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**ASSESSMENT REPORT**

describing

**SOIL AND ROCK GEOCHEMICAL SAMPLING**

at the

**GRAM PROPERTY**

Gram 1-24      YC52446-YC62469  
Gram 25-42    YC68104-YC68121

NTS 105M/14 & 15  
Latitude 63°56'N; Longitude 135°00'W

located in the

Mayo Mining District  
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

**MILL CITY GOLD CORP.**  
and  
**ROCKHAVEN RESOURCES LTD.**

by

S. Eaton, B.Sc., GIT

November 2011

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## **INTRODUCTION**

The Gram property was originally staked to cover a silver-lead vein occurrence and nearby multi-element soil geochemical anomalies. The property is owned by Richard A. Ewing on behalf of the Hinton Syndicate. Mr. Ewing holds the claims in trust for Rockhaven Resources Ltd. until the underlying option is completed. Mill City Gold Corp. has sub-optioned the claims from Rockhaven Resources.

This report describes soil and rock geochemical sampling and prospecting conducted on September 3 and 4, 2011 by Archer, Cathro and Associates (1981) Limited on behalf of Mill City. The author participated in and directed this project and her Statement of Qualifications is in Appendix I.

## **PROPERTY LOCATION, CLAIM DATA AND ACCESS**

The Gram property is located in central Yukon at latitude 63°56' north and longitude 135°00' west on NTS map sheets 105M/14 and 105M/15 (Figure 1). It comprises 42 contiguous quartz claims that cover an area of about 850 hectares (8.5 km<sup>2</sup>). The claims are registered with the Mayo Mining Recorder in the name of Richard A. Ewing. Specifics concerning claim registration are tabulated below, while the locations of individual claims are shown on Figure 2.

| <u>Claim Name</u> | <u>Grant Number</u> | <u>Expiry Date*</u> |
|-------------------|---------------------|---------------------|
| Gram 1-24         | YC52446-YC62469     | November 1, 2015    |
| Gram 25-42        | YC68104-YC68121     | November 1, 2015    |

\* Expiry date includes 2011 work which has been filed for assessment credit but not yet accepted.

Daily access to and from the property was provided by a Bell 206B helicopter operated by Peak Helicopters from a seasonal base at Halfway Lakes, which is located approximately 40 km west-southwest of the property. All personnel stayed at the Bedrock Motel in the village of Mayo, which is situated 55 km southwest of the property and 25 km south-southwest of Halfway Lakes.

Mayo is the nearest supply centre. The community of Keno City is situated 49 km by road northeast of Mayo and 14 km by air west of the property. Mayo and Keno City can be reached in all seasons by two wheel drive vehicles using the Yukon highway system. The closest seasonal road access is from a dirt road that extends from Keno City to the Marg property. This road passes two kilometres northwest of the Gram property.

## **HISTORY AND PREVIOUS WORK**

In 1964, the Geological Survey of Canada (GSC) completed a reconnaissance-scale stream sediment and water sampling survey on parts of NTS map sheet 105M (Gleeson, 1965).

In 1965, United Keno Hill Mines Ltd. staked the VU property (V 1 to 8, U 1 to 6 and VU 1 to 25 claims) after conducting follow-up prospecting of elevated silver and lead results from the GSC survey (Van Tassell, 1965). The VU property partly overlapped the southern half of the current

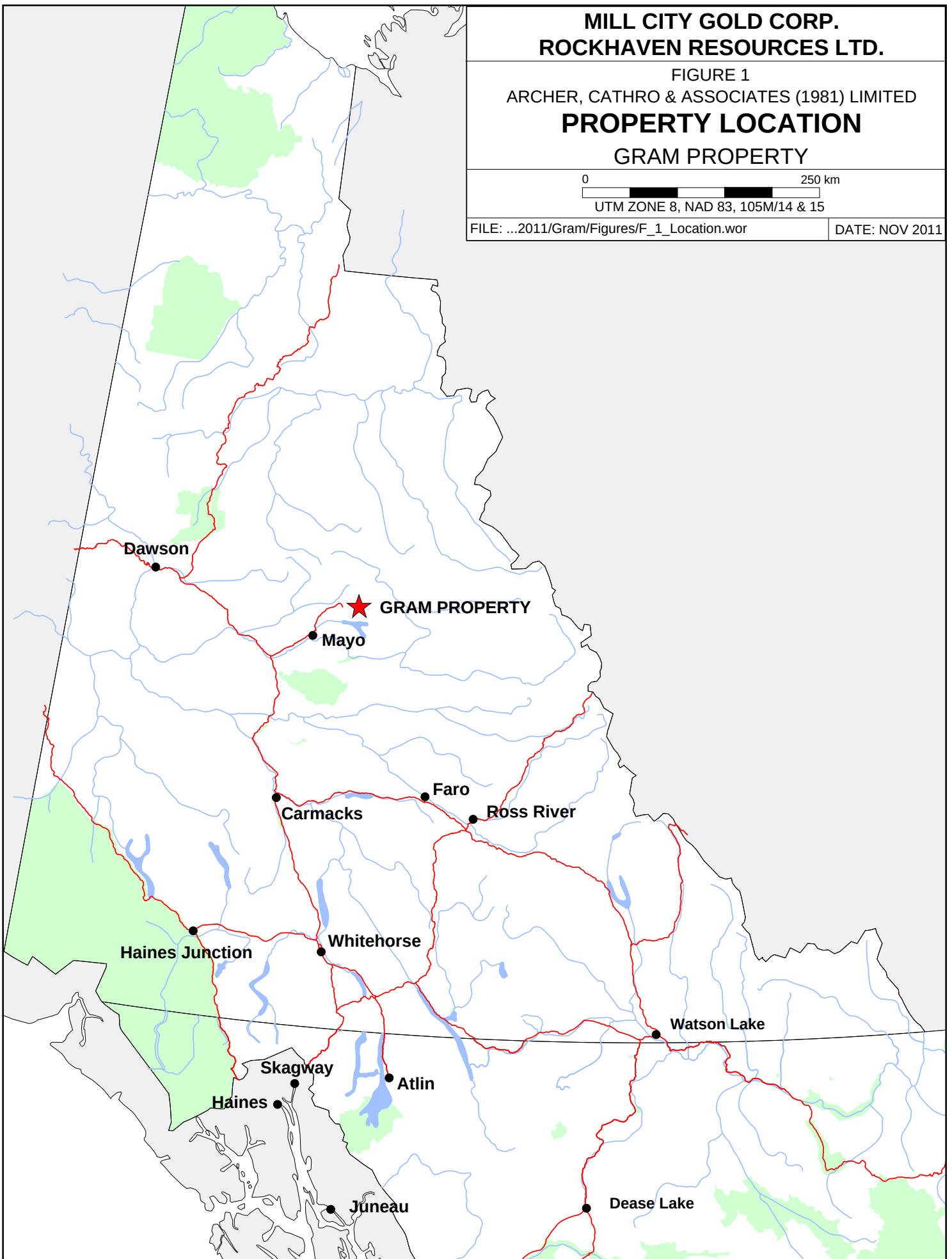
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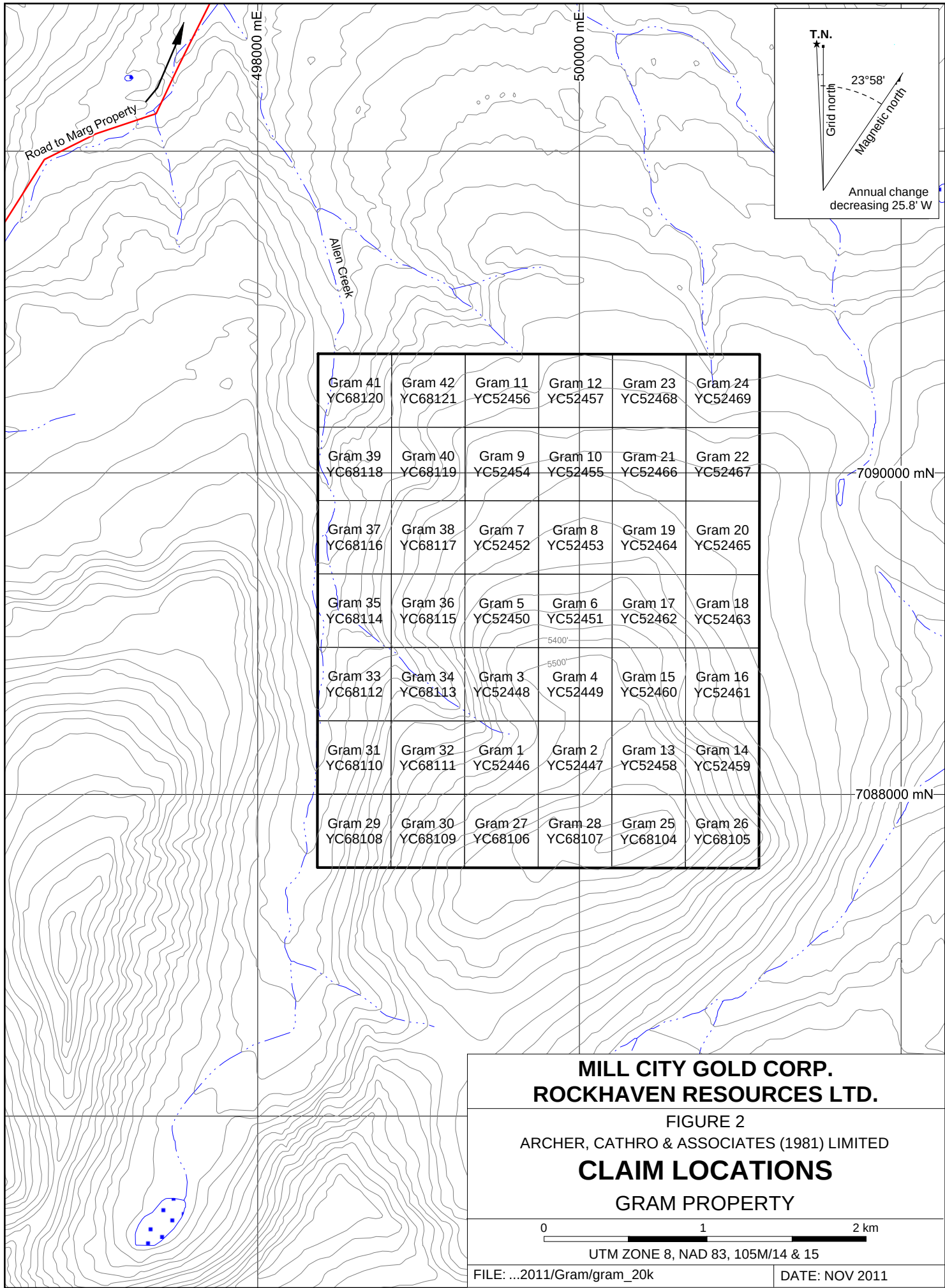
FIGURE 1  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**PROPERTY LOCATION**  
GRAM PROPERTY

0 250 km  
UTM ZONE 8, NAD 83, 105M/14 & 15

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Gram property. That same year, United Keno completed preliminary geological mapping and grid soil sampling on the VU property (Figure 3). Results from this work are discussed in the Property Geology, Mineralization and Soil Geochemistry sections of this report. The claims comprising the VU property subsequently lapsed.

In 1996, the area was restaked as the Nomad property (Nomad 1 to 36), there is no public record of exploration on these claims and they were allowed to expire (Deklerk and Traynor, 2005).

Mr. Ewing staked the Gram claims in 2006 on behalf of the Hinton Syndicate. In December of that year, the Gram property (as part of a larger land package known as the “Mount Hinton property”) was optioned to Yukon Gold Corporation, Inc. Yukon Gold conducted a 274 line-km, helicopter-borne Versatile Time Domain Electromagnetic (VTEM) and magnetic survey (Figure 3) over the property (Wengzynowski, 2007). Results from this program are described in the Airborne Geophysics section. Yukon Gold’s option expired in May 2009.

In October and November 2009, the Hinton Syndicate contracted Jan Klein to complete a preliminary interpretation of the geophysical data.

In March 2010, the Hinton Syndicate optioned the Gram property to Rockhaven Resources, which in turn optioned it to Mill City in April 2011.

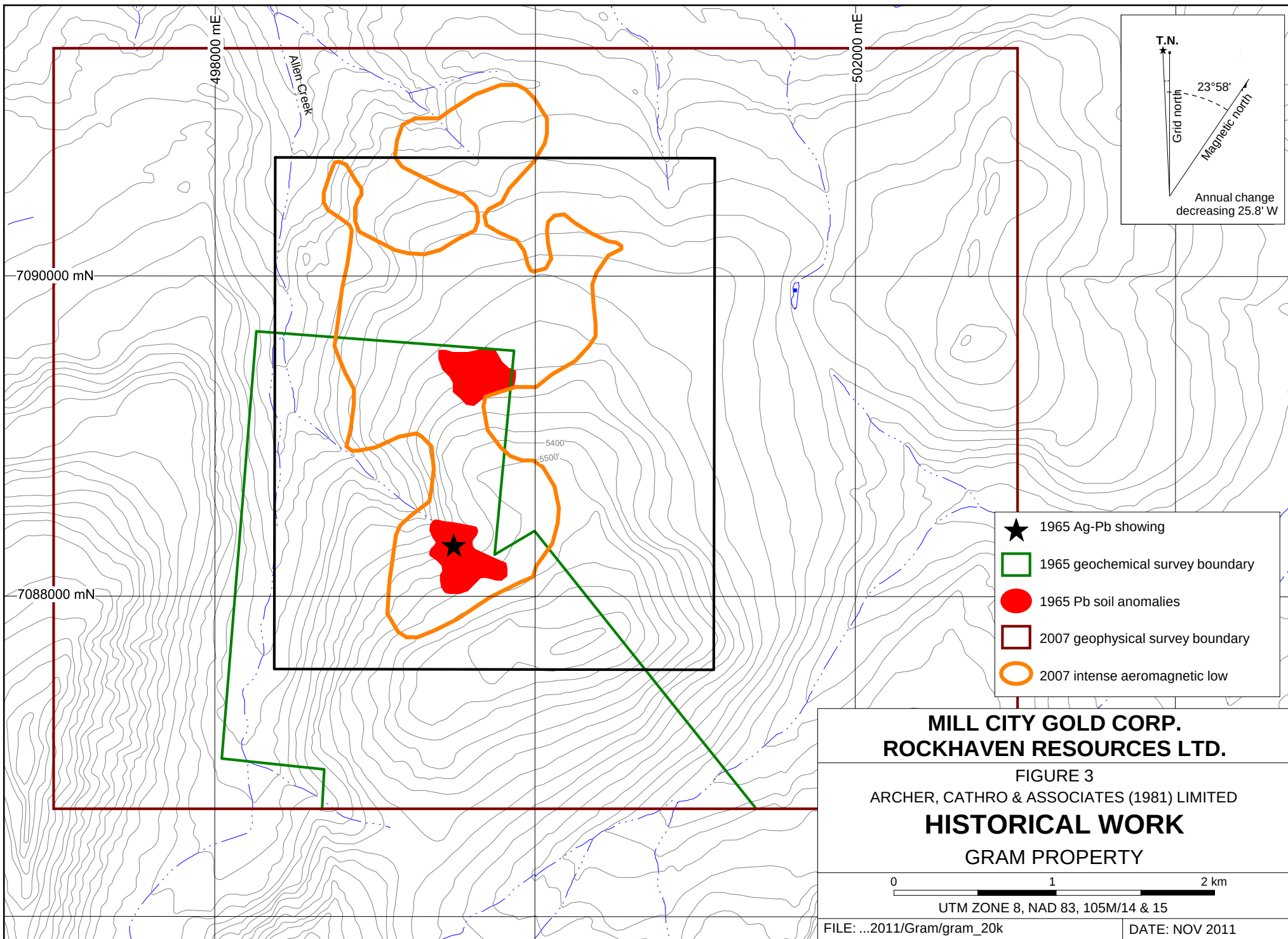
### **GEOMORPHOLOGY AND CLIMATE**

The Gram property is located in the Gustavus Range, approximately 15 km north of Mayo Lake. The property is drained by creeks that flow into Allen and McKim Creeks, which ultimately connect to the Arctic Ocean via the Ladue, Stewart and Yukon Rivers.

The Gram property covers a broad, north-trending ridge and its steeper, western flank. Allen Creek crosses the west edge of the property. The area is characterized as alpine to subalpine. Local elevations range from about 1050 to 1830 m above sea level. Approximately half of the property lies above treeline, which is at about 1450 m asl. Slopes above that elevation are characterized by alpine tundra and talus. Alpine vegetation primarily comprises low grasses and staghorn moss. The density and size of vegetation gradually increases on lower slopes, which are treed with spruce with a thick understorey of willows in poorly drained areas.

Much of the overburden in the region is associated with two advances and retreats of the Cordilleran ice sheet (Yukon Geological Survey, 2011). These cycles are known as the Reid and McConnell glaciations. The Cordilleran ice sheet is believed to have covered much of south and central Yukon circa 200 ka during the Reid glaciation and circa 22 ka throughout the McConnell glaciation. The Reid glaciation was more extensive than the later McConnell glaciation.

The ridge is mantled with a thin veneer of frost-heaved felsenmeer and residual soils while lower elevations are covered with an unknown thickness of glacial till. Elevations above 1370 m remained exposed during glaciation (Yukon Geological Survey, 2011). Outcrop is generally restricted to incised creek cuts and steep flanks of the ridge.



The climate in the Gram property area is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. Although summers are relatively mild, arctic cold fronts often cover the area and snowfall can occur in any month. The property is mostly snow free from early June to mid-September.

## **GEOLOGY**

The Gram property lies in the north-central part of the Mayo map sheet (105M). This map sheet was mapped at a regional scale (1:250,000) by the GSC in 1947, 1971 and 1982 (Bostock, 1947, Green, 1971 and Cecile, 1982) and the Yukon Geological Survey (YGS) in 1992 (Roots and Murphy, 1992). In 2003, Gordey and Makepeace incorporated this data as part of a Yukon-wide geological compilation. The following geological descriptions are based on the published data.

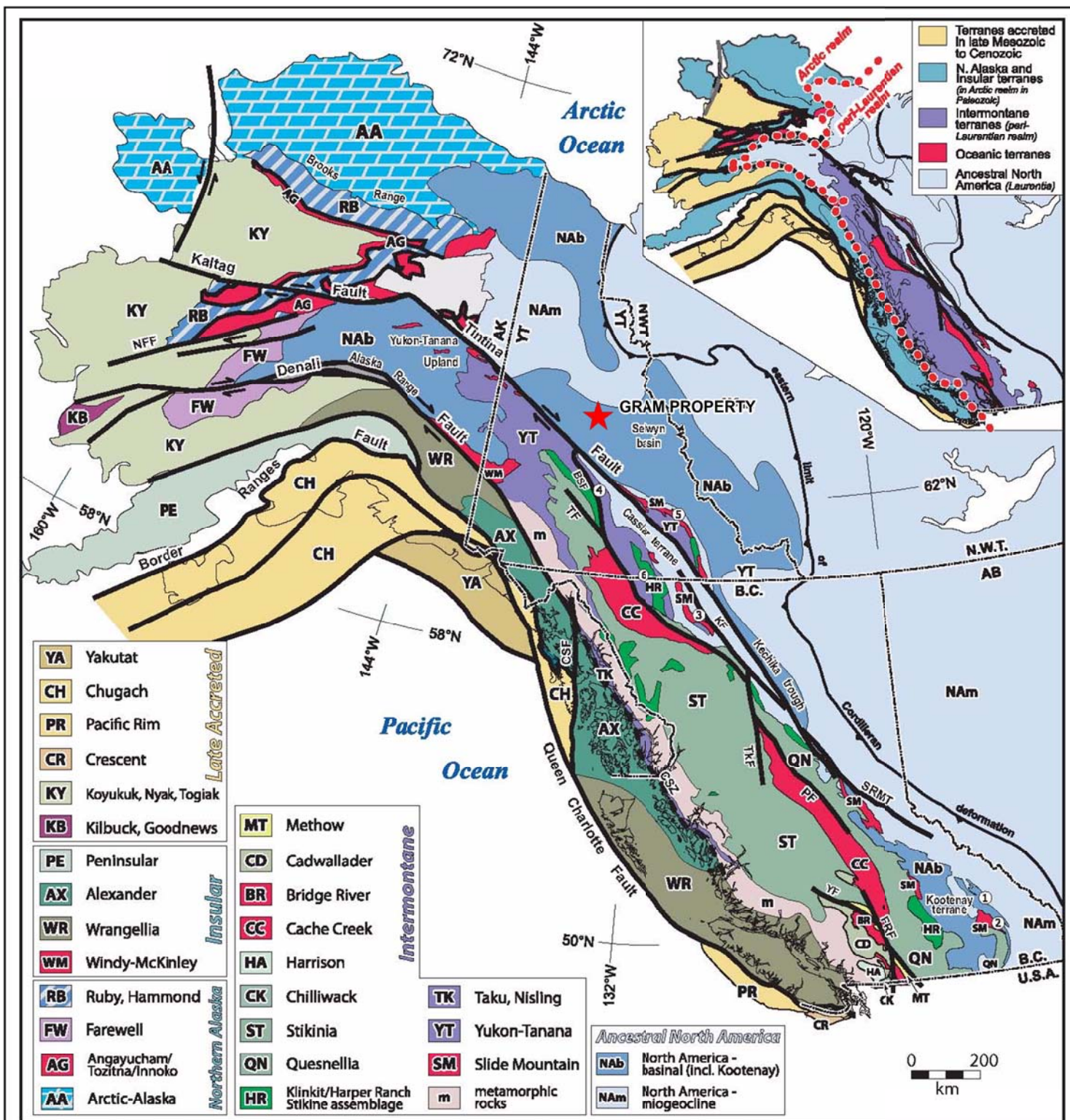
The Gram property lies near the northern margin of Selwyn Basin (Figure 4), a tectonic element comprising deep water clastic rocks, chert and minor carbonate accumulated along the North American continental margin during Paleozoic time (Pigage, 2004).

The rocks within the Mayo map sheet are divisible into three main packages, which are progressively more deformed from south to north (Roots and Murphy, 1992 in Yukon Geological Survey, 2011). The sedimentary package in the southern quarter of the map sheet comprises a basement of Upper Proterozoic to Lower Cambrian Hyland Group quartz metasandstone, conglomerate, maroon shale, siltstone and phyllite, which is overlain by Ordovician to Lower Devonian Road River Group siltstone and chert and Devonian and Mississippian Earn Group sandstone, chert-pebble conglomerate, siltstone, mudstone, dark limestone and chert. A series of widely-spaced, large-scale, west-northwest trending thrust faults and broad folds repeat the sedimentary package throughout the area. These large-scale faults and folds are offset by smaller-scale, north-northwest trending faults that are spaced approximately three to eight kilometres apart. The Tintina Fault crosses the southwest corner of the map sheet.

The centre of the map sheet is dominated by a 50 km wide belt of Hyland Group quartz-mica schist and chlorite schist (Roots and Murphy, 1992 in Yukon Geological Survey, 2011). These rocks are tightly folded and form the hangingwall (Robert Service Thrust Sheet) of the south-dipping Robert Service Thrust Fault.

The northern quarter of the map sheet consists of moderately south-dipping Devonian and Mississippian Earn Group sericite schist and chloritic phyllite and Mississippian Keno Hill quartzite (Roots and Murphy, 1992 in Yukon Geological Survey, 2011). These units form the footwall of the Robert Service Thrust Fault and are part of the Tombstone Thrust Sheet. The package is cut by numerous Triassic Galena Suite hornblende diorite, gabbro and altered greenstone sills.

Several Mid-Cretaceous Selwyn Suite biotite-hornblende granite and quartz monzonite igneous bodies cut the sedimentary package throughout the region. A 94 million year old, 1700 by 900 m pluton (Roop Lakes pluton) lies four kilometres southeast of the Gram property. It is thought to be responsible for mineralization in the Keno Hill area (Roots and Murphy, 1992 in Yukon Geological Survey, 2011). All of the major faults in the region pre-date Mid-Cretaceous



## MILL CITY GOLD CORP. ROCKHAVEN RESOURCES LTD.

FIGURE 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

## TECTONIC SETTING

GRAM PROPERTY

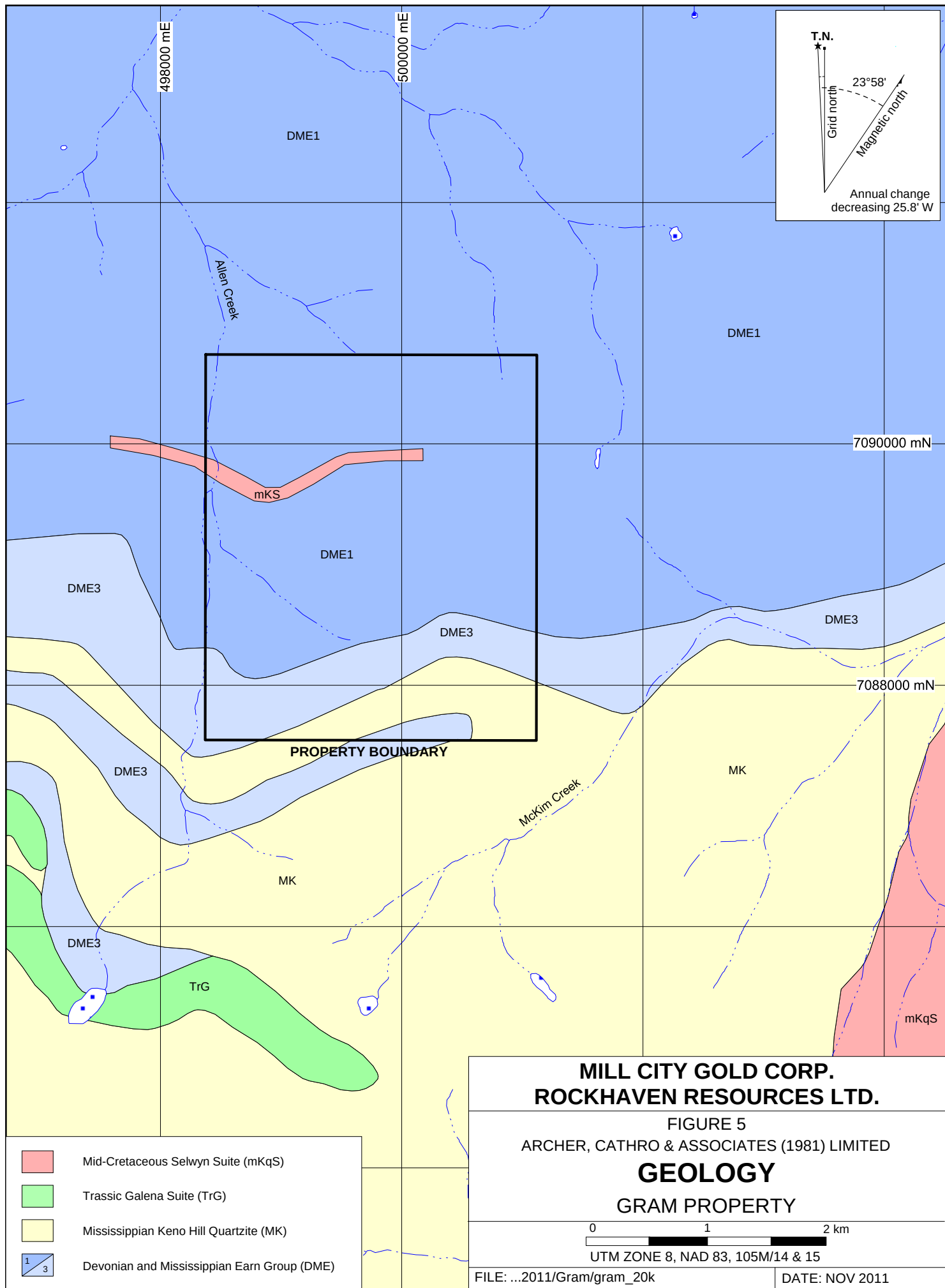
UTM ZONE 8, NAD 83, 105M/14 & 15

plutonism, as evidenced by cross-cutting relationships and several plugs that are emplaced along, but not offset by the some of the major faults.

The Gram property is largely underlain by Earn Group metasedimentary clastic rocks (DME1), which are overlain to the south by Earn Group metavolcanic flows and tuffs (DME3) and Keno Hill quartzite (MK). A Selwyn Suite dyke/sill(?) cuts DME1 in the northern part of the property (Figure 5). The dyke/sill is sub-parallel to bedding. The nearest Galena Suite sill lies two kilometres southwest of the property. Regional-scale descriptions of the units are provided in Table I.

**Table 1 – Lithological Units (*after Gordey and Makepeace, 2003*)**

| Unit Name           | Map Name    | Age                        | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------|-------------|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Selwyn Suite        | mK(q)S      | Mid-Cretaceous             | Intermediate to more felsic (q) and rarely syenitic plutonic suite; equivalent felsic dykes; complete compositional gradation so that these designations are somewhat arbitrary.<br>q. Equigranular to porphyritic (K-feldspar) biotite +/- hornblende +/- muscovite granite, quartz monzonite and granodiorite; porphyritic biotite hornblende granite with large smoky grey quartz phenocrysts and locally K-feldspar phenocrysts.                                                         |
| Galena Suite        | TrG         | Triassic                   | Massive, medium-grained hornblende diorite and gabbro sills; massive chloritic and locally serpentinitized greenstone diorite, gabbro, and altered equivalents) sills.                                                                                                                                                                                                                                                                                                                       |
| Keno Hill Quartzite | MK          | Mississippian              | Massive to thick bedded quartzarenite; thin to medium bedded quartzarenite interstratified with black shale or carbonaceous phyllite; local scour surfaces and shale intraclasts; locally foliated and lineated.                                                                                                                                                                                                                                                                             |
| Earn Group          | DME (1 & 3) | Devonian and Mississippian | Complex assemblage of submarine fan and channel deposits (1), including small occurrences of felsic volcanic rocks (3):<br>1. Thin bedded, laminated slate with thin to thickly interbedded fine to medium grained chert-arenite and wacke; thick members of chert pebble conglomerate; black siliceous siltstone; nodular and bedded barite; rare limestone.<br>3. Massive felsic to intermediate volcanic flows, tuffs and subvolcanic plug(s); locally highly altered; greenish chert and |



|  |  |  |                                                                                                                            |
|--|--|--|----------------------------------------------------------------------------------------------------------------------------|
|  |  |  | minor black slate; quartz eye quartz-sericite chlorite phyllite; local vesicular or amygdaloidal basalt, locally pillowed. |
|--|--|--|----------------------------------------------------------------------------------------------------------------------------|

In 1965, United Keno Hill performed more detailed geological mapping in the south and western parts of the current Gram property (Van Tassel, 1965). It observed that the area is underlain by quartzite, graphite schist, sericite schist and numerous lenses of greenstone. The units are described below:

- 1) Quartzite – thin to thick bedded; comprises quartz with minor sericite and graphite; thick bedded quartzite is usually medium to dark grey and are highly jointed; thin bedded quartzite varies from two to fifteen centimetres thick, are dark grey to black and are generally interbedded with graphite schist;
- 2) Graphite schist – black, pyritiferous and highly contorted; commonly hosts stringers of quartz that are locally crushed and rusty weathering;
- 3) Sericite schist – light grey-green to olive green with some chlorite; often highly contorted; carry stringers and bulbous masses of quartz; and
- 4) Greenstone – grey-green to dark green; occur as discontinuous sills; larger bodies retain original textures whereas thinner bodies have a foliation parallel to the metasedimentary rocks.

Bedding orientations in the area typically strike easterly and dip moderately to the south, while cleavage orientations are variable (Van Tassel, 1965).

