                                                                                     |
| Minto_AppChgErr.pdf                  |                                                                                                                                                                     |
| Minto_AppChgErr_Clean.pdf            |                                                                                                                                                                     |
| Minto_AppChgErr_Colourbar.pdf        |                                                                                                                                                                     |
| Minto_AppRes.pdf                     |                                                                                                                                                                     |
| Minto_AppRes_Clean.pdf               |                                                                                                                                                                     |
| Minto_AppRes_Colourbar.pdf           |                                                                                                                                                                     |
| Raw                                  | A folder with all the raw instrument dump files.                                                                                                                    |
| Minto 2007 IP Preliminary Report.pdf | A PDF of this report.                                                                                                                                               |
| Minto 2007 IP Field Report.pdf       | Survey log for all Grids surveyed in 2007                                                                                                                           |
| Minto 2007 Linecutting Log.pdf       | Survey log for 2007 linecutting.                                                                                                                                    |
| Minto 2007 IP Line Notes.pdf         | Line notes for 2007 survey                                                                                                                                          |

Respectfully submitted,  
**AURORA GEOSCIENCES LTD.**

Ivan Drury

Minto Grad IP - MXO-7672-YT  
DAILY OPERATIONS LOG  
2007

| Date      | Survey / standby | Rx  | Tx   | Cables     | Weather       | Lines         | From | To   | Line-km | Notes                                                                                                                                                                                                          |
|-----------|------------------|-----|------|------------|---------------|---------------|------|------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 07-May-29 | Mobe             |     |      |            | part-cloudy   |               |      |      |         | Arrived in Minto - Safety Orientations, Rolled up 3kms of wire left from Nov 2006 job.                                                                                                                         |
| May-30    | Set-up           |     |      |            | part-cloudy   |               |      |      |         | Layed out current wire for Grids 1 and 2. 7.5kms in total.                                                                                                                                                     |
| May-31    | Survey           | ian | marc | rem - shan | sunny         | <b>Grid 1</b> |      |      |         | Reciever Wire Shorting - used one cable from 3pm to 6pm                                                                                                                                                        |
|           |                  |     |      |            |               | 5500          | 4175 | 3275 | 0.9     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5450          | 4175 | 3275 | 0.9     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5400          | 4175 | 3875 | 0.3     |                                                                                                                                                                                                                |
| Jun-01    | Survey           | ian | rem  | shan-marc  | sunny         | <b>Grid 2</b> |      |      |         |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 6150          | 4775 | 4175 | 0.6     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 6100          | 4775 | 4175 | 0.6     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 6050          | 4775 | 4175 | 0.6     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 6000          | 4775 | 4175 | 0.6     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5950          | 4775 | 4175 | 0.6     |                                                                                                                                                                                                                |
| Jun-02    | survey           | ian | shan | marc - rem | sunny         |               |      |      |         | 2 breaks in current wire. Black bear seen around vicinity. From 8am - 12pm looking for break.                                                                                                                  |
|           |                  |     |      |            |               | 5900          | 4775 | 4175 | 0.6     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5850          | 4775 | 4175 | 0.6     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5800          | 4775 | 4175 | 0.6     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5750          | 4775 | 4175 | 0.6     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5700          | 4775 | 4175 | 0.6     |                                                                                                                                                                                                                |
| Jun-03    | survey           | ian | marc | rem-shan   | partly cloudy |               |      |      |         | 2 breaks in current wire. Breaker went on the Tx. Fixed.                                                                                                                                                       |
|           |                  |     |      |            |               | 5650          | 4775 | 4175 | 0.6     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5600          | 4775 | 4175 | 0.6     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5550          | 4775 | 4175 | 0.6     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5500          | 4775 | 4175 | 0.6     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5450          | 4775 | 4175 | 0.6     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5400          | 4775 | 4175 | 0.6     |                                                                                                                                                                                                                |
| Jun-04    | survey           | ian | rem  | shan-marc  | partly cloudy |               |      |      |         | 2 breaks in current wire. Finished Grid 2. Moved current pits back to Grid 1 position.                                                                                                                         |
|           |                  |     |      |            |               | 5350          | 4775 | 4175 | 0.6     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5300          | 4775 | 4175 | 0.6     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5250          | 4775 | 4175 | 0.6     |                                                                                                                                                                                                                |
| Jun-05    | survey           | ian | shan | marc-rem   | partly cloudy | <b>Grid 1</b> |      |      |         | 2 breaks in current wire. Seems like Moose breaking wire.                                                                                                                                                      |
|           |                  |     |      |            |               | 5400          | 3875 | 3275 | 0.6     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5350          | 4175 | 3275 | 0.9     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5400          | 4175 | 3275 | 0.9     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5300          | 4175 | 3275 | 0.9     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5250          | 4175 | 3275 | 0.9     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5200          | 4175 | 3275 | 0.9     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5150          | 4175 | 3275 | 0.9     |                                                                                                                                                                                                                |
| Jun-06    | survey           | ian | marc | rem-shan   | rainy         |               |      |      |         | No breaks. Finished grid 1. Rolled up current wire for grids 1 and 2. Set Tx for grid 3.                                                                                                                       |
|           |                  |     |      |            |               | 5100          | 4175 | 3275 | 0.9     |                                                                                                                                                                                                                |
| Jun-07    | survey           | ian | rem  | shan-marc  | rainy         | <b>Grid 7</b> |      |      |         | Finished laying wire for grid 7.                                                                                                                                                                               |
|           |                  |     |      |            |               | 6100          | 6200 | 5300 | 0.9     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 6000          | 6200 | 5300 | 0.9     |                                                                                                                                                                                                                |
| Jun-08    | survey           | ian | marc | rem-shan   | sunny         |               |      |      |         |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5950          | 6200 | 5300 | 0.9     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5900          | 6200 | 5300 | 0.9     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5850          | 6200 | 5300 | 0.9     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5800          | 6200 | 5300 | 0.9     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5750          | 6200 | 5300 | 0.9     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5700          | 6200 | 5300 | 0.9     |                                                                                                                                                                                                                |
| Jun-09    | survey           | ian | marc | rem-shan   | rainy         |               |      |      |         | 2 breaks in current wire.                                                                                                                                                                                      |
|           |                  |     |      |            |               | 5650          | 6200 | 5300 | 0.9     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5600          | 6200 | 5300 | 0.9     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5550          | 6200 | 5300 | 0.9     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 5500          | 6200 | 5300 | 0.9     |                                                                                                                                                                                                                |
| Jun-10    | grid change      | ian | rem  | shan-marc  | sunny         |               |      |      |         |                                                                                                                                                                                                                |
| Jun-11    | survey           | ian | shan | marc-rem   | rainy         | <b>Grid 3</b> |      |      |         | Finished Grid 7. Wound up Grid 7 current wire. Bear in area. Had to wait for 45mins to let pass. Layed out wire for Grid 3. Generator pull string broke. Fixed. Moose broke wire in the morning and afternoon. |
|           |                  |     |      |            |               | 2800          | 5300 | 4400 | 0.9     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 2850          | 5300 | 4400 | 0.9     |                                                                                                                                                                                                                |
| Jun-12    | survey           | ian | shan | marc-rem   | rainy         |               |      |      |         |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 2900          | 5300 | 4400 | 0.9     |                                                                                                                                                                                                                |
|           |                  |     |      |            |               | 2950          | 5300 | 4400 | 0.9     |                                                                                                                                                                                                                |

|        |        |  |     |           |               |                         |        |      |      |       |
|--------|--------|--|-----|-----------|---------------|-------------------------|--------|------|------|-------|
|        |        |  |     |           |               | 3000                    | 5300   | 4400 | 0.9  |       |
|        |        |  |     |           |               | 3050                    | 5300   | 4400 | 0.9  |       |
|        |        |  |     |           |               | 3100                    | 5300   | 4400 | 0.9  |       |
|        |        |  |     |           |               | 3150                    | 5300   | 4400 | 0.9  |       |
| Jun-13 | survey |  | ian | marc      | rem-shan      | rainy/sun               | 3200   | 5300 | 4700 | 0.6   |
|        |        |  |     |           |               |                         | 3250   | 5300 | 4700 | 0.6   |
|        |        |  |     |           |               |                         | 3300   | 5300 | 4400 | 0.9   |
|        |        |  |     |           |               |                         | 3350   | 5300 | 4400 | 0.9   |
| Jun-14 | survey |  | ian | rem       | shan-marc     | sun/torrential downpour | 3400   | 5300 | 5000 | 0.3   |
|        |        |  |     |           |               |                         | 3450   | 5300 | 5000 | 0.3   |
|        |        |  |     |           |               |                         | 3500   | 5300 | 5000 | 0.3   |
|        |        |  |     |           |               |                         | 3550   | 5300 | 5000 | 0.3   |
|        |        |  |     |           |               |                         | 3600   | 5300 | 5050 | 0.25  |
|        |        |  |     |           |               |                         | 3650   | 5300 | 5050 | 0.25  |
|        |        |  |     |           |               |                         | 3700   | 5300 | 5050 | 0.25  |
| Jun-15 | survey |  | ian | shan      | marc-rem      | sun                     | Grid 4 |      |      |       |
|        |        |  |     |           |               |                         | 3700   | 6200 | 5300 | 0.9   |
|        |        |  |     |           |               |                         | 3650   | 6200 | 5300 | 0.9   |
|        |        |  |     |           |               |                         | 3600   | 6200 | 5600 | 0.6   |
|        |        |  |     |           |               |                         | 3550   | 6200 | 5600 | 0.6   |
| Jun-16 | survey |  | ian | marc      | rem-shan      | sun +20-+30C            | 3600   | 5600 | 5300 | 0.3   |
|        |        |  |     |           |               |                         | 3550   | 5600 | 5300 | 0.3   |
|        |        |  |     |           |               |                         | 3500   | 6200 | 5300 | 0.9   |
|        |        |  |     |           |               |                         | 3450   | 6200 | 5300 | 0.9   |
|        |        |  |     |           |               |                         | 3400   | 6200 | 5300 | 0.9   |
|        |        |  |     |           |               |                         | 3350   | 6200 | 5300 | 0.9   |
|        |        |  |     |           |               |                         | 3300   | 5600 | 5300 | 0.3   |
| Jun-17 | survey |  | ian | rem       | shan-marc     | sun+20C / rain          | Grid 3 |      |      |       |
|        |        |  |     |           |               |                         | 3700   | 5000 | 4700 | 0.3   |
|        |        |  |     |           |               |                         | 3650   | 5000 | 4700 | 0.3   |
|        |        |  |     |           |               |                         | 3600   | 5000 | 4700 | 0.3   |
|        |        |  |     |           |               |                         | 3550   | 5000 | 4700 | 0.3   |
|        |        |  |     |           |               |                         | 3500   | 5000 | 4700 | 0.3   |
|        |        |  |     |           |               |                         | 3450   | 5000 | 4400 | 0.6   |
|        |        |  |     |           |               |                         | 3400   | 5000 | 4400 | 0.6   |
| Jun-18 | survey |  | ian | shan      | marc-rem      | sun+25C                 | Grid 4 |      |      |       |
|        |        |  |     |           |               |                         | 3300   | 6200 | 5600 | 0.6   |
|        |        |  |     |           |               |                         | 3250   | 6200 | 5300 | 0.9   |
| Jun-19 |        |  | ian | shan/marc | marc-rem-shan | sun+25C                 |        |      |      |       |
|        |        |  |     |           |               |                         | 3200   | 6200 | 5300 | 0.9   |
|        |        |  |     |           |               |                         | 3150   | 6200 | 5300 | 0.9   |
|        |        |  |     |           |               |                         | 3100   | 6200 | 5300 | 0.9   |
|        |        |  |     |           |               |                         | 3050   | 6200 | 5300 | 0.9   |
|        |        |  |     |           |               |                         | 3000   | 6200 | 5300 | 0.9   |
|        |        |  |     |           |               |                         | 2950   | 6200 | 5300 | 0.9   |
|        |        |  |     |           |               |                         | 2900   | 6200 | 5300 | 0.9   |
|        |        |  |     |           |               |                         | 2850   | 6200 | 5300 | 0.9   |
|        |        |  |     |           |               |                         | 2800   | 6200 | 5300 | 0.9   |
| Jun-20 | survey |  |     |           |               |                         |        |      |      |       |
| Jun-21 | demobe |  |     |           |               |                         |        |      |      | 63.15 |

9 breaks in wire. 6 at 8am. 3 breaks at 12pm. Moose going through line.

3 breaks in the wire. Finished Grid 3 until 30ton rock truck switch routes.

Moved current wire, Tx and Current Pits from Grid 3 to Grid 4. 5 breaks in wire.

Moose broke wire at 11am. Blast at 12:45pm. Tx overheated at 2pm. Reciever cable shorted at 4pm. A reasonably bad day with reasonable production.

Switched current wire from Grid 3 to Grid 4. Moved current pits. Fixed 3 breaks in current wire. Fixed 7th electrode on reciever cable 2. Tx had logic problems.

Bear stalked Marc-Andre 9:45am. Re-grouped and all 4 of us reeled in Grid 3. Moose broke wire at 1pm. Was able to take readings after 4pm.

Finished Grid 4. Tx overheated after 4 hours in 25C weather with turbo on. Took 15mins to cool down.

rolled up current wire from Grid 4

rolled up extra current wire found from last year - drove to whitehorse

Minto Grad IP - MXO-7672-YT  
DAILY OPERATIONS LOG  
July - Aug 2007

| Date | Survey / standby | Hours | Rx | Tx | Cables | Weather | Lines | From | To | Line-km | Total km | Notes |
|------|------------------|-------|----|----|--------|---------|-------|------|----|---------|----------|-------|
|------|------------------|-------|----|----|--------|---------|-------|------|----|---------|----------|-------|

|        |          |      |      |      |             |                                              |                                                              |                                                              |                                                              |                                                      |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------|----------|------|------|------|-------------|----------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Jul-22 | Mobe day | n/a  |      |      |             | Cloudy but warm (20deg). Brief lightning     |                                                              |                                                              |                                                              |                                                      |      | Arrived in Minto and set up. Safety orientation for Ivan. Others had been here before and not req'd. Ivan and Remy drove roads and laid plans for current pits and wires. General equip prep.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Jul-23 | Survey   | 10   | Ivan | Remy | Anna & M-A  | Sunny & >25degrees. Lightning storm 5pm      | 5500<br>5450                                                 | 5300<br>5400                                                 | 6200<br>5700                                                 | 0.9<br>0.3                                           | 1.2  | Intro safety meeting in AM. Spent most of day setting up current pits for Box6. Had to dig trench to cross main road to exploration camp and route wire through culvert under main camp road. Set up Tx on upper road that branches off at Km4 of main rd. ISSUES: Potential cable broke while MA pulled it up. Remy fixed it in evening. Data from day did not save in Rx. Need to redo lines again tomorrow. Need to move current wire to another culvert to avoid camp more. Brad requested that we not survey in camp at all, but stop at tree line North of camp and the mine.                                                                                               |
| Jul-24 | Survey   | 12   | Ivan | M-A  | Anna&Remy   | Sunny & > 25degrees                          | 5500<br>5450<br>5400<br>5350                                 | 5300<br>5400<br>5400<br>5300                                 | 6200<br>6200<br>6200<br>6200                                 | 0.9<br>0.8<br>0.8<br>0.9                             | 3.4  | Safety mtg in AM. Had to move current wire first thing due to request from Minto mine; did not start survey until noon. Broke cables three times and lost more time due to that. Worked until 8pm. Dragging cables causes damage but saves a lot of time overall.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Jul-25 | Survey   | 10.5 | Ivan | Anna | M-A&Remy    | Sunny & >25degrees                           | 5300<br>5250<br>5200<br>5150                                 | 5300<br>5300<br>5300<br>5300                                 | 6200<br>6200<br>6200<br>6200                                 | 0.9<br>0.9<br>0.9<br>0.9                             | 3.6  | Safety mtg AM. Open loop first thing, found it eventually inside culvert, but survey was delayed beginning until 1:30pm due to this open loop. Broke cables three times: two were fixed in field, one after work. One field repair was to a receiver end.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Jul-26 | Survey   | 11   | Ivan | Remy | Anna&M-A    | Scattered cloud in AM, PM clear & over       | 5100<br>5050<br>5000<br>4950                                 | 5300<br>5300<br>5300<br>5300                                 | 6200<br>6200<br>5900<br>5900                                 | 0.9<br>0.9<br>0.6<br>0.6                             | 3.6  | Safety mtg AM. Found open loop before starting survey, 2 breaks between culvert on main rd and the Tx. Started readings at 10am, then another break at 10:40am. Found open loop in same area as first break, Remy found a dead rabbit by the wire and 6 chew marks in wire. Marc-Andre saw bear tracks near another break, heard crashing in the bush and smelled bear - fired                                                                                                                                                                                                                                                                                                    |
| Jul-27 | Survey   | 10   | Ivan | M-A  | Anna&Remy   | AM: overcast, some rain. PM: clear &         | 5000<br>4950<br>4900<br>4850<br>4800<br>4750<br>4700<br>4600 | 5900<br>5900<br>5300<br>5300<br>5300<br>5300<br>5900<br>5900 | 6200<br>6200<br>6200<br>6200<br>6200<br>6200<br>6200<br>6200 | 0.3<br>0.3<br>0.9<br>0.9<br>0.9<br>0.9<br>0.3<br>0.3 | 4.8  | Safety meeting AM. Line 4650 not cut by linecutters. Skipped it at the end of the day and will have to do it tomorrow uncut.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Jul-28 | Survey   | 10   | Ivan | Anna | Remy&M-A    | AM: Overcast PM: Scattered cloud and         | 4700<br>4650<br>4600                                         | 5300<br>5300<br>5300                                         | 5900<br>6200<br>5600                                         | 0.6<br>0.9<br>0.3                                    | 1.8  | Safety meeting AM. Read line 4650 uncut. 5300-5400 not cut by linecutters on L4700, 4600. Changed pits to start Grid 5 tomorrow. Had to make 4 road crossing trenches on drill roads off airport road; have to finish these trenches tomorrow. North current pit is in Grid 9, had zero radio contact in the area. Need to find out how to maintain radio contact while out of current range. SAFETY: Ivan got a stick in his eye, not serious.                                                                                                                                                                                                                                   |
| Jul-29 | Survey   | 9    | Ivan | Remy | M-A & Anna  | AM: O/Cst, 15deg. PM: thunderstorm from13:30 | 4600<br>4550                                                 | 5900<br>5900                                                 | 6200<br>6200                                                 | 0.3<br>0.3                                           | 0.6  | Spent AM finishing Pit5South trenches to cross drill roads. Open loop discovered at Tx before rdgs. Moved Tx 500 m up rd for radio comm. Started readings at 13:45. Many repeats on all readings b/c Error levels very high (>20). As storm came in stronger the Errors increased and became impossible to read. Sp flux by 300% between repeats. Called weather break at 3pm, and packed up 4pm when storm got worse still.                                                                                                                                                                                                                                                      |
| Jul-30 | Survey   | 11   | Ivan | M-A  | Remy & Anna | Hot (30deg+) day. Thunderstorm directly      | 4600<br>4550<br>4500<br>4400<br>4350                         | 5300<br>5300<br>5350<br>5300<br>5300                         | 5900<br>5900<br>6200<br>5900<br>5600                         | 0.6<br>0.6<br>0.85<br>0.6<br>0.3                     | 2.95 | Open loop AM on North side. As soon as it was fixed, an animal broke the line on South side. Had to move current wire on South side from road construction. Did not start rdgs until 1pm. EQUIP: Rec'd 2 new cables from whitehorse; both were built with takeout breaks outside of heat shrink. One broke in two places immediately upon being laid. Ivan fixed one while readings held up by open loops, other will fix on Tx tomorrow. Another cable snapped near the end of the day. Ran three cables on the lines at once. Three lines were not cut well or at all in the south ends. This slowed production as well. Readings were shut down by thunderstorm and lightning. |
| Jul-31 | Standby  | 12   | Ivan | Anna | Remy & M-A  | AM: Hot and clear (25deg) PM:                |                                                              |                                                              |                                                              |                                                      |      | All four cables broke first thing in the AM. Blast at 12:30pm, had to leave field at 11:30am to report to office for blast safety. Thunderstorm started with close lightning strikes at 12:30. We rolled up all cables and spent the rest of the day rebuilding all 4 cables.                                                                                                                                                                                                                                                                                                                                                                                                     |

|        |         |    |              |      |             |                                                                                     |                                                                                      |                                                                                      |                                                                                      |                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------|---------|----|--------------|------|-------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aug-01 | Survey  | 11 | Ivan         | Remy | Anna & M-A  | Storm all night, fair early, hot (approx 28deg) with storm in distance in afternoon | 4450<br>4400<br>4350<br>4300<br>4250                                                 | 5350<br>5900<br>5600<br>5400<br>5450                                                 | 6200<br>6200<br>6200<br>6200<br>6200                                                 | 0.85<br>0.3<br>0.6<br>0.8<br>0.75                                         | Started new work schedule today, starting in the field at 7am, just after the safety meeting, in order to try to beat the thunderstorms in the afternoon. Two consecutive open loops in AM, started readings at 11:30am. Tx stopped giving current without lighting any explanation. Off/On fixed the problem for the rest of the day. Cable broke at last takeout (and only position we did not fix yesterday). Anna fixed it on the spot. Cont'd readings. More lines not cut or flagged by linecutters (see line notes). Decent production with interruptions and difficulties of the day.                                                                                                                                                     |
| Aug-02 | Survey  | 14 | Ivan         | M-A  | Remy & Anna | AM Overcast, hot (approx 25-30deg) rest                                             | 4200<br>4150<br>4100<br>4050<br>4000<br>3950<br>3900<br>3850                         | 5450<br>5450<br>5500<br>5500<br>5450<br>5450<br>5450<br>5450                         | 6200<br>6200<br>6200<br>6200<br>6200<br>6200<br>6200<br>6200                         | 0.75<br>0.75<br>0.7<br>0.7<br>0.75<br>0.75<br>0.75<br>0.75                | Worked in field from 7am to 9pm today. Would have finished long before 9, but 3 cables broke in last leg of the day. Anna fixed one, Remy another, and Ivan attempted to fix the third but could not locate the break. Read the line with a wire going out to the electrode from Rx station. Ran 4 cables at once going south then north, seemed to work out well.<br><br>5.9                                                                                                                                                                                                                                                                                                                                                                     |
| Aug-03 | Survey  | 11 | Ivan         | Anna | Remy & M-A  | AM overcast. Noon: heavy cloud and storm.                                           | 3800<br>3750<br>3700                                                                 | 5400<br>5350<br>5300                                                                 | 6200<br>6200<br>6200                                                                 | 0.8<br>0.85<br>0.9                                                        | Open loop in AM, all wire showed through multimeter as open loop. Tx showed OLP. Found 2 breaks on hill to Tx and four on north side. Searched whole wire on south side (twice) with no results. Started rdgs at 12:30pm, when storm started. Finished Grid 5.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Aug-04 | Survey  | 11 | Pit transfer |      |             | Overcast                                                                            | 0                                                                                    | 0                                                                                    | 0                                                                                    | 0                                                                         | 0 Spent all day taking down the pits of box 5 and setting up box 0, the new south grid to the south of the airstrip. Got a flat tire in the truck, replaced with the spare.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Aug-05 | Survey  | 11 | Ivan         | Remy | M-A & Anna  | Overcast                                                                            | 6200<br>6150<br>6100<br>6050                                                         | 3000<br>3000<br>3300<br>3300                                                         | 3600<br>3600<br>3600<br>3600                                                         | 0.6<br>0.6<br>0.3<br>0.3                                                  | Had problems with consistency between GPS points we were given and the positions of the ends of cut lines to the north of Grid 0. Had very slow going with the bushwacking for this grid, difficulty with correcting the lines from the incorrect end points the cut lines ended at. However, the readings were smooth, low contact res and low error overall. Have to pay attention to the deadfall for crew; potential hazard on this grid. Decided to roll up rather than drag cables between all positions because dragging will cause too much damage to them here.                                                                                                                                                                          |
| Aug-06 | Survey  | 11 | Ivan         | M-A  | Remy & Anna | Stormy all day, some rain; heavy wind.                                              | 6100<br>6050<br>6000<br>5950<br>5900<br>5850                                         | 3000<br>3000<br>3000<br>3000<br>3000<br>3000                                         | 3300<br>3300<br>3600<br>3600<br>3600<br>3600                                         | 0.3<br>0.3<br>0.6<br>0.6<br>0.6<br>0.6                                    | Continued bushwack of grid 0. Better bushwack conditions than yesterday. Still lost a lot of time to correcting crooked lines. Very high error all day on every station, many repeats per station. Sp was stable, so though the weather was windy and stormy, errors were probably on account of the drill and heavy equipment operating in the immediate area; 150m-50m away. At around 4pm, during thunderstorm to north, Tx cut out, lighted "Max Power Reached". Turned it off and on, returned to normal. Was not taking reading during probable spike in current. Remy gave short course to Anna and Marc-Andre on orientation with compass and GPS. Anna exhausted, need to look out for general health of crew to avoid safety incidents. |
| Aug-07 | Standby |    |              |      |             | Rain storm all day                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                           | 0 Reading conductive area, took weather day because of heavy rain all day. In PM Remy and Ivan scouted access to Grid 9.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Aug-08 | Survey  | 15 | Ivan         | Anna | Remy & M-A  | Clear                                                                               | 5800<br>5750<br>5700<br>5650<br>5600<br>5550<br>5500<br>5450<br>5400<br>5350<br>5300 | 3000<br>3000<br>3000<br>3000<br>3000<br>3000<br>3000<br>3000<br>3000<br>3000<br>3000 | 3600<br>3600<br>3600<br>3600<br>3600<br>3600<br>3600<br>3600<br>3600<br>3600<br>3600 | 0.6<br>0.6<br>0.6<br>0.6<br>0.6<br>0.6<br>0.6<br>0.6<br>0.6<br>0.6<br>0.6 | Reading in area that had been very noisy with drills active. No drills today, readings very smooth. Still bushwacking all lines, not cut. But lines 5300-5550 stns 3000-3300 had been cut and already surveyed in the early summer; resurveyed on request from client. Good day, eleven lines read.<br><br>6.6                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Aug-09 | Survey  | 10 |              |      |             | Clear, 20deg in PM                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                           | 0 Anna and Marc-Andre took down pits from Grid 0. Ivan and Remy cut a road 1.5km to access Grid 9 using chainsaw, machete, and ATV. Took generator and Tx to end of new road via ATV and Anna and Marc-Andre set up the south pit for Grid 9. Full day of prep.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|        |        |    |      |      |             |                                 |          |      |        |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------|--------|----|------|------|-------------|---------------------------------|----------|------|--------|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aug-10 | Survey | 11 | Ivan | Anna | Remy & M-A  | Clear & warm apx 15deg          | 3800     | 7100 | 7700   | 0.6 | 1.8 | Built north pit for Box 9 in AM. Finished and started reading at 2pm. Generator shut down twice on its own, probably due to not being level. Added oil and levelled ground. First day reading on Grid 9; greater contact resistance and more difficulty getting current into the ground.                                                                                                                                                                                                  |
|        |        |    |      |      |             |                                 | 3850     | 7100 | 7700   | 0.6 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 3900     | 7100 | 7700   | 0.6 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Aug-11 | Survey | 13 | Ivan | Anna | Remy&M-A    | Warm, apx 18deg                 | 3800     | 7700 | 8000   | 0.3 | 5.4 | Discussed crew morale and teamwork in AM to dilute personality tensions growing between crew members. Agreed there will be no jokes tolerated at other crew members' expense. Problems with lines as cut. Line 4000 seemed to not be cut at all, actually just 150m on north end of line. Did not survey it today. Cable broke on L3950, Remy fixed it on the spot. Anna extended the base radio antenna to allow it to be positioned higher above the treeline for better radio contact. |
|        |        |    |      |      |             |                                 | 3850     | 7700 | 8000   | 0.3 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 3900     | 7700 | 8000   | 0.3 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 3950     | 7100 | 8000   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 4050     | 7100 | 8000   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 4100     | 7100 | 8000   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 4150     | 7100 | 8000   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 4200     | 7100 | 8000   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Aug-12 | Survey | 9  | Ivan | Remy | Anna&M-A    | Clear & warm all day            | 4000     | 7100 | 8000   | 0.9 | 2.4 | Discussed need to work 10hour days despite the approx 2hr mobe and demobe each day for Grid 9 and 10. Open loop in AM, started readings 10:30am. Rx ran out of battery power at 2:15pm and wrapped up readings for the day. Marc-Andre reported a sore back, Ivan recorded (*see incident report) and it was passed on to Minto. He will be on Tx tomorrow to recover.                                                                                                                    |
|        |        |    |      |      |             |                                 | 4250     | 7100 | 8000   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 4300     | 7400 | 8000   | 0.6 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Aug-13 | Survey | 10 | Ivan | M-A  | Remy & Anna | Overcast and rain               | 4300     | 7100 | 7400   | 0.3 | 2.1 | Open loop first thing in AM. As soon as it was found, there was another break. Remy found the break and a black bear standing over it. He retreated, he and Ivan returned. Fired 3 bear bangers, alerted camp ahead of time. Possible that the bear followed him; but did not act aggressively towards him. Filled a report on the bear later with Minto. Did not start readings until 2:30pm because of wire breaks. Rx plugs broke on both cables used and also slowed readings down.   |
|        |        |    |      |      |             |                                 | 4350     | 7100 | 8000   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 4400     | 7100 | 8000   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Aug-14 | Survey | 10 | Ivan | Anna | Remy & M-A  | AM: Overcast PM: clear and warm | 4450     | 7100 | 8000   | 0.9 | 5.4 | Smooth day with good production for the grid; finished Grid 9. Marc-Andre's back felt better and he returned to the field from the Tx. Tx cut out in afternoon with the "Stop Tx" light showing. Started again and ran without further problems. Flat tire on the truck with spare tire already used. Vivian ordered in a new tire from town and it will be replaced in AM.                                                                                                               |
|        |        |    |      |      |             |                                 | 4500     | 7100 | 8000   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 4550     | 7100 | 8000   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 4600     | 7100 | 8000   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 4650     | 7100 | 8000   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 4700     | 7100 | 8000   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 |          |      |        |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Aug-15 | Survey | 11 | Ivan | Anna | Remy & M-A  | Clear and warm                  | 4200     | 8000 | 8900   | 0.9 | 1.8 | Took down Grid 9 pits and set up Grid 10 current pits. In afternoon set up and read 2 lines.                                                                                                                                                                                                                                                                                                                                                                                              |
|        |        |    |      |      |             |                                 | 4250     | 8000 | 8900   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Aug-16 | Survey | 12 | Ivan | Anna | Remy & M-A  | Hot. Over 35deg                 | 4300     | 8000 | 8900   | 0.9 | 6.3 | Very hot day. Climbed steep hills. Will finish Grid 10 tomorrow. Receiver plugs attached to cables broke twice. Ivan fixed quickly. At the end of the day a cable broke at the receiver plug splice. Fixed it on the spot.                                                                                                                                                                                                                                                                |
|        |        |    |      |      |             |                                 | 4150     | 8000 | 8900   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 4100     | 8000 | 8900   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 4050     | 8000 | 8900   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 4000     | 8000 | 8900   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 3950     | 8000 | 8900   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 3900     | 8000 | 8900   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Aug-17 | Survey | 12 | Ivan | M-A  | Remy & Anna | Hot. Apx 30deg                  | 3850     | 8000 | 8900   | 0.9 | 5.4 | Very hot day. Finished Grid 10 and our crew's section of the Minto survey. Receiver plugs attached to cable broke. Ivan fixed. Takeout at the end of one cable broke, Remy fixed.                                                                                                                                                                                                                                                                                                         |
|        |        |    |      |      |             |                                 | 3800     | 8000 | 8900   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 3750     | 8000 | 8900   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 3700     | 8000 | 8900   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 3650     | 8000 | 8900   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | 3600     | 8000 | 8900   | 0.9 |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 |          |      |        |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Aug-18 | Survey | 6  |      |      |             | Hot. Apx 28deg                  |          |      |        |     |     | 0 Ivan packed everything out of Tx camp with ATV while everyone else took down the North Current pit. Cleaned up everything for demobe tomorrow.                                                                                                                                                                                                                                                                                                                                          |
| Aug-19 | Demobe |    |      |      |             |                                 |          |      |        |     |     | 0 Cleaned up camp, roll up leftover wire from old Tx site. Drove back to Whitehorse.                                                                                                                                                                                                                                                                                                                                                                                                      |
|        |        |    |      |      |             |                                 |          |      | 75.1   |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 |          |      | 63.15  |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |        |    |      |      |             |                                 | Total km |      | 138.25 |     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

**Minto Linecutting  
MXO-7527-YT  
DAILY PRODUCTION**

| Date      | Cutter        | Brusher        | Line-Kms    | Lines |
|-----------|---------------|----------------|-------------|-------|
| 26-May-07 | Dave<br>Erick | Sean<br>Shawn  | 0.8<br>0.25 |       |
| 27-May-07 | Dave<br>Erick | Sean<br>Shawn  | 1.2<br>0.6  |       |
| 28-May-07 | Dave<br>Erick | Sean<br>Shawn  | 1.1<br>0.9  |       |
| 29-May-07 | Dave<br>Erick | Sean<br>Shawn  | 1.1<br>0.7  |       |
| 30-May-07 | Dave<br>Erick | Thomas<br>Sean | 1.1<br>1    |       |
| 31-May-07 | Dave<br>Erick | Thomas<br>Sean | 0.9<br>0.55 |       |
| 01-Jun-07 | Dave<br>Erick | Thomas<br>Sean | 0.9<br>0.75 |       |
| 02-Jun-07 | Dave<br>Erick | Thomas<br>Sean | 0.6<br>0.7  |       |
| 03-Jun-07 | Dave<br>Erick | Thomas<br>Sean | 1.1<br>0.9  |       |
| 04-Jun-07 | Dave<br>Erick | Thomas<br>Sean | 0.85<br>1.2 |       |
| 05-Jun-07 | Dave<br>Erick | Thomas<br>Sean | 1.2<br>1.1  |       |
| 06-Jun-07 | Dave<br>Erick | Thomas<br>Sean | 1.2<br>1.1  |       |
| 07-Jun-07 | Dave<br>Erick | Thomas<br>Sean | 1.1<br>1.1  |       |
| 08-Jun-07 | Dave<br>Erick | Thomas<br>Sean | 1.6<br>1.6  |       |
| 09-Jun-07 | Dave<br>Erick | Thomas<br>Sean | 1.8<br>1.4  |       |
| 10-Jun-07 | Dave<br>Erick | Thomas<br>Sean | 1.3<br>0.8  |       |

|           |                       |                          |              |                 |
|-----------|-----------------------|--------------------------|--------------|-----------------|
| 11-Jun-07 | Dave<br>Erick         | Thomas<br>Sean           | 0.9<br>1.2   |                 |
| 12-Jun-07 | Dave<br>Sean          | Tom/Mike<br>Collin/Erick | 1.8<br>1     |                 |
| 13-Jun-07 | Dave<br>Sean          | Tom/Mike<br>Collin/Erick | 1.8<br>1     |                 |
| 14-Jun-07 | Erick<br>Sean         | Mike<br>Collin           | 1<br>1.1     |                 |
| 15-Jun-07 | Sean<br>Erick         | Collin<br>Mike           | 0.75<br>0.9  |                 |
| 16-Jun-07 | Sean<br>Erik          | Collin<br>Mike           | 1.075<br>1.3 | finished grid 4 |
| 17-Jun-07 | Sean<br>Erik          | Collin<br>Mike           | 1.2<br>1.1   | started grid 5  |
| 18-Jun-07 | Sean<br>Erik          | Collin<br>Mike           | 1.2<br>1.2   |                 |
| 19-Jun-07 | Sean<br>Erick         | Collin<br>Mike           |              |                 |
| 20-Jun-07 | Sean<br>Erick         | Collin<br>Mike           |              |                 |
| 21-Jun-07 | Sean<br>Erick<br>Dave | Collin<br>Mike<br>Thomas |              |                 |
| 22-Jun-07 | Sean<br>Erick<br>Dave | Collin<br>Mike<br>Thomas | 3.7km        |                 |
| 23-Jun-07 | Sean<br>Erick<br>Dave | Collin<br>Mike<br>Thomas | 3.0km        |                 |
| 24-Jun-07 | Sean<br>Erick         | Dave<br>Thomas           | 2.0km        |                 |
| 25-Jun-07 | Sean<br>Erick         | Dave<br>Thomas           | 2.3km        |                 |
| 26-Jun-07 | Sean<br>Erick         | Dave<br>Thomas           | 2.4km        |                 |
| 27-Jun-07 | Sean<br>Erick         | Dave<br>Thomas           | 2.7km        |                 |
| 28-Jun-07 | Sean<br>Erick         | Dave<br>Thomas           | 1.6km        |                 |

|           |                                 |                                 |        |  |
|-----------|---------------------------------|---------------------------------|--------|--|
| 29-Jun-07 | Sean<br>Erick                   | Dave<br>Thomas                  | 1.2km  |  |
| 30-Jun-07 | Sean<br>Erick                   | Dave<br>Thomas                  | 1.6km  |  |
| 01-Jul-07 | Sean<br>Erick                   | Dave<br>Thomas                  | 2.0km  |  |
| 02-Jul-07 | Sean<br>Erick                   | Dave<br>Thomas                  | 1.4km  |  |
| 03-Jul-07 | Sean<br>Erick                   | Dave<br>Thomas                  | 1.3km  |  |
| 04-Jul-07 | Sean<br>Erick                   | Dave<br>Thomas                  | 1.9km  |  |
| 05-Jul-07 | Sean<br>Erick                   | Dave<br>Thomas                  | 1.5km  |  |
| 06-Jul-07 | Sean<br>Erick<br>Dave<br>Thomas | Kate<br>Shawn<br>Anna<br>Sabine | 2.3km  |  |
| 07-Jul-07 | Sean<br>Erick<br>Dave<br>Thomas | Kate<br>Shawn<br>Anna<br>Sabine | 2.1km  |  |
| 08-Jul-07 | Sean<br>Erick<br>Dave<br>Thomas | Kate<br>Shawn<br>Anna<br>Sabine | 2.5km  |  |
| 09-Jul-07 | Sean<br>Erick<br>Dave<br>Thomas | Kate<br>Shawn<br>Anna<br>Sabine | 2.2km  |  |
| 10-Jul-07 | Sean<br>Erick<br>Dave<br>Thomas | Kate<br>Shawn<br>Anna<br>Sabine | 3.1km  |  |
| 11-Jul-07 | Sean<br>Erick<br>Dave<br>Thomas | Kate<br>Shawn<br>Anna<br>Sabine | 3.7km  |  |
| 12-Jul-07 | Sean<br>Erick<br>Dave<br>Thomas | Kate<br>Shawn<br>Anna<br>Sabine | 3.2km  |  |
| 13-Jul-07 | Sean<br>Erick<br>Dave<br>Thomas | Kate<br>Shawn<br>Anna<br>Sabine | Demobe |  |
| 14-Jul-07 | Sean<br>Erick                   | Kate<br>Sabine                  | Demobe |  |

**Minto Gradient IP 2007  
SURVEY & LINE NOTES**

| GRID   | LINE        | NOTES                                                                                                                     | Date                |
|--------|-------------|---------------------------------------------------------------------------------------------------------------------------|---------------------|
| Grid 1 |             | 1s is 1km away from grid: 2n is 1.5km's away from grid.                                                                   |                     |
| Grid 2 |             | 2n is 1km away from grid: 2s is 1.5km's away from grid.                                                                   |                     |
|        |             | 6050 stn 4175 - 4775 high ground noise - 3x repeats - 30 stacks - E above 1000 M above 900 (stn 4175 in camp)             | dipole trigger 2    |
|        |             | 6000 stn 4475 - 4175 high ground noise - 3x repeats - 15 stacks - E above 1000 M above 900                                | dipole trigger 3    |
|        |             | 5950 stn 4475 - 4775 high ground noise - 3x repeats - 15 stacks - E above 1000 M above 900                                | dipole trigger 3    |
|        | 6100 - 6000 | Cut lines were 25m west of GPS points                                                                                     |                     |
|        | 5650 - 5450 | stn 4475 - 4775 high ground noise - 3x repeats - 15 stacks                                                                | dipole trigger 3    |
|        | 6050 - 5450 | stn 4175 - 4275 dirt road with moderate traffic                                                                           |                     |
|        | 5350 - 5250 | stn 4475 - 4775 high ground noise - 3x repeats - 30 stacks                                                                | dipole trigger 1, 2 |
| Grid 1 |             | 5100 stn 4175 - 3275 high ground noise - 3x repeats - 15 stacks                                                           |                     |
| Grid 7 |             | 6100 4 dipoles used. Poles 6 and 7 were down a 45 degree slope wit a high traffic construction area                       |                     |
|        |             | 6000 5 dipoles used. Pole 7 in a high traffic construction area. Unable to set up.                                        |                     |
|        |             | 5600 5 dipoles used. Pole 7 in a high traffic construction area. Unable to set up.                                        |                     |
| Grid 3 |             | 3200 Last 300m of the 900m lines is taken by a sewage pond. Thus only able to take readings for 600m.                     |                     |
|        |             | 3250 Last 300m of the 900m lines is taken by a sewage pond. Thus only able to take readings for 600m.                     |                     |
|        | 3400 - 3550 | Only able to survey 300m (northend) of lines due to active tailing dump zone / road for 30ton RockTrucks. High noise.     |                     |
|        | 3600 - 3700 | Only able to survey 250m (northend). 6th dipole on active road. High ground noise.                                        |                     |
| Grid 4 |             | 3600 stn 6200 goes another 20m in length - 6220                                                                           |                     |
|        |             | 3700 stn 5900 - 6200 high noise - 4x repeats - 15 stacks - E around 40                                                    |                     |
|        |             | <b>Receiver Cable First Dipole Giving Small Spikes - Influx of Voltage - Resistance Problem??!!</b>                       |                     |
| Grid 3 | 3700-3500   | stn 4700 - 4400 unable to take readings due to tailings pond                                                              | Jun-17              |
|        |             | 3650 stn 5050 dipole 7 with E around 15 on road                                                                           | Jun-17              |
|        |             | 3550 stn 5050 dipole 1 with E around 15 on road                                                                           | Jun-17              |
|        |             | 3450 stn 4400 - 4700 high noise - 4x repeats - 15 stacks - E around 15 - flucuating current - 100mA decrease after 15mins | Jun-17              |
| Grid 4 |             | 3050 stn 6200 high noise on first dipole - 3x repeats - 15 stacks                                                         | Jun-19              |
|        |             | 3000 stn 5300 electrode 5 has high ground resistance above 50. Unable to get lower.                                       |                     |

