Assessment Report

on the

FRANKLIN PROPERTY

Geology, Geochemistry, Trenching, Diamond Drilling
PART 1 - Text & Appendices

NTS 82E/9

Lat: 49° 33' N Long: 118° 22' W (at centre of property)

Greenwood Mining Division British Columbia, Canada

Operator: Tuxedo Resources Ltd. 817 - 938 Howe St. Vancouver, B.C. V6Z 1N9

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1.0 SUMMARY

In 2001, Tuxedo Resources Ltd. acquired a very large land package covering the Franklin property. A thorough compilation of previous exploration data was completed during 2002, which concluded that the exploration should be directed at gold mineralization and not at platinum group elements. A number of high priority areas were identified that required further work. These areas included three large target areas, the Homestake-Banner, Union Mine and IXL, as well as a number of other smaller targets. Because of budget constraints, it was not possible to thoroughly test all the high priority areas during the 2003 field season. The focus of the 2003 program was to test the Homestake-Banner area, and bring this to a drill ready stage, while at the same time completing a preliminary assessment of the other high priority targets identified in the compilation report.

A grid was established in the Homestake area, and soil sampling, geological mapping and rock sampling was completed. Mapping was able to define a good working model for mineralization that explained the relationship between the numerous zones of mineralization. In general, gold values in rock samples were disappointingly low, and previously reported very high gold values from a number of the showings could not be repeated. While the historically reported gold values are believed to be legitimate, they no doubt represent very selective, picked samples. By this time, the dumps of old workings have become so picked over that it is difficult to find any of this high grade material.

Because of budget constraints, only a portion of the soil samples from the grid were submitted for analysis. One very high single station gold-in-soil value, plus several areas of weakly anomalous gold were identified. The very high single station value could not be reproduced, and was discounted as a lab error. Despite thorough prospecting and rock sampling the Homestake grid area, no new areas of alteration or mineralization were discovered.

An area of anomalous gold-in-soils identified by a previous operator on Mt. Franklin was prospected in detail. The area has good rock exposure with no evidence of alteration or mineralization. The lack of evidence for an source to the gold anomaly has led to the (preliminary) conclusion that the soil anomaly is spurious and perhaps caused by contamination from the sampler or the lab. The 2003 soil samples collected from the Mt. Franklin area were not analysed, because of budget constraints and before the "anomalous" area of gold-in-soils on Mt. Franklin is completely ruled out, these samples should be run to see if the gold values are reproducible. The possibility of Eocene epithermal gold mineralization is of such significance that it would be unwise to be overly hasty in dismissing this target. Eocene epithermal mineralization was discovered elsewhere on the property, but without significant gold values.

Despite the somewhat disappointing results to this point, a number of good trench targets existed, to better expose the zones of known mineralization and to better assess the distribution, continuity and overall gold grade of these zones. An excavator trenching program was completed. In general, the results were disappointing. With the exception of the Banner vein, all of the zones trenched were small, discontinuous, difficult to follow, and returned low overall gold grades.

The Banner vein was the exception. On surface, this is a strong looking system. Although gold grade was low at surface, given the size, extent and similarity in style to the Union vein, it was felt prudent to test for the possibility of a vertical zonation in the gold grade. Eight holes were drilled to test the Banner vein. Drilling showed that the vein pinches out rapidly at depth, with no significant increase in gold grade. The best results from drilling was 4.0 metres grading 2.35 g/t Au, 19.25 g/t Ag, 0.23 % Cu, 0.65% Pb and 3.16% Zn.

Thorough prospecting was carried out on the remainder of the property, to locate, sample and give a

preliminary assessment of all the high priority targets identified by the compilation program. Many of the targets were written off based this work, but two areas, the Union Mine and IXL, remain as high priority targets with good exploration potential. Anomalous gold in pyritic chlorite-epidote-magnetite altered mafic volcanics was identified in the vicinity of Newmont's 1969 trenches (one of which had returned 70 feet grading 0.78% Cu). Values to 4.3 g/t Au, 7.3 ppm Ag and 0.64% Cu were returned from in-situ rock samples from the IXL area, with results to 8.6 g/t Au, 14.2 ppm Ag and 1.6% Cu from a sample of float. When drilling failed to return any encouragement from the Banner vein, the balance of the drill budget was spent drilling one hole in the IXL area. This drill hole returned 18.4 meters grading 1.86 g/t Au. No analyses for copper or silver was done on the 2003 drill core from the IXL. Further exploration of the IXL zone is strongly recommended to explore for bulk tonnage gold-copper mineralization.