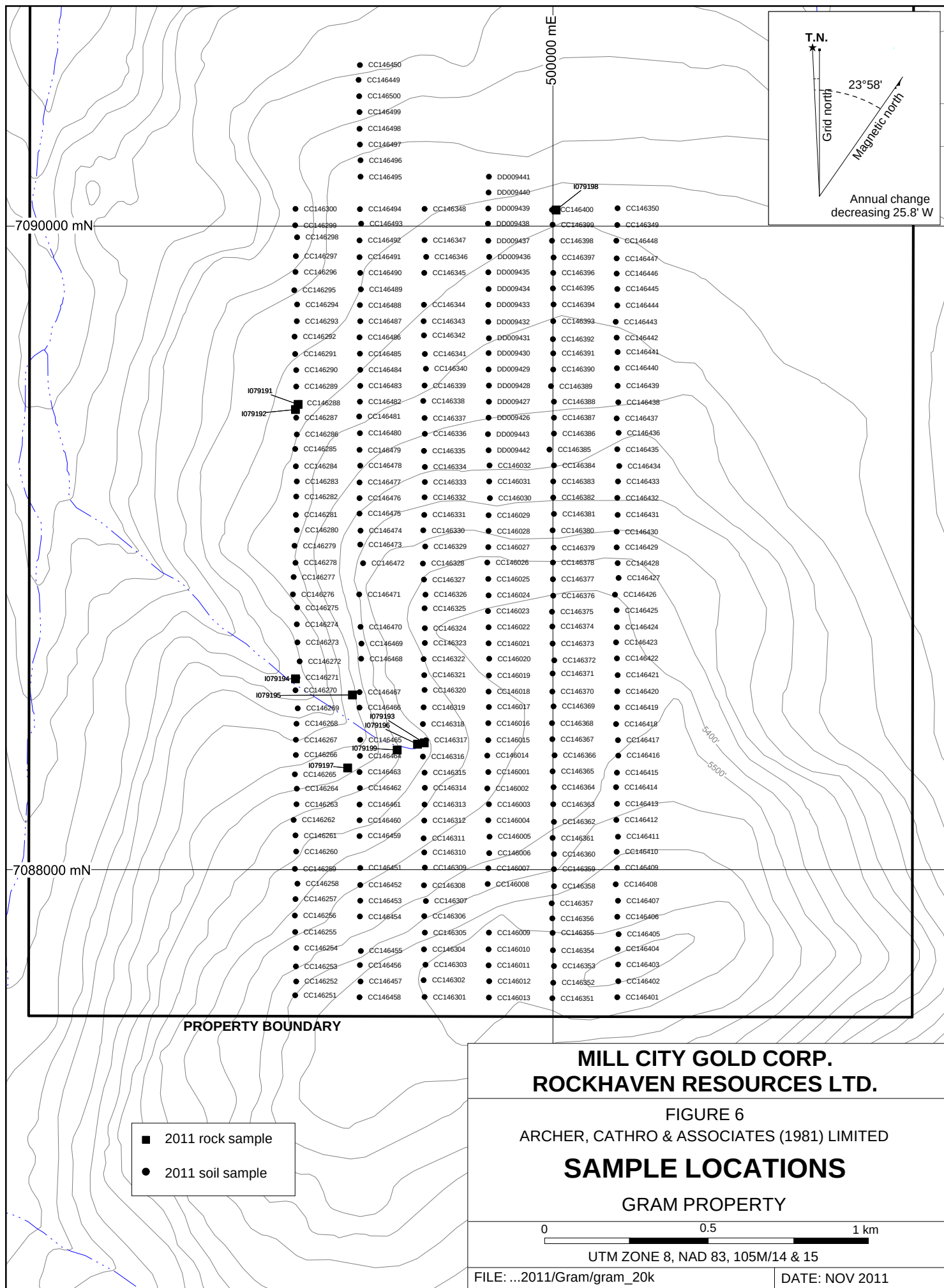
### **MINERALIZATION**

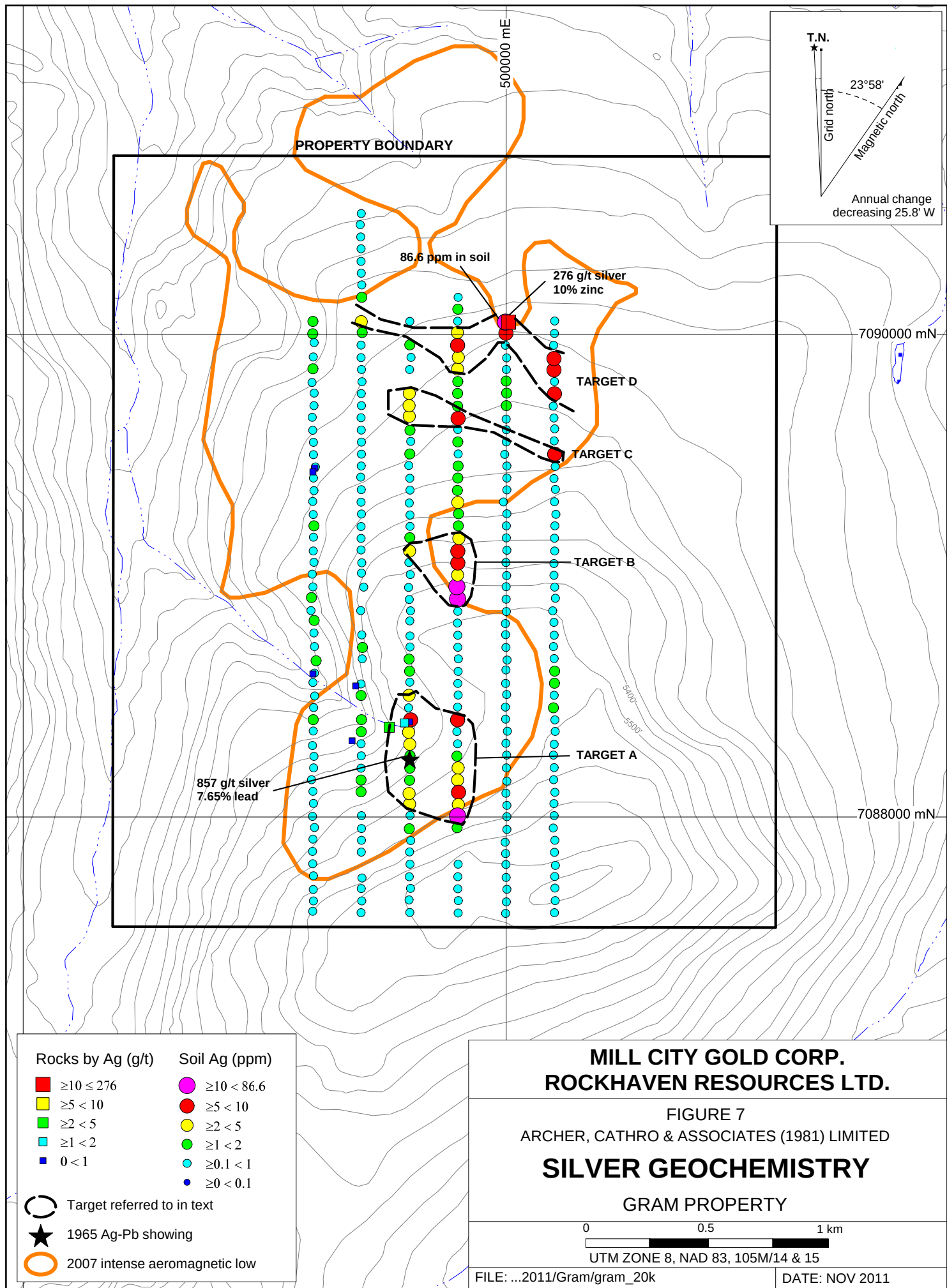
The Gram property is located on the eastern edge of the Keno Hill District, which consists of mesothermal veins that have collectively produced more than 250 million ounces of silver since the early 1950s.

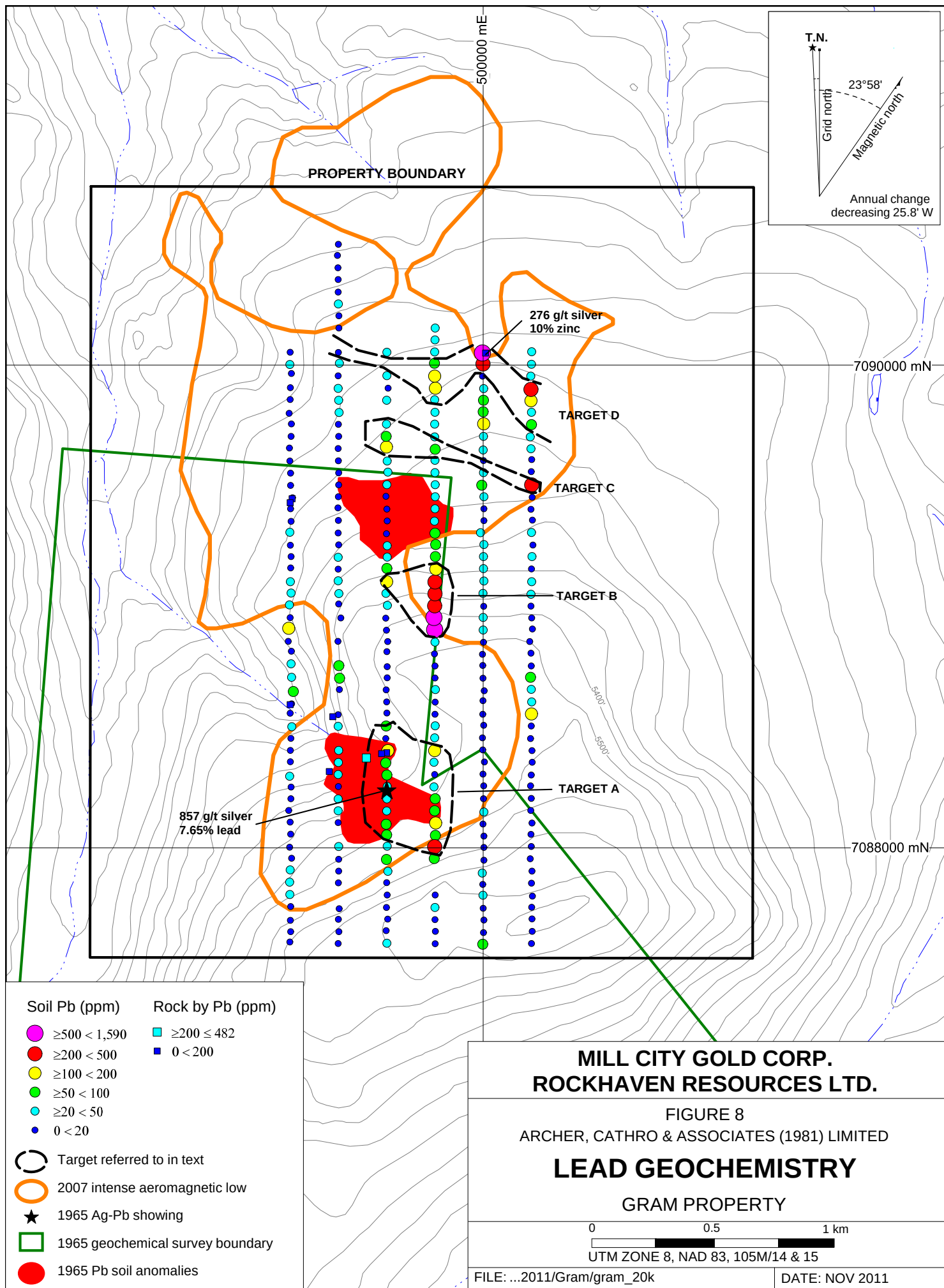
In 1965, United Keno Hill prospectors discovered a mineralized breccia or vein zone on the Gram property. This zone trends westerly and cuts the host quartzite at a slight angle to bedding (Figure 3). Character grab samples returned values of 7.65% lead with 857 g/t silver and 0.21% lead with 446 g/t silver (Van Tassel, 1965).

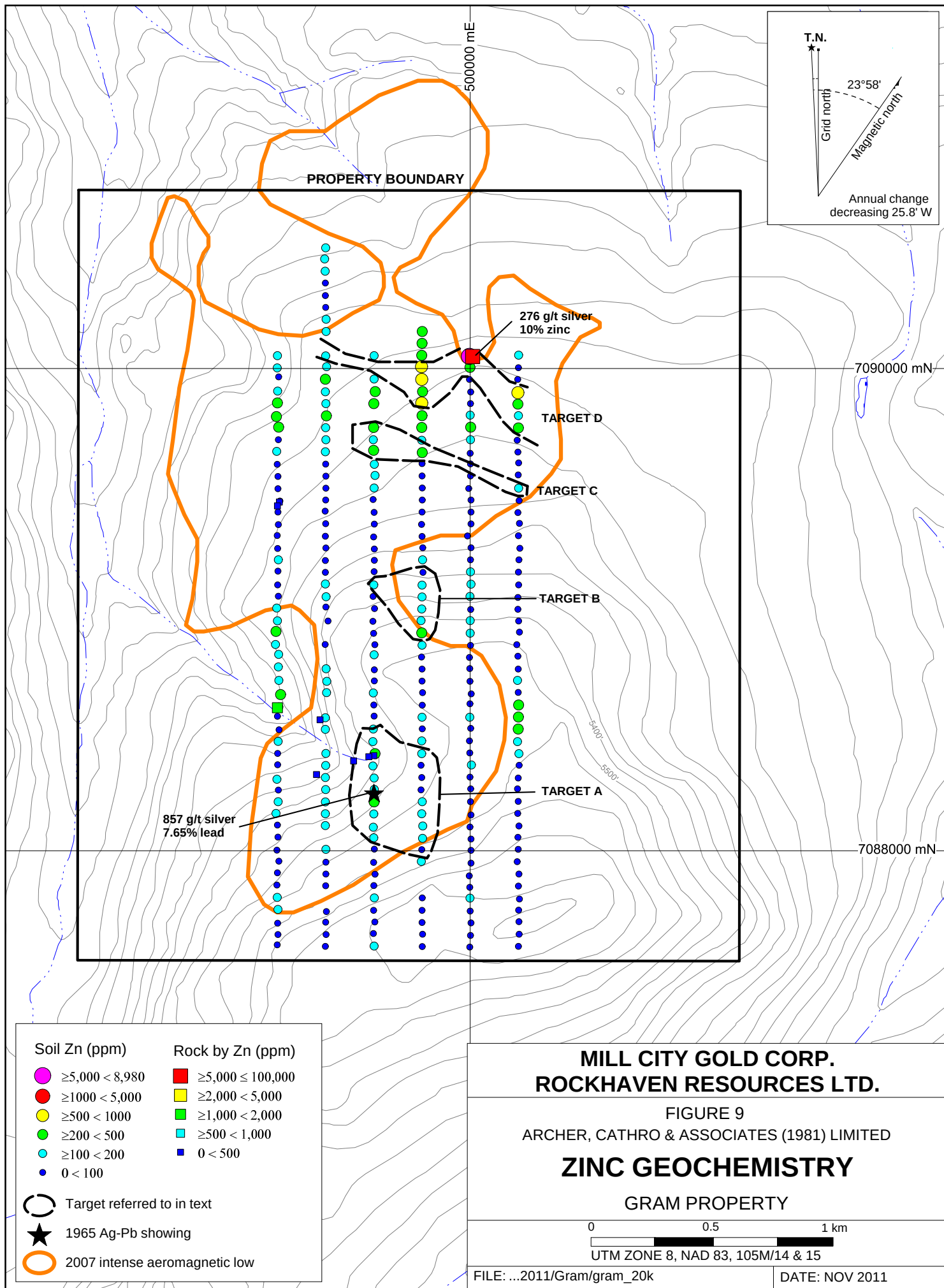
In 2011, Mill City tried to resample the historical silver-lead showing, but was unable to relocate the mineralized zone. It did, however, identify a second showing (Fox Showing) in the northern part of the property. Rock sample locations are plotted on Figure 6, while results for silver, lead, zinc, gold, copper, arsenic and antimony are illustrated thematically on Figures 7 to 13, respectively. Rock sample descriptions are provided in Appendix II, while Certificates of Analysis are given in Appendix III.

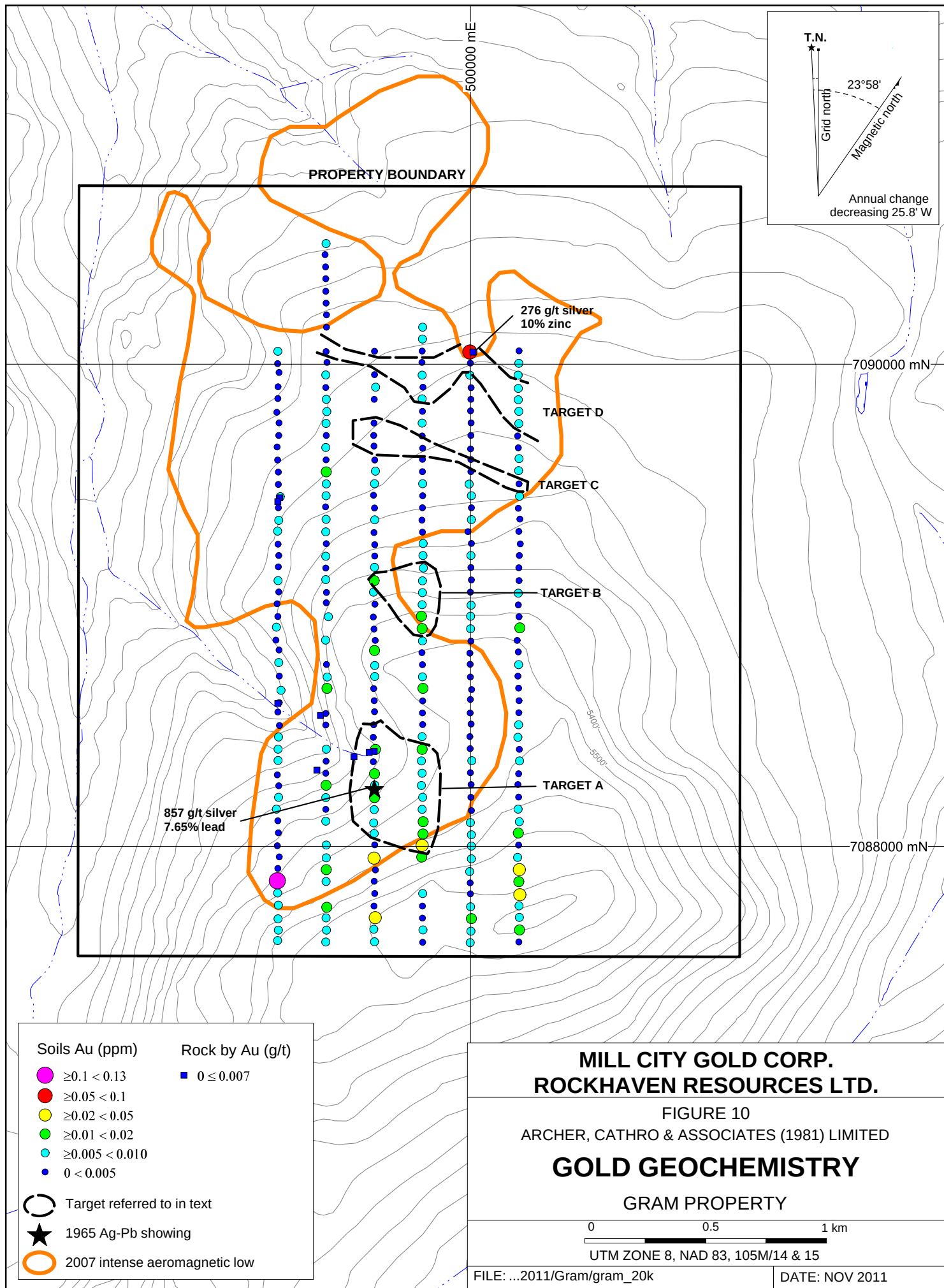
The 2011 rock sample sites on the property were marked with orange flagging tape labelled with the sample number. The location of each sample was determined using a handheld GPS unit.

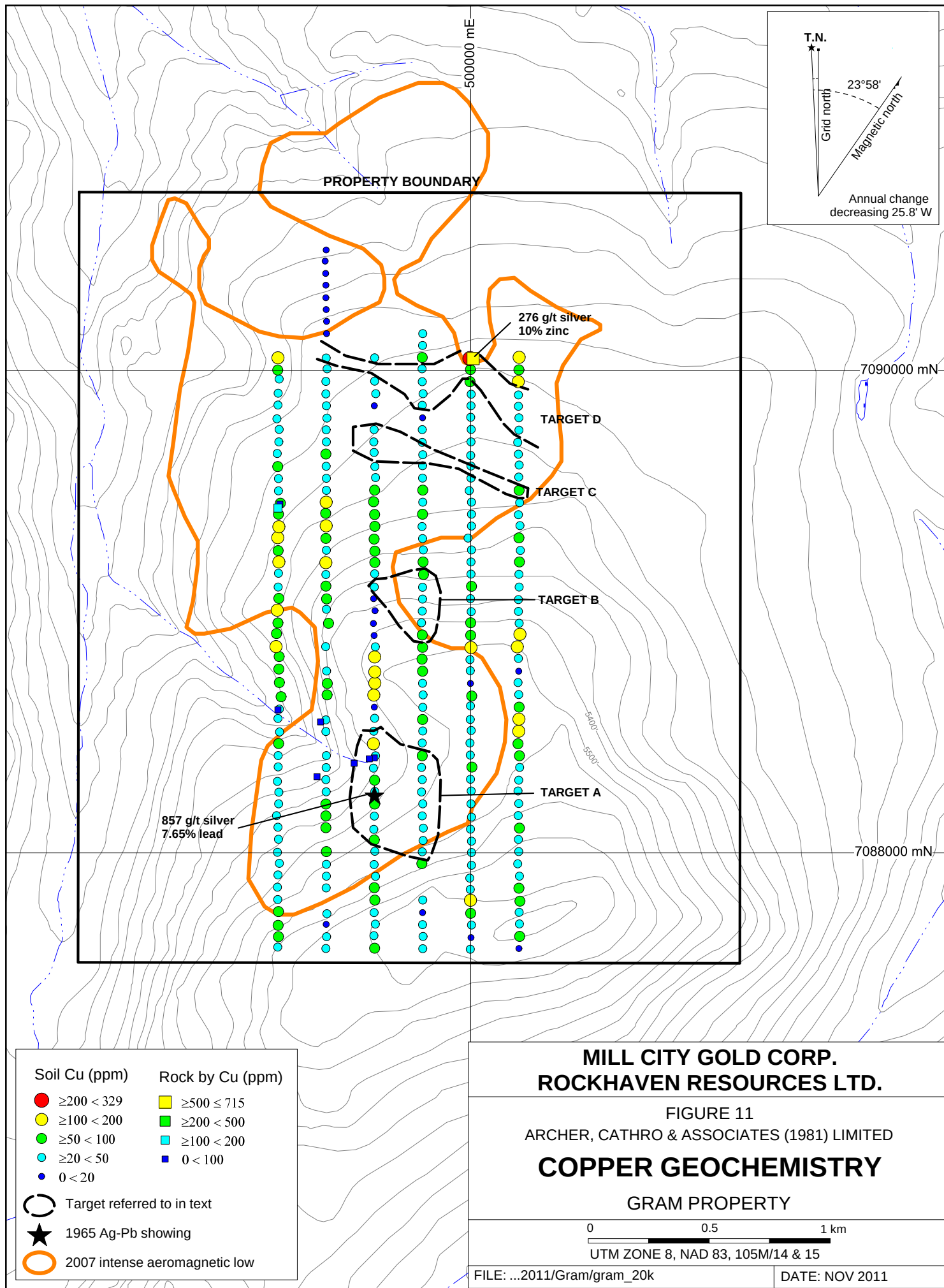


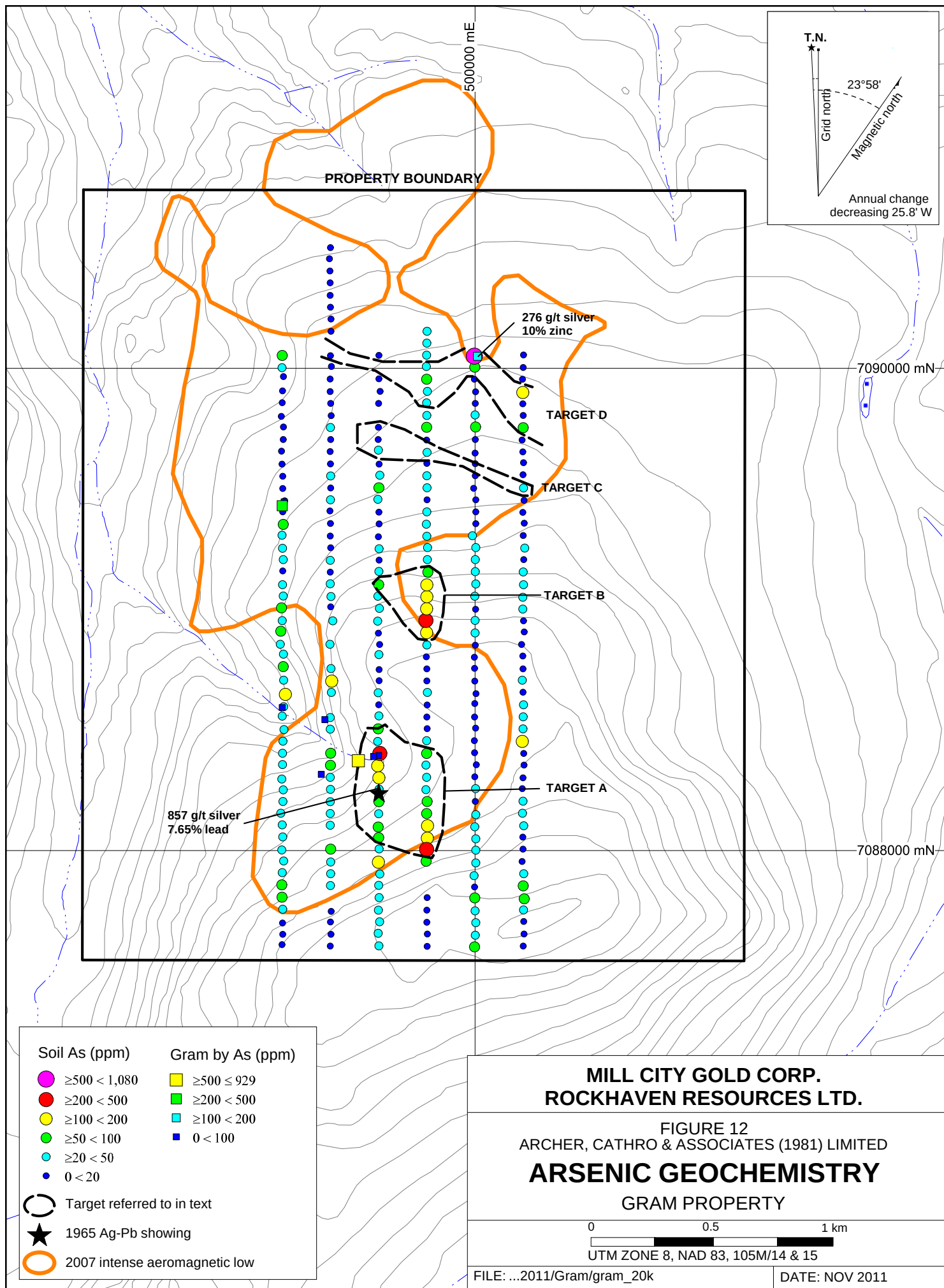


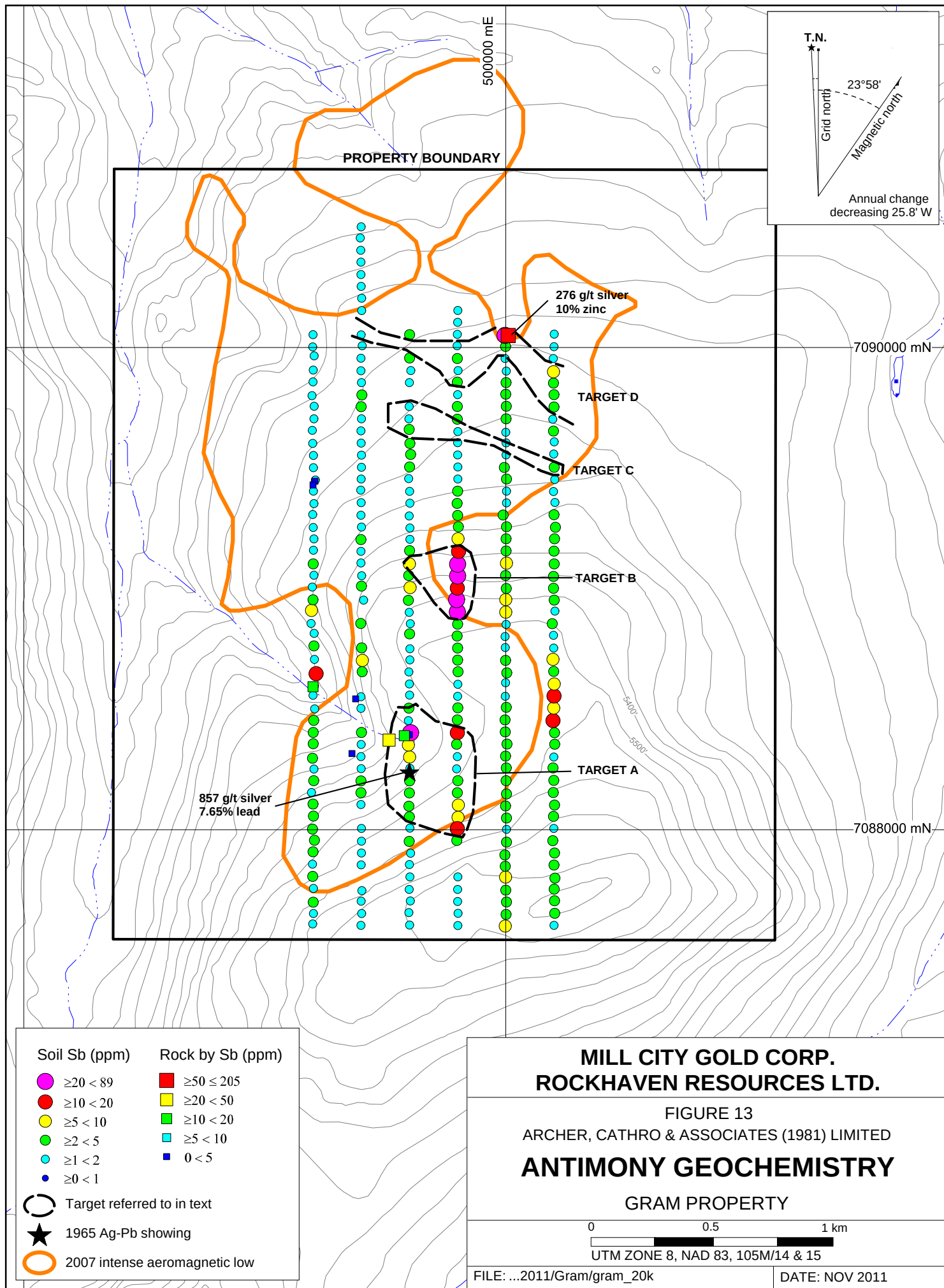












Multi-element analyses for rock samples were carried out at ALS Chemex in Whitehorse, Yukon and/or North Vancouver, B.C. Each sample was dried, fine crushed to better than 70% passing 2 mm and a 250 g split was pulverized to better than 85% passing 75 microns. The fine fraction was then analyzed for gold using fire assay followed by inductively coupled plasma-atomic emission spectroscopy analysis and for 35 other elements using an aqua regia digestion and inductively coupled plasma-atomic emission spectroscopy analysis (Au-ICP21 and ME-ICP41).

The Fox Showing comprises limonite fragments and decomposed limonite soil within approximately a 20 by 20 m zone of rusty-weathering greenstone. A composite sample of five pieces of limonite-rich material containing some residual blackjack sphalerite returned 276 g/t silver, 10% zinc and 205 ppm antimony with background to weak support from the other metals of interest. The limonite-rich area is located on a narrow scarp, which is surrounded by moss and brush covered gentle slopes. A Selwyn Suite sill is mapped near the Fox Showing, but no granitic rocks were observed in the area. The mapped sill could be Galena Suite greenstone.