**Minto Gradient IP July 2007  
SURVEY & LINE NOTES**

| GRID   | LINE | NOTES                                                                                                                                                                                                                     | Date   |
|--------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Grid 6 |      | Pit6 north and south are both 950m away from grid.                                                                                                                                                                        | Jul-22 |
|        |      | Current wire crosses two roads, plan to pass it through culverts. Expect difficulty in laying out current lines around camp                                                                                               | Jul-22 |
|        |      | Dug trench through main exploration camp road to pass the current wire through.                                                                                                                                           | Jul-23 |
|        |      | Used Ch1 as Tx synchronization trigger unless otherwise noted                                                                                                                                                             |        |
|        |      | 5450 Line crosses into camp for southernmost 100m. Stations begin at S5400.                                                                                                                                               | Jul-23 |
|        |      | 5500 Data from day did not save in Rx. Need to resurvey the line.                                                                                                                                                         | Jul-23 |
|        |      | 5400 Line crosses into camp for southernmost 100m. Stations begin at S5400.                                                                                                                                               | Jul-24 |
|        |      | 5350 High contact resistance (approx 15-20 Ohm-m) on stns 5900-6200. Salt water and tinfoil reduced it by half but still high                                                                                             | Jul-24 |
|        |      | 5350 Synchronized with Tx signal on Ch 3, Ch 1 was most noisy                                                                                                                                                             | Jul-24 |
|        |      | 5250 Contact res high (10-20 Ohm-m) on stns 5300-5600                                                                                                                                                                     | Jul-25 |
|        |      | Line located above blasting pit                                                                                                                                                                                           | Jul-25 |
|        |      | 5200 High contact res (15 Ohm-m approx)                                                                                                                                                                                   | Jul-25 |
|        |      | Line located above blasting pit                                                                                                                                                                                           | Jul-25 |
|        |      | 5150 High contact res (as much as 20 Ohm-m approx). Readings still clear and low Err.                                                                                                                                     | Jul-25 |
|        |      | Line located above blasting pit                                                                                                                                                                                           | Jul-25 |
|        |      | 5050 High contact res stns 5600-5900                                                                                                                                                                                      | Jul-26 |
|        |      | Stns 5300-5600 located above mine workings yard and a lot of heavy equip                                                                                                                                                  | Jul-26 |
|        |      | 4900 Stn 5900-6200 high contact res (over 20 KOHms) went down to approx 10K with salt water and tinfoil. Treated most electro                                                                                             | Jul-27 |
|        |      | 4700 Stns 5300-5400 not cut by linecutters, read through bushwack                                                                                                                                                         | Jul-28 |
|        |      | 4650 Line NOT cut by linecutters, read through bushwack (took too much time)                                                                                                                                              | Jul-27 |
|        |      | 4600 Stns 5300-5400 not cut by linecutters, read through bushwack                                                                                                                                                         | Jul-28 |
|        |      | Read stations 5300-5600 and 5900 to 6200 as part of grid 6 to crossover with Grid 5. Will read whole line as Grid 5, crossed over south and north sections to coincide with potential anomalies as shown in working maps. | Jul-28 |
| Grid 5 |      | Current wire crossed four drill roads on slope above airport road. Cut trenches in the road to facilitate crossing.                                                                                                       | Jul-28 |
|        |      | 4600 Reading whole line as part of Box5                                                                                                                                                                                   | Jul-29 |
|        |      | High error readings stns 5900-6200. Took repeats, only saved readings with errors below 10.                                                                                                                               | Jul-29 |
|        |      | High error readings stns 5600-5900. Could not get reliable data. Stopped readings due to storm which probably caused err                                                                                                  | Jul-29 |
|        |      | 4550 High error readings stns 5900-6200. Took repeats, only saved readings with errors below 10.                                                                                                                          | Jul-29 |
|        |      | Stn 5600-5900 high error readings (Res +20). Couldn't lower.                                                                                                                                                              | Jul-30 |
|        |      | South end of line runs into blasting pit                                                                                                                                                                                  | Jul-30 |
|        |      | 4500 South end cut short 50m (5350) by mine.                                                                                                                                                                              | Jul-30 |
|        |      | 4450 Southern 300m not cut, flagged or picketed. Have to read it from north end down.                                                                                                                                     | Jul-30 |
|        |      | Stns 5600-5900 noted high error and fluxuating Sp                                                                                                                                                                         | Aug-01 |
|        |      | Stns 5300-5600 read with thunder approaching from south, but not as much Sp fluxuation as previous.                                                                                                                       | Aug-01 |
|        |      | Blasting pit cut off south end at Stn 5350                                                                                                                                                                                | Aug-01 |
|        |      | 4350 Not cut or picketed clearly for southernmost 200m. Difficulty laying cables and reading.                                                                                                                             | Jul-30 |
|        |      | Stn 5600-5900 high contact res (>20), couldn't lower                                                                                                                                                                      | Aug-01 |
|        |      | Stn 5600-5900 high error, numerous repeats; noted fluxuation in Sp by hundreds of points.                                                                                                                                 | Aug-01 |
|        |      | South end of line meets edge of blasting pit                                                                                                                                                                              | Aug-01 |
|        |      | 4300 Blasting pit cut off south end at Stn 5400                                                                                                                                                                           | Aug-01 |
|        |      | Re-read stns 5900-6200 to correct mis-placement of wire-harness into Rx first time                                                                                                                                        | Aug-03 |
|        |      | 4250 Roads and blasting pit cut off south end at Stn 5450                                                                                                                                                                 | Aug-01 |
|        |      | High contact resistance Stns 5450-5600. Could not lower.                                                                                                                                                                  | Aug-01 |
|        |      | 4200 Line interrupted at stn 5450 by blasting pit to south                                                                                                                                                                | Aug-02 |
|        |      | 4150 Line interrupted at stn 5450 by blasting pit to south                                                                                                                                                                | Aug-02 |

|           |                                                                                                                            |        |
|-----------|----------------------------------------------------------------------------------------------------------------------------|--------|
|           | 4100 Line interrupted at stn 5500 by blasting pit to south                                                                 | Aug-02 |
|           | 4050 Line interrupted at stn 5500 by blasting pit to south                                                                 | Aug-02 |
|           | 4000 Line interrupted at stn 5450 by blasting pit to south                                                                 | Aug-02 |
|           | Cable broke at takeout 6, could not fix it; read line with wire run 250m from Rx station                                   | Aug-02 |
|           | 3950 Line interrupted at stn 5450 by blasting pit to south                                                                 | Aug-02 |
|           | High contact res at stn 5825, could not lower                                                                              | Aug-02 |
|           | 3900 Line interrupted at stn 5450 by blasting pit to south                                                                 | Aug-02 |
|           | Cable broke at takeout 7, Anna fixed it on site                                                                            | Aug-02 |
|           | 3850 Line interrupted at stn 5450 by blasting pit to south                                                                 | Aug-02 |
|           | 3800 Line interrupted at stn 5400 by blasting pit to south                                                                 | Aug-03 |
|           | High contact res on stn 5775 (>45KOhms), brought down to 20K with salt water, reduced error by moving crew away from       | Aug-03 |
|           | Stns 5900-6200 trigger on Ch 6 due to poor signal to noise ratio on Ch 1                                                   | Aug-03 |
|           | 3750 Line interrupted at stn 5350 by blasting pit to south                                                                 | Aug-03 |
|           | Stn 5350-5600 read with synchronizing trigger on dipole 5 due to signal noise on dipole 1                                  | Aug-03 |
|           | High error readings on stn 5350, RptX3, stackX15 ea. Operator moved away from stn, cleared up.                             | Aug-03 |
|           | Stn 5875 high contact resistance, lowered only to 25KOhms with salt water and moving.                                      | Aug-03 |
|           | Stns 5900-6200 trigger on Ch 5 due to poor signal to noise ratio on 1                                                      | Aug-03 |
|           | 3700 Crossover line with grid 4, read whole line                                                                           | Aug-03 |
| Grid 0    |                                                                                                                            |        |
| ALL       | Grid not cut by linecutters. IP crew had to bushwack the whole thing.                                                      |        |
|           | Orientation of lines done on the spot by IP crew using Garmin 72 GPS units and compasses with 24 declination.              |        |
|           | Expect lines to be less N/S straight than other lines in other grids.                                                      |        |
| Pit notes | The south pit is at 870meters from south centre of the grid. North pit at 950meters from north centre of grid.             |        |
|           | High current easily reached: I = approx 1.100A at only Tx 350V                                                             |        |
| 6200      | Stn 3200 high contact resistance because a hammer was used as electrode when the electrode for the station was lost        | Aug-05 |
|           | General contact res very low (<0.5)                                                                                        | Aug-05 |
| 6150      | General contact res very low (<0.5)                                                                                        | Aug-05 |
| 6100      | General contact res very low (<0.5)                                                                                        | Aug-05 |
|           | High error (>20) stns 3000-3300 due to proximity to drill. 10+ repeats taken, >3 saved at stacks of >15.                   | Aug-06 |
|           | Attempted trigger on numerous stations and settled on Ch 4                                                                 | Aug-06 |
| 6050      | General contact res very low (<0.5)                                                                                        | Aug-05 |
|           | High error (>20) continue, standardized repeats of at least 3 with stacks of >15.                                          | Aug-06 |
| 6000      | High error (>20) continue, standardized repeats of at least 3 with stacks of >15.                                          | Aug-06 |
| 5950      | High error (>20) continue, standardized repeats of at least 3 with stacks of >15.                                          | Aug-06 |
| 5900      | High error (>20) continue, standardized repeats of at least 3 with stacks of >15.                                          | Aug-06 |
| 5850      | High error (>20) continue, standardized repeats of at least 3 with stacks of >15.                                          | Aug-06 |
|           | Line passes through fresh drill pads                                                                                       | Aug-06 |
|           | Wind storm came up with thunderheads to south during reading of stns 3000-3300                                             | Aug-06 |
| 5800      | No drill or heavy equipment active the day these lines were surveyed. None of the problems with ground noise were          | Aug-08 |
| 5300      | present.                                                                                                                   |        |
| 5550      |                                                                                                                            |        |
| 5300      | Stns 3300-3600 already cut and surveyed in early summer. Re-surveyed on request from client.                               | Aug-08 |
| 5300      | Stns 3300-3600 high contact resistance compared to rest of grid. Line runs over excavated dirt mounds.                     | Aug-08 |
|           | Stns 3300-3600 read as drill was starting up at 8pm. High error (approx 10); repeated 3X stacked >15X                      | Aug-08 |
| Grid 9    |                                                                                                                            |        |
| ALL       | No road access to Grid 9. Difficulty with radio contact in more accessible area earlier demanded access. Spent one day     |        |
|           | cutting access by clearing an old road for ATV access to 1.5km north of Minto Access Road.                                 |        |
|           | Greater contact resistance through the west section of Grid 9; ground dry and rocky on a hillside.                         |        |
| Pit notes | North and South current pits each 950 meters from the Grid ends.                                                           |        |
|           | North Pit located at Line 2250 Stn 8950                                                                                    |        |
|           | South Pit located at Line 2250 Stn 6150                                                                                    |        |
|           | Current wire lines run at least 200m from the perimeter of the Grid.                                                       |        |
|           | More difficult to get current into the ground here than in previous Grids. Previously reached a current of over 1Amp with  |        |
|           | only 350V, running 2000V to get same current in Grid 9                                                                     |        |
|           | Current progressively stronger as burns into ground                                                                        |        |
| 3800      | Stns 7100-7400 high Error (apx 8-10); repeated readings X3 at stacks of >15.                                               | Aug-10 |
|           | Line cut very crooked, moving to only 10m from L3850 towards the south-centre of the line                                  | Aug-10 |
|           | North end apx 8m west of the beginning of same line for Box 10. Cable extended past baseline into Grid 10; led it around t | Aug-11 |
| 3850      | Stns 7100-7400 showing major shifts in self potential, deviation greater than 50mV between readings.                       | Aug-10 |
|           | North end apx 10m west of the beginning of same line for Box 10. Cable extended past baseline into Grid 10; led it around  | Aug-11 |
| 3900      | North end apx 10m west of the beginning of same line for Box 10. Cable extended past baseline into Grid 10; led it around  | Aug-11 |
| 3950      | Stns 7700-8000 high error, many repeats before reading accepted.                                                           | Aug-11 |
| 4000      | Stns 7850-8000 not cut by linecutters. Very dense bush; difficult to lay cables.                                           | Aug-12 |
|           | Stn 7850 very high contact res (80 Ohm-m), couldn't bring down. Repeat X 2 at stacks of 15                                 | Aug-12 |
|           | Stns 7400-7700 high contact res (>25 Ohm-m), couldn't bring down. All along gravelly hilltop                               | Aug-12 |
| 4450      | Stn 7725 high error (8), took 3X rpts at stacks of 15                                                                      | Aug-14 |
| 4600      | Stn 7200 high error (>20). Fixed by moving electrode and taking repeats.                                                   | Aug-14 |
|           | Stn 7925 and 7975 high error (>10), took 3X repeats at stacks of >15                                                       | Aug-14 |
| Grid 10   |                                                                                                                            |        |
| ALL       | No road access to Grid 10. Five km hike in and out of grid each day.                                                       |        |
| Pit Notes | Current pits are 950m off the south and north centres of the grid                                                          |        |
|           | Stronger current than in Grid 9; I=1.100A with a Tx voltage of only 845V                                                   |        |
| 4200      | High error stns 8000-8300, repeat X3 at stacks of 15                                                                       | Aug-15 |
| 3650      | High error, took repeats                                                                                                   | Aug-17 |
| 3600      | High error, took repeats                                                                                                   | Aug-17 |



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Page: 1

Finalized Date: 12-SEP-2007

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## CERTIFICATE TR07086407

Project:

P.O. No.: E401

This report is for 145 Drill Core samples submitted to our lab in Terrace, BC, Canada on 7-AUG-2007.

The following have access to data associated with this certificate:

VIVIENNE MCLENNAN

BRAD MERCER

STEPHEN QUIN

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| SPL-34   | Pulp Splitting Charge          |
| LOG-22   | Sample login - Rcd w/o BarCode |
| CRU-QC   | Crushing QC Test               |
| PUL-QC   | Pulverizing QC Test            |
| CRU-31   | Fine crushing - 70% <2mm       |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |
| LOG-24   | Pulp Login - Rcd w/o Barcode   |
| SPL-21d  | Split sample - duplicate       |
| PUL-31d  | Pulverize Split - duplicate    |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION                    | INSTRUMENT |
|----------|--------------------------------|------------|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES  | ICP-AES    |
| Cu-AA62  | Ore grade Cu - four acid / AAS | AAS        |
| Cu-AA05  | Cu (nonsulfide) - sulfuric     | AAS        |
| Au-AA23  | Au 30g FA-AA finish            | AAS        |

To: MINTO EXPLORATION LTD  
ATTN: VIVIENNE MCLENNAN  
860 - 625 HOWE ST.  
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Lawrence Ng, Laboratory Manager - Vancouver



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Total # Pages: 5 (A - C)

Finalized Date: 12-SEP-2007

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## CERTIFICATE OF ANALYSIS TR07086407

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg | Au-AA23<br>Au<br>ppm | ME-ICP41<br>Ag<br>ppm | ME-ICP41<br>Al<br>% | ME-ICP41<br>As<br>ppm | ME-ICP41<br>B<br>ppm | ME-ICP41<br>Ba<br>ppm | ME-ICP41<br>Be<br>ppm | ME-ICP41<br>Bi<br>ppm | ME-ICP41<br>Ca<br>% | ME-ICP41<br>Cd<br>ppm | ME-ICP41<br>Co<br>ppm | ME-ICP41<br>Cr<br>ppm | ME-ICP41<br>Cu<br>ppm | ME-ICP41<br>Fe<br>% |
|--------------------|-----------------------------------|---------------------------|----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
|                    |                                   | 0.02                      | 0.005                | 0.2                   | 0.01                | 2                     | 10                   | 10                    | 0.5                   | 2                     | 0.01                | 0.5                   | 1                     | 1                     | 1                     | 0.01                |
| D006664            |                                   | 6.01                      | <0.005               | <0.2                  | 1.64                | <2                    | <10                  | 600                   | <0.5                  | <2                    | 0.55                | <0.5                  | 7                     | 8                     | 3                     | 2.73                |
| D006665            |                                   | 2.62                      | <0.005               | <0.2                  | 1.61                | <2                    | <10                  | 570                   | <0.5                  | <2                    | 0.89                | <0.5                  | 7                     | 6                     | 6                     | 2.72                |
| D006666            |                                   | 3.80                      | <0.005               | 0.2                   | 2.83                | 5                     | <10                  | 180                   | 0.5                   | <2                    | 3.85                | <0.5                  | 11                    | 6                     | 26                    | 3.69                |
| D006667            |                                   | <0.02                     | <0.005               | 0.3                   | 3.01                | 3                     | <10                  | 180                   | 0.6                   | <2                    | 4.08                | <0.5                  | 11                    | 6                     | 27                    | 4.00                |
| D006668            |                                   | 3.67                      | 0.005                | 0.3                   | 2.80                | <2                    | <10                  | 320                   | 0.6                   | <2                    | 3.60                | <0.5                  | 12                    | 5                     | 28                    | 4.26                |
| D006669            |                                   | 2.26                      | <0.005               | <0.2                  | 1.55                | <2                    | <10                  | 470                   | <0.5                  | <2                    | 0.69                | <0.5                  | 7                     | 6                     | 3                     | 2.81                |
| D006670            |                                   | 3.41                      | <0.005               | <0.2                  | 1.84                | <2                    | <10                  | 240                   | 0.5                   | <2                    | 2.07                | <0.5                  | 8                     | 5                     | 8                     | 2.90                |
| D006671            |                                   | 3.91                      | <0.005               | <0.2                  | 1.38                | <2                    | <10                  | 440                   | <0.5                  | <2                    | 0.73                | <0.5                  | 5                     | 6                     | 2                     | 2.33                |
| D006672            |                                   | 2.70                      | <0.005               | <0.2                  | 1.41                | <2                    | <10                  | 400                   | <0.5                  | <2                    | 0.74                | <0.5                  | 6                     | 7                     | 4                     | 2.42                |
| D006673            |                                   | 3.51                      | <0.005               | 0.3                   | 1.80                | 3                     | <10                  | 260                   | <0.5                  | <2                    | 0.71                | <0.5                  | 8                     | 8                     | 32                    | 3.00                |
| D006674            |                                   | 2.00                      | <0.005               | <0.2                  | 0.95                | <2                    | <10                  | 170                   | <0.5                  | <2                    | 0.45                | <0.5                  | 3                     | 7                     | 1                     | 1.93                |
| D006675            |                                   | 3.01                      | <0.005               | 0.2                   | 1.98                | 2                     | <10                  | 270                   | <0.5                  | <2                    | 0.44                | <0.5                  | 9                     | 8                     | 210                   | 3.41                |
| D006676            |                                   | 3.77                      | <0.005               | 0.3                   | 2.12                | <2                    | <10                  | 480                   | <0.5                  | <2                    | 0.43                | <0.5                  | 9                     | 7                     | 223                   | 3.92                |
| D006677            |                                   | 3.58                      | <0.005               | <0.2                  | 1.97                | <2                    | <10                  | 420                   | <0.5                  | <2                    | 0.51                | <0.5                  | 10                    | 7                     | 61                    | 3.37                |
| D006678            |                                   | <0.02                     | <0.005               | <0.2                  | 2.26                | <2                    | <10                  | 480                   | <0.5                  | <2                    | 0.59                | <0.5                  | 11                    | 7                     | 67                    | 3.91                |
| D006679            |                                   | 2.37                      | <0.005               | <0.2                  | 1.94                | 2                     | <10                  | 320                   | <0.5                  | <2                    | 0.43                | <0.5                  | 11                    | 6                     | 222                   | 3.41                |
| D006680            |                                   | 2.31                      | <0.005               | <0.2                  | 2.14                | <2                    | <10                  | 670                   | <0.5                  | <2                    | 0.47                | <0.5                  | 10                    | 7                     | 92                    | 3.57                |
| D006681            |                                   | 0.14                      | 0.978                | 4.6                   | 1.50                | 67                    | 10                   | 140                   | 0.5                   | 6                     | 0.83                | 2.9                   | 15                    | 72                    | 3640                  | 4.50                |
| D006682            |                                   | 3.69                      | <0.005               | <0.2                  | 1.82                | <2                    | <10                  | 640                   | <0.5                  | <2                    | 0.92                | <0.5                  | 9                     | 5                     | 7                     | 2.98                |
| D006683            |                                   | 1.33                      | <0.005               | <0.2                  | 0.54                | <2                    | <10                  | 250                   | <0.5                  | <2                    | 0.24                | <0.5                  | 2                     | 4                     | 9                     | 0.73                |
| D006684            |                                   | 2.44                      | <0.005               | <0.2                  | 1.74                | <2                    | <10                  | 620                   | <0.5                  | <2                    | 0.49                | <0.5                  | 7                     | 9                     | 5                     | 2.72                |
| D006685            |                                   | 1.82                      | <0.005               | <0.2                  | 1.61                | <2                    | <10                  | 570                   | <0.5                  | 2                     | 0.37                | <0.5                  | 7                     | 7                     | 11                    | 2.61                |
| D006686            |                                   | 2.56                      | 0.015                | 0.3                   | 2.60                | <2                    | <10                  | 950                   | <0.5                  | <2                    | 0.35                | <0.5                  | 19                    | 7                     | 354                   | 5.22                |
| D006687            |                                   | <0.02                     | 0.016                | 0.2                   | 2.50                | <2                    | <10                  | 890                   | <0.5                  | <2                    | 0.35                | <0.5                  | 17                    | 7                     | 335                   | 4.87                |
| D006688            |                                   | 3.14                      | 0.006                | 0.2                   | 1.88                | <2                    | <10                  | 810                   | <0.5                  | 2                     | 0.20                | <0.5                  | 13                    | 5                     | 183                   | 6.76                |
| D006689            |                                   | 3.63                      | 0.010                | 0.2                   | 1.85                | 3                     | <10                  | 790                   | <0.5                  | <2                    | 0.22                | <0.5                  | 10                    | 6                     | 112                   | 5.10                |
| D006690            |                                   | 3.68                      | <0.005               | <0.2                  | 1.88                | <2                    | <10                  | 810                   | <0.5                  | <2                    | 0.46                | <0.5                  | 9                     | 7                     | 19                    | 3.56                |
| D006691            |                                   | 2.97                      | <0.005               | <0.2                  | 0.87                | 2                     | <10                  | 150                   | <0.5                  | <2                    | 0.44                | <0.5                  | 4                     | 8                     | 3                     | 1.79                |
| D006692            |                                   | 2.62                      | <0.005               | <0.2                  | 1.71                | <2                    | <10                  | 640                   | <0.5                  | <2                    | 0.42                | <0.5                  | 7                     | 7                     | 4                     | 2.79                |
| D006693            |                                   | 4.25                      | <0.005               | <0.2                  | 1.64                | <2                    | <10                  | 650                   | <0.5                  | <2                    | 0.39                | <0.5                  | 7                     | 6                     | 2                     | 2.78                |
| D006694            |                                   | 3.87                      | <0.005               | <0.2                  | 1.57                | <2                    | <10                  | 630                   | <0.5                  | <2                    | 0.59                | <0.5                  | 7                     | 7                     | 2                     | 2.65                |
| D006695            |                                   | 4.12                      | <0.005               | <0.2                  | 1.40                | <2                    | <10                  | 440                   | <0.5                  | <2                    | 0.83                | <0.5                  | 6                     | 7                     | 2                     | 2.47                |
| D006696            |                                   | 4.10                      | <0.005               | <0.2                  | 1.47                | <2                    | <10                  | 410                   | <0.5                  | <2                    | 1.08                | <0.5                  | 7                     | 6                     | 3                     | 2.68                |
| D006697            |                                   | 2.55                      | <0.005               | <0.2                  | 1.42                | <2                    | <10                  | 390                   | <0.5                  | <2                    | 1.26                | <0.5                  | 6                     | 6                     | 3                     | 2.50                |
| D006698            |                                   | 3.36                      | <0.005               | <0.2                  | 1.54                | <2                    | <10                  | 530                   | <0.5                  | <2                    | 0.93                | <0.5                  | 7                     | 8                     | 3                     | 3.37                |
| D006699            |                                   | <0.02                     | <0.005               | <0.2                  | 1.49                | <2                    | <10                  | 510                   | <0.5                  | <2                    | 0.90                | <0.5                  | 7                     | 7                     | 3                     | 3.27                |
| D006700            |                                   | 3.17                      | <0.005               | <0.2                  | 1.55                | <2                    | <10                  | 520                   | <0.5                  | <2                    | 0.99                | <0.5                  | 9                     | 9                     | 11                    | 2.64                |
| D006701            |                                   | 4.52                      | <0.005               | 0.4                   | 1.55                | <2                    | <10                  | 450                   | <0.5                  | <2                    | 0.36                | <0.5                  | 9                     | 8                     | 106                   | 2.59                |
| D006702            |                                   | 2.31                      | <0.005               | <0.2                  | 1.39                | <2                    | <10                  | 300                   | <0.5                  | <2                    | 0.62                | <0.5                  | 6                     | 5                     | 11                    | 2.38                |
| D006703            |                                   | 3.00                      | <0.005               | <0.2                  | 1.50                | <2                    | <10                  | 300                   | <0.5                  | <2                    | 0.82                | <0.5                  | 5                     | 7                     | 3                     | 2.50                |



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860 - 625 HOWE ST.

VANCOUVER BC V6C 2T6

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Total # Pages: 5 (A - C)

Finalized Date: 12-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07086407

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41 |
|--------------------|-----------------------------------|-----------|----------|-----------|-----------|-----------|----------|----------|-----------|----------|-----------|----------|-----------|----------|----------|
|                    |                                   | Ga        | Hg       | K         | La        | Mg        | Mn       | Mo       | Na        | Ni       | P         | Pb       | S         | Sb       | Sc       |
|                    |                                   | ppm<br>10 | ppm<br>1 | %<br>0.01 | ppm<br>10 | %<br>0.01 | ppm<br>5 | ppm<br>1 | %<br>0.01 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | ppm<br>2 | ppm<br>1 |
| D006664            |                                   | 10        | <1       | 0.90      | 10        | 0.79      | 601      | 1        | 0.13      | 3        | 820       | 2        | 0.01      | <2       | 5        |
| D006665            |                                   | 10        | 1        | 0.81      | 10        | 0.74      | 634      | 1        | 0.10      | 3        | 700       | 2        | <0.01     | 3        | 5        |
| D006666            |                                   | 10        | 1        | 0.13      | 10        | 1.15      | 781      | <1       | 0.05      | 3        | 1570      | 5        | <0.01     | <2       | 9        |
| D006667            |                                   | 10        | 1        | 0.13      | 10        | 1.22      | 839      | 1        | 0.06      | 4        | 1700      | 2        | <0.01     | 2        | 10       |
| D006668            |                                   | 10        | 1        | 0.12      | 10        | 1.33      | 944      | 1        | 0.08      | 3        | 1690      | 4        | <0.01     | <2       | 10       |
| D006669            |                                   | 10        | 1        | 0.86      | 10        | 0.82      | 671      | <1       | 0.14      | 3        | 820       | 2        | <0.01     | <2       | 4        |
| D006670            |                                   | 10        | <1       | 0.41      | 10        | 0.83      | 694      | 1        | 0.05      | 3        | 1010      | 7        | <0.01     | 2        | 6        |
| D006671            |                                   | 10        | <1       | 0.67      | 10        | 0.72      | 641      | <1       | 0.18      | 3        | 780       | 3        | <0.01     | <2       | 5        |
| D006672            |                                   | 10        | 1        | 0.65      | 10        | 0.73      | 711      | <1       | 0.17      | 3        | 840       | 2        | <0.01     | <2       | 7        |
| D006673            |                                   | 10        | 1        | 1.02      | 20        | 1.02      | 1100     | <1       | 0.14      | 4        | 1340      | 7        | <0.01     | <2       | 5        |
| D006674            |                                   | <10       | 1        | 0.36      | 10        | 0.52      | 410      | <1       | 0.16      | 2        | 510       | <2       | <0.01     | <2       | 3        |
| D006675            |                                   | 10        | 1        | 1.42      | 20        | 1.21      | 1310     | 1        | 0.10      | 5        | 1520      | 16       | <0.01     | 2        | 6        |
| D006676            |                                   | 10        | 1        | 1.30      | 20        | 1.32      | 1250     | 1        | 0.08      | 5        | 1360      | 18       | 0.07      | <2       | 6        |
| D006677            |                                   | 10        | 1        | 1.00      | 20        | 1.00      | 1080     | <1       | 0.09      | 5        | 1330      | 9        | <0.01     | 2        | 4        |
| D006678            |                                   | 10        | <1       | 1.09      | 20        | 1.16      | 1250     | 1        | 0.10      | 4        | 1580      | 9        | 0.01      | <2       | 4        |
| D006679            |                                   | 10        | 1        | 0.95      | 20        | 0.92      | 953      | 1        | 0.06      | 5        | 1350      | 9        | <0.01     | 2        | 3        |
| D006680            |                                   | 10        | <1       | 1.36      | 20        | 1.10      | 1100     | <1       | 0.10      | 4        | 1340      | 5        | <0.01     | <2       | 4        |
| D006681            |                                   | <10       | 1        | 0.51      | 30        | 0.63      | 332      | 245      | 0.05      | 14       | 660       | 135      | 1.94      | 30       | 5        |
| D006682            |                                   | 10        | 1        | 1.21      | 10        | 0.87      | 724      | 1        | 0.10      | 3        | 2970      | 6        | <0.01     | <2       | 4        |
| D006683            |                                   | <10       | <1       | 0.29      | <10       | 0.13      | 195      | <1       | 0.08      | 1        | 130       | 8        | <0.01     | <2       | 1        |
| D006684            |                                   | 10        | 1        | 1.11      | 10        | 0.84      | 685      | <1       | 0.13      | 4        | 980       | 4        | <0.01     | 3        | 4        |
| D006685            |                                   | 10        | 1        | 1.00      | 10        | 0.72      | 779      | <1       | 0.13      | 3        | 680       | 4        | <0.01     | <2       | 4        |
| D006686            |                                   | 10        | 1        | 1.75      | 30        | 1.28      | 1320     | 1        | 0.08      | 4        | 1020      | 4        | <0.01     | <2       | 7        |
| D006687            |                                   | 10        | 1        | 1.64      | 20        | 1.21      | 1250     | 1        | 0.08      | 5        | 1030      | 5        | <0.01     | <2       | 6        |
| D006688            |                                   | 10        | <1       | 1.28      | 10        | 0.86      | 956      | 2        | 0.09      | 3        | 530       | 3        | <0.01     | <2       | 5        |
| D006689            |                                   | 10        | <1       | 1.31      | 10        | 0.90      | 975      | 1        | 0.09      | 3        | 610       | 4        | <0.01     | <2       | 4        |
| D006690            |                                   | 10        | <1       | 1.31      | <10       | 0.94      | 749      | 1        | 0.12      | 3        | 1580      | 3        | <0.01     | <2       | 3        |
| D006691            |                                   | <10       | <1       | 0.37      | 10        | 0.50      | 390      | <1       | 0.14      | 2        | 490       | <2       | <0.01     | <2       | 3        |
| D006692            |                                   | 10        | <1       | 1.07      | <10       | 0.86      | 582      | <1       | 0.13      | 2        | 960       | 2        | <0.01     | <2       | 4        |
| D006693            |                                   | 10        | 1        | 1.07      | 10        | 0.80      | 549      | <1       | 0.14      | 3        | 760       | 3        | <0.01     | <2       | 4        |
| D006694            |                                   | 10        | 1        | 0.91      | 10        | 0.81      | 642      | <1       | 0.15      | 4        | 810       | 3        | <0.01     | <2       | 4        |
| D006695            |                                   | <10       | 1        | 0.62      | 10        | 0.71      | 559      | 1        | 0.13      | 2        | 780       | 2        | <0.01     | <2       | 5        |
| D006696            |                                   | 10        | <1       | 0.69      | 10        | 0.73      | 577      | 1        | 0.13      | 2        | 840       | 2        | <0.01     | <2       | 5        |
| D006697            |                                   | <10       | <1       | 0.64      | 10        | 0.67      | 564      | <1       | 0.12      | 2        | 830       | 3        | <0.01     | <2       | 6        |
| D006698            |                                   | 10        | <1       | 0.84      | 10        | 0.80      | 736      | 1        | 0.10      | 4        | 870       | <2       | <0.01     | <2       | 6        |
| D006699            |                                   | 10        | <1       | 0.80      | 10        | 0.78      | 713      | 1        | 0.09      | 2        | 830       | 3        | <0.01     | <2       | 6        |
| D006700            |                                   | 10        | <1       | 0.90      | 10        | 0.70      | 632      | 4        | 0.09      | 8        | 730       | 24       | 0.01      | <2       | 3        |
| D006701            |                                   | 10        | <1       | 0.85      | 10        | 0.79      | 729      | <1       | 0.11      | 4        | 620       | 12       | <0.01     | <2       | 3        |
| D006702            |                                   | <10       | <1       | 0.52      | 10        | 0.72      | 623      | <1       | 0.11      | 2        | 690       | 6        | <0.01     | <2       | 4        |
| D006703            |                                   | 10        | <1       | 0.53      | 10        | 0.82      | 664      | <1       | 0.12      | 2        | 790       | 3        | <0.01     | <2       | 4        |



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Finalized Date: 12-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07086407

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | Cu-AA62   | Cu-AA05    |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|------------|
|                    |                                   | Th        | Ti        | Ti        | U         | V        | W         | Zn       | Cu        | Cu         |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| D006664            |                                   | <20       | 0.20      | <10       | <10       | 66       | <10       | 96       | <0.01     | <0.001     |
| D006665            |                                   | <20       | 0.18      | <10       | <10       | 68       | <10       | 86       | <0.01     | 0.001      |
| D006666            |                                   | <20       | 0.08      | <10       | <10       | 105      | <10       | 83       | <0.01     | 0.001      |
| D006667            |                                   | <20       | 0.09      | <10       | <10       | 110      | <10       | 87       | <0.01     | 0.001      |
| D006668            |                                   | <20       | 0.11      | <10       | <10       | 116      | <10       | 86       | <0.01     | 0.001      |
| D006669            |                                   | <20       | 0.20      | <10       | <10       | 67       | <10       | 99       | <0.01     | <0.001     |
| D006670            |                                   | <20       | 0.09      | <10       | <10       | 68       | <10       | 106      | <0.01     | <0.001     |
| D006671            |                                   | <20       | 0.18      | <10       | <10       | 58       | <10       | 70       | <0.01     | <0.001     |
| D006672            |                                   | <20       | 0.17      | <10       | <10       | 62       | <10       | 84       | <0.01     | 0.001      |
| D006673            |                                   | <20       | 0.22      | <10       | <10       | 84       | <10       | 184      | <0.01     | 0.002      |
| D006674            |                                   | <20       | 0.10      | <10       | <10       | 33       | <10       | 36       | <0.01     | <0.001     |
| D006675            |                                   | <20       | 0.27      | <10       | <10       | 105      | <10       | 325      | 0.02      | 0.008      |
| D006676            |                                   | <20       | 0.24      | <10       | <10       | 100      | <10       | 283      | 0.02      | 0.007      |
| D006677            |                                   | <20       | 0.19      | <10       | <10       | 78       | <10       | 201      | 0.01      | 0.003      |
| D006678            |                                   | <20       | 0.20      | <10       | <10       | 86       | <10       | 220      | 0.01      | 0.002      |
| D006679            |                                   | <20       | 0.16      | <10       | <10       | 73       | <10       | 218      | 0.02      | 0.008      |
| D006680            |                                   | <20       | 0.26      | <10       | <10       | 93       | <10       | 194      | 0.01      | 0.005      |
| D006681            |                                   | <20       | 0.04      | <10       | <10       | 44       | 10        | 179      | 0.33      | 0.073      |
| D006682            |                                   | <20       | 0.26      | <10       | <10       | 106      | <10       | 153      | <0.01     | <0.001     |
| D006683            |                                   | <20       | 0.03      | <10       | <10       | 14       | <10       | 30       | <0.01     | 0.001      |
| D006684            |                                   | <20       | 0.25      | <10       | <10       | 72       | <10       | 137      | <0.01     | <0.001     |
| D006685            |                                   | <20       | 0.21      | <10       | <10       | 68       | <10       | 143      | <0.01     | 0.001      |
| D006686            |                                   | <20       | 0.33      | <10       | <10       | 144      | <10       | 249      | 0.03      | 0.014      |
| D006687            |                                   | <20       | 0.30      | <10       | <10       | 134      | <10       | 236      | 0.03      | 0.014      |
| D006688            |                                   | <20       | 0.28      | <10       | <10       | 123      | <10       | 246      | 0.02      | 0.006      |
| D006689            |                                   | <20       | 0.28      | <10       | <10       | 96       | <10       | 200      | 0.01      | 0.005      |
| D006690            |                                   | <20       | 0.26      | <10       | <10       | 78       | <10       | 140      | <0.01     | 0.001      |
| D006691            |                                   | <20       | 0.12      | <10       | <10       | 38       | <10       | 46       | <0.01     | 0.001      |
| D006692            |                                   | <20       | 0.22      | <10       | <10       | 73       | <10       | 93       | <0.01     | <0.001     |
| D006693            |                                   | <20       | 0.24      | <10       | <10       | 75       | <10       | 89       | <0.01     | <0.001     |
| D006694            |                                   | <20       | 0.21      | <10       | <10       | 67       | <10       | 97       | <0.01     | 0.001      |
| D006695            |                                   | <20       | 0.15      | <10       | <10       | 60       | <10       | 69       | <0.01     | <0.001     |
| D006696            |                                   | <20       | 0.17      | <10       | <10       | 64       | <10       | 66       | <0.01     | <0.001     |
| D006697            |                                   | <20       | 0.14      | <10       | <10       | 60       | <10       | 59       | <0.01     | <0.001     |
| D006698            |                                   | <20       | 0.18      | <10       | <10       | 89       | <10       | 97       | <0.01     | <0.001     |
| D006699            |                                   | <20       | 0.17      | <10       | <10       | 86       | <10       | 93       | <0.01     | 0.001      |
| D006700            |                                   | <20       | 0.14      | <10       | <10       | 58       | <10       | 82       | <0.01     | 0.001      |
| D006701            |                                   | <20       | 0.17      | <10       | <10       | 63       | <10       | 151      | 0.01      | 0.006      |
| D006702            |                                   | <20       | 0.14      | <10       | <10       | 52       | <10       | 98       | <0.01     | 0.001      |
| D006703            |                                   | <20       | 0.15      | <10       | <10       | 57       | <10       | 89       | <0.01     | <0.001     |



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Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07086407

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg | Au-AA23<br>Au<br>ppm | ME-ICP41<br>Ag<br>ppm | ME-ICP41<br>Al<br>% | ME-ICP41<br>As<br>ppm | ME-ICP41<br>B<br>ppm | ME-ICP41<br>Ba<br>ppm | ME-ICP41<br>Be<br>ppm | ME-ICP41<br>Bi<br>ppm | ME-ICP41<br>Ca<br>% | ME-ICP41<br>Cd<br>ppm | ME-ICP41<br>Co<br>ppm | ME-ICP41<br>Cr<br>ppm | ME-ICP41<br>Cu<br>ppm | ME-ICP41<br>Fe<br>% |
|--------------------|-----------------------------------|---------------------------|----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
|                    |                                   | 0.02                      | 0.005                | 0.2                   | 0.01                | 2                     | 10                   | 10                    | 0.5                   | 2                     | 0.01                | 0.5                   | 1                     | 1                     | 1                     | 0.01                |
| D006704            |                                   | 4.46                      | <0.005               | <0.2                  | 1.22                | 7                     | <10                  | 340                   | <0.5                  | <2                    | 0.66                | <0.5                  | 5                     | 5                     | 1                     | 2.18                |
| D006705            |                                   | 2.52                      | <0.005               | <0.2                  | 1.23                | <2                    | <10                  | 340                   | <0.5                  | <2                    | 0.71                | <0.5                  | 5                     | 6                     | 2                     | 2.22                |
| D006706            |                                   | 0.75                      | <0.005               | <0.2                  | 1.37                | 8                     | <10                  | 180                   | <0.5                  | <2                    | 0.89                | <0.5                  | 5                     | 8                     | 1                     | 2.15                |
| D006707            |                                   | 0.14                      | 0.864                | 3.3                   | 1.24                | 59                    | <10                  | 90                    | <0.5                  | 5                     | 0.70                | 2.4                   | 13                    | 62                    | 3200                  | 3.86                |
| D006708            |                                   | 2.72                      | <0.005               | <0.2                  | 1.30                | <2                    | <10                  | 260                   | <0.5                  | <2                    | 0.97                | <0.5                  | 5                     | 7                     | 14                    | 2.39                |
| D006709            |                                   | 5.28                      | <0.005               | <0.2                  | 1.39                | <2                    | <10                  | 430                   | <0.5                  | <2                    | 0.78                | <0.5                  | 4                     | 7                     | 3                     | 2.41                |
| D006710            |                                   | 5.25                      | <0.005               | <0.2                  | 1.34                | <2                    | <10                  | 440                   | <0.5                  | <2                    | 0.75                | <0.5                  | 5                     | 7                     | 2                     | 2.39                |
| D006711            |                                   | 2.59                      | <0.005               | <0.2                  | 1.53                | 8                     | <10                  | 570                   | <0.5                  | <2                    | 0.71                | <0.5                  | 5                     | 7                     | 3                     | 2.69                |
| D006712            |                                   | 1.08                      | <0.005               | <0.2                  | 1.86                | <2                    | <10                  | 1000                  | <0.5                  | <2                    | 0.58                | <0.5                  | 7                     | 7                     | 2                     | 3.23                |
| D006713            |                                   | 0.95                      | <0.005               | <0.2                  | 0.49                | 8                     | <10                  | 250                   | <0.5                  | <2                    | 0.18                | <0.5                  | <1                    | 5                     | 1                     | 0.64                |
| D006714            |                                   | 4.09                      | <0.005               | <0.2                  | 1.50                | <2                    | <10                  | 610                   | <0.5                  | <2                    | 0.63                | <0.5                  | 5                     | 7                     | 1                     | 2.68                |
| D006715            |                                   | 3.92                      | <0.005               | <0.2                  | 1.71                | <2                    | <10                  | 610                   | <0.5                  | <2                    | 0.58                | <0.5                  | 5                     | 8                     | 4                     | 2.68                |
| D006716            |                                   | 2.79                      | <0.005               | <0.2                  | 1.79                | <2                    | <10                  | 630                   | <0.5                  | <2                    | 0.69                | <0.5                  | 7                     | 8                     | 5                     | 2.94                |
| D006717            |                                   | 3.00                      | <0.005               | 0.7                   | 2.20                | <2                    | <10                  | 120                   | <0.5                  | <2                    | 0.68                | <0.5                  | 14                    | 7                     | 877                   | 6.57                |
| D006718            |                                   | <0.02                     | <0.005               | 0.7                   | 2.08                | <2                    | <10                  | 100                   | <0.5                  | <2                    | 0.63                | <0.5                  | 14                    | 7                     | 854                   | 6.29                |
| D006719            |                                   | 3.49                      | 0.007                | <0.2                  | 1.80                | <2                    | <10                  | 230                   | <0.5                  | <2                    | 3.98                | <0.5                  | 10                    | 7                     | 293                   | 4.66                |
| D006720            |                                   | 2.55                      | <0.005               | <0.2                  | 0.83                | 2                     | <10                  | 150                   | <0.5                  | <2                    | 0.44                | <0.5                  | 3                     | 8                     | 7                     | 1.93                |
| D006721            |                                   | 4.01                      | <0.005               | 0.5                   | 1.68                | 7                     | <10                  | 230                   | <0.5                  | <2                    | 1.74                | <0.5                  | 11                    | 7                     | 437                   | 3.82                |
| D006722            |                                   | 3.80                      | <0.005               | <0.2                  | 1.92                | 4                     | <10                  | 310                   | <0.5                  | <2                    | 0.85                | <0.5                  | 8                     | 7                     | 17                    | 3.43                |
| D006723            |                                   | <0.02                     | <0.005               | <0.2                  | 1.96                | 4                     | <10                  | 320                   | <0.5                  | <2                    | 0.86                | <0.5                  | 8                     | 7                     | 17                    | 3.49                |
| D006724            |                                   | 4.21                      | <0.005               | <0.2                  | 1.72                | 4                     | <10                  | 210                   | <0.5                  | 2                     | 0.94                | <0.5                  | 8                     | 6                     | 4                     | 2.98                |
| D006725            |                                   | 4.03                      | <0.005               | <0.2                  | 1.69                | <2                    | <10                  | 170                   | <0.5                  | <2                    | 1.22                | <0.5                  | 7                     | 7                     | 4                     | 3.17                |
| D006726            |                                   | 3.78                      | 0.016                | 0.3                   | 1.77                | 3                     | <10                  | 190                   | <0.5                  | <2                    | 1.67                | <0.5                  | 7                     | 6                     | 108                   | 3.19                |
| D006727            |                                   | 3.48                      | <0.005               | 0.2                   | 1.82                | <2                    | <10                  | 30                    | 0.5                   | <2                    | 2.20                | <0.5                  | 9                     | 3                     | 95                    | 3.14                |
| D006728            |                                   | 0.13                      | 0.338                | 1.3                   | 0.79                | 5                     | <10                  | 90                    | <0.5                  | <2                    | 2.17                | <0.5                  | 7                     | 18                    | 4740                  | 5.54                |
| D006729            |                                   | 3.95                      | <0.005               | 0.2                   | 1.95                | <2                    | <10                  | 340                   | <0.5                  | <2                    | 1.00                | <0.5                  | 8                     | 6                     | 65                    | 3.47                |
| D006730            |                                   | 3.50                      | <0.005               | <0.2                  | 1.60                | 5                     | <10                  | 260                   | <0.5                  | <2                    | 0.77                | <0.5                  | 5                     | 7                     | 84                    | 3.14                |
| D006731            |                                   | 3.95                      | <0.005               | <0.2                  | 1.72                | 2                     | <10                  | 460                   | <0.5                  | <2                    | 0.59                | <0.5                  | 7                     | 7                     | 31                    | 3.07                |
| D006732            |                                   | <0.02                     | <0.005               | <0.2                  | 1.81                | <2                    | <10                  | 470                   | <0.5                  | <2                    | 0.63                | <0.5                  | 6                     | 7                     | 31                    | 3.18                |
| D006733            |                                   | 2.92                      | <0.005               | <0.2                  | 1.90                | 4                     | <10                  | 640                   | <0.5                  | <2                    | 0.59                | <0.5                  | 7                     | 8                     | 18                    | 3.27                |
| D006734            |                                   | 3.91                      | <0.005               | 0.3                   | 1.24                | 5                     | <10                  | 370                   | <0.5                  | <2                    | 0.42                | <0.5                  | 5                     | 7                     | 116                   | 2.64                |
| D006735            |                                   | 3.90                      | <0.005               | 0.2                   | 1.41                | <2                    | <10                  | 440                   | <0.5                  | <2                    | 0.61                | <0.5                  | 9                     | 8                     | 46                    | 2.69                |
| D006736            |                                   | 4.19                      | <0.005               | 0.3                   | 1.58                | <2                    | <10                  | 670                   | <0.5                  | <2                    | 0.84                | <0.5                  | 8                     | 8                     | 25                    | 2.77                |
| D006737            |                                   | 2.47                      | <0.005               | <0.2                  | 0.82                | <2                    | <10                  | 180                   | <0.5                  | <2                    | 0.36                | <0.5                  | 3                     | 8                     | 2                     | 1.75                |
| D006738            |                                   | 3.81                      | <0.005               | 0.2                   | 1.50                | <2                    | <10                  | 520                   | <0.5                  | <2                    | 0.76                | <0.5                  | 7                     | 8                     | 28                    | 2.72                |
| D006739            |                                   | 3.82                      | 0.005                | 0.2                   | 1.63                | <2                    | <10                  | 380                   | <0.5                  | <2                    | 0.58                | <0.5                  | 9                     | 7                     | 78                    | 3.14                |
| D006740            |                                   | 3.94                      | <0.005               | <0.2                  | 1.55                | <2                    | <10                  | 330                   | <0.5                  | <2                    | 0.80                | <0.5                  | 9                     | 7                     | 24                    | 2.81                |
| D006741            |                                   | <0.02                     | <0.005               | 0.2                   | 1.57                | <2                    | <10                  | 330                   | <0.5                  | <2                    | 0.81                | <0.5                  | 8                     | 7                     | 24                    | 2.85                |
| D006742            |                                   | 3.76                      | <0.005               | 0.4                   | 1.73                | <2                    | <10                  | 350                   | <0.5                  | <2                    | 0.56                | <0.5                  | 16                    | 7                     | 331                   | 3.79                |
| D006743            |                                   | 3.75                      | <0.005               | 0.2                   | 1.62                | 2                     | <10                  | 230                   | <0.5                  | <2                    | 0.71                | <0.5                  | 8                     | 7                     | 213                   | 3.41                |



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Finalized Date: 12-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07086407