Further exploration at the Union Mine is also recommended, to attempt to locate the faulted western extension to the system and to explore for possible parallel mineralized zones. Apart from minor rock sampling for geochemical purposes, no work was done at the Union Mine during 2003.

2.0 INTRODUCTION

This report describes the results of the Tuxedo Resources Ltd.'s 2003 work program on the Franklin property. The general background information included in this report is taken in part from an earlier report on the property by Peatfield (2002).

2.1 Location, Access, Infrastructure and Physiography

The Franklin property is a very large property covering the historic Franklin Camp and is located about 60 kilometres north of Grand Forks, B.C., as shown in Figure 1. The property is situated in the northern part of the Boundary District on NTS 82E/9, and is centred at approximately 49° 33' north latitude and 118° 22' west longitude. Most services needed for exploration are available in Grand Forks. The closest full-service airports are located in Kelowna, Penticton or Castlegar.

Road access to the property is good. The paved Granby road is followed north from Grand Forks for 40 kilometres to the "28 mile" bridge. From this point, the Granby Forest Service road is followed for 1 kilometre before turning right (north) onto the Burrell Creek Forest Service road for an additional 25 kilometres to the eastern edge of the property. The Gloucester, Franklin and Union Mine Forest Services roads plus numerous other 2 and 4 wheel drive gravel roads provide road access to most parts of the claim group from this point, as shown on Figure 2.

The property is centred about Mt. Franklin. A second mountain, Mt. McKinley is located in the southern part of the property. Two major drainages, Burrell and Gloucester Creeks, cut the eastern part of the property, while a third, Franklin Creek, forms a major north-northwest trending valley in the western part of the claims. Much of the property is moderate to very steep, with elevations ranging from about 1430 metres at the summit of Mt. Franklin to about 820 metres in the Burrell Creek valley. The Union Mine area is situated on the lower east facing slope of Mt. Franklin, just west of the Gloucester-Burrell Creek junction. The Homestake-Deadwood-Banner area is located about 1.5 kilometres west of the Union Mine, on the upper, west facing slope of Mt. Franklin, while the IXL area is situated on the west slope of Mt. McKinley, southwest of Franklin Creek.

Much of the property is covered by mixed fir, larch and pine forest, with thick cedar forest common in creek valleys. Several area have been logged at various times, with clearcuts in various stages of regrowth. The upper east facing slope of Mt. Franklin is a steep, rocky slope, essentially void of tree cover, but with very thick, buck brush. Old roads and other areas of disturbance are thickly regrown with alder. Outcrop is typically moderate throughout forested areas, although the upper part of Mt. Franklin has near continuous outcrop. The major creek valleys (Burrell, Gloucester, Franklin) have significant alluvium, with little to no rock exposure.

The climate is typical of the area, with moderately dry, hot summers (although mountain storms are common) and with cold winters and with significant snowfall. Snow accumulation is typically in the order of 2-3 meters, and the property is generally free of snow from late May to late November. Water is available for drilling from the major creeks on the property, and seasonally from intermittent creeks, such as Twin Creek in the Homestake area.

2.2 Property and Ownership

The Franklin property is a very large property, covering an area of approximately 3500 hectares and consisting of 67 two post mineral claims, 5 four post mineral claims (79 units), 2 reverted crown grants and 7 crown granted mineral claims. The property is located on map sheets 082E058, 082E059, 082E068 and 082E069, in the Greenwood Mining District. Tuxedo Resources Ltd. holds the claims comprising the

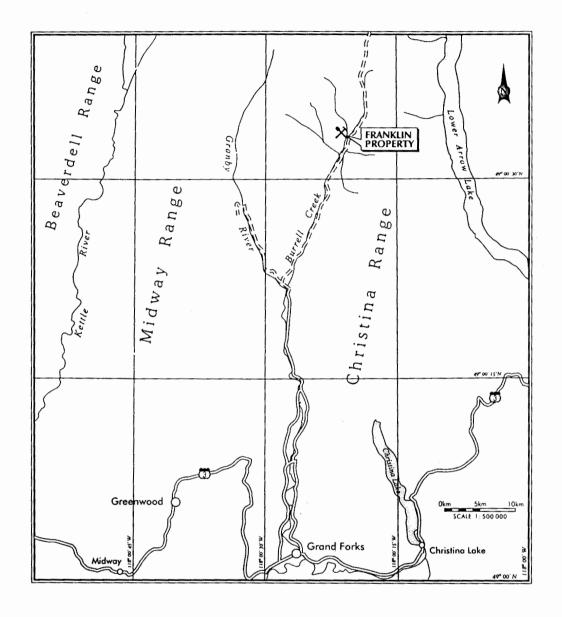


Figure 1: Location Map

Scale 1:500,000 from Peatfield (2002)

Franklin property under option, through seven separate option agreements.