Mill City also collected eight scattered samples of quartz veined, weakly to moderately limonitic chlorite or sericite schist. These samples generally returned subdued results for silver (up to 3.7 g/t, typically less than 1.0 g/t), lead (up to 482 ppm, typically less than 50 ppm), zinc (up to 1440 ppm, typically less than 300 ppm), gold (up to 0.002 g/t), copper (up to 182 ppm, typically less than 50 ppm), arsenic (up to 982 ppm, typically less than 100 ppm) and antimony (up to 40 ppm).

### **SOIL GEOCHEMISTRY**

In 1965, United Keno Hill grid soil sampled part of the area now covered by the Gram property. The samples were analyzed for copper, lead and zinc. This work identified two areas of moderate to strong lead geochemical response (up to 7100 ppm) in the central and south-central parts of the property (Van Tassel, 1965). Copper and zinc response was more subdued and more widespread than the lead anomalies. A compilation of the significant historical lead geochemical data is presented in Figure 3.

In 2011, Mill City collected an additional 300 grid soil samples at 50 m spacings on six north-south oriented lines located 200 m apart. Sample locations are plotted on Figure 6, while results for silver, lead, zinc, gold, copper, arsenic and antimony are illustrated thematically on Figures 7 to 13, respectively. Certificates of Analysis are provided in Appendix III.

All 2011 soil sample locations were recorded using hand-held GPS units. Sample sites are marked by aluminum tags inscribed with the sample numbers and affixed to 0.5 m wooden lath that were driven into the ground. Soil samples were collected from 5 to 30 cm deep holes dug by mattock or hand-held auger. They were placed into individually pre-numbered Kraft paper bags. The soil samples were sent to ALS Chemex in Whitehorse, Yukon and/or North Vancouver, B.C. They were dried, screened to -180 microns, dissolved in aqua regia solution and then analyzed for 35 elements using the inductively coupled plasma with atomic emission spectroscopy technique (ME-ICP41). An additional 30 g charge was further analysed for gold by fire assay with inductively coupled plasma-atomic emissions spectroscopy finish (Au-ICP21).

The 2011 grid soil sampling program identified four areas (Targets A to D) of coincident, elevated silver-lead±zinc±gold±copper±arsenic±antimony values. Elevated values are defined as 2 to 86.6 ppm silver, 100 to 1590 ppm lead, 500 to 8980 ppm zinc, 20 to 130 ppb gold, 100 to 329 ppm copper, 100 to 1080 ppm arsenic and 5 to 89 ppm antimony. The anomalous areas are typically oriented along a west-northwest to east-southeast trend and appear to parallel bedding.

Target A is the southernmost of the anomalous areas. It is a 200 by 400 m area of coincident, elevated silver, lead, antimony and arsenic values. This target encompasses the historical silver-lead showing and largely overlaps with one of the areas of historical elevated lead response.

Target B comprises a 200 by 250 m area with an anomalous silver, lead, zinc and antimony response. Target B is situated 500 m north of Target A.

Target C is an elongate, 75 by 600 m area of elevated silver and lead soil geochemistry. It is located 1200 m north of Target A. The second area of elevated historical lead values lies between Targets B and C.

Target D is the northernmost of the anomalous areas and is located 1500 m north of Target A. It comprises a 125 by 800 m area, which includes a soil sample that yielded the highest values for silver, lead, arsenic, zinc and copper obtained from the geochemical survey. This is the only target where silver and lead have coincident zinc, copper and gold support. The most anomalous of the soil samples was collected at the Fox Showing.

The best gold value from the soil geochemical survey is from an isolated sample collected in the southwest corner of the grid.

### **AIRBORNE GEOPHYSICS**

In 2007, Geotech Ltd. of Ontario conducted helicopter-borne, Versatile Time Domain Electromagnetic (VTEM) and magnetic surveys over the property and adjacent areas on behalf of Yukon Gold (Wengzynowski, 2007). A total of 274 line-km were flown. The following description is summarized from Wengzynowski's 2007 report.

Preliminary examination of the data shows that electromagnetic response is variable over most of the property. Broad, south-dipping conductive zones trend east-west across the property and most likely record conductivity contrasts between the various rock units. The most remarkable result of the survey is an irregular, intense magnetic low that underlies the centre of the property and extends off the claim block to the north (Figure 3). Areas with the strongest soil geochemical response appear to typically coincide with the margins of the magnetic low (Figures 7 to 13).

### **DISCUSSION AND CONCLUSIONS**

The results of Mill City's 2011 exploration program at the Gram property are very encouraging. Although the United Keno Hill silver-lead showing was not relocated, the Fox Showing, a new silver-zinc zone, was discovered in the northern part of the property. The Fox Showing is

coincident with a broad, multi-element soil geochemical anomaly. Several other areas of anomalous multi-element soil geochemistry were also identified and appear to be preferentially located along the margins of a large magnetic low.

The Gram property definitely warrants additional work due to its favourable location within the Keno Hill silver district, its close proximity to the Roops Lake stock and Mill City's positive 2011 results. Future work should include: 1) additional sampling to enlarge and infill the area of soil geochemical coverage; 2) detailed prospecting in areas of elevated soil response; 3) some form of mechanical trenching and/or drilling, the exact technique to be determined after more specific source areas for the anomalous soil are identified and evaluated.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Sarah Eaton, B.Sc. Geology, GIT

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**APPENDIX I**  
**STATEMENT OF QUALIFICATIONS**

## **STATEMENT OF QUALIFICATIONS**

I, Sarah Eaton, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Squamish, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 2007 with a B.Sc. in Honours Geological Sciences.
2. From 2002 to present, I have been actively engaged in mineral exploration in Yukon Territory, British Columbia and Northwest Territories.
3. I am a Geoscientist in Training (GIT) with the Association of Professional Engineers and Geoscientists of British Columbia (Member Number 154922).
4. I have personally participated in the field work reported herein and have interpreted all data resulting from this work.

Sarah Eaton, B.Sc. (Hon.) Geology, GIT

**APPENDIX II**  
**ROCK SAMPLE DESCRIPTIONS**

| Rock Sample Descriptions                                                                                                                                                                                                                        |            |          | Project: <u>Gram</u> |           | Property: <u>Gram</u> |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|----------------------|-----------|-----------------------|------------|
| Sample Number:                                                                                                                                                                                                                                  | Grid East: | E        | Grid North:          | N         | Type:                 | Dimension: |
| I079191                                                                                                                                                                                                                                         | UTM:       | 499208 E | UTM:                 | 7089446 N | Sample Width:         | Abundance: |
|                                                                                                                                                                                                                                                 | Elevation: | m        |                      |           |                       |            |
| Comments: grey weathering sucrosic quartz chlorite schist with 3 cm wide quartz vein with possible AsPy.                                                                                                                                        |            |          |                      |           |                       |            |
|                                                                                                                                                                                                                                                 |            |          |                      |           |                       |            |
| Sample Number:                                                                                                                                                                                                                                  | Grid East: | E        | Grid North:          | N         | Type:                 | Dimension: |
| I079192                                                                                                                                                                                                                                         | UTM:       | 499200 E | UTM:                 | 7089430 N | Sample Width:         | Abundance: |
|                                                                                                                                                                                                                                                 | Elevation: | m        |                      |           |                       |            |
| Comments: Rusty purple and knubbly weathering weakly limonitic muscovite? Schist?                                                                                                                                                               |            |          |                      |           |                       |            |
|                                                                                                                                                                                                                                                 |            |          |                      |           |                       |            |
| Sample Number:                                                                                                                                                                                                                                  | Grid East: | E        | Grid North:          | N         | Type:                 | Dimension: |
| I079193                                                                                                                                                                                                                                         | UTM:       | 499600 E | UTM:                 | 7088394 N | Sample Width:         | Abundance: |
|                                                                                                                                                                                                                                                 | Elevation: | m        |                      |           |                       |            |
| Comments: Brown weathering crystalline quartz vein with local dark green chlorite, open space filled with small yellowish quartz crystals and chlorite books                                                                                    |            |          |                      |           |                       |            |
|                                                                                                                                                                                                                                                 |            |          |                      |           |                       |            |
| Sample Number:                                                                                                                                                                                                                                  | Grid East: | E        | Grid North:          | N         | Type:                 | Dimension: |
| I079194                                                                                                                                                                                                                                         | UTM:       | 499200 E | UTM:                 | 7088593 N | Sample Width:         | Abundance: |
|                                                                                                                                                                                                                                                 | Elevation: | m        |                      |           |                       |            |
| Comments: Brown black ferricrete with cholorite schist clasts                                                                                                                                                                                   |            |          |                      |           |                       |            |
|                                                                                                                                                                                                                                                 |            |          |                      |           |                       |            |
| Sample Number:                                                                                                                                                                                                                                  | Grid East: | E        | Grid North:          | N         | Type:                 | Dimension: |
| I079195                                                                                                                                                                                                                                         | UTM:       | 499377 E | UTM:                 | 7088543 N | Sample Width:         | Abundance: |
|                                                                                                                                                                                                                                                 | Elevation: | m        |                      |           |                       |            |
| Comments: Medium to light brown vuggy country rock hosting Qz veinlets and blebs. Country rock exhibits minor oxidization defined by light to medium orange rusty color. Sample is highly dense relative to rocks found within the area (Float) |            |          |                      |           |                       |            |
|                                                                                                                                                                                                                                                 |            |          |                      |           |                       |            |
| Sample Number:                                                                                                                                                                                                                                  | Grid East: | E        | Grid North:          | N         | Type:                 | Dimension: |
| I079196                                                                                                                                                                                                                                         | UTM:       | 499579 E | UTM:                 | 7088390 N | Sample Width:         | Abundance: |
|                                                                                                                                                                                                                                                 | Elevation: | m        |                      |           |                       |            |
| Comments: 1 block of rusty weathering, limonitic and weakly clay-bearing quartz vein (8 cm wide) sandwiched in sericitic schist                                                                                                                 |            |          |                      |           |                       |            |

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**Rock Sample Descriptions**Project: GramProperty: Gram

---

|                |            |          |             |           |               |            |
|----------------|------------|----------|-------------|-----------|---------------|------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type:         | Dimension: |
| I079197        | UTM:       | 499362 E | UTM:        | 7088316 N | Sample Width: | Abundance: |
|                | Elevation: | m        |             |           |               |            |

Comments: Grey weathering, chlorite and sericite schist with quartz veining and minor limonite.

---

|                |            |          |             |           |               |            |
|----------------|------------|----------|-------------|-----------|---------------|------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type:         | Dimension: |
| I079198        | UTM:       | 500000 E | UTM:        | 7090050 N | Sample Width: | Abundance: |
|                | Elevation: | m        |             |           |               |            |

Comments: 5 piece composite sample of boxwork limonite with local residual blackjack sphalerite. In area of rusty weathering skarn? With dark green volcanic? Skarn? Is rusty weathering. Rusty weathering zone is about 20 x 20 m.

---

|                |            |          |             |           |               |            |
|----------------|------------|----------|-------------|-----------|---------------|------------|
| Sample Number: | Grid East: | E        | Grid North: | N         | Type:         | Dimension: |
| I079199        | UTM:       | 499516 E | UTM:        | 7088372 N | Sample Width: | Abundance: |
|                | Elevation: | m        |             |           |               |            |

Comments: Qz altered schist? Goethite (purpley red) crystals and orangey/red rusty limonite found as alternating bands. Quartz is mostly unaltered, but oragney tinge appearance on surface

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**APPENDIX III**  
**CERTIFICATES OF ANALYSIS**



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**Page: 1**  
**Finalized Date: 28- OCT- 2011**  
**Account: F**

**CERTIFICATE WH11181096**

Project: Mill City- Gram

P.O. No.:

This report is for 50 Soil samples submitted to our lab in Whitehorse, YT, Canada on 11- SEP- 2011.

The following have access to data associated with this certificate:

DOUG EATON

SARAH EATON

JOAN MARIACHER

**SAMPLE PREPARATION**

| ALS CODE | DESCRIPTION                     |
|----------|---------------------------------|
| WEI- 21  | Received Sample Weight          |
| LOG- 22  | Sample login - Rcd w/o BarCode  |
| SCR- 41  | Screen to - 180um and save both |

**ANALYTICAL PROCEDURES**

| ALS CODE  | DESCRIPTION                    | INSTRUMENT |
|-----------|--------------------------------|------------|
| Au- ICP21 | Au 30g FA ICP- AES Finish      | ICP- AES   |
| ME- ICP41 | 35 Element Aqua Regia ICP- AES | ICP- AES   |

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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:**

Colin Ramshaw, Vancouver Laboratory Manager



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Total # Pages: 3 (A - C)  
Finalized Date: 28- OCT- 2011  
Account: F

Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11181096**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI- 21<br>Recvd Wt.<br>kg | Au- ICP21<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                       | 0.001                  | 0.2                    | 0.01                 | 2                      | 10                    | 10                     | 0.5                    | 2                      | 0.01                 | 0.5                    | 1                      | 1                      | 1                      | 0.01                 |
| CC146469           |                                   | 0.36                       | 0.009                  | 1.3                    | 0.87                 | 119                    | <10                   | 50                     | <0.5                   | <2                     | 0.05                 | <0.5                   | 10                     | 20                     | 60                     | 3.43                 |
| CC146470           |                                   | 0.24                       | 0.004                  | 0.6                    | 0.34                 | 39                     | <10                   | 40                     | <0.5                   | 2                      | 0.04                 | <0.5                   | 5                      | 11                     | 28                     | 2.34                 |
| CC146471           |                                   | 0.30                       | 0.005                  | 0.8                    | 0.96                 | 27                     | <10                   | 70                     | <0.5                   | <2                     | 0.06                 | <0.5                   | 6                      | 17                     | 25                     | 2.44                 |
| CC146472           |                                   | 0.28                       | 0.005                  | 0.6                    | 1.40                 | 28                     | <10                   | 120                    | <0.5                   | <2                     | 0.11                 | <0.5                   | 11                     | 27                     | 73                     | 2.89                 |
| CC146473           |                                   | 0.22                       | 0.002                  | 0.2                    | 1.31                 | 12                     | <10                   | 110                    | <0.5                   | <2                     | 0.06                 | <0.5                   | 6                      | 25                     | 29                     | 2.35                 |
| CC146474           |                                   | 0.36                       | 0.003                  | 0.7                    | 1.60                 | 25                     | <10                   | 170                    | <0.5                   | <2                     | 0.10                 | <0.5                   | 9                      | 33                     | 71                     | 2.97                 |
| CC146475           |                                   | 0.38                       | 0.006                  | 0.6                    | 1.49                 | 26                     | <10                   | 170                    | <0.5                   | <2                     | 0.11                 | <0.5                   | 9                      | 39                     | 55                     | 3.01                 |
| CC146476           |                                   | 0.20                       | 0.003                  | 0.3                    | 1.36                 | 16                     | <10                   | 60                     | <0.5                   | <2                     | 0.06                 | <0.5                   | 5                      | 26                     | 28                     | 3.33                 |
| CC146477           |                                   | 0.28                       | 0.006                  | 0.5                    | 1.91                 | 24                     | <10                   | 130                    | <0.5                   | <2                     | 0.08                 | <0.5                   | 12                     | 34                     | 123                    | 3.38                 |
| CC146478           |                                   | 0.24                       | 0.003                  | 0.2                    | 1.16                 | 14                     | <10                   | 190                    | <0.5                   | 2                      | 0.06                 | <0.5                   | 6                      | 24                     | 38                     | 2.07                 |
| CC146479           |                                   | 0.28                       | 0.007                  | 0.2                    | 1.57                 | 16                     | <10                   | 110                    | <0.5                   | <2                     | 0.10                 | <0.5                   | 12                     | 27                     | 96                     | 2.85                 |
| CC146480           |                                   | 0.24                       | 0.006                  | 0.3                    | 1.56                 | 14                     | <10                   | 150                    | <0.5                   | 2                      | 0.12                 | <0.5                   | 11                     | 30                     | 109                    | 2.89                 |
| CC146481           |                                   | 0.22                       | 0.004                  | 0.5                    | 1.72                 | 16                     | <10                   | 240                    | <0.5                   | <2                     | 0.10                 | <0.5                   | 10                     | 35                     | 82                     | 3.03                 |
| CC146482           |                                   | 0.24                       | 0.006                  | 0.2                    | 1.28                 | 31                     | <10                   | 100                    | <0.5                   | <2                     | 0.10                 | <0.5                   | 13                     | 24                     | 111                    | 2.81                 |
| CC146483           |                                   | 0.18                       | 0.005                  | 0.2                    | 1.03                 | 13                     | <10                   | 120                    | <0.5                   | <2                     | 0.08                 | <0.5                   | 6                      | 21                     | 46                     | 2.07                 |
| CC146484           |                                   | 0.28                       | 0.010                  | <0.2                   | 1.27                 | 20                     | <10                   | 140                    | <0.5                   | <2                     | 0.08                 | <0.5                   | 12                     | 26                     | 41                     | 2.66                 |
| CC146485           |                                   | 0.28                       | 0.004                  | 0.2                    | 1.29                 | 12                     | <10                   | 100                    | <0.5                   | 2                      | 0.13                 | <0.5                   | 6                      | 23                     | 23                     | 2.47                 |
| CC146486           |                                   | 0.36                       | 0.006                  | 0.4                    | 1.65                 | 13                     | <10                   | 140                    | <0.5                   | <2                     | 0.16                 | <0.5                   | 10                     | 27                     | 74                     | 3.04                 |
| CC146487           |                                   | 0.26                       | 0.003                  | 0.4                    | 1.31                 | 10                     | <10                   | 90                     | <0.5                   | <2                     | 0.13                 | <0.5                   | 7                      | 26                     | 29                     | 2.64                 |
| CC146488           |                                   | 0.22                       | 0.006                  | 0.6                    | 1.37                 | 21                     | <10                   | 110                    | <0.5                   | <2                     | 0.19                 | <0.5                   | 8                      | 33                     | 33                     | 2.90                 |
| CC146489           |                                   | 0.32                       | 0.007                  | 0.9                    | 1.54                 | 16                     | <10                   | 180                    | <0.5                   | <2                     | 0.26                 | 0.9                    | 6                      | 37                     | 40                     | 2.76                 |
| CC146490           |                                   | 0.24                       | 0.005                  | 0.7                    | 1.52                 | 13                     | <10                   | 210                    | <0.5                   | <2                     | 0.28                 | 1.8                    | 7                      | 32                     | 30                     | 2.51                 |
| CC146491           |                                   | 0.34                       | 0.003                  | 0.3                    | 0.99                 | 11                     | <10                   | 90                     | <0.5                   | <2                     | 0.16                 | 0.5                    | 6                      | 23                     | 26                     | 2.22                 |
| CC146492           |                                   | 0.30                       | 0.005                  | 0.8                    | 1.23                 | 9                      | <10                   | 150                    | <0.5                   | <2                     | 0.20                 | 1.7                    | 6                      | 25                     | 22                     | 2.31                 |
| CC146493           |                                   | 0.48                       | 0.004                  | 1.0                    | 1.41                 | 13                     | <10                   | 180                    | <0.5                   | <2                     | 0.33                 | 1.3                    | 8                      | 29                     | 48                     | 2.40                 |
| CC146494           |                                   | 0.26                       | 0.003                  | 2.6                    | 1.30                 | 9                      | <10                   | 260                    | <0.5                   | <2                     | 0.64                 | 2.5                    | 6                      | 25                     | 28                     | 2.05                 |
| CC146495           |                                   | 0.28                       | 0.002                  | 1.4                    | 1.44                 | 8                      | <10                   | 250                    | <0.5                   | <2                     | 0.39                 | <0.5                   | 6                      | 27                     | 16                     | 2.13                 |
| CC146496           |                                   | 0.28                       | <0.001                 | <0.2                   | 1.10                 | 10                     | <10                   | 280                    | <0.5                   | 2                      | 0.54                 | 2.4                    | 6                      | 20                     | 9                      | 2.05                 |
| CC146497           |                                   | 0.28                       | 0.003                  | 0.3                    | 1.45                 | 17                     | <10                   | 160                    | <0.5                   | <2                     | 0.18                 | <0.5                   | 4                      | 22                     | 11                     | 2.23                 |
| CC146498           |                                   | 0.24                       | 0.002                  | 0.3                    | 1.11                 | 12                     | <10                   | 150                    | <0.5                   | <2                     | 0.20                 | <0.5                   | 4                      | 21                     | 10                     | 2.06                 |
| CC146499           |                                   | 0.28                       | 0.002                  | 0.2                    | 1.12                 | 16                     | <10                   | 170                    | <0.5                   | <2                     | 0.23                 | 0.6                    | 4                      | 22                     | 14                     | 2.13                 |
| CC146500           |                                   | 0.32                       | 0.002                  | 0.9                    | 1.62                 | 14                     | <10                   | 270                    | <0.5                   | <2                     | 0.37                 | 0.9                    | 5                      | 29                     | 17                     | 2.51                 |
| DD009426           |                                   | 0.28                       | 0.004                  | 1.1                    | 1.27                 | 23                     | <10                   | 140                    | <0.5                   | 2                      | 0.09                 | 0.6                    | 9                      | 26                     | 51                     | 2.39                 |
| DD009427           |                                   | 0.22                       | 0.002                  | 1.9                    | 1.32                 | 19                     | 10                    | 190                    | <0.5                   | <2                     | 0.08                 | 0.7                    | 5                      | 25                     | 40                     | 2.14                 |
| DD009428           |                                   | 0.32                       | 0.007                  | 0.8                    | 1.27                 | 24                     | <10                   | 110                    | <0.5                   | <2                     | 0.09                 | 0.6                    | 12                     | 23                     | 61                     | 2.53                 |
| DD009429           |                                   | 0.22                       | 0.003                  | 1.0                    | 1.32                 | 20                     | <10                   | 120                    | <0.5                   | <2                     | 0.08                 | <0.5                   | 6                      | 25                     | 43                     | 2.39                 |
| DD009430           |                                   | 0.32                       | 0.003                  | 0.6                    | 1.26                 | 17                     | <10                   | 110                    | <0.5                   | <2                     | 0.12                 | 0.5                    | 6                      | 23                     | 35                     | 2.26                 |
| DD009431           |                                   | 0.34                       | 0.004                  | 7.5                    | 1.50                 | 25                     | <10                   | 190                    | <0.5                   | <2                     | 0.25                 | 4.3                    | 8                      | 25                     | 36                     | 2.62                 |
| DD009432           |                                   | 0.26                       | 0.003                  | 1.1                    | 1.46                 | 19                     | <10                   | 110                    | <0.5                   | <2                     | 0.13                 | 0.5                    | 7                      | 25                     | 30                     | 2.56                 |
| DD009433           |                                   | 0.24                       | 0.006                  | 1.7                    | 1.16                 | 50                     | <10                   | 170                    | <0.5                   | <2                     | 0.31                 | 6.4                    | 5                      | 22                     | 23                     | 2.32                 |



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Page: 2 - B  
 Total # Pages: 3 (A - C)  
 Finalized Date: 28- OCT- 2011  
 Account: F

Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11181096**

| 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 |
|--------------------|-----------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| CC146469           |                                   | <10                          | <1                          | 0.03                        | 30                           | 0.26                         | 381                         | 1                           | 0.01                         | 21                          | 890                         | 64                          | 0.04                        | 5                           | 2                           | 8                           |
| CC146470           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.12                         | 223                         | 1                           | 0.01                         | 16                          | 630                         | 58                          | 0.04                        | 4                           | 1                           | 6                           |
| CC146471           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.26                         | 377                         | 1                           | 0.01                         | 12                          | 540                         | 12                          | 0.03                        | 3                           | 1                           | 8                           |
| CC146472           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.41                         | 409                         | 1                           | 0.01                         | 22                          | 790                         | 17                          | 0.04                        | <2                          | 2                           | 11                          |
| CC146473           |                                   | 10                           | <1                          | 0.03                        | 10                           | 0.34                         | 302                         | 1                           | 0.01                         | 15                          | 460                         | 14                          | 0.04                        | 2                           | 1                           | 8                           |
| CC146474           |                                   | 10                           | <1                          | 0.04                        | 10                           | 0.56                         | 462                         | 1                           | 0.02                         | 26                          | 680                         | 20                          | 0.05                        | <2                          | 2                           | 10                          |
| CC146475           |                                   | 10                           | <1                          | 0.04                        | 10                           | 0.52                         | 463                         | 1                           | 0.02                         | 25                          | 760                         | 21                          | 0.06                        | <2                          | 1                           | 11                          |
| CC146476           |                                   | 10                           | <1                          | 0.03                        | 10                           | 0.30                         | 264                         | 2                           | 0.01                         | 12                          | 330                         | 16                          | 0.04                        | <2                          | 2                           | 9                           |
| CC146477           |                                   | 10                           | <1                          | 0.04                        | 20                           | 0.66                         | 922                         | 2                           | 0.02                         | 31                          | 800                         | 22                          | 0.05                        | 2                           | 2                           | 11                          |
| CC146478           |                                   | 10                           | <1                          | 0.03                        | 10                           | 0.33                         | 373                         | 1                           | 0.01                         | 13                          | 540                         | 14                          | 0.05                        | <2                          | 1                           | 9                           |
| CC146479           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.52                         | 744                         | 1                           | 0.01                         | 29                          | 730                         | 12                          | 0.04                        | <2                          | 2                           | 11                          |
| CC146480           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.52                         | 696                         | 1                           | 0.01                         | 29                          | 790                         | 13                          | 0.03                        | <2                          | 2                           | 12                          |
| CC146481           |                                   | 10                           | <1                          | 0.04                        | 20                           | 0.62                         | 629                         | 1                           | 0.02                         | 27                          | 740                         | 14                          | 0.06                        | <2                          | 2                           | 12                          |
| CC146482           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.45                         | 715                         | 2                           | 0.01                         | 34                          | 830                         | 12                          | 0.04                        | <2                          | 2                           | 12                          |
| CC146483           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.37                         | 267                         | 1                           | 0.01                         | 20                          | 630                         | 10                          | 0.05                        | <2                          | 1                           | 10                          |
| CC146484           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.40                         | 725                         | 1                           | 0.01                         | 21                          | 650                         | 13                          | 0.05                        | <2                          | 1                           | 10                          |
| CC146485           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.40                         | 338                         | 1                           | 0.01                         | 18                          | 790                         | 12                          | 0.03                        | <2                          | 1                           | 10                          |
| CC146486           |                                   | 10                           | <1                          | 0.05                        | 10                           | 0.55                         | 379                         | 1                           | 0.02                         | 23                          | 1000                        | 11                          | 0.03                        | <2                          | 2                           | 12                          |
| CC146487           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.42                         | 316                         | 1                           | 0.02                         | 19                          | 890                         | 12                          | 0.03                        | <2                          | 1                           | 11                          |
| CC146488           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.52                         | 341                         | 2                           | 0.02                         | 28                          | 1110                        | 15                          | 0.03                        | 2                           | 2                           | 23                          |
| CC146489           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.70                         | 241                         | 6                           | 0.02                         | 29                          | 1260                        | 25                          | 0.04                        | 2                           | 2                           | 24                          |
| CC146490           |                                   | 10                           | <1                          | 0.04                        | 10                           | 0.53                         | 421                         | 3                           | 0.01                         | 22                          | 1290                        | 22                          | 0.07                        | <2                          | 1                           | 18                          |
| CC146491           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.39                         | 260                         | 1                           | 0.01                         | 18                          | 710                         | 21                          | 0.03                        | <2                          | 1                           | 10                          |
| CC146492           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.44                         | 244                         | 1                           | 0.02                         | 16                          | 800                         | 12                          | 0.04                        | <2                          | 1                           | 13                          |
| CC146493           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.55                         | 262                         | 1                           | 0.02                         | 23                          | 810                         | 27                          | 0.04                        | <2                          | 3                           | 16                          |
| CC146494           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.46                         | 269                         | 1                           | 0.02                         | 19                          | 1120                        | 19                          | 0.09                        | <2                          | 2                           | 28                          |
| CC146495           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.47                         | 190                         | 1                           | 0.02                         | 17                          | 1160                        | 18                          | 0.07                        | <2                          | 2                           | 19                          |
| CC146496           |                                   | 10                           | <1                          | 0.06                        | 10                           | 0.25                         | 888                         | 2                           | 0.01                         | 10                          | 1080                        | 14                          | 0.08                        | <2                          | 1                           | 24                          |
| CC146497           |                                   | 10                           | <1                          | 0.03                        | 10                           | 0.36                         | 144                         | 2                           | 0.01                         | 13                          | 490                         | 21                          | 0.03                        | <2                          | 1                           | 11                          |
| CC146498           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.30                         | 278                         | 2                           | 0.01                         | 12                          | 680                         | 13                          | 0.03                        | <2                          | 1                           | 12                          |
| CC146499           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.29                         | 258                         | 3                           | 0.02                         | 15                          | 680                         | 17                          | 0.02                        | <2                          | 1                           | 13                          |
| CC146500           |                                   | 10                           | <1                          | 0.04                        | 10                           | 0.44                         | 353                         | 3                           | 0.02                         | 18                          | 1780                        | 13                          | 0.07                        | <2                          | 1                           | 19                          |
| DD009426           |                                   | 10                           | <1                          | 0.04                        | 10                           | 0.41                         | 668                         | 2                           | 0.02                         | 19                          | 800                         | 41                          | 0.06                        | 2                           | 1                           | 10                          |
| DD009427           |                                   | 10                           | <1                          | 0.04                        | 10                           | 0.37                         | 309                         | 2                           | 0.02                         | 18                          | 1070                        | 45                          | 0.09                        | <2                          | <1                          | 11                          |
| DD009428           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.43                         | 872                         | 2                           | 0.02                         | 24                          | 660                         | 43                          | 0.01                        | <2                          | 2                           | 9                           |
| DD009429           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.47                         | 346                         | 2                           | 0.02                         | 21                          | 630                         | 41                          | 0.04                        | <2                          | 1                           | 9                           |
| DD009430           |                                   | 10                           | <1                          | 0.03                        | 10                           | 0.36                         | 378                         | 1                           | 0.02                         | 18                          | 740                         | 25                          | 0.02                        | <2                          | 1                           | 10                          |
| DD009431           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.42                         | 642                         | 2                           | 0.02                         | 27                          | 1050                        | 59                          | 0.03                        | <2                          | 2                           | 15                          |
| DD009432           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.42                         | 650                         | 1                           | 0.02                         | 19                          | 720                         | 40                          | 0.01                        | 2                           | 2                           | 9                           |
| DD009433           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.37                         | 377                         | 2                           | 0.02                         | 23                          | 890                         | 46                          | 0.03                        | 2                           | 1                           | 15                          |