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41 |
|--------------------|-----------------------------------|-----------|----------|-----------|-----------|-----------|----------|----------|-----------|----------|-----------|----------|-----------|----------|----------|
|                    |                                   | Ga        | Hg       | K         | La        | Mg        | Mn       | Mo       | Na        | Ni       | P         | Pb       | S         | Sb       | Sc       |
|                    |                                   | ppm<br>10 | ppm<br>1 | %<br>0.01 | ppm<br>10 | %<br>0.01 | ppm<br>5 | ppm<br>1 | %<br>0.01 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | ppm<br>2 | ppm<br>1 |
| D006704            |                                   | <10       | <1       | 0.62      | 10        | 0.64      | 517      | <1       | 0.13      | 2        | 670       | <2       | <0.01     | 2        | 3        |
| D006705            |                                   | <10       | <1       | 0.65      | 10        | 0.66      | 547      | <1       | 0.12      | 1        | 730       | 6        | 0.01      | <2       | 3        |
| D006706            |                                   | 10        | <1       | 0.33      | 10        | 0.60      | 604      | <1       | 0.09      | 2        | 520       | 6        | 0.01      | <2       | 3        |
| D006707            |                                   | <10       | <1       | 0.46      | 20        | 0.53      | 293      | 194      | 0.03      | 13       | 520       | 115      | 1.51      | 19       | 4        |
| D006708            |                                   | <10       | <1       | 0.50      | 10        | 0.72      | 613      | 1        | 0.13      | <1       | 830       | <2       | 0.01      | <2       | 4        |
| D006709            |                                   | <10       | <1       | 0.72      | 10        | 0.73      | 608      | <1       | 0.16      | <1       | 750       | <2       | <0.01     | <2       | 4        |
| D006710            |                                   | <10       | <1       | 0.68      | 10        | 0.71      | 601      | <1       | 0.14      | <1       | 780       | <2       | 0.01      | 2        | 4        |
| D006711            |                                   | <10       | <1       | 0.84      | 10        | 0.81      | 660      | <1       | 0.15      | 1        | 820       | <2       | 0.01      | <2       | 4        |
| D006712            |                                   | 10        | 1        | 1.25      | <10       | 1.04      | 773      | <1       | 0.13      | 3        | 1080      | <2       | 0.01      | <2       | 3        |
| D006713            |                                   | <10       | <1       | 0.24      | <10       | 0.11      | 138      | <1       | 0.12      | <1       | 40        | <2       | <0.01     | 4        | 1        |
| D006714            |                                   | 10        | <1       | 0.92      | 10        | 0.79      | 743      | <1       | 0.15      | 3        | 790       | <2       | <0.01     | 2        | 4        |
| D006715            |                                   | 10        | <1       | 1.17      | 10        | 0.92      | 670      | <1       | 0.12      | 4        | 880       | 4        | <0.01     | 4        | 2        |
| D006716            |                                   | 10        | <1       | 1.22      | <10       | 0.95      | 758      | <1       | 0.12      | <1       | 900       | <2       | 0.02      | <2       | 4        |
| D006717            |                                   | 10        | <1       | 1.21      | 10        | 1.52      | 1390     | 7        | 0.06      | 5        | 1680      | 8        | 1.13      | <2       | 6        |
| D006718            |                                   | 10        | <1       | 1.14      | 10        | 1.45      | 1370     | 7        | 0.05      | 2        | 1540      | 9        | 1.04      | <2       | 6        |
| D006719            |                                   | 10        | <1       | 1.24      | 10        | 1.09      | 1670     | 2        | 0.06      | 4        | 1620      | 3        | 0.69      | <2       | 3        |
| D006720            |                                   | <10       | <1       | 0.37      | 10        | 0.48      | 408      | <1       | 0.10      | 2        | 470       | <2       | 0.01      | <2       | 3        |
| D006721            |                                   | 10        | 1        | 1.03      | 20        | 1.07      | 1180     | 4        | 0.08      | 4        | 1200      | 11       | 0.99      | <2       | 5        |
| D006722            |                                   | 10        | <1       | 1.06      | 20        | 1.08      | 1090     | <1       | 0.07      | 2        | 1300      | 6        | 0.02      | <2       | 2        |
| D006723            |                                   | 10        | <1       | 1.04      | 20        | 1.09      | 1120     | <1       | 0.07      | 5        | 1330      | 7        | 0.02      | <2       | 2        |
| D006724            |                                   | 10        | <1       | 0.80      | 20        | 0.95      | 1010     | <1       | 0.09      | 2        | 1100      | 7        | 0.03      | <2       | 3        |
| D006725            |                                   | 10        | <1       | 0.71      | 20        | 1.01      | 1080     | 2        | 0.10      | 7        | 1260      | <2       | 0.03      | <2       | 4        |
| D006726            |                                   | 10        | <1       | 0.48      | 20        | 0.97      | 1130     | 1        | 0.07      | 3        | 1220      | 9        | 0.05      | <2       | 4        |
| D006727            |                                   | 10        | <1       | 0.19      | 20        | 0.91      | 1220     | 1        | 0.04      | 5        | 1190      | 16       | 0.16      | 3        | 5        |
| D006728            |                                   | <10       | 2        | 0.27      | <10       | 0.90      | 768      | 7        | 0.05      | 7        | 740       | <2       | 1.67      | 8        | 5        |
| D006729            |                                   | 10        | <1       | 0.84      | 20        | 1.03      | 1230     | 1        | 0.08      | 3        | 1210      | 9        | 0.31      | <2       | 5        |
| D006730            |                                   | 10        | <1       | 0.67      | 20        | 0.98      | 1010     | 1        | 0.08      | 1        | 1080      | 14       | 0.46      | <2       | 5        |
| D006731            |                                   | 10        | <1       | 1.01      | 20        | 0.92      | 1020     | <1       | 0.10      | 2        | 1060      | 5        | 0.15      | <2       | 3        |
| D006732            |                                   | 10        | 2        | 1.01      | 20        | 0.94      | 1060     | <1       | 0.11      | <1       | 1100      | 4        | 0.16      | 2        | 3        |
| D006733            |                                   | 10        | <1       | 1.21      | 20        | 0.99      | 1130     | <1       | 0.11      | 4        | 1160      | 9        | 0.05      | <2       | 4        |
| D006734            |                                   | <10       | <1       | 0.70      | 10        | 0.56      | 645      | 1        | 0.12      | <1       | 640       | 6        | 0.61      | <2       | 2        |
| D006735            |                                   | <10       | <1       | 0.81      | 20        | 0.80      | 794      | 1        | 0.11      | 2        | 960       | 6        | 0.52      | <2       | 2        |
| D006736            |                                   | 10        | <1       | 0.72      | 20        | 0.88      | 962      | 1        | 0.14      | 2        | 1170      | 10       | 0.32      | <2       | 3        |
| D006737            |                                   | <10       | <1       | 0.38      | 10        | 0.45      | 362      | <1       | 0.13      | 2        | 460       | 2        | <0.01     | <2       | 2        |
| D006738            |                                   | 10        | <1       | 0.70      | 10        | 0.86      | 908      | 1        | 0.10      | 2        | 920       | 15       | 0.25      | <2       | 3        |
| D006739            |                                   | 10        | <1       | 0.96      | 20        | 0.97      | 1025     | 1        | 0.12      | <1       | 1130      | 15       | 0.67      | <2       | 5        |
| D006740            |                                   | 10        | <1       | 0.68      | 20        | 0.91      | 1055     | <1       | 0.08      | 1        | 1090      | 21       | 0.21      | <2       | 3        |
| D006741            |                                   | 10        | <1       | 0.70      | 20        | 0.92      | 1070     | <1       | 0.08      | 1        | 1100      | 18       | 0.21      | <2       | 3        |
| D006742            |                                   | 10        | <1       | 1.05      | 10        | 1.02      | 1025     | 1        | 0.10      | 1        | 1190      | 13       | 0.84      | <2       | 5        |
| D006743            |                                   | 10        | <1       | 0.82      | 10        | 1.10      | 1095     | 1        | 0.07      | <1       | 1190      | 11       | 0.68      | <2       | 5        |



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Finalized Date: 12-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07086407

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | Cu-AA62   | Cu-AA05    |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|------------|
|                    |                                   | Th        | Ti        | Ti        | U         | V        | W         | Zn       | Cu        | Cu         |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| D006704            |                                   | <20       | 0.13      | <10       | <10       | 51       | <10       | 54       | <0.01     | <0.001     |
| D006705            |                                   | <20       | 0.14      | <10       | <10       | 52       | <10       | 57       | <0.01     | <0.001     |
| D006706            |                                   | <20       | 0.09      | <10       | <10       | 47       | <10       | 62       | <0.01     | <0.001     |
| D006707            |                                   | <20       | 0.03      | <10       | <10       | 41       | <10       | 173      | 0.33      | 0.073      |
| D006708            |                                   | <20       | 0.14      | <10       | <10       | 55       | <10       | 58       | <0.01     | <0.001     |
| D006709            |                                   | <20       | 0.16      | <10       | <10       | 58       | <10       | 66       | <0.01     | <0.001     |
| D006710            |                                   | <20       | 0.15      | 10        | <10       | 58       | <10       | 73       | <0.01     | <0.001     |
| D006711            |                                   | <20       | 0.18      | <10       | <10       | 66       | <10       | 99       | <0.01     | <0.001     |
| D006712            |                                   | <20       | 0.25      | 10        | <10       | 81       | <10       | 130      | <0.01     | 0.001      |
| D006713            |                                   | <20       | 0.03      | <10       | <10       | 10       | <10       | 18       | <0.01     | <0.001     |
| D006714            |                                   | <20       | 0.18      | <10       | <10       | 66       | <10       | 125      | <0.01     | 0.001      |
| D006715            |                                   | <20       | 0.22      | <10       | <10       | 78       | <10       | 112      | <0.01     | 0.001      |
| D006716            |                                   | <20       | 0.21      | <10       | <10       | 84       | <10       | 117      | <0.01     | <0.001     |
| D006717            |                                   | <20       | 0.27      | <10       | <10       | 138      | <10       | 274      | 0.09      | 0.026      |
| D006718            |                                   | <20       | 0.26      | 10        | <10       | 132      | <10       | 264      | 0.09      | 0.025      |
| D006719            |                                   | <20       | 0.24      | <10       | <10       | 113      | <10       | 299      | 0.03      | 0.005      |
| D006720            |                                   | <20       | 0.09      | <10       | <10       | 39       | <10       | 42       | <0.01     | 0.001      |
| D006721            |                                   | <20       | 0.18      | <10       | <10       | 91       | <10       | 187      | 0.04      | 0.008      |
| D006722            |                                   | <20       | 0.23      | <10       | <10       | 89       | <10       | 124      | <0.01     | 0.001      |
| D006723            |                                   | <20       | 0.22      | <10       | <10       | 89       | <10       | 121      | <0.01     | 0.001      |
| D006724            |                                   | <20       | 0.18      | <10       | <10       | 73       | <10       | 93       | <0.01     | 0.001      |
| D006725            |                                   | <20       | 0.18      | <10       | <10       | 82       | <10       | 91       | <0.01     | <0.001     |
| D006726            |                                   | <20       | 0.08      | <10       | <10       | 66       | <10       | 113      | 0.01      | 0.001      |
| D006727            |                                   | <20       | 0.01      | <10       | <10       | 58       | <10       | 115      | 0.01      | 0.001      |
| D006728            |                                   | <20       | 0.02      | <10       | <10       | 42       | 10        | 78       | 0.48      | 0.013      |
| D006729            |                                   | <20       | 0.16      | <10       | <10       | 85       | <10       | 147      | 0.01      | 0.001      |
| D006730            |                                   | <20       | 0.15      | <10       | <10       | 74       | <10       | 123      | 0.01      | 0.001      |
| D006731            |                                   | <20       | 0.20      | <10       | <10       | 81       | <10       | 95       | <0.01     | <0.001     |
| D006732            |                                   | <20       | 0.20      | <10       | <10       | 81       | 10        | 95       | <0.01     | 0.001      |
| D006733            |                                   | <20       | 0.24      | <10       | <10       | 92       | <10       | 127      | <0.01     | <0.001     |
| D006734            |                                   | <20       | 0.15      | <10       | <10       | 51       | <10       | 85       | 0.01      | 0.001      |
| D006735            |                                   | <20       | 0.17      | <10       | <10       | 65       | <10       | 100      | <0.01     | <0.001     |
| D006736            |                                   | <20       | 0.21      | <10       | <10       | 70       | <10       | 143      | 0.01      | <0.001     |
| D006737            |                                   | <20       | 0.10      | <10       | <10       | 36       | <10       | 42       | <0.01     | <0.001     |
| D006738            |                                   | <20       | 0.18      | <10       | <10       | 70       | <10       | 146      | <0.01     | <0.001     |
| D006739            |                                   | <20       | 0.24      | <10       | <10       | 87       | <10       | 180      | 0.01      | 0.001      |
| D006740            |                                   | <20       | 0.21      | <10       | <10       | 73       | <10       | 182      | <0.01     | <0.001     |
| D006741            |                                   | <20       | 0.21      | <10       | <10       | 74       | <10       | 187      | <0.01     | <0.001     |
| D006742            |                                   | <20       | 0.26      | <10       | <10       | 91       | <10       | 189      | 0.03      | 0.002      |
| D006743            |                                   | <20       | 0.24      | <10       | <10       | 89       | <10       | 304      | 0.02      | 0.001      |



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## CERTIFICATE OF ANALYSIS TR07086407

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg | Au-AA23<br>Au<br>ppm | ME-ICP41<br>Ag<br>ppm | ME-ICP41<br>Al<br>% | ME-ICP41<br>As<br>ppm | ME-ICP41<br>B<br>ppm | ME-ICP41<br>Ba<br>ppm | ME-ICP41<br>Be<br>ppm | ME-ICP41<br>Bi<br>ppm | ME-ICP41<br>Ca<br>% | ME-ICP41<br>Cd<br>ppm | ME-ICP41<br>Co<br>ppm | ME-ICP41<br>Cr<br>ppm | ME-ICP41<br>Cu<br>ppm | ME-ICP41<br>Fe<br>% |
|--------------------|-----------------------------------|---------------------------|----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
|                    |                                   | 0.02                      | 0.005                | 0.2                   | 0.01                | 2                     | 10                   | 10                    | 0.5                   | 2                     | 0.01                | 0.5                   | 1                     | 1                     | 1                     | 0.01                |
| D006744            |                                   | 2.64                      | <0.005               | 0.2                   | 2.12                | <2                    | <10                  | 720                   | <0.5                  | <2                    | 0.57                | <0.5                  | 11                    | 8                     | 372                   | 4.21                |
| D006745            |                                   | 0.14                      | 1.060                | 3.8                   | 1.23                | 57                    | <10                  | 180                   | <0.5                  | 7                     | 0.68                | 2.8                   | 13                    | 64                    | 3260                  | 3.93                |
| D006746            |                                   | 2.56                      | <0.005               | <0.2                  | 2.00                | <2                    | <10                  | 1170                  | <0.5                  | <2                    | 0.45                | <0.5                  | 10                    | 11                    | 6                     | 4.01                |
| D006747            |                                   | 4.17                      | <0.005               | <0.2                  | 1.59                | <2                    | <10                  | 570                   | <0.5                  | <2                    | 0.77                | <0.5                  | 8                     | 9                     | 4                     | 2.98                |
| D006748            |                                   | 3.07                      | <0.005               | <0.2                  | 1.41                | <2                    | <10                  | 280                   | <0.5                  | <2                    | 0.63                | <0.5                  | 7                     | 7                     | 3                     | 2.50                |
| D006749            |                                   | 1.87                      | <0.005               | <0.2                  | 2.89                | <2                    | <10                  | 490                   | 0.5                   | <2                    | 1.92                | <0.5                  | 12                    | 3                     | 26                    | 4.30                |
| D006750            |                                   | 3.99                      | <0.005               | <0.2                  | 1.39                | <2                    | <10                  | 220                   | <0.5                  | <2                    | 0.68                | <0.5                  | 6                     | 6                     | 3                     | 2.52                |
| D006751            |                                   | 3.87                      | 0.030                | 0.5                   | 0.99                | <2                    | <10                  | 180                   | <0.5                  | <2                    | 0.57                | <0.5                  | 5                     | 6                     | 525                   | 1.85                |
| D006752            |                                   | 4.97                      | 0.073                | 0.6                   | 1.10                | <2                    | <10                  | 160                   | <0.5                  | 2                     | 0.93                | <0.5                  | 6                     | 6                     | 648                   | 2.58                |
| D006753            |                                   | 5.05                      | <0.005               | <0.2                  | 1.19                | <2                    | <10                  | 170                   | <0.5                  | <2                    | 0.65                | <0.5                  | 6                     | 7                     | 2                     | 2.32                |
| D006754            |                                   | 2.24                      | <0.005               | <0.2                  | 0.37                | <2                    | <10                  | 200                   | <0.5                  | <2                    | 0.69                | <0.5                  | 1                     | 4                     | 4                     | 0.62                |
| D006755            |                                   | 3.52                      | <0.005               | <0.2                  | 1.28                | <2                    | <10                  | 320                   | <0.5                  | <2                    | 0.82                | <0.5                  | 6                     | 7                     | 3                     | 2.34                |
| D006756            |                                   | 3.15                      | <0.005               | <0.2                  | 1.31                | <2                    | <10                  | 340                   | <0.5                  | <2                    | 0.81                | <0.5                  | 6                     | 9                     | 3                     | 2.46                |
| D006757            |                                   | 3.45                      | <0.005               | <0.2                  | 1.49                | <2                    | <10                  | 380                   | <0.5                  | 2                     | 0.81                | <0.5                  | 7                     | 8                     | 2                     | 2.77                |
| D006758            |                                   | 3.93                      | <0.005               | <0.2                  | 1.68                | 2                     | <10                  | 520                   | <0.5                  | <2                    | 0.58                | <0.5                  | 6                     | 6                     | 49                    | 2.43                |
| D006759            |                                   | 2.64                      | <0.005               | <0.2                  | 1.46                | <2                    | <10                  | 380                   | <0.5                  | <2                    | 0.47                | <0.5                  | 5                     | 7                     | 4                     | 2.06                |
| D006760            |                                   | 3.30                      | 0.007                | <0.2                  | 1.86                | <2                    | <10                  | 540                   | <0.5                  | 2                     | 0.53                | <0.5                  | 7                     | 7                     | 525                   | 2.76                |
| D006761            |                                   | 3.51                      | <0.005               | <0.2                  | 1.57                | <2                    | <10                  | 370                   | <0.5                  | <2                    | 0.41                | <0.5                  | 7                     | 7                     | 251                   | 2.37                |
| D006762            |                                   | 3.98                      | 0.032                | 1.0                   | 1.57                | <2                    | <10                  | 370                   | <0.5                  | <2                    | 0.64                | <0.5                  | 9                     | 5                     | 2280                  | 2.74                |
| D006763            |                                   | <0.02                     | 0.034                | 0.9                   | 1.50                | <2                    | <10                  | 370                   | <0.5                  | <2                    | 0.64                | 0.5                   | 10                    | 5                     | 2430                  | 2.73                |
| D006764            |                                   | 2.94                      | 0.028                | 0.9                   | 1.59                | 2                     | <10                  | 400                   | <0.5                  | <2                    | 0.71                | 0.6                   | 9                     | 4                     | 2090                  | 2.77                |
| D006765            |                                   | 3.46                      | 0.064                | 0.9                   | 1.86                | <2                    | <10                  | 430                   | <0.5                  | <2                    | 1.54                | <0.5                  | 14                    | 4                     | 3560                  | 3.59                |
| D006766            |                                   | 2.58                      | <0.005               | <0.2                  | 0.82                | <2                    | <10                  | 170                   | <0.5                  | 2                     | 0.38                | <0.5                  | 4                     | 8                     | 8                     | 1.90                |
| D006767            |                                   | 2.57                      | <0.005               | <0.2                  | 1.29                | <2                    | <10                  | 300                   | <0.5                  | <2                    | 0.86                | <0.5                  | 6                     | 6                     | 11                    | 2.09                |
| D006768            |                                   | 3.97                      | <0.005               | <0.2                  | 1.50                | 3                     | <10                  | 430                   | <0.5                  | 2                     | 0.76                | <0.5                  | 6                     | 6                     | 5                     | 2.43                |
| D006769            |                                   | 4.19                      | <0.005               | <0.2                  | 1.43                | <2                    | <10                  | 430                   | <0.5                  | <2                    | 0.75                | <0.5                  | 6                     | 7                     | 3                     | 2.50                |
| D006770            |                                   | 3.95                      | <0.005               | <0.2                  | 1.33                | <2                    | <10                  | 320                   | <0.5                  | 2                     | 0.86                | <0.5                  | 7                     | 7                     | 2                     | 2.36                |
| D006771            |                                   | 3.67                      | <0.005               | <0.2                  | 1.28                | <2                    | <10                  | 250                   | <0.5                  | 2                     | 1.02                | <0.5                  | 5                     | 6                     | 2                     | 2.28                |
| D006772            |                                   | 4.28                      | <0.005               | <0.2                  | 1.25                | <2                    | <10                  | 220                   | <0.5                  | <2                    | 0.89                | <0.5                  | 5                     | 8                     | 3                     | 2.15                |
| D006773            |                                   | 2.70                      | <0.005               | <0.2                  | 1.35                | 2                     | <10                  | 310                   | <0.5                  | <2                    | 0.69                | <0.5                  | 5                     | 7                     | 2                     | 2.30                |
| D006774            |                                   | 2.39                      | 0.020                | 0.3                   | 1.56                | <2                    | <10                  | 410                   | <0.5                  | <2                    | 0.54                | <0.5                  | 6                     | 6                     | 367                   | 2.61                |
| D006775            |                                   | <0.02                     | 0.027                | 0.2                   | 1.54                | <2                    | <10                  | 410                   | <0.5                  | <2                    | 0.54                | <0.5                  | 5                     | 6                     | 367                   | 2.58                |
| D006776            |                                   | 2.34                      | 0.032                | 0.3                   | 1.47                | <2                    | <10                  | 310                   | <0.5                  | <2                    | 0.79                | <0.5                  | 5                     | 6                     | 465                   | 2.48                |
| D006777            |                                   | 0.13                      | 0.954                | 3.9                   | 1.27                | 69                    | <10                  | 100                   | <0.5                  | 4                     | 0.69                | 2.8                   | 13                    | 65                    | 3360                  | 3.81                |
| D006778            |                                   | 2.59                      | <0.005               | <0.2                  | 1.27                | 2                     | <10                  | 290                   | <0.5                  | <2                    | 0.63                | <0.5                  | 4                     | 6                     | 5                     | 2.11                |
| D006779            |                                   | 3.59                      | <0.005               | <0.2                  | 1.17                | <2                    | <10                  | 160                   | <0.5                  | <2                    | 0.61                | <0.5                  | 4                     | 5                     | 6                     | 1.84                |
| D006780            |                                   | 3.76                      | <0.005               | <0.2                  | 1.45                | 2                     | <10                  | 280                   | <0.5                  | <2                    | 0.84                | <0.5                  | 5                     | 7                     | 3                     | 2.44                |
| D006781            |                                   | 2.58                      | <0.005               | <0.2                  | 1.41                | 2                     | <10                  | 230                   | <0.5                  | <2                    | 0.85                | <0.5                  | 5                     | 7                     | 4                     | 2.62                |
| D006782            |                                   | 3.07                      | 0.036                | 0.3                   | 1.78                | <2                    | <10                  | 270                   | <0.5                  | <2                    | 0.56                | <0.5                  | 8                     | 7                     | 1310                  | 4.03                |
| D006783            |                                   | <0.02                     | 0.030                | 0.2                   | 1.68                | 4                     | <10                  | 250                   | <0.5                  | <2                    | 0.53                | <0.5                  | 8                     | 7                     | 1290                  | 3.91                |



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Total # Pages: 5 (A - C)

Finalized Date: 12-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07086407

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41 |
|--------------------|-----------------------------------|-----------|----------|-----------|-----------|-----------|----------|----------|-----------|----------|-----------|----------|-----------|----------|----------|
|                    |                                   | Ga        | Hg       | K         | La        | Mg        | Mn       | Mo       | Na        | Ni       | P         | Pb       | S         | Sb       | Sc       |
|                    |                                   | ppm<br>10 | ppm<br>1 | %<br>0.01 | ppm<br>10 | %<br>0.01 | ppm<br>5 | ppm<br>1 | %<br>0.01 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | ppm<br>2 | ppm<br>1 |
| D006744            |                                   | 10        | <1       | 1.52      | 10        | 1.23      | 892      | 2        | 0.10      | 2        | 1380      | 4        | 0.31      | 2        | 6        |
| D006745            |                                   | <10       | <1       | 0.47      | 20        | 0.53      | 291      | 207      | 0.03      | 12       | 540       | 119      | 1.65      | 27       | 4        |
| D006746            |                                   | 10        | <1       | 1.37      | 10        | 1.07      | 743      | 1        | 0.15      | <1       | 680       | 2        | 0.02      | <2       | 3        |
| D006747            |                                   | 10        | <1       | 0.82      | 10        | 0.85      | 634      | <1       | 0.15      | 2        | 790       | 3        | 0.01      | 2        | 4        |
| D006748            |                                   | 10        | <1       | 0.78      | 10        | 0.73      | 517      | <1       | 0.11      | 2        | 640       | 4        | <0.01     | <2       | 1        |
| D006749            |                                   | 10        | <1       | 0.93      | 10        | 1.48      | 897      | <1       | 0.26      | <1       | 1800      | 4        | 0.04      | 2        | 8        |
| D006750            |                                   | 10        | <1       | 0.61      | 10        | 0.74      | 510      | <1       | 0.11      | 1        | 730       | 4        | <0.01     | <2       | 4        |
| D006751            |                                   | <10       | <1       | 0.36      | 10        | 0.47      | 351      | <1       | 0.09      | <1       | 410       | 2        | 0.01      | <2       | 1        |
| D006752            |                                   | 10        | <1       | 0.34      | 10        | 0.54      | 517      | <1       | 0.08      | 1        | 580       | 4        | 0.03      | <2       | 3        |
| D006753            |                                   | 10        | <1       | 0.39      | 10        | 0.63      | 440      | <1       | 0.09      | <1       | 580       | 3        | <0.01     | <2       | 3        |
| D006754            |                                   | <10       | <1       | 0.14      | <10       | 0.09      | 201      | <1       | 0.08      | 1        | 40        | 4        | <0.01     | <2       | <1       |
| D006755            |                                   | 10        | <1       | 0.67      | 10        | 0.60      | 516      | <1       | 0.13      | <1       | 580       | 2        | <0.01     | <2       | 5        |
| D006756            |                                   | 10        | <1       | 0.75      | 10        | 0.65      | 500      | <1       | 0.12      | 1        | 650       | 4        | <0.01     | <2       | 6        |
| D006757            |                                   | 10        | <1       | 0.91      | 20        | 0.75      | 506      | <1       | 0.13      | 2        | 770       | 6        | <0.01     | <2       | 5        |
| D006758            |                                   | 10        | <1       | 1.04      | <10       | 0.88      | 459      | <1       | 0.13      | 1        | 840       | 4        | <0.01     | <2       | 4        |
| D006759            |                                   | 10        | <1       | 0.87      | <10       | 0.73      | 374      | <1       | 0.14      | 2        | 140       | 3        | <0.01     | <2       | 3        |
| D006760            |                                   | 10        | <1       | 1.23      | <10       | 1.06      | 508      | <1       | 0.13      | 3        | 150       | 6        | 0.05      | <2       | 6        |
| D006761            |                                   | 10        | <1       | 0.98      | <10       | 0.82      | 382      | 1        | 0.14      | <1       | 770       | <2       | 0.08      | <2       | 6        |
| D006762            |                                   | 10        | <1       | 0.91      | 10        | 0.77      | 445      | 20       | 0.10      | <1       | 430       | 4        | 0.23      | <2       | 4        |
| D006763            |                                   | 10        | <1       | 0.89      | 10        | 0.76      | 438      | 18       | 0.09      | <1       | 450       | <2       | 0.25      | <2       | 4        |
| D006764            |                                   | 10        | <1       | 0.83      | 10        | 0.77      | 395      | 29       | 0.07      | 1        | 630       | 3        | 0.34      | <2       | 5        |
| D006765            |                                   | 10        | <1       | 1.17      | 20        | 1.01      | 669      | 42       | 0.07      | 3        | 1170      | 3        | 0.63      | <2       | 6        |
| D006766            |                                   | <10       | <1       | 0.41      | 10        | 0.48      | 393      | <1       | 0.13      | 1        | 470       | <2       | <0.01     | <2       | 3        |
| D006767            |                                   | 10        | <1       | 0.62      | <10       | 0.55      | 407      | <1       | 0.09      | 1        | 650       | 3        | <0.01     | <2       | 4        |
| D006768            |                                   | 10        | <1       | 0.87      | 40        | 0.70      | 512      | <1       | 0.12      | 2        | 810       | 3        | <0.01     | <2       | 5        |
| D006769            |                                   | 10        | <1       | 0.86      | 10        | 0.69      | 611      | <1       | 0.12      | 1        | 640       | 3        | <0.01     | <2       | 5        |
| D006770            |                                   | 10        | <1       | 0.64      | 10        | 0.66      | 621      | <1       | 0.13      | 1        | 660       | 2        | <0.01     | <2       | 5        |
| D006771            |                                   | 10        | <1       | 0.43      | 10        | 0.65      | 633      | <1       | 0.11      | 2        | 630       | 3        | <0.01     | <2       | 4        |
| D006772            |                                   | 10        | 1        | 0.51      | 10        | 0.64      | 574      | 1        | 0.12      | 3        | 640       | 4        | 0.02      | <2       | 5        |
| D006773            |                                   | 10        | <1       | 0.71      | 10        | 0.69      | 575      | 1        | 0.11      | 3        | 650       | 2        | 0.02      | <2       | 4        |
| D006774            |                                   | 10        | 1        | 0.91      | 10        | 0.79      | 589      | 3        | 0.11      | 2        | 870       | 3        | 0.06      | <2       | 2        |
| D006775            |                                   | 10        | <1       | 0.92      | 10        | 0.78      | 586      | 3        | 0.11      | 2        | 870       | <2       | 0.06      | <2       | 2        |
| D006776            |                                   | 10        | <1       | 0.77      | 10        | 0.75      | 600      | <1       | 0.10      | 2        | 890       | 3        | 0.05      | <2       | 2        |
| D006777            |                                   | <10       | 1        | 0.47      | 30        | 0.55      | 282      | 202      | 0.03      | 13       | 560       | 114      | 1.67      | 23       | 4        |
| D006778            |                                   | 10        | 1        | 0.59      | 10        | 0.64      | 525      | <1       | 0.10      | 2        | 790       | 2        | 0.02      | <2       | 3        |
| D006779            |                                   | 10        | <1       | 0.40      | 10        | 0.57      | 469      | <1       | 0.09      | 1        | 580       | 3        | 0.02      | <2       | 3        |
| D006780            |                                   | 10        | <1       | 0.71      | 10        | 0.73      | 678      | <1       | 0.14      | 2        | 750       | <2       | 0.03      | <2       | 6        |
| D006781            |                                   | 10        | <1       | 0.61      | 10        | 0.71      | 625      | <1       | 0.11      | <1       | 710       | 2        | 0.01      | <2       | 5        |
| D006782            |                                   | 10        | 1        | 1.13      | 10        | 0.89      | 374      | 7        | 0.13      | 3        | 1040      | <2       | 0.46      | <2       | 6        |
| D006783            |                                   | 10        | <1       | 1.06      | 10        | 0.85      | 357      | 7        | 0.11      | 3        | 980       | <2       | 0.46      | <2       | 5        |



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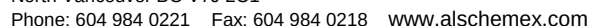
Total # Pages: 5 (A - C)

Finalized Date: 12-SEP-2007

Account: MINTEX

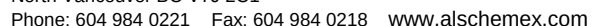
## CERTIFICATE OF ANALYSIS TR07086407

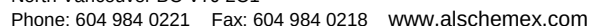
| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | Cu-AA62   | Cu-AA05    |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|------------|
|                    |                                   | Th        | Ti        | Ti        | U         | V        | W         | Zn       | Cu        | Cu         |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| D006744            |                                   | <20       | 0.30      | <10       | <10       | 110      | <10       | 146      | 0.04      | 0.002      |
| D006745            |                                   | <20       | 0.04      | <10       | <10       | 40       | 10        | 164      | 0.33      | 0.071      |
| D006746            |                                   | <20       | 0.32      | <10       | <10       | 110      | <10       | 110      | <0.01     | <0.001     |
| D006747            |                                   | <20       | 0.22      | <10       | <10       | 75       | <10       | 89       | <0.01     | <0.001     |
| D006748            |                                   | <20       | 0.15      | <10       | <10       | 52       | <10       | 86       | <0.01     | <0.001     |
| D006749            |                                   | <20       | 0.20      | <10       | <10       | 97       | <10       | 89       | <0.01     | 0.001      |
| D006750            |                                   | <20       | 0.11      | <10       | <10       | 51       | <10       | 86       | <0.01     | 0.001      |
| D006751            |                                   | <20       | 0.06      | <10       | <10       | 32       | <10       | 68       | 0.05      | 0.012      |
| D006752            |                                   | <20       | 0.05      | <10       | <10       | 44       | <10       | 84       | 0.06      | 0.012      |
| D006753            |                                   | <20       | 0.07      | <10       | <10       | 43       | <10       | 77       | <0.01     | 0.001      |
| D006754            |                                   | <20       | <0.01     | <10       | <10       | 8        | <10       | 13       | <0.01     | 0.001      |
| D006755            |                                   | <20       | 0.13      | <10       | <10       | 49       | <10       | 87       | <0.01     | <0.001     |
| D006756            |                                   | <20       | 0.14      | <10       | <10       | 51       | <10       | 73       | <0.01     | <0.001     |
| D006757            |                                   | <20       | 0.17      | <10       | <10       | 61       | <10       | 83       | <0.01     | <0.001     |
| D006758            |                                   | <20       | 0.24      | <10       | <10       | 85       | <10       | 55       | 0.01      | 0.001      |
| D006759            |                                   | <20       | 0.19      | <10       | <10       | 81       | <10       | 47       | <0.01     | <0.001     |
| D006760            |                                   | <20       | 0.27      | <10       | <10       | 112      | <10       | 65       | 0.06      | 0.003      |
| D006761            |                                   | <20       | 0.20      | <10       | <10       | 75       | <10       | 50       | 0.03      | 0.002      |
| D006762            |                                   | <20       | 0.19      | <10       | <10       | 82       | <10       | 72       | 0.25      | 0.024      |
| D006763            |                                   | <20       | 0.18      | <10       | <10       | 81       | <10       | 71       | 0.26      | 0.020      |
| D006764            |                                   | <20       | 0.15      | <10       | <10       | 81       | <10       | 67       | 0.21      | 0.017      |
| D006765            |                                   | <20       | 0.25      | <10       | <10       | 108      | <10       | 85       | 0.36      | 0.019      |
| D006766            |                                   | <20       | 0.11      | <10       | <10       | 39       | <10       | 45       | <0.01     | 0.001      |
| D006767            |                                   | <20       | 0.11      | <10       | <10       | 48       | <10       | 65       | <0.01     | <0.001     |
| D006768            |                                   | <20       | 0.17      | <10       | <10       | 56       | <10       | 77       | <0.01     | <0.001     |
| D006769            |                                   | <20       | 0.17      | <10       | <10       | 57       | <10       | 81       | <0.01     | <0.001     |
| D006770            |                                   | <20       | 0.14      | <10       | <10       | 52       | <10       | 76       | <0.01     | <0.001     |
| D006771            |                                   | <20       | 0.09      | <10       | <10       | 48       | <10       | 76       | <0.01     | <0.001     |
| D006772            |                                   | <20       | 0.11      | <10       | <10       | 48       | <10       | 77       | <0.01     | <0.001     |
| D006773            |                                   | <20       | 0.14      | <10       | <10       | 55       | <10       | 84       | <0.01     | <0.001     |
| D006774            |                                   | <20       | 0.17      | <10       | <10       | 65       | <10       | 93       | 0.03      | 0.002      |
| D006775            |                                   | <20       | 0.17      | <10       | <10       | 66       | <10       | 93       | 0.03      | 0.002      |
| D006776            |                                   | <20       | 0.14      | <10       | <10       | 62       | <10       | 92       | 0.04      | 0.006      |
| D006777            |                                   | <20       | 0.03      | <10       | <10       | 40       | <10       | 160      | 0.33      | 0.076      |
| D006778            |                                   | <20       | 0.11      | <10       | <10       | 48       | <10       | 71       | <0.01     | <0.001     |
| D006779            |                                   | <20       | 0.07      | <10       | <10       | 37       | <10       | 65       | <0.01     | <0.001     |
| D006780            |                                   | <20       | 0.15      | <10       | <10       | 59       | <10       | 77       | <0.01     | <0.001     |
| D006781            |                                   | <20       | 0.11      | <10       | <10       | 56       | <10       | 72       | <0.01     | <0.001     |
| D006782            |                                   | <20       | 0.22      | <10       | <10       | 83       | <10       | 67       | 0.13      | 0.008      |
| D006783            |                                   | <20       | 0.20      | <10       | <10       | 78       | <10       | 63       | 0.13      | 0.007      |



Account: MINTEX

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21    | Au-AA23 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 |
|--------------------|-----------------------------------|-----------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                    |                                   | Recvd Wt. | Au      | Ag       | Al       | As       | B        | Ba       | Be       | Bi       | Ca       | Cd       | Co       | Cr       | Cu       | Fe       |
|                    |                                   | kg        | ppm     | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm      | %        | ppm      | ppm      | ppm      | ppm      | %        |
|                    |                                   | 0.02      | 0.005   | 0.2      | 0.01     | 2        | 10       | 10       | 0.5      | 2        | 0.01     | 0.5      | 1        | 1        | 1        | 0.01     |
| D006784            |                                   | 3.05      | 0.041   | 0.4      | 1.73     | <2       | <10      | 220      | <0.5     | <2       | 0.61     | <0.5     | 6        | 7        | 1090     | 3.66     |
| D006785            |                                   | 3.16      | 0.010   | 0.2      | 1.80     | <2       | <10      | 320      | <0.5     | 2        | 0.76     | <0.5     | 7        | 7        | 619      | 3.58     |
| D006786            |                                   | 2.11      | <0.005  | <0.2     | 0.88     | <2       | <10      | 170      | <0.5     | <2       | 0.41     | <0.5     | 3        | 8        | 8        | 1.85     |
| D006787            |                                   | 2.73      | <0.005  | <0.2     | 1.53     | 2        | <10      | 310      | <0.5     | <2       | 0.93     | <0.5     | 6        | 7        | 6        | 2.65     |
| D006788            |                                   | 4.07      | <0.005  | <0.2     | 1.34     | <2       | <10      | 250      | <0.5     | <2       | 0.79     | <0.5     | 5        | 9        | 3        | 2.35     |
| D006789            |                                   | 7.24      | <0.005  | <0.2     | 1.27     | <2       | <10      | 200      | <0.5     | <2       | 1.05     | <0.5     | 5        | 7        | 3        | 2.21     |
| D006790            |                                   | 7.35      | <0.005  | <0.2     | 1.38     | 4        | <10      | 200      | <0.5     | <2       | 0.83     | <0.5     | 6        | 8        | 8        | 2.46     |
| D006791            |                                   | 4.04      | <0.005  | <0.2     | 1.35     | <2       | <10      | 260      | <0.5     | <2       | 0.89     | <0.5     | 5        | 7        | 2        | 2.28     |
| D006792            |                                   | 2.54      | <0.005  | <0.2     | 1.38     | <2       | <10      | 260      | <0.5     | <2       | 1.02     | <0.5     | 5        | 7        | 3        | 2.46     |
| D006793            |                                   | 2.62      | 0.019   | 0.4      | 1.84     | <2       | <10      | 390      | <0.5     | <2       | 1.33     | <0.5     | 9        | 7        | 474      | 4.60     |
| D006794            |                                   | <0.02     | 0.024   | 0.3      | 1.83     | <2       | <10      | 390      | <0.5     | <2       | 1.32     | <0.5     | 8        | 7        | 469      | 4.60     |
| D006795            |                                   | 2.52      | 0.010   | 0.2      | 1.78     | <2       | <10      | 510      | <0.5     | <2       | 1.05     | <0.5     | 9        | 7        | 225      | 3.77     |
| D006796            |                                   | 0.14      | 0.926   | 3.4      | 0.55     | 14       | <10      | 100      | <0.5     | 113      | 2.20     | <0.5     | 15       | 761      | 9980     | 7.74     |
| D006797            |                                   | 2.45      | <0.005  | <0.2     | 1.46     | <2       | <10      | 380      | <0.5     | <2       | 0.93     | <0.5     | 6        | 8        | 23       | 2.67     |
| D006798            |                                   | 4.07      | 0.007   | 0.3      | 1.13     | 2        | <10      | 100      | <0.5     | <2       | 1.05     | <0.5     | 5        | 5        | 278      | 2.29     |
| D006799            |                                   | 3.99      | 0.006   | <0.2     | 1.48     | <2       | <10      | 90       | <0.5     | <2       | 1.27     | <0.5     | 6        | 6        | 228      | 2.66     |
| D006800            |                                   | 3.96      | 0.005   | 0.2      | 1.43     | 2        | <10      | 60       | 0.5      | <2       | 1.32     | <0.5     | 5        | 6        | 219      | 2.58     |
| D006801            |                                   | <0.02     | 0.008   | <0.2     | 1.45     | 2        | <10      | 60       | 0.5      | <2       | 1.33     | <0.5     | 7        | 6        | 234      | 2.60     |
| D006802            |                                   | 4.03      | 0.011   | 0.4      | 1.43     | <2       | <10      | 110      | <0.5     | <2       | 1.10     | <0.5     | 6        | 7        | 500      | 2.75     |
| D006803            |                                   | 3.39      | <0.005  | <0.2     | 1.43     | <2       | <10      | 140      | <0.5     | <2       | 1.08     | <0.5     | 6        | 7        | 208      | 2.75     |
| D006804            |                                   | 2.94      | <0.005  | <0.2     | 1.40     | 4        | <10      | 370      | <0.5     | <2       | 0.68     | <0.5     | 6        | 6        | 60       | 2.50     |
| D006805            |                                   | 3.86      | 0.007   | 0.5      | 1.66     | <2       | <10      | 340      | <0.5     | <2       | 1.13     | <0.5     | 8        | 7        | 532      | 2.96     |
| D006806            |                                   | 3.31      | <0.005  | <0.2     | 0.92     | 5        | <10      | 160      | <0.5     | <2       | 0.46     | <0.5     | 3        | 8        | 3        | 1.99     |
| D006807            |                                   | 2.58      | <0.005  | <0.2     | 1.30     | 8        | <10      | 180      | <0.5     | <2       | 0.92     | <0.5     | 5        | 6        | 17       | 2.38     |
| D006808            |                                   | 3.96      | <0.005  | <0.2     | 1.41     | <2       | <10      | 300      | <0.5     | <2       | 0.77     | <0.5     | 6        | 6        | 3        | 2.56     |
|                    |                                   |           |         |          |          |          |          |          |          |          |          |          |          |          |          |          |

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To: MINTO EXPLORATION LTD

860 - 625 HOWE ST.

VANCOUVER BC V6C 2T6

Page: 1

Finalized Date: 6-SEP-2007

Account: MINTEX

## CERTIFICATE TR07089170

Project:

P.O. No.: E401

This report is for 144 Drill Core samples submitted to our lab in Terrace, BC, Canada on 14-AUG-2007.