The claims are shown in Figure 2 and summarised below in Table 1. Registered owners of the claims are included in Table 1; expiry dates listed are after filing this report.

| Claim Name | Tenure # | Units | Owner | Expiry Date* |
|------------|----------|-------|--------------|--------------|
| Par 99 | 370045 | 1 | J. Carson | 07-Nov-30 |
| Dodge 99 | 370046 | 1 | J. Carson | 07-Nov-30 |
| IXL #1-99 | 373230 | 1 | J. Carson | 07-Nov-30 |
| IXL #2-99 | 373231 | 1 | J. Carson | 07-Nov-30 |
| Seal 3 | 373423 | 1 | W. Wilkinson | 07-Nov-30 |
| Cat #1 | 383039 | 1 | J. Carson | 07-Nov-30 |
| Cat #2 | 383040 | 1 | J. Carson | 07-Nov-30 |
| Cat #3 | 383041 | 1 | J. Carson | 07-Nov-30 |
| Cat #4 | 383042 | 1 | J. Carson | 07-Nov-30 |
| Buff 1 | 369123 | 1 | W. Wilkinson | 06-Nov-30 |
| Buff 2 | 369124 | 1 | W. Wilkinson | 06-Nov-30 |
| Buff 3 | 369125 | 1 | W. Wilkinson | 06-Nov-30 |
| Buff 4 | 369126 | 1 | W. Wilkinson | 06-Nov-30 |
| Wolf 1 | 369434 | 1 | W. Wilkinson | 06-Nov-30 |
| Wolf 2 | 369435 | 1 | W. Wilkinson | 06-Nov-30 |
| Wolf 3 | 369436 | 1 | W. Wilkinson | 06-Nov-30 |
| Buff 5 | 369440 | 1 | W. Wilkinson | 06-Nov-30 |
| Buff 6 | 369441 | 1 | W. Wilkinson | 06-Nov-30 |
| Buff 7 | 369442 | 1 | W. Wilkinson | 06-Nov-30 |
| Wolf 4 | 369437 | 1 | W. Wilkinson | 06-Nov-30 |
| Wolf 5 | 369438 | 1 | W. Wilkinson | 06-Nov-30 |
| Wolf 6 | 369439 | 1 | W. Wilkinson | 06-Nov-30 |
| Doe 2 | 373066 | 20 | N. Tribe | 06-Nov-30 |
| Buck #1 | 374675 | 12 | J. Carson | 08-Nov-30 |
| Buck #2 | 374676 | 1 | J. Carson | 06-Nov-30 |
| Buck #3 | 374677 | 1 | J. Carson | 06-Nov-30 |
| Buck #4 | 374678 | 1 | J. Carson | 06-Nov-30 |

Table 1: Claim Information

cont....

^{*} Note: dates listed are after filing this report.

| Claim Name | Tenure # | Units | Owner | Expiry Date* |
|-------------|----------|-------|--------------|--------------|
| Buck #5 | 374679 | 1 | J. Carson | 06-Nov-30 |
| Al #1 | 375137 | 1 | J. Carson | 06-Nov-30 |
| Al #2 | 375138 | 1 | J. Carson | 06-Nov-30 |
| Al #3 | 375139 | 1 | J. Carson | 06-Nov-30 |
| Al #4 | 375140 | 1 | J. Carson | 06-Nov-30 |
| Al #5 | 375141 | 1 | J. Carson | 06-Nov-30 |
| Al #6 | 375142 | 1 | J. Carson | 06-Nov-30 |
| Al #7 | 375143 | 1 | J. Carson | 06-Nov-30 |
| Al #8 | 375144 | 1 | J. Carson | 06-Nov-30 |
| Al #9 | 375145 | 1 | J. Carson | 06-Nov-30 |
| Al #10 | 375146 | 1 | J. Carson | 06-Nov-30 |
| Al #11 | 375147 | 1 | J. Carson | 06-Nov-30 |
| Al #12 | 375148 | 1 | J. Carson | 06-Nov-30 |
| Burrell #1 | 383137 | 20 | M. Elson | 06-Nov-30 |
| Burrell #2 | 383138 | 1 | M. Elson | 06-Nov-30 |
| Burrell #3 | 383139 | 1 | M. Elson | 06-Nov-30 |
| Burrell #4 | 383140 | 1 | M. Elson | 06-Nov-30 |
| Burrell #5 | 383141 | 1 | M. Elson | 06-Nov-30 |
| Burrell #6 | 383102 | 1 | M. Elson | 06-Nov-30 |
| Burrell #7 | 383103 | 1 | M. Elson | 06-Nov-30 |
| Burrell #8 | 383104 | 1 | M. Elson | 06-Nov-30 |
| Burrell #9 | 383101 | 12 | M. Elson | 06-Nov-30 |
| Franklin #1 | 383136 | 15 | M. Elson | 06-Nov-30 |
| Franklin #2 | 383172 | 1 | M. Elson | 06-Nov-30 |
| Franklin #3 | 383173 | 1 | M. Elson | 06-Nov-30 |
| Franklin #4 | 383174 | 1 | M. Elson | 06-Nov-30 |
| Franklin #5 | 383175 | 1 | M. Elson | 06-Nov-30 |
| Franklin #6 | 383176 | 1 | M. Elson | 06-Nov-30 |
| Ant 1 | 386475 | 1 | W. Wilkinson | 06-Nov-30 |
| Ant 2 | 386476 | 1 | W. Wilkinson | 06-Nov-30 |