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 Account: F

Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11181096**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                    |                                   | Th        | Ti        | Ti        | U         | V         | W         | Zn        |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1  | ppm<br>10 | ppm<br>2  |
| CC146469           |                                   | <20       | 0.02      | <10       | <10       | 24        | <10       | 141       |
| CC146470           |                                   | <20       | 0.01      | <10       | <10       | 15        | <10       | 123       |
| CC146471           |                                   | <20       | 0.03      | <10       | <10       | 32        | <10       | 75        |
| CC146472           |                                   | <20       | 0.03      | <10       | <10       | 42        | <10       | 97        |
| CC146473           |                                   | <20       | 0.03      | <10       | <10       | 41        | <10       | 60        |
| CC146474           |                                   | <20       | 0.03      | <10       | <10       | 43        | <10       | 103       |
| CC146475           |                                   | <20       | 0.04      | <10       | <10       | 47        | <10       | 104       |
| CC146476           |                                   | <20       | 0.05      | <10       | <10       | 63        | <10       | 44        |
| CC146477           |                                   | <20       | 0.03      | <10       | <10       | 45        | <10       | 98        |
| CC146478           |                                   | <20       | 0.04      | <10       | <10       | 47        | <10       | 51        |
| CC146479           |                                   | <20       | 0.03      | <10       | <10       | 39        | <10       | 83        |
| CC146480           |                                   | <20       | 0.04      | <10       | <10       | 44        | <10       | 80        |
| CC146481           |                                   | <20       | 0.03      | <10       | <10       | 51        | <10       | 86        |
| CC146482           |                                   | <20       | 0.03      | <10       | <10       | 33        | <10       | 79        |
| CC146483           |                                   | <20       | 0.02      | <10       | <10       | 31        | <10       | 62        |
| CC146484           |                                   | <20       | 0.03      | <10       | <10       | 43        | <10       | 83        |
| CC146485           |                                   | <20       | 0.03      | <10       | <10       | 38        | <10       | 82        |
| CC146486           |                                   | <20       | 0.05      | <10       | <10       | 54        | <10       | 110       |
| CC146487           |                                   | <20       | 0.03      | <10       | <10       | 44        | <10       | 106       |
| CC146488           |                                   | <20       | 0.03      | <10       | <10       | 41        | <10       | 146       |
| CC146489           |                                   | <20       | 0.01      | <10       | <10       | 35        | <10       | 327       |
| CC146490           |                                   | <20       | 0.01      | <10       | <10       | 43        | <10       | 176       |
| CC146491           |                                   | <20       | 0.03      | <10       | <10       | 34        | <10       | 112       |
| CC146492           |                                   | <20       | 0.03      | <10       | <10       | 35        | <10       | 229       |
| CC146493           |                                   | <20       | 0.04      | <10       | <10       | 43        | <10       | 197       |
| CC146494           |                                   | <20       | 0.02      | <10       | <10       | 34        | <10       | 195       |
| CC146495           |                                   | <20       | 0.02      | <10       | <10       | 39        | <10       | 123       |
| CC146496           |                                   | <20       | 0.03      | <10       | <10       | 53        | <10       | 107       |
| CC146497           |                                   | <20       | 0.02      | <10       | <10       | 41        | <10       | 74        |
| CC146498           |                                   | <20       | 0.02      | <10       | <10       | 36        | <10       | 67        |
| CC146499           |                                   | <20       | 0.02      | <10       | <10       | 34        | <10       | 90        |
| CC146500           |                                   | <20       | 0.01      | <10       | <10       | 40        | <10       | 175       |
| DD009426           |                                   | <20       | 0.03      | <10       | <10       | 40        | <10       | 88        |
| DD009427           |                                   | <20       | 0.02      | <10       | <10       | 38        | <10       | 76        |
| DD009428           |                                   | <20       | 0.04      | <10       | <10       | 38        | <10       | 93        |
| DD009429           |                                   | <20       | 0.03      | <10       | <10       | 41        | <10       | 87        |
| DD009430           |                                   | <20       | 0.04      | <10       | <10       | 42        | <10       | 87        |
| DD009431           |                                   | <20       | 0.03      | <10       | <10       | 39        | <10       | 403       |
| DD009432           |                                   | <20       | 0.04      | <10       | <10       | 38        | <10       | 146       |
| DD009433           |                                   | <20       | 0.02      | <10       | <10       | 32        | <10       | 448       |



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**CERTIFICATE OF ANALYSIS    WH11181096**

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**CERTIFICATE OF ANALYSIS    WH11181096**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                    |                                   | Th        | Ti        | Tl        | U         | V         | W         | Zn        |
|                    |                                   | ppm       | %         | ppm       | ppm       | ppm       | ppm       | ppm       |
|                    |                                   | 20        | 0.01      | 10        | 10        | 1         | 10        | 2         |
| DD009434           |                                   | <20       | 0.01      | <10       | <10       | 36        | <10       | 261       |
| DD009435           |                                   | <20       | 0.02      | <10       | <10       | 33        | <10       | 664       |
| DD009436           |                                   | <20       | 0.01      | <10       | <10       | 40        | <10       | 328       |
| DD009437           |                                   | <20       | 0.02      | <10       | <10       | 44        | <10       | 601       |
| DD009438           |                                   | <20       | 0.01      | <10       | <10       | 36        | <10       | 502       |
| DD009439           |                                   | <20       | 0.04      | <10       | <10       | 52        | <10       | 485       |
| DD009440           |                                   | <20       | 0.04      | <10       | <10       | 43        | <10       | 329       |
| DD009441           |                                   | <20       | 0.05      | <10       | <10       | 41        | <10       | 200       |
| DD009442           |                                   | <20       | 0.04      | <10       | <10       | 55        | <10       | 95        |
| DD009443           |                                   | <20       | 0.04      | <10       | <10       | 48        | <10       | 89        |
|                    |                                   |           |           |           |           |           |           |           |



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**CERTIFICATE WH11184562**

Project: Mill City- Gram

P.O. No.:

This report is for 125 Soil samples submitted to our lab in Whitehorse, YT, Canada on 11- SEP- 2011.

The following have access to data associated with this certificate:

DOUG EATON

SARAH EATON

JOAN MARIACHER

**SAMPLE PREPARATION**

| ALS CODE | DESCRIPTION                     |
|----------|---------------------------------|
| WEI- 21  | Received Sample Weight          |
| LOG- 22  | Sample login - Rcd w/o BarCode  |
| SCR- 41  | Screen to - 180um and save both |

**ANALYTICAL PROCEDURES**

| ALS CODE  | DESCRIPTION                    | INSTRUMENT |
|-----------|--------------------------------|------------|
| Au- ICP21 | Au 30g FA ICP- AES Finish      | ICP- AES   |
| ME- ICP41 | 35 Element Aqua Regia ICP- AES | ICP- AES   |

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**  
**ATTN: JOAN MARIACHER**  
**1016- 510 W HASTINGS ST**  
**VANCOUVER BC V6B 1L8**

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:

Colin Ramshaw, Vancouver Laboratory Manager



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Plus Appendix Pages  
Finalized Date: 26- OCT- 2011  
Account: F

Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11184562**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI- 21<br>Recvd Wt.<br>kg | Au- ICP21<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                       | 0.001                  | 0.2                    | 0.01                 | 2                      | 10                    | 10                     | 0.5                    | 2                      | 0.01                 | 0.5                    | 1                      | 1                      | 1                      | 0.01                 |
| CC146344           |                                   | 0.24                       | 0.001                  | 2.8                    | 1.44                 | 11                     | <10                   | 200                    | <0.5                   | <2                     | 0.22                 | 3.0                    | 6                      | 24                     | 32                     | 2.23                 |
| CC146345           |                                   | 0.14                       | NSS                    | 0.6                    | 1.31                 | 15                     | <10                   | 250                    | <0.5                   | <2                     | 0.59                 | 7.0                    | 10                     | 22                     | 19                     | 2.37                 |
| CC146346           |                                   | 0.16                       | 0.006                  | 0.7                    | 1.22                 | 11                     | <10                   | 150                    | <0.5                   | <2                     | 0.34                 | 3.2                    | 6                      | 27                     | 24                     | 2.05                 |
| CC146347           |                                   | 0.14                       | NSS                    | 1.8                    | 1.48                 | 15                     | <10                   | 270                    | 0.5                    | <2                     | 0.34                 | 2.0                    | 10                     | 23                     | 23                     | 2.76                 |
| CC146348           |                                   | 0.12                       | 0.001                  | 0.4                    | 1.69                 | 16                     | <10                   | 140                    | <0.5                   | <2                     | 0.27                 | 1.8                    | 11                     | 32                     | 23                     | 2.88                 |
| CC146349           |                                   | 0.26                       | 0.005                  | 0.7                    | 1.29                 | 6                      | <10                   | 90                     | <0.5                   | <2                     | 0.15                 | 0.5                    | 6                      | 26                     | 97                     | 2.06                 |
| CC146350           |                                   | 0.22                       | 0.003                  | 0.4                    | 1.95                 | 12                     | <10                   | 220                    | <0.5                   | <2                     | 0.24                 | <0.5                   | 11                     | 35                     | 111                    | 3.05                 |
| CC146351           |                                   | 0.18                       | 0.005                  | 0.5                    | 0.97                 | 66                     | <10                   | 70                     | <0.5                   | 2                      | 0.07                 | <0.5                   | 4                      | 26                     | 23                     | 3.27                 |
| CC146352           |                                   | 0.18                       | 0.006                  | <0.2                   | 0.89                 | 22                     | <10                   | 80                     | <0.5                   | <2                     | 0.08                 | <0.5                   | 5                      | 16                     | 18                     | 2.00                 |
| CC146353           |                                   | 0.22                       | 0.018                  | 0.6                    | 1.21                 | 40                     | <10                   | 120                    | <0.5                   | <2                     | 0.11                 | <0.5                   | 3                      | 30                     | 40                     | 2.80                 |
| CC146354           |                                   | 0.22                       | 0.005                  | <0.2                   | 1.33                 | 23                     | <10                   | 120                    | <0.5                   | <2                     | 0.09                 | <0.5                   | 8                      | 24                     | 58                     | 2.80                 |
| CC146355           |                                   | 0.16                       | NSS                    | 0.8                    | 1.93                 | 87                     | <10                   | 350                    | <0.5                   | <2                     | 0.08                 | <0.5                   | 24                     | 33                     | 138                    | 3.96                 |
| CC146356           |                                   | 0.20                       | 0.003                  | 0.3                    | 0.98                 | 16                     | <10                   | 80                     | <0.5                   | <2                     | 0.12                 | <0.5                   | 4                      | 20                     | 25                     | 2.55                 |
| CC146357           |                                   | 0.36                       | 0.005                  | 0.4                    | 0.78                 | 26                     | <10                   | 90                     | <0.5                   | <2                     | 0.14                 | <0.5                   | 5                      | 18                     | 28                     | 2.45                 |
| CC146358           |                                   | 0.18                       | 0.005                  | 0.2                    | 1.47                 | 34                     | <10                   | 180                    | <0.5                   | <2                     | 0.09                 | <0.5                   | 9                      | 25                     | 47                     | 3.09                 |
| CC146359           |                                   | 0.14                       | 0.005                  | <0.2                   | 1.46                 | 40                     | <10                   | 150                    | <0.5                   | <2                     | 0.09                 | <0.5                   | 6                      | 26                     | 41                     | 3.05                 |
| CC146360           |                                   | 0.22                       | 0.006                  | <0.2                   | 0.86                 | 20                     | <10                   | 70                     | <0.5                   | <2                     | 0.08                 | <0.5                   | 7                      | 19                     | 34                     | 2.27                 |
| CC146361           |                                   | 0.16                       | 0.006                  | <0.2                   | 1.21                 | 23                     | <10                   | 120                    | <0.5                   | <2                     | 0.08                 | <0.5                   | 5                      | 23                     | 31                     | 2.58                 |
| CC146362           |                                   | 0.24                       | 0.003                  | 0.4                    | 0.95                 | 36                     | <10                   | 70                     | <0.5                   | <2                     | 0.07                 | <0.5                   | 4                      | 19                     | 26                     | 2.28                 |
| CC146363           |                                   | 0.22                       | 0.003                  | <0.2                   | 1.55                 | 14                     | <10                   | 150                    | <0.5                   | <2                     | 0.16                 | <0.5                   | 9                      | 31                     | 31                     | 2.39                 |
| CC146364           |                                   | 0.20                       | 0.002                  | 0.2                    | 1.49                 | 26                     | <10                   | 100                    | <0.5                   | <2                     | 0.09                 | <0.5                   | 6                      | 28                     | 29                     | 2.62                 |
| CC146365           |                                   | 0.20                       | 0.003                  | <0.2                   | 1.54                 | 15                     | <10                   | 100                    | <0.5                   | 2                      | 0.10                 | <0.5                   | 7                      | 28                     | 32                     | 2.79                 |
| CC146366           |                                   | 0.24                       | 0.009                  | <0.2                   | 1.56                 | 13                     | <10                   | 160                    | <0.5                   | <2                     | 0.16                 | 0.6                    | 11                     | 33                     | 68                     | 2.67                 |
| CC146367           |                                   | 0.14                       | 0.001                  | <0.2                   | 1.46                 | 13                     | <10                   | 100                    | <0.5                   | <2                     | 0.09                 | <0.5                   | 6                      | 26                     | 27                     | 2.57                 |
| CC146368           |                                   | 0.24                       | 0.002                  | 0.5                    | 1.40                 | 13                     | <10                   | 100                    | <0.5                   | <2                     | 0.11                 | <0.5                   | 6                      | 27                     | 29                     | 2.42                 |
| CC146369           |                                   | 0.14                       | 0.001                  | 0.2                    | 1.45                 | 14                     | <10                   | 170                    | <0.5                   | <2                     | 0.10                 | 0.6                    | 7                      | 25                     | 26                     | 2.91                 |
| CC146370           |                                   | 0.24                       | 0.004                  | <0.2                   | 1.47                 | 11                     | <10                   | 150                    | <0.5                   | <2                     | 0.10                 | 0.7                    | 10                     | 19                     | 31                     | 2.93                 |
| CC146371           |                                   | 0.22                       | 0.004                  | <0.2                   | 1.61                 | 7                      | <10                   | 180                    | <0.5                   | <2                     | 0.09                 | <0.5                   | 8                      | 19                     | 24                     | 3.31                 |
| CC146372           |                                   | 0.22                       | 0.003                  | 0.2                    | 1.27                 | 12                     | <10                   | 110                    | <0.5                   | <2                     | 0.10                 | <0.5                   | 10                     | 21                     | 66                     | 2.34                 |
| CC146373           |                                   | 0.20                       | 0.001                  | <0.2                   | 1.23                 | 10                     | <10                   | 80                     | <0.5                   | <2                     | 0.07                 | <0.5                   | 5                      | 22                     | 19                     | 2.21                 |
| CC146374           |                                   | 0.16                       | <0.001                 | <0.2                   | 1.00                 | 8                      | <10                   | 70                     | <0.5                   | <2                     | 0.08                 | <0.5                   | 4                      | 19                     | 22                     | 2.08                 |
| CC146375           |                                   | 0.18                       | 0.001                  | <0.2                   | 1.08                 | 5                      | <10                   | 100                    | <0.5                   | <2                     | 0.10                 | <0.5                   | 4                      | 19                     | 27                     | 2.05                 |
| CC146376           |                                   | 0.18                       | 0.002                  | <0.2                   | 1.42                 | 6                      | <10                   | 120                    | <0.5                   | <2                     | 0.23                 | <0.5                   | 9                      | 19                     | 138                    | 2.40                 |
| CC146377           |                                   | 0.18                       | 0.005                  | 0.8                    | 1.29                 | 42                     | <10                   | 90                     | <0.5                   | <2                     | 0.18                 | 0.7                    | 10                     | 24                     | 85                     | 2.93                 |
| CC146378           |                                   | 0.14                       | 0.005                  | 0.7                    | 1.11                 | 23                     | <10                   | 90                     | <0.5                   | <2                     | 0.18                 | 0.9                    | 7                      | 23                     | 69                     | 3.04                 |
| CC146379           |                                   | 0.14                       | 0.006                  | <0.2                   | 0.70                 | 12                     | <10                   | 80                     | <0.5                   | <2                     | 0.13                 | 0.9                    | 5                      | 19                     | 27                     | 2.02                 |
| CC146380           |                                   | 0.18                       | 0.001                  | 0.7                    | 1.33                 | 23                     | <10                   | 120                    | <0.5                   | <2                     | 0.15                 | 0.6                    | 8                      | 25                     | 41                     | 2.78                 |
| CC146381           |                                   | 0.14                       | 0.003                  | 0.9                    | 1.75                 | 39                     | <10                   | 190                    | 0.5                    | <2                     | 0.12                 | 1.0                    | 16                     | 30                     | 66                     | 3.82                 |
| CC146382           |                                   | 0.16                       | 0.003                  | 0.5                    | 1.22                 | 31                     | <10                   | 100                    | <0.5                   | <2                     | 0.09                 | 0.5                    | 6                      | 22                     | 35                     | 2.87                 |
| CC146383           |                                   | 0.14                       | 0.005                  | 0.8                    | 1.44                 | 30                     | <10                   | 120                    | <0.5                   | <2                     | 0.10                 | 0.5                    | 6                      | 26                     | 30                     | 2.96                 |



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Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11184562**

| 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 |
|--------------------|-----------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| CC146344           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.44                         | 409                         | 1                           | 0.01                         | 23                          | 1320                        | 25                          | 0.02                        | <2                          | 1                           | 13                          |
| CC146345           |                                   | <10                          | <1                          | 0.07                        | 10                           | 0.36                         | 959                         | 3                           | 0.01                         | 19                          | 2300                        | 26                          | 0.14                        | <2                          | 1                           | 27                          |
| CC146346           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.55                         | 231                         | 2                           | 0.01                         | 22                          | 1050                        | 13                          | 0.04                        | <2                          | 1                           | 16                          |
| CC146347           |                                   | <10                          | <1                          | 0.05                        | 10                           | 0.31                         | 1535                        | 4                           | 0.01                         | 15                          | 3360                        | 37                          | 0.23                        | 2                           | 1                           | 20                          |
| CC146348           |                                   | 10                           | <1                          | 0.05                        | 10                           | 0.39                         | 1205                        | 3                           | 0.01                         | 16                          | 1680                        | 30                          | 0.11                        | 2                           | 1                           | 14                          |
| CC146349           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.42                         | 305                         | 1                           | 0.01                         | 19                          | 800                         | 22                          | 0.06                        | <2                          | 1                           | 34                          |
| CC146350           |                                   | <10                          | <1                          | 0.05                        | 10                           | 0.64                         | 569                         | 1                           | 0.01                         | 26                          | 850                         | 21                          | <0.01                       | <2                          | 3                           | 23                          |
| CC146351           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.26                         | 206                         | 1                           | 0.01                         | 13                          | 690                         | 74                          | 0.04                        | 5                           | 2                           | 19                          |
| CC146352           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.21                         | 205                         | 1                           | <0.01                        | 15                          | 510                         | 15                          | 0.01                        | 4                           | 1                           | 11                          |
| CC146353           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.58                         | 344                         | 4                           | 0.01                         | 15                          | 1230                        | 18                          | 0.03                        | 3                           | 2                           | 60                          |
| CC146354           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.36                         | 418                         | 2                           | 0.01                         | 27                          | 790                         | 10                          | 0.01                        | 3                           | 2                           | 12                          |
| CC146355           |                                   | <10                          | <1                          | 0.07                        | 20                           | 0.42                         | 1715                        | 3                           | 0.01                         | 42                          | 1580                        | 36                          | 0.09                        | 5                           | 2                           | 21                          |
| CC146356           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.30                         | 247                         | 1                           | 0.01                         | 18                          | 680                         | 18                          | 0.01                        | 2                           | 2                           | 11                          |
| CC146357           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.26                         | 282                         | 1                           | 0.01                         | 17                          | 750                         | 27                          | <0.01                       | 3                           | 2                           | 12                          |
| CC146358           |                                   | <10                          | <1                          | 0.05                        | 20                           | 0.41                         | 479                         | 2                           | 0.01                         | 25                          | 920                         | 12                          | 0.04                        | 2                           | 2                           | 14                          |
| CC146359           |                                   | <10                          | <1                          | 0.05                        | 20                           | 0.42                         | 309                         | 1                           | 0.01                         | 23                          | 860                         | 13                          | 0.04                        | <2                          | 2                           | 13                          |
| CC146360           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.27                         | 370                         | 1                           | <0.01                        | 20                          | 630                         | 11                          | <0.01                       | 4                           | 2                           | 8                           |
| CC146361           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.36                         | 240                         | 1                           | 0.01                         | 18                          | 630                         | 11                          | 0.01                        | 2                           | 2                           | 10                          |
| CC146362           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.26                         | 153                         | 1                           | <0.01                        | 14                          | 630                         | 27                          | <0.01                       | 3                           | 2                           | 9                           |
| CC146363           |                                   | <10                          | <1                          | 0.05                        | 20                           | 0.47                         | 239                         | 1                           | <0.01                        | 26                          | 910                         | 13                          | <0.01                       | 2                           | 3                           | 16                          |
| CC146364           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.41                         | 124                         | 1                           | <0.01                        | 20                          | 740                         | 14                          | 0.01                        | 2                           | 3                           | 10                          |
| CC146365           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.41                         | 136                         | 1                           | 0.01                         | 21                          | 600                         | 12                          | <0.01                       | 2                           | 4                           | 11                          |
| CC146366           |                                   | <10                          | <1                          | 0.05                        | 10                           | 0.47                         | 377                         | 1                           | 0.01                         | 28                          | 710                         | 9                           | <0.01                       | 2                           | 4                           | 14                          |
| CC146367           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.38                         | 269                         | 1                           | 0.01                         | 20                          | 760                         | 10                          | 0.04                        | 2                           | 2                           | 11                          |
| CC146368           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.40                         | 183                         | 1                           | <0.01                        | 20                          | 710                         | 10                          | <0.01                       | 3                           | 2                           | 10                          |
| CC146369           |                                   | <10                          | <1                          | 0.05                        | 10                           | 0.45                         | 392                         | 1                           | 0.01                         | 18                          | 790                         | 17                          | 0.04                        | 2                           | 1                           | 12                          |
| CC146370           |                                   | <10                          | <1                          | 0.07                        | 30                           | 0.59                         | 367                         | 1                           | <0.01                        | 18                          | 670                         | 17                          | <0.01                       | <2                          | 4                           | 12                          |
| CC146371           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.63                         | 557                         | 1                           | 0.01                         | 14                          | 680                         | 16                          | 0.01                        | <2                          | 3                           | 12                          |
| CC146372           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.43                         | 278                         | <1                          | 0.01                         | 20                          | 510                         | 18                          | 0.01                        | 2                           | 2                           | 10                          |
| CC146373           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.30                         | 110                         | <1                          | 0.01                         | 15                          | 620                         | 9                           | 0.02                        | 2                           | 1                           | 8                           |
| CC146374           |                                   | <10                          | <1                          | 0.02                        | 10                           | 0.28                         | 114                         | 2                           | 0.01                         | 15                          | 550                         | 7                           | 0.03                        | <2                          | 1                           | 10                          |
| CC146375           |                                   | 10                           | <1                          | 0.02                        | 10                           | 0.29                         | 116                         | <1                          | 0.01                         | 10                          | 390                         | 6                           | 0.03                        | <2                          | 1                           | 11                          |
| CC146376           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.48                         | 234                         | <1                          | 0.02                         | 19                          | 740                         | 5                           | 0.01                        | <2                          | 2                           | 30                          |
| CC146377           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.42                         | 376                         | 1                           | 0.02                         | 30                          | 960                         | 34                          | 0.03                        | 5                           | 2                           | 26                          |
| CC146378           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.35                         | 211                         | 1                           | 0.02                         | 26                          | 970                         | 29                          | 0.03                        | 7                           | 2                           | 17                          |
| CC146379           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.23                         | 146                         | <1                          | 0.02                         | 15                          | 670                         | 11                          | 0.06                        | 2                           | 1                           | 15                          |
| CC146380           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.40                         | 353                         | 1                           | 0.02                         | 21                          | 870                         | 26                          | 0.04                        | 3                           | 2                           | 14                          |
| CC146381           |                                   | 10                           | 1                           | 0.04                        | 10                           | 0.52                         | 1155                        | 1                           | 0.02                         | 28                          | 1070                        | 45                          | 0.06                        | 7                           | 2                           | 15                          |
| CC146382           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.35                         | 338                         | 1                           | 0.01                         | 16                          | 770                         | 27                          | 0.04                        | 4                           | 1                           | 10                          |
| CC146383           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.40                         | 359                         | 1                           | 0.01                         | 16                          | 860                         | 27                          | 0.06                        | 3                           | 1                           | 11                          |



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Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11184562**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                    |                                   | Th        | Ti        | Ti        | U         | V         | W         | Zn        |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1  | ppm<br>10 | ppm<br>2  |
| CC146344           |                                   | <20       | 0.02      | <10       | <10       | 32        | <10       | 441       |
| CC146345           |                                   | <20       | 0.01      | <10       | <10       | 40        | <10       | 330       |
| CC146346           |                                   | <20       | 0.02      | <10       | <10       | 35        | <10       | 309       |
| CC146347           |                                   | <20       | 0.01      | <10       | <10       | 44        | <10       | 153       |
| CC146348           |                                   | <20       | 0.01      | <10       | <10       | 59        | <10       | 149       |
| CC146349           |                                   | <20       | 0.03      | <10       | <10       | 46        | <10       | 74        |
| CC146350           |                                   | <20       | 0.05      | <10       | <10       | 57        | <10       | 105       |
| CC146351           |                                   | <20       | 0.04      | <10       | <10       | 42        | <10       | 52        |
| CC146352           |                                   | <20       | 0.03      | <10       | <10       | 30        | <10       | 51        |
| CC146353           |                                   | <20       | 0.02      | <10       | <10       | 36        | <10       | 71        |
| CC146354           |                                   | <20       | 0.04      | <10       | <10       | 41        | <10       | 81        |
| CC146355           |                                   | <20       | 0.02      | <10       | <10       | 46        | <10       | 105       |
| CC146356           |                                   | <20       | 0.04      | <10       | <10       | 35        | <10       | 77        |
| CC146357           |                                   | <20       | 0.03      | <10       | <10       | 30        | <10       | 82        |
| CC146358           |                                   | <20       | 0.03      | <10       | <10       | 44        | <10       | 80        |
| CC146359           |                                   | <20       | 0.03      | <10       | <10       | 47        | <10       | 78        |
| CC146360           |                                   | <20       | 0.04      | <10       | <10       | 30        | <10       | 63        |
| CC146361           |                                   | <20       | 0.03      | <10       | <10       | 39        | <10       | 61        |
| CC146362           |                                   | <20       | 0.03      | <10       | <10       | 31        | <10       | 57        |
| CC146363           |                                   | <20       | 0.05      | <10       | <10       | 49        | <10       | 90        |
| CC146364           |                                   | <20       | 0.05      | <10       | <10       | 45        | <10       | 69        |
| CC146365           |                                   | <20       | 0.06      | <10       | <10       | 45        | <10       | 66        |
| CC146366           |                                   | <20       | 0.08      | <10       | <10       | 51        | <10       | 102       |
| CC146367           |                                   | <20       | 0.04      | <10       | <10       | 47        | <10       | 70        |
| CC146368           |                                   | <20       | 0.04      | <10       | <10       | 42        | <10       | 94        |
| CC146369           |                                   | <20       | 0.04      | <10       | <10       | 53        | <10       | 90        |
| CC146370           |                                   | <20       | 0.06      | <10       | <10       | 35        | <10       | 116       |
| CC146371           |                                   | <20       | 0.06      | <10       | <10       | 34        | <10       | 87        |
| CC146372           |                                   | <20       | 0.05      | <10       | <10       | 35        | <10       | 76        |
| CC146373           |                                   | <20       | 0.03      | <10       | <10       | 32        | <10       | 51        |
| CC146374           |                                   | <20       | 0.02      | <10       | <10       | 30        | <10       | 46        |
| CC146375           |                                   | <20       | 0.06      | <10       | <10       | 59        | <10       | 37        |
| CC146376           |                                   | <20       | 0.05      | <10       | <10       | 49        | <10       | 55        |
| CC146377           |                                   | <20       | 0.04      | <10       | <10       | 40        | <10       | 114       |
| CC146378           |                                   | <20       | 0.03      | <10       | <10       | 34        | <10       | 131       |
| CC146379           |                                   | <20       | 0.03      | <10       | <10       | 34        | <10       | 74        |
| CC146380           |                                   | <20       | 0.04      | <10       | <10       | 41        | <10       | 109       |
| CC146381           |                                   | <20       | 0.03      | <10       | <10       | 48        | <10       | 167       |
| CC146382           |                                   | <20       | 0.03      | <10       | <10       | 37        | <10       | 106       |
| CC146383           |                                   | <20       | 0.03      | <10       | <10       | 45        | <10       | 95        |