The following have access to data associated with this certificate:

VIVIENNE MCLENNAN

BRAD MERCER

STEPHEN QUIN

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| SPL-34   | Pulp Splitting Charge          |
| LOG-22   | Sample login - Rcd w/o BarCode |
| CRU-QC   | Crushing QC Test               |
| PUL-QC   | Pulverizing QC Test            |
| CRU-31   | Fine crushing - 70% <2mm       |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |
| LOG-24   | Pulp Login - Rcd w/o Barcode   |
| SPL-21d  | Split sample - duplicate       |
| PUL-31d  | Pulverize Split - duplicate    |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION                    | INSTRUMENT |
|----------|--------------------------------|------------|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES  | ICP-AES    |
| Cu-AA62  | Ore grade Cu - four acid / AAS | AAS        |
| Cu-AA05  | Cu (nonsulfide) - sulfuric     | AAS        |
| Au-AA23  | Au 30g FA-AA finish            | AAS        |

To: MINTO EXPLORATION LTD  
ATTN: VIVIENNE MCLENNAN  
860 - 625 HOWE ST.  
VANCOUVER BC V6C 2T6

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Lawrence Ng, Laboratory Manager - Vancouver



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Page: 2 - A

Total # Pages: 5 (A - C)

Finalized Date: 6-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089170

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg | Au-AA23<br>Au<br>ppm | ME-ICP41<br>Ag<br>ppm | ME-ICP41<br>Al<br>% | ME-ICP41<br>As<br>ppm | ME-ICP41<br>B<br>ppm | ME-ICP41<br>Ba<br>ppm | ME-ICP41<br>Be<br>ppm | ME-ICP41<br>Bi<br>ppm | ME-ICP41<br>Ca<br>% | ME-ICP41<br>Cd<br>ppm | ME-ICP41<br>Co<br>ppm | ME-ICP41<br>Cr<br>ppm | ME-ICP41<br>Cu<br>ppm | ME-ICP41<br>Fe<br>% |
|--------------------|-----------------------------------|---------------------------|----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
|                    |                                   | 0.02                      | 0.005                | 0.2                   | 0.01                | 2                     | 10                   | 10                    | 0.5                   | 2                     | 0.01                | 0.5                   | 1                     | 1                     | 1                     | 0.01                |
| D006557            |                                   | 3.05                      | <0.005               | <0.2                  | 1.68                | <2                    | <10                  | 490                   | <0.5                  | <2                    | 0.78                | <0.5                  | 9                     | 7                     | 6                     | 2.95                |
| D006558            |                                   | 2.60                      | <0.005               | <0.2                  | 1.91                | <2                    | <10                  | 640                   | <0.5                  | <2                    | 0.61                | <0.5                  | 9                     | 7                     | 35                    | 2.86                |
| D006559            |                                   | 1.06                      | <0.005               | <0.2                  | 2.34                | <2                    | <10                  | 940                   | <0.5                  | <2                    | 1.13                | <0.5                  | 11                    | 7                     | 8                     | 4.14                |
| D006560            |                                   | 1.78                      | <0.005               | <0.2                  | 2.00                | <2                    | <10                  | 700                   | <0.5                  | <2                    | 0.70                | <0.5                  | 10                    | 8                     | 7                     | 3.04                |
| D006561            |                                   | 3.29                      | <0.005               | <0.2                  | 2.53                | <2                    | <10                  | 1150                  | <0.5                  | <2                    | 0.98                | <0.5                  | 11                    | 10                    | 26                    | 4.30                |
| D006562            |                                   | <0.02                     | <0.005               | <0.2                  | 2.61                | 2                     | <10                  | 1210                  | <0.5                  | <2                    | 0.98                | <0.5                  | 14                    | 10                    | 27                    | 4.50                |
| D006563            |                                   | 1.11                      | <0.005               | <0.2                  | 1.73                | 2                     | <10                  | 510                   | <0.5                  | <2                    | 1.09                | <0.5                  | 9                     | 6                     | 10                    | 3.22                |
| D006564            |                                   | 3.52                      | <0.005               | <0.2                  | 1.87                | <2                    | <10                  | 710                   | <0.5                  | <2                    | 0.83                | <0.5                  | 9                     | 8                     | 11                    | 3.32                |
| D006565            |                                   | 3.14                      | <0.005               | <0.2                  | 1.02                | <2                    | <10                  | 210                   | <0.5                  | <2                    | 0.46                | <0.5                  | 4                     | 8                     | 2                     | 1.95                |
| D006566            |                                   | 2.78                      | <0.005               | <0.2                  | 1.56                | 2                     | <10                  | 200                   | <0.5                  | <2                    | 0.94                | 0.5                   | 7                     | 6                     | 70                    | 2.90                |
| D006567            |                                   | 3.54                      | <0.005               | <0.2                  | 1.97                | <2                    | <10                  | 520                   | <0.5                  | <2                    | 0.69                | <0.5                  | 8                     | 8                     | 79                    | 3.44                |
| D006568            |                                   | 3.97                      | <0.005               | <0.2                  | 1.95                | <2                    | <10                  | 390                   | <0.5                  | <2                    | 1.29                | <0.5                  | 9                     | 7                     | 121                   | 3.48                |
| D006569            |                                   | 2.95                      | <0.005               | <0.2                  | 2.49                | 2                     | <10                  | 830                   | <0.5                  | <2                    | 1.20                | <0.5                  | 13                    | 8                     | 3                     | 4.47                |
| D006570            |                                   | 2.96                      | <0.005               | <0.2                  | 2.11                | 2                     | <10                  | 800                   | <0.5                  | <2                    | 1.00                | <0.5                  | 11                    | 7                     | 7                     | 3.82                |
| D006571            |                                   | <0.02                     | <0.005               | <0.2                  | 2.13                | <2                    | <10                  | 810                   | <0.5                  | <2                    | 1.01                | <0.5                  | 11                    | 7                     | 7                     | 3.88                |
| D006572            |                                   | 1.65                      | <0.005               | <0.2                  | 2.20                | <2                    | <10                  | 700                   | <0.5                  | <2                    | 0.92                | <0.5                  | 11                    | 7                     | 5                     | 3.64                |
| D006573            |                                   | 1.94                      | <0.005               | <0.2                  | 1.88                | 3                     | <10                  | 560                   | <0.5                  | <2                    | 0.81                | <0.5                  | 9                     | 5                     | 11                    | 3.43                |
| D006574            |                                   | 1.76                      | <0.005               | <0.2                  | 0.48                | <2                    | <10                  | 180                   | <0.5                  | <2                    | 0.12                | <0.5                  | 1                     | 4                     | 4                     | 0.58                |
| D006575            |                                   | 3.52                      | <0.005               | <0.2                  | 1.53                | <2                    | <10                  | 130                   | 0.5                   | <2                    | 1.21                | <0.5                  | 7                     | 3                     | 25                    | 2.59                |
| D006576            |                                   | 3.69                      | 0.033                | <0.2                  | 1.67                | <2                    | <10                  | 310                   | <0.5                  | <2                    | 0.95                | <0.5                  | 8                     | 5                     | 5                     | 3.27                |
| D006577            |                                   | 0.13                      | 0.992                | 4.3                   | 1.35                | 64                    | <10                  | 200                   | 0.5                   | 7                     | 0.76                | 2.8                   | 15                    | 68                    | 3380                  | 4.21                |
| D006578            |                                   | 2.90                      | <0.005               | <0.2                  | 1.69                | <2                    | <10                  | 330                   | <0.5                  | <2                    | 0.76                | <0.5                  | 9                     | 3                     | 18                    | 3.04                |
| D006579            |                                   | 2.34                      | <0.005               | <0.2                  | 1.77                | <2                    | <10                  | 330                   | <0.5                  | <2                    | 0.48                | <0.5                  | 9                     | 4                     | 108                   | 3.20                |
| D006580            |                                   | 1.95                      | <0.005               | <0.2                  | 1.75                | <2                    | <10                  | 400                   | <0.5                  | <2                    | 0.45                | <0.5                  | 9                     | 4                     | 126                   | 3.16                |
| D006581            |                                   | <0.02                     | <0.005               | <0.2                  | 1.83                | <2                    | <10                  | 410                   | <0.5                  | <2                    | 0.47                | <0.5                  | 8                     | 4                     | 128                   | 3.30                |
| D006582            |                                   | 1.55                      | 0.005                | 0.2                   | 1.78                | 3                     | <10                  | 210                   | <0.5                  | <2                    | 0.41                | 0.6                   | 9                     | 3                     | 162                   | 3.11                |
| D006583            |                                   | 3.73                      | <0.005               | 0.3                   | 1.62                | <2                    | <10                  | 180                   | <0.5                  | <2                    | 0.83                | <0.5                  | 9                     | 4                     | 68                    | 2.82                |
| D006584            |                                   | 3.35                      | <0.005               | <0.2                  | 1.48                | <2                    | <10                  | 150                   | <0.5                  | <2                    | 1.11                | <0.5                  | 8                     | 4                     | 35                    | 2.67                |
| D006585            |                                   | 2.88                      | <0.005               | <0.2                  | 1.39                | <2                    | <10                  | 220                   | <0.5                  | <2                    | 0.99                | <0.5                  | 8                     | 3                     | 12                    | 2.65                |
| D006586            |                                   | 3.06                      | <0.005               | <0.2                  | 1.64                | <2                    | <10                  | 230                   | <0.5                  | <2                    | 1.03                | <0.5                  | 9                     | 4                     | 35                    | 3.03                |
| D006587            |                                   | 2.44                      | <0.005               | <0.2                  | 0.95                | <2                    | <10                  | 160                   | <0.5                  | <2                    | 0.43                | <0.5                  | 4                     | 7                     | 2                     | 1.81                |
| D006588            |                                   | 2.76                      | <0.005               | <0.2                  | 1.38                | <2                    | <10                  | 280                   | <0.5                  | <2                    | 1.32                | <0.5                  | 8                     | 6                     | 3                     | 2.67                |
| D006589            |                                   | 4.11                      | <0.005               | <0.2                  | 1.34                | <2                    | <10                  | 310                   | <0.5                  | <2                    | 1.00                | <0.5                  | 6                     | 5                     | 2                     | 2.47                |
| D006590            |                                   | 3.38                      | <0.005               | <0.2                  | 1.53                | <2                    | <10                  | 290                   | <0.5                  | <2                    | 0.97                | <0.5                  | 7                     | 5                     | 2                     | 2.81                |
| D006591            |                                   | 2.33                      | 0.008                | <0.2                  | 1.54                | <2                    | <10                  | 300                   | <0.5                  | <2                    | 1.04                | <0.5                  | 9                     | 5                     | 2                     | 2.73                |
| D006592            |                                   | 2.64                      | <0.005               | <0.2                  | 1.75                | <2                    | <10                  | 390                   | <0.5                  | <2                    | 1.50                | <0.5                  | 9                     | 6                     | 2                     | 3.22                |
| D006593            |                                   | <0.02                     | 0.007                | <0.2                  | 1.68                | <2                    | <10                  | 370                   | <0.5                  | <2                    | 1.44                | <0.5                  | 9                     | 6                     | 2                     | 3.08                |
| D006594            |                                   | 1.59                      | <0.005               | <0.2                  | 1.59                | <2                    | <10                  | 220                   | <0.5                  | <2                    | 1.57                | <0.5                  | 8                     | 3                     | 2                     | 2.91                |
| D006595            |                                   | 2.77                      | <0.005               | <0.2                  | 1.52                | <2                    | <10                  | 70                    | 0.6                   | <2                    | 2.98                | <0.5                  | 8                     | 3                     | 7                     | 2.67                |
| D006596            |                                   | 3.82                      | <0.005               | <0.2                  | 1.34                | <2                    | <10                  | 180                   | <0.5                  | <2                    | 0.97                | <0.5                  | 7                     | 5                     | 1                     | 2.44                |



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Page: 2 - B

Total # Pages: 5 (A - C)

Finalized Date: 6-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089170

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41 |
|--------------------|-----------------------------------|-----------|----------|-----------|-----------|-----------|----------|----------|-----------|----------|-----------|----------|-----------|----------|----------|
|                    |                                   | Ga        | Hg       | K         | La        | Mg        | Mn       | Mo       | Na        | Ni       | P         | Pb       | S         | Sb       | Sc       |
|                    |                                   | ppm<br>10 | ppm<br>1 | %<br>0.01 | ppm<br>10 | %<br>0.01 | ppm<br>5 | ppm<br>1 | %<br>0.01 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | ppm<br>2 | ppm<br>1 |
| D006557            |                                   | 10        | 1        | 0.97      | <10       | 0.97      | 765      | <1       | 0.15      | 3        | 1160      | 2        | <0.01     | <2       | 8        |
| D006558            |                                   | 10        | <1       | 1.15      | 10        | 1.14      | 711      | <1       | 0.19      | 1        | 1170      | <2       | 0.01      | <2       | 4        |
| D006559            |                                   | 10        | 1        | 1.41      | 20        | 1.45      | 994      | <1       | 0.19      | 4        | 2030      | 2        | 0.01      | <2       | 7        |
| D006560            |                                   | 10        | <1       | 1.21      | 10        | 1.28      | 773      | <1       | 0.19      | 2        | 1160      | 3        | 0.01      | <2       | 7        |
| D006561            |                                   | 10        | <1       | 1.59      | 10        | 1.61      | 1030     | <1       | 0.18      | 3        | 2040      | <2       | 0.01      | <2       | 7        |
| D006562            |                                   | 10        | <1       | 1.72      | 10        | 1.68      | 1070     | <1       | 0.18      | 6        | 2080      | 2        | 0.01      | <2       | 7        |
| D006563            |                                   | 10        | 1        | 0.83      | 10        | 1.00      | 937      | <1       | 0.18      | 3        | 1550      | 2        | <0.01     | <2       | 5        |
| D006564            |                                   | 10        | <1       | 1.08      | 10        | 1.12      | 837      | <1       | 0.16      | 3        | 1420      | 2        | 0.02      | <2       | 5        |
| D006565            |                                   | <10       | <1       | 0.44      | 10        | 0.52      | 403      | <1       | 0.19      | 2        | 510       | 2        | 0.01      | <2       | 3        |
| D006566            |                                   | 10        | <1       | 0.80      | 20        | 0.89      | 999      | <1       | 0.15      | 2        | 1290      | 11       | 0.02      | <2       | 5        |
| D006567            |                                   | 10        | 1        | 1.22      | 20        | 1.07      | 1270     | <1       | 0.15      | 3        | 1340      | 11       | 0.02      | <2       | 5        |
| D006568            |                                   | 10        | <1       | 0.92      | <10       | 1.24      | 1005     | <1       | 0.19      | 2        | 1880      | 6        | 0.02      | <2       | 11       |
| D006569            |                                   | 10        | <1       | 1.48      | 10        | 1.57      | 1045     | <1       | 0.18      | 2        | 2310      | 2        | 0.02      | <2       | 8        |
| D006570            |                                   | 10        | <1       | 1.31      | 10        | 1.29      | 873      | <1       | 0.14      | 2        | 1670      | <2       | 0.01      | <2       | 7        |
| D006571            |                                   | 10        | <1       | 1.31      | 10        | 1.30      | 884      | <1       | 0.14      | 2        | 1700      | 2        | 0.02      | <2       | 7        |
| D006572            |                                   | 10        | <1       | 1.25      | <10       | 1.28      | 876      | <1       | 0.14      | 1        | 1630      | 2        | 0.01      | <2       | 6        |
| D006573            |                                   | 10        | <1       | 1.06      | 10        | 1.04      | 907      | <1       | 0.16      | 1        | 1280      | <2       | 0.01      | <2       | 6        |
| D006574            |                                   | <10       | <1       | 0.23      | <10       | 0.08      | 125      | <1       | 0.12      | <1       | 80        | 3        | 0.01      | <2       | <1       |
| D006575            |                                   | 10        | 1        | 0.34      | 20        | 0.80      | 1230     | <1       | 0.15      | <1       | 1220      | 17       | 0.01      | <2       | 5        |
| D006576            |                                   | 10        | <1       | 0.82      | 20        | 0.91      | 945      | <1       | 0.17      | 2        | 1330      | 6        | 0.01      | <2       | 5        |
| D006577            |                                   | <10       | <1       | 0.50      | 30        | 0.59      | 311      | 218      | 0.03      | 12       | 580       | 131      | 1.73      | 30       | 5        |
| D006578            |                                   | 10        | 1        | 0.94      | 20        | 0.95      | 1050     | 1        | 0.13      | 1        | 1210      | 6        | 0.02      | <2       | 4        |
| D006579            |                                   | 10        | 1        | 1.15      | 10        | 1.00      | 1090     | <1       | 0.10      | <1       | 1180      | 7        | 0.02      | <2       | 4        |
| D006580            |                                   | 10        | 1        | 1.09      | 10        | 0.99      | 1025     | <1       | 0.12      | 1        | 1190      | 8        | 0.01      | <2       | 4        |
| D006581            |                                   | 10        | 1        | 1.12      | 10        | 1.03      | 1080     | <1       | 0.13      | 1        | 1240      | 8        | 0.02      | <2       | 4        |
| D006582            |                                   | 10        | <1       | 0.86      | 20        | 1.04      | 956      | <1       | 0.07      | 1        | 1100      | 46       | 0.01      | <2       | 6        |
| D006583            |                                   | 10        | <1       | 0.93      | 20        | 0.91      | 1075     | <1       | 0.14      | 2        | 1200      | 13       | 0.01      | <2       | 4        |
| D006584            |                                   | 10        | <1       | 0.67      | 20        | 0.85      | 794      | <1       | 0.18      | 1        | 1230      | 8        | 0.01      | <2       | 5        |
| D006585            |                                   | 10        | <1       | 0.64      | 20        | 0.79      | 805      | <1       | 0.14      | <1       | 1180      | 4        | 0.01      | <2       | 5        |
| D006586            |                                   | 10        | <1       | 0.87      | 20        | 0.86      | 989      | <1       | 0.13      | 1        | 1220      | 7        | 0.02      | <2       | 5        |
| D006587            |                                   | <10       | 1        | 0.46      | 10        | 0.56      | 402      | <1       | 0.14      | 3        | 570       | 2        | 0.01      | <2       | 3        |
| D006588            |                                   | 10        | 1        | 0.51      | 10        | 0.72      | 654      | <1       | 0.13      | 2        | 860       | 2        | 0.01      | <2       | 6        |
| D006589            |                                   | 10        | 1        | 0.55      | 10        | 0.77      | 629      | <1       | 0.13      | 2        | 820       | 2        | 0.01      | <2       | 5        |
| D006590            |                                   | 10        | 1        | 0.58      | 10        | 0.85      | 726      | <1       | 0.14      | 2        | 900       | 3        | 0.01      | <2       | 5        |
| D006591            |                                   | 10        | <1       | 0.59      | 10        | 0.85      | 675      | <1       | 0.11      | 3        | 1000      | 4        | 0.01      | <2       | 6        |
| D006592            |                                   | 10        | <1       | 0.65      | 10        | 0.86      | 788      | <1       | 0.15      | 2        | 1040      | 3        | 0.01      | <2       | 8        |
| D006593            |                                   | 10        | <1       | 0.63      | 10        | 0.82      | 757      | <1       | 0.14      | 3        | 1010      | 2        | 0.01      | <2       | 8        |
| D006594            |                                   | 10        | <1       | 0.46      | 10        | 0.71      | 696      | <1       | 0.18      | <1       | 1270      | <2       | 0.02      | <2       | 6        |
| D006595            |                                   | 10        | <1       | 0.23      | 20        | 0.62      | 913      | <1       | 0.05      | 3        | 1180      | 5        | 0.02      | <2       | 6        |
| D006596            |                                   | 10        | <1       | 0.36      | 10        | 0.82      | 752      | <1       | 0.14      | 1        | 830       | 2        | 0.02      | <2       | 5        |



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Finalized Date: 6-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089170

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | Cu-AA62   | Cu-AA05    |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|------------|
|                    |                                   | Th        | Ti        | Ti        | U         | V        | W         | Zn       | Cu        | Cu         |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| D006557            |                                   | <20       | 0.21      | <10       | <10       | 83       | <10       | 111      | <0.01     | 0.001      |
| D006558            |                                   | <20       | 0.24      | <10       | <10       | 77       | <10       | 110      | <0.01     | 0.002      |
| D006559            |                                   | <20       | 0.29      | <10       | <10       | 114      | <10       | 142      | <0.01     | <0.001     |
| D006560            |                                   | <20       | 0.24      | <10       | <10       | 88       | <10       | 110      | <0.01     | 0.001      |
| D006561            |                                   | <20       | 0.33      | <10       | <10       | 116      | <10       | 211      | <0.01     | 0.001      |
| D006562            |                                   | <20       | 0.36      | <10       | <10       | 126      | <10       | 230      | <0.01     | 0.002      |
| D006563            |                                   | <20       | 0.21      | <10       | <10       | 85       | <10       | 152      | <0.01     | 0.001      |
| D006564            |                                   | <20       | 0.25      | <10       | <10       | 88       | <10       | 144      | <0.01     | 0.001      |
| D006565            |                                   | <20       | 0.11      | <10       | <10       | 39       | <10       | 45       | <0.01     | <0.001     |
| D006566            |                                   | <20       | 0.20      | <10       | <10       | 75       | <10       | 255      | 0.01      | 0.004      |
| D006567            |                                   | <20       | 0.26      | <10       | <10       | 92       | <10       | 237      | 0.01      | 0.004      |
| D006568            |                                   | <20       | 0.20      | <10       | <10       | 89       | <10       | 174      | 0.01      | 0.005      |
| D006569            |                                   | <20       | 0.31      | <10       | <10       | 113      | <10       | 163      | <0.01     | 0.001      |
| D006570            |                                   | <20       | 0.28      | <10       | <10       | 101      | <10       | 145      | <0.01     | 0.001      |
| D006571            |                                   | <20       | 0.28      | <10       | <10       | 102      | <10       | 144      | <0.01     | 0.001      |
| D006572            |                                   | <20       | 0.24      | <10       | <10       | 93       | <10       | 132      | <0.01     | 0.001      |
| D006573            |                                   | <20       | 0.22      | <10       | <10       | 89       | <10       | 160      | <0.01     | 0.001      |
| D006574            |                                   | <20       | 0.02      | <10       | <10       | 10       | <10       | 15       | <0.01     | <0.001     |
| D006575            |                                   | <20       | 0.16      | <10       | <10       | 70       | <10       | 200      | <0.01     | 0.001      |
| D006576            |                                   | <20       | 0.19      | <10       | <10       | 87       | <10       | 168      | <0.01     | 0.001      |
| D006577            |                                   | <20       | 0.04      | <10       | <10       | 42       | 10        | 169      | 0.33      | 0.074      |
| D006578            |                                   | <20       | 0.21      | <10       | <10       | 81       | <10       | 242      | <0.01     | 0.001      |
| D006579            |                                   | <20       | 0.23      | <10       | <10       | 84       | <10       | 357      | 0.01      | 0.005      |
| D006580            |                                   | <20       | 0.23      | <10       | <10       | 86       | <10       | 191      | 0.01      | 0.006      |
| D006581            |                                   | <20       | 0.23      | <10       | <10       | 88       | <10       | 198      | 0.01      | 0.006      |
| D006582            |                                   | <20       | 0.17      | <10       | <10       | 88       | <10       | 270      | 0.01      | 0.006      |
| D006583            |                                   | <20       | 0.19      | <10       | <10       | 74       | <10       | 167      | <0.01     | 0.005      |
| D006584            |                                   | <20       | 0.16      | <10       | <10       | 72       | <10       | 145      | <0.01     | 0.003      |
| D006585            |                                   | <20       | 0.15      | <10       | <10       | 71       | <10       | 134      | <0.01     | 0.001      |
| D006586            |                                   | <20       | 0.18      | <10       | <10       | 82       | <10       | 169      | <0.01     | 0.003      |
| D006587            |                                   | <20       | 0.11      | <10       | <10       | 37       | <10       | 46       | <0.01     | 0.001      |
| D006588            |                                   | <20       | 0.13      | <10       | <10       | 62       | <10       | 77       | <0.01     | 0.001      |
| D006589            |                                   | <20       | 0.14      | <10       | <10       | 58       | <10       | 75       | <0.01     | <0.001     |
| D006590            |                                   | <20       | 0.14      | <10       | <10       | 65       | <10       | 95       | <0.01     | 0.001      |
| D006591            |                                   | <20       | 0.14      | <10       | <10       | 67       | <10       | 92       | <0.01     | <0.001     |
| D006592            |                                   | <20       | 0.15      | <10       | <10       | 78       | <10       | 96       | <0.01     | <0.001     |
| D006593            |                                   | <20       | 0.15      | <10       | <10       | 75       | <10       | 93       | <0.01     | 0.001      |
| D006594            |                                   | <20       | 0.13      | <10       | <10       | 76       | <10       | 68       | <0.01     | 0.001      |
| D006595            |                                   | <20       | 0.03      | <10       | <10       | 57       | <10       | 73       | <0.01     | 0.001      |
| D006596            |                                   | <20       | 0.14      | <10       | <10       | 57       | <10       | 89       | <0.01     | 0.001      |



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Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089170

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg | Au-AA23<br>Au<br>ppm | ME-ICP41<br>Ag<br>ppm | ME-ICP41<br>Al<br>% | ME-ICP41<br>As<br>ppm | ME-ICP41<br>B<br>ppm | ME-ICP41<br>Ba<br>ppm | ME-ICP41<br>Be<br>ppm | ME-ICP41<br>Bi<br>ppm | ME-ICP41<br>Ca<br>% | ME-ICP41<br>Cd<br>ppm | ME-ICP41<br>Co<br>ppm | ME-ICP41<br>Cr<br>ppm | ME-ICP41<br>Cu<br>ppm | ME-ICP41<br>Fe<br>% |
|--------------------|-----------------------------------|---------------------------|----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
|                    |                                   | 0.02                      | 0.005                | 0.2                   | 0.01                | 2                     | 10                   | 10                    | 0.5                   | 2                     | 0.01                | 0.5                   | 1                     | 1                     | 1                     | 0.01                |
| D006597            |                                   | 2.39                      | <0.005               | <0.2                  | 1.41                | <2                    | <10                  | 290                   | <0.5                  | <2                    | 0.76                | <0.5                  | 7                     | 5                     | 1                     | 2.39                |
| D006598            |                                   | 1.69                      | <0.005               | <0.2                  | 2.73                | <2                    | <10                  | 1010                  | <0.5                  | <2                    | 0.74                | <0.5                  | 15                    | 9                     | 157                   | 4.94                |
| D006599            |                                   | 0.14                      | 0.678                | 2.3                   | 0.70                | 28                    | <10                  | 90                    | <0.5                  | 3                     | 1.95                | 0.6                   | 9                     | 31                    | 7050                  | 6.86                |
| D006600            |                                   | 2.50                      | 0.017                | <0.2                  | 2.62                | <2                    | <10                  | 820                   | <0.5                  | <2                    | 0.72                | <0.5                  | 18                    | 5                     | 435                   | 5.08                |
| D006601            |                                   | 2.24                      | <0.005               | <0.2                  | 1.45                | <2                    | <10                  | 470                   | <0.5                  | <2                    | 0.58                | <0.5                  | 7                     | 5                     | 4                     | 2.42                |
| D006602            |                                   | 4.92                      | <0.005               | <0.2                  | 1.38                | 2                     | <10                  | 330                   | <0.5                  | <2                    | 0.77                | <0.5                  | 6                     | 4                     | 2                     | 2.27                |
| D006603            |                                   | 4.91                      | <0.005               | <0.2                  | 1.41                | <2                    | <10                  | 330                   | <0.5                  | 2                     | 0.69                | <0.5                  | 6                     | 4                     | 3                     | 2.25                |
| D006604            |                                   | 2.40                      | <0.005               | <0.2                  | 1.52                | 2                     | <10                  | 380                   | <0.5                  | 2                     | 0.83                | <0.5                  | 6                     | 4                     | 2                     | 2.43                |
| D006605            |                                   | 3.88                      | 0.009                | <0.2                  | 1.70                | 3                     | <10                  | 270                   | <0.5                  | <2                    | 1.01                | <0.5                  | 9                     | 4                     | 2                     | 2.72                |
| D006606            |                                   | <0.02                     | 0.012                | <0.2                  | 1.68                | <2                    | <10                  | 260                   | <0.5                  | <2                    | 1.02                | <0.5                  | 7                     | 5                     | 2                     | 2.78                |
| D006607            |                                   | 4.00                      | 0.009                | <0.2                  | 1.69                | 3                     | <10                  | 260                   | <0.5                  | <2                    | 1.10                | <0.5                  | 8                     | 4                     | 2                     | 2.89                |
| D006608            |                                   | 2.71                      | <0.005               | <0.2                  | 1.82                | <2                    | <10                  | 380                   | <0.5                  | <2                    | 1.29                | <0.5                  | 7                     | 4                     | 2                     | 3.26                |
| D006609            |                                   | 3.33                      | <0.005               | <0.2                  | 0.90                | <2                    | <10                  | 150                   | <0.5                  | <2                    | 0.40                | <0.5                  | 2                     | 7                     | 1                     | 1.73                |
| D006610            |                                   | 2.80                      | 0.008                | <0.2                  | 1.51                | <2                    | <10                  | 210                   | <0.5                  | <2                    | 1.37                | <0.5                  | 6                     | 4                     | 3                     | 2.72                |
| D006611            |                                   | 2.80                      | 0.005                | <0.2                  | 1.43                | <2                    | <10                  | 190                   | <0.5                  | <2                    | 1.13                | <0.5                  | 6                     | 4                     | 1                     | 2.60                |
| D006612            |                                   | 5.31                      | 0.010                | <0.2                  | 1.44                | 2                     | <10                  | 110                   | <0.5                  | <2                    | 1.39                | <0.5                  | 8                     | 5                     | 53                    | 2.64                |
| D006613            |                                   | 4.19                      | <0.005               | <0.2                  | 2.73                | <2                    | <10                  | 290                   | 1.7                   | <2                    | 3.78                | <0.5                  | 28                    | 111                   | 68                    | 4.24                |
| D006614            |                                   | 2.32                      | <0.005               | <0.2                  | 1.65                | 3                     | <10                  | 40                    | 0.7                   | <2                    | 2.69                | <0.5                  | 12                    | 28                    | 23                    | 2.70                |
| D006615            |                                   | 2.54                      | <0.005               | <0.2                  | 1.44                | <2                    | <10                  | 120                   | <0.5                  | <2                    | 1.25                | <0.5                  | 7                     | 3                     | 5                     | 2.60                |
| D006616            |                                   | 4.76                      | 0.005                | <0.2                  | 1.53                | <2                    | <10                  | 200                   | <0.5                  | <2                    | 1.16                | <0.5                  | 9                     | 4                     | 70                    | 2.75                |
| D006617            |                                   | 3.06                      | 0.008                | 0.6                   | 1.59                | <2                    | <10                  | 240                   | <0.5                  | <2                    | 0.61                | <0.5                  | 9                     | 5                     | 235                   | 3.32                |
| D006618            |                                   | <0.02                     | 0.008                | 0.6                   | 1.52                | <2                    | <10                  | 200                   | <0.5                  | <2                    | 0.60                | <0.5                  | 9                     | 4                     | 231                   | 3.22                |
| D006619            |                                   | 3.96                      | 0.005                | 0.2                   | 1.68                | <2                    | <10                  | 300                   | <0.5                  | <2                    | 0.77                | <0.5                  | 9                     | 4                     | 78                    | 3.01                |
| D006620            |                                   | 0.14                      | 1.060                | 3.8                   | 1.17                | 70                    | <10                  | 110                   | <0.5                  | 7                     | 0.70                | 2.1                   | 13                    | 56                    | 3280                  | 3.78                |
| D006621            |                                   | 3.84                      | 0.007                | 0.3                   | 1.64                | <2                    | <10                  | 220                   | <0.5                  | <2                    | 0.81                | <0.5                  | 7                     | 4                     | 132                   | 2.94                |
| D006622            |                                   | 3.93                      | <0.005               | 0.3                   | 1.74                | 5                     | <10                  | 290                   | <0.5                  | <2                    | 0.73                | <0.5                  | 8                     | 5                     | 79                    | 3.09                |
| D006623            |                                   | 3.53                      | 0.005                | 0.8                   | 1.72                | 2                     | <10                  | 270                   | <0.5                  | <2                    | 0.51                | <0.5                  | 8                     | 5                     | 187                   | 3.34                |
| D006624            |                                   | 3.39                      | 0.187                | 6.0                   | 2.55                | 2                     | <10                  | 160                   | <0.5                  | <2                    | 0.62                | <0.5                  | 18                    | 6                     | 3060                  | 4.59                |
| D006625            |                                   | <0.02                     | 0.180                | 5.9                   | 2.36                | <2                    | <10                  | 240                   | <0.5                  | <2                    | 0.57                | <0.5                  | 14                    | 5                     | 2930                  | 4.24                |
| D006626            |                                   | 2.61                      | <0.005               | 0.2                   | 1.80                | 3                     | <10                  | 460                   | <0.5                  | <2                    | 0.88                | <0.5                  | 8                     | 4                     | 140                   | 3.04                |
| D006627            |                                   | 3.14                      | 0.010                | <0.2                  | 1.89                | 4                     | <10                  | 390                   | <0.5                  | 2                     | 0.69                | <0.5                  | 8                     | 4                     | 10                    | 3.13                |
| D006628            |                                   | 3.28                      | 0.007                | 0.2                   | 1.80                | <2                    | <10                  | 380                   | <0.5                  | <2                    | 0.67                | <0.5                  | 8                     | 4                     | 91                    | 3.05                |
| D006629            |                                   | 2.82                      | <0.005               | <0.2                  | 0.86                | <2                    | <10                  | 170                   | <0.5                  | <2                    | 0.39                | <0.5                  | 4                     | 6                     | 2                     | 1.73                |
| D006630            |                                   | 3.52                      | 0.005                | 0.3                   | 1.98                | <2                    | <10                  | 290                   | <0.5                  | <2                    | 0.96                | <0.5                  | 11                    | 4                     | 198                   | 3.42                |
| D006631            |                                   | 3.74                      | <0.005               | 0.3                   | 1.92                | <2                    | <10                  | 290                   | <0.5                  | <2                    | 1.09                | <0.5                  | 8                     | 4                     | 71                    | 3.09                |
| D006632            |                                   | 3.48                      | 0.005                | 0.2                   | 2.04                | <2                    | <10                  | 420                   | <0.5                  | <2                    | 0.83                | <0.5                  | 9                     | 4                     | 113                   | 3.46                |
| D006633            |                                   | <0.02                     | <0.005               | <0.2                  | 2.03                | <2                    | <10                  | 410                   | <0.5                  | <2                    | 0.81                | <0.5                  | 8                     | 4                     | 112                   | 3.40                |
| D006634            |                                   | 3.23                      | <0.005               | 0.2                   | 1.83                | 3                     | <10                  | 300                   | <0.5                  | <2                    | 0.67                | <0.5                  | 5                     | 5                     | 91                    | 2.42                |
| D006635            |                                   | 2.88                      | <0.005               | <0.2                  | 1.74                | 2                     | <10                  | 380                   | <0.5                  | <2                    | 0.65                | <0.5                  | 7                     | 4                     | 261                   | 2.81                |
| D006636            |                                   | 2.99                      | <0.005               | <0.2                  | 2.04                | <2                    | <10                  | 540                   | <0.5                  | <2                    | 0.67                | <0.5                  | 7                     | 5                     | 169                   | 3.50                |



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## CERTIFICATE OF ANALYSIS TR07089170

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41 |
|--------------------|-----------------------------------|-----------|----------|-----------|-----------|-----------|----------|----------|-----------|----------|-----------|----------|-----------|----------|----------|
|                    |                                   | Ga        | Hg       | K         | La        | Mg        | Mn       | Mo       | Na        | Ni       | P         | Pb       | S         | Sb       | Sc       |
|                    |                                   | ppm<br>10 | ppm<br>1 | %<br>0.01 | ppm<br>10 | %<br>0.01 | ppm<br>5 | ppm<br>1 | %<br>0.01 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | ppm<br>2 | ppm<br>1 |
| D006597            |                                   | 10        | <1       | 0.53      | 10        | 0.85      | 740      | <1       | 0.14      | 1        | 820       | 4        | 0.01      | 2        | 4        |
| D006598            |                                   | 10        | <1       | 1.89      | 20        | 1.74      | 1415     | <1       | 0.11      | 3        | 1760      | 3        | 0.12      | <2       | 4        |
| D006599            |                                   | <10       | 2        | 0.29      | <10       | 0.92      | 914      | 7        | 0.04      | 15       | 630       | 24       | 2.78      | 27       | 3        |
| D006600            |                                   | 10        | <1       | 1.89      | 20        | 1.69      | 1430     | 1        | 0.10      | <1       | 1520      | 4        | 0.43      | <2       | 4        |
| D006601            |                                   | 10        | <1       | 0.88      | 10        | 0.81      | 753      | <1       | 0.13      | 4        | 770       | 13       | <0.01     | 2        | 3        |
| D006602            |                                   | 10        | <1       | 0.70      | 10        | 0.79      | 781      | <1       | 0.15      | 2        | 830       | 6        | 0.02      | 2        | 5        |
| D006603            |                                   | 10        | <1       | 0.76      | 10        | 0.80      | 789      | <1       | 0.15      | 1        | 800       | 4        | 0.02      | 3        | 4        |
| D006604            |                                   | 10        | <1       | 0.87      | 10        | 0.85      | 879      | <1       | 0.13      | 2        | 840       | 8        | 0.03      | <2       | 4        |
| D006605            |                                   | 10        | <1       | 0.89      | 20        | 0.95      | 1010     | <1       | 0.15      | 3        | 1290      | 8        | 0.01      | 3        | 4        |
| D006606            |                                   | 10        | 1        | 0.91      | 20        | 0.98      | 1045     | <1       | 0.14      | 3        | 1370      | 8        | 0.01      | 4        | 4        |
| D006607            |                                   | 10        | <1       | 0.87      | 20        | 1.00      | 1165     | <1       | 0.18      | 2        | 1490      | 8        | 0.01      | <2       | 5        |
| D006608            |                                   | 10        | <1       | 0.98      | 20        | 1.12      | 1300     | <1       | 0.18      | 3        | 1910      | 6        | 0.01      | 3        | 8        |
| D006609            |                                   | <10       | <1       | 0.42      | 10        | 0.53      | 374      | <1       | 0.14      | 2        | 520       | 4        | <0.01     | <2       | 3        |
| D006610            |                                   | 10        | <1       | 0.65      | 20        | 0.88      | 1170     | <1       | 0.20      | 2        | 1570      | 7        | <0.01     | 2        | 6        |
| D006611            |                                   | 10        | <1       | 0.71      | 20        | 0.84      | 1010     | <1       | 0.17      | 2        | 1390      | 7        | <0.01     | <2       | 5        |
| D006612            |                                   | 10        | <1       | 0.47      | 20        | 0.91      | 1055     | <1       | 0.14      | 4        | 1300      | 14       | 0.10      | 3        | 5        |
| D006613            |                                   | 10        | <1       | 0.09      | 20        | 3.58      | 1165     | <1       | 0.04      | 161      | 2190      | 20       | 0.12      | 4        | 10       |
| D006614            |                                   | 10        | 1        | 0.16      | 20        | 1.56      | 989      | <1       | 0.08      | 42       | 1360      | 12       | 0.06      | 2        | 7        |
| D006615            |                                   | 10        | <1       | 0.63      | 20        | 0.83      | 965      | <1       | 0.15      | 1        | 1270      | 8        | 0.02      | 3        | 5        |
| D006616            |                                   | 10        | <1       | 0.92      | 20        | 0.89      | 1055     | 1        | 0.11      | 2        | 1200      | 8        | 0.18      | 2        | 4        |
| D006617            |                                   | 10        | <1       | 1.03      | 20        | 1.09      | 1130     | 7        | 0.11      | 3        | 1240      | 11       | 1.06      | 5        | 5        |
| D006618            |                                   | 10        | <1       | 0.99      | 20        | 1.06      | 1080     | 6        | 0.10      | 2        | 1220      | 10       | 1.02      | 3        | 5        |
| D006619            |                                   | 10        | <1       | 1.08      | 20        | 0.98      | 1125     | <1       | 0.13      | 3        | 1240      | 9        | 0.26      | 3        | 4        |
| D006620            |                                   | <10       | 1        | 0.46      | 20        | 0.54      | 280      | 198      | 0.03      | 13       | 550       | 120      | 1.62      | 28       | 4        |
| D006621            |                                   | 10        | <1       | 1.01      | 20        | 0.95      | 1105     | <1       | 0.15      | 3        | 1260      | 11       | 0.29      | 2        | 4        |
| D006622            |                                   | 10        | <1       | 1.15      | 20        | 1.00      | 1215     | <1       | 0.15      | 2        | 1300      | 12       | 0.33      | 2        | 4        |
| D006623            |                                   | 10        | <1       | 1.24      | 10        | 1.12      | 1075     | 7        | 0.14      | 1        | 1120      | 11       | 1.01      | <2       | 5        |
| D006624            |                                   | 10        | <1       | 1.86      | 30        | 1.77      | 2140     | 2        | 0.13      | 5        | 1800      | 7        | 1.07      | 3        | 6        |
| D006625            |                                   | 10        | <1       | 1.68      | 30        | 1.64      | 2060     | 2        | 0.13      | 3        | 1580      | 6        | 0.95      | 5        | 6        |
| D006626            |                                   | 10        | 1        | 1.22      | 20        | 1.00      | 1180     | <1       | 0.12      | 2        | 1190      | 6        | 0.14      | <2       | 4        |
| D006627            |                                   | 10        | 1        | 1.31      | 20        | 1.04      | 1200     | <1       | 0.13      | 2        | 1300      | 8        | 0.01      | 5        | 4        |
| D006628            |                                   | 10        | <1       | 1.20      | 20        | 1.00      | 1195     | <1       | 0.14      | 1        | 1270      | 10       | 0.12      | 4        | 4        |
| D006629            |                                   | <10       | <1       | 0.42      | 10        | 0.51      | 377      | <1       | 0.13      | 1        | 480       | 6        | <0.01     | <2       | 3        |
| D006630            |                                   | 10        | <1       | 1.11      | 20        | 1.16      | 1470     | <1       | 0.18      | 2        | 1340      | 10       | 0.46      | 3        | 4        |
| D006631            |                                   | 10        | <1       | 0.95      | 20        | 1.00      | 1295     | <1       | 0.21      | 2        | 1340      | 10       | 0.27      | <2       | 3        |
| D006632            |                                   | 10        | <1       | 1.28      | 20        | 1.19      | 1610     | <1       | 0.15      | 3        | 1410      | 7        | 0.43      | 4        | 3        |
| D006633            |                                   | 10        | <1       | 1.28      | 20        | 1.18      | 1580     | <1       | 0.15      | 2        | 1400      | 8        | 0.42      | 2        | 3        |
| D006634            |                                   | 10        | 1        | 1.22      | 20        | 1.25      | 1090     | <1       | 0.15      | 1        | 1420      | 7        | 0.18      | 2        | 3        |
| D006635            |                                   | 10        | 1        | 1.11      | 20        | 1.09      | 1025     | <1       | 0.14      | 1        | 1300      | 5        | 0.22      | <2       | 4        |
| D006636            |                                   | 10        | 1        | 1.36      | 10        | 1.20      | 1025     | <1       | 0.17      | 1        | 1340      | 4        | 0.26      | 3        | 5        |



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860 - 625 HOWE ST.

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Total # Pages: 5 (A - C)

Finalized Date: 6-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089170

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | Cu-AA62   | Cu-AA05    |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|------------|
|                    |                                   | Th        | Ti        | Ti        | U         | V        | W         | Zn       | Cu        | Cu         |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| D006597            |                                   | <20       | 0.16      | <10       | <10       | 56       | <10       | 106      | <0.01     | 0.001      |
| D006598            |                                   | <20       | 0.38      | <10       | <10       | 133      | <10       | 268      | 0.01      | 0.004      |
| D006599            |                                   | <20       | 0.04      | <10       | <10       | 42       | <10       | 103      | 0.70      | 0.023      |
| D006600            |                                   | <20       | 0.36      | <10       | <10       | 126      | <10       | 268      | 0.04      | 0.010      |
| D006601            |                                   | <20       | 0.20      | <10       | <10       | 61       | <10       | 109      | <0.01     | 0.001      |
| D006602            |                                   | <20       | 0.17      | <10       | <10       | 57       | <10       | 97       | <0.01     | <0.001     |
| D006603            |                                   | <20       | 0.17      | <10       | <10       | 58       | <10       | 102      | <0.01     | <0.001     |
| D006604            |                                   | <20       | 0.18      | <10       | <10       | 62       | <10       | 111      | <0.01     | <0.001     |
| D006605            |                                   | <20       | 0.19      | <10       | <10       | 71       | <10       | 102      | <0.01     | 0.001      |
| D006606            |                                   | <20       | 0.19      | <10       | <10       | 72       | <10       | 106      | <0.01     | 0.001      |
| D006607            |                                   | <20       | 0.21      | <10       | <10       | 80       | <10       | 112      | <0.01     | 0.001      |
| D006608            |                                   | <20       | 0.24      | <10       | <10       | 94       | <10       | 136      | <0.01     | <0.001     |
| D006609            |                                   | <20       | 0.11      | <10       | <10       | 37       | <10       | 42       | <0.01     | 0.001      |
| D006610            |                                   | <20       | 0.17      | <10       | <10       | 78       | <10       | 103      | <0.01     | 0.001      |
| D006611            |                                   | <20       | 0.18      | <10       | <10       | 73       | <10       | 90       | <0.01     | 0.001      |
| D006612            |                                   | <20       | 0.17      | <10       | <10       | 69       | <10       | 100      | <0.01     | 0.001      |
| D006613            |                                   | 20        | 0.21      | <10       | <10       | 104      | <10       | 71       | <0.01     | 0.002      |
| D006614            |                                   | <20       | 0.15      | <10       | <10       | 70       | <10       | 76       | <0.01     | 0.001      |
| D006615            |                                   | <20       | 0.17      | <10       | <10       | 70       | <10       | 77       | <0.01     | <0.001     |
| D006616            |                                   | <20       | 0.18      | <10       | <10       | 72       | <10       | 100      | <0.01     | 0.001      |
| D006617            |                                   | <20       | 0.19      | <10       | <10       | 83       | <10       | 217      | 0.02      | 0.005      |
| D006618            |                                   | <20       | 0.18      | <10       | <10       | 80       | <10       | 211      | 0.02      | 0.005      |
| D006619            |                                   | <20       | 0.21      | <10       | <10       | 79       | <10       | 138      | <0.01     | 0.001      |
| D006620            |                                   | <20       | 0.03      | <10       | <10       | 39       | <10       | 161      | 0.33      | 0.076      |
| D006621            |                                   | <20       | 0.21      | <10       | <10       | 76       | <10       | 173      | 0.01      | 0.002      |
| D006622            |                                   | <20       | 0.23      | <10       | <10       | 83       | <10       | 180      | <0.01     | 0.002      |
| D006623            |                                   | <20       | 0.24      | <10       | <10       | 87       | <10       | 141      | 0.01      | 0.003      |
| D006624            |                                   | <20       | 0.33      | <10       | <10       | 124      | <10       | 281      | 0.29      | 0.041      |
| D006625            |                                   | <20       | 0.31      | <10       | <10       | 114      | <10       | 264      | 0.29      | 0.049      |
| D006626            |                                   | <20       | 0.23      | <10       | <10       | 83       | <10       | 175      | 0.01      | 0.003      |
| D006627            |                                   | <20       | 0.25      | <10       | <10       | 87       | <10       | 223      | <0.01     | 0.001      |
| D006628            |                                   | <20       | 0.23      | <10       | <10       | 85       | <10       | 237      | <0.01     | 0.002      |
| D006629            |                                   | <20       | 0.11      | <10       | <10       | 37       | <10       | 41       | <0.01     | 0.001      |
| D006630            |                                   | <20       | 0.24      | <10       | <10       | 86       | <10       | 226      | 0.01      | 0.003      |
| D006631            |                                   | <20       | 0.22      | <10       | <10       | 77       | <10       | 150      | <0.01     | 0.001      |
| D006632            |                                   | <20       | 0.26      | <10       | <10       | 88       | <10       | 190      | <0.01     | 0.002      |
| D006633            |                                   | <20       | 0.26      | <10       | <10       | 86       | <10       | 187      | <0.01     | 0.001      |
| D006634            |                                   | <20       | 0.24      | <10       | <10       | 66       | <10       | 164      | <0.01     | 0.001      |
| D006635            |                                   | <20       | 0.24      | <10       | <10       | 74       | <10       | 130      | 0.02      | 0.003      |
| D006636            |                                   | <20       | 0.27      | <10       | <10       | 97       | <10       | 133      | 0.01      | 0.002      |



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Finalized Date: 6-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089170