Table 1: Claim Information, cont ...

cont....

^{*} Note: dates listed are after filing this report.

| Claim Name | Tenure # | Units | Owner | Expiry Date* |
|------------------|----------|-------|---------------|--------------|
| Ant 3 | 386477 | 1 | W. Wilkinson | 06-Nov-30 |
| Ant 4 | 386478 | 1 | W. Wilkinson | 06-Nov-30 |
| Ant 5 | 386479 | 1 | W. Wilkinson | 06-Nov-30 |
| Ant 6 | 386480 | 1 | W. Wilkinson | 06-Nov-30 |
| Ant 7 | 386481 | 1 | W. Wilkinson | 06-Nov-30 |
| Ant 8 | 386482 | 1 | W. Wilkinson | 06-Nov-30 |
| Ant 9 | 386483 | 1 | W. Wilkinson | 06-Nov-30 |
| Ant 10 | 386484 | 1 | W. Wilkinson | 06-Nov-30 |
| Ant 11 | 386485 | 1 | W. Wilkinson | 06-Nov-30 |
| Ant 12 | 387657 | 1 | W. Wilkinson | 06-Nov-30 |
| Ant 13 | 387658 | 1 | W. Wilkinson | 06-Nov-30 |
| Ab 1 | 214183 | 1 | J. Crellin | 08-Nov-30 |
| Ab 2 | 214184 | 1 | J. Crellin | 08-Nov-30 |
| Ab 3 | 214185 | 1 | J. Crellin | 08-Nov-30 |
| Ab 4 | 214186 | 1 | J. Crellin | 08-Nov-30 |
| Buffalo | 214310 | 1 | J. Crellin | 08-Nov-30 |
| Alpha | 214604 | 1 | J. Crellin | 13-Nov-30 |
| Homestake CG | L 589s | | c/o J. Carson | |
| Deadwood CG | L 590s | | c/o J. Carson | |
| Aldie CG | L 3239 | | c/o J. Carson | |
| Union CG | L 1022s | | J. Carson | |
| Paper Dollar Fr. | L 1677s | | J. Carson | |
| Union Fr. | L 1678s | | J. Carson | |
| Idaho Fr. | L 1679s | | J. Carson | |

Table 1: Claim Information, cont ...

^{*} Note: dates listed are after filing this report.

2.3 History of Exploration

The Franklin property is situated within the northern portion of the Boundary District, an area with a long history of exploration and mining activity. Excellent historical accounts for the district are provided by Caron (2003), Peatfield (1978) and others and the reader is referred to these sources for a more thorough discussion of the regional exploration history. The following discussion pertains only to the exploration history of the Franklin Camp.

The first claims located in the area were the Banner and McKinley, in 1896. A very large number of other claims were staked within the next decade, covering most, if not all, the known areas of mineralization on the current Franklin property. Many of the claims were subsequently crown granted and a number of these crown grants remain in good standing today. Numerous prospect pits, shallow shafts and short adits were completed in the later part of the 19th century and early part of the 20th century. This work was directed at a number of different styles of mineralization, including quartz veins and silicified zones with gold and silver, massive chalcopyrite in shear zones associated with pyroxenite ("Black lead type"), and replacement type (?) lead-zinc mineralization associated with limestone. More details of the geology and style of mineralization of the main significant showings are given in Section 3 of this report and in Peatfield (2002).