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Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11184562**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI- 21<br>Recvd Wt.<br>kg | Au- ICP21<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                       | 0.001                  | 0.2                    | 0.01                 | 2                      | 10                    | 10                     | 0.5                    | 2                      | 0.01                 | 0.5                    | 1                      | 1                      | 1                      | 0.01                 |
| CC146384           |                                   | 0.18                       | 0.002                  | 0.8                    | 1.41                 | 27                     | <10                   | 110                    | <0.5                   | <2                     | 0.11                 | 0.5                    | 6                      | 26                     | 28                     | 2.96                 |
| CC146385           |                                   | 0.14                       | 0.003                  | 0.7                    | 1.35                 | 22                     | <10                   | 110                    | <0.5                   | <2                     | 0.09                 | <0.5                   | 6                      | 25                     | 25                     | 2.65                 |
| CC146386           |                                   | 0.24                       | 0.005                  | 0.4                    | 1.51                 | 15                     | <10                   | 100                    | <0.5                   | <2                     | 0.09                 | <0.5                   | 9                      | 27                     | 39                     | 2.70                 |
| CC146387           |                                   | 0.22                       | <0.001                 | 0.5                    | 1.47                 | 9                      | <10                   | 90                     | <0.5                   | <2                     | 0.08                 | <0.5                   | 6                      | 28                     | 32                     | 2.37                 |
| CC146388           |                                   | 0.16                       | 0.005                  | 0.3                    | 1.24                 | 13                     | <10                   | 120                    | <0.5                   | <2                     | 0.08                 | <0.5                   | 7                      | 26                     | 25                     | 2.42                 |
| CC146389           |                                   | 0.16                       | 0.005                  | 0.9                    | 1.27                 | 13                     | <10                   | 200                    | <0.5                   | <2                     | 0.14                 | 0.6                    | 14                     | 27                     | 23                     | 2.69                 |
| CC146390           |                                   | 0.18                       | 0.001                  | 0.4                    | 1.16                 | 9                      | <10                   | 90                     | <0.5                   | <2                     | 0.11                 | <0.5                   | 6                      | 23                     | 31                     | 2.23                 |
| CC146391           |                                   | 0.18                       | 0.001                  | 0.2                    | 1.33                 | 10                     | <10                   | 90                     | <0.5                   | <2                     | 0.14                 | <0.5                   | 6                      | 25                     | 31                     | 2.41                 |
| CC146392           |                                   | 0.22                       | 0.001                  | 0.3                    | 1.29                 | 10                     | <10                   | 90                     | <0.5                   | <2                     | 0.17                 | <0.5                   | 7                      | 23                     | 23                     | 2.24                 |
| CC146393           |                                   | 0.24                       | 0.002                  | 1.0                    | 1.33                 | 13                     | <10                   | 100                    | <0.5                   | <2                     | 0.17                 | 0.6                    | 8                      | 23                     | 34                     | 2.41                 |
| CC146394           |                                   | 0.24                       | 0.002                  | 1.4                    | 1.09                 | 56                     | <10                   | 80                     | <0.5                   | <2                     | 0.17                 | 1.3                    | 8                      | 23                     | 27                     | 2.77                 |
| CC146395           |                                   | 0.12                       | 0.002                  | 1.0                    | 1.28                 | 26                     | <10                   | 100                    | <0.5                   | <2                     | 0.11                 | 0.5                    | 6                      | 26                     | 28                     | 2.61                 |
| CC146396           |                                   | 0.24                       | 0.004                  | 0.8                    | 1.09                 | 15                     | <10                   | 80                     | <0.5                   | <2                     | 0.06                 | <0.5                   | 4                      | 23                     | 21                     | 2.22                 |
| CC146397           |                                   | 0.16                       | 0.001                  | 0.9                    | 1.46                 | 13                     | <10                   | 80                     | <0.5                   | <2                     | 0.12                 | 0.5                    | 5                      | 26                     | 22                     | 2.81                 |
| CC146398           |                                   | 0.24                       | 0.006                  | 0.4                    | 1.48                 | 13                     | <10                   | 160                    | <0.5                   | <2                     | 0.22                 | 0.5                    | 10                     | 29                     | 70                     | 2.62                 |
| CC146399           |                                   | 0.22                       | 0.003                  | 5.2                    | 1.41                 | 82                     | <10                   | 100                    | <0.5                   | <2                     | 0.21                 | 2.5                    | 9                      | 26                     | 88                     | 2.69                 |
| CC146400           |                                   | 0.32                       | 0.086                  | 86.6                   | 1.48                 | 1080                   | <10                   | 150                    | 0.5                    | 3                      | 0.28                 | 158.0                  | 28                     | 19                     | 329                    | 7.93                 |
| CC146401           |                                   | 0.16                       | 0.002                  | 0.4                    | 0.88                 | 16                     | <10                   | 50                     | <0.5                   | <2                     | 0.04                 | <0.5                   | 3                      | 19                     | 18                     | 2.73                 |
| CC146402           |                                   | 0.22                       | 0.012                  | 0.3                    | 1.49                 | 19                     | <10                   | 110                    | <0.5                   | <2                     | 0.15                 | <0.5                   | 9                      | 29                     | 56                     | 3.22                 |
| CC146403           |                                   | 0.22                       | 0.005                  | 0.3                    | 1.41                 | 18                     | <10                   | 70                     | <0.5                   | <2                     | 0.07                 | <0.5                   | 7                      | 24                     | 38                     | 3.06                 |
| CC146404           |                                   | 0.24                       | 0.009                  | 0.2                    | 1.13                 | 31                     | <10                   | 50                     | <0.5                   | <2                     | 0.09                 | <0.5                   | 5                      | 24                     | 30                     | 3.36                 |
| CC146405           |                                   | 0.30                       | 0.032                  | 0.3                    | 0.96                 | 74                     | <10                   | 80                     | <0.5                   | <2                     | 0.09                 | <0.5                   | 6                      | 19                     | 78                     | 3.45                 |
| CC146406           |                                   | 0.28                       | 0.010                  | 0.4                    | 1.15                 | 74                     | <10                   | 90                     | <0.5                   | <2                     | 0.06                 | <0.5                   | 5                      | 23                     | 60                     | 3.36                 |
| CC146407           |                                   | 0.28                       | 0.035                  | 0.3                    | 1.17                 | 41                     | <10                   | 80                     | <0.5                   | <2                     | 0.09                 | <0.5                   | 5                      | 22                     | 42                     | 2.72                 |
| CC146408           |                                   | 0.34                       | 0.005                  | 0.2                    | 1.24                 | 19                     | <10                   | 190                    | <0.5                   | <2                     | 0.13                 | <0.5                   | 10                     | 25                     | 44                     | 2.83                 |
| CC146409           |                                   | 0.30                       | 0.004                  | 0.2                    | 1.12                 | 7                      | <10                   | 110                    | <0.5                   | <2                     | 0.10                 | <0.5                   | 4                      | 22                     | 27                     | 1.87                 |
| CC146410           |                                   | 0.18                       | 0.017                  | <0.2                   | 0.99                 | 13                     | <10                   | 50                     | <0.5                   | <2                     | 0.12                 | <0.5                   | 5                      | 19                     | 41                     | 2.42                 |
| CC146411           |                                   | 0.24                       | 0.007                  | 0.3                    | 1.44                 | 41                     | <10                   | 120                    | <0.5                   | <2                     | 0.13                 | <0.5                   | 13                     | 39                     | 73                     | 3.11                 |
| CC146412           |                                   | 0.22                       | 0.007                  | 0.2                    | 1.17                 | 23                     | <10                   | 70                     | <0.5                   | <2                     | 0.11                 | <0.5                   | 7                      | 25                     | 43                     | 2.43                 |
| CC146413           |                                   | 0.24                       | 0.004                  | 0.2                    | 1.10                 | 24                     | <10                   | 70                     | <0.5                   | <2                     | 0.11                 | <0.5                   | 7                      | 21                     | 32                     | 2.23                 |
| CC146414           |                                   | 0.32                       | 0.003                  | <0.2                   | 1.06                 | 15                     | <10                   | 130                    | <0.5                   | <2                     | 0.12                 | <0.5                   | 9                      | 21                     | 44                     | 2.37                 |
| CC146415           |                                   | 0.28                       | 0.003                  | <0.2                   | 1.30                 | 11                     | <10                   | 90                     | <0.5                   | <2                     | 0.10                 | <0.5                   | 7                      | 25                     | 25                     | 1.92                 |
| CC146416           |                                   | 0.22                       | 0.005                  | 0.3                    | 1.25                 | 18                     | <10                   | 100                    | <0.5                   | <2                     | 0.09                 | <0.5                   | 5                      | 21                     | 38                     | 2.30                 |
| CC146417           |                                   | 0.28                       | 0.004                  | <0.2                   | 1.47                 | 14                     | <10                   | 150                    | <0.5                   | <2                     | 0.20                 | 0.7                    | 10                     | 19                     | 84                     | 2.81                 |
| CC146418           |                                   | 0.28                       | 0.007                  | 1.5                    | 1.63                 | 100                    | <10                   | 170                    | <0.5                   | <2                     | 0.44                 | 1.2                    | 10                     | 25                     | 96                     | 4.24                 |
| CC146419           |                                   | 0.30                       | 0.005                  | 0.7                    | 1.85                 | 24                     | <10                   | 250                    | <0.5                   | <2                     | 0.31                 | 1.9                    | 20                     | 31                     | 164                    | 4.12                 |
| CC146420           |                                   | 0.26                       | 0.003                  | 1.6                    | 2.00                 | 40                     | <10                   | 180                    | <0.5                   | <2                     | 0.17                 | 1.3                    | 17                     | 38                     | 110                    | 3.48                 |
| CC146421           |                                   | 0.26                       | 0.003                  | 1.0                    | 1.73                 | 45                     | <10                   | 210                    | <0.5                   | <2                     | 0.14                 | 1.2                    | 11                     | 28                     | 67                     | 3.40                 |
| CC146422           |                                   | 0.24                       | <0.001                 | <0.2                   | 1.59                 | 7                      | <10                   | 140                    | <0.5                   | <2                     | 0.04                 | <0.5                   | 3                      | 17                     | 22                     | 2.98                 |
| CC146423           |                                   | 0.28                       | 0.002                  | 0.7                    | 1.89                 | 47                     | <10                   | 210                    | <0.5                   | <2                     | 0.12                 | 0.8                    | 12                     | 23                     | 49                     | 3.84                 |



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Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11184562**

| 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 |
|--------------------|-----------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| CC146384           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.43                         | 344                         | 1                           | 0.01                         | 17                          | 810                         | 24                          | 0.04                        | 4                           | 2                           | 11                          |
| CC146385           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.40                         | 382                         | 1                           | 0.01                         | 17                          | 640                         | 26                          | 0.04                        | 3                           | 2                           | 9                           |
| CC146386           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.49                         | 553                         | 1                           | 0.01                         | 21                          | 610                         | 18                          | 0.02                        | <2                          | 2                           | 9                           |
| CC146387           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.47                         | 330                         | 1                           | 0.01                         | 18                          | 620                         | 18                          | 0.03                        | <2                          | 1                           | 8                           |
| CC146388           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.36                         | 621                         | 1                           | 0.01                         | 15                          | 860                         | 43                          | 0.08                        | 2                           | 1                           | 9                           |
| CC146389           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.24                         | 1685                        | 2                           | 0.01                         | 14                          | 2250                        | 73                          | 0.22                        | 3                           | <1                          | 15                          |
| CC146390           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.37                         | 459                         | 1                           | 0.02                         | 18                          | 590                         | 23                          | 0.03                        | <2                          | 1                           | 9                           |
| CC146391           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.39                         | 489                         | 1                           | 0.02                         | 19                          | 670                         | 15                          | 0.02                        | <2                          | 1                           | 10                          |
| CC146392           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.40                         | 478                         | 1                           | 0.01                         | 18                          | 800                         | 22                          | 0.02                        | <2                          | 2                           | 11                          |
| CC146393           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.44                         | 441                         | 1                           | 0.01                         | 21                          | 870                         | 47                          | 0.02                        | 3                           | 2                           | 11                          |
| CC146394           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.37                         | 671                         | 2                           | 0.01                         | 26                          | 1090                        | 108                         | 0.02                        | 3                           | 1                           | 9                           |
| CC146395           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.42                         | 254                         | 2                           | 0.02                         | 21                          | 950                         | 50                          | 0.06                        | 2                           | 1                           | 10                          |
| CC146396           |                                   | 10                           | <1                          | 0.04                        | 10                           | 0.19                         | 300                         | 3                           | 0.01                         | 13                          | 1200                        | 56                          | 0.09                        | 2                           | <1                          | 8                           |
| CC146397           |                                   | 10                           | <1                          | 0.04                        | 10                           | 0.44                         | 270                         | 2                           | 0.02                         | 16                          | 1200                        | 40                          | 0.06                        | <2                          | <1                          | 9                           |
| CC146398           |                                   | <10                          | <1                          | 0.05                        | 10                           | 0.48                         | 385                         | 1                           | 0.02                         | 25                          | 820                         | 19                          | 0.02                        | <2                          | 2                           | 16                          |
| CC146399           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.48                         | 791                         | 1                           | 0.02                         | 23                          | 770                         | 274                         | 0.02                        | 4                           | 3                           | 17                          |
| CC146400           |                                   | <10                          | 1                           | 0.07                        | 10                           | 0.53                         | 6470                        | 1                           | 0.02                         | 29                          | 1050                        | 1590                        | 0.09                        | 64                          | 10                          | 39                          |
| CC146401           |                                   | 10                           | <1                          | 0.04                        | 10                           | 0.12                         | 160                         | 2                           | 0.02                         | 9                           | 630                         | 12                          | 0.07                        | <2                          | 1                           | 6                           |
| CC146402           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.43                         | 610                         | 1                           | 0.02                         | 26                          | 930                         | 12                          | 0.03                        | 3                           | 2                           | 15                          |
| CC146403           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.31                         | 236                         | 1                           | 0.02                         | 23                          | 460                         | 9                           | 0.03                        | 4                           | 2                           | 9                           |
| CC146404           |                                   | <10                          | <1                          | 0.02                        | 20                           | 0.28                         | 243                         | 1                           | 0.01                         | 21                          | 720                         | 13                          | 0.04                        | 4                           | 1                           | 10                          |
| CC146405           |                                   | <10                          | <1                          | 0.02                        | 30                           | 0.27                         | 1380                        | 2                           | 0.01                         | 25                          | 1180                        | 6                           | 0.02                        | 3                           | 2                           | 13                          |
| CC146406           |                                   | <10                          | <1                          | 0.03                        | 30                           | 0.30                         | 404                         | 2                           | 0.01                         | 19                          | 1020                        | 10                          | 0.04                        | 4                           | 2                           | 18                          |
| CC146407           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.32                         | 253                         | 1                           | 0.02                         | 18                          | 830                         | 14                          | 0.04                        | 3                           | 1                           | 13                          |
| CC146408           |                                   | <10                          | <1                          | 0.05                        | 20                           | 0.37                         | 352                         | 1                           | <0.01                        | 23                          | 830                         | 14                          | <0.01                       | 3                           | 4                           | 16                          |
| CC146409           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.30                         | 107                         | 1                           | <0.01                        | 15                          | 680                         | 9                           | <0.01                       | <2                          | 3                           | 11                          |
| CC146410           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.30                         | 204                         | 1                           | <0.01                        | 20                          | 680                         | 12                          | 0.01                        | 3                           | 2                           | 10                          |
| CC146411           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.47                         | 715                         | 1                           | <0.01                        | 37                          | 950                         | 11                          | <0.01                       | 2                           | 3                           | 13                          |
| CC146412           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.33                         | 275                         | 1                           | <0.01                        | 23                          | 770                         | 11                          | 0.01                        | 2                           | 2                           | 12                          |
| CC146413           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.29                         | 293                         | 1                           | <0.01                        | 23                          | 770                         | 14                          | <0.01                       | 3                           | 2                           | 10                          |
| CC146414           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.32                         | 303                         | 1                           | <0.01                        | 23                          | 780                         | 10                          | <0.01                       | 3                           | 3                           | 10                          |
| CC146415           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.37                         | 134                         | 1                           | <0.01                        | 19                          | 710                         | 11                          | <0.01                       | <2                          | 2                           | 10                          |
| CC146416           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.32                         | 193                         | 1                           | 0.01                         | 18                          | 660                         | 12                          | 0.01                        | 2                           | 2                           | 9                           |
| CC146417           |                                   | <10                          | <1                          | 0.07                        | 10                           | 0.46                         | 254                         | 1                           | 0.01                         | 28                          | 920                         | 7                           | 0.02                        | 2                           | 3                           | 12                          |
| CC146418           |                                   | <10                          | <1                          | 0.08                        | 10                           | 0.53                         | 495                         | 5                           | 0.01                         | 25                          | 3860                        | 16                          | 0.05                        | 10                          | 3                           | 22                          |
| CC146419           |                                   | 10                           | <1                          | 0.11                        | 20                           | 0.70                         | 535                         | 4                           | 0.01                         | 39                          | 1890                        | 15                          | 0.02                        | 7                           | 6                           | 19                          |
| CC146420           |                                   | <10                          | <1                          | 0.05                        | 10                           | 0.71                         | 509                         | 2                           | 0.01                         | 36                          | 890                         | 107                         | 0.01                        | 16                          | 5                           | 13                          |
| CC146421           |                                   | <10                          | <1                          | 0.09                        | 20                           | 0.68                         | 449                         | 2                           | 0.01                         | 26                          | 860                         | 43                          | 0.01                        | 9                           | 5                           | 15                          |
| CC146422           |                                   | 10                           | <1                          | 0.04                        | 20                           | 0.50                         | 208                         | 1                           | <0.01                        | 8                           | 600                         | 22                          | 0.04                        | 3                           | 1                           | 11                          |
| CC146423           |                                   | <10                          | <1                          | 0.07                        | 30                           | 0.63                         | 867                         | 2                           | <0.01                        | 23                          | 1070                        | 58                          | 0.01                        | 5                           | 4                           | 11                          |



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**CERTIFICATE OF ANALYSIS WH11184562**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                    |                                   | Th        | Ti        | Ti        | U         | V         | W         | Zn        |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1  | ppm<br>10 | ppm<br>2  |
| CC146384           |                                   | <20       | 0.04      | <10       | <10       | 44        | <10       | 98        |
| CC146385           |                                   | <20       | 0.04      | <10       | <10       | 41        | <10       | 93        |
| CC146386           |                                   | <20       | 0.04      | <10       | <10       | 41        | <10       | 91        |
| CC146387           |                                   | <20       | 0.03      | <10       | <10       | 39        | <10       | 91        |
| CC146388           |                                   | <20       | 0.03      | <10       | <10       | 40        | <10       | 82        |
| CC146389           |                                   | <20       | 0.01      | <10       | <10       | 52        | <10       | 75        |
| CC146390           |                                   | <20       | 0.04      | <10       | <10       | 37        | <10       | 71        |
| CC146391           |                                   | <20       | 0.04      | <10       | <10       | 40        | <10       | 72        |
| CC146392           |                                   | <20       | 0.04      | <10       | <10       | 35        | <10       | 89        |
| CC146393           |                                   | <20       | 0.04      | <10       | <10       | 37        | <10       | 115       |
| CC146394           |                                   | <20       | 0.03      | <10       | <10       | 34        | <10       | 221       |
| CC146395           |                                   | <20       | 0.02      | <10       | <10       | 39        | <10       | 143       |
| CC146396           |                                   | <20       | 0.01      | <10       | <10       | 49        | <10       | 80        |
| CC146397           |                                   | <20       | 0.01      | <10       | <10       | 42        | <10       | 96        |
| CC146398           |                                   | <20       | 0.05      | <10       | <10       | 46        | <10       | 94        |
| CC146399           |                                   | <20       | 0.06      | <10       | <10       | 44        | <10       | 348       |
| CC146400           |                                   | <20       | 0.05      | <10       | <10       | 72        | <10       | 8980      |
| CC146401           |                                   | <20       | 0.04      | <10       | <10       | 68        | <10       | 58        |
| CC146402           |                                   | <20       | 0.04      | <10       | <10       | 47        | <10       | 80        |
| CC146403           |                                   | <20       | 0.04      | <10       | <10       | 41        | <10       | 64        |
| CC146404           |                                   | <20       | 0.03      | <10       | <10       | 39        | <10       | 59        |
| CC146405           |                                   | <20       | 0.02      | <10       | <10       | 30        | <10       | 77        |
| CC146406           |                                   | <20       | 0.02      | <10       | <10       | 35        | <10       | 67        |
| CC146407           |                                   | <20       | 0.02      | <10       | <10       | 37        | <10       | 66        |
| CC146408           |                                   | <20       | 0.05      | <10       | <10       | 42        | <10       | 79        |
| CC146409           |                                   | <20       | 0.05      | <10       | <10       | 36        | <10       | 52        |
| CC146410           |                                   | <20       | 0.03      | <10       | <10       | 33        | <10       | 63        |
| CC146411           |                                   | <20       | 0.04      | <10       | <10       | 41        | <10       | 93        |
| CC146412           |                                   | <20       | 0.03      | <10       | <10       | 34        | <10       | 68        |
| CC146413           |                                   | <20       | 0.04      | <10       | <10       | 32        | <10       | 70        |
| CC146414           |                                   | <20       | 0.04      | <10       | <10       | 35        | <10       | 71        |
| CC146415           |                                   | <20       | 0.04      | <10       | <10       | 41        | <10       | 68        |
| CC146416           |                                   | <20       | 0.04      | <10       | <10       | 40        | <10       | 65        |
| CC146417           |                                   | <20       | 0.07      | <10       | <10       | 60        | <10       | 105       |
| CC146418           |                                   | <20       | 0.06      | <10       | <10       | 90        | <10       | 158       |
| CC146419           |                                   | <20       | 0.08      | <10       | <10       | 95        | <10       | 235       |
| CC146420           |                                   | <20       | 0.07      | <10       | <10       | 74        | <10       | 246       |
| CC146421           |                                   | <20       | 0.08      | <10       | <10       | 56        | <10       | 200       |
| CC146422           |                                   | <20       | 0.04      | <10       | <10       | 43        | <10       | 64        |
| CC146423           |                                   | <20       | 0.06      | <10       | <10       | 48        | <10       | 149       |



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**CERTIFICATE OF ANALYSIS WH11184562**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI- 21<br>Recvd Wt.<br>kg | Au- ICP21<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                       | 0.001                  | 0.2                    | 0.01                 | 2                      | 10                    | 10                     | 0.5                    | 2                      | 0.01                 | 0.5                    | 1                      | 1                      | 1                      | 0.01                 |
| CC146424           |                                   | 0.26                       | 0.005                  | 0.2                    | 0.97                 | 12                     | <10                   | 70                     | <0.5                   | <2                     | 0.07                 | <0.5                   | 3                      | 17                     | 19                     | 1.81                 |
| CC146425           |                                   | 0.28                       | 0.003                  | 0.2                    | 1.26                 | 11                     | <10                   | 90                     | <0.5                   | <2                     | 0.13                 | <0.5                   | 6                      | 21                     | 47                     | 2.54                 |
| CC146426           |                                   | 0.26                       | 0.004                  | <0.2                   | 1.30                 | 8                      | <10                   | 120                    | <0.5                   | <2                     | 0.29                 | <0.5                   | 12                     | 20                     | 118                    | 2.69                 |
| CC146427           |                                   | 0.32                       | 0.010                  | <0.2                   | 1.90                 | 8                      | <10                   | 230                    | <0.5                   | <2                     | 0.31                 | <0.5                   | 17                     | 32                     | 175                    | 2.85                 |
| CC146428           |                                   | 0.26                       | 0.003                  | <0.2                   | 1.59                 | 10                     | <10                   | 80                     | <0.5                   | <2                     | 0.10                 | <0.5                   | 7                      | 25                     | 25                     | 2.64                 |
| CC146429           |                                   | 0.26                       | <0.001                 | 0.2                    | 0.78                 | 25                     | <10                   | 50                     | <0.5                   | <2                     | 0.09                 | 0.5                    | 4                      | 17                     | 23                     | 2.10                 |
| CC146430           |                                   | 0.20                       | 0.006                  | 0.5                    | 0.70                 | 25                     | <10                   | 50                     | <0.5                   | <2                     | 0.10                 | <0.5                   | 4                      | 14                     | 21                     | 2.13                 |
| CC146431           |                                   | 0.24                       | 0.002                  | 0.5                    | 1.04                 | 24                     | <10                   | 70                     | <0.5                   | <2                     | 0.09                 | 0.5                    | 5                      | 17                     | 26                     | 2.31                 |
| CC146432           |                                   | 0.24                       | 0.002                  | 0.2                    | 0.95                 | 23                     | <10                   | 60                     | <0.5                   | <2                     | 0.08                 | <0.5                   | 5                      | 17                     | 26                     | 2.17                 |
| CC146433           |                                   | 0.16                       | 0.001                  | 0.4                    | 1.60                 | 18                     | <10                   | 110                    | <0.5                   | 3                      | 0.09                 | <0.5                   | 6                      | 29                     | 52                     | 2.95                 |
| CC146434           |                                   | 0.18                       | 0.002                  | 0.2                    | 1.57                 | 21                     | <10                   | 130                    | <0.5                   | <2                     | 0.09                 | <0.5                   | 9                      | 29                     | 32                     | 3.03                 |
| CC146435           |                                   | 0.22                       | 0.002                  | 0.2                    | 1.54                 | 8                      | <10                   | 110                    | <0.5                   | <2                     | 0.10                 | <0.5                   | 8                      | 28                     | 63                     | 2.30                 |
| CC146436           |                                   | 0.22                       | 0.002                  | <0.2                   | 1.50                 | 10                     | <10                   | 70                     | <0.5                   | <2                     | 0.08                 | <0.5                   | 6                      | 24                     | 42                     | 2.96                 |
| CC146437           |                                   | 0.22                       | 0.001                  | <0.2                   | 1.05                 | 6                      | <10                   | 50                     | <0.5                   | <2                     | 0.08                 | <0.5                   | 7                      | 17                     | 25                     | 2.03                 |
| CC146438           |                                   | 0.28                       | 0.006                  | 0.3                    | 0.96                 | 9                      | <10                   | 80                     | <0.5                   | <2                     | 0.13                 | <0.5                   | 7                      | 19                     | 44                     | 2.20                 |
| CC146439           |                                   | 0.22                       | 0.004                  | 5.1                    | 1.21                 | 29                     | <10                   | 190                    | <0.5                   | <2                     | 0.14                 | 1.1                    | 10                     | 23                     | 67                     | 2.56                 |
| CC146440           |                                   | 0.26                       | 0.005                  | 0.2                    | 1.57                 | 10                     | <10                   | 160                    | <0.5                   | <2                     | 0.13                 | 0.5                    | 9                      | 26                     | 35                     | 2.76                 |
| CC146441           |                                   | 0.20                       | 0.005                  | 0.2                    | 1.38                 | 7                      | <10                   | 110                    | <0.5                   | <2                     | 0.10                 | <0.5                   | 6                      | 25                     | 43                     | 2.37                 |
| CC146442           |                                   | 0.18                       | 0.003                  | 0.2                    | 1.23                 | 14                     | <10                   | 80                     | <0.5                   | <2                     | 0.07                 | <0.5                   | 5                      | 24                     | 28                     | 2.47                 |
| CC146443           |                                   | 0.22                       | 0.003                  | 0.2                    | 1.33                 | 10                     | <10                   | 80                     | <0.5                   | <2                     | 0.18                 | <0.5                   | 7                      | 23                     | 32                     | 2.42                 |
| CC146444           |                                   | 0.24                       | 0.008                  | 5.0                    | 1.20                 | 97                     | <10                   | 80                     | <0.5                   | 2                      | 0.18                 | 2.0                    | 8                      | 20                     | 39                     | 2.61                 |
| CC146445           |                                   | 0.22                       | 0.006                  | 0.8                    | 1.54                 | 18                     | <10                   | 90                     | <0.5                   | 2                      | 0.18                 | <0.5                   | 8                      | 25                     | 35                     | 2.67                 |
| CC146446           |                                   | 0.24                       | 0.006                  | 5.0                    | 1.62                 | 17                     | <10                   | 80                     | 0.5                    | <2                     | 0.25                 | 0.6                    | 8                      | 25                     | 46                     | 2.87                 |
| CC146447           |                                   | 0.22                       | 0.007                  | 6.8                    | 1.29                 | 180                    | <10                   | 70                     | <0.5                   | <2                     | 0.12                 | 1.7                    | 7                      | 24                     | 32                     | 3.16                 |
| CC146448           |                                   | 0.26                       | 0.008                  | 0.5                    | 1.76                 | 12                     | <10                   | 160                    | <0.5                   | <2                     | 0.24                 | 0.6                    | 10                     | 29                     | 104                    | 2.77                 |
| CC146449           |                                   | 0.34                       | 0.002                  | 0.3                    | 1.36                 | 9                      | <10                   | 210                    | <0.5                   | <2                     | 0.40                 | 0.8                    | 4                      | 25                     | 13                     | 2.28                 |
| CC146450           |                                   | 0.34                       | 0.005                  | 0.7                    | 1.23                 | 10                     | <10                   | 160                    | <0.5                   | <2                     | 0.29                 | 0.8                    | 5                      | 24                     | 19                     | 2.13                 |
| CC146451           |                                   | 0.20                       | 0.007                  | 0.7                    | 1.82                 | 54                     | <10                   | 390                    | 0.5                    | 2                      | 0.14                 | 0.6                    | 14                     | 33                     | 71                     | 4.01                 |
| CC146452           |                                   | 0.20                       | 0.005                  | 0.3                    | 1.61                 | 29                     | <10                   | 200                    | <0.5                   | 2                      | 0.12                 | <0.5                   | 10                     | 31                     | 41                     | 3.32                 |
| CC146453           |                                   | 0.34                       | 0.011                  | 0.2                    | 0.88                 | 44                     | <10                   | 90                     | <0.5                   | 2                      | 0.06                 | <0.5                   | 9                      | 16                     | 38                     | 2.58                 |
| CC146454           |                                   | 0.28                       | 0.007                  | 0.3                    | 1.06                 | 22                     | <10                   | 110                    | <0.5                   | 2                      | 0.09                 | <0.5                   | 7                      | 19                     | 31                     | 2.45                 |
| CC146455           |                                   | 0.34                       | 0.012                  | 0.2                    | 0.94                 | 18                     | <10                   | 120                    | <0.5                   | <2                     | 0.12                 | <0.5                   | 6                      | 19                     | 26                     | 2.24                 |
| CC146456           |                                   | 0.26                       | 0.005                  | <0.2                   | 1.10                 | 17                     | <10                   | 60                     | <0.5                   | <2                     | 0.08                 | <0.5                   | 4                      | 18                     | 17                     | 2.21                 |
| CC146457           |                                   | 0.32                       | 0.005                  | <0.2                   | 0.94                 | 14                     | <10                   | 60                     | <0.5                   | <2                     | 0.09                 | <0.5                   | 5                      | 21                     | 25                     | 2.43                 |
| CC146458           |                                   | 0.26                       | 0.006                  | <0.2                   | 1.15                 | 12                     | <10                   | 80                     | <0.5                   | 2                      | 0.06                 | <0.5                   | 5                      | 22                     | 21                     | 2.71                 |
| CC146459           |                                   | 0.24                       | 0.007                  | 1.0                    | 1.42                 | 29                     | <10                   | 340                    | <0.5                   | 2                      | 0.17                 | 1.0                    | 10                     | 28                     | 71                     | 3.39                 |
| CC146460           |                                   | 0.18                       | 0.004                  | 1.1                    | 1.82                 | 45                     | <10                   | 370                    | 0.5                    | <2                     | 0.10                 | 0.6                    | 30                     | 32                     | 78                     | 3.96                 |
| CC146461           |                                   | 0.36                       | 0.006                  | 0.9                    | 1.59                 | 26                     | <10                   | 130                    | <0.5                   | 2                      | 0.16                 | 0.8                    | 12                     | 30                     | 81                     | 3.80                 |
| CC146462           |                                   | 0.28                       | 0.010                  | 0.4                    | 1.29                 | 26                     | <10                   | 120                    | <0.5                   | 2                      | 0.12                 | 0.5                    | 10                     | 24                     | 47                     | 2.89                 |
| CC146463           |                                   | 0.20                       | 0.004                  | 0.5                    | 1.65                 | 39                     | <10                   | 170                    | <0.5                   | 3                      | 0.12                 | 0.6                    | 10                     | 28                     | 38                     | 3.17                 |



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Finalized Date: 26- OCT- 2011  
Account: F

Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11184562**

| 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 |
|--------------------|-----------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| CC146424           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.27                         | 137                         | 1                           | <0.01                        | 14                          | 460                         | 16                          | <0.01                       | <2                          | 2                           | 6                           |
| CC146425           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.34                         | 166                         | 1                           | <0.01                        | 24                          | 790                         | 9                           | <0.01                       | <2                          | 2                           | 12                          |
| CC146426           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.52                         | 449                         | 1                           | 0.01                         | 23                          | 920                         | 8                           | <0.01                       | 2                           | 4                           | 22                          |
| CC146427           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.65                         | 385                         | 1                           | 0.01                         | 34                          | 910                         | 7                           | 0.01                        | <2                          | 3                           | 87                          |
| CC146428           |                                   | <10                          | 1                           | 0.03                        | 10                           | 0.38                         | 245                         | 1                           | 0.01                         | 18                          | 320                         | 12                          | 0.01                        | 2                           | 2                           | 11                          |
| CC146429           |                                   | <10                          | <1                          | 0.02                        | 10                           | 0.21                         | 164                         | 1                           | <0.01                        | 14                          | 570                         | 17                          | 0.02                        | 4                           | 1                           | 8                           |
| CC146430           |                                   | <10                          | <1                          | 0.02                        | 10                           | 0.18                         | 199                         | 1                           | <0.01                        | 13                          | 640                         | 26                          | 0.02                        | 4                           | 1                           | 8                           |
| CC146431           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.26                         | 240                         | 1                           | <0.01                        | 17                          | 670                         | 22                          | 0.02                        | 4                           | 1                           | 9                           |
| CC146432           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.26                         | 220                         | 1                           | <0.01                        | 16                          | 550                         | 16                          | 0.01                        | 3                           | 1                           | 8                           |
| CC146433           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.48                         | 267                         | 2                           | 0.01                         | 22                          | 870                         | 22                          | 0.05                        | 2                           | 1                           | 10                          |
| CC146434           |                                   | 10                           | <1                          | 0.05                        | 10                           | 0.45                         | 477                         | 2                           | 0.01                         | 20                          | 750                         | 18                          | 0.05                        | 3                           | 1                           | 11                          |
| CC146435           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.48                         | 212                         | 1                           | <0.01                        | 21                          | 640                         | 21                          | 0.01                        | 2                           | 2                           | 10                          |
| CC146436           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.37                         | 233                         | 1                           | <0.01                        | 16                          | 410                         | 14                          | 0.02                        | <2                          | 2                           | 8                           |
| CC146437           |                                   | <10                          | <1                          | 0.02                        | 10                           | 0.29                         | 395                         | 1                           | <0.01                        | 17                          | 370                         | 9                           | 0.01                        | <2                          | 1                           | 7                           |
| CC146438           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.35                         | 387                         | 1                           | <0.01                        | 21                          | 720                         | 12                          | 0.01                        | <2                          | 1                           | 9                           |
| CC146439           |                                   | <10                          | <1                          | 0.06                        | 10                           | 0.50                         | 712                         | 2                           | 0.01                         | 26                          | 830                         | 270                         | 0.02                        | 3                           | 2                           | 16                          |
| CC146440           |                                   | <10                          | <1                          | 0.05                        | 20                           | 0.50                         | 498                         | 1                           | <0.01                        | 26                          | 830                         | 14                          | <0.01                       | <2                          | 3                           | 12                          |
| CC146441           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.46                         | 310                         | 1                           | <0.01                        | 20                          | 640                         | 13                          | 0.01                        | <2                          | 2                           | 9                           |
| CC146442           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.40                         | 296                         | 1                           | <0.01                        | 17                          | 530                         | 25                          | 0.02                        | 2                           | 1                           | 7                           |
| CC146443           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.46                         | 327                         | 1                           | <0.01                        | 21                          | 900                         | 21                          | 0.01                        | <2                          | 2                           | 12                          |
| CC146444           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.37                         | 585                         | 2                           | <0.01                        | 28                          | 1140                        | 80                          | 0.01                        | 4                           | 2                           | 10                          |
| CC146445           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.40                         | 327                         | 3                           | 0.01                         | 23                          | 940                         | 35                          | 0.02                        | 2                           | 2                           | 11                          |
| CC146446           |                                   | <10                          | <1                          | 0.05                        | 10                           | 0.51                         | 404                         | 3                           | 0.01                         | 24                          | 1180                        | 165                         | 0.01                        | 3                           | 2                           | 11                          |
| CC146447           |                                   | <10                          | <1                          | 0.05                        | 10                           | 0.40                         | 689                         | 3                           | 0.01                         | 19                          | 1020                        | 233                         | 0.03                        | 6                           | 1                           | 8                           |
| CC146448           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.53                         | 448                         | 1                           | 0.01                         | 26                          | 860                         | 24                          | 0.02                        | <2                          | 2                           | 34                          |
| CC146449           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.38                         | 265                         | 2                           | 0.01                         | 14                          | 1380                        | 11                          | 0.05                        | <2                          | 1                           | 19                          |
| CC146450           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.40                         | 205                         | 2                           | 0.01                         | 19                          | 750                         | 17                          | 0.01                        | <2                          | 2                           | 15                          |
| CC146451           |                                   | <10                          | <1                          | 0.05                        | 20                           | 0.55                         | 709                         | 3                           | 0.01                         | 41                          | 1310                        | 23                          | 0.03                        | <2                          | 3                           | 16                          |
| CC146452           |                                   | <10                          | <1                          | 0.05                        | 20                           | 0.48                         | 503                         | 1                           | 0.01                         | 32                          | 990                         | 18                          | 0.04                        | <2                          | 2                           | 13                          |
| CC146453           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.24                         | 525                         | 1                           | 0.01                         | 27                          | 730                         | 18                          | 0.01                        | <2                          | 2                           | 10                          |
| CC146454           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.30                         | 425                         | 1                           | 0.01                         | 23                          | 750                         | 15                          | 0.02                        | <2                          | 2                           | 11                          |
| CC146455           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.28                         | 406                         | 1                           | 0.01                         | 19                          | 700                         | 12                          | 0.01                        | <2                          | 2                           | 12                          |
| CC146456           |                                   | <10                          | <1                          | 0.02                        | 20                           | 0.25                         | 149                         | 1                           | 0.01                         | 15                          | 570                         | 11                          | 0.02                        | <2                          | 1                           | 9                           |
| CC146457           |                                   | <10                          | <1                          | 0.02                        | 20                           | 0.30                         | 225                         | 1                           | 0.01                         | 20                          | 540                         | 7                           | 0.02                        | <2                          | 1                           | 10                          |
| CC146458           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.29                         | 272                         | 1                           | 0.01                         | 18                          | 630                         | 10                          | 0.04                        | <2                          | 1                           | 10                          |
| CC146459           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.43                         | 497                         | 2                           | 0.01                         | 35                          | 1190                        | 17                          | 0.03                        | <2                          | 3                           | 17                          |
| CC146460           |                                   | 10                           | <1                          | 0.04                        | 20                           | 0.49                         | 1600                        | 3                           | 0.01                         | 37                          | 1170                        | 28                          | 0.05                        | 2                           | 3                           | 15                          |
| CC146461           |                                   | <10                          | 1                           | 0.04                        | 20                           | 0.67                         | 576                         | 2                           | 0.01                         | 33                          | 1030                        | 35                          | 0.04                        | 2                           | 3                           | 11                          |
| CC146462           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.43                         | 631                         | 2                           | 0.01                         | 27                          | 970                         | 14                          | 0.02                        | <2                          | 2                           | 11                          |
| CC146463           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.50                         | 570                         | 2                           | 0.01                         | 27                          | 990                         | 23                          | 0.04                        | <2                          | 2                           | 14                          |



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**CERTIFICATE OF ANALYSIS WH11184562**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                    |                                   | Th        | Ti        | Ti        | U         | V         | W         | Zn        |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1  | ppm<br>10 | ppm<br>2  |
| CC146424           |                                   | <20       | 0.03      | <10       | <10       | 26        | <10       | 57        |
| CC146425           |                                   | <20       | 0.03      | <10       | <10       | 35        | <10       | 62        |
| CC146426           |                                   | <20       | 0.06      | <10       | <10       | 55        | <10       | 75        |
| CC146427           |                                   | <20       | 0.04      | <10       | <10       | 55        | <10       | 66        |
| CC146428           |                                   | <20       | 0.05      | <10       | <10       | 45        | <10       | 64        |
| CC146429           |                                   | <20       | 0.03      | <10       | <10       | 30        | <10       | 91        |
| CC146430           |                                   | <20       | 0.03      | <10       | <10       | 26        | <10       | 93        |
| CC146431           |                                   | <20       | 0.03      | <10       | <10       | 31        | <10       | 95        |
| CC146432           |                                   | <20       | 0.03      | <10       | <10       | 31        | <10       | 91        |
| CC146433           |                                   | <20       | 0.03      | <10       | <10       | 45        | <10       | 92        |
| CC146434           |                                   | <20       | 0.04      | <10       | <10       | 53        | <10       | 84        |
| CC146435           |                                   | <20       | 0.04      | <10       | <10       | 45        | <10       | 76        |
| CC146436           |                                   | <20       | 0.04      | <10       | <10       | 43        | <10       | 45        |
| CC146437           |                                   | <20       | 0.03      | <10       | <10       | 29        | <10       | 52        |
| CC146438           |                                   | <20       | 0.03      | <10       | <10       | 32        | <10       | 63        |
| CC146439           |                                   | <20       | 0.03      | <10       | <10       | 41        | <10       | 116       |
| CC146440           |                                   | <20       | 0.05      | <10       | <10       | 43        | <10       | 93        |
| CC146441           |                                   | <20       | 0.04      | <10       | <10       | 41        | <10       | 71        |
| CC146442           |                                   | <20       | 0.03      | <10       | <10       | 39        | <10       | 82        |
| CC146443           |                                   | <20       | 0.04      | <10       | <10       | 38        | <10       | 99        |
| CC146444           |                                   | <20       | 0.03      | <10       | <10       | 32        | <10       | 249       |
| CC146445           |                                   | <20       | 0.03      | <10       | <10       | 37        | <10       | 156       |
| CC146446           |                                   | <20       | 0.04      | <10       | <10       | 35        | <10       | 205       |
| CC146447           |                                   | <20       | 0.02      | <10       | <10       | 40        | <10       | 596       |
| CC146448           |                                   | <20       | 0.06      | <10       | <10       | 52        | <10       | 89        |
| CC146449           |                                   | <20       | 0.02      | <10       | <10       | 40        | <10       | 114       |
| CC146450           |                                   | <20       | 0.03      | <10       | <10       | 35        | <10       | 112       |
| CC146451           |                                   | <20       | 0.04      | <10       | <10       | 53        | <10       | 157       |
| CC146452           |                                   | <20       | 0.03      | <10       | <10       | 46        | <10       | 99        |
| CC146453           |                                   | <20       | 0.03      | <10       | <10       | 26        | <10       | 83        |
| CC146454           |                                   | <20       | 0.03      | <10       | <10       | 31        | <10       | 71        |
| CC146455           |                                   | <20       | 0.03      | <10       | <10       | 30        | <10       | 63        |
| CC146456           |                                   | <20       | 0.03      | <10       | <10       | 31        | <10       | 47        |
| CC146457           |                                   | <20       | 0.03      | <10       | <10       | 30        | <10       | 58        |
| CC146458           |                                   | <20       | 0.02      | <10       | <10       | 42        | <10       | 60        |
| CC146459           |                                   | <20       | 0.04      | <10       | <10       | 45        | <10       | 146       |
| CC146460           |                                   | <20       | 0.03      | <10       | <10       | 54        | <10       | 155       |
| CC146461           |                                   | <20       | 0.06      | <10       | <10       | 55        | <10       | 162       |
| CC146462           |                                   | <20       | 0.04      | <10       | <10       | 45        | <10       | 120       |
| CC146463           |                                   | <20       | 0.04      | <10       | <10       | 51        | <10       | 122       |



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Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11184562**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI- 21<br>Recvd Wt.<br>kg | Au- ICP21<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                       | 0.001                  | 0.2                    | 0.01                 | 2                      | 10                    | 10                     | 0.5                    | 2                      | 0.01                 | 0.5                    | 1                      | 1                      | 1                      | 0.01                 |
| CC146464           |                                   | 0.32                       | 0.004                  | 1.2                    | 1.76                 | 55                     | <10                   | 150                    | <0.5                   | 2                      | 0.12                 | 0.6                    | 11                     | 30                     | 46                     | 3.41                 |
| CC146465           |                                   | 0.24                       | 0.005                  | 1.0                    | 1.68                 | 71                     | <10                   | 140                    | <0.5                   | 2                      | 0.14                 | 0.6                    | 10                     | 29                     | 42                     | 3.21                 |
| CC146466           |                                   | 0.32                       | 0.004                  | 1.1                    | 0.95                 | 20                     | <10                   | 60                     | <0.5                   | <2                     | 0.09                 | 0.9                    | 23                     | 20                     | 33                     | 3.37                 |
| CC146467           |                                   | 0.28                       | 0.004                  | 0.5                    | 1.16                 | 21                     | <10                   | 90                     | <0.5                   | <2                     | 0.17                 | 0.6                    | 14                     | 26                     | 43                     | 3.39                 |
| CC146468           |                                   | 0.34                       | 0.017                  | 0.9                    | 1.81                 | 42                     | <10                   | 100                    | <0.5                   | <2                     | 0.30                 | <0.5                   | 25                     | 42                     | 78                     | 4.54                 |
|                    |                                   |                            |                        |                        |                      |                        |                       |                        |                        |                        |                      |                        |                        |                        |                        |                      |



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Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11184562**

| 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  |
| CC146464           |                                   | <10       | <1        | 0.04      | 20        | 0.52      | 631       | 2         | 0.01      | 25        | 1100      | 29        | 0.05      | <2        | 2         |
| CC146465           |                                   | <10       | <1        | 0.04      | 20        | 0.49      | 627       | 2         | 0.01      | 25        | 970       | 29        | 0.05      | 2         | 2         |
| CC146466           |                                   | <10       | <1        | 0.02      | 30        | 0.23      | 437       | 2         | 0.01      | 75        | 990       | 37        | 0.04      | <2        | 2         |
| CC146467           |                                   | <10       | <1        | 0.02      | 30        | 0.29      | 197       | 3         | 0.01      | 54        | 990       | 8         | 0.05      | <2        | 3         |
| CC146468           |                                   | <10       | <1        | 0.02      | 40        | 0.58      | 431       | 1         | 0.03      | 94        | 1310      | 15        | 0.10      | 2         | 3         |
|                    |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |



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Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11184562**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                    |                                   | Th        | Ti        | Tl        | U         | V         | W         | Zn        |
|                    |                                   | ppm       | %         | ppm       | ppm       | ppm       | ppm       | ppm       |
|                    |                                   | 20        | 0.01      | 10        | 10        | 1         | 10        | 2         |
| CC146464           |                                   | <20       | 0.04      | <10       | <10       | 54        | <10       | 128       |
| CC146465           |                                   | <20       | 0.04      | <10       | <10       | 50        | <10       | 149       |
| CC146466           |                                   | <20       | 0.01      | <10       | <10       | 20        | <10       | 130       |
| CC146467           |                                   | <20       | 0.01      | <10       | <10       | 25        | <10       | 128       |
| CC146468           |                                   | <20       | 0.01      | <10       | <10       | 37        | <10       | 145       |
|                    |                                   |           |           |           |           |           |           |           |
|                    |                                   |           |           |           |           |           |           |           |
|                    |                                   |           |           |           |           |           |           |           |
|                    |                                   |           |           |           |           |           |           |           |
|                    |                                   |           |           |           |           |           |           |           |
|                    |                                   |           |           |           |           |           |           |           |
|                    |                                   |           |           |           |           |           |           |           |
|                    |                                   |           |           |           |           |           |           |           |
|                    |                                   |           |           |           |           |           |           |           |
|                    |                                   |           |           |           |           |           |           |           |



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**CERTIFICATE OF ANALYSIS WH11184562**

| Method      | CERTIFICATE COMMENTS           |
|-------------|--------------------------------|
| ALL METHODS | NSS is non- sufficient sample. |



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**CERTIFICATE WH11184561**

Project: Mill City- Gram

P.O. No.:

This report is for 9 Rock samples submitted to our lab in Whitehorse, YT, Canada on 11- SEP- 2011.

The following have access to data associated with this certificate:

DOUG EATON

SARAH EATON

JOAN MARIACHER

**SAMPLE PREPARATION**

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI- 21  | Received Sample Weight         |
| 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 |

**ANALYTICAL PROCEDURES**

| ALS CODE  | DESCRIPTION                    | INSTRUMENT |
|-----------|--------------------------------|------------|
| ME- ICP41 | 35 Element Aqua Regia ICP- AES | ICP- AES   |
| Ag- OG46  | Ore Grade Ag - Aqua Regia      | VARIABLE   |
| ME- OG46  | Ore Grade Elements - AquaRegia | ICP- AES   |
| Zn- OG46  | Ore Grade Zn - Aqua Regia      | VARIABLE   |
| Au- ICP21 | Au 30g FA ICP- AES Finish      | ICP- AES   |

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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:**

Colin Ramshaw, Vancouver Laboratory Manager



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Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11184561**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI- 21<br>Recvd Wt.<br>kg | Au- ICP21<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                       | 0.001                  | 0.2                    | 0.01                 | 2                      | 10                    | 10                     | 0.5                    | 2                      | 0.01                 | 0.5                    | 1                      | 1                      | 1                      | 0.01                 |
| I079191            |                                   | 0.55                       | 0.002                  | <0.2                   | 1.14                 | 4                      | <10                   | 670                    | <0.5                   | <2                     | 0.09                 | <0.5                   | 8                      | 25                     | 26                     | 2.11                 |
| I079192            |                                   | 0.15                       | 0.002                  | <0.2                   | 1.26                 | 282                    | <10                   | 630                    | 0.5                    | <2                     | 0.03                 | <0.5                   | 22                     | 15                     | 182                    | 15.3                 |
| I079193            |                                   | 0.16                       | <0.001                 | 0.4                    | 2.04                 | 17                     | <10                   | 700                    | <0.5                   | <2                     | 0.05                 | <0.5                   | 1                      | 18                     | 6                      | 3.47                 |
| I079194            |                                   | 0.27                       | 0.001                  | 0.7                    | 0.54                 | 63                     | <10                   | 260                    | <0.5                   | <2                     | 0.06                 | 6.0                    | 148                    | 9                      | 39                     | 14.0                 |
| I079195            |                                   | 2.34                       | <0.001                 | <0.2                   | 1.71                 | 4                      | <10                   | 70                     | <0.5                   | <2                     | 1.16                 | <0.5                   | 9                      | 18                     | 49                     | 1.96                 |
| I079196            |                                   | 0.31                       | 0.001                  | 1.8                    | 0.52                 | 93                     | <10                   | 260                    | <0.5                   | <2                     | 0.05                 | 0.6                    | 6                      | 8                      | 14                     | 2.13                 |
| I079197            |                                   | 0.31                       | 0.001                  | <0.2                   | 1.41                 | 8                      | <10                   | 330                    | <0.5                   | <2                     | 0.22                 | <0.5                   | 5                      | 15                     | 9                      | 2.82                 |
| I079198            |                                   | 0.46                       | 0.007                  | >100                   | 0.38                 | 192                    | <10                   | 40                     | <0.5                   | <2                     | 4.36                 | >1000                  | 14                     | 1                      | 715                    | 17.8                 |
| I079199            |                                   | 0.65                       | 0.001                  | 3.7                    | 4.02                 | 929                    | <10                   | 240                    | <0.5                   | <2                     | 0.04                 | 2.6                    | 6                      | 213                    | 45                     | 10.80                |



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**CERTIFICATE OF ANALYSIS WH11184561**

| 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 |
|--------------------|-----------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| I079191            |                                   | <10                          | <1                          | 0.18                        | 10                           | 0.54                         | 1165                        | <1                          | <0.01                        | 31                          | 330                         | 7                           | <0.01                       | <2                          | 1                           | 10                          |
| I079192            |                                   | <10                          | <1                          | 0.15                        | 10                           | 0.03                         | 475                         | 12                          | <0.01                        | 65                          | 930                         | <2                          | 0.03                        | <2                          | 2                           | 7                           |
| I079193            |                                   | 10                           | <1                          | 0.18                        | 20                           | 1.48                         | 389                         | 1                           | 0.06                         | 5                           | 410                         | 18                          | 0.16                        | 4                           | 2                           | 28                          |
| I079194            |                                   | <10                          | <1                          | 0.09                        | 50                           | 0.08                         | 3950                        | 4                           | <0.01                        | 215                         | 390                         | 33                          | 0.04                        | 11                          | 1                           | 7                           |
| I079195            |                                   | <10                          | <1                          | 0.03                        | <10                          | 0.46                         | 271                         | <1                          | 0.03                         | 23                          | 120                         | 6                           | <0.01                       | <2                          | 1                           | 23                          |
| I079196            |                                   | <10                          | <1                          | 0.11                        | 20                           | 0.04                         | 243                         | 1                           | 0.06                         | 14                          | 350                         | 11                          | 0.01                        | 19                          | 2                           | 10                          |
| I079197            |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.96                         | 477                         | <1                          | 0.05                         | 8                           | 390                         | 21                          | 0.05                        | <2                          | 2                           | 53                          |
| I079198            |                                   | <10                          | 5                           | 0.18                        | <10                          | 0.40                         | 23100                       | <1                          | <0.01                        | 19                          | 270                         | 138                         | 2.24                        | 205                         | 21                          | 45                          |
| I079199            |                                   | 10                           | <1                          | 0.04                        | <10                          | 3.77                         | 531                         | 3                           | 0.02                         | 10                          | 2070                        | 482                         | 0.05                        | 40                          | 10                          | 52                          |



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Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11184561**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | Ag- OG46 | Zn- OG46 |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|
|                    |                                   | Th        | Ti        | Tl        | U         | V         | W         | Zn        | Ag       | Zn       |
|                    |                                   | ppm       | %         | ppm       | ppm       | ppm       | ppm       | ppm       | ppm      | %        |
|                    |                                   | 20        | 0.01      | 10        | 10        | 1         | 10        | 2         | 1        | 0.001    |
| I079191            |                                   | <20       | 0.04      | <10       | <10       | 16        | <10       | 65        |          |          |
| I079192            |                                   | <20       | <0.01     | <10       | <10       | 21        | <10       | 167       |          |          |
| I079193            |                                   | <20       | 0.02      | <10       | <10       | 15        | <10       | 97        |          |          |
| I079194            |                                   | <20       | 0.01      | <10       | 10        | 9         | <10       | 1440      |          |          |
| I079195            |                                   | <20       | 0.06      | <10       | <10       | 58        | <10       | 30        |          |          |
| I079196            |                                   | <20       | 0.01      | <10       | <10       | 4         | <10       | 168       |          |          |
| I079197            |                                   | <20       | 0.01      | <10       | <10       | 16        | <10       | 74        |          |          |
| I079198            |                                   | <20       | <0.01     | <10       | <10       | 38        | <10       | >10000    | 276      | 10.00    |
| I079199            |                                   | <20       | 0.18      | <10       | <10       | 140       | <10       | 258       |          |          |



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**CERTIFICATE WH11181097**

Project: Mill City- Gram

P.O. No.:

This report is for 125 Soil samples submitted to our lab in Whitehorse, YT, Canada on 11- SEP- 2011.

The following have access to data associated with this certificate:

DOUG EATON

SARAH EATON

JOAN MARIACHER

**SAMPLE PREPARATION**

| ALS CODE | DESCRIPTION                     |
|----------|---------------------------------|
| WEI- 21  | Received Sample Weight          |
| LOG- 22  | Sample login - Rcd w/o BarCode  |
| SCR- 41  | Screen to - 180um and save both |

**ANALYTICAL PROCEDURES**

| ALS CODE  | DESCRIPTION                    | INSTRUMENT |
|-----------|--------------------------------|------------|
| Au- ICP21 | Au 30g FA ICP- AES Finish      | ICP- AES   |
| ME- ICP41 | 35 Element Aqua Regia ICP- AES | ICP- AES   |

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Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11181097**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI- 21<br>Recvd Wt.<br>kg | Au- ICP21<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                       | 0.001                  | 0.2                    | 0.01                 | 2                      | 10                    | 10                     | 0.5                    | 2                      | 0.01                 | 0.5                    | 1                      | 1                      | 1                      | 0.01                 |
| CC146001           |                                   | 0.28                       | 0.005                  | 0.3                    | 1.14                 | 22                     | <10                   | 130                    | <0.5                   | <2                     | 0.08                 | <0.5                   | 5                      | 22                     | 23                     | 2.56                 |
| CC146002           |                                   | 0.20                       | 0.005                  | 1.7                    | 1.44                 | 30                     | <10                   | 130                    | <0.5                   | <2                     | 0.08                 | 0.6                    | 8                      | 25                     | 33                     | 2.88                 |
| CC146003           |                                   | 0.32                       | 0.009                  | 3.0                    | 1.55                 | 63                     | <10                   | 210                    | <0.5                   | <2                     | 0.15                 | 0.9                    | 9                      | 28                     | 37                     | 3.12                 |
| CC146004           |                                   | 0.40                       | 0.009                  | 3.8                    | 1.29                 | 75                     | <10                   | 110                    | <0.5                   | <2                     | 0.10                 | 0.8                    | 9                      | 24                     | 35                     | 2.84                 |
| CC146005           |                                   | 0.34                       | 0.012                  | 5.9                    | 1.50                 | 123                    | <10                   | 110                    | <0.5                   | <2                     | 0.10                 | 0.8                    | 9                      | 35                     | 40                     | 3.39                 |
| CC146006           |                                   | 0.24                       | 0.011                  | 3.5                    | 1.14                 | 130                    | <10                   | 130                    | <0.5                   | <2                     | 0.07                 | 1.8                    | 26                     | 22                     | 44                     | 3.12                 |
| CC146007           |                                   | 0.30                       | 0.023                  | 11.9                   | 0.78                 | 290                    | <10                   | 100                    | <0.5                   | <2                     | 0.08                 | 1.0                    | 6                      | 17                     | 38                     | 2.87                 |
| CC146008           |                                   | 0.32                       | 0.018                  | 1.4                    | 1.18                 | 82                     | <10                   | 90                     | <0.5                   | <2                     | 0.11                 | 0.8                    | 10                     | 25                     | 82                     | 3.34                 |
| CC146009           |                                   | 0.30                       | 0.005                  | <0.2                   | 1.15                 | 11                     | <10                   | 90                     | <0.5                   | <2                     | 0.12                 | <0.5                   | 8                      | 23                     | 30                     | 2.28                 |
| CC146010           |                                   | 0.34                       | 0.004                  | <0.2                   | 0.91                 | 16                     | <10                   | 50                     | <0.5                   | 2                      | 0.05                 | <0.5                   | 4                      | 20                     | 14                     | 2.81                 |
| CC146011           |                                   | 0.26                       | 0.004                  | 0.2                    | 1.45                 | 17                     | <10                   | 80                     | <0.5                   | <2                     | 0.07                 | <0.5                   | 6                      | 24                     | 20                     | 2.93                 |
| CC146012           |                                   | 0.34                       | 0.005                  | <0.2                   | 1.04                 | 9                      | <10                   | 110                    | <0.5                   | <2                     | 0.05                 | <0.5                   | 7                      | 21                     | 42                     | 2.56                 |
| CC146013           |                                   | 0.32                       | 0.003                  | <0.2                   | 1.11                 | 7                      | <10                   | 150                    | <0.5                   | <2                     | 0.05                 | <0.5                   | 7                      | 21                     | 33                     | 2.62                 |
| CC146014           |                                   | 0.16                       | 0.007                  | 0.8                    | 1.62                 | 23                     | <10                   | 270                    | 0.6                    | <2                     | 0.10                 | 1.3                    | 41                     | 27                     | 36                     | 3.12                 |
| CC146015           |                                   | 0.22                       | 0.012                  | 6.1                    | 1.49                 | 82                     | <10                   | 230                    | <0.5                   | <2                     | 0.19                 | 1.2                    | 11                     | 32                     | 61                     | 2.77                 |
| CC146016           |                                   | 0.32                       | 0.005                  | 0.6                    | 1.91                 | 22                     | <10                   | 280                    | 0.5                    | <2                     | 0.16                 | 0.8                    | 10                     | 27                     | 28                     | 3.47                 |
| CC146017           |                                   | 0.28                       | 0.004                  | 0.4                    | 1.08                 | 18                     | <10                   | 150                    | <0.5                   | <2                     | 0.13                 | 0.7                    | 10                     | 21                     | 25                     | 2.22                 |
| CC146018           |                                   | 0.42                       | 0.004                  | 0.3                    | 1.44                 | 15                     | <10                   | 200                    | <0.5                   | <2                     | 0.20                 | 0.5                    | 15                     | 24                     | 83                     | 2.83                 |
| CC146019           |                                   | 0.32                       | 0.003                  | <0.2                   | 1.34                 | 12                     | <10                   | 90                     | <0.5                   | <2                     | 0.08                 | <0.5                   | 7                      | 30                     | 31                     | 2.26                 |
| CC146020           |                                   | 0.36                       | 0.014                  | 0.6                    | 1.14                 | 22                     | <10                   | 90                     | <0.5                   | <2                     | 0.11                 | <0.5                   | 7                      | 19                     | 21                     | 2.17                 |
| CC146021           |                                   | 0.30                       | 0.005                  | 0.4                    | 1.26                 | 16                     | <10                   | 90                     | <0.5                   | <2                     | 0.16                 | <0.5                   | 8                      | 21                     | 37                     | 2.35                 |
| CC146022           |                                   | 0.28                       | 0.004                  | 0.2                    | 1.33                 | 13                     | <10                   | 190                    | <0.5                   | <2                     | 0.24                 | <0.5                   | 13                     | 25                     | 86                     | 2.49                 |
| CC146023           |                                   | 0.28                       | 0.003                  | <0.2                   | 1.94                 | 15                     | <10                   | 80                     | <0.5                   | <2                     | 0.19                 | <0.5                   | 15                     | 25                     | 98                     | 3.37                 |
| CC146024           |                                   | 0.38                       | 0.008                  | 0.8                    | 1.81                 | 26                     | <10                   | 80                     | <0.5                   | <2                     | 0.25                 | 0.6                    | 18                     | 38                     | 94                     | 3.31                 |
| CC146025           |                                   | 0.38                       | 0.015                  | 10.5                   | 1.52                 | 163                    | <10                   | 110                    | <0.5                   | <2                     | 0.19                 | 2.6                    | 12                     | 30                     | 68                     | 3.09                 |
| CC146026           |                                   | 0.34                       | 0.015                  | 11.4                   | 0.95                 | 201                    | <10                   | 80                     | <0.5                   | <2                     | 0.17                 | 1.1                    | 6                      | 20                     | 33                     | 2.24                 |
| CC146027           |                                   | 0.28                       | 0.009                  | 3.7                    | 0.78                 | 167                    | <10                   | 60                     | <0.5                   | <2                     | 0.07                 | 0.5                    | 4                      | 17                     | 20                     | 2.51                 |
| CC146028           |                                   | 0.34                       | 0.008                  | 6.5                    | 0.86                 | 138                    | <10                   | 90                     | <0.5                   | <2                     | 0.11                 | 0.8                    | 5                      | 17                     | 24                     | 2.25                 |
| CC146029           |                                   | 0.34                       | 0.007                  | 6.1                    | 0.85                 | 131                    | <10                   | 90                     | <0.5                   | <2                     | 0.09                 | 0.7                    | 5                      | 17                     | 26                     | 2.15                 |
| CC146030           |                                   | 0.34                       | 0.007                  | 2.8                    | 0.92                 | 65                     | <10                   | 80                     | <0.5                   | <2                     | 0.09                 | 0.8                    | 10                     | 19                     | 52                     | 2.12                 |
| CC146031           |                                   | 0.22                       | 0.005                  | 1.8                    | 1.48                 | 39                     | <10                   | 140                    | <0.5                   | <2                     | 0.11                 | 0.6                    | 13                     | 30                     | 77                     | 2.75                 |
| CC146032           |                                   | 0.20                       | 0.005                  | 1.8                    | 1.29                 | 30                     | <10                   | 130                    | <0.5                   | <2                     | 0.08                 | 0.6                    | 8                      | 26                     | 37                     | 2.50                 |
| CC146251           |                                   | 0.12                       | 0.006                  | 0.3                    | 1.26                 | 19                     | <10                   | 180                    | <0.5                   | <2                     | 0.06                 | <0.5                   | 8                      | 27                     | 39                     | 3.16                 |
| CC146252           |                                   | 0.16                       | 0.007                  | 0.4                    | 1.14                 | 18                     | <10                   | 80                     | <0.5                   | <2                     | 0.09                 | <0.5                   | 7                      | 22                     | 53                     | 2.66                 |
| CC146253           |                                   | 0.24                       | 0.006                  | 0.3                    | 1.01                 | 19                     | <10                   | 100                    | <0.5                   | <2                     | 0.10                 | <0.5                   | 12                     | 22                     | 82                     | 3.04                 |
| CC146254           |                                   | 0.16                       | 0.009                  | 0.4                    | 1.62                 | 24                     | <10                   | 110                    | <0.5                   | <2                     | 0.13                 | <0.5                   | 12                     | 40                     | 79                     | 3.72                 |
| CC146255           |                                   | 0.22                       | 0.009                  | 0.5                    | 1.01                 | 57                     | <10                   | 90                     | <0.5                   | <2                     | 0.14                 | 0.6                    | 11                     | 19                     | 42                     | 3.00                 |
| CC146256           |                                   | 0.20                       | 0.130                  | 0.4                    | 1.20                 | 75                     | <10                   | 100                    | <0.5                   | <2                     | 0.09                 | <0.5                   | 8                      | 23                     | 41                     | 2.94                 |
| CC146257           |                                   | 0.14                       | 0.004                  | 0.3                    | 1.46                 | 40                     | <10                   | 70                     | <0.5                   | <2                     | 0.05                 | <0.5                   | 7                      | 27                     | 38                     | 3.15                 |
| CC146258           |                                   | 0.30                       | 0.003                  | 0.3                    | 1.25                 | 26                     | <10                   | 90                     | <0.5                   | <2                     | 0.10                 | <0.5                   | 9                      | 26                     | 41                     | 2.74                 |