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg | Au-AA23<br>Au<br>ppm | ME-ICP41<br>Ag<br>ppm | ME-ICP41<br>Al<br>% | ME-ICP41<br>As<br>ppm | ME-ICP41<br>B<br>ppm | ME-ICP41<br>Ba<br>ppm | ME-ICP41<br>Be<br>ppm | ME-ICP41<br>Bi<br>ppm | ME-ICP41<br>Ca<br>% | ME-ICP41<br>Cd<br>ppm | ME-ICP41<br>Co<br>ppm | ME-ICP41<br>Cr<br>ppm | ME-ICP41<br>Cu<br>ppm | ME-ICP41<br>Fe<br>% |
|--------------------|-----------------------------------|---------------------------|----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
|                    |                                   | 0.02                      | 0.005                | 0.2                   | 0.01                | 2                     | 10                   | 10                    | 0.5                   | 2                     | 0.01                | 0.5                   | 1                     | 1                     | 1                     | 0.01                |
| D006637            |                                   | 2.78                      | <0.005               | <0.2                  | 1.92                | <2                    | <10                  | 400                   | <0.5                  | <2                    | 0.66                | <0.5                  | 11                    | 5                     | 162                   | 3.44                |
| D006638            |                                   | 0.14                      | 0.801                | 2.4                   | 0.70                | 34                    | <10                  | 90                    | <0.5                  | <2                    | 1.90                | <0.5                  | 8                     | 28                    | 7250                  | 6.79                |
| D006639            |                                   | 3.07                      | <0.005               | <0.2                  | 1.65                | <2                    | <10                  | 240                   | <0.5                  | <2                    | 1.06                | <0.5                  | 7                     | 4                     | 11                    | 2.80                |
| D006640            |                                   | 3.09                      | <0.005               | <0.2                  | 1.58                | 2                     | <10                  | 210                   | <0.5                  | <2                    | 1.01                | <0.5                  | 9                     | 4                     | 91                    | 2.96                |
| D006641            |                                   | <0.02                     | <0.005               | <0.2                  | 1.65                | <2                    | <10                  | 220                   | <0.5                  | <2                    | 1.03                | <0.5                  | 9                     | 4                     | 100                   | 3.04                |
| D006642            |                                   | 2.40                      | <0.005               | <0.2                  | 1.04                | <2                    | <10                  | 130                   | <0.5                  | <2                    | 1.57                | <0.5                  | 3                     | 2                     | 112                   | 1.96                |
| D006643            |                                   | 3.85                      | <0.005               | <0.2                  | 1.70                | 2                     | <10                  | 230                   | <0.5                  | <2                    | 1.15                | <0.5                  | 7                     | 4                     | 44                    | 3.02                |
| D006644            |                                   | 3.70                      | <0.005               | <0.2                  | 1.87                | <2                    | <10                  | 300                   | <0.5                  | <2                    | 1.37                | <0.5                  | 10                    | 5                     | 71                    | 3.32                |
| D006645            |                                   | 3.98                      | <0.005               | <0.2                  | 1.74                | <2                    | <10                  | 260                   | <0.5                  | <2                    | 1.49                | <0.5                  | 8                     | 6                     | 2                     | 3.01                |
| D006646            |                                   | 3.97                      | <0.005               | <0.2                  | 1.61                | <2                    | <10                  | 370                   | <0.5                  | <2                    | 1.12                | <0.5                  | 6                     | 3                     | 13                    | 2.84                |
| D006647            |                                   | 3.08                      | <0.005               | <0.2                  | 0.88                | <2                    | <10                  | 180                   | <0.5                  | <2                    | 0.38                | <0.5                  | 2                     | 6                     | 2                     | 1.70                |
| D006648            |                                   | 2.65                      | <0.005               | <0.2                  | 2.00                | 3                     | <10                  | 340                   | <0.5                  | <2                    | 1.49                | <0.5                  | 9                     | 6                     | 2                     | 3.39                |
| D006649            |                                   | 3.95                      | <0.005               | <0.2                  | 2.17                | <2                    | <10                  | 510                   | <0.5                  | <2                    | 0.95                | <0.5                  | 10                    | 7                     | 172                   | 3.82                |
| D006650            |                                   | 3.97                      | <0.005               | <0.2                  | 1.76                | <2                    | <10                  | 390                   | <0.5                  | <2                    | 0.93                | <0.5                  | 8                     | 4                     | 121                   | 3.03                |
| D006651            |                                   | 3.74                      | <0.005               | <0.2                  | 1.70                | <2                    | <10                  | 320                   | <0.5                  | <2                    | 1.02                | <0.5                  | 8                     | 5                     | 56                    | 2.88                |
| D006652            |                                   | <0.02                     | <0.005               | <0.2                  | 1.71                | <2                    | <10                  | 320                   | <0.5                  | <2                    | 1.03                | <0.5                  | 8                     | 4                     | 55                    | 2.90                |
| D006653            |                                   | 3.87                      | <0.005               | <0.2                  | 1.65                | <2                    | <10                  | 280                   | <0.5                  | <2                    | 1.00                | <0.5                  | 7                     | 4                     | 53                    | 2.90                |
| D006654            |                                   | 3.68                      | <0.005               | 0.2                   | 1.87                | <2                    | <10                  | 260                   | <0.5                  | 2                     | 0.64                | <0.5                  | 9                     | 5                     | 163                   | 3.56                |
| D006655            |                                   | 4.02                      | <0.005               | <0.2                  | 1.54                | <2                    | <10                  | 180                   | <0.5                  | <2                    | 1.18                | <0.5                  | 7                     | 5                     | 2                     | 2.75                |
| D006656            |                                   | 0.13                      | 0.366                | 1.0                   | 0.82                | 10                    | <10                  | 130                   | <0.5                  | <2                    | 2.31                | <0.5                  | 8                     | 17                    | 5080                  | 5.80                |
| D006657            |                                   | 3.05                      | 0.008                | <0.2                  | 1.65                | 2                     | <10                  | 210                   | <0.5                  | <2                    | 1.00                | <0.5                  | 7                     | 5                     | 50                    | 2.89                |
| D006658            |                                   | 3.17                      | 0.025                | 0.3                   | 1.68                | <2                    | <10                  | 210                   | <0.5                  | <2                    | 0.66                | <0.5                  | 9                     | 6                     | 213                   | 3.45                |
| D006659            |                                   | 3.48                      | 0.012                | 0.2                   | 2.46                | 4                     | <10                  | 400                   | <0.5                  | <2                    | 0.74                | <0.5                  | 13                    | 5                     | 656                   | 4.65                |
| D006660            |                                   | <0.02                     | 0.012                | 0.2                   | 2.52                | <2                    | <10                  | 310                   | <0.5                  | <2                    | 0.77                | <0.5                  | 13                    | 6                     | 645                   | 4.86                |
| D006661            |                                   | 0.98                      | <0.005               | <0.2                  | 1.66                | <2                    | <10                  | 520                   | <0.5                  | <2                    | 0.73                | <0.5                  | 6                     | 4                     | 4                     | 2.63                |
| D006662            |                                   | 1.70                      | <0.005               | <0.2                  | 0.57                | <2                    | <10                  | 230                   | <0.5                  | <2                    | 0.31                | <0.5                  | <1                    | 6                     | 12                    | 0.71                |
| D006663            |                                   | 3.93                      | <0.005               | <0.2                  | 1.88                | <2                    | <10                  | 400                   | <0.5                  | <2                    | 1.16                | <0.5                  | 6                     | 3                     | 6                     | 2.93                |
| D013001            |                                   | 3.77                      | <0.005               | <0.2                  | 2.16                | 5                     | <10                  | 80                    | 1.0                   | <2                    | 2.20                | <0.5                  | 6                     | 2                     | 9                     | 2.56                |
| D013002            |                                   | 4.74                      | <0.005               | <0.2                  | 1.57                | <2                    | <10                  | 90                    | 0.6                   | <2                    | 1.66                | <0.5                  | 7                     | 1                     | 7                     | 2.40                |
| D013003            |                                   | 2.32                      | <0.005               | <0.2                  | 1.44                | <2                    | <10                  | 100                   | <0.5                  | <2                    | 1.29                | <0.5                  | 4                     | 3                     | 2                     | 2.32                |
| D013004            |                                   | 5.05                      | <0.005               | <0.2                  | 1.69                | 3                     | <10                  | 140                   | 0.5                   | <2                    | 1.62                | <0.5                  | 5                     | 3                     | 3                     | 2.50                |
| D013005            |                                   | 5.01                      | <0.005               | <0.2                  | 1.45                | <2                    | <10                  | 190                   | <0.5                  | <2                    | 1.43                | <0.5                  | 5                     | 3                     | 4                     | 2.37                |
| D013006            |                                   | 2.16                      | <0.005               | <0.2                  | 1.48                | <2                    | <10                  | 310                   | <0.5                  | <2                    | 1.03                | <0.5                  | 6                     | 3                     | 5                     | 2.57                |
| D013007            |                                   | 4.69                      | <0.005               | <0.2                  | 1.98                | 4                     | <10                  | 280                   | <0.5                  | <2                    | 0.89                | <0.5                  | 8                     | 4                     | 18                    | 3.42                |
| D013008            |                                   | <0.02                     | <0.005               | <0.2                  | 1.98                | <2                    | <10                  | 280                   | <0.5                  | <2                    | 0.88                | <0.5                  | 8                     | 4                     | 18                    | 3.40                |
| D013009            |                                   | 4.85                      | <0.005               | <0.2                  | 1.70                | 6                     | <10                  | 300                   | <0.5                  | <2                    | 1.10                | <0.5                  | 6                     | 4                     | 4                     | 2.97                |
| D013010            |                                   | 0.14                      | 1.030                | 3.6                   | 0.47                | 12                    | <10                  | 110                   | <0.5                  | <2                    | 2.26                | <0.5                  | 19                    | 771                   | 9900                  | 7.56                |
| D013011            |                                   | 2.95                      | <0.005               | <0.2                  | 1.49                | 4                     | <10                  | 330                   | <0.5                  | <2                    | 1.10                | <0.5                  | 6                     | 7                     | 20                    | 2.54                |
| D013012            |                                   | 4.01                      | <0.005               | <0.2                  | 1.39                | 4                     | <10                  | 220                   | <0.5                  | <2                    | 1.27                | <0.5                  | 5                     | 6                     | 11                    | 2.47                |
| D013013            |                                   | 2.13                      | <0.005               | <0.2                  | 2.01                | 4                     | <10                  | 220                   | <0.5                  | <2                    | 1.40                | <0.5                  | 9                     | 5                     | 14                    | 4.08                |



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Finalized Date: 6-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089170

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41 |
|--------------------|-----------------------------------|-----------|----------|-----------|-----------|-----------|----------|----------|-----------|----------|-----------|----------|-----------|----------|----------|
|                    |                                   | Ga        | Hg       | K         | La        | Mg        | Mn       | Mo       | Na        | Ni       | P         | Pb       | S         | Sb       | Sc       |
|                    |                                   | ppm<br>10 | ppm<br>1 | %<br>0.01 | ppm<br>10 | %<br>0.01 | ppm<br>5 | ppm<br>1 | %<br>0.01 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | ppm<br>2 | ppm<br>1 |
| D006637            |                                   | 10        | 1        | 1.34      | 10        | 1.16      | 1060     | <1       | 0.11      | 4        | 1310      | 5        | 0.22      | <2       | 4        |
| D006638            |                                   | <10       | 2        | 0.29      | <10       | 0.90      | 902      | 7        | 0.05      | 16       | 650       | 26       | 2.87      | 31       | 3        |
| D006639            |                                   | 10        | <1       | 0.88      | 20        | 0.99      | 1210     | <1       | 0.16      | 1        | 1490      | 7        | 0.01      | 3        | 5        |
| D006640            |                                   | 10        | <1       | 0.72      | 20        | 1.03      | 1160     | <1       | 0.13      | 2        | 1470      | 7        | 0.21      | 3        | 5        |
| D006641            |                                   | 10        | <1       | 0.74      | 20        | 1.05      | 1185     | <1       | 0.14      | 2        | 1440      | 8        | 0.22      | <2       | 5        |
| D006642            |                                   | 10        | <1       | 0.22      | 10        | 0.60      | 665      | <1       | 0.08      | 2        | 770       | 9        | 0.16      | <2       | 3        |
| D006643            |                                   | 10        | <1       | 0.79      | 20        | 1.02      | 1180     | <1       | 0.17      | 2        | 1490      | 7        | 0.03      | 4        | 5        |
| D006644            |                                   | 10        | <1       | 0.86      | 20        | 1.12      | 1295     | <1       | 0.21      | 2        | 1710      | 6        | 0.03      | 2        | 6        |
| D006645            |                                   | 10        | <1       | 0.70      | 20        | 1.02      | 1125     | <1       | 0.25      | 3        | 1560      | 6        | 0.02      | 2        | 7        |
| D006646            |                                   | 10        | <1       | 0.83      | 20        | 0.95      | 1065     | <1       | 0.19      | 2        | 1490      | 7        | <0.01     | 4        | 5        |
| D006647            |                                   | <10       | <1       | 0.42      | 10        | 0.50      | 371      | <1       | 0.15      | 1        | 470       | 3        | <0.01     | 2        | 3        |
| D006648            |                                   | 10        | <1       | 0.95      | 10        | 1.18      | 1365     | <1       | 0.25      | 3        | 1780      | 9        | <0.01     | 2        | 8        |
| D006649            |                                   | 10        | <1       | 1.39      | 20        | 1.32      | 1330     | <1       | 0.17      | 4        | 1630      | 5        | 0.24      | <2       | 5        |
| D006650            |                                   | 10        | <1       | 1.06      | 20        | 1.00      | 1045     | <1       | 0.15      | 2        | 1370      | 6        | 0.10      | 3        | 5        |
| D006651            |                                   | 10        | <1       | 0.92      | 20        | 1.00      | 1015     | <1       | 0.14      | 3        | 1420      | 6        | 0.07      | <2       | 5        |
| D006652            |                                   | 10        | <1       | 0.92      | 20        | 1.01      | 1025     | <1       | 0.14      | 2        | 1420      | 8        | 0.07      | <2       | 5        |
| D006653            |                                   | 10        | <1       | 0.86      | 20        | 0.92      | 911      | <1       | 0.18      | 2        | 1340      | 9        | 0.12      | <2       | 5        |
| D006654            |                                   | 10        | <1       | 1.26      | 20        | 1.16      | 1035     | 1        | 0.15      | 3        | 1370      | 9        | 0.83      | <2       | 6        |
| D006655            |                                   | 10        | <1       | 0.77      | 20        | 0.86      | 1170     | <1       | 0.18      | 2        | 1390      | 12       | 0.01      | 2        | 5        |
| D006656            |                                   | <10       | <1       | 0.27      | <10       | 0.97      | 778      | 8        | 0.06      | 10       | 820       | 14       | 1.89      | 10       | 6        |
| D006657            |                                   | 10        | <1       | 0.93      | 20        | 0.93      | 1125     | <1       | 0.15      | <1       | 1310      | 17       | 0.16      | 2        | 4        |
| D006658            |                                   | 10        | <1       | 1.11      | 20        | 1.19      | 1300     | 1        | 0.12      | 2        | 1410      | 13       | 1.24      | 4        | 6        |
| D006659            |                                   | 10        | 1        | 1.75      | 20        | 1.49      | 1305     | <1       | 0.12      | 3        | 1700      | 4        | 0.62      | 4        | 6        |
| D006660            |                                   | 10        | 1        | 1.81      | 20        | 1.55      | 1365     | <1       | 0.11      | 3        | 1790      | 7        | 0.67      | 4        | 6        |
| D006661            |                                   | 10        | <1       | 0.96      | 10        | 0.88      | 754      | <1       | 0.18      | 1        | 840       | 5        | <0.01     | 4        | 4        |
| D006662            |                                   | <10       | <1       | 0.29      | <10       | 0.13      | 188      | <1       | 0.13      | <1       | 120       | 7        | <0.01     | 3        | 1        |
| D006663            |                                   | 10        | <1       | 0.80      | 10        | 1.01      | 926      | <1       | 0.27      | 2        | 1030      | 7        | <0.01     | 2        | 7        |
| D013001            |                                   | 10        | <1       | 0.13      | 10        | 0.82      | 624      | <1       | 0.07      | <1       | 1040      | 12       | <0.01     | 2        | 4        |
| D013002            |                                   | 10        | 1        | 0.20      | 10        | 0.82      | 634      | <1       | 0.12      | 1        | 1200      | 10       | <0.01     | 2        | 4        |
| D013003            |                                   | 10        | <1       | 0.17      | 10        | 0.82      | 581      | <1       | 0.13      | 1        | 770       | 10       | <0.01     | <2       | 4        |
| D013004            |                                   | 10        | <1       | 0.21      | 10        | 0.83      | 653      | <1       | 0.10      | 1        | 830       | 11       | <0.01     | <2       | 4        |
| D013005            |                                   | 10        | <1       | 0.32      | 10        | 0.73      | 606      | <1       | 0.11      | 1        | 810       | 8        | <0.01     | 2        | 5        |
| D013006            |                                   | 10        | <1       | 0.55      | 10        | 0.80      | 667      | <1       | 0.11      | 1        | 760       | 6        | <0.01     | <2       | 3        |
| D013007            |                                   | 10        | <1       | 0.99      | 20        | 1.08      | 1270     | <1       | 0.10      | 3        | 1340      | 17       | <0.01     | 4        | 4        |
| D013008            |                                   | 10        | 1        | 0.99      | 20        | 1.07      | 1265     | <1       | 0.10      | 3        | 1330      | 16       | <0.01     | 2        | 4        |
| D013009            |                                   | 10        | <1       | 0.69      | 10        | 0.93      | 1130     | <1       | 0.11      | 1        | 1220      | 10       | <0.01     | 3        | 4        |
| D013010            |                                   | <10       | 1        | 0.31      | <10       | 0.99      | 883      | 15       | 0.05      | 603      | 630       | 30       | 1.54      | 9        | 6        |
| D013011            |                                   | 10        | <1       | 0.62      | 10        | 0.79      | 665      | <1       | 0.14      | 6        | 770       | 3        | <0.01     | <2       | 4        |
| D013012            |                                   | 10        | <1       | 0.37      | 10        | 0.75      | 579      | <1       | 0.11      | 4        | 800       | 3        | <0.01     | <2       | 5        |
| D013013            |                                   | 10        | <1       | 0.40      | 10        | 1.07      | 761      | <1       | 0.06      | 5        | 1300      | 6        | <0.01     | <2       | 4        |



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Finalized Date: 6-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089170

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | Cu-AA62   | Cu-AA05    |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|------------|
|                    |                                   | Th        | Ti        | Ti        | U         | V        | W         | Zn       | Cu        | Cu         |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| D006637            |                                   | <20       | 0.26      | <10       | <10       | 91       | <10       | 130      | 0.01      | 0.002      |
| D006638            |                                   | <20       | 0.04      | <10       | <10       | 43       | <10       | 106      | 0.71      | 0.016      |
| D006639            |                                   | <20       | 0.20      | <10       | <10       | 80       | <10       | 107      | <0.01     | 0.001      |
| D006640            |                                   | <20       | 0.18      | <10       | <10       | 78       | <10       | 113      | <0.01     | 0.001      |
| D006641            |                                   | <20       | 0.18      | <10       | <10       | 80       | <10       | 117      | <0.01     | 0.001      |
| D006642            |                                   | <20       | 0.04      | <10       | <10       | 44       | <10       | 72       | <0.01     | 0.002      |
| D006643            |                                   | <20       | 0.21      | <10       | <10       | 83       | <10       | 109      | <0.01     | 0.001      |
| D006644            |                                   | <20       | 0.24      | <10       | <10       | 94       | <10       | 115      | <0.01     | 0.001      |
| D006645            |                                   | <20       | 0.20      | <10       | <10       | 83       | <10       | 118      | <0.01     | 0.001      |
| D006646            |                                   | <20       | 0.21      | <10       | <10       | 80       | <10       | 96       | <0.01     | 0.001      |
| D006647            |                                   | <20       | 0.11      | <10       | <10       | 37       | <10       | 41       | <0.01     | 0.001      |
| D006648            |                                   | <20       | 0.24      | <10       | <10       | 100      | <10       | 122      | <0.01     | <0.001     |
| D006649            |                                   | <20       | 0.30      | <10       | <10       | 105      | <10       | 143      | 0.01      | 0.002      |
| D006650            |                                   | <20       | 0.22      | <10       | <10       | 80       | <10       | 117      | 0.01      | 0.001      |
| D006651            |                                   | <20       | 0.19      | <10       | <10       | 78       | <10       | 112      | 0.01      | 0.001      |
| D006652            |                                   | <20       | 0.20      | <10       | <10       | 79       | <10       | 113      | 0.01      | 0.001      |
| D006653            |                                   | <20       | 0.21      | <10       | <10       | 80       | <10       | 86       | 0.01      | 0.001      |
| D006654            |                                   | <20       | 0.25      | <10       | <10       | 101      | <10       | 128      | 0.02      | 0.002      |
| D006655            |                                   | <20       | 0.20      | <10       | <10       | 77       | <10       | 86       | <0.01     | 0.001      |
| D006656            |                                   | <20       | 0.02      | <10       | <10       | 44       | 10        | 80       | 0.50      | 0.018      |
| D006657            |                                   | <20       | 0.21      | <10       | <10       | 79       | <10       | 101      | 0.01      | 0.001      |
| D006658            |                                   | <20       | 0.22      | <10       | <10       | 94       | <10       | 165      | 0.02      | 0.002      |
| D006659            |                                   | <20       | 0.35      | <10       | <10       | 120      | <10       | 202      | 0.07      | 0.005      |
| D006660            |                                   | <20       | 0.36      | <10       | <10       | 124      | <10       | 210      | 0.07      | 0.005      |
| D006661            |                                   | <20       | 0.21      | <10       | <10       | 66       | <10       | 126      | <0.01     | 0.001      |
| D006662            |                                   | <20       | 0.03      | <10       | <10       | 11       | <10       | 200      | <0.01     | 0.001      |
| D006663            |                                   | <20       | 0.22      | <10       | <10       | 75       | <10       | 127      | <0.01     | 0.001      |
| D013001            |                                   | <20       | 0.07      | <10       | <10       | 62       | <10       | 74       | <0.01     | 0.001      |
| D013002            |                                   | <20       | 0.11      | <10       | <10       | 62       | <10       | 71       | <0.01     | <0.001     |
| D013003            |                                   | <20       | 0.14      | <10       | <10       | 55       | <10       | 79       | <0.01     | <0.001     |
| D013004            |                                   | <20       | 0.08      | <10       | <10       | 54       | <10       | 97       | <0.01     | 0.001      |
| D013005            |                                   | <20       | 0.10      | <10       | <10       | 54       | <10       | 83       | <0.01     | 0.001      |
| D013006            |                                   | <20       | 0.14      | <10       | <10       | 56       | <10       | 114      | <0.01     | <0.001     |
| D013007            |                                   | <20       | 0.20      | <10       | <10       | 85       | <10       | 411      | <0.01     | 0.001      |
| D013008            |                                   | <20       | 0.20      | <10       | <10       | 85       | <10       | 411      | <0.01     | 0.001      |
| D013009            |                                   | <20       | 0.17      | <10       | <10       | 75       | <10       | 194      | <0.01     | 0.001      |
| D013010            |                                   | <20       | 0.01      | <10       | <10       | 55       | <10       | 93       | 1.04      | 0.022      |
| D013011            |                                   | <20       | 0.14      | <10       | <10       | 60       | <10       | 101      | <0.01     | 0.001      |
| D013012            |                                   | <20       | 0.11      | <10       | <10       | 58       | <10       | 65       | <0.01     | 0.001      |
| D013013            |                                   | <20       | 0.07      | <10       | <10       | 78       | <10       | 158      | <0.01     | 0.002      |



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Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089170

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg | Au-AA23<br>Au<br>ppm | ME-ICP41<br>Ag<br>ppm | ME-ICP41<br>Al<br>% | ME-ICP41<br>As<br>ppm | ME-ICP41<br>B<br>ppm | ME-ICP41<br>Ba<br>ppm | ME-ICP41<br>Be<br>ppm | ME-ICP41<br>Bi<br>ppm | ME-ICP41<br>Ca<br>% | ME-ICP41<br>Cd<br>ppm | ME-ICP41<br>Co<br>ppm | ME-ICP41<br>Cr<br>ppm | ME-ICP41<br>Cu<br>ppm | ME-ICP41<br>Fe<br>% |
|--------------------|-----------------------------------|---------------------------|----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
|                    |                                   | 0.02                      | 0.005                | 0.2                   | 0.01                | 2                     | 10                   | 10                    | 0.5                   | 2                     | 0.01                | 0.5                   | 1                     | 1                     | 1                     | 0.01                |
| D013014            |                                   | 1.20                      | <0.005               | <0.2                  | 1.63                | 8                     | <10                  | 100                   | <0.5                  | <2                    | 1.68                | <0.5                  | 7                     | 6                     | 30                    | 2.41                |
| D013015            |                                   | 5.18                      | <0.005               | <0.2                  | 2.40                | 5                     | <10                  | 50                    | 0.7                   | <2                    | 3.17                | <0.5                  | 13                    | 3                     | 54                    | 4.14                |
| D013016            |                                   | <0.02                     | 0.006                | 0.3                   | 2.27                | 3                     | <10                  | 40                    | 0.7                   | <2                    | 3.06                | <0.5                  | 11                    | 3                     | 52                    | 4.25                |
| D013017            |                                   | 4.93                      | 0.005                | <0.2                  | 1.71                | <2                    | <10                  | 50                    | <0.5                  | <2                    | 1.16                | <0.5                  | 10                    | 4                     | 128                   | 5.23                |
| D013018            |                                   | 2.00                      | 0.027                | <0.2                  | 1.31                | <2                    | <10                  | 190                   | <0.5                  | <2                    | 0.98                | <0.5                  | 6                     | 5                     | 12                    | 2.75                |
| D013019            |                                   | 3.79                      | 0.008                | 0.2                   | 1.66                | 7                     | <10                  | 100                   | 0.5                   | <2                    | 1.57                | <0.5                  | 7                     | 4                     | 149                   | 3.30                |
| D013020            |                                   | 4.27                      | 0.016                | 0.5                   | 1.35                | <2                    | <10                  | 80                    | <0.5                  | <2                    | 1.12                | <0.5                  | 6                     | 4                     | 418                   | 3.08                |
| D013021            |                                   | 2.88                      | <0.005               | <0.2                  | 0.91                | 3                     | <10                  | 160                   | <0.5                  | <2                    | 0.44                | <0.5                  | 2                     | 7                     | 3                     | 1.97                |
| D013022            |                                   | 3.99                      | <0.005               | <0.2                  | 1.54                | 8                     | <10                  | 130                   | 0.5                   | <2                    | 1.22                | <0.5                  | 8                     | 4                     | 37                    | 3.43                |
| D013023            |                                   | 3.60                      | 0.010                | 0.2                   | 1.47                | 5                     | <10                  | 70                    | 0.5                   | <2                    | 1.22                | <0.5                  | 9                     | 3                     | 102                   | 3.59                |
| D013024            |                                   | <0.02                     | 0.008                | <0.2                  | 1.46                | 2                     | <10                  | 70                    | 0.5                   | <2                    | 1.21                | <0.5                  | 10                    | 3                     | 101                   | 3.54                |
| D013025            |                                   | 2.44                      | <0.005               | 0.2                   | 2.88                | 10                    | <10                  | 230                   | 1.1                   | <2                    | 4.42                | <0.5                  | 25                    | 90                    | 205                   | 4.81                |
| D013026            |                                   | 4.52                      | 0.007                | 0.4                   | 1.47                | 7                     | <10                  | 100                   | <0.5                  | <2                    | 2.91                | <0.5                  | 8                     | 3                     | 265                   | 3.51                |
| D013027            |                                   | 1.14                      | <0.005               | 0.2                   | 2.86                | 12                    | <10                  | 220                   | 1.6                   | <2                    | 7.79                | <0.5                  | 15                    | 63                    | 44                    | 2.64                |
| D013028            |                                   | 1.15                      | 0.017                | <0.2                  | 1.87                | 7                     | <10                  | 90                    | 0.7                   | <2                    | 2.74                | <0.5                  | 10                    | 10                    | 108                   | 3.66                |
| D013029            |                                   | 2.40                      | <0.005               | 0.4                   | 3.12                | 5                     | <10                  | 550                   | 1.3                   | <2                    | 4.87                | <0.5                  | 23                    | 61                    | 62                    | 4.16                |
| D013030            |                                   | 7.42                      | <0.005               | <0.2                  | 1.50                | <2                    | <10                  | 160                   | <0.5                  | <2                    | 1.40                | <0.5                  | 8                     | 5                     | 39                    | 3.17                |
| D013031            |                                   | 7.30                      | 0.006                | <0.2                  | 1.38                | 4                     | <10                  | 60                    | 0.6                   | <2                    | 1.54                | <0.5                  | 7                     | 5                     | 56                    | 2.74                |
| D013032            |                                   | 0.15                      | 1.020                | 3.9                   | 1.26                | 63                    | <10                  | 60                    | <0.5                  | 6                     | 0.73                | 2.3                   | 14                    | 63                    | 3250                  | 4.00                |
| D013033            |                                   | 6.99                      | <0.005               | <0.2                  | 1.61                | 11                    | <10                  | 70                    | 0.5                   | <2                    | 1.45                | <0.5                  | 8                     | 4                     | 31                    | 3.38                |
| D013034            |                                   | 7.57                      | <0.005               | <0.2                  | 1.62                | 4                     | <10                  | 70                    | 0.5                   | <2                    | 1.92                | <0.5                  | 8                     | 3                     | 5                     | 3.42                |
| D013035            |                                   | <0.02                     | <0.005               | <0.2                  | 1.58                | 2                     | <10                  | 70                    | 0.5                   | <2                    | 1.89                | <0.5                  | 9                     | 3                     | 5                     | 3.31                |
| D013036            |                                   | 2.02                      | <0.005               | <0.2                  | 1.52                | 8                     | <10                  | 20                    | 0.6                   | <2                    | 4.90                | <0.5                  | 6                     | 3                     | 3                     | 2.99                |
| D013037            |                                   | 3.66                      | <0.005               | <0.2                  | 1.83                | 4                     | <10                  | 30                    | 0.6                   | <2                    | 2.93                | <0.5                  | 8                     | 5                     | 2                     | 3.37                |



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Finalized Date: 6-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089170

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41<br>Ga<br>ppm<br>10 | ME-ICP41<br>Hg<br>ppm<br>1 | ME-ICP41<br>K<br>%<br>0.01 | ME-ICP41<br>La<br>ppm<br>10 | ME-ICP41<br>Mg<br>%<br>0.01 | ME-ICP41<br>Mn<br>ppm<br>5 | ME-ICP41<br>Mo<br>ppm<br>1 | ME-ICP41<br>Na<br>%<br>0.01 | ME-ICP41<br>Ni<br>ppm<br>1 | ME-ICP41<br>P<br>ppm<br>10 | ME-ICP41<br>Pb<br>ppm<br>2 | ME-ICP41<br>S<br>%<br>0.01 | ME-ICP41<br>Sb<br>ppm<br>2 | ME-ICP41<br>Sc<br>ppm<br>1 | ME-ICP41<br>Sr<br>ppm<br>1 |
|--------------------|-----------------------------------|-----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| D013014            |                                   | 10                          | <1                         | 0.14                       | 10                          | 0.80                        | 612                        | <1                         | 0.05                        | 3                          | 540                        | 8                          | <0.01                      | <2                         | 2                          | 54                         |
| D013015            |                                   | 10                          | <1                         | 0.13                       | 20                          | 1.32                        | 997                        | <1                         | 0.05                        | 4                          | 1540                       | 10                         | <0.01                      | <2                         | 4                          | 106                        |
| D013016            |                                   | 10                          | <1                         | 0.12                       | 20                          | 1.30                        | 994                        | <1                         | 0.05                        | 3                          | 1490                       | 9                          | <0.01                      | <2                         | 4                          | 104                        |
| D013017            |                                   | 10                          | <1                         | 0.13                       | 10                          | 1.08                        | 806                        | <1                         | 0.05                        | 3                          | 1180                       | 7                          | <0.01                      | <2                         | 3                          | 47                         |
| D013018            |                                   | 10                          | <1                         | 0.49                       | 10                          | 0.70                        | 561                        | <1                         | 0.07                        | 4                          | 630                        | 5                          | <0.01                      | <2                         | 2                          | 37                         |
| D013019            |                                   | 10                          | 1                          | 0.32                       | 20                          | 0.93                        | 695                        | <1                         | 0.09                        | 1                          | 1170                       | 9                          | <0.01                      | <2                         | 4                          | 62                         |
| D013020            |                                   | 10                          | <1                         | 0.35                       | 20                          | 0.88                        | 590                        | <1                         | 0.10                        | 3                          | 1170                       | 4                          | <0.01                      | <2                         | 4                          | 51                         |
| D013021            |                                   | <10                         | <1                         | 0.38                       | 10                          | 0.52                        | 418                        | <1                         | 0.14                        | 3                          | 510                        | <2                         | <0.01                      | <2                         | 3                          | 38                         |
| D013022            |                                   | 10                          | <1                         | 0.44                       | 20                          | 0.95                        | 781                        | <1                         | 0.11                        | <1                         | 1280                       | 6                          | <0.01                      | <2                         | 6                          | 57                         |
| D013023            |                                   | 10                          | <1                         | 0.13                       | 20                          | 0.87                        | 697                        | <1                         | 0.07                        | 11                         | 1140                       | 11                         | <0.01                      | <2                         | 5                          | 60                         |
| D013024            |                                   | 10                          | <1                         | 0.13                       | 20                          | 0.87                        | 691                        | <1                         | 0.07                        | 11                         | 1150                       | 8                          | <0.01                      | <2                         | 5                          | 60                         |
| D013025            |                                   | 10                          | 1                          | 0.26                       | 20                          | 2.26                        | 762                        | <1                         | 0.04                        | 120                        | 1860                       | 10                         | <0.01                      | <2                         | 12                         | 114                        |
| D013026            |                                   | 10                          | <1                         | 0.12                       | 20                          | 0.92                        | 805                        | <1                         | 0.06                        | 8                          | 1180                       | 3                          | <0.01                      | <2                         | 4                          | 54                         |
| D013027            |                                   | 10                          | 1                          | 0.31                       | 20                          | 1.45                        | 741                        | <1                         | 0.04                        | 62                         | 1660                       | 6                          | <0.01                      | <2                         | 11                         | 329                        |
| D013028            |                                   | 10                          | 1                          | 0.25                       | 10                          | 1.06                        | 617                        | <1                         | 0.05                        | 18                         | 1170                       | 4                          | <0.01                      | <2                         | 5                          | 87                         |
| D013029            |                                   | 10                          | 1                          | 0.56                       | 20                          | 2.76                        | 811                        | <1                         | 0.14                        | 108                        | 2030                       | 11                         | 0.06                       | <2                         | 12                         | 212                        |
| D013030            |                                   | 10                          | 1                          | 0.40                       | 10                          | 0.94                        | 655                        | <1                         | 0.12                        | 4                          | 1230                       | 3                          | <0.01                      | <2                         | 6                          | 76                         |
| D013031            |                                   | 10                          | 1                          | 0.18                       | 20                          | 0.82                        | 614                        | <1                         | 0.09                        | 3                          | 1080                       | 10                         | <0.01                      | <2                         | 5                          | 71                         |
| D013032            |                                   | <10                         | <1                         | 0.45                       | 30                          | 0.56                        | 303                        | 206                        | 0.03                        | 14                         | 580                        | 116                        | 1.67                       | 23                         | 5                          | 38                         |
| D013033            |                                   | 10                          | <1                         | 0.25                       | 20                          | 1.02                        | 780                        | <1                         | 0.10                        | 4                          | 1430                       | 7                          | <0.01                      | <2                         | 5                          | 81                         |
| D013034            |                                   | 10                          | 2                          | 0.15                       | 20                          | 0.97                        | 749                        | <1                         | 0.07                        | 3                          | 1340                       | 9                          | <0.01                      | <2                         | 6                          | 81                         |
| D013035            |                                   | 10                          | <1                         | 0.15                       | 20                          | 0.94                        | 728                        | <1                         | 0.06                        | 3                          | 1270                       | 9                          | <0.01                      | <2                         | 5                          | 78                         |
| D013036            |                                   | 10                          | <1                         | 0.08                       | 20                          | 0.81                        | 984                        | <1                         | 0.04                        | 3                          | 800                        | 38                         | <0.01                      | 2                          | 5                          | 146                        |
| D013037            |                                   | 10                          | <1                         | 0.11                       | 10                          | 1.13                        | 944                        | <1                         | 0.06                        | 6                          | 1220                       | 23                         | <0.01                      | <2                         | 8                          | 91                         |

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Account: MINTEX

**CERTIFICATE OF ANALYSIS TR07089170**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | ME-ICP41 | Cu-AA62 | Cu-AA05 |
|--------------------|-----------------------------------|----------|----------|----------|----------|----------|----------|----------|---------|---------|
|                    |                                   | Th       | Ti       | Ti       | U        | V        | W        | Zn       | Cu      | Cu      |
|                    |                                   | ppm      | %        | ppm      | ppm      | ppm      | ppm      | ppm      | %       | %       |
|                    |                                   | 20       | 0.01     | 10       | 10       | 1        | 10       | 2        | 0.01    | 0.001   |
| D013014            |                                   | <20      | <0.01    | <10      | <10      | 37       | <10      | 163      | <0.01   | 0.002   |
| D013015            |                                   | <20      | 0.05     | <10      | <10      | 78       | <10      | 150      | <0.01   | 0.003   |
| D013016            |                                   | <20      | 0.05     | <10      | <10      | 76       | <10      | 149      | 0.01    | 0.003   |
| D013017            |                                   | <20      | 0.06     | <10      | <10      | 76       | <10      | 176      | 0.01    | 0.008   |
| D013018            |                                   | <20      | 0.09     | <10      | <10      | 56       | <10      | 149      | <0.01   | 0.001   |
| D013019            |                                   | <20      | 0.11     | <10      | <10      | 79       | 10       | 144      | 0.01    | 0.009   |
| D013020            |                                   | <20      | 0.13     | <10      | <10      | 73       | <10      | 101      | 0.05    | 0.034   |
| D013021            |                                   | <20      | 0.10     | <10      | <10      | 39       | <10      | 44       | <0.01   | 0.001   |
| D013022            |                                   | <20      | 0.14     | <10      | <10      | 82       | <10      | 145      | <0.01   | 0.002   |
| D013023            |                                   | <20      | 0.05     | <10      | <10      | 71       | <10      | 166      | 0.01    | 0.006   |
| D013024            |                                   | <20      | 0.05     | <10      | <10      | 71       | <10      | 163      | 0.01    | 0.006   |
| D013025            |                                   | <20      | 0.07     | <10      | <10      | 116      | <10      | 104      | 0.02    | 0.005   |
| D013026            |                                   | <20      | 0.02     | <10      | <10      | 65       | <10      | 140      | 0.03    | 0.010   |
| D013027            |                                   | 20       | 0.09     | <10      | <10      | 97       | <10      | 55       | <0.01   | 0.002   |
| D013028            |                                   | <20      | 0.08     | <10      | <10      | 86       | <10      | 126      | 0.01    | 0.004   |
| D013029            |                                   | 20       | 0.34     | <10      | <10      | 139      | <10      | 74       | 0.01    | 0.002   |
| D013030            |                                   | <20      | 0.15     | <10      | <10      | 84       | <10      | 106      | <0.01   | 0.002   |
| D013031            |                                   | <20      | 0.11     | <10      | <10      | 70       | <10      | 116      | <0.01   | 0.002   |
| D013032            |                                   | <20      | 0.03     | <10      | <10      | 42       | 10       | 170      | 0.34    | 0.075   |
| D013033            |                                   | <20      | 0.10     | <10      | <10      | 80       | <10      | 175      | <0.01   | 0.002   |
| D013034            |                                   | <20      | 0.05     | <10      | <10      | 73       | <10      | 210      | <0.01   | 0.001   |
| D013035            |                                   | <20      | 0.05     | <10      | <10      | 70       | <10      | 188      | <0.01   | <0.001  |
| D013036            |                                   | <20      | 0.01     | <10      | <10      | 43       | <10      | 133      | <0.01   | <0.001  |
| D013037            |                                   | <20      | 0.02     | <10      | <10      | 60       | <10      | 164      | <0.01   | <0.001  |



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Finalized Date: 16-SEP-2007

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## CERTIFICATE TR07089172

Project:

P.O. No.: E401

This report is for 89 Drill Core samples submitted to our lab in Terrace, BC, Canada on 14-AUG-2007.

The following have access to data associated with this certificate:

VIVIENNE MCLENNAN

BRAD MERCER

STEPHEN QUIN

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| SPL-34   | Pulp Splitting Charge          |
| LOG-22   | Sample login - Rcd w/o BarCode |
| CRU-QC   | Crushing QC Test               |
| CRU-31   | Fine crushing - 70% <2mm       |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |
| LOG-24   | Pulp Login - Rcd w/o Barcode   |
| SPL-21d  | Split sample - duplicate       |
| PUL-31d  | Pulverize Split - duplicate    |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION                    | INSTRUMENT |
|----------|--------------------------------|------------|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES  | ICP-AES    |
| Cu-AA62  | Ore grade Cu - four acid / AAS | AAS        |
| Cu-AA05  | Cu (nonsulfide) - sulfuric     | AAS        |
| Au-AA23  | Au 30g FA-AA finish            | AAS        |

To: MINTO EXPLORATION LTD  
ATTN: VIVIENNE MCLENNAN  
860 - 625 HOWE ST.  
VANCOUVER BC V6C 2T6

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Lawrence Ng, Laboratory Manager - Vancouver



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## CERTIFICATE OF ANALYSIS TR07089172

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg | Au-AA23<br>Au<br>ppm | ME-ICP41<br>Ag<br>ppm | ME-ICP41<br>Al<br>% | ME-ICP41<br>As<br>ppm | ME-ICP41<br>B<br>ppm | ME-ICP41<br>Ba<br>ppm | ME-ICP41<br>Be<br>ppm | ME-ICP41<br>Bi<br>ppm | ME-ICP41<br>Ca<br>% | ME-ICP41<br>Cd<br>ppm | ME-ICP41<br>Co<br>ppm | ME-ICP41<br>Cr<br>ppm | ME-ICP41<br>Cu<br>ppm | ME-ICP41<br>Fe<br>% |
|--------------------|-----------------------------------|---------------------------|----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
|                    |                                   | 0.02                      | 0.005                | 0.2                   | 0.01                | 2                     | 10                   | 10                    | 0.5                   | 2                     | 0.01                | 0.5                   | 1                     | 1                     | 1                     | 0.01                |
| D021305            |                                   | 2.80                      | <0.005               | <0.2                  | 1.62                | <2                    | <10                  | 100                   | <0.5                  | <2                    | 0.76                | <0.5                  | 6                     | 5                     | 2                     | 2.57                |
| D021306            |                                   | 1.73                      | <0.005               | <0.2                  | 2.00                | <2                    | <10                  | 240                   | <0.5                  | <2                    | 0.85                | <0.5                  | 8                     | 4                     | 11                    | 3.01                |
| D021307            |                                   | 3.00                      | 0.026                | 0.2                   | 1.95                | <2                    | <10                  | 480                   | <0.5                  | <2                    | 0.45                | <0.5                  | 9                     | 5                     | 269                   | 3.56                |
| D021308            |                                   | 4.79                      | 0.017                | 0.2                   | 1.75                | <2                    | <10                  | 370                   | <0.5                  | <2                    | 0.53                | <0.5                  | 7                     | 5                     | 108                   | 3.27                |
| D021309            |                                   | 4.97                      | 0.026                | 0.3                   | 1.63                | <2                    | <10                  | 270                   | <0.5                  | <2                    | 0.40                | <0.5                  | 5                     | 4                     | 59                    | 3.20                |
| D021310            |                                   | 4.79                      | 0.009                | <0.2                  | 1.70                | <2                    | <10                  | 280                   | <0.5                  | <2                    | 0.66                | <0.5                  | 8                     | 5                     | 31                    | 2.88                |
| D021311            |                                   | 0.15                      | 0.955                | 3.5                   | 1.10                | 47                    | <10                  | 170                   | <0.5                  | 5                     | 0.64                | 2.1                   | 13                    | 53                    | 2930                  | 3.63                |
| D021312            |                                   | 4.88                      | 0.014                | 0.2                   | 1.84                | <2                    | <10                  | 380                   | <0.5                  | <2                    | 0.47                | <0.5                  | 9                     | 5                     | 74                    | 3.30                |
| D021313            |                                   | 5.00                      | 0.007                | <0.2                  | 1.67                | <2                    | <10                  | 290                   | <0.5                  | <2                    | 0.59                | <0.5                  | 9                     | 5                     | 21                    | 2.98                |
| D021314            |                                   | 2.66                      | 0.014                | 0.3                   | 1.56                | <2                    | <10                  | 260                   | <0.5                  | <2                    | 0.46                | <0.5                  | 7                     | 5                     | 63                    | 3.08                |
| D021315            |                                   | 3.51                      | 0.010                | 0.3                   | 1.72                | <2                    | <10                  | 280                   | <0.5                  | <2                    | 0.38                | <0.5                  | 6                     | 5                     | 137                   | 3.25                |
| D021316            |                                   | 3.59                      | 0.005                | 0.3                   | 1.69                | <2                    | <10                  | 340                   | <0.5                  | <2                    | 0.51                | <0.5                  | 8                     | 5                     | 289                   | 3.26                |
| D021317            |                                   | <0.02                     | 0.016                | 0.3                   | 1.76                | <2                    | <10                  | 360                   | <0.5                  | <2                    | 0.53                | <0.5                  | 8                     | 5                     | 294                   | 3.34                |
| D021318            |                                   | 3.48                      | 0.010                | 0.3                   | 1.61                | <2                    | <10                  | 280                   | <0.5                  | <2                    | 0.49                | <0.5                  | 8                     | 6                     | 309                   | 3.19                |
| D021319            |                                   | 3.35                      | 0.020                | <0.2                  | 1.96                | <2                    | <10                  | 400                   | <0.5                  | <2                    | 0.58                | <0.5                  | 11                    | 6                     | 207                   | 3.56                |
| D021320            |                                   | 3.40                      | 0.024                | 0.2                   | 1.83                | <2                    | <10                  | 460                   | <0.5                  | <2                    | 0.47                | <0.5                  | 9                     | 6                     | 493                   | 3.75                |
| D021321            |                                   | 3.44                      | 0.025                | 0.3                   | 2.02                | <2                    | <10                  | 540                   | <0.5                  | <2                    | 0.48                | <0.5                  | 11                    | 5                     | 355                   | 4.13                |
| D021322            |                                   | 3.20                      | <0.005               | <0.2                  | 0.96                | <2                    | <10                  | 150                   | <0.5                  | <2                    | 0.44                | <0.5                  | 4                     | 6                     | 3                     | 1.85                |
| D021323            |                                   | 3.50                      | 0.006                | <0.2                  | 1.88                | <2                    | <10                  | 450                   | <0.5                  | 2                     | 0.55                | <0.5                  | 11                    | 4                     | 109                   | 3.75                |
| D021324            |                                   | 3.05                      | 0.005                | <0.2                  | 1.65                | <2                    | <10                  | 260                   | <0.5                  | <2                    | 0.44                | <0.5                  | 7                     | 5                     | 250                   | 3.36                |
| D021325            |                                   | 3.56                      | <0.005               | <0.2                  | 1.38                | <2                    | <10                  | 210                   | <0.5                  | <2                    | 0.44                | <0.5                  | 9                     | 5                     | 223                   | 3.10                |
| D021326            |                                   | 3.41                      | <0.005               | <0.2                  | 1.87                | <2                    | <10                  | 280                   | <0.5                  | <2                    | 0.46                | <0.5                  | 9                     | 6                     | 197                   | 3.82                |
| D021327            |                                   | <0.02                     | <0.005               | <0.2                  | 1.84                | <2                    | <10                  | 280                   | <0.5                  | <2                    | 0.45                | <0.5                  | 8                     | 5                     | 183                   | 3.66                |
| D021328            |                                   | 3.96                      | <0.005               | <0.2                  | 1.54                | <2                    | <10                  | 430                   | <0.5                  | <2                    | 0.46                | <0.5                  | 6                     | 5                     | 15                    | 2.57                |
| D021329            |                                   | 4.88                      | <0.005               | 0.2                   | 1.84                | <2                    | <10                  | 430                   | <0.5                  | <2                    | 0.47                | <0.5                  | 9                     | 5                     | 74                    | 3.26                |
| D021330            |                                   | 4.79                      | 0.007                | <0.2                  | 1.81                | <2                    | <10                  | 410                   | <0.5                  | <2                    | 0.47                | <0.5                  | 10                    | 5                     | 122                   | 3.42                |
| D021331            |                                   | 4.93                      | 0.005                | <0.2                  | 1.75                | <2                    | <10                  | 370                   | <0.5                  | <2                    | 0.40                | <0.5                  | 8                     | 5                     | 30                    | 3.11                |
| D021332            |                                   | 4.05                      | 0.006                | <0.2                  | 1.79                | <2                    | <10                  | 350                   | <0.5                  | <2                    | 0.44                | <0.5                  | 7                     | 5                     | 30                    | 3.04                |
| D021333            |                                   | 0.15                      | 0.940                | 3.2                   | 0.45                | <2                    | <10                  | 150                   | <0.5                  | <2                    | 2.08                | <0.5                  | 17                    | 701                   | 9430                  | 7.19                |
| D021334            |                                   | 2.72                      | 0.007                | <0.2                  | 1.27                | <2                    | <10                  | 330                   | <0.5                  | <2                    | 0.38                | <0.5                  | 6                     | 5                     | 9                     | 2.29                |
| D021335            |                                   | 3.75                      | <0.005               | <0.2                  | 1.25                | <2                    | <10                  | 210                   | <0.5                  | <2                    | 0.66                | <0.5                  | 6                     | 5                     | 3                     | 2.28                |
| D021336            |                                   | 3.97                      | <0.005               | <0.2                  | 1.29                | 3                     | <10                  | 170                   | <0.5                  | <2                    | 0.63                | <0.5                  | 6                     | 6                     | 3                     | 2.29                |
| D021337            |                                   | 2.57                      | <0.005               | <0.2                  | 1.47                | <2                    | <10                  | 290                   | <0.5                  | 2                     | 0.55                | <0.5                  | 7                     | 5                     | 2                     | 2.61                |
| D021338            |                                   | 1.94                      | <0.005               | <0.2                  | 1.65                | 2                     | <10                  | 310                   | <0.5                  | <2                    | 0.68                | <0.5                  | 8                     | 3                     | 2                     | 3.25                |
| D021339            |                                   | 3.64                      | <0.005               | <0.2                  | 1.53                | <2                    | <10                  | 370                   | <0.5                  | 3                     | 0.57                | <0.5                  | 7                     | 4                     | 3                     | 2.94                |
| D021340            |                                   | <0.02                     | <0.005               | <0.2                  | 1.52                | 4                     | <10                  | 360                   | <0.5                  | <2                    | 0.57                | <0.5                  | 8                     | 4                     | 3                     | 2.90                |
| D021341            |                                   | 3.91                      | <0.005               | <0.2                  | 1.81                | <2                    | <10                  | 280                   | <0.5                  | <2                    | 0.56                | <0.5                  | 8                     | 4                     | 5                     | 3.13                |
| D021342            |                                   | 3.08                      | <0.005               | <0.2                  | 0.82                | <2                    | <10                  | 150                   | <0.5                  | <2                    | 0.36                | <0.5                  | 3                     | 6                     | 2                     | 1.67                |
| D021343            |                                   | 3.57                      | 0.007                | 0.3                   | 2.33                | <2                    | <10                  | 240                   | <0.5                  | <2                    | 0.51                | 0.5                   | 9                     | 4                     | 450                   | 5.64                |
| D021344            |                                   | 3.94                      | <0.005               | <0.2                  | 1.68                | <2                    | <10                  | 180                   | <0.5                  | 2                     | 1.04                | <0.5                  | 8                     | 4                     | 3                     | 3.40                |