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Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11181097**

| 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 |
|--------------------|-----------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| CC146001           |                                   | 10                           | <1                          | 0.04                        | 10                           | 0.29                         | 305                         | 1                           | 0.01                         | 16                          | 820                         | 13                          | 0.06                        | <2                          | 1                           | 11                          |
| CC146002           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.38                         | 599                         | 1                           | 0.01                         | 22                          | 950                         | 29                          | 0.05                        | <2                          | 2                           | 10                          |
| CC146003           |                                   | 10                           | <1                          | 0.05                        | 10                           | 0.47                         | 675                         | 1                           | 0.01                         | 24                          | 880                         | 74                          | 0.04                        | 3                           | 2                           | 17                          |
| CC146004           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.41                         | 538                         | 1                           | 0.01                         | 23                          | 840                         | 90                          | 0.02                        | 4                           | 3                           | 12                          |
| CC146005           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.47                         | 509                         | 1                           | 0.01                         | 27                          | 1020                        | 126                         | 0.05                        | 8                           | 2                           | 14                          |
| CC146006           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.29                         | 1205                        | 1                           | 0.01                         | 29                          | 1010                        | 92                          | 0.03                        | 7                           | 3                           | 12                          |
| CC146007           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.24                         | 314                         | 1                           | 0.01                         | 17                          | 980                         | 252                         | 0.04                        | 17                          | 2                           | 18                          |
| CC146008           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.37                         | 552                         | 1                           | 0.01                         | 33                          | 1030                        | 57                          | 0.03                        | 3                           | 3                           | 15                          |
| CC146009           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.35                         | 335                         | <1                          | 0.01                         | 21                          | 580                         | 8                           | 0.04                        | <2                          | 2                           | 11                          |
| CC146010           |                                   | <10                          | 1                           | 0.03                        | 10                           | 0.23                         | 203                         | 1                           | 0.01                         | 12                          | 350                         | 20                          | 0.03                        | <2                          | 1                           | 8                           |
| CC146011           |                                   | <10                          | 1                           | 0.04                        | 10                           | 0.35                         | 246                         | 1                           | 0.01                         | 18                          | 390                         | 12                          | 0.03                        | <2                          | 2                           | 9                           |
| CC146012           |                                   | 10                           | <1                          | 0.02                        | 10                           | 0.38                         | 423                         | 1                           | 0.01                         | 23                          | 360                         | 9                           | 0.02                        | <2                          | 1                           | 6                           |
| CC146013           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.34                         | 355                         | 1                           | <0.01                        | 26                          | 410                         | 9                           | 0.03                        | <2                          | 1                           | 7                           |
| CC146014           |                                   | <10                          | <1                          | 0.05                        | 10                           | 0.27                         | 4710                        | 2                           | <0.01                        | 17                          | 1960                        | 29                          | 0.22                        | 2                           | 1                           | 14                          |
| CC146015           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.49                         | 379                         | 1                           | <0.01                        | 27                          | 870                         | 118                         | 0.04                        | 16                          | 2                           | 17                          |
| CC146016           |                                   | 10                           | <1                          | 0.06                        | 20                           | 0.63                         | 448                         | 2                           | <0.01                        | 20                          | 850                         | 31                          | 0.05                        | 3                           | 2                           | 19                          |
| CC146017           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.38                         | 812                         | 1                           | <0.01                        | 17                          | 570                         | 23                          | 0.03                        | 3                           | 2                           | 14                          |
| CC146018           |                                   | <10                          | <1                          | 0.10                        | 10                           | 0.52                         | 366                         | 1                           | <0.01                        | 29                          | 790                         | 16                          | 0.02                        | <2                          | 3                           | 12                          |
| CC146019           |                                   | 10                           | <1                          | 0.02                        | 10                           | 0.33                         | 163                         | 1                           | <0.01                        | 16                          | 210                         | 9                           | 0.01                        | <2                          | 2                           | 8                           |
| CC146020           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.29                         | 303                         | 1                           | <0.01                        | 17                          | 590                         | 28                          | 0.01                        | 2                           | 2                           | 10                          |
| CC146021           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.35                         | 271                         | 1                           | <0.01                        | 19                          | 810                         | 13                          | 0.01                        | 2                           | 2                           | 13                          |
| CC146022           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.47                         | 380                         | 1                           | <0.01                        | 20                          | 740                         | 7                           | 0.01                        | 2                           | 4                           | 18                          |
| CC146023           |                                   | 10                           | <1                          | 0.02                        | 10                           | 0.62                         | 366                         | 1                           | <0.01                        | 23                          | 620                         | 7                           | 0.03                        | 2                           | 3                           | 20                          |
| CC146024           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.57                         | 537                         | 1                           | 0.01                         | 42                          | 1240                        | 32                          | 0.04                        | 4                           | 2                           | 20                          |
| CC146025           |                                   | <10                          | 1                           | 0.04                        | 20                           | 0.48                         | 455                         | 1                           | <0.01                        | 29                          | 1010                        | 602                         | 0.04                        | 57                          | 3                           | 15                          |
| CC146026           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.33                         | 186                         | 1                           | <0.01                        | 14                          | 800                         | 671                         | 0.02                        | 89                          | 2                           | 13                          |
| CC146027           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.19                         | 176                         | 1                           | <0.01                        | 9                           | 620                         | 255                         | 0.04                        | 18                          | 1                           | 9                           |
| CC146028           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.24                         | 218                         | 1                           | <0.01                        | 12                          | 670                         | 312                         | 0.03                        | 28                          | 1                           | 11                          |
| CC146029           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.23                         | 270                         | 1                           | <0.01                        | 11                          | 670                         | 278                         | 0.03                        | 27                          | 2                           | 9                           |
| CC146030           |                                   | <10                          | <1                          | 0.02                        | 10                           | 0.32                         | 380                         | 1                           | <0.01                        | 18                          | 580                         | 125                         | 0.01                        | 15                          | 2                           | 8                           |
| CC146031           |                                   | <10                          | 1                           | 0.04                        | 20                           | 0.49                         | 553                         | 2                           | <0.01                        | 27                          | 790                         | 76                          | 0.03                        | 7                           | 2                           | 15                          |
| CC146032           |                                   | 10                           | <1                          | 0.04                        | 10                           | 0.37                         | 350                         | 2                           | <0.01                        | 17                          | 770                         | 52                          | 0.05                        | 4                           | 1                           | 10                          |
| CC146251           |                                   | <10                          | <1                          | 0.04                        | 30                           | 0.32                         | 313                         | 2                           | <0.01                        | 30                          | 760                         | 12                          | 0.04                        | <2                          | 2                           | 14                          |
| CC146252           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.28                         | 226                         | 1                           | <0.01                        | 25                          | 850                         | 15                          | 0.04                        | <2                          | 1                           | 11                          |
| CC146253           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.31                         | 413                         | 1                           | <0.01                        | 39                          | 810                         | 13                          | 0.03                        | 2                           | 2                           | 14                          |
| CC146254           |                                   | <10                          | <1                          | 0.05                        | 30                           | 0.57                         | 349                         | 2                           | <0.01                        | 43                          | 1080                        | 13                          | 0.04                        | <2                          | 3                           | 18                          |
| CC146255           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.30                         | 514                         | 2                           | <0.01                        | 35                          | 940                         | 25                          | 0.02                        | 2                           | 2                           | 15                          |
| CC146256           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.31                         | 251                         | 2                           | <0.01                        | 26                          | 780                         | 30                          | 0.03                        | <2                          | 1                           | 12                          |
| CC146257           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.38                         | 272                         | 2                           | <0.01                        | 24                          | 980                         | 24                          | 0.05                        | 2                           | 1                           | 10                          |
| CC146258           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.38                         | 310                         | 1                           | <0.01                        | 27                          | 790                         | 13                          | 0.02                        | 2                           | 3                           | 11                          |



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**CERTIFICATE OF ANALYSIS WH11181097**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                    |                                   | Th        | Ti        | Ti        | U         | V         | W         | Zn        |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1  | ppm<br>10 | ppm<br>2  |
| CC146001           |                                   | <20       | 0.04      | <10       | <10       | 50        | <10       | 64        |
| CC146002           |                                   | <20       | 0.03      | <10       | <10       | 45        | <10       | 86        |
| CC146003           |                                   | <20       | 0.04      | <10       | <10       | 47        | <10       | 116       |
| CC146004           |                                   | <20       | 0.04      | <10       | <10       | 39        | <10       | 108       |
| CC146005           |                                   | <20       | 0.03      | <10       | <10       | 45        | <10       | 125       |
| CC146006           |                                   | <20       | 0.04      | <10       | <10       | 30        | <10       | 152       |
| CC146007           |                                   | <20       | 0.03      | <10       | <10       | 24        | <10       | 98        |
| CC146008           |                                   | <20       | 0.04      | <10       | <10       | 34        | <10       | 125       |
| CC146009           |                                   | <20       | 0.05      | <10       | <10       | 39        | <10       | 57        |
| CC146010           |                                   | <20       | 0.04      | <10       | <10       | 39        | <10       | 53        |
| CC146011           |                                   | <20       | 0.04      | <10       | <10       | 48        | <10       | 63        |
| CC146012           |                                   | <20       | 0.03      | <10       | <10       | 38        | <10       | 61        |
| CC146013           |                                   | <20       | 0.03      | <10       | <10       | 40        | <10       | 66        |
| CC146014           |                                   | <20       | 0.03      | <10       | <10       | 55        | <10       | 82        |
| CC146015           |                                   | <20       | 0.05      | <10       | <10       | 51        | <10       | 144       |
| CC146016           |                                   | <20       | 0.05      | <10       | <10       | 45        | <10       | 145       |
| CC146017           |                                   | <20       | 0.04      | <10       | <10       | 36        | <10       | 90        |
| CC146018           |                                   | <20       | 0.08      | <10       | <10       | 48        | <10       | 114       |
| CC146019           |                                   | <20       | 0.07      | <10       | <10       | 63        | <10       | 47        |
| CC146020           |                                   | <20       | 0.03      | <10       | <10       | 31        | <10       | 90        |
| CC146021           |                                   | <20       | 0.04      | <10       | <10       | 35        | <10       | 65        |
| CC146022           |                                   | <20       | 0.06      | <10       | <10       | 44        | <10       | 71        |
| CC146023           |                                   | <20       | 0.08      | <10       | <10       | 67        | <10       | 64        |
| CC146024           |                                   | <20       | 0.05      | <10       | <10       | 50        | <10       | 116       |
| CC146025           |                                   | <20       | 0.05      | <10       | <10       | 46        | <10       | 232       |
| CC146026           |                                   | <20       | 0.05      | <10       | <10       | 31        | <10       | 115       |
| CC146027           |                                   | <20       | 0.02      | <10       | <10       | 30        | <10       | 113       |
| CC146028           |                                   | <20       | 0.03      | <10       | <10       | 28        | <10       | 106       |
| CC146029           |                                   | <20       | 0.03      | <10       | <10       | 26        | <10       | 106       |
| CC146030           |                                   | <20       | 0.03      | <10       | <10       | 28        | <10       | 92        |
| CC146031           |                                   | <20       | 0.04      | <10       | <10       | 41        | <10       | 114       |
| CC146032           |                                   | <20       | 0.03      | <10       | <10       | 46        | <10       | 83        |
| CC146251           |                                   | <20       | 0.02      | <10       | <10       | 39        | <10       | 80        |
| CC146252           |                                   | <20       | 0.02      | <10       | <10       | 35        | <10       | 69        |
| CC146253           |                                   | <20       | 0.03      | <10       | <10       | 31        | <10       | 80        |
| CC146254           |                                   | <20       | 0.04      | <10       | <10       | 44        | <10       | 102       |
| CC146255           |                                   | <20       | 0.03      | <10       | <10       | 30        | <10       | 123       |
| CC146256           |                                   | <20       | 0.03      | <10       | <10       | 36        | <10       | 87        |
| CC146257           |                                   | <20       | 0.01      | <10       | <10       | 40        | <10       | 80        |
| CC146258           |                                   | <20       | 0.04      | <10       | <10       | 36        | <10       | 76        |



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Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11181097**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI- 21<br>Recvd Wt.<br>kg | Au- ICP21<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                       | 0.001                  | 0.2                    | 0.01                 | 2                      | 10                    | 10                     | 0.5                    | 2                      | 0.01                 | 0.5                    | 1                      | 1                      | 1                      | 0.01                 |
| CC146259           |                                   | 0.20                       | 0.004                  | <0.2                   | 0.92                 | 25                     | <10                   | 50                     | <0.5                   | <2                     | 0.13                 | <0.5                   | 7                      | 20                     | 25                     | 2.34                 |
| CC146260           |                                   | 0.16                       | 0.003                  | 0.4                    | 1.63                 | 34                     | <10                   | 150                    | <0.5                   | <2                     | 0.09                 | <0.5                   | 12                     | 29                     | 36                     | 3.41                 |
| CC146261           |                                   | 0.16                       | 0.001                  | 0.3                    | 1.61                 | 31                     | <10                   | 150                    | <0.5                   | <2                     | 0.07                 | <0.5                   | 9                      | 30                     | 31                     | 3.39                 |
| CC146262           |                                   | 0.28                       | 0.006                  | 0.4                    | 1.46                 | 24                     | <10                   | 100                    | <0.5                   | <2                     | 0.12                 | <0.5                   | 11                     | 26                     | 39                     | 3.18                 |
| CC146263           |                                   | 0.24                       | 0.005                  | 0.4                    | 1.29                 | 26                     | <10                   | 110                    | <0.5                   | <2                     | 0.13                 | 0.5                    | 11                     | 25                     | 40                     | 3.06                 |
| CC146264           |                                   | 0.16                       | 0.004                  | 0.3                    | 1.57                 | 23                     | <10                   | 130                    | <0.5                   | <2                     | 0.07                 | <0.5                   | 8                      | 27                     | 30                     | 3.18                 |
| CC146265           |                                   | 0.16                       | 0.003                  | 0.5                    | 1.85                 | 28                     | <10                   | 210                    | <0.5                   | <2                     | 0.08                 | 0.5                    | 10                     | 29                     | 37                     | 4.11                 |
| CC146266           |                                   | 0.26                       | 0.005                  | 0.3                    | 1.41                 | 21                     | <10                   | 130                    | <0.5                   | <2                     | 0.08                 | <0.5                   | 8                      | 23                     | 31                     | 3.30                 |
| CC146267           |                                   | 0.24                       | 0.005                  | 1.0                    | 1.25                 | 42                     | <10                   | 140                    | <0.5                   | <2                     | 0.09                 | <0.5                   | 6                      | 29                     | 38                     | 4.22                 |
| CC146268           |                                   | 0.36                       | 0.007                  | 0.8                    | 1.57                 | 32                     | <10                   | 120                    | <0.5                   | <2                     | 0.19                 | 0.5                    | 20                     | 30                     | 84                     | 4.74                 |
| CC146269           |                                   | 0.10                       | 0.002                  | 0.5                    | 1.49                 | 28                     | <10                   | 170                    | <0.5                   | <2                     | 0.11                 | <0.5                   | 11                     | 26                     | 47                     | 4.16                 |
| CC146270           |                                   | 0.22                       | 0.003                  | 0.3                    | 1.71                 | 24                     | <10                   | 150                    | <0.5                   | <2                     | 0.13                 | <0.5                   | 15                     | 29                     | 48                     | 3.54                 |
| CC146271           |                                   | 0.20                       | 0.003                  | 0.4                    | 1.34                 | 24                     | <10                   | 130                    | <0.5                   | <2                     | 0.17                 | 0.7                    | 13                     | 22                     | 41                     | 3.11                 |
| CC146272           |                                   | 0.20                       | 0.007                  | 1.7                    | 1.22                 | 109                    | <10                   | 110                    | <0.5                   | <2                     | 0.06                 | 0.7                    | 10                     | 20                     | 60                     | 3.93                 |
| CC146273           |                                   | 0.28                       | 0.001                  | 0.3                    | 1.15                 | 47                     | <10                   | 50                     | <0.5                   | <2                     | 0.03                 | 0.5                    | 9                      | 20                     | 96                     | 3.31                 |
| CC146274           |                                   | 0.20                       | 0.009                  | 0.9                    | 1.47                 | 75                     | <10                   | 110                    | <0.5                   | <2                     | 0.09                 | 0.7                    | 13                     | 29                     | 97                     | 3.78                 |
| CC146275           |                                   | 0.22                       | 0.002                  | 1.0                    | 1.21                 | 21                     | <10                   | 130                    | <0.5                   | <2                     | 0.10                 | <0.5                   | 8                      | 40                     | 63                     | 2.75                 |
| CC146276           |                                   | 0.26                       | 0.002                  | 0.5                    | 1.62                 | 31                     | <10                   | 170                    | <0.5                   | <2                     | 0.17                 | 0.6                    | 19                     | 48                     | 159                    | 3.72                 |
| CC146277           |                                   | 0.18                       | 0.006                  | 1.4                    | 1.07                 | 97                     | <10                   | 150                    | <0.5                   | <2                     | 0.05                 | 0.6                    | 12                     | 23                     | 64                     | 4.60                 |
| CC146278           |                                   | 0.22                       | 0.001                  | 0.7                    | 1.32                 | 37                     | <10                   | 40                     | <0.5                   | <2                     | 0.03                 | <0.5                   | 6                      | 36                     | 83                     | 4.50                 |
| CC146279           |                                   | 0.24                       | 0.002                  | 0.3                    | 1.03                 | 51                     | <10                   | 150                    | <0.5                   | <2                     | 0.04                 | <0.5                   | 5                      | 21                     | 150                    | 5.14                 |
| CC146280           |                                   | 0.16                       | 0.004                  | 0.6                    | 1.54                 | 21                     | <10                   | 250                    | <0.5                   | <2                     | 0.09                 | <0.5                   | 7                      | 40                     | 96                     | 2.80                 |
| CC146281           |                                   | 0.08                       | 0.005                  | 0.4                    | 1.53                 | 28                     | <10                   | 170                    | <0.5                   | <2                     | 0.11                 | <0.5                   | 8                      | 26                     | 49                     | 4.31                 |
| CC146282           |                                   | 0.22                       | <0.001                 | 0.3                    | 0.96                 | 15                     | <10                   | 60                     | <0.5                   | <2                     | 0.05                 | <0.5                   | 3                      | 20                     | 25                     | 2.28                 |
| CC146283           |                                   | 0.14                       | NSS                    | 1.0                    | 1.66                 | 25                     | <10                   | 170                    | <0.5                   | <2                     | 0.07                 | <0.5                   | 6                      | 31                     | 110                    | 3.29                 |
| CC146284           |                                   | 0.22                       | 0.004                  | <0.2                   | 1.61                 | 31                     | <10                   | 140                    | <0.5                   | <2                     | 0.08                 | <0.5                   | 13                     | 29                     | 98                     | 3.34                 |
| CC146285           |                                   | 0.20                       | 0.007                  | 0.3                    | 1.58                 | 22                     | <10                   | 100                    | <0.5                   | <2                     | 0.13                 | <0.5                   | 20                     | 39                     | 106                    | 3.20                 |
| CC146286           |                                   | 0.24                       | 0.005                  | 0.2                    | 1.29                 | 55                     | <10                   | 130                    | <0.5                   | <2                     | 0.16                 | <0.5                   | 19                     | 33                     | 133                    | 2.99                 |
| CC146287           |                                   | 0.24                       | 0.002                  | 0.2                    | 1.41                 | 16                     | <10                   | 130                    | <0.5                   | <2                     | 0.16                 | <0.5                   | 9                      | 28                     | 57                     | 2.75                 |
| CC146288           |                                   | 0.22                       | 0.005                  | 0.3                    | 1.38                 | 17                     | <10                   | 150                    | <0.5                   | <2                     | 0.17                 | <0.5                   | 12                     | 27                     | 60                     | 2.84                 |
| CC146289           |                                   | 0.24                       | 0.003                  | <0.2                   | 1.52                 | 12                     | <10                   | 210                    | <0.5                   | <2                     | 0.31                 | <0.5                   | 7                      | 28                     | 39                     | 2.43                 |
| CC146290           |                                   | 0.14                       | 0.001                  | 0.4                    | 1.68                 | 14                     | <10                   | 180                    | <0.5                   | <2                     | 0.15                 | <0.5                   | 6                      | 27                     | 33                     | 2.81                 |
| CC146291           |                                   | 0.14                       | <0.001                 | 0.4                    | 1.81                 | 7                      | <10                   | 220                    | <0.5                   | <2                     | 0.72                 | 1.5                    | 9                      | 28                     | 55                     | 2.65                 |
| CC146292           |                                   | 0.18                       | 0.002                  | 0.8                    | 2.08                 | 13                     | <10                   | 240                    | 0.7                    | <2                     | 0.54                 | 1.8                    | 26                     | 28                     | 38                     | 3.11                 |
| CC146293           |                                   | 0.20                       | 0.002                  | 0.6                    | 1.55                 | 10                     | <10                   | 290                    | 0.5                    | <2                     | 0.35                 | <0.5                   | 10                     | 24                     | 26                     | 2.21                 |
| CC146294           |                                   | 0.18                       | <0.001                 | 0.7                    | 1.88                 | 9                      | <10                   | 300                    | 0.6                    | <2                     | 0.38                 | 0.7                    | 12                     | 27                     | 31                     | 2.85                 |
| CC146295           |                                   | 0.16                       | 0.002                  | 0.8                    | 1.54                 | 13                     | <10                   | 230                    | <0.5                   | <2                     | 0.38                 | 0.5                    | 11                     | 27                     | 35                     | 2.57                 |
| CC146296           |                                   | 0.20                       | 0.002                  | 1.3                    | 1.83                 | 10                     | <10                   | 240                    | <0.5                   | <2                     | 0.34                 | 0.7                    | 10                     | 37                     | 41                     | 3.10                 |
| CC146297           |                                   | 0.22                       | 0.001                  | 0.6                    | 1.58                 | 7                      | <10                   | 130                    | <0.5                   | <2                     | 0.29                 | <0.5                   | 6                      | 34                     | 29                     | 2.67                 |
| CC146298           |                                   | 0.20                       | 0.001                  | 0.8                    | 0.68                 | 9                      | <10                   | 30                     | <0.5                   | <2                     | 0.07                 | <0.5                   | 5                      | 12                     | 27                     | 2.50                 |



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Plus Appendix Pages  
Finalized Date: 26- OCT- 2011  
Account: F

Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11181097**

| 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 |
|--------------------|-----------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| CC146259           |                                   | <10                          | <1                          | 0.02                        | 20                           | 0.26                         | 211                         | 1                           | <0.01                        | 20                          | 730                         | 7                           | 0.03                        | 2                           | 1                           | 11                          |
| CC146260           |                                   | 10                           | <1                          | 0.04                        | 20                           | 0.45                         | 628                         | 2                           | <0.01                        | 29                          | 900                         | 16                          | 0.05                        | 2                           | 2                           | 14                          |
| CC146261           |                                   | 10                           | <1                          | 0.04                        | 20                           | 0.41                         | 397                         | 2                           | <0.01                        | 25                          | 940                         | 15                          | 0.05                        | 2                           | 2                           | 12                          |
| CC146262           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.40                         | 619                         | 2                           | <0.01                        | 25                          | 980                         | 13                          | 0.03                        | <2                          | 2                           | 13                          |
| CC146263           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.39                         | 529                         | 2                           | <0.01                        | 27                          | 1010                        | 13                          | 0.02                        | 2                           | 3                           | 14                          |
| CC146264           |                                   | 10                           | <1                          | 0.04                        | 20                           | 0.44                         | 315                         | 2                           | <0.01                        | 21                          | 940                         | 16                          | 0.05                        | <2                          | 1                           | 12                          |
| CC146265           |                                   | 10                           | <1                          | 0.04                        | 30                           | 0.52                         | 479                         | 3                           | <0.01                        | 25                          | 1060                        | 23                          | 0.06                        | 2                           | 2                           | 14                          |
| CC146266           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.42                         | 374                         | 2                           | <0.01                        | 19                          | 850                         | 16                          | 0.03                        | 2                           | 2                           | 12                          |
| CC146267           |                                   | <10                          | <1                          | 0.03                        | 40                           | 0.40                         | 212                         | 5                           | 0.01                         | 20                          | 1300                        | 19                          | 0.08                        | 3                           | 2                           | 17                          |
| CC146268           |                                   | <10                          | <1                          | 0.03                        | 40                           | 0.62                         | 532                         | 3                           | 0.01                         | 39                          | 1290                        | 17                          | 0.07                        | 3                           | 3                           | 21                          |
| CC146269           |                                   | <10                          | <1                          | 0.03                        | 40                           | 0.49                         | 407                         | 4                           | 0.01                         | 24                          | 1030                        | 22                          | 0.07                        | <2                          | 1                           | 16                          |
| CC146270           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.61                         | 501                         | 2                           | 0.01                         | 25                          | 890                         | 15                          | 0.04                        | <2                          | 2                           | 18                          |
| CC146271           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.45                         | 602                         | 2                           | 0.01                         | 29                          | 780                         | 15                          | 0.03                        | <2                          | 2                           | 16                          |
| CC146272           |                                   | <10                          | <1                          | 0.03                        | 30                           | 0.32                         | 415                         | 1                           | 0.01                         | 35                          | 940                         | 76                          | 0.04                        | 10                          | 2                           | 13                          |
| CC146273           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.56                         | 654                         | 3                           | 0.01                         | 21                          | 810                         | 24                          | 0.04                        | <2                          | 1                           | 10                          |
| CC146274           |                                   | <10                          | 1                           | 0.03                        | 30                           | 0.58                         | 714                         | 3                           | 0.01                         | 31                          | 720                         | 28                          | 0.03                        | 2                           | 2                           | 13                          |
| CC146275           |                                   | <10                          | <1                          | 0.02                        | 10                           | 0.68                         | 403                         | 2                           | 0.01                         | 29                          | 570                         | 15                          | 0.04                        | <2                          | 1                           | 11                          |
| CC146276           |                                   | <10                          | <1                          | 0.03                        | 30                           | 0.94                         | 967                         | 2                           | 0.01                         | 50                          | 540                         | 18                          | 0.02                        | <2                          | 3                           | 12                          |
| CC146277           |                                   | <10                          | <1                          | 0.05                        | 30                           | 0.30                         | 737                         | 2                           | 0.01                         | 36                          | 790                         | 103                         | 0.04                        | 6                           | 2                           | 11                          |
| CC146278           |                                   | 10                           | <1                          | 0.02                        | 10                           | 0.56                         | 332                         | 2                           | 0.01                         | 34                          | 500                         | 16                          | 0.03                        | 2                           | 3                           | 6                           |
| CC146279           |                                   | <10                          | <1                          | 0.03                        | 30                           | 0.47                         | 413                         | 22                          | 0.01                         | 16                          | 720                         | 36                          | 0.05                        | <2                          | 2                           | 20                          |
| CC146280           |                                   | <10                          | 1                           | 0.03                        | 20                           | 0.69                         | 375                         | 4                           | 0.01                         | 23                          | 700                         | 33                          | 0.05                        | <2                          | 2                           | 14                          |
| CC146281           |                                   | <10                          | <1                          | 0.03                        | 30                           | 0.49                         | 324                         | 4                           | 0.01                         | 23                          | 980                         | 22                          | 0.07                        | 2                           | 2                           | 16                          |
| CC146282           |                                   | 10                           | <1                          | 0.02                        | 10                           | 0.25                         | 220                         | 2                           | 0.01                         | 10                          | 460                         | 16                          | 0.03                        | <2                          | 1                           | 9                           |
| CC146283           |                                   | 10                           | <1                          | 0.04                        | 20                           | 0.59                         | 464                         | 3                           | 0.01                         | 29                          | 750                         | 12                          | 0.06                        | <2                          | 1                           | 13                          |
| CC146284           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.62                         | 971                         | 2                           | 0.01                         | 31                          | 690                         | 17                          | 0.03                        | <2                          | 2                           | 12                          |
| CC146285           |                                   | <10                          | 1                           | 0.03                        | 20                           | 0.71                         | 1340                        | 2                           | 0.01                         | 38                          | 740                         | 20                          | 0.03                        | <2                          | 3                           | 12                          |
| CC146286           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.63                         | 1300                        | 2                           | 0.01                         | 50                          | 910                         | 13                          | 0.02                        | <2                          | 3                           | 14                          |
| CC146287           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.52                         | 383                         | 2                           | 0.01                         | 29                          | 990                         | 13                          | 0.02                        | <2                          | 2                           | 14                          |
| CC146288           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.53                         | 726                         | 2                           | 0.01                         | 32                          | 1030                        | 14                          | 0.04                        | <2                          | 1                           | 15                          |
| CC146289           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.51                         | 304                         | 2                           | 0.01                         | 24                          | 630                         | 9                           | 0.04                        | <2                          | 2                           | 19                          |
| CC146290           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.45                         | 249                         | 2                           | 0.01                         | 18                          | 720                         | 14                          | 0.06                        | <2                          | 1                           | 14                          |
| CC146291           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.60                         | 344                         | 2                           | 0.01                         | 31                          | 1140                        | 12                          | 0.09                        | <2                          | 3                           | 31                          |
| CC146292           |                                   | <10                          | <1                          | 0.03                        | 30                           | 0.41                         | 2200                        | 4                           | 0.01                         | 38                          | 1570                        | 18                          | 0.10                        | <2                          | 3                           | 27                          |
| CC146293           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.43                         | 366                         | 2                           | 0.01                         | 28                          | 1350                        | 13                          | 0.05                        | <2                          | 2                           | 19                          |
| CC146294           |                                   | <10                          | <1                          | 0.03                        | 30                           | 0.59                         | 494                         | 4                           | 0.01                         | 34                          | 1570                        | 13                          | 0.07                        | <2                          | 2                           | 22                          |
| CC146295           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.57                         | 202                         | 3                           | 0.01                         | 35                          | 1430                        | 15                          | 0.05                        | <2                          | 2                           | 22                          |
| CC146296           |                                   | <10                          | 1                           | 0.03                        | 20                           | 0.75                         | 281                         | 5                           | 0.01                         | 36                          | 1490                        | 15                          | 0.05                        | <2                          | 2                           | 24                          |
| CC146297           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.63                         | 130                         | 4                           | 0.01                         | 19                          | 1320                        | 13                          | 0.04                        | <2                          | 2                           | 19                          |
| CC146298           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.14                         | 96                          | 4                           | 0.01                         | 20                          | 820                         | 10                          | 0.02                        | <2                          | 1                           | 10                          |



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Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11181097**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                    |                                   | Th        | Ti        | Ti        | U         | V         | W         | Zn        |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1  | ppm<br>10 | ppm<br>2  |
| CC146259           |                                   | <20       | 0.03      | <10       | <10       | 36        | <10       | 67        |
| CC146260           |                                   | <20       | 0.03      | <10       | <10       | 48        | <10       | 98        |
| CC146261           |                                   | <20       | 0.03      | <10       | <10       | 52        | <10       | 99        |
| CC146262           |                                   | <20       | 0.04      | <10       | <10       | 45        | <10       | 105       |
| CC146263           |                                   | <20       | 0.04      | <10       | <10       | 43        | <10       | 112       |
| CC146264           |                                   | <20       | 0.03      | <10       | <10       | 51        | <10       | 87        |
| CC146265           |                                   | <20       | 0.04      | <10       | <10       | 51        | <10       | 111       |
| CC146266           |                                   | <20       | 0.04      | <10       | <10       | 41        | <10       | 86        |
| CC146267           |                                   | <20       | 0.02      | <10       | <10       | 40        | <10       | 87        |
| CC146268           |                                   | <20       | 0.05      | <10       | <10       | 41        | <10       | 114       |
| CC146269           |                                   | <20       | 0.02      | <10       | <10       | 36        | <10       | 87        |
| CC146270           |                                   | <20       | 0.03      | <10       | <10       | 46        | <10       | 92        |
| CC146271           |                                   | <20       | 0.03      | <10       | <10       | 38        | <10       | 147       |
| CC146272           |                                   | <20       | 0.01      | <10       | <10       | 27        | <10       | 231       |
| CC146273           |                                   | <20       | 0.01      | <10       | <10       | 20        | <10       | 114       |
| CC146274           |                                   | <20       | 0.01      | <10       | <10       | 31        | <10       | 173       |
| CC146275           |                                   | <20       | 0.02      | <10       | <10       | 32        | <10       | 104       |
| CC146276           |                                   | <20       | 0.03      | <10       | <10       | 36        | <10       | 182       |
| CC146277           |                                   | <20       | 0.01      | <10       | <10       | 27        | <10       | 207       |
| CC146278           |                                   | <20       | 0.02      | <10       | <10       | 43        | <10       | 171       |
| CC146279           |                                   | <20       | 0.01      | <10       | <10       | 22        | <10       | 114       |
| CC146280           |                                   | <20       | 0.02      | <10       | <10       | 35        | <10       | 67        |
| CC146281           |                                   | <20       | 0.02      | <10       | <10       | 37        | <10       | 92        |
| CC146282           |                                   | <20       | 0.03      | <10       | <10       | 39        | <10       | 41        |
| CC146283           |                                   | <20       | 0.02      | <10       | <10       | 40        | <10       | 106       |
| CC146284           |                                   | <20       | 0.03      | <10       | <10       | 41        | <10       | 94        |
| CC146285           |                                   | <20       | 0.03      | <10       | <10       | 47        | <10       | 85        |
| CC146286           |                                   | <20       | 0.02      | <10       | <10       | 36        | <10       | 87        |
| CC146287           |                                   | <20       | 0.03      | <10       | <10       | 38        | <10       | 74        |
| CC146288           |                                   | <20       | 0.03      | <10       | <10       | 36        | <10       | 81        |
| CC146289           |                                   | <20       | 0.03      | <10       | <10       | 38        | <10       | 86        |
| CC146290           |                                   | <20       | 0.03      | <10       | <10       | 47        | <10       | 65        |
| CC146291           |                                   | <20       | 0.02      | <10       | <10       | 40        | <10       | 87        |
| CC146292           |                                   | <20       | 0.02      | <10       | <10       | 37        | <10       | 120       |
| CC146293           |                                   | <20       | 0.01      | <10       | <10       | 32        | <10       | 95        |
| CC146294           |                                   | <20       | 0.01      | <10       | <10       | 39        | <10       | 204       |
| CC146295           |                                   | <20       | 0.01      | <10       | <10       | 35        | <10       | 227       |
| CC146296           |                                   | <20       | 0.02      | <10       | <10       | 43        | <10       | 315       |
| CC146297           |                                   | <20       | 0.02      | <10       | <10       | 43        | <10       | 113       |
| CC146298           |                                   | <20       | 0.02      | <10       | <10       | 32        | <10       | 59        |