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Finalized Date: 16-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089172

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41 |
|--------------------|-----------------------------------|-----------|----------|-----------|-----------|-----------|----------|----------|-----------|----------|-----------|----------|-----------|----------|----------|
|                    |                                   | Ga        | Hg       | K         | La        | Mg        | Mn       | Mo       | Na        | Ni       | P         | Pb       | S         | Sb       | Sc       |
|                    |                                   | ppm<br>10 | ppm<br>1 | %<br>0.01 | ppm<br>10 | %<br>0.01 | ppm<br>5 | ppm<br>1 | %<br>0.01 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | ppm<br>2 | ppm<br>1 |
| D021305            |                                   | 10        | <1       | 0.26      | 10        | 0.81      | 820      | <1       | 0.05      | 3        | 1000      | 6        | <0.01     | 3        | 3        |
| D021306            |                                   | 10        | <1       | 0.67      | 20        | 0.90      | 824      | <1       | 0.07      | 4        | 1280      | 3        | <0.01     | <2       | 3        |
| D021307            |                                   | 10        | <1       | 1.27      | 10        | 1.05      | 1050     | <1       | 0.08      | 3        | 1370      | 3        | 0.03      | 3        | 5        |
| D021308            |                                   | 10        | <1       | 0.93      | 20        | 0.89      | 981      | <1       | 0.06      | 3        | 1260      | <2       | 0.01      | <2       | 5        |
| D021309            |                                   | 10        | <1       | 1.02      | 10        | 0.91      | 863      | <1       | 0.07      | 5        | 1060      | 2        | 0.02      | <2       | 5        |
| D021310            |                                   | 10        | <1       | 0.64      | 20        | 0.83      | 842      | <1       | 0.09      | 4        | 1150      | 5        | 0.02      | <2       | 3        |
| D021311            |                                   | <10       | <1       | 0.42      | 20        | 0.49      | 251      | 183      | 0.02      | 11       | 480       | 100      | 1.42      | 24       | 4        |
| D021312            |                                   | 10        | <1       | 1.24      | 20        | 0.95      | 921      | <1       | 0.10      | 4        | 1200      | 2        | 0.04      | <2       | 4        |
| D021313            |                                   | 10        | <1       | 0.84      | 20        | 0.79      | 840      | <1       | 0.10      | 1        | 1090      | 3        | 0.02      | <2       | 3        |
| D021314            |                                   | 10        | <1       | 0.78      | 10        | 0.90      | 895      | <1       | 0.09      | 2        | 1130      | 6        | 0.32      | <2       | 5        |
| D021315            |                                   | 10        | <1       | 1.03      | 10        | 1.04      | 866      | <1       | 0.10      | 4        | 1110      | 6        | 0.24      | <2       | 6        |
| D021316            |                                   | 10        | <1       | 1.01      | 10        | 0.98      | 898      | <1       | 0.08      | 4        | 1590      | 8        | 0.22      | <2       | 5        |
| D021317            |                                   | 10        | 1        | 1.04      | 10        | 1.01      | 922      | <1       | 0.09      | 3        | 1640      | 13       | 0.22      | 2        | 5        |
| D021318            |                                   | 10        | <1       | 0.77      | 10        | 0.92      | 860      | 1        | 0.07      | 4        | 1220      | 8        | 0.34      | <2       | 6        |
| D021319            |                                   | 10        | <1       | 0.91      | 10        | 1.11      | 875      | <1       | 0.07      | 7        | 1210      | 3        | 0.01      | <2       | 4        |
| D021320            |                                   | 10        | 1        | 1.13      | 10        | 1.05      | 813      | 1        | 0.10      | 3        | 1260      | <2       | 0.39      | <2       | 6        |
| D021321            |                                   | 10        | 1        | 1.30      | 10        | 1.16      | 998      | <1       | 0.10      | 3        | 1240      | 2        | 0.33      | <2       | 5        |
| D021322            |                                   | <10       | <1       | 0.42      | 10        | 0.53      | 383      | <1       | 0.16      | 4        | 550       | <2       | 0.01      | <2       | 3        |
| D021323            |                                   | 10        | <1       | 1.04      | 10        | 1.12      | 917      | <1       | 0.06      | 4        | 1200      | 4        | 0.23      | <2       | 4        |
| D021324            |                                   | 10        | <1       | 0.97      | 10        | 1.05      | 1015     | <1       | 0.08      | 4        | 1080      | 3        | 0.34      | <2       | 5        |
| D021325            |                                   | 10        | <1       | 0.74      | 10        | 0.81      | 823      | 2        | 0.07      | 6        | 1260      | 4        | 0.34      | <2       | 5        |
| D021326            |                                   | 10        | <1       | 1.20      | 10        | 1.17      | 1135     | <1       | 0.08      | 4        | 1270      | 3        | 0.49      | <2       | 6        |
| D021327            |                                   | 10        | <1       | 1.14      | 10        | 1.12      | 1110     | <1       | 0.09      | 3        | 1210      | 3        | 0.47      | 3        | 6        |
| D021328            |                                   | 10        | <1       | 0.84      | 10        | 0.77      | 791      | <1       | 0.11      | 3        | 960       | <2       | 0.01      | <2       | 2        |
| D021329            |                                   | 10        | <1       | 1.18      | 20        | 0.96      | 961      | <1       | 0.11      | 4        | 1160      | <2       | 0.06      | <2       | 3        |
| D021330            |                                   | 10        | <1       | 0.91      | 10        | 1.03      | 796      | <1       | 0.09      | 4        | 1180      | <2       | 0.10      | <2       | 4        |
| D021331            |                                   | 10        | <1       | 1.17      | 20        | 0.92      | 917      | <1       | 0.11      | 4        | 1090      | <2       | 0.06      | <2       | 3        |
| D021332            |                                   | 10        | <1       | 1.17      | 20        | 0.92      | 912      | <1       | 0.11      | 5        | 1130      | <2       | 0.10      | 2        | 2        |
| D021333            |                                   | <10       | 1        | 0.30      | <10       | 0.91      | 762      | 11       | 0.05      | 536      | 590       | 13       | 1.39      | 11       | 5        |
| D021334            |                                   | <10       | <1       | 0.65      | 10        | 0.63      | 463      | <1       | 0.12      | 2        | 590       | <2       | <0.01     | <2       | 2        |
| D021335            |                                   | 10        | <1       | 0.42      | 10        | 0.67      | 495      | <1       | 0.13      | 2        | 690       | <2       | 0.01      | <2       | 4        |
| D021336            |                                   | 10        | <1       | 0.44      | 10        | 0.70      | 641      | 1        | 0.12      | 3        | 710       | 10       | 0.01      | 2        | 4        |
| D021337            |                                   | 10        | <1       | 0.75      | 10        | 0.78      | 744      | <1       | 0.13      | 2        | 790       | 7        | 0.01      | 2        | 4        |
| D021338            |                                   | 10        | <1       | 0.76      | 20        | 0.95      | 892      | <1       | 0.11      | 3        | 1240      | 4        | 0.01      | 3        | 4        |
| D021339            |                                   | 10        | <1       | 0.83      | 20        | 0.85      | 975      | <1       | 0.10      | 3        | 1120      | 7        | 0.01      | <2       | 3        |
| D021340            |                                   | 10        | <1       | 0.83      | 20        | 0.84      | 966      | <1       | 0.10      | 2        | 1120      | 3        | 0.01      | 4        | 3        |
| D021341            |                                   | 10        | 1        | 1.10      | 20        | 0.98      | 1435     | <1       | 0.10      | 2        | 1110      | 12       | 0.01      | 2        | 4        |
| D021342            |                                   | <10       | 1        | 0.39      | 10        | 0.46      | 351      | <1       | 0.10      | 2        | 460       | 4        | 0.01      | <2       | 2        |
| D021343            |                                   | 10        | 1        | 1.16      | 20        | 1.34      | 1940     | <1       | 0.06      | 2        | 1150      | 16       | 0.07      | <2       | 5        |
| D021344            |                                   | 10        | <1       | 0.53      | 10        | 0.98      | 933      | <1       | 0.08      | 3        | 1220      | 12       | 0.01      | 2        | 4        |



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Finalized Date: 16-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089172

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | Cu-AA62   | Cu-AA05    |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|------------|
|                    |                                   | Th        | Ti        | Ti        | U         | V        | W         | Zn       | Cu        | Cu         |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| D021305            |                                   | <20       | 0.18      | 10        | <10       | 64       | <10       | 133      | <0.01     | <0.001     |
| D021306            |                                   | <20       | 0.22      | <10       | <10       | 83       | <10       | 141      | 0.01      | <0.001     |
| D021307            |                                   | <20       | 0.27      | <10       | <10       | 93       | <10       | 180      | 0.03      | 0.014      |
| D021308            |                                   | <20       | 0.24      | 10        | <10       | 82       | <10       | 143      | 0.01      | 0.004      |
| D021309            |                                   | <20       | 0.21      | <10       | <10       | 79       | <10       | 173      | 0.01      | 0.002      |
| D021310            |                                   | <20       | 0.20      | <10       | <10       | 70       | <10       | 132      | 0.01      | 0.001      |
| D021311            |                                   | <20       | 0.03      | <10       | <10       | 34       | <10       | 138      | 0.33      | 0.075      |
| D021312            |                                   | <20       | 0.23      | <10       | <10       | 83       | <10       | 130      | 0.01      | 0.003      |
| D021313            |                                   | <20       | 0.21      | <10       | <10       | 73       | <10       | 122      | 0.01      | 0.001      |
| D021314            |                                   | <20       | 0.21      | <10       | <10       | 77       | <10       | 190      | 0.01      | 0.002      |
| D021315            |                                   | <20       | 0.23      | <10       | <10       | 88       | <10       | 254      | 0.02      | 0.005      |
| D021316            |                                   | <20       | 0.23      | <10       | <10       | 92       | <10       | 316      | 0.04      | 0.013      |
| D021317            |                                   | <20       | 0.23      | <10       | <10       | 94       | <10       | 324      | 0.03      | 0.013      |
| D021318            |                                   | <20       | 0.22      | <10       | <10       | 91       | <10       | 233      | 0.04      | 0.014      |
| D021319            |                                   | <20       | 0.30      | <10       | <10       | 95       | <10       | 284      | 0.02      | 0.010      |
| D021320            |                                   | <20       | 0.25      | <10       | <10       | 94       | <10       | 213      | 0.06      | 0.016      |
| D021321            |                                   | <20       | 0.26      | <10       | <10       | 95       | <10       | 213      | 0.04      | 0.009      |
| D021322            |                                   | <20       | 0.11      | <10       | <10       | 34       | <10       | 44       | <0.01     | <0.001     |
| D021323            |                                   | <20       | 0.26      | <10       | <10       | 91       | <10       | 246      | 0.01      | 0.004      |
| D021324            |                                   | <20       | 0.21      | <10       | <10       | 78       | <10       | 301      | 0.03      | 0.011      |
| D021325            |                                   | <20       | 0.19      | <10       | <10       | 84       | <10       | 175      | 0.02      | 0.008      |
| D021326            |                                   | <20       | 0.24      | <10       | <10       | 91       | <10       | 197      | 0.02      | 0.005      |
| D021327            |                                   | <20       | 0.23      | <10       | <10       | 85       | <10       | 183      | 0.02      | 0.004      |
| D021328            |                                   | <20       | 0.18      | <10       | <10       | 62       | <10       | 113      | <0.01     | 0.001      |
| D021329            |                                   | <20       | 0.23      | <10       | <10       | 83       | <10       | 103      | 0.01      | 0.002      |
| D021330            |                                   | <20       | 0.19      | <10       | <10       | 81       | <10       | 148      | 0.02      | 0.002      |
| D021331            |                                   | <20       | 0.23      | <10       | <10       | 80       | <10       | 115      | 0.01      | 0.001      |
| D021332            |                                   | <20       | 0.22      | <10       | <10       | 76       | <10       | 92       | <0.01     | 0.001      |
| D021333            |                                   | <20       | 0.01      | <10       | <10       | 47       | 10        | 72       | 1.00      | 0.017      |
| D021334            |                                   | <20       | 0.16      | <10       | <10       | 52       | <10       | 82       | <0.01     | <0.001     |
| D021335            |                                   | <20       | 0.14      | <10       | <10       | 50       | <10       | 79       | <0.01     | <0.001     |
| D021336            |                                   | <20       | 0.14      | <10       | <10       | 55       | <10       | 116      | <0.01     | <0.001     |
| D021337            |                                   | <20       | 0.16      | <10       | <10       | 64       | <10       | 140      | <0.01     | <0.001     |
| D021338            |                                   | <20       | 0.20      | <10       | <10       | 87       | <10       | 156      | <0.01     | <0.001     |
| D021339            |                                   | <20       | 0.18      | <10       | <10       | 77       | <10       | 155      | <0.01     | <0.001     |
| D021340            |                                   | <20       | 0.18      | <10       | <10       | 77       | <10       | 154      | <0.01     | <0.001     |
| D021341            |                                   | <20       | 0.20      | <10       | <10       | 82       | <10       | 320      | <0.01     | 0.001      |
| D021342            |                                   | <20       | 0.09      | <10       | <10       | 36       | <10       | 42       | <0.01     | <0.001     |
| D021343            |                                   | <20       | 0.17      | <10       | <10       | 97       | <10       | 660      | 0.04      | 0.004      |
| D021344            |                                   | <20       | 0.15      | <10       | <10       | 83       | <10       | 201      | <0.01     | <0.001     |



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Finalized Date: 16-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089172

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg | Au-AA23<br>Au<br>ppm | ME-ICP41<br>Ag<br>ppm | ME-ICP41<br>Al<br>% | ME-ICP41<br>As<br>ppm | ME-ICP41<br>B<br>ppm | ME-ICP41<br>Ba<br>ppm | ME-ICP41<br>Be<br>ppm | ME-ICP41<br>Bi<br>ppm | ME-ICP41<br>Ca<br>% | ME-ICP41<br>Cd<br>ppm | ME-ICP41<br>Co<br>ppm | ME-ICP41<br>Cr<br>ppm | ME-ICP41<br>Cu<br>ppm | ME-ICP41<br>Fe<br>% |
|--------------------|-----------------------------------|---------------------------|----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
|                    |                                   | 0.02                      | 0.005                | 0.2                   | 0.01                | 2                     | 10                   | 10                    | 0.5                   | 2                     | 0.01                | 0.5                   | 1                     | 1                     | 1                     | 0.01                |
| D021345            |                                   | 4.08                      | <0.005               | <0.2                  | 1.78                | 3                     | <10                  | 70                    | 0.5                   | <2                    | 1.62                | <0.5                  | 8                     | 4                     | 2                     | 3.20                |
| D021346            |                                   | 3.48                      | 0.009                | <0.2                  | 1.50                | 4                     | <10                  | 70                    | <0.5                  | <2                    | 1.15                | <0.5                  | 6                     | 3                     | 10                    | 2.58                |
| D021347            |                                   | <0.02                     | <0.005               | <0.2                  | 1.51                | <2                    | <10                  | 70                    | <0.5                  | <2                    | 1.18                | 0.6                   | 7                     | 3                     | 11                    | 2.68                |
| D021348            |                                   | 0.95                      | <0.005               | <0.2                  | 2.19                | 3                     | <10                  | 20                    | 0.8                   | <2                    | 2.58                | <0.5                  | 16                    | 8                     | 23                    | 3.44                |
| D021349            |                                   | 1.23                      | <0.005               | <0.2                  | 1.38                | <2                    | <10                  | 40                    | 0.5                   | <2                    | 1.60                | <0.5                  | 6                     | 3                     | 3                     | 2.50                |
| D021350            |                                   | 4.00                      | <0.005               | <0.2                  | 1.53                | <2                    | <10                  | 40                    | 0.6                   | <2                    | 1.58                | <0.5                  | 8                     | 3                     | 3                     | 2.76                |
| D021351            |                                   | 3.75                      | <0.005               | <0.2                  | 1.39                | <2                    | <10                  | 110                   | <0.5                  | <2                    | 1.17                | <0.5                  | 6                     | 4                     | 2                     | 2.65                |
| D021352            |                                   | 0.14                      | 0.923                | 3.6                   | 0.47                | 12                    | <10                  | 170                   | <0.5                  | 3                     | 2.13                | <0.5                  | 18                    | 744                   | >10000                | 7.33                |
| D021353            |                                   | 3.86                      | 0.013                | <0.2                  | 1.44                | <2                    | <10                  | 170                   | <0.5                  | <2                    | 1.29                | <0.5                  | 6                     | 5                     | 11                    | 2.83                |
| D021354            |                                   | 3.92                      | <0.005               | <0.2                  | 1.92                | <2                    | <10                  | 280                   | <0.5                  | <2                    | 1.24                | <0.5                  | 10                    | 7                     | 3                     | 4.43                |
| D021355            |                                   | 3.77                      | <0.005               | <0.2                  | 1.35                | <2                    | <10                  | 200                   | <0.5                  | <2                    | 0.92                | <0.5                  | 5                     | 4                     | 2                     | 2.62                |
| D021356            |                                   | 4.07                      | <0.005               | <0.2                  | 1.47                | <2                    | <10                  | 320                   | <0.5                  | <2                    | 0.77                | 0.5                   | 8                     | 4                     | 2                     | 3.64                |
| D021357            |                                   | <0.02                     | <0.005               | <0.2                  | 1.48                | 2                     | <10                  | 320                   | <0.5                  | <2                    | 0.77                | <0.5                  | 8                     | 4                     | 2                     | 3.67                |
| D021358            |                                   | 2.79                      | <0.005               | <0.2                  | 1.12                | <2                    | <10                  | 240                   | <0.5                  | <2                    | 0.57                | <0.5                  | 5                     | 5                     | 1                     | 1.98                |
| D021359            |                                   | 3.47                      | <0.005               | <0.2                  | 1.24                | <2                    | <10                  | 260                   | <0.5                  | <2                    | 0.62                | <0.5                  | 5                     | 5                     | 1                     | 2.17                |
| D021360            |                                   | 3.69                      | <0.005               | <0.2                  | 1.35                | <2                    | <10                  | 240                   | <0.5                  | <2                    | 0.71                | <0.5                  | 5                     | 5                     | 2                     | 2.42                |
| D021361            |                                   | 2.77                      | <0.005               | <0.2                  | 1.60                | <2                    | <10                  | 370                   | <0.5                  | 3                     | 0.72                | <0.5                  | 8                     | 6                     | 1                     | 2.84                |
| D021362            |                                   | 3.06                      | <0.005               | <0.2                  | 1.40                | <2                    | <10                  | 270                   | <0.5                  | <2                    | 0.61                | <0.5                  | 8                     | 3                     | 1                     | 2.70                |
| D021363            |                                   | 3.47                      | <0.005               | <0.2                  | 0.88                | <2                    | <10                  | 130                   | <0.5                  | 2                     | 0.40                | <0.5                  | 3                     | 7                     | 2                     | 1.70                |
| D021364            |                                   | 4.80                      | 0.006                | 0.3                   | 1.29                | <2                    | <10                  | 70                    | <0.5                  | <2                    | 1.13                | <0.5                  | 8                     | 4                     | 76                    | 2.86                |
| D021365            |                                   | 4.81                      | <0.005               | <0.2                  | 1.18                | <2                    | <10                  | 110                   | <0.5                  | <2                    | 0.91                | <0.5                  | 6                     | 3                     | 2                     | 2.52                |
| D021366            |                                   | 4.78                      | <0.005               | <0.2                  | 1.45                | <2                    | <10                  | 200                   | <0.5                  | <2                    | 0.67                | <0.5                  | 8                     | 3                     | 24                    | 2.84                |
| D021367            |                                   | 5.04                      | 0.005                | <0.2                  | 1.86                | <2                    | <10                  | 270                   | <0.5                  | 2                     | 1.29                | 0.5                   | 12                    | 4                     | 42                    | 3.96                |
| D021368            |                                   | <0.02                     | <0.005               | 0.2                   | 1.77                | <2                    | <10                  | 260                   | <0.5                  | <2                    | 1.19                | <0.5                  | 10                    | 3                     | 49                    | 3.70                |
| D021369            |                                   | 5.12                      | 0.014                | 0.8                   | 1.37                | <2                    | <10                  | 170                   | <0.5                  | <2                    | 1.56                | <0.5                  | 10                    | 3                     | 301                   | 3.39                |
| D021370            |                                   | 5.24                      | <0.005               | <0.2                  | 1.44                | <2                    | <10                  | 270                   | <0.5                  | <2                    | 1.15                | <0.5                  | 8                     | 3                     | 3                     | 3.02                |
| D021371            |                                   | 4.10                      | 0.149                | 2.1                   | 0.78                | 9                     | <10                  | 100                   | <0.5                  | <2                    | 4.41                | 0.5                   | 12                    | 1                     | 1810                  | 3.43                |
| D021372            |                                   | 0.15                      | 0.384                | 1.0                   | 0.75                | 9                     | <10                  | 140                   | <0.5                  | <2                    | 2.07                | <0.5                  | 8                     | 17                    | 4950                  | 5.37                |
| D021373            |                                   | 3.65                      | 0.016                | 0.3                   | 0.58                | 3                     | <10                  | 60                    | 0.5                   | <2                    | 8.59                | <0.5                  | 7                     | 1                     | 473                   | 2.62                |
| D021374            |                                   | 3.62                      | <0.005               | <0.2                  | 0.66                | <2                    | <10                  | 130                   | 0.7                   | <2                    | 2.54                | 0.6                   | 8                     | 1                     | 12                    | 2.97                |
| D021375            |                                   | 3.83                      | 0.005                | <0.2                  | 0.61                | <2                    | <10                  | 120                   | 0.6                   | <2                    | 2.62                | <0.5                  | 9                     | 1                     | 7                     | 2.95                |
| D021376            |                                   | 3.52                      | <0.005               | 0.3                   | 0.62                | <2                    | <10                  | 50                    | 0.5                   | <2                    | 3.90                | <0.5                  | 7                     | 1                     | 41                    | 2.69                |
| D021377            |                                   | <0.02                     | 0.006                | 0.2                   | 0.63                | 4                     | <10                  | 60                    | <0.5                  | <2                    | 3.92                | <0.5                  | 8                     | 1                     | 42                    | 2.65                |
| D021378            |                                   | 3.84                      | <0.005               | <0.2                  | 0.88                | <2                    | <10                  | 80                    | 0.6                   | <2                    | 1.72                | <0.5                  | 9                     | 2                     | 3                     | 3.25                |
| D021379            |                                   | 4.21                      | <0.005               | <0.2                  | 0.94                | <2                    | <10                  | 120                   | <0.5                  | <2                    | 1.67                | <0.5                  | 7                     | 2                     | 2                     | 2.75                |
| D021380            |                                   | 3.06                      | <0.005               | <0.2                  | 0.91                | <2                    | <10                  | 150                   | <0.5                  | <2                    | 0.42                | <0.5                  | 3                     | 7                     | 3                     | 1.76                |
| D021381            |                                   | 4.84                      | <0.005               | <0.2                  | 1.39                | <2                    | <10                  | 180                   | <0.5                  | <2                    | 1.09                | <0.5                  | 7                     | 3                     | 1                     | 2.89                |
| D021382            |                                   | 4.92                      | <0.005               | <0.2                  | 1.34                | 5                     | <10                  | 100                   | <0.5                  | <2                    | 0.94                | <0.5                  | 7                     | 3                     | 11                    | 3.04                |
| D021383            |                                   | 4.12                      | 0.007                | <0.2                  | 1.67                | 4                     | <10                  | 210                   | <0.5                  | <2                    | 0.63                | <0.5                  | 7                     | 3                     | 4                     | 3.25                |
| D021384            |                                   | <0.02                     | <0.005               | <0.2                  | 1.80                | <2                    | <10                  | 220                   | <0.5                  | <2                    | 0.67                | <0.5                  | 7                     | 3                     | 2                     | 3.43                |

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Finalized Date: 16-SEP-2007

Account: MINTEX

**CERTIFICATE OF ANALYSIS TR07089172**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41 |
|--------------------|-----------------------------------|-----------|----------|-----------|-----------|-----------|----------|----------|-----------|----------|-----------|----------|-----------|----------|----------|
|                    |                                   | Ga        | Hg       | K         | La        | Mg        | Mn       | Mo       | Na        | Ni       | P         | Pb       | S         | Sb       | Sc       |
|                    |                                   | ppm<br>10 | ppm<br>1 | %<br>0.01 | ppm<br>10 | %<br>0.01 | ppm<br>5 | ppm<br>1 | %<br>0.01 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | ppm<br>2 | ppm<br>1 |
| D021345            |                                   | 10        | <1       | 0.26      | 10        | 1.13      | 930      | <1       | 0.15      | 3        | 1860      | 9        | 0.01      | 6        | 6        |
| D021346            |                                   | 10        | <1       | 0.20      | 10        | 0.88      | 832      | <1       | 0.09      | 2        | 1190      | 11       | 0.02      | <2       | 4        |
| D021347            |                                   | 10        | 1        | 0.20      | 10        | 0.91      | 861      | <1       | 0.08      | 2        | 1210      | 10       | 0.02      | 4        | 4        |
| D021348            |                                   | 10        | <1       | 0.10      | 10        | 1.45      | 937      | <1       | 0.06      | 9        | 1640      | 15       | 0.10      | 2        | 9        |
| D021349            |                                   | 10        | <1       | 0.12      | 10        | 0.82      | 662      | <1       | 0.07      | 2        | 1230      | 12       | 0.02      | 2        | 4        |
| D021350            |                                   | 10        | <1       | 0.15      | 10        | 0.93      | 718      | <1       | 0.10      | 1        | 1410      | 10       | 0.01      | 2        | 4        |
| D021351            |                                   | 10        | <1       | 0.32      | 10        | 0.80      | 759      | <1       | 0.13      | 2        | 1210      | 8        | 0.01      | <2       | 4        |
| D021352            |                                   | <10       | 2        | 0.31      | <10       | 0.93      | 812      | 13       | 0.05      | 594      | 620       | 19       | 1.50      | 11       | 5        |
| D021353            |                                   | 10        | <1       | 0.42      | 10        | 0.78      | 798      | <1       | 0.15      | 2        | 1320      | 10       | 0.01      | <2       | 5        |
| D021354            |                                   | 10        | <1       | 0.68      | 10        | 1.23      | 980      | <1       | 0.12      | 3        | 1370      | 7        | 0.01      | 4        | 6        |
| D021355            |                                   | 10        | <1       | 0.50      | 10        | 0.76      | 727      | <1       | 0.14      | 2        | 1060      | 9        | 0.01      | <2       | 4        |
| D021356            |                                   | 10        | 1        | 0.77      | 10        | 0.84      | 677      | <1       | 0.12      | 2        | 1160      | 6        | 0.01      | 3        | 4        |
| D021357            |                                   | 10        | <1       | 0.76      | 10        | 0.85      | 678      | <1       | 0.12      | 2        | 1180      | 7        | 0.01      | 2        | 4        |
| D021358            |                                   | <10       | <1       | 0.55      | 10        | 0.59      | 556      | <1       | 0.13      | 2        | 670       | 5        | 0.01      | 3        | 3        |
| D021359            |                                   | <10       | <1       | 0.61      | 10        | 0.66      | 590      | <1       | 0.13      | 2        | 750       | 4        | 0.01      | 2        | 4        |
| D021360            |                                   | 10        | 1        | 0.61      | 10        | 0.74      | 745      | <1       | 0.13      | 2        | 840       | 7        | 0.01      | 2        | 5        |
| D021361            |                                   | 10        | 1        | 0.89      | 10        | 0.88      | 840      | <1       | 0.14      | 2        | 1020      | 6        | 0.01      | <2       | 6        |
| D021362            |                                   | 10        | 1        | 0.80      | 20        | 0.77      | 741      | <1       | 0.10      | 2        | 960       | 7        | 0.01      | 2        | 5        |
| D021363            |                                   | <10       | <1       | 0.33      | 10        | 0.49      | 369      | <1       | 0.12      | 3        | 470       | 2        | 0.01      | 3        | 3        |
| D021364            |                                   | 10        | <1       | 0.43      | 20        | 0.76      | 909      | <1       | 0.11      | 2        | 1090      | 10       | 0.01      | <2       | 5        |
| D021365            |                                   | <10       | <1       | 0.49      | 20        | 0.68      | 862      | <1       | 0.12      | 2        | 1070      | 10       | 0.01      | <2       | 5        |
| D021366            |                                   | 10        | 1        | 0.89      | 20        | 0.79      | 1045     | <1       | 0.09      | 2        | 1040      | 16       | 0.01      | 3        | 5        |
| D021367            |                                   | 10        | 1        | 0.98      | 20        | 1.17      | 1280     | <1       | 0.07      | 3        | 1610      | 16       | 0.02      | <2       | 5        |
| D021368            |                                   | 10        | 1        | 0.93      | 10        | 1.10      | 1215     | <1       | 0.08      | 3        | 1440      | 16       | 0.01      | 3        | 5        |
| D021369            |                                   | 10        | <1       | 0.77      | 20        | 0.86      | 1385     | <1       | 0.06      | 2        | 1130      | 18       | 0.02      | 3        | 5        |
| D021370            |                                   | 10        | <1       | 0.81      | 20        | 0.77      | 1035     | <1       | 0.07      | 3        | 1130      | 16       | 0.01      | 3        | 5        |
| D021371            |                                   | <10       | <1       | 0.23      | 20        | 0.70      | 1315     | <1       | 0.04      | 1        | 980       | 24       | 0.10      | <2       | 6        |
| D021372            |                                   | <10       | 1        | 0.24      | <10       | 0.87      | 708      | 8        | 0.04      | 12       | 750       | 11       | 1.73      | 9        | 5        |
| D021373            |                                   | <10       | <1       | 0.10      | 20        | 0.40      | 942      | 1        | 0.03      | 1        | 910       | 46       | 0.06      | 2        | 4        |
| D021374            |                                   | <10       | <1       | 0.15      | 20        | 0.48      | 1285     | <1       | 0.04      | 2        | 1060      | 51       | 0.02      | <2       | 5        |
| D021375            |                                   | <10       | <1       | 0.23      | 20        | 0.60      | 1145     | <1       | 0.03      | 1        | 1060      | 23       | 0.01      | 2        | 4        |
| D021376            |                                   | <10       | <1       | 0.21      | 20        | 0.81      | 1145     | <1       | 0.03      | 2        | 990       | 33       | 0.01      | 3        | 4        |
| D021377            |                                   | <10       | <1       | 0.21      | 20        | 0.81      | 1155     | <1       | 0.03      | 2        | 1000      | 33       | 0.01      | <2       | 4        |
| D021378            |                                   | 10        | <1       | 0.13      | 20        | 0.41      | 1075     | <1       | 0.04      | 2        | 1100      | 44       | 0.01      | 3        | 6        |
| D021379            |                                   | 10        | <1       | 0.40      | 10        | 0.50      | 948      | <1       | 0.04      | 2        | 870       | 23       | 0.01      | 2        | 5        |
| D021380            |                                   | <10       | <1       | 0.37      | 10        | 0.47      | 369      | <1       | 0.12      | 3        | 470       | 3        | <0.01     | 4        | 3        |
| D021381            |                                   | 10        | <1       | 0.82      | 20        | 0.76      | 1035     | <1       | 0.06      | 1        | 940       | 14       | 0.01      | 4        | 4        |
| D021382            |                                   | 10        | <1       | 0.64      | 20        | 0.80      | 988      | <1       | 0.07      | 3        | 1010      | 11       | 0.01      | 3        | 5        |
| D021383            |                                   | 10        | <1       | 1.05      | 20        | 0.97      | 1140     | <1       | 0.06      | 2        | 1130      | 8        | <0.01     | <2       | 5        |
| D021384            |                                   | 10        | <1       | 1.09      | 20        | 1.02      | 1210     | <1       | 0.07      | 2        | 1200      | 10       | 0.01      | 2        | 5        |



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Finalized Date: 16-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089172

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | Cu-AA62   | Cu-AA05    |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|------------|
|                    |                                   | Th        | Ti        | Ti        | U         | V        | W         | Zn       | Cu        | Cu         |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| D021345            |                                   | <20       | 0.17      | <10       | <10       | 84       | <10       | 148      | <0.01     | <0.001     |
| D021346            |                                   | <20       | 0.09      | <10       | <10       | 54       | <10       | 160      | <0.01     | <0.001     |
| D021347            |                                   | <20       | 0.09      | <10       | <10       | 56       | <10       | 167      | <0.01     | 0.001      |
| D021348            |                                   | <20       | 0.11      | <10       | <10       | 90       | <10       | 108      | <0.01     | 0.001      |
| D021349            |                                   | <20       | 0.08      | <10       | <10       | 59       | <10       | 105      | <0.01     | <0.001     |
| D021350            |                                   | <20       | 0.14      | <10       | <10       | 76       | <10       | 112      | <0.01     | <0.001     |
| D021351            |                                   | <20       | 0.15      | <10       | <10       | 73       | <10       | 124      | <0.01     | <0.001     |
| D021352            |                                   | <20       | 0.01      | <10       | <10       | 52       | <10       | 81       | 1.01      | 0.016      |
| D021353            |                                   | <20       | 0.15      | <10       | <10       | 80       | <10       | 118      | <0.01     | 0.001      |
| D021354            |                                   | <20       | 0.24      | <10       | <10       | 125      | <10       | 160      | <0.01     | <0.001     |
| D021355            |                                   | <20       | 0.16      | <10       | <10       | 67       | <10       | 134      | <0.01     | <0.001     |
| D021356            |                                   | <20       | 0.19      | <10       | <10       | 87       | <10       | 115      | <0.01     | <0.001     |
| D021357            |                                   | <20       | 0.19      | <10       | <10       | 88       | <10       | 115      | <0.01     | <0.001     |
| D021358            |                                   | <20       | 0.13      | <10       | <10       | 48       | <10       | 106      | <0.01     | <0.001     |
| D021359            |                                   | <20       | 0.14      | <10       | <10       | 54       | <10       | 111      | <0.01     | <0.001     |
| D021360            |                                   | <20       | 0.14      | <10       | <10       | 59       | <10       | 148      | <0.01     | <0.001     |
| D021361            |                                   | <20       | 0.19      | <10       | <10       | 73       | <10       | 151      | <0.01     | <0.001     |
| D021362            |                                   | <20       | 0.16      | <10       | <10       | 70       | <10       | 121      | <0.01     | <0.001     |
| D021363            |                                   | <20       | 0.10      | <10       | <10       | 37       | <10       | 42       | <0.01     | 0.001      |
| D021364            |                                   | <20       | 0.11      | <10       | <10       | 70       | <10       | 153      | 0.01      | 0.002      |
| D021365            |                                   | <20       | 0.12      | <10       | <10       | 66       | <10       | 125      | <0.01     | <0.001     |
| D021366            |                                   | <20       | 0.16      | <10       | <10       | 74       | <10       | 267      | <0.01     | 0.001      |
| D021367            |                                   | <20       | 0.20      | <10       | <10       | 101      | <10       | 331      | <0.01     | 0.001      |
| D021368            |                                   | <20       | 0.18      | <10       | <10       | 93       | <10       | 316      | 0.01      | 0.001      |
| D021369            |                                   | <20       | 0.13      | <10       | <10       | 78       | <10       | 260      | 0.03      | 0.005      |
| D021370            |                                   | <20       | 0.14      | <10       | <10       | 80       | <10       | 224      | <0.01     | <0.001     |
| D021371            |                                   | <20       | 0.02      | <10       | <10       | 66       | <10       | 306      | 0.18      | 0.022      |
| D021372            |                                   | <20       | 0.02      | <10       | <10       | 41       | 10        | 75       | 0.48      | 0.012      |
| D021373            |                                   | <20       | <0.01     | <10       | <10       | 56       | <10       | 257      | 0.05      | 0.004      |
| D021374            |                                   | <20       | 0.01      | <10       | <10       | 54       | <10       | 276      | <0.01     | 0.001      |
| D021375            |                                   | <20       | <0.01     | <10       | <10       | 42       | <10       | 247      | <0.01     | <0.001     |
| D021376            |                                   | <20       | 0.01      | <10       | <10       | 47       | <10       | 190      | 0.01      | 0.001      |
| D021377            |                                   | <20       | 0.01      | <10       | <10       | 47       | <10       | 191      | 0.01      | 0.001      |
| D021378            |                                   | <20       | 0.01      | <10       | <10       | 63       | <10       | 294      | <0.01     | <0.001     |
| D021379            |                                   | <20       | 0.06      | <10       | <10       | 54       | <10       | 240      | <0.01     | <0.001     |
| D021380            |                                   | <20       | 0.10      | <10       | <10       | 38       | <10       | 43       | <0.01     | <0.001     |
| D021381            |                                   | <20       | 0.14      | <10       | <10       | 71       | <10       | 178      | <0.01     | <0.001     |
| D021382            |                                   | <20       | 0.13      | <10       | <10       | 72       | <10       | 185      | <0.01     | <0.001     |
| D021383            |                                   | <20       | 0.18      | <10       | <10       | 86       | <10       | 188      | <0.01     | <0.001     |
| D021384            |                                   | <20       | 0.19      | <10       | <10       | 90       | <10       | 195      | <0.01     | <0.001     |



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Finalized Date: 16-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089172

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg<br>0.02 | Au-AA23<br>Au<br>ppm<br>0.005 | ME-ICP41<br>Ag<br>ppm<br>0.2 | ME-ICP41<br>Al<br>%<br>0.01 | ME-ICP41<br>As<br>ppm<br>2 | ME-ICP41<br>B<br>ppm<br>10 | ME-ICP41<br>Ba<br>ppm<br>10 | ME-ICP41<br>Be<br>ppm<br>0.5 | ME-ICP41<br>Bi<br>ppm<br>2 | ME-ICP41<br>Ca<br>%<br>0.01 | ME-ICP41<br>Cd<br>ppm<br>0.5 | ME-ICP41<br>Co<br>ppm<br>1 | ME-ICP41<br>Cr<br>ppm<br>1 | ME-ICP41<br>Cu<br>ppm<br>1 | ME-ICP41<br>Fe<br>%<br>0.01 |
|--------------------|-----------------------------------|-----------------------------------|-------------------------------|------------------------------|-----------------------------|----------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|
| D021385            |                                   | 2.66                              | <0.005                        | <0.2                         | 1.27                        | <2                         | <10                        | 260                         | <0.5                         | <2                         | 0.73                        | <0.5                         | 5                          | 5                          | 2                          | 2.24                        |
| D021386            |                                   | 3.67                              | <0.005                        | <0.2                         | 1.41                        | <2                         | <10                        | 280                         | <0.5                         | <2                         | 0.72                        | <0.5                         | 4                          | 6                          | 2                          | 2.38                        |
| D021387            |                                   | 5.06                              | <0.005                        | <0.2                         | 1.69                        | <2                         | <10                        | 370                         | <0.5                         | <2                         | 0.99                        | <0.5                         | 8                          | 8                          | 5                          | 2.87                        |
| D021388            |                                   | 5.28                              | <0.005                        | <0.2                         | 1.60                        | <2                         | <10                        | 370                         | <0.5                         | <2                         | 0.88                        | <0.5                         | 7                          | 6                          | 3                          | 2.76                        |
| D021389            |                                   | 2.70                              | <0.005                        | <0.2                         | 1.38                        | <2                         | <10                        | 330                         | <0.5                         | <2                         | 0.93                        | <0.5                         | 6                          | 5                          | 9                          | 2.45                        |
| D021390            |                                   | 2.32                              | 0.014                         | <0.2                         | 1.76                        | <2                         | <10                        | 690                         | <0.5                         | <2                         | 0.71                        | <0.5                         | 10                         | 6                          | 6                          | 3.44                        |
| D021391            |                                   | 0.15                              | 0.752                         | 2.3                          | 0.71                        | 26                         | <10                        | 90                          | <0.5                         | <2                         | 1.80                        | 0.5                          | 9                          | 29                         | 7220                       | 6.63                        |
| D021392            |                                   | 2.47                              | 0.005                         | <0.2                         | 1.32                        | <2                         | <10                        | 230                         | <0.5                         | <2                         | 0.95                        | <0.5                         | 5                          | 6                          | 5                          | 2.34                        |
| D021393            |                                   | 3.65                              | <0.005                        | <0.2                         | 1.35                        | <2                         | <10                        | 310                         | <0.5                         | <2                         | 0.88                        | <0.5                         | 5                          | 6                          | 2                          | 2.37                        |



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Total # Pages: 4 (A - C)

Finalized Date: 16-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089172

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41<br>Ga<br>ppm<br>10 | ME-ICP41<br>Hg<br>ppm<br>1 | ME-ICP41<br>K<br>%<br>0.01 | ME-ICP41<br>La<br>ppm<br>10 | ME-ICP41<br>Mg<br>%<br>0.01 | ME-ICP41<br>Mn<br>ppm<br>5 | ME-ICP41<br>Mo<br>ppm<br>1 | ME-ICP41<br>Na<br>%<br>0.01 | ME-ICP41<br>Ni<br>ppm<br>1 | ME-ICP41<br>P<br>ppm<br>10 | ME-ICP41<br>Pb<br>ppm<br>2 | ME-ICP41<br>S<br>%<br>0.01 | ME-ICP41<br>Sb<br>ppm<br>2 | ME-ICP41<br>Sc<br>ppm<br>1 | ME-ICP41<br>Sr<br>ppm<br>1 |
|--------------------|-----------------------------------|-----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| D021385            |                                   | 10                          | <1                         | 0.51                       | 10                          | 0.67                        | 469                        | <1                         | 0.11                        | 2                          | 730                        | 6                          | 0.01                       | 3                          | 4                          | 55                         |
| D021386            |                                   | 10                          | <1                         | 0.64                       | 10                          | 0.71                        | 487                        | <1                         | 0.17                        | 3                          | 780                        | 4                          | 0.01                       | <2                         | 4                          | 56                         |
| D021387            |                                   | 10                          | 1                          | 0.77                       | <10                         | 0.96                        | 637                        | <1                         | 0.14                        | 3                          | 1070                       | 6                          | 0.12                       | 3                          | 5                          | 62                         |
| D021388            |                                   | 10                          | <1                         | 0.74                       | <10                         | 0.85                        | 579                        | <1                         | 0.17                        | 4                          | 950                        | 4                          | 0.08                       | 2                          | 5                          | 64                         |
| D021389            |                                   | 10                          | <1                         | 0.60                       | <10                         | 0.76                        | 513                        | 2                          | 0.15                        | 3                          | 940                        | 4                          | 0.06                       | 4                          | 4                          | 59                         |
| D021390            |                                   | 10                          | <1                         | 0.98                       | 10                          | 1.02                        | 526                        | <1                         | 0.12                        | 2                          | 1250                       | 3                          | 0.02                       | 4                          | 4                          | 61                         |
| D021391            |                                   | <10                         | 2                          | 0.27                       | <10                         | 0.85                        | 858                        | 8                          | 0.04                        | 17                         | 620                        | 27                         | 2.74                       | 27                         | 3                          | 64                         |
| D021392            |                                   | 10                          | <1                         | 0.43                       | <10                         | 0.73                        | 436                        | <1                         | 0.14                        | 1                          | 770                        | 5                          | 0.07                       | <2                         | 4                          | 60                         |
| D021393            |                                   | 10                          | <1                         | 0.60                       | <10                         | 0.73                        | 451                        | <1                         | 0.15                        | 3                          | 820                        | 4                          | 0.10                       | 2                          | 4                          | 55                         |



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Finalized Date: 16-SEP-2007

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## CERTIFICATE OF ANALYSIS TR07089172

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | Cu-AA62   | Cu-AA05    |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|------------|
|                    |                                   | Th        | Ti        | Ti        | U         | V        | W         | Zn       | Cu        | Cu         |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| D021385            |                                   | <20       | 0.14      | <10       | <10       | 54       | <10       | 66       | <0.01     | <0.001     |
| D021386            |                                   | <20       | 0.16      | <10       | <10       | 60       | <10       | 67       | <0.01     | <0.001     |
| D021387            |                                   | <20       | 0.20      | <10       | <10       | 74       | <10       | 95       | <0.01     | <0.001     |
| D021388            |                                   | <20       | 0.19      | <10       | <10       | 73       | <10       | 86       | <0.01     | <0.001     |
| D021389            |                                   | <20       | 0.16      | <10       | <10       | 65       | <10       | 73       | <0.01     | <0.001     |
| D021390            |                                   | <20       | 0.23      | <10       | <10       | 90       | <10       | 87       | <0.01     | <0.001     |
| D021391            |                                   | <20       | 0.04      | <10       | <10       | 42       | <10       | 104      | 0.71      | 0.012      |
| D021392            |                                   | <20       | 0.16      | <10       | <10       | 59       | <10       | 57       | <0.01     | <0.001     |
| D021393            |                                   | <20       | 0.16      | <10       | <10       | 61       | <10       | 56       | <0.01     | <0.001     |



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Finalized Date: 5-SEP-2007

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## CERTIFICATE TR07089173

Project:

P.O. No.: E401

This report is for 131 Drill Core samples submitted to our lab in Terrace, BC, Canada on 14-AUG-2007.

The following have access to data associated with this certificate:

VIVIENNE MCLENNAN

BRAD MERCER

STEPHEN QUIN

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| SPL-34   | Pulp Splitting Charge          |
| LOG-22   | Sample login - Rcd w/o BarCode |
| CRU-QC   | Crushing QC Test               |
| PUL-QC   | Pulverizing QC Test            |
| CRU-31   | Fine crushing - 70% <2mm       |
| SPL-21   | Split sample - riffle splitter |
| PUL-31   | Pulverize split to 85% <75 um  |
| LOG-24   | Pulp Login - Rcd w/o Barcode   |
| SPL-21d  | Split sample - duplicate       |
| PUL-31d  | Pulverize Split - duplicate    |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION                    | INSTRUMENT |
|----------|--------------------------------|------------|
| ME-ICP41 | 35 Element Aqua Regia ICP-AES  | ICP-AES    |
| Cu-AA62  | Ore grade Cu - four acid / AAS | AAS        |
| Cu-AA05  | Cu (nonsulfide) - sulfuric     | AAS        |
| Au-AA23  | Au 30g FA-AA finish            | AAS        |

To: MINTO EXPLORATION LTD  
ATTN: VIVIENNE MCLENNAN  
860 - 625 HOWE ST.  
VANCOUVER BC V6C 2T6

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Lawrence Ng, Laboratory Manager - Vancouver



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Total # Pages: 5 (A - C)

Finalized Date: 5-SEP-2007

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## CERTIFICATE OF ANALYSIS TR07089173

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg | Au-AA23<br>Au<br>ppm | ME-ICP41<br>Ag<br>ppm | ME-ICP41<br>Al<br>% | ME-ICP41<br>As<br>ppm | ME-ICP41<br>B<br>ppm | ME-ICP41<br>Ba<br>ppm | ME-ICP41<br>Be<br>ppm | ME-ICP41<br>Bi<br>ppm | ME-ICP41<br>Ca<br>% | ME-ICP41<br>Cd<br>ppm | ME-ICP41<br>Co<br>ppm | ME-ICP41<br>Cr<br>ppm | ME-ICP41<br>Cu<br>ppm | ME-ICP41<br>Fe<br>% |
|--------------------|-----------------------------------|---------------------------|----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
|                    |                                   | 0.02                      | 0.005                | 0.2                   | 0.01                | 2                     | 10                   | 10                    | 0.5                   | 2                     | 0.01                | 0.5                   | 1                     | 1                     | 1                     | 0.01                |
| D013038            |                                   | 3.28                      | <0.005               | <0.2                  | 1.63                | 3                     | <10                  | 260                   | 0.5                   | <2                    | 1.18                | <0.5                  | 9                     | 15                    | 9                     | 2.74                |
| D013039            |                                   | 2.67                      | <0.005               | <0.2                  | 1.52                | <2                    | <10                  | 240                   | <0.5                  | <2                    | 1.06                | <0.5                  | 6                     | 7                     | 4                     | 2.66                |
| D013040            |                                   | 4.40                      | <0.005               | 0.2                   | 1.69                | <2                    | <10                  | 680                   | <0.5                  | <2                    | 1.75                | 0.9                   | 8                     | 3                     | 36                    | 3.13                |
| D013041            |                                   | 3.36                      | <0.005               | <0.2                  | 0.86                | <2                    | <10                  | 170                   | <0.5                  | <2                    | 0.36                | <0.5                  | 4                     | 8                     | 2                     | 1.71                |
| D013042            |                                   | 5.06                      | <0.005               | <0.2                  | 1.45                | 2                     | <10                  | 360                   | <0.5                  | <2                    | 1.24                | 0.8                   | 6                     | 4                     | 4                     | 2.58                |
| D013043            |                                   | 7.61                      | <0.005               | 0.3                   | 1.81                | <2                    | <10                  | 270                   | <0.5                  | <2                    | 0.73                | 0.7                   | 8                     | 6                     | 52                    | 3.31                |
| D013044            |                                   | 7.69                      | <0.005               | 0.2                   | 1.54                | <2                    | <10                  | 140                   | <0.5                  | <2                    | 1.02                | 0.8                   | 7                     | 6                     | 15                    | 2.77                |
| D013045            |                                   | 6.54                      | <0.005               | 0.8                   | 1.74                | <2                    | <10                  | 490                   | 0.6                   | <2                    | 2.21                | 0.8                   | 8                     | 4                     | 50                    | 2.95                |
| D013046            |                                   | <0.02                     | <0.005               | 0.7                   | 1.77                | <2                    | <10                  | 490                   | 0.6                   | <2                    | 2.28                | 0.9                   | 7                     | 5                     | 49                    | 3.00                |
| D013047            |                                   | 0.99                      | <0.005               | <0.2                  | 2.63                | 3                     | <10                  | 210                   | 0.6                   | <2                    | 2.35                | <0.5                  | 17                    | 11                    | 49                    | 4.27                |
| D013048            |                                   | 7.55                      | <0.005               | 0.4                   | 2.28                | <2                    | <10                  | 360                   | <0.5                  | <2                    | 0.82                | 3.0                   | 9                     | 6                     | 98                    | 3.67                |
| D013049            |                                   | 7.40                      | <0.005               | 0.2                   | 1.93                | <2                    | <10                  | 270                   | <0.5                  | <2                    | 0.76                | <0.5                  | 6                     | 5                     | 18                    | 3.00                |
| D013050            |                                   | 6.93                      | <0.005               | <0.2                  | 2.04                | 4                     | <10                  | 230                   | <0.5                  | <2                    | 0.75                | <0.5                  | 7                     | 5                     | 84                    | 3.56                |
| D013051            |                                   | 3.97                      | <0.005               | 0.6                   | 1.91                | <2                    | <10                  | 240                   | <0.5                  | <2                    | 0.63                | 2.5                   | 8                     | 5                     | 211                   | 3.44                |
| D013052            |                                   | 2.96                      | <0.005               | 0.2                   | 1.67                | <2                    | <10                  | 230                   | <0.5                  | <2                    | 0.76                | 2.1                   | 6                     | 6                     | 176                   | 3.06                |
| D013053            |                                   | 0.15                      | 1.810                | 5.6                   | 0.48                | 19                    | <10                  | 70                    | <0.5                  | 2                     | 1.77                | <0.5                  | 10                    | 42                    | >10000                | 10.30               |
| D013054            |                                   | 4.30                      | 0.006                | 0.2                   | 1.70                | <2                    | <10                  | 110                   | <0.5                  | <2                    | 1.62                | 3.8                   | 7                     | 7                     | 202                   | 3.09                |
| D013055            |                                   | 3.47                      | 0.009                | 0.3                   | 3.47                | <2                    | <10                  | 50                    | <0.5                  | <2                    | 4.53                | <0.5                  | 13                    | 5                     | 894                   | 5.89                |
| D013056            |                                   | <0.02                     | 0.009                | 0.3                   | 3.45                | <2                    | <10                  | 40                    | <0.5                  | <2                    | 4.56                | <0.5                  | 13                    | 5                     | 958                   | 5.76                |
| D013057            |                                   | 4.54                      | <0.005               | <0.2                  | 1.48                | <2                    | <10                  | 590                   | <0.5                  | <2                    | 0.68                | <0.5                  | 4                     | 10                    | 6                     | 2.38                |
| D013058            |                                   | 5.26                      | <0.005               | 0.3                   | 1.77                | <2                    | <10                  | 760                   | <0.5                  | <2                    | 1.50                | <0.5                  | 10                    | 8                     | 67                    | 4.60                |
| D013059            |                                   | 2.91                      | <0.005               | <0.2                  | 1.45                | 2                     | <10                  | 540                   | <0.5                  | <2                    | 0.94                | <0.5                  | 5                     | 9                     | 12                    | 2.64                |
| D013060            |                                   | 4.33                      | <0.005               | <0.2                  | 1.43                | 3                     | <10                  | 450                   | <0.5                  | <2                    | 1.12                | <0.5                  | 5                     | 10                    | 2                     | 2.66                |
| D013061            |                                   | 4.71                      | <0.005               | <0.2                  | 0.81                | <2                    | <10                  | 310                   | <0.5                  | <2                    | 0.77                | <0.5                  | 2                     | 9                     | 3                     | 1.58                |
| D013062            |                                   | 2.81                      | <0.005               | <0.2                  | 3.00                | <2                    | <10                  | 70                    | <0.5                  | <2                    | 3.02                | <0.5                  | 11                    | 5                     | 10                    | 5.04                |
| D013063            |                                   | 3.02                      | <0.005               | <0.2                  | 0.87                | 3                     | <10                  | 170                   | <0.5                  | <2                    | 0.41                | <0.5                  | 3                     | 10                    | 2                     | 1.82                |
| D013064            |                                   | 2.74                      | <0.005               | 0.2                   | 2.25                | <2                    | <10                  | 60                    | <0.5                  | <2                    | 2.82                | <0.5                  | 8                     | 6                     | 289                   | 3.85                |
| D013065            |                                   | <0.02                     | <0.005               | 0.2                   | 2.26                | <2                    | <10                  | 60                    | <0.5                  | <2                    | 2.82                | <0.5                  | 8                     | 7                     | 289                   | 3.85                |
| D013066            |                                   | 2.91                      | <0.005               | <0.2                  | 1.60                | <2                    | <10                  | 730                   | <0.5                  | <2                    | 0.91                | <0.5                  | 5                     | 11                    | 2                     | 2.74                |
| D013067            |                                   | 4.39                      | <0.005               | <0.2                  | 1.27                | <2                    | <10                  | 460                   | <0.5                  | <2                    | 0.88                | <0.5                  | 4                     | 10                    | 2                     | 2.32                |
| D013068            |                                   | 5.06                      | <0.005               | <0.2                  | 1.28                | <2                    | <10                  | 390                   | <0.5                  | <2                    | 1.10                | <0.5                  | 4                     | 10                    | 2                     | 2.36                |
| D021394            |                                   | 2.91                      | 0.184                | 2.6                   | 1.64                | 4                     | <10                  | 160                   | <0.5                  | 4                     | 0.26                | <0.5                  | 4                     | 6                     | 7140                  | 3.60                |
| D021395            |                                   | 2.89                      | 0.209                | 2.7                   | 1.44                | 2                     | <10                  | 140                   | <0.5                  | <2                    | 0.16                | <0.5                  | 3                     | 5                     | 6960                  | 3.48                |
| D021396            |                                   | 3.10                      | <0.005               | <0.2                  | 0.95                | <2                    | <10                  | 170                   | <0.5                  | <2                    | 0.39                | <0.5                  | 3                     | 10                    | 15                    | 1.98                |
| D021397            |                                   | 2.76                      | 0.326                | 3.3                   | 1.62                | 3                     | <10                  | 190                   | <0.5                  | <2                    | 0.24                | <0.5                  | 4                     | 5                     | >10000                | 3.34                |
| D021398            |                                   | 0.55                      | 0.640                | 7.8                   | 1.61                | 4                     | <10                  | 360                   | <0.5                  | 8                     | 0.28                | <0.5                  | 5                     | 5                     | >10000                | 3.83                |
| D021399            |                                   | 1.81                      | 0.005                | <0.2                  | 1.55                | 3                     | <10                  | 340                   | <0.5                  | <2                    | 0.38                | <0.5                  | 5                     | 7                     | 93                    | 2.52                |
| D021400            |                                   | 3.07                      | <0.005               | <0.2                  | 1.48                | 2                     | <10                  | 380                   | <0.5                  | <2                    | 0.54                | <0.5                  | 4                     | 7                     | 97                    | 2.40                |
| D021401            |                                   | 2.78                      | <0.005               | 0.2                   | 1.48                | <2                    | <10                  | 330                   | <0.5                  | <2                    | 0.66                | <0.5                  | 5                     | 7                     | 189                   | 2.41                |
| D021402            |                                   | 1.97                      | <0.005               | <0.2                  | 1.40                | 2                     | <10                  | 260                   | <0.5                  | <2                    | 0.76                | <0.5                  | 5                     | 6                     | 15                    | 2.42                |

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Account: MINTEX

**CERTIFICATE OF ANALYSIS TR07089173**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41 |
|--------------------|-----------------------------------|-----------|----------|-----------|-----------|-----------|----------|----------|-----------|----------|-----------|----------|-----------|----------|----------|
|                    |                                   | Ga        | Hg       | K         | La        | Mg        | Mn       | Mo       | Na        | Ni       | P         | Pb       | S         | Sb       | Sc       |
|                    |                                   | ppm<br>10 | ppm<br>1 | %<br>0.01 | ppm<br>10 | %<br>0.01 | ppm<br>5 | ppm<br>1 | %<br>0.01 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | ppm<br>2 | ppm<br>1 |
| D013038            |                                   | 10        | <1       | 0.41      | 10        | 1.28      | 887      | <1       | 0.09      | 18       | 900       | 25       | 0.02      | <2       | 5        |
| D013039            |                                   | 10        | <1       | 0.44      | 10        | 0.89      | 996      | <1       | 0.12      | 1        | 940       | 21       | 0.01      | 3        | 6        |
| D013040            |                                   | 10        | <1       | 0.62      | 20        | 0.86      | 1260     | <1       | 0.03      | 1        | 1290      | 30       | 0.03      | 2        | 4        |
| D013041            |                                   | <10       | <1       | 0.39      | 10        | 0.48      | 361      | <1       | 0.12      | 1        | 490       | 3        | 0.01      | <2       | 3        |
| D013042            |                                   | 10        | <1       | 0.41      | 10        | 0.79      | 925      | <1       | 0.08      | <1       | 850       | 28       | 0.02      | <2       | 4        |
| D013043            |                                   | 10        | 1        | 0.95      | 20        | 1.04      | 1280     | 1        | 0.04      | 4        | 1210      | 50       | <0.01     | <2       | 3        |
| D013044            |                                   | 10        | 1        | 0.58      | 20        | 0.92      | 1210     | <1       | 0.04      | 3        | 1190      | 73       | <0.01     | <2       | 4        |
| D013045            |                                   | 10        | 1        | 0.36      | 20        | 0.99      | 1660     | <1       | <0.01     | 3        | 1360      | 91       | <0.01     | <2       | 3        |
| D013046            |                                   | 10        | <1       | 0.36      | 10        | 0.99      | 1690     | <1       | <0.01     | 2        | 1350      | 93       | <0.01     | <2       | 4        |
| D013047            |                                   | 10        | 1        | 0.38      | 10        | 2.31      | 1005     | <1       | 0.04      | 13       | 1950      | 20       | 0.02      | 4        | 9        |
| D013048            |                                   | 10        | 1        | 1.37      | 20        | 1.37      | 1570     | 1        | 0.02      | 4        | 1360      | 94       | <0.01     | <2       | 4        |
| D013049            |                                   | 10        | 1        | 1.07      | 20        | 1.10      | 1365     | <1       | 0.02      | 1        | 1110      | 94       | <0.01     | <2       | 3        |
| D013050            |                                   | 10        | <1       | 1.08      | 20        | 1.29      | 1640     | 1        | 0.01      | 3        | 1210      | 98       | 0.06      | <2       | 4        |
| D013051            |                                   | 10        | 1        | 1.17      | 20        | 1.21      | 1450     | <1       | 0.02      | 2        | 1080      | 86       | 0.40      | 3        | 5        |
| D013052            |                                   | 10        | 1        | 1.01      | 20        | 1.02      | 1220     | <1       | 0.06      | 3        | 990       | 189      | 0.98      | <2       | 5        |
| D013053            |                                   | <10       | 2        | 0.30      | <10       | 0.83      | 850      | 15       | <0.01     | 18       | 480       | 18       | 3.89      | 28       | 4        |
| D013054            |                                   | 10        | 1        | 1.09      | 20        | 1.15      | 1340     | <1       | 0.03      | 4        | 1080      | 103      | 1.75      | <2       | 5        |
| D013055            |                                   | 10        | <1       | 2.74      | <10       | 2.28      | 2080     | <1       | <0.01     | 5        | 2070      | 13       | 4.04      | 5        | 10       |
| D013056            |                                   | 10        | <1       | 2.82      | <10       | 2.23      | 2030     | <1       | <0.01     | 4        | 2200      | 15       | 4.06      | 4        | 9        |
| D013057            |                                   | 10        | <1       | 0.84      | 10        | 0.69      | 654      | <1       | 0.09      | 2        | 640       | 11       | 0.16      | <2       | 3        |
| D013058            |                                   | 10        | <1       | 1.03      | 20        | 0.93      | 952      | <1       | 0.04      | 3        | 1190      | 10       | 0.37      | 2        | 4        |
| D013059            |                                   | <10       | 1        | 0.78      | 10        | 0.82      | 551      | <1       | 0.09      | 4        | 820       | 4        | 0.27      | <2       | 4        |
| D013060            |                                   | <10       | 1        | 0.77      | 10        | 0.82      | 591      | <1       | 0.10      | 3        | 890       | 3        | 0.26      | 2        | 5        |
| D013061            |                                   | <10       | <1       | 0.46      | <10       | 0.36      | 339      | <1       | 0.05      | 2        | 360       | 6        | 0.27      | 2        | 2        |
| D013062            |                                   | 10        | 1        | 2.36      | 10        | 2.01      | 1850     | <1       | 0.02      | 4        | 1720      | 5        | 2.34      | <2       | 7        |
| D013063            |                                   | <10       | <1       | 0.42      | 10        | 0.50      | 381      | <1       | 0.08      | 3        | 490       | 2        | <0.01     | <2       | 3        |
| D013064            |                                   | 10        | 1        | 1.52      | 10        | 1.56      | 1575     | <1       | 0.02      | 3        | 1370      | 6        | 2.22      | 2        | 6        |
| D013065            |                                   | 10        | <1       | 1.51      | 10        | 1.57      | 1575     | <1       | 0.02      | 3        | 1360      | 4        | 2.22      | 2        | 6        |
| D013066            |                                   | 10        | <1       | 0.89      | 10        | 0.81      | 547      | <1       | 0.12      | 5        | 770       | 3        | 0.27      | 2        | 4        |
| D013067            |                                   | <10       | <1       | 0.67      | 10        | 0.68      | 462      | <1       | 0.11      | 4        | 720       | 2        | 0.21      | <2       | 4        |
| D013068            |                                   | <10       | <1       | 0.63      | 10        | 0.70      | 477      | <1       | 0.12      | 5        | 770       | <2       | 0.25      | <2       | 5        |
| D021394            |                                   | 10        | <1       | 1.10      | 10        | 0.77      | 1110     | <1       | 0.01      | 3        | 910       | 6        | <0.01     | <2       | 5        |
| D021395            |                                   | 10        | 1        | 0.99      | <10       | 0.62      | 880      | <1       | 0.02      | 2        | 700       | 7        | <0.01     | <2       | 4        |
| D021396            |                                   | <10       | <1       | 0.47      | 10        | 0.55      | 413      | <1       | 0.10      | 5        | 540       | 2        | <0.01     | <2       | 3        |
| D021397            |                                   | 10        | 1        | 1.10      | 10        | 0.78      | 1050     | <1       | 0.02      | 2        | 990       | 7        | <0.01     | 2        | 6        |
| D021398            |                                   | 10        | 1        | 1.13      | 10        | 0.92      | 1030     | <1       | <0.01     | 5        | 990       | 5        | <0.01     | 2        | 8        |
| D021399            |                                   | 10        | 1        | 1.01      | 10        | 0.69      | 625      | <1       | 0.06      | 2        | 610       | <2       | <0.01     | <2       | 4        |
| D021400            |                                   | 10        | <1       | 0.92      | 10        | 0.69      | 595      | <1       | 0.06      | 3        | 660       | 3        | <0.01     | <2       | 4        |
| D021401            |                                   | 10        | <1       | 0.80      | 10        | 0.66      | 615      | <1       | 0.05      | 3        | 710       | 2        | <0.01     | <2       | 5        |
| D021402            |                                   | 10        | <1       | 0.73      | 10        | 0.66      | 596      | <1       | 0.04      | 2        | 720       | 2        | <0.01     | <2       | 6        |



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Finalized Date: 5-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089173

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | Cu-AA62   | Cu-AA05    |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|------------|
|                    |                                   | Th        | Ti        | Ti        | U         | V        | W         | Zn       | Cu        | Cu         |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| D013038            |                                   | <20       | 0.16      | <10       | <10       | 66       | <10       | 244      | <0.01     | 0.001      |
| D013039            |                                   | <20       | 0.14      | <10       | <10       | 61       | <10       | 232      | <0.01     | 0.001      |
| D013040            |                                   | <20       | 0.08      | <10       | <10       | 59       | <10       | 526      | <0.01     | 0.001      |
| D013041            |                                   | <20       | 0.10      | <10       | <10       | 35       | <10       | 42       | <0.01     | <0.001     |
| D013042            |                                   | <20       | 0.07      | <10       | <10       | 50       | <10       | 326      | <0.01     | 0.001      |
| D013043            |                                   | <20       | 0.20      | <10       | <10       | 79       | <10       | 712      | <0.01     | 0.002      |
| D013044            |                                   | <20       | 0.19      | <10       | <10       | 72       | <10       | 610      | <0.01     | 0.001      |
| D013045            |                                   | <20       | 0.08      | <10       | <10       | 54       | <10       | 867      | <0.01     | 0.001      |
| D013046            |                                   | <20       | 0.09      | <10       | <10       | 56       | <10       | 876      | <0.01     | 0.001      |
| D013047            |                                   | <20       | 0.25      | <10       | <10       | 104      | <10       | 246      | <0.01     | 0.001      |
| D013048            |                                   | <20       | 0.27      | <10       | <10       | 100      | <10       | 1630     | 0.01      | 0.001      |
| D013049            |                                   | <20       | 0.19      | <10       | <10       | 76       | <10       | 886      | <0.01     | 0.001      |
| D013050            |                                   | <20       | 0.16      | <10       | <10       | 79       | <10       | 794      | <0.01     | 0.001      |
| D013051            |                                   | <20       | 0.19      | <10       | <10       | 85       | <10       | 1170     | 0.02      | 0.001      |
| D013052            |                                   | <20       | 0.18      | <10       | <10       | 77       | <10       | 916      | 0.01      | 0.001      |
| D013053            |                                   | <20       | <0.01     | <10       | <10       | 52       | <10       | 108      | 1.54      | 0.014      |
| D013054            |                                   | <20       | 0.20      | <10       | <10       | 81       | <10       | 1410     | 0.01      | 0.001      |
| D013055            |                                   | <20       | 0.41      | <10       | <10       | 158      | <10       | 921      | 0.08      | 0.001      |
| D013056            |                                   | <20       | 0.42      | <10       | <10       | 161      | <10       | 929      | 0.08      | 0.001      |
| D013057            |                                   | <20       | 0.15      | <10       | <10       | 51       | <10       | 200      | <0.01     | <0.001     |
| D013058            |                                   | <20       | 0.19      | <10       | <10       | 85       | <10       | 173      | <0.01     | 0.001      |
| D013059            |                                   | <20       | 0.19      | <10       | <10       | 59       | <10       | 81       | <0.01     | 0.001      |
| D013060            |                                   | <20       | 0.18      | <10       | <10       | 63       | <10       | 79       | <0.01     | 0.001      |
| D013061            |                                   | <20       | 0.08      | <10       | <10       | 35       | <10       | 49       | <0.01     | <0.001     |
| D013062            |                                   | <20       | 0.38      | <10       | <10       | 134      | <10       | 354      | <0.01     | <0.001     |
| D013063            |                                   | <20       | 0.11      | <10       | <10       | 37       | <10       | 44       | <0.01     | 0.001      |
| D013064            |                                   | <20       | 0.26      | <10       | <10       | 108      | <10       | 381      | 0.02      | 0.001      |
| D013065            |                                   | <20       | 0.26      | <10       | <10       | 108      | <10       | 376      | 0.02      | 0.001      |
| D013066            |                                   | <20       | 0.21      | <10       | <10       | 65       | <10       | 91       | <0.01     | <0.001     |
| D013067            |                                   | <20       | 0.17      | <10       | <10       | 54       | <10       | 62       | <0.01     | <0.001     |
| D013068            |                                   | <20       | 0.16      | <10       | <10       | 55       | <10       | 60       | <0.01     | <0.001     |
| D021394            |                                   | <20       | 0.20      | <10       | <10       | 74       | <10       | 88       | 0.69      | 0.652      |
| D021395            |                                   | <20       | 0.17      | <10       | <10       | 57       | <10       | 118      | 0.70      | 0.609      |
| D021396            |                                   | <20       | 0.11      | <10       | <10       | 41       | <10       | 47       | <0.01     | 0.001      |
| D021397            |                                   | <20       | 0.21      | <10       | <10       | 61       | <10       | 100      | 1.29      | 1.175      |
| D021398            |                                   | <20       | 0.23      | <10       | <10       | 65       | <10       | 114      | 1.97      | 1.760      |
| D021399            |                                   | <20       | 0.19      | <10       | <10       | 62       | <10       | 68       | 0.01      | 0.006      |
| D021400            |                                   | <20       | 0.16      | <10       | <10       | 56       | <10       | 65       | 0.01      | 0.008      |
| D021401            |                                   | <20       | 0.13      | <10       | <10       | 57       | <10       | 69       | 0.01      | 0.015      |
| D021402            |                                   | <20       | 0.13      | <10       | <10       | 54       | <10       | 71       | <0.01     | 0.001      |



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Finalized Date: 5-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089173

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg | Au-AA23<br>Au<br>ppm | ME-ICP41<br>Ag<br>ppm | ME-ICP41<br>Al<br>% | ME-ICP41<br>As<br>ppm | ME-ICP41<br>B<br>ppm | ME-ICP41<br>Ba<br>ppm | ME-ICP41<br>Be<br>ppm | ME-ICP41<br>Bi<br>ppm | ME-ICP41<br>Ca<br>% | ME-ICP41<br>Cd<br>ppm | ME-ICP41<br>Co<br>ppm | ME-ICP41<br>Cr<br>ppm | ME-ICP41<br>Cu<br>ppm | ME-ICP41<br>Fe<br>% |
|--------------------|-----------------------------------|---------------------------|----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
|                    |                                   | 0.02                      | 0.005                | 0.2                   | 0.01                | 2                     | 10                   | 10                    | 0.5                   | 2                     | 0.01                | 0.5                   | 1                     | 1                     | 1                     | 0.01                |
| D021403            |                                   | 2.94                      | 0.048                | 0.3                   | 1.76                | <2                    | <10                  | 310                   | <0.5                  | <2                    | 0.54                | <0.5                  | 7                     | 7                     | 582                   | 3.76                |
| D021404            |                                   | <0.02                     | 0.033                | 0.3                   | 1.79                | 2                     | <10                  | 310                   | <0.5                  | <2                    | 0.55                | <0.5                  | 7                     | 7                     | 600                   | 3.82                |
| D021405            |                                   | 2.68                      | 0.029                | 0.3                   | 1.61                | 2                     | <10                  | 180                   | <0.5                  | <2                    | 0.64                | <0.5                  | 7                     | 7                     | 456                   | 3.32                |
| D021406            |                                   | 3.04                      | 0.015                | <0.2                  | 1.79                | <2                    | <10                  | 380                   | <0.5                  | <2                    | 0.80                | <0.5                  | 8                     | 7                     | 384                   | 3.67                |
| D021407            |                                   | 0.15                      | 0.965                | 4.0                   | 1.29                | 64                    | <10                  | 150                   | <0.5                  | 6                     | 0.70                | 2.7                   | 14                    | 64                    | 3310                  | 4.14                |
| D021408            |                                   | 2.26                      | 0.015                | <0.2                  | 2.01                | <2                    | <10                  | 580                   | <0.5                  | <2                    | 1.95                | <0.5                  | 9                     | 6                     | 724                   | 4.22                |
| D021409            |                                   | 2.43                      | 0.021                | 0.2                   | 2.12                | <2                    | <10                  | 750                   | <0.5                  | <2                    | 1.51                | <0.5                  | 10                    | 7                     | 625                   | 4.50                |
| D021410            |                                   | 4.71                      | <0.005               | <0.2                  | 0.86                | <2                    | <10                  | 170                   | <0.5                  | <2                    | 0.37                | <0.5                  | 3                     | 9                     | 5                     | 1.79                |
| D021411            |                                   | 2.67                      | 0.021                | 0.4                   | 1.66                | <2                    | <10                  | 230                   | <0.5                  | <2                    | 0.38                | <0.5                  | 9                     | 8                     | 1000                  | 3.47                |
| D021412            |                                   | 2.93                      | 0.008                | <0.2                  | 1.75                | 3                     | <10                  | 260                   | <0.5                  | <2                    | 0.58                | <0.5                  | 8                     | 10                    | 259                   | 3.57                |
| D021413            |                                   | <0.02                     | 0.009                | <0.2                  | 1.80                | 2                     | <10                  | 270                   | <0.5                  | <2                    | 0.59                | <0.5                  | 7                     | 10                    | 263                   | 3.64                |
| D021414            |                                   | 0.62                      | 0.005                | <0.2                  | 1.77                | <2                    | <10                  | 480                   | <0.5                  | <2                    | 0.65                | <0.5                  | 8                     | 7                     | 76                    | 3.62                |
| D021415            |                                   | 5.36                      | <0.005               | <0.2                  | 1.55                | <2                    | <10                  | 340                   | <0.5                  | <2                    | 0.90                | <0.5                  | 6                     | 8                     | 14                    | 2.79                |
| D021416            |                                   | 2.80                      | 0.017                | <0.2                  | 1.83                | <2                    | <10                  | 370                   | <0.5                  | <2                    | 0.60                | <0.5                  | 8                     | 7                     | 564                   | 3.58                |
| D021417            |                                   | 0.15                      | 0.349                | 1.4                   | 0.73                | 9                     | <10                  | 130                   | <0.5                  | <2                    | 2.10                | <0.5                  | 8                     | 17                    | 4500                  | 5.23                |
| D021418            |                                   | 1.87                      | <0.005               | <0.2                  | 1.40                | 4                     | <10                  | 400                   | <0.5                  | <2                    | 0.72                | <0.5                  | 6                     | 8                     | 12                    | 2.52                |
| D021419            |                                   | 2.27                      | <0.005               | 0.2                   | 1.31                | 4                     | <10                  | 400                   | <0.5                  | <2                    | 1.25                | <0.5                  | 6                     | 7                     | 77                    | 2.46                |
| D021420            |                                   | 5.61                      | <0.005               | 0.2                   | 1.59                | 6                     | <10                  | 400                   | <0.5                  | <2                    | 0.79                | <0.5                  | 7                     | 7                     | 97                    | 2.79                |
| D021421            |                                   | 5.25                      | <0.005               | <0.2                  | 1.40                | <2                    | <10                  | 220                   | <0.5                  | <2                    | 1.60                | <0.5                  | 7                     | 5                     | 38                    | 2.55                |
| D021422            |                                   | 5.82                      | <0.005               | <0.2                  | 1.54                | 2                     | <10                  | 420                   | <0.5                  | <2                    | 0.64                | <0.5                  | 6                     | 7                     | 72                    | 2.52                |
| D021423            |                                   | 5.90                      | <0.005               | <0.2                  | 1.45                | <2                    | <10                  | 460                   | <0.5                  | <2                    | 0.73                | <0.5                  | 6                     | 8                     | 4                     | 2.38                |
| D021424            |                                   | 6.03                      | <0.005               | <0.2                  | 1.56                | 2                     | <10                  | 500                   | <0.5                  | <2                    | 0.60                | <0.5                  | 6                     | 9                     | 44                    | 2.58                |
| D021425            |                                   | 5.93                      | <0.005               | <0.2                  | 1.66                | <2                    | <10                  | 530                   | <0.5                  | <2                    | 0.69                | <0.5                  | 7                     | 9                     | 178                   | 2.85                |
| D021426            |                                   | 3.04                      | <0.005               | <0.2                  | 0.87                | <2                    | <10                  | 170                   | <0.5                  | <2                    | 0.42                | <0.5                  | 4                     | 10                    | 3                     | 1.81                |
| D021427            |                                   | 3.64                      | <0.005               | <0.2                  | 1.35                | 6                     | <10                  | 110                   | <0.5                  | <2                    | 1.06                | <0.5                  | 6                     | 6                     | 244                   | 2.38                |
| D021428            |                                   | 5.91                      | <0.005               | <0.2                  | 1.49                | 4                     | <10                  | 640                   | <0.5                  | <2                    | 0.46                | <0.5                  | 6                     | 8                     | 18                    | 2.33                |
| D021429            |                                   | 5.86                      | <0.005               | <0.2                  | 1.60                | 4                     | <10                  | 610                   | <0.5                  | <2                    | 0.46                | <0.5                  | 6                     | 10                    | 3                     | 2.57                |
| D021430            |                                   | 6.20                      | <0.005               | <0.2                  | 1.63                | 5                     | <10                  | 670                   | <0.5                  | <2                    | 0.63                | <0.5                  | 6                     | 9                     | 343                   | 2.75                |
| D021431            |                                   | 6.05                      | <0.005               | <0.2                  | 1.52                | <2                    | <10                  | 470                   | <0.5                  | <2                    | 0.55                | <0.5                  | 4                     | 9                     | 32                    | 2.38                |
| D021432            |                                   | <0.02                     | <0.005               | <0.2                  | 1.55                | 2                     | <10                  | 480                   | <0.5                  | <2                    | 0.55                | <0.5                  | 5                     | 9                     | 32                    | 2.41                |
| D021433            |                                   | 5.66                      | <0.005               | <0.2                  | 1.46                | <2                    | <10                  | 390                   | <0.5                  | <2                    | 0.52                | <0.5                  | 6                     | 7                     | 53                    | 2.24                |
| D021434            |                                   | 5.50                      | <0.005               | <0.2                  | 1.52                | <2                    | <10                  | 350                   | <0.5                  | <2                    | 0.73                | <0.5                  | 7                     | 6                     | 133                   | 2.52                |
| D021435            |                                   | 4.34                      | <0.005               | <0.2                  | 1.11                | 2                     | <10                  | 140                   | <0.5                  | <2                    | 0.65                | <0.5                  | 4                     | 7                     | 126                   | 1.67                |
| D021436            |                                   | 2.19                      | 0.125                | 2.5                   | 3.42                | 5                     | 10                   | 40                    | <0.5                  | 9                     | 2.38                | <0.5                  | 25                    | 5                     | >10000                | 4.27                |
| D021437            |                                   | 0.12                      | 1.210                | 3.4                   | 1.14                | 57                    | <10                  | 130                   | <0.5                  | 4                     | 0.66                | 2.5                   | 14                    | 61                    | 3020                  | 3.53                |
| D021438            |                                   | 1.25                      | 0.017                | 0.2                   | 0.05                | 2                     | <10                  | 40                    | <0.5                  | <2                    | 0.22                | <0.5                  | <1                    | 14                    | 300                   | 0.45                |
| D021439            |                                   | 2.17                      | 0.013                | 0.4                   | 1.63                | <2                    | <10                  | 60                    | <0.5                  | <2                    | 1.62                | <0.5                  | 9                     | 6                     | 830                   | 2.01                |
| D021440            |                                   | 1.81                      | 0.082                | 1.9                   | 3.27                | 10                    | <10                  | 70                    | <0.5                  | <2                    | 2.65                | <0.5                  | 17                    | 4                     | 6890                  | 4.62                |
| D021441            |                                   | 3.95                      | <0.005               | <0.2                  | 0.83                | 2                     | <10                  | 150                   | <0.5                  | <2                    | 0.39                | <0.5                  | 5                     | 10                    | 28                    | 1.85                |
| D021442            |                                   | 0.69                      | 0.042                | 1.0                   | 2.76                | 5                     | 10                   | 90                    | 0.5                   | <2                    | 2.31                | <0.5                  | 15                    | 4                     | 4520                  | 3.78                |

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To: MINTO EXPLORATION LTD

860 - 625 HOWE ST.

VANCOUVER BC V6C 2T6

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Finalized Date: 5-SEP-2007

Account: MINTEX

**CERTIFICATE OF ANALYSIS TR07089173**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41 |
|--------------------|-----------------------------------|-----------|----------|-----------|-----------|-----------|----------|----------|-----------|----------|-----------|----------|-----------|----------|----------|
|                    |                                   | Ga        | Hg       | K         | La        | Mg        | Mn       | Mo       | Na        | Ni       | P         | Pb       | S         | Sb       | Sc       |
|                    |                                   | ppm<br>10 | ppm<br>1 | %<br>0.01 | ppm<br>10 | %<br>0.01 | ppm<br>5 | ppm<br>1 | %<br>0.01 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | ppm<br>2 | ppm<br>1 |
| D021403            |                                   | 10        | <1       | 1.05      | 10        | 0.84      | 701      | 3        | 0.09      | 2        | 1020      | 4        | <0.01     | <2       | 5        |
| D021404            |                                   | 10        | <1       | 1.09      | 10        | 0.85      | 706      | 3        | 0.09      | 2        | 1020      | 3        | <0.01     | <2       | 5        |
| D021405            |                                   | 10        | 1        | 0.91      | 10        | 0.75      | 584      | 2        | 0.09      | 3        | 970       | 3        | <0.01     | <2       | 5        |
| D021406            |                                   | 10        | <1       | 1.02      | 10        | 0.84      | 745      | 11       | 0.08      | 3        | 1050      | 2        | 0.01      | <2       | 5        |
| D021407            |                                   | <10       | <1       | 0.46      | 20        | 0.54      | 289      | 204      | 0.03      | 14       | 580       | 120      | 1.67      | 27       | 4        |
| D021408            |                                   | 10        | <1       | 1.12      | 20        | 0.92      | 1170     | 4        | 0.07      | 4        | 1230      | <2       | 0.01      | <2       | 8        |
| D021409            |                                   | 10        | 1        | 1.32      | 10        | 1.07      | 1060     | 2        | 0.08      | 3        | 1390      | 3        | 0.01      | <2       | 8        |
| D021410            |                                   | <10       | <1       | 0.39      | 10        | 0.47      | 363      | <1       | 0.13      | 2        | 480       | <2       | <0.01     | <2       | 3        |
| D021411            |                                   | 10        | <1       | 1.02      | 10        | 0.81      | 553      | 2        | 0.09      | 3        | 980       | 3        | 0.02      | <2       | 5        |
| D021412            |                                   | 10        | <1       | 1.01      | 10        | 0.78      | 584      | 1        | 0.13      | 2        | 980       | 3        | <0.01     | <2       | 4        |
| D021413            |                                   | 10        | 1        | 1.02      | 10        | 0.80      | 596      | 2        | 0.13      | 3        | 1000      | 4        | <0.01     | <2       | 4        |
| D021414            |                                   | 10        | 1        | 1.06      | 10        | 0.89      | 617      | 7        | 0.10      | 3        | 1210      | 2        | <0.01     | <2       | 4        |
| D021415            |                                   | 10        | <1       | 0.71      | 10        | 0.74      | 638      | 1        | 0.12      | 3        | 840       | 2        | <0.01     | <2       | 6        |
| D021416            |                                   | 10        | <1       | 1.07      | 20        | 0.86      | 780      | 1        | 0.11      | 2        | 1020      | 2        | 0.07      | <2       | 5        |
| D021417            |                                   | <10       | 1        | 0.24      | <10       | 0.88      | 725      | 10       | 0.05      | 8        | 730       | 9        | 1.71      | 6        | 5        |
| D021418            |                                   | 10        | <1       | 0.76      | 10        | 0.69      | 601      | 1        | 0.12      | 3        | 710       | <2       | 0.01      | <2       | 4        |
| D021419            |                                   | 10        | <1       | 0.68      | 10        | 0.56      | 590      | 1        | 0.08      | 1        | 670       | 6        | 0.01      | <2       | 5        |
| D021420            |                                   | 10        | <1       | 0.76      | 20        | 0.75      | 556      | 1        | 0.10      | 3        | 750       | <2       | 0.02      | <2       | 5        |
| D021421            |                                   | 10        | 1        | 0.40      | 20        | 0.60      | 578      | 1        | 0.06      | 3        | 710       | 2        | 0.01      | <2       | 6        |
| D021422            |                                   | 10        | 1        | 0.79      | 10        | 0.76      | 546      | <1       | 0.10      | <1       | 880       | <2       | 0.02      | <2       | 3        |
| D021423            |                                   | 10        | <1       | 0.75      | 10        | 0.73      | 668      | 1        | 0.11      | 4        | 700       | <2       | <0.01     | <2       | 4        |
| D021424            |                                   | 10        | <1       | 0.91      | 10        | 0.76      | 669      | <1       | 0.12      | 3        | 750       | <2       | 0.03      | <2       | 6        |
| D021425            |                                   | 10        | <1       | 0.85      | 10        | 0.83      | 655      | 1        | 0.10      | 2        | 750       | <2       | 0.09      | <2       | 5        |
| D021426            |                                   | <10       | <1       | 0.41      | 10        | 0.50      | 386      | 1        | 0.13      | 3        | 480       | <2       | <0.01     | <2       | 3        |
| D021427            |                                   | 10        | 2        | 0.29      | 10        | 0.73      | 465      | 1        | 0.07      | 3        | 820       | 4        | 0.08      | <2       | 4        |
| D021428            |                                   | 10        | 1        | 0.82      | 10        | 0.69      | 545      | 1        | 0.11      | 1        | 620       | <2       | 0.01      | <2       | 4        |
| D021429            |                                   | 10        | <1       | 0.95      | 10        | 0.72      | 612      | 1        | 0.13      | 3        | 640       | 2        | <0.01     | <2       | 5        |
| D021430            |                                   | 10        | <1       | 0.98      | 20        | 0.73      | 674      | 1        | 0.12      | 4        | 760       | <2       | 0.13      | <2       | 5        |
| D021431            |                                   | 10        | <1       | 0.92      | 10        | 0.74      | 453      | <1       | 0.11      | 4        | 1020      | 7        | 0.02      | 3        | 5        |
| D021432            |                                   | 10        | <1       | 0.95      | 10        | 0.76      | 456      | <1       | 0.11      | <1       | 1050      | 2        | 0.02      | <2       | 5        |
| D021433            |                                   | 10        | <1       | 0.84      | <10       | 0.71      | 371      | 2        | 0.12      | 2        | 1140      | 2        | 0.03      | <2       | 5        |
| D021434            |                                   | 10        | <1       | 0.87      | 10        | 0.77      | 407      | 2        | 0.08      | 3        | 1710      | 2        | 0.09      | <2       | 6        |
| D021435            |                                   | 10        | <1       | 0.37      | <10       | 0.56      | 280      | 1        | 0.09      | 1        | 370       | <2       | 0.06      | <2       | 4        |
| D021436            |                                   | 10        | <1       | 0.23      | 30        | 0.95      | 500      | 488      | 0.05      | 3        | 1290      | 6        | 1.93      | <2       | 4        |
| D021437            |                                   | <10       | <1       | 0.42      | 20        | 0.49      | 267      | 191      | 0.02      | 13       | 530       | 107      | 1.47      | 23       | 4        |
| D021438            |                                   | <10       | <1       | 0.02      | <10       | 0.01      | 53       | 3        | <0.01     | 1        | 20        | <2       | 0.03      | <2       | <1       |
| D021439            |                                   | 10        | <1       | 0.14      | <10       | 0.54      | 380      | 5        | 0.02      | 3        | 420       | <2       | 0.07      | 2        | 2        |
| D021440            |                                   | 10        | <1       | 0.22      | 10        | 1.47      | 627      | 148      | 0.04      | 3        | 1230      | 2        | 1.27      | <2       | 6        |
| D021441            |                                   | <10       | <1       | 0.37      | 10        | 0.48      | 383      | 3        | 0.12      | 2        | 530       | <2       | 0.01      | <2       | 3        |
| D021442            |                                   | 10        | <1       | 0.13      | 20        | 1.41      | 534      | 273      | 0.02      | 4        | 1090      | 8        | 1.08      | <2       | 4        |



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## CERTIFICATE OF ANALYSIS TR07089173

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | Cu-AA62   | Cu-AA05    |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|------------|
|                    |                                   | Th        | Ti        | Ti        | U         | V        | W         | Zn       | Cu        | Cu         |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| D021403            |                                   | <20       | 0.21      | <10       | <10       | 79       | <10       | 106      | 0.06      | 0.046      |
| D021404            |                                   | <20       | 0.21      | <10       | <10       | 81       | <10       | 109      | 0.06      | 0.045      |
| D021405            |                                   | <20       | 0.17      | <10       | <10       | 72       | <10       | 104      | 0.04      | 0.034      |
| D021406            |                                   | <20       | 0.21      | <10       | <10       | 79       | <10       | 105      | 0.04      | 0.022      |
| D021407            |                                   | <20       | 0.03      | <10       | <10       | 41       | <10       | 167      | 0.33      | 0.076      |
| D021408            |                                   | <20       | 0.23      | <10       | <10       | 94       | <10       | 103      | 0.07      | 0.041      |
| D021409            |                                   | <20       | 0.27      | <10       | <10       | 105      | <10       | 124      | 0.06      | 0.042      |
| D021410            |                                   | <20       | 0.10      | <10       | <10       | 35       | <10       | 41       | <0.01     | 0.001      |
| D021411            |                                   | <20       | 0.20      | <10       | <10       | 75       | <10       | 114      | 0.10      | 0.080      |
| D021412            |                                   | <20       | 0.19      | <10       | <10       | 75       | <10       | 375      | 0.02      | 0.019      |
| D021413            |                                   | <20       | 0.19      | <10       | <10       | 76       | <10       | 408      | 0.03      | 0.020      |
| D021414            |                                   | <20       | 0.21      | <10       | <10       | 85       | <10       | 90       | <0.01     | 0.005      |
| D021415            |                                   | <20       | 0.15      | <10       | <10       | 63       | <10       | 73       | <0.01     | 0.001      |
| D021416            |                                   | <20       | 0.21      | <10       | <10       | 79       | <10       | 102      | 0.05      | 0.035      |
| D021417            |                                   | <20       | 0.02      | <10       | <10       | 38       | <10       | 71       | 0.47      | 0.017      |
| D021418            |                                   | <20       | 0.16      | <10       | <10       | 59       | <10       | 63       | <0.01     | <0.001     |
| D021419            |                                   | <20       | 0.12      | <10       | <10       | 54       | <10       | 58       | 0.01      | 0.004      |
| D021420            |                                   | <20       | 0.14      | <10       | <10       | 59       | <10       | 64       | 0.01      | 0.005      |
| D021421            |                                   | <20       | 0.05      | <10       | <10       | 47       | <10       | 65       | <0.01     | 0.002      |
| D021422            |                                   | <20       | 0.15      | <10       | <10       | 56       | <10       | 60       | <0.01     | 0.001      |
| D021423            |                                   | <20       | 0.15      | <10       | <10       | 54       | <10       | 62       | <0.01     | 0.001      |
| D021424            |                                   | <20       | 0.16      | <10       | <10       | 57       | <10       | 67       | <0.01     | 0.001      |
| D021425            |                                   | <20       | 0.15      | <10       | <10       | 60       | <10       | 64       | 0.01      | 0.005      |
| D021426            |                                   | <20       | 0.11      | <10       | <10       | 38       | <10       | 42       | <0.01     | <0.001     |
| D021427            |                                   | <20       | 0.04      | <10       | <10       | 40       | <10       | 50       | 0.02      | 0.003      |
| D021428            |                                   | <20       | 0.15      | <10       | <10       | 54       | <10       | 54       | <0.01     | 0.001      |
| D021429            |                                   | <20       | 0.17      | <10       | <10       | 58       | <10       | 59       | <0.01     | <0.001     |
| D021430            |                                   | <20       | 0.18      | <10       | <10       | 61       | <10       | 59       | 0.04      | 0.003      |
| D021431            |                                   | <20       | 0.19      | <10       | <10       | 66       | <10       | 49       | <0.01     | 0.001      |
| D021432            |                                   | <20       | 0.19      | <10       | <10       | 66       | <10       | 49       | 0.01      | 0.001      |
| D021433            |                                   | <20       | 0.18      | <10       | <10       | 60       | <10       | 41       | 0.01      | 0.001      |
| D021434            |                                   | <20       | 0.17      | <10       | <10       | 63       | <10       | 48       | 0.02      | 0.002      |
| D021435            |                                   | <20       | 0.07      | <10       | <10       | 47       | <10       | 32       | 0.01      | 0.002      |
| D021436            |                                   | <20       | 0.02      | <10       | <10       | 63       | <10       | 97       | 1.36      | 0.035      |
| D021437            |                                   | <20       | 0.03      | <10       | <10       | 37       | <10       | 158      | 0.34      | 0.071      |
| D021438            |                                   | <20       | <0.01     | <10       | <10       | 2        | <10       | 2        | 0.03      | 0.006      |
| D021439            |                                   | <20       | 0.01      | <10       | <10       | 40       | <10       | 60       | 0.10      | 0.013      |
| D021440            |                                   | <20       | 0.04      | <10       | <10       | 89       | <10       | 109      | 0.76      | 0.054      |
| D021441            |                                   | <20       | 0.10      | <10       | <10       | 37       | <10       | 40       | <0.01     | 0.001      |
| D021442            |                                   | <20       | 0.02      | <10       | <10       | 70       | <10       | 88       | 0.50      | 0.006      |