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Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11181097**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI- 21<br>Recvd Wt.<br>kg | Au- ICP21<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                       | 0.001                  | 0.2                    | 0.01                 | 2                      | 10                    | 10                     | 0.5                    | 2                      | 0.01                 | 0.5                    | 1                      | 1                      | 1                      | 0.01                 |
| CC146299           |                                   | 0.26                       | 0.003                  | 1.3                    | 1.43                 | 24                     | <10                   | 110                    | <0.5                   | <2                     | 0.29                 | 1.0                    | 16                     | 26                     | 60                     | 4.10                 |
| CC146300           |                                   | 0.26                       | 0.009                  | 1.0                    | 0.92                 | 74                     | <10                   | 40                     | <0.5                   | <2                     | 0.10                 | 0.9                    | 19                     | 18                     | 107                    | 4.87                 |
| CC146301           |                                   | 0.20                       | 0.008                  | 0.5                    | 1.04                 | 23                     | <10                   | 320                    | <0.5                   | <2                     | 0.06                 | 0.5                    | 11                     | 18                     | 97                     | 3.59                 |
| CC146302           |                                   | 0.22                       | 0.008                  | 0.3                    | 1.11                 | 26                     | <10                   | 100                    | <0.5                   | <2                     | 0.13                 | <0.5                   | 7                      | 19                     | 46                     | 2.77                 |
| CC146303           |                                   | 0.24                       | 0.022                  | 0.3                    | 1.05                 | 22                     | <10                   | 100                    | <0.5                   | <2                     | 0.15                 | <0.5                   | 9                      | 19                     | 45                     | 2.52                 |
| CC146304           |                                   | 0.18                       | 0.004                  | <0.2                   | 1.20                 | 20                     | <10                   | 80                     | <0.5                   | <2                     | 0.06                 | <0.5                   | 7                      | 26                     | 22                     | 2.84                 |
| CC146305           |                                   | 0.22                       | 0.004                  | 0.3                    | 1.30                 | 34                     | <10                   | 140                    | <0.5                   | <2                     | 0.18                 | 0.6                    | 18                     | 31                     | 84                     | 3.87                 |
| CC146306           |                                   | 0.20                       | 0.004                  | 0.3                    | 1.13                 | 26                     | <10                   | 90                     | <0.5                   | <2                     | 0.12                 | <0.5                   | 14                     | 23                     | 63                     | 3.18                 |
| CC146307           |                                   | 0.18                       | 0.002                  | 0.3                    | 1.08                 | 34                     | <10                   | 90                     | <0.5                   | <2                     | 0.06                 | <0.5                   | 8                      | 21                     | 47                     | 2.90                 |
| CC146308           |                                   | 0.24                       | 0.021                  | 1.2                    | 0.82                 | 124                    | <10                   | 90                     | <0.5                   | <2                     | 0.06                 | 0.5                    | 8                      | 15                     | 39                     | 2.71                 |
| CC146309           |                                   | 0.22                       | 0.004                  | 0.6                    | 1.32                 | 39                     | <10                   | 110                    | <0.5                   | <2                     | 0.14                 | <0.5                   | 9                      | 27                     | 47                     | 2.85                 |
| CC146310           |                                   | 0.22                       | 0.006                  | 2.2                    | 1.32                 | 73                     | <10                   | 130                    | <0.5                   | <2                     | 0.15                 | 0.8                    | 11                     | 24                     | 52                     | 3.06                 |
| CC146311           |                                   | 0.18                       | 0.005                  | 2.7                    | 1.59                 | 95                     | <10                   | 130                    | <0.5                   | <2                     | 0.11                 | 0.6                    | 9                      | 28                     | 46                     | 3.28                 |
| CC146312           |                                   | 0.22                       | 0.007                  | 1.2                    | 1.20                 | 43                     | <10                   | 80                     | <0.5                   | <2                     | 0.12                 | 0.5                    | 7                      | 25                     | 41                     | 2.86                 |
| CC146313           |                                   | 0.22                       | 0.015                  | 1.5                    | 1.12                 | 71                     | <10                   | 120                    | <0.5                   | <2                     | 0.12                 | 2.1                    | 15                     | 21                     | 70                     | 3.40                 |
| CC146314           |                                   | 0.20                       | 0.005                  | 1.9                    | 1.88                 | 43                     | <10                   | 110                    | <0.5                   | <2                     | 0.08                 | 0.9                    | 8                      | 36                     | 48                     | 3.68                 |
| CC146315           |                                   | 0.22                       | 0.014                  | 2.1                    | 1.48                 | 106                    | <10                   | 150                    | <0.5                   | <2                     | 0.13                 | 0.9                    | 11                     | 30                     | 65                     | 3.41                 |
| CC146316           |                                   | 0.18                       | 0.004                  | 3.5                    | 1.47                 | 101                    | <10                   | 130                    | <0.5                   | <2                     | 0.09                 | 0.8                    | 7                      | 29                     | 30                     | 3.05                 |
| CC146317           |                                   | 0.20                       | 0.011                  | 5.7                    | 1.70                 | 224                    | <10                   | 200                    | <0.5                   | <2                     | 0.12                 | 1.6                    | 10                     | 22                     | 28                     | 3.66                 |
| CC146318           |                                   | 0.16                       | 0.002                  | 0.5                    | 2.53                 | 26                     | <10                   | 180                    | 0.5                    | <2                     | 0.16                 | 0.6                    | 17                     | 39                     | 123                    | 4.22                 |
| CC146319           |                                   | 0.14                       | 0.002                  | 2.5                    | 2.35                 | 62                     | <10                   | 310                    | 0.5                    | <2                     | 0.12                 | <0.5                   | 9                      | 43                     | 41                     | 4.34                 |
| CC146320           |                                   | 0.20                       | 0.002                  | 0.2                    | 0.89                 | 27                     | <10                   | 60                     | <0.5                   | <2                     | 0.10                 | <0.5                   | 5                      | 20                     | 21                     | 2.69                 |
| CC146321           |                                   | 0.16                       | 0.001                  | 1.0                    | 1.75                 | 16                     | <10                   | 110                    | <0.5                   | <2                     | 0.09                 | 0.5                    | 8                      | 27                     | 18                     | 3.20                 |
| CC146322           |                                   | 0.12                       | 0.002                  | 1.0                    | 2.13                 | 22                     | <10                   | 390                    | 0.5                    | <2                     | 0.35                 | 0.5                    | 19                     | 31                     | 150                    | 3.71                 |
| CC146323           |                                   | 0.22                       | 0.006                  | 0.2                    | 1.55                 | 18                     | <10                   | 120                    | <0.5                   | <2                     | 0.32                 | <0.5                   | 21                     | 25                     | 157                    | 3.36                 |
| CC146324           |                                   | 0.26                       | 0.005                  | 0.2                    | 1.85                 | 13                     | <10                   | 160                    | <0.5                   | <2                     | 0.16                 | <0.5                   | 18                     | 25                     | 128                    | 3.58                 |
| CC146325           |                                   | 0.26                       | 0.013                  | 0.4                    | 1.74                 | 40                     | <10                   | 60                     | <0.5                   | <2                     | 0.26                 | 0.5                    | 25                     | 48                     | 148                    | 5.23                 |
| CC146326           |                                   | 0.20                       | <0.001                 | 0.2                    | 1.83                 | 13                     | <10                   | 100                    | <0.5                   | <2                     | 0.11                 | <0.5                   | 9                      | 25                     | 22                     | 2.83                 |
| CC146327           |                                   | 0.20                       | 0.001                  | 0.3                    | 0.75                 | 16                     | <10                   | 30                     | <0.5                   | <2                     | 0.06                 | <0.5                   | 3                      | 15                     | 16                     | 2.09                 |
| CC146328           |                                   | 0.22                       | <0.001                 | 0.5                    | 1.14                 | 21                     | <10                   | 70                     | <0.5                   | <2                     | 0.08                 | <0.5                   | 6                      | 18                     | 15                     | 2.29                 |
| CC146329           |                                   | 0.22                       | 0.001                  | 0.5                    | 0.77                 | 30                     | <10                   | 40                     | <0.5                   | <2                     | 0.06                 | <0.5                   | 3                      | 14                     | 14                     | 2.21                 |
| CC146330           |                                   | 0.24                       | 0.007                  | 0.8                    | 0.75                 | 28                     | <10                   | 50                     | <0.5                   | <2                     | 0.08                 | <0.5                   | 5                      | 14                     | 19                     | 2.03                 |
| CC146331           |                                   | 0.18                       | 0.010                  | 2.0                    | 0.82                 | 71                     | <10                   | 80                     | <0.5                   | <2                     | 0.10                 | 0.5                    | 6                      | 17                     | 38                     | 2.17                 |
| CC146332           |                                   | 0.20                       | 0.007                  | 1.4                    | 1.02                 | 39                     | <10                   | 110                    | <0.5                   | <2                     | 0.11                 | <0.5                   | 6                      | 22                     | 39                     | 2.50                 |
| CC146333           |                                   | 0.16                       | 0.004                  | 0.4                    | 1.15                 | 17                     | <10                   | 100                    | <0.5                   | <2                     | 0.14                 | <0.5                   | 12                     | 22                     | 68                     | 2.36                 |
| CC146334           |                                   | 0.18                       | 0.002                  | 0.9                    | 1.52                 | 24                     | <10                   | 130                    | <0.5                   | <2                     | 0.08                 | 0.5                    | 11                     | 29                     | 54                     | 3.27                 |
| CC146335           |                                   | 0.16                       | 0.002                  | 0.4                    | 1.40                 | 19                     | <10                   | 130                    | <0.5                   | <2                     | 0.08                 | <0.5                   | 12                     | 26                     | 79                     | 3.06                 |
| CC146336           |                                   | 0.22                       | 0.007                  | 0.5                    | 1.22                 | 15                     | <10                   | 100                    | <0.5                   | <2                     | 0.14                 | <0.5                   | 9                      | 23                     | 73                     | 2.41                 |
| CC146337           |                                   | 0.22                       | 0.004                  | 0.4                    | 1.62                 | 15                     | <10                   | 130                    | <0.5                   | <2                     | 0.11                 | <0.5                   | 9                      | 27                     | 71                     | 2.81                 |
| CC146338           |                                   | 0.22                       | 0.003                  | 0.8                    | 1.70                 | 21                     | <10                   | 150                    | <0.5                   | <2                     | 0.10                 | <0.5                   | 10                     | 30                     | 53                     | 2.86                 |



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Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11181097**

| 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 |
|--------------------|-----------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| CC146299           |                                   | <10                          | <1                          | 0.03                        | 30                           | 0.69                         | 615                         | 4                           | 0.01                         | 52                          | 1630                        | 20                          | 0.04                        | <2                          | 2                           | 18                          |
| CC146300           |                                   | <10                          | <1                          | 0.02                        | 20                           | 0.34                         | 841                         | 12                          | 0.01                         | 62                          | 1520                        | 12                          | 0.05                        | <2                          | 1                           | 20                          |
| CC146301           |                                   | <10                          | <1                          | 0.04                        | 30                           | 0.37                         | 702                         | 3                           | 0.01                         | 38                          | 870                         | 21                          | 0.03                        | <2                          | 2                           | 26                          |
| CC146302           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.41                         | 331                         | 3                           | 0.01                         | 29                          | 840                         | 11                          | 0.02                        | <2                          | 2                           | 22                          |
| CC146303           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.42                         | 567                         | 1                           | 0.01                         | 33                          | 760                         | 12                          | 0.01                        | <2                          | 2                           | 16                          |
| CC146304           |                                   | 10                           | <1                          | 0.03                        | 10                           | 0.30                         | 326                         | 1                           | 0.01                         | 18                          | 490                         | 13                          | 0.04                        | <2                          | 1                           | 10                          |
| CC146305           |                                   | <10                          | <1                          | 0.02                        | 20                           | 0.57                         | 977                         | 2                           | 0.01                         | 52                          | 820                         | 11                          | 0.01                        | <2                          | 3                           | 15                          |
| CC146306           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.40                         | 578                         | 2                           | 0.01                         | 37                          | 970                         | 16                          | 0.02                        | <2                          | 3                           | 13                          |
| CC146307           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.37                         | 404                         | 1                           | 0.01                         | 26                          | 810                         | 21                          | 0.06                        | <2                          | 1                           | 13                          |
| CC146308           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.23                         | 524                         | 1                           | 0.01                         | 20                          | 720                         | 75                          | 0.02                        | 4                           | 2                           | 12                          |
| CC146309           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.43                         | 456                         | 1                           | 0.01                         | 25                          | 810                         | 24                          | 0.02                        | <2                          | 2                           | 15                          |
| CC146310           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.43                         | 425                         | 3                           | 0.01                         | 28                          | 1120                        | 60                          | 0.03                        | 3                           | 2                           | 19                          |
| CC146311           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.46                         | 387                         | 2                           | 0.01                         | 24                          | 1010                        | 61                          | 0.05                        | 2                           | 2                           | 17                          |
| CC146312           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.37                         | 455                         | 2                           | 0.01                         | 22                          | 830                         | 26                          | 0.02                        | 2                           | 2                           | 13                          |
| CC146313           |                                   | <10                          | <1                          | 0.03                        | 20                           | 0.32                         | 1715                        | 2                           | 0.01                         | 39                          | 1080                        | 25                          | 0.03                        | 2                           | 2                           | 15                          |
| CC146314           |                                   | 10                           | <1                          | 0.04                        | 10                           | 0.69                         | 418                         | 2                           | 0.01                         | 26                          | 1210                        | 28                          | 0.07                        | <2                          | 1                           | 16                          |
| CC146315           |                                   | <10                          | 1                           | 0.05                        | 20                           | 0.49                         | 560                         | 2                           | 0.01                         | 27                          | 1050                        | 59                          | 0.04                        | 6                           | 2                           | 17                          |
| CC146316           |                                   | 10                           | <1                          | 0.04                        | 10                           | 0.46                         | 339                         | 2                           | 0.01                         | 19                          | 910                         | 98                          | 0.05                        | 6                           | 1                           | 17                          |
| CC146317           |                                   | 10                           | <1                          | 0.07                        | 20                           | 0.73                         | 726                         | 1                           | 0.01                         | 19                          | 880                         | 152                         | 0.05                        | 32                          | 3                           | 19                          |
| CC146318           |                                   | 10                           | <1                          | 0.07                        | 20                           | 0.70                         | 622                         | 2                           | 0.01                         | 35                          | 850                         | 18                          | 0.04                        | <2                          | 4                           | 19                          |
| CC146319           |                                   | 10                           | <1                          | 0.07                        | 20                           | 0.42                         | 357                         | 4                           | 0.01                         | 37                          | 1370                        | 56                          | 0.08                        | 2                           | 3                           | 26                          |
| CC146320           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.26                         | 211                         | 3                           | 0.01                         | 17                          | 590                         | 15                          | 0.02                        | <2                          | 1                           | 14                          |
| CC146321           |                                   | 10                           | <1                          | 0.04                        | 20                           | 0.31                         | 310                         | 2                           | 0.01                         | 17                          | 530                         | 19                          | 0.02                        | <2                          | 2                           | 12                          |
| CC146322           |                                   | 10                           | <1                          | 0.06                        | 20                           | 0.47                         | 943                         | 2                           | 0.02                         | 35                          | 1380                        | 18                          | 0.12                        | <2                          | 3                           | 29                          |
| CC146323           |                                   | <10                          | 1                           | 0.04                        | 20                           | 0.60                         | 505                         | 1                           | 0.02                         | 44                          | 1090                        | 9                           | 0.02                        | <2                          | 3                           | 21                          |
| CC146324           |                                   | 10                           | <1                          | 0.03                        | 10                           | 0.64                         | 474                         | 1                           | 0.01                         | 33                          | 540                         | 7                           | 0.03                        | <2                          | 2                           | 13                          |
| CC146325           |                                   | <10                          | <1                          | 0.03                        | 30                           | 0.82                         | 614                         | 1                           | 0.02                         | 72                          | 1460                        | 8                           | 0.04                        | 3                           | 3                           | 17                          |
| CC146326           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.41                         | 299                         | 1                           | 0.01                         | 21                          | 340                         | 14                          | 0.02                        | <2                          | 3                           | 14                          |
| CC146327           |                                   | <10                          | <1                          | 0.02                        | 10                           | 0.19                         | 108                         | 1                           | 0.01                         | 9                           | 410                         | 10                          | 0.02                        | <2                          | 1                           | 8                           |
| CC146328           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.25                         | 267                         | 1                           | 0.01                         | 13                          | 430                         | 19                          | 0.02                        | 2                           | 2                           | 10                          |
| CC146329           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.17                         | 148                         | 1                           | 0.01                         | 9                           | 530                         | 25                          | 0.02                        | 5                           | 1                           | 10                          |
| CC146330           |                                   | <10                          | <1                          | 0.02                        | 10                           | 0.21                         | 233                         | 1                           | 0.01                         | 11                          | 470                         | 38                          | 0.02                        | 3                           | 1                           | 10                          |
| CC146331           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.27                         | 310                         | 1                           | 0.01                         | 17                          | 610                         | 117                         | 0.02                        | 7                           | 1                           | 12                          |
| CC146332           |                                   | <10                          | 1                           | 0.03                        | 10                           | 0.39                         | 319                         | 1                           | 0.01                         | 18                          | 650                         | 62                          | 0.03                        | 3                           | 1                           | 13                          |
| CC146333           |                                   | <10                          | <1                          | 0.03                        | 10                           | 0.42                         | 507                         | 1                           | 0.01                         | 25                          | 680                         | 22                          | 0.02                        | <2                          | 2                           | 13                          |
| CC146334           |                                   | 10                           | <1                          | 0.04                        | 10                           | 0.51                         | 1095                        | 2                           | 0.01                         | 23                          | 750                         | 27                          | 0.05                        | <2                          | 1                           | 15                          |
| CC146335           |                                   | 10                           | <1                          | 0.04                        | 10                           | 0.55                         | 1045                        | 2                           | 0.01                         | 25                          | 750                         | 18                          | 0.04                        | <2                          | 1                           | 13                          |
| CC146336           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.44                         | 528                         | 1                           | 0.01                         | 24                          | 700                         | 17                          | 0.01                        | <2                          | 2                           | 13                          |
| CC146337           |                                   | <10                          | <1                          | 0.04                        | 20                           | 0.52                         | 451                         | 2                           | 0.01                         | 25                          | 740                         | 15                          | 0.02                        | <2                          | 2                           | 12                          |
| CC146338           |                                   | <10                          | <1                          | 0.04                        | 10                           | 0.49                         | 543                         | 2                           | 0.01                         | 21                          | 720                         | 17                          | 0.02                        | <2                          | 3                           | 12                          |



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**CERTIFICATE OF ANALYSIS WH11181097**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                    |                                   | Th        | Ti        | Ti        | U         | V         | W         | Zn        |
|                    |                                   | ppm<br>20 | %<br>0.01 | ppm<br>10 | ppm<br>10 | ppm<br>1  | ppm<br>10 | ppm<br>2  |
| CC146299           |                                   | <20       | 0.01      | <10       | <10       | 27        | <10       | 144       |
| CC146300           |                                   | <20       | 0.01      | <10       | <10       | 19        | <10       | 155       |
| CC146301           |                                   | <20       | 0.02      | <10       | <10       | 26        | <10       | 119       |
| CC146302           |                                   | <20       | 0.03      | <10       | <10       | 28        | <10       | 88        |
| CC146303           |                                   | <20       | 0.03      | <10       | <10       | 30        | <10       | 87        |
| CC146304           |                                   | <20       | 0.04      | <10       | <10       | 51        | <10       | 65        |
| CC146305           |                                   | <20       | 0.04      | <10       | <10       | 40        | <10       | 144       |
| CC146306           |                                   | <20       | 0.04      | <10       | <10       | 33        | <10       | 99        |
| CC146307           |                                   | <20       | 0.02      | <10       | <10       | 33        | <10       | 79        |
| CC146308           |                                   | <20       | 0.02      | <10       | <10       | 24        | <10       | 90        |
| CC146309           |                                   | <20       | 0.05      | <10       | <10       | 40        | <10       | 88        |
| CC146310           |                                   | <20       | 0.04      | <10       | <10       | 47        | <10       | 141       |
| CC146311           |                                   | <20       | 0.04      | <10       | <10       | 49        | <10       | 112       |
| CC146312           |                                   | <20       | 0.04      | <10       | <10       | 43        | <10       | 100       |
| CC146313           |                                   | <20       | 0.03      | <10       | <10       | 44        | <10       | 214       |
| CC146314           |                                   | <20       | 0.02      | <10       | <10       | 75        | <10       | 135       |
| CC146315           |                                   | <20       | 0.04      | <10       | <10       | 53        | <10       | 162       |
| CC146316           |                                   | <20       | 0.03      | <10       | <10       | 53        | <10       | 121       |
| CC146317           |                                   | <20       | 0.05      | <10       | <10       | 38        | <10       | 242       |
| CC146318           |                                   | <20       | 0.05      | <10       | <10       | 76        | <10       | 107       |
| CC146319           |                                   | <20       | 0.03      | <10       | <10       | 64        | <10       | 133       |
| CC146320           |                                   | <20       | 0.04      | <10       | <10       | 39        | <10       | 64        |
| CC146321           |                                   | <20       | 0.04      | <10       | <10       | 51        | <10       | 59        |
| CC146322           |                                   | <20       | 0.04      | <10       | <10       | 63        | <10       | 104       |
| CC146323           |                                   | <20       | 0.08      | <10       | <10       | 56        | <10       | 80        |
| CC146324           |                                   | <20       | 0.10      | <10       | <10       | 70        | <10       | 74        |
| CC146325           |                                   | <20       | 0.06      | <10       | <10       | 49        | <10       | 109       |
| CC146326           |                                   | <20       | 0.04      | <10       | <10       | 41        | <10       | 59        |
| CC146327           |                                   | <20       | 0.04      | <10       | <10       | 27        | <10       | 46        |
| CC146328           |                                   | <20       | 0.03      | <10       | <10       | 29        | <10       | 66        |
| CC146329           |                                   | <20       | 0.03      | <10       | <10       | 27        | <10       | 72        |
| CC146330           |                                   | <20       | 0.03      | <10       | <10       | 27        | <10       | 65        |
| CC146331           |                                   | <20       | 0.03      | <10       | <10       | 26        | <10       | 107       |
| CC146332           |                                   | <20       | 0.03      | <10       | <10       | 33        | <10       | 92        |
| CC146333           |                                   | <20       | 0.04      | <10       | <10       | 35        | <10       | 81        |
| CC146334           |                                   | <20       | 0.04      | <10       | <10       | 50        | <10       | 85        |
| CC146335           |                                   | <20       | 0.03      | <10       | <10       | 43        | <10       | 80        |
| CC146336           |                                   | <20       | 0.04      | <10       | <10       | 34        | <10       | 76        |
| CC146337           |                                   | <20       | 0.04      | <10       | <10       | 42        | <10       | 80        |
| CC146338           |                                   | <20       | 0.04      | <10       | <10       | 48        | <10       | 89        |



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To: ARCHER, CATHRO AND ASSOCIATES (1981)  
 LIMITED  
 1016- 510 W HASTINGS ST  
 VANCOUVER BC V6B 1L8

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 Plus Appendix Pages  
 Finalized Date: 26- OCT- 2011  
 Account: F

Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11181097**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | WEI- 21<br>Recvd Wt.<br>kg | Au- ICP21<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                       | 0.001                  | 0.2                    | 0.01                 | 2                      | 10                    | 10                     | 0.5                    | 2                      | 0.01                 | 0.5                    | 1                      | 1                      | 1                      | 0.01                 |
| CC146339           |                                   | 0.18                       | 0.008                  | 1.0                    | 1.40                 | 61                     | <10                   | 100                    | <0.5                   | <2                     | 0.12                 | 0.6                    | 8                      | 25                     | 53                     | 2.72                 |
| CC146340           |                                   | 0.22                       | 0.005                  | 0.9                    | 1.46                 | 41                     | <10                   | 140                    | <0.5                   | <2                     | 0.10                 | <0.5                   | 10                     | 26                     | 48                     | 2.73                 |
| CC146341           |                                   | 0.16                       | 0.001                  | 1.1                    | 1.30                 | 17                     | <10                   | 150                    | <0.5                   | <2                     | 0.12                 | 0.8                    | 7                      | 23                     | 37                     | 2.36                 |
| CC146342           |                                   | 0.22                       | 0.002                  | 2.1                    | 1.58                 | 21                     | <10                   | 120                    | <0.5                   | <2                     | 0.17                 | 1.2                    | 11                     | 25                     | 35                     | 2.73                 |
| CC146343           |                                   | 0.12                       | 0.003                  | 3.6                    | 1.24                 | 14                     | <10                   | 150                    | <0.5                   | <2                     | 0.20                 | 1.9                    | 6                      | 21                     | 34                     | 2.08                 |
|                    |                                   |                            |                        |                        |                      |                        |                       |                        |                        |                        |                      |                        |                        |                        |                        |                      |



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**VANCOUVER BC V6B 1L8**

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**Account: F**

Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11181097**

| 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  |
| CC146339           |                                   | <10       | <1        | 0.04      | 10        | 0.43      | 486       | 2         | 0.01      | 24        | 820       | 34        | 0.03      | 2         | 2         |
| CC146340           |                                   | <10       | <1        | 0.04      | 20        | 0.45      | 463       | 1         | 0.01      | 22        | 720       | 38        | 0.02      | 2         | 3         |
| CC146341           |                                   | <10       | <1        | 0.04      | 10        | 0.36      | 452       | 2         | 0.01      | 18        | 960       | 21        | 0.06      | 2         | 1         |
| CC146342           |                                   | <10       | <1        | 0.05      | 20        | 0.62      | 670       | 1         | 0.01      | 25        | 1030      | 125       | 0.02      | 3         | 2         |
| CC146343           |                                   | <10       | <1        | 0.05      | 10        | 0.43      | 299       | 1         | 0.01      | 19        | 1510      | 62        | 0.11      | <2        | <1        |
|                    |                                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |



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 Account: F

Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11181097**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 | ME- ICP41 |
|--------------------|-----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                    |                                   | Th        | Ti        | Tl        | U         | V         | W         | Zn        |
|                    |                                   | ppm       | %         | ppm       | ppm       | ppm       | ppm       | ppm       |
|                    |                                   | 20        | 0.01      | 10        | 10        | 1         | 10        | 2         |
| CC146339           |                                   | <20       | 0.04      | <10       | <10       | 38        | <10       | 115       |
| CC146340           |                                   | <20       | 0.04      | <10       | <10       | 41        | <10       | 103       |
| CC146341           |                                   | <20       | 0.03      | <10       | <10       | 43        | <10       | 100       |
| CC146342           |                                   | <20       | 0.05      | <10       | <10       | 37        | <10       | 373       |
| CC146343           |                                   | <20       | 0.01      | <10       | <10       | 33        | <10       | 192       |
|                    |                                   |           |           |           |           |           |           |           |
|                    |                                   |           |           |           |           |           |           |           |
|                    |                                   |           |           |           |           |           |           |           |
|                    |                                   |           |           |           |           |           |           |           |
|                    |                                   |           |           |           |           |           |           |           |
|                    |                                   |           |           |           |           |           |           |           |
|                    |                                   |           |           |           |           |           |           |           |
|                    |                                   |           |           |           |           |           |           |           |
|                    |                                   |           |           |           |           |           |           |           |
|                    |                                   |           |           |           |           |           |           |           |



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Project: Mill City- Gram

**CERTIFICATE OF ANALYSIS WH11181097**

| Method      | CERTIFICATE COMMENTS           |
|-------------|--------------------------------|
| ALL METHODS | NSS is non- sufficient sample. |

Statement of Expenditures  
Gram 1-42 Mineral Claims  
September 7, 2011



Labour

|                                                                      |                 |
|----------------------------------------------------------------------|-----------------|
| R. Drechsler (field assistant) September 3 to 5 – 3 days @ \$680/day | \$ 2,284.80     |
| S. Eaton (geologist) September 3 to 5 – 3 days @ \$680/day           | 2,284.80        |
| A. Mitchell (field assistant) September 3 to 5 – 3 days @ \$496/day  | <u>1,666.56</u> |
|                                                                      | 6,236.16        |

Expense (including management fee)

|                                                  |               |
|--------------------------------------------------|---------------|
| Field room and board – 9 days @ \$125/day        | 1,260.00      |
| Peak Helicopters – 3.1 hrs @ \$1050/hr plus fuel | 4,133.85      |
| ALS Chemex                                       | 7,361.66      |
| Norcan Leasing – 4 days truck rental plus fuel   | <u>448.00</u> |
|                                                  | 13,203.51     |

|       |                    |
|-------|--------------------|
| Total | <u>\$19,439.67</u> |
|-------|--------------------|

| Grant Number | Claim Name | # of Samples | Cost        |
|--------------|------------|--------------|-------------|
| YC52446      | Gram 1     | 21           | \$1,334.10  |
| YC52447      | Gram 2     | 27           | 1,715.27    |
| YC52448      | Gram 3     | 16           | 1,016.45    |
| YC52449      | Gram 4     | 26           | 1,651.74    |
| YC52450      | Gram 5     | 18           | 1,143.51    |
| YC52451      | Gram 6     | 25           | 1,588.21    |
| YC52452      | Gram 7     | 17           | 1,079.98    |
| YC52453      | Gram 8     | 27           | 1,715.27    |
| YC52454      | Gram 9     | 12           | 762.34      |
| YC52455      | Gram 10    | 18           | 1,143.51    |
| YC52456      | Gram 11    | 5            | 317.64      |
| YC52458      | Gram 13    | 2            | 127.06      |
| YC52460      | Gram 15    | 1            | 63.53       |
| YC52462      | Gram 17    | 2            | 127.06      |
| YC68104      | Gram 25    | 4            | 254.11      |
| YC68106      | Gram 27    | 15           | 952.93      |
| YC68107      | Gram 28    | 19           | 1,207.04    |
| YC68109      | Gram 30    | 9            | 571.76      |
| YC68111      | Gram 32    | 9            | 571.76      |
| YC68113      | Gram 34    | 10           | 635.28      |
| YC68115      | Gram 36    | 9            | 571.76      |
| YC68117      | Gram 38    | 9            | 571.76      |
| YC68119      | Gram 40    | 5            | 317.64      |
| <b>Total</b> |            | 306          | \$19,439.67 |