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## CERTIFICATE OF ANALYSIS TR07089173

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg | Au-AA23<br>Au<br>ppm | ME-ICP41<br>Ag<br>ppm | ME-ICP41<br>Al<br>% | ME-ICP41<br>As<br>ppm | ME-ICP41<br>B<br>ppm | ME-ICP41<br>Ba<br>ppm | ME-ICP41<br>Be<br>ppm | ME-ICP41<br>Bi<br>ppm | ME-ICP41<br>Ca<br>% | ME-ICP41<br>Cd<br>ppm | ME-ICP41<br>Co<br>ppm | ME-ICP41<br>Cr<br>ppm | ME-ICP41<br>Cu<br>ppm | ME-ICP41<br>Fe<br>% |
|--------------------|-----------------------------------|---------------------------|----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
|                    |                                   | 0.02                      | 0.005                | 0.2                   | 0.01                | 2                     | 10                   | 10                    | 0.5                   | 2                     | 0.01                | 0.5                   | 1                     | 1                     | 1                     | 0.01                |
| D021443            |                                   | 1.53                      | 0.034                | 0.8                   | 1.54                | 10                    | <10                  | 310                   | <0.5                  | <2                    | 1.55                | <0.5                  | 10                    | 5                     | 2820                  | 2.74                |
| D021444            |                                   | 3.00                      | 0.034                | 1.0                   | 1.30                | <2                    | <10                  | 70                    | <0.5                  | <2                    | 1.85                | <0.5                  | 13                    | 4                     | 7160                  | 3.08                |
| D021445            |                                   | <0.02                     | 0.055                | 1.5                   | 1.32                | <2                    | <10                  | 70                    | <0.5                  | <2                    | 1.87                | <0.5                  | 13                    | 4                     | 7230                  | 3.19                |
| D021446            |                                   | 2.37                      | 0.177                | 7.4                   | 2.09                | <2                    | <10                  | 140                   | 0.5                   | <2                    | 2.59                | <0.5                  | 13                    | 5                     | >10000                | 3.32                |
| D021447            |                                   | 1.94                      | <0.005               | <0.2                  | 1.15                | 4                     | <10                  | 140                   | <0.5                  | <2                    | 0.91                | <0.5                  | 4                     | 5                     | 43                    | 1.98                |
| D021448            |                                   | 4.65                      | <0.005               | <0.2                  | 1.20                | 6                     | <10                  | 170                   | <0.5                  | <2                    | 0.89                | <0.5                  | 5                     | 7                     | 25                    | 2.10                |
| D021449            |                                   | 1.15                      | <0.005               | <0.2                  | 0.34                | <2                    | <10                  | 90                    | <0.5                  | <2                    | 0.34                | <0.5                  | <1                    | 5                     | 12                    | 0.45                |
| D021450            |                                   | 2.88                      | <0.005               | <0.2                  | 1.25                | 11                    | <10                  | 180                   | <0.5                  | <2                    | 0.87                | <0.5                  | 9                     | 10                    | 10                    | 2.27                |
| D021451            |                                   | 2.38                      | 0.057                | 1.4                   | 1.66                | <2                    | <10                  | 310                   | <0.5                  | <2                    | 0.90                | 0.7                   | 8                     | 6                     | 4850                  | 3.33                |
| D021452            |                                   | 0.15                      | 1.020                | 3.9                   | 1.25                | 61                    | <10                  | 170                   | <0.5                  | 5                     | 0.72                | 2.8                   | 14                    | 64                    | 3220                  | 3.89                |
| D021453            |                                   | 1.20                      | 0.015                | 0.2                   | 1.27                | 8                     | <10                  | 260                   | <0.5                  | <2                    | 0.32                | <0.5                  | 6                     | 7                     | 784                   | 2.33                |
| D021454            |                                   | 2.65                      | 0.039                | 0.9                   | 1.38                | <2                    | <10                  | 210                   | <0.5                  | <2                    | 0.69                | <0.5                  | 6                     | 6                     | 2200                  | 2.73                |
| D021455            |                                   | 3.62                      | <0.005               | <0.2                  | 0.85                | <2                    | <10                  | 140                   | <0.5                  | <2                    | 0.40                | <0.5                  | 3                     | 9                     | 13                    | 1.72                |
| D021456            |                                   | 3.09                      | <0.005               | 0.3                   | 1.52                | 4                     | <10                  | 170                   | <0.5                  | <2                    | 0.99                | <0.5                  | 7                     | 6                     | 403                   | 2.93                |
| D021457            |                                   | 1.86                      | 0.020                | 0.6                   | 1.58                | <2                    | <10                  | 430                   | <0.5                  | <2                    | 1.02                | <0.5                  | 6                     | 5                     | 667                   | 2.84                |
| D021458            |                                   | 1.31                      | <0.005               | <0.2                  | 1.31                | <2                    | <10                  | 190                   | <0.5                  | <2                    | 0.63                | <0.5                  | 4                     | 5                     | 6                     | 2.11                |
| D021459            |                                   | 3.11                      | 0.035                | 0.4                   | 1.70                | 5                     | <10                  | 170                   | <0.5                  | <2                    | 0.64                | <0.5                  | 8                     | 7                     | 1285                  | 3.96                |
| D021460            |                                   | 2.94                      | 0.025                | 0.2                   | 1.54                | <2                    | <10                  | 190                   | <0.5                  | <2                    | 0.58                | <0.5                  | 8                     | 6                     | 881                   | 3.25                |
| D021461            |                                   | <0.02                     | 0.026                | 0.2                   | 1.65                | <2                    | <10                  | 200                   | <0.5                  | <2                    | 0.62                | <0.5                  | 7                     | 7                     | 924                   | 3.47                |
| D021462            |                                   | 2.20                      | <0.005               | <0.2                  | 1.40                | <2                    | <10                  | 280                   | <0.5                  | <2                    | 0.75                | <0.5                  | 5                     | 7                     | 7                     | 2.37                |
| D021463            |                                   | 3.18                      | <0.005               | <0.2                  | 1.44                | <2                    | <10                  | 280                   | <0.5                  | <2                    | 0.90                | <0.5                  | 7                     | 7                     | 5                     | 2.46                |
| D021464            |                                   | 4.15                      | <0.005               | <0.2                  | 1.40                | 2                     | <10                  | 290                   | <0.5                  | <2                    | 0.75                | <0.5                  | 7                     | 7                     | 11                    | 2.77                |
| D021465            |                                   | 0.87                      | 0.009                | <0.2                  | 1.70                | 3                     | <10                  | 260                   | <0.5                  | <2                    | 1.06                | <0.5                  | 9                     | 6                     | 110                   | 4.01                |
| D021466            |                                   | 0.15                      | 0.352                | 1.3                   | 0.80                | 10                    | <10                  | 140                   | <0.5                  | <2                    | 2.19                | <0.5                  | 8                     | 19                    | 4770                  | 5.45                |
| D021467            |                                   | 4.84                      | <0.005               | <0.2                  | 1.31                | 4                     | <10                  | 210                   | <0.5                  | <2                    | 0.83                | <0.5                  | 5                     | 8                     | 9                     | 2.29                |
| D021468            |                                   | 3.18                      | 0.018                | 0.4                   | 1.68                | <2                    | <10                  | 150                   | <0.5                  | <2                    | 1.12                | <0.5                  | 8                     | 8                     | 872                   | 4.35                |
| D021469            |                                   | 3.04                      | 0.011                | 0.5                   | 1.53                | <2                    | <10                  | 170                   | <0.5                  | <2                    | 0.64                | <0.5                  | 10                    | 7                     | 621                   | 6.39                |
| D021470            |                                   | 2.90                      | 0.005                | 0.2                   | 1.51                | <2                    | <10                  | 90                    | <0.5                  | <2                    | 0.91                | <0.5                  | 8                     | 7                     | 302                   | 3.13                |
| D021471            |                                   | 5.13                      | <0.005               | <0.2                  | 0.96                | 5                     | <10                  | 150                   | <0.5                  | <2                    | 0.45                | <0.5                  | 4                     | 9                     | 6                     | 1.84                |
| D021472            |                                   | 3.07                      | <0.005               | 0.2                   | 1.47                | <2                    | <10                  | 80                    | <0.5                  | <2                    | 0.98                | <0.5                  | 8                     | 7                     | 276                   | 2.73                |
| D021473            |                                   | 3.21                      | 0.010                | 0.4                   | 1.41                | 7                     | <10                  | 80                    | <0.5                  | <2                    | 1.00                | <0.5                  | 8                     | 7                     | 612                   | 2.77                |
| D021474            |                                   | 3.20                      | 0.005                | 0.2                   | 1.45                | <2                    | <10                  | 70                    | 0.5                   | <2                    | 1.29                | <0.5                  | 7                     | 7                     | 241                   | 2.82                |
| D021475            |                                   | 3.11                      | <0.005               | 0.2                   | 1.35                | <2                    | <10                  | 60                    | <0.5                  | <2                    | 1.26                | <0.5                  | 6                     | 7                     | 246                   | 2.70                |
| D021476            |                                   | 2.69                      | 0.008                | 0.3                   | 1.41                | 5                     | <10                  | 40                    | 0.6                   | <2                    | 1.69                | <0.5                  | 7                     | 7                     | 260                   | 2.53                |
| D021477            |                                   | <0.02                     | 0.005                | 0.2                   | 1.23                | 3                     | <10                  | 30                    | 0.6                   | <2                    | 1.45                | <0.5                  | 6                     | 6                     | 230                   | 2.17                |
| D021478            |                                   | 3.32                      | <0.005               | 0.2                   | 1.28                | 2                     | <10                  | 90                    | <0.5                  | <2                    | 1.19                | <0.5                  | 6                     | 7                     | 116                   | 2.40                |
| D021479            |                                   | 0.76                      | <0.005               | <0.2                  | 1.36                | <2                    | <10                  | 70                    | <0.5                  | <2                    | 1.12                | <0.5                  | 6                     | 5                     | 90                    | 2.58                |
| D021480            |                                   | 0.65                      | <0.005               | 0.5                   | 0.50                | 3                     | <10                  | 40                    | 0.5                   | <2                    | 0.65                | <0.5                  | 1                     | 6                     | 42                    | 0.47                |
| D021481            |                                   | 3.25                      | 0.006                | <0.2                  | 1.31                | 3                     | <10                  | 100                   | <0.5                  | <2                    | 1.13                | <0.5                  | 6                     | 7                     | 36                    | 2.44                |
| D021482            |                                   | 3.25                      | <0.005               | <0.2                  | 1.37                | <2                    | <10                  | 210                   | <0.5                  | <2                    | 1.02                | <0.5                  | 6                     | 7                     | 55                    | 2.58                |



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Finalized Date: 5-SEP-2007

Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089173

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | ME-ICP41 |
|--------------------|-----------------------------------|-----------|----------|-----------|-----------|-----------|----------|----------|-----------|----------|-----------|----------|-----------|----------|----------|
|                    |                                   | Ga        | Hg       | K         | La        | Mg        | Mn       | Mo       | Na        | Ni       | P         | Pb       | S         | Sb       | Sc       |
|                    |                                   | ppm<br>10 | ppm<br>1 | %<br>0.01 | ppm<br>10 | %<br>0.01 | ppm<br>5 | ppm<br>1 | %<br>0.01 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | ppm<br>2 | ppm<br>1 |
| D021443            |                                   | 10        | <1       | 0.11      | 10        | 0.84      | 428      | 60       | 0.03      | 2        | 220       | 4        | 0.43      | <2       | 3        |
| D021444            |                                   | 10        | <1       | 0.11      | 20        | 0.55      | 250      | 220      | 0.03      | 3        | 1230      | 4        | 2.18      | <2       | 2        |
| D021445            |                                   | <10       | <1       | 0.11      | 20        | 0.55      | 253      | 228      | 0.03      | 2        | 1270      | 4        | 2.27      | <2       | 2        |
| D021446            |                                   | 10        | <1       | 0.16      | 10        | 0.64      | 355      | 173      | 0.04      | 4        | 1160      | 10       | 1.66      | <2       | 2        |
| D021447            |                                   | 10        | <1       | 0.23      | <10       | 0.49      | 378      | 3        | 0.07      | 4        | 560       | 2        | 0.01      | <2       | 1        |
| D021448            |                                   | 10        | <1       | 0.32      | 10        | 0.63      | 497      | 2        | 0.07      | 1        | 570       | 4        | 0.01      | 2        | 3        |
| D021449            |                                   | <10       | <1       | 0.16      | <10       | 0.05      | 99       | 1        | 0.06      | <1       | 10        | 6        | 0.01      | 4        | <1       |
| D021450            |                                   | 10        | <1       | 0.36      | 10        | 0.64      | 574      | 5        | 0.09      | 5        | 650       | 17       | 0.01      | <2       | 4        |
| D021451            |                                   | 10        | <1       | 0.71      | 20        | 0.93      | 714      | 291      | 0.07      | 6        | 1030      | 5        | 0.51      | <2       | 4        |
| D021452            |                                   | <10       | <1       | 0.45      | 30        | 0.54      | 292      | 211      | 0.03      | 15       | 550       | 118      | 1.63      | 28       | 4        |
| D021453            |                                   | 10        | <1       | 0.56      | 10        | 0.63      | 462      | 2        | 0.08      | 5        | 570       | <2       | 0.06      | <2       | 1        |
| D021454            |                                   | 10        | <1       | 0.69      | 20        | 0.72      | 560      | 1        | 0.10      | <1       | 950       | 2        | 0.17      | <2       | 4        |
| D021455            |                                   | <10       | <1       | 0.41      | 10        | 0.52      | 381      | 1        | 0.11      | 2        | 530       | <2       | <0.01     | <2       | 3        |
| D021456            |                                   | 10        | 1        | 0.68      | 20        | 0.80      | 623      | 2        | 0.09      | 2        | 1020      | 3        | 0.04      | <2       | 4        |
| D021457            |                                   | 10        | <1       | 0.68      | 20        | 0.82      | 697      | 1        | 0.08      | 3        | 1030      | 2        | 0.06      | <2       | 4        |
| D021458            |                                   | 10        | <1       | 0.35      | 10        | 0.62      | 510      | 1        | 0.07      | <1       | 540       | <2       | 0.01      | <2       | 3        |
| D021459            |                                   | 10        | <1       | 0.83      | 10        | 0.88      | 430      | 6        | 0.08      | 3        | 1030      | <2       | 0.36      | <2       | 5        |
| D021460            |                                   | 10        | <1       | 0.79      | 10        | 0.80      | 401      | 16       | 0.09      | 2        | 930       | 2        | 0.37      | <2       | 4        |
| D021461            |                                   | 10        | <1       | 0.84      | 20        | 0.86      | 426      | 17       | 0.10      | 1        | 980       | <2       | 0.39      | <2       | 5        |
| D021462            |                                   | 10        | <1       | 0.77      | 10        | 0.67      | 595      | 1        | 0.12      | 3        | 640       | <2       | 0.01      | <2       | 3        |
| D021463            |                                   | 10        | <1       | 0.67      | 10        | 0.73      | 680      | 1        | 0.13      | 4        | 720       | <2       | 0.01      | 2        | 4        |
| D021464            |                                   | 10        | <1       | 0.60      | 10        | 0.76      | 650      | 1        | 0.10      | 4        | 770       | <2       | 0.01      | <2       | 2        |
| D021465            |                                   | 10        | <1       | 0.56      | 10        | 0.97      | 812      | 1        | 0.09      | 4        | 1140      | 6        | 0.02      | <2       | 4        |
| D021466            |                                   | <10       | <1       | 0.26      | <10       | 0.91      | 755      | 10       | 0.05      | 12       | 790       | 8        | 1.75      | 5        | 5        |
| D021467            |                                   | 10        | <1       | 0.51      | 10        | 0.71      | 638      | 1        | 0.12      | 6        | 730       | <2       | 0.01      | <2       | 5        |
| D021468            |                                   | 10        | <1       | 0.65      | 10        | 0.92      | 1095     | 2        | 0.08      | 5        | 1060      | 4        | 0.05      | 2        | 4        |
| D021469            |                                   | 10        | <1       | 0.99      | 10        | 0.88      | 1420     | 12       | 0.07      | 4        | 810       | 4        | 0.04      | <2       | 4        |
| D021470            |                                   | 10        | <1       | 0.78      | 10        | 0.82      | 1200     | 4        | 0.10      | 2        | 1080      | 4        | 0.02      | <2       | 4        |
| D021471            |                                   | <10       | <1       | 0.42      | 10        | 0.52      | 400      | <1       | 0.15      | 2        | 510       | <2       | 0.01      | <2       | 3        |
| D021472            |                                   | 10        | <1       | 0.75      | 10        | 0.82      | 1100     | 4        | 0.12      | 3        | 1060      | 3        | 0.02      | <2       | 4        |
| D021473            |                                   | 10        | <1       | 0.68      | 20        | 0.80      | 1190     | 2        | 0.11      | 2        | 1090      | 5        | 0.04      | <2       | 4        |
| D021474            |                                   | 10        | <1       | 0.46      | 20        | 0.79      | 985      | 1        | 0.10      | 3        | 990       | <2       | 0.02      | <2       | 4        |
| D021475            |                                   | 10        | <1       | 0.43      | 10        | 0.76      | 947      | 1        | 0.08      | 4        | 950       | 2        | 0.02      | <2       | 4        |
| D021476            |                                   | 10        | <1       | 0.19      | 20        | 0.78      | 832      | 1        | 0.09      | 3        | 1080      | 7        | 0.02      | <2       | 4        |
| D021477            |                                   | 10        | <1       | 0.17      | 10        | 0.67      | 716      | 1        | 0.07      | 1        | 920       | 2        | 0.01      | <2       | 4        |
| D021478            |                                   | 10        | <1       | 0.45      | 20        | 0.74      | 700      | 1        | 0.13      | 2        | 1050      | 3        | 0.01      | <2       | 5        |
| D021479            |                                   | 10        | <1       | 0.28      | 10        | 0.75      | 713      | 1        | 0.12      | 1        | 950       | 5        | 0.01      | <2       | 4        |
| D021480            |                                   | <10       | <1       | 0.14      | <10       | 0.06      | 104      | 1        | 0.06      | 2        | 10        | 7        | 0.01      | <2       | 1        |
| D021481            |                                   | 10        | <1       | 0.42      | 10        | 0.73      | 641      | 1        | 0.10      | 3        | 1030      | 2        | 0.01      | 3        | 4        |
| D021482            |                                   | 10        | <1       | 0.52      | 20        | 0.73      | 647      | 1        | 0.12      | 4        | 960       | 2        | 0.01      | 2        | 4        |



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Account: MINTEX

## CERTIFICATE OF ANALYSIS TR07089173

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | Cu-AA62   | Cu-AA05    |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|------------|
|                    |                                   | Th        | Ti        | Ti        | U         | V        | W         | Zn       | Cu        | Cu         |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| D021443            |                                   | <20       | 0.01      | <10       | <10       | 65       | <10       | 68       | 0.30      | 0.008      |
| D021444            |                                   | <20       | 0.02      | <10       | <10       | 51       | <10       | 51       | 0.75      | 0.011      |
| D021445            |                                   | <20       | 0.02      | <10       | <10       | 52       | <10       | 52       | 0.76      | 0.011      |
| D021446            |                                   | <20       | 0.02      | <10       | <10       | 79       | <10       | 65       | 1.33      | 0.050      |
| D021447            |                                   | <20       | 0.03      | <10       | <10       | 36       | <10       | 53       | <0.01     | 0.001      |
| D021448            |                                   | <20       | 0.06      | <10       | <10       | 41       | <10       | 71       | <0.01     | 0.001      |
| D021449            |                                   | <20       | <0.01     | <10       | <10       | 5        | <10       | 8        | <0.01     | <0.001     |
| D021450            |                                   | <20       | 0.07      | <10       | <10       | 44       | <10       | 81       | <0.01     | 0.001      |
| D021451            |                                   | <20       | 0.14      | <10       | <10       | 71       | <10       | 305      | 0.51      | 0.026      |
| D021452            |                                   | <20       | 0.03      | <10       | <10       | 40       | <10       | 162      | 0.34      | 0.075      |
| D021453            |                                   | <20       | 0.11      | <10       | <10       | 48       | <10       | 99       | 0.08      | 0.012      |
| D021454            |                                   | <20       | 0.15      | <10       | <10       | 63       | <10       | 103      | 0.23      | 0.032      |
| D021455            |                                   | <20       | 0.11      | <10       | <10       | 36       | <10       | 43       | <0.01     | <0.001     |
| D021456            |                                   | <20       | 0.13      | <10       | <10       | 70       | <10       | 102      | 0.05      | 0.005      |
| D021457            |                                   | <20       | 0.13      | <10       | <10       | 65       | <10       | 91       | 0.07      | 0.007      |
| D021458            |                                   | <20       | 0.07      | <10       | <10       | 39       | <10       | 67       | <0.01     | <0.001     |
| D021459            |                                   | <20       | 0.16      | <10       | <10       | 76       | <10       | 74       | 0.14      | 0.005      |
| D021460            |                                   | <20       | 0.15      | 10        | <10       | 68       | <10       | 62       | 0.10      | 0.004      |
| D021461            |                                   | <20       | 0.16      | <10       | <10       | 71       | <10       | 65       | 0.10      | 0.004      |
| D021462            |                                   | <20       | 0.15      | <10       | <10       | 52       | <10       | 74       | <0.01     | <0.001     |
| D021463            |                                   | <20       | 0.15      | <10       | <10       | 53       | <10       | 77       | <0.01     | <0.001     |
| D021464            |                                   | <20       | 0.15      | <10       | <10       | 62       | <10       | 83       | <0.01     | <0.001     |
| D021465            |                                   | <20       | 0.20      | <10       | <10       | 86       | <10       | 110      | 0.01      | 0.001      |
| D021466            |                                   | <20       | 0.02      | <10       | <10       | 41       | <10       | 72       | 0.49      | 0.017      |
| D021467            |                                   | <20       | 0.15      | <10       | <10       | 51       | <10       | 68       | <0.01     | <0.001     |
| D021468            |                                   | <20       | 0.23      | <10       | <10       | 82       | <10       | 115      | 0.09      | 0.016      |
| D021469            |                                   | <20       | 0.23      | <10       | <10       | 115      | <10       | 132      | 0.06      | 0.010      |
| D021470            |                                   | <20       | 0.20      | 10        | <10       | 70       | <10       | 96       | 0.03      | 0.005      |
| D021471            |                                   | <20       | 0.11      | <10       | <10       | 37       | <10       | 43       | <0.01     | <0.001     |
| D021472            |                                   | <20       | 0.19      | <10       | <10       | 67       | <10       | 87       | 0.03      | 0.006      |
| D021473            |                                   | <20       | 0.19      | <10       | <10       | 67       | <10       | 102      | 0.06      | 0.012      |
| D021474            |                                   | <20       | 0.18      | <10       | <10       | 69       | <10       | 79       | 0.02      | 0.005      |
| D021475            |                                   | <20       | 0.17      | <10       | <10       | 66       | <10       | 77       | 0.02      | 0.005      |
| D021476            |                                   | <20       | 0.16      | <10       | <10       | 63       | <10       | 70       | 0.03      | 0.005      |
| D021477            |                                   | <20       | 0.14      | <10       | <10       | 55       | <10       | 62       | 0.03      | 0.005      |
| D021478            |                                   | <20       | 0.16      | <10       | <10       | 62       | <10       | 59       | 0.01      | 0.002      |
| D021479            |                                   | <20       | 0.17      | <10       | <10       | 63       | <10       | 63       | 0.01      | 0.002      |
| D021480            |                                   | <20       | 0.01      | <10       | <10       | 9        | <10       | 8        | 0.01      | 0.001      |
| D021481            |                                   | <20       | 0.14      | <10       | <10       | 59       | <10       | 58       | 0.01      | 0.001      |
| D021482            |                                   | <20       | 0.14      | <10       | <10       | 61       | <10       | 63       | 0.01      | 0.001      |



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## CERTIFICATE OF ANALYSIS TR07089173

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI-21<br>Recvd Wt.<br>kg | Au-AA23<br>Au<br>ppm | ME-ICP41<br>Ag<br>ppm | ME-ICP41<br>Al<br>% | ME-ICP41<br>As<br>ppm | ME-ICP41<br>B<br>ppm | ME-ICP41<br>Ba<br>ppm | ME-ICP41<br>Be<br>ppm | ME-ICP41<br>Bi<br>ppm | ME-ICP41<br>Ca<br>% | ME-ICP41<br>Cd<br>ppm | ME-ICP41<br>Co<br>ppm | ME-ICP41<br>Cr<br>ppm | ME-ICP41<br>Cu<br>ppm | ME-ICP41<br>Fe<br>% |
|--------------------|-----------------------------------|---------------------------|----------------------|-----------------------|---------------------|-----------------------|----------------------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
|                    |                                   | 0.02                      | 0.005                | 0.2                   | 0.01                | 2                     | 10                   | 10                    | 0.5                   | 2                     | 0.01                | 0.5                   | 1                     | 1                     | 1                     | 0.01                |
| D021483            |                                   | 0.15                      | 0.345                | 1.2                   | 0.79                | 3                     | <10                  | 130                   | <0.5                  | <2                    | 2.20                | <0.5                  | 9                     | 20                    | 4850                  | 5.46                |
| D021484            |                                   | 3.41                      | 0.009                | 0.2                   | 1.37                | 2                     | <10                  | 110                   | 0.5                   | <2                    | 1.29                | <0.5                  | 6                     | 7                     | 181                   | 2.62                |
| D021485            |                                   | 3.55                      | 0.006                | 0.3                   | 1.28                | <2                    | <10                  | 100                   | <0.5                  | <2                    | 1.01                | <0.5                  | 7                     | 8                     | 370                   | 2.69                |
| D021486            |                                   | 3.47                      | <0.005               | <0.2                  | 0.89                | 2                     | <10                  | 150                   | <0.5                  | <2                    | 0.47                | <0.5                  | 4                     | 8                     | 4                     | 1.83                |
| D021487            |                                   | 1.53                      | <0.005               | <0.2                  | 1.53                | 3                     | <10                  | 310                   | <0.5                  | <2                    | 0.62                | <0.5                  | 6                     | 7                     | 12                    | 2.53                |
| D021488            |                                   | 3.18                      | 0.005                | 0.4                   | 1.55                | 3                     | <10                  | 170                   | <0.5                  | <2                    | 0.81                | <0.5                  | 7                     | 8                     | 328                   | 2.72                |
| D021489            |                                   | 3.18                      | <0.005               | 0.3                   | 1.45                | <2                    | <10                  | 190                   | <0.5                  | <2                    | 0.75                | <0.5                  | 8                     | 7                     | 489                   | 2.49                |
| D021490            |                                   | <0.02                     | <0.005               | 0.2                   | 1.49                | 4                     | <10                  | 190                   | <0.5                  | <2                    | 0.76                | <0.5                  | 8                     | 7                     | 496                   | 2.54                |
| D021491            |                                   | 4.00                      | 0.008                | 0.2                   | 1.66                | <2                    | <10                  | 140                   | <0.5                  | <2                    | 1.15                | <0.5                  | 7                     | 9                     | 32                    | 2.84                |
| D021492            |                                   | 2.15                      | <0.005               | <0.2                  | 1.28                | 4                     | <10                  | 240                   | <0.5                  | <2                    | 0.75                | <0.5                  | 6                     | 6                     | 3                     | 2.25                |
| D021493            |                                   | 3.29                      | <0.005               | <0.2                  | 1.45                | 2                     | <10                  | 250                   | <0.5                  | <2                    | 0.93                | <0.5                  | 6                     | 8                     | 3                     | 2.35                |



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## CERTIFICATE OF ANALYSIS TR07089173

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41<br>Ga<br>ppm<br>10 | ME-ICP41<br>Hg<br>ppm<br>1 | ME-ICP41<br>K<br>%<br>0.01 | ME-ICP41<br>La<br>ppm<br>10 | ME-ICP41<br>Mg<br>%<br>0.01 | ME-ICP41<br>Mn<br>ppm<br>5 | ME-ICP41<br>Mo<br>ppm<br>1 | ME-ICP41<br>Na<br>%<br>0.01 | ME-ICP41<br>Ni<br>ppm<br>1 | ME-ICP41<br>P<br>ppm<br>10 | ME-ICP41<br>Pb<br>ppm<br>2 | ME-ICP41<br>S<br>%<br>0.01 | ME-ICP41<br>Sb<br>ppm<br>2 | ME-ICP41<br>Sc<br>ppm<br>1 | ME-ICP41<br>Sr<br>ppm<br>1 |
|--------------------|-----------------------------------|-----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|----------------------------|----------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| D021483            |                                   | <10                         | <1                         | 0.26                       | <10                         | 0.92                        | 758                        | 10                         | 0.05                        | 9                          | 800                        | 6                          | 1.79                       | 7                          | 5                          | 190                        |
| D021484            |                                   | 10                          | <1                         | 0.44                       | 20                          | 0.69                        | 717                        | 1                          | 0.14                        | 3                          | 1050                       | <2                         | 0.02                       | <2                         | 5                          | 60                         |
| D021485            |                                   | 10                          | <1                         | 0.58                       | 20                          | 0.68                        | 942                        | 1                          | 0.10                        | 2                          | 960                        | <2                         | 0.03                       | <2                         | 4                          | 48                         |
| D021486            |                                   | <10                         | <1                         | 0.38                       | 10                          | 0.50                        | 394                        | 1                          | 0.13                        | 3                          | 480                        | <2                         | 0.01                       | 2                          | 3                          | 38                         |
| D021487            |                                   | 10                          | <1                         | 0.91                       | 10                          | 0.77                        | 683                        | 1                          | 0.10                        | 4                          | 770                        | <2                         | 0.01                       | <2                         | 3                          | 49                         |
| D021488            |                                   | 10                          | <1                         | 0.87                       | 20                          | 0.81                        | 819                        | 5                          | 0.08                        | 1                          | 960                        | <2                         | 0.04                       | 3                          | 3                          | 49                         |
| D021489            |                                   | 10                          | <1                         | 0.77                       | 20                          | 0.71                        | 785                        | 99                         | 0.05                        | 2                          | 860                        | 3                          | 0.08                       | <2                         | 4                          | 41                         |
| D021490            |                                   | 10                          | <1                         | 0.78                       | 20                          | 0.73                        | 806                        | 107                        | 0.05                        | 1                          | 860                        | 3                          | 0.08                       | <2                         | 4                          | 42                         |
| D021491            |                                   | 10                          | <1                         | 0.39                       | 20                          | 0.84                        | 919                        | 3                          | 0.06                        | 3                          | 940                        | 2                          | <0.01                      | <2                         | 4                          | 61                         |
| D021492            |                                   | 10                          | 1                          | 0.56                       | 10                          | 0.65                        | 573                        | 1                          | 0.07                        | 2                          | 630                        | <2                         | <0.01                      | <2                         | 3                          | 45                         |
| D021493            |                                   | 10                          | <1                         | 0.55                       | 10                          | 0.72                        | 632                        | 2                          | 0.08                        | 2                          | 670                        | 3                          | <0.01                      | <2                         | 5                          | 50                         |

**ALS Chemex**

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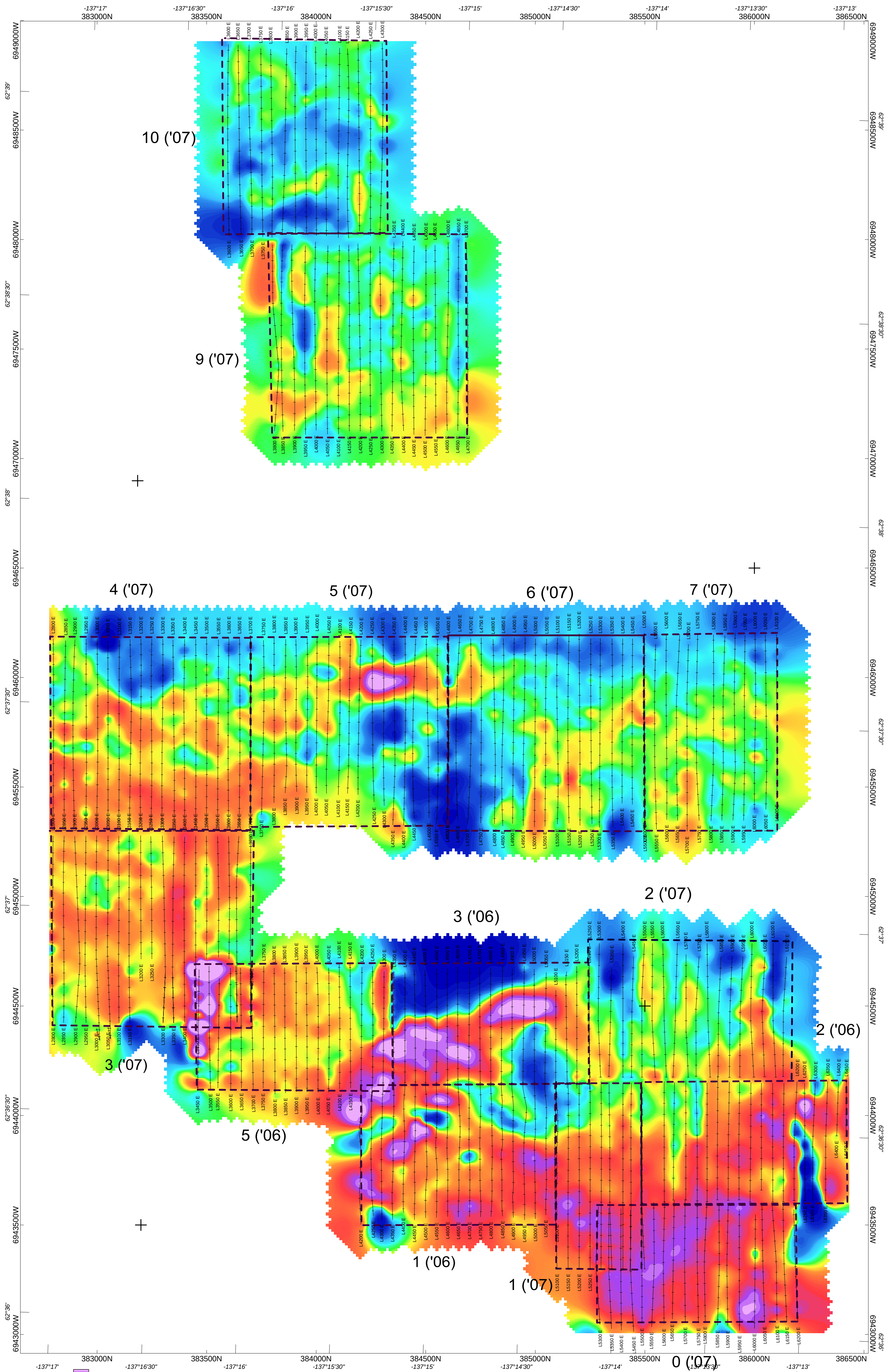
Total # Pages: 5 (A - C)

Finalized Date: 5-SEP-2007

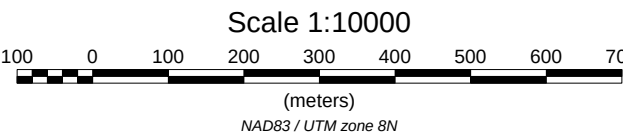
Account: MINTEX

**CERTIFICATE OF ANALYSIS TR07089173**

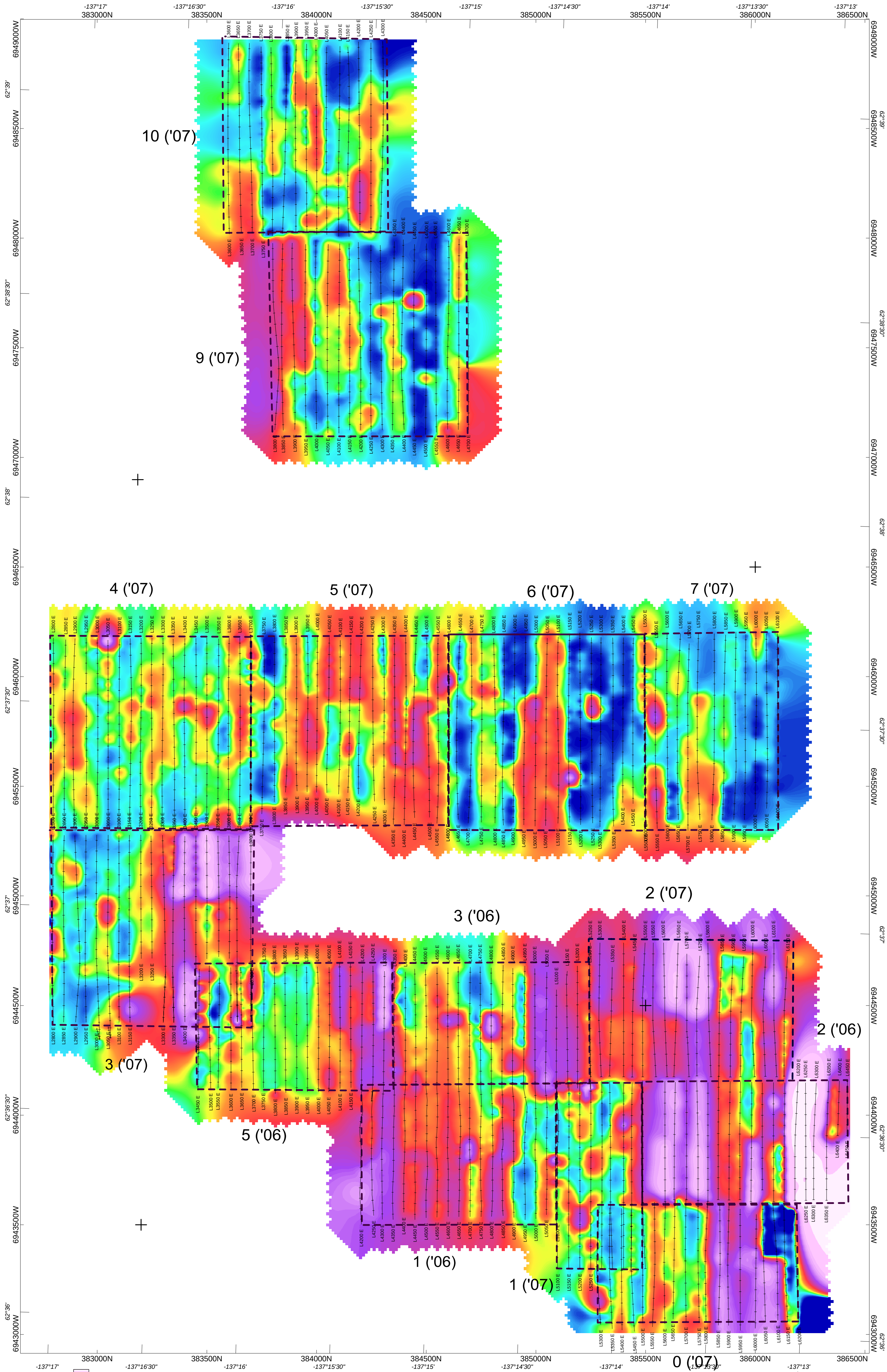
| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41  | ME-ICP41 | ME-ICP41  | ME-ICP41 | Cu-AA62   | Cu-AA05    |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|----------|-----------|----------|-----------|------------|
|                    |                                   | Th        | Ti        | Ti        | U         | V        | W         | Zn       | Cu        | Cu         |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1 | ppm<br>10 | ppm<br>2 | %<br>0.01 | %<br>0.001 |
| D021483            |                                   | <20       | 0.02      | 10        | <10       | 41       | <10       | 75       | 0.50      | 0.010      |
| D021484            |                                   | <20       | 0.12      | 10        | <10       | 61       | <10       | 56       | 0.02      | 0.004      |
| D021485            |                                   | <20       | 0.13      | <10       | <10       | 64       | <10       | 93       | 0.04      | 0.007      |
| D021486            |                                   | <20       | 0.11      | <10       | <10       | 38       | <10       | 43       | <0.01     | <0.001     |
| D021487            |                                   | <20       | 0.16      | <10       | <10       | 58       | <10       | 80       | <0.01     | <0.001     |
| D021488            |                                   | <20       | 0.17      | <10       | <10       | 67       | <10       | 104      | 0.04      | 0.003      |
| D021489            |                                   | <20       | 0.15      | <10       | <10       | 63       | <10       | 97       | 0.05      | 0.002      |
| D021490            |                                   | <20       | 0.15      | <10       | <10       | 65       | <10       | 99       | 0.05      | 0.002      |
| D021491            |                                   | <20       | 0.08      | <10       | <10       | 58       | <10       | 98       | <0.01     | <0.001     |
| D021492            |                                   | <20       | 0.12      | <10       | <10       | 47       | <10       | 72       | <0.01     | 0.001      |
| D021493            |                                   | <20       | 0.15      | <10       | <10       | 53       | <10       | 70       | <0.01     | <0.001     |



PRELIMINARY



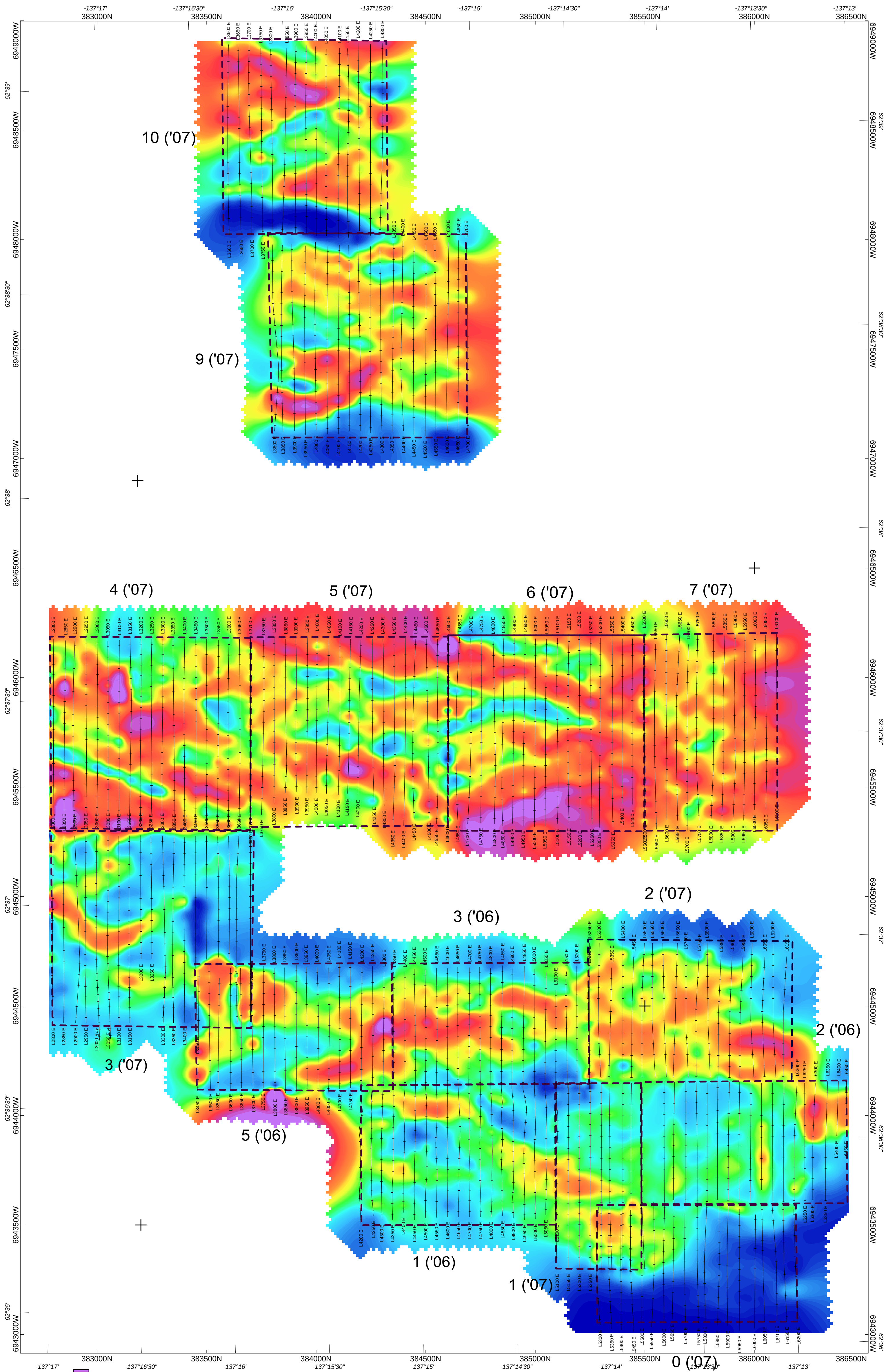
|                                                                      |
|----------------------------------------------------------------------|
| Sherwood Copper                                                      |
| MINTO GRID COMPILATION<br>App Chargeability<br>Minto Exploration     |
| Minto Mining District, Yukon Territory<br>Drawn by: ID   August 2007 |
| AURORA GEOSCIENCES                                                   |



PRELIMINARY

Apparent Chargeability Error (mV/V)

|                                                                        |
|------------------------------------------------------------------------|
| Sherwood Copper                                                        |
| MINTO GRID COMPILATION<br>App Chargeability Error<br>Minto Exploration |
| Minto Mining District, Yukon Territory<br>Drawn by: ID   August 2007   |
| AURORA GEOSCIENCES                                                     |



PRELIMINARY