The extent of the early exploration activity on the area is reflected in both the number old workings and in the number of Minfile occurrences located on the property. Some 23 such Minfile occurrences are shown on Figure 3, and referenced in Section 9. It is beyond the scope of this report to give a detailed history of exploration for each of these occurrences. The following summarises the highlights of the exploration and development history for the camp. Additional details are available in various Annual Reports of the BC Minister of Mines, and in numerous other references listed below, and/or included in Section 9 of the report.

Drysdale (1915) spent the summer of 1911 in the Franklin Camp, visiting many of the mineral properties and completing regional geological mapping for the Geological Survey of Canada. His report, published as GSC Memoir 56, remains one of the few comprehensive reports of the Franklin Camp and describes the early exploration and development history of the camp. This early work was hampered by the lack of infrastructure, and in 1900 a government trail was cut from Grand Forks to the Franklin Camp. In 1906, considerable work was done in the camp, including surveying the Gloucester City townsite, near the junction of Burrell and Gloucester Creeks. By 1908 the trail from Grand Forks had been upgraded to a wagon road and work continued on a number of properties, including the Maple Leaf, Banner, Gloucester and McKinley.

In 1914, Larsen and Verrill visited the camp on behalf of the BC Bureau of Mines and published a thorough review of work to this point, including a claim map for the camp. The main properties active at the time were the Union, McKinley and the Banner. Their report gives a good account of the camp at this time, and is available in the 1914 BC Minister of Mines Annual Report. Larsen and Verrill concluded that, "the high cost of transportation is practically prohibitive to the development and working of the large mineral resources indicated in this district." Despite this, the Union Mine was producing at a rate of 30 to 40 tons per day, but the ore had to be hauled by wagon to the end of the rail at Lynch Creek, and from there by rail to the Granby Smelter in Grand Forks, at high cost.

By 1918, the Imperial Munitions Board in London indicated a shortage in the supply of platinum needed for the war, and initiated an examination and evalutation of a number of properties in Canada, including the Franklin Camp (Thomlinson, 1920). One sample collected by Tomlinson from the Maple Leaf area returned 0.17 oz/t Pt and started a period of exploration on the property for PGE's that has lasted through to the present.

There was no significant work done in the camp until 1927, when the Union Mine was bonded to Hecla

Mining Company. Considerable exploration and development was done by Hecla during 1928 and 1929, including construction of a 145 tonne per day flotation mill. The mill was later upgraded to include Wifley tables to recover free-milling gold. Production began in 1930 and continued through to 1933. At this point, a cyanide plant was constructed to treat the tailings from the earlier milling operation, and from 1934-36 the tailings were reprocessed and a small amount of additional mining was done. Hecla also completed exploration at the Homestake Mine during this period, including diamond drilling (11 holes) and mapping and sampling underground workings (Pike, 1935; Minfile 082ENE003).

After the Hecla era, there was little work done in the camp until the 1960's, apart from small scale leasemining by W.E. McArthur on the Union, McKinley and Homestake properties. In the 1960's Franklin Mines Ltd. assembled a large land position that covered much of the present Franklin property. Considerable exploration was done, including cat trenching, geophysics, geochemistry and diamond drilling (2 holes at the Maple Leaf showing). This work was directed primarily at the PGE potential of the property, as detailed by Chilcott (1965) and by Chilcott and Lisle (1965).

Newmont Mines Ltd. was also actively exploring the camp during 1968 and 1969. Geological mapping and rock chip sampling was done in the Banner-Homestake area, as well as small scale geophysical and/or soil geochemical surveys in the McKinley, Banner, IXL and Union mine areas. A major trenching program was completed in the IXL area in 1969 to test for porphyry type copper mineralization. One trench returned a 70 foot interval grading 0.78% Cu and a second interval of 80 feet averaging 0.33% Cu. Newmont then drilled 3 diamond drill holes to test the IXL target (Norman, 1968, 1969). Boundary Exploration completed a small drill program (3 holes) near the Banner shaft the same year (Kermeen, 1969.)

Pearl Resources acquired the Union Mine in 1979 and over the next few years completed a thorough compilation of previous work, as well as considerable exploration. Underground workings were rehabilitated, surface mapping, rock and soil geochemistry was done and 5 surface diamond drill holes were drilled in an attempt to locate the western faulted extension of the Union vein, without success (Lisle, 1979, 1980a, 1980b; Lisle and Seraphim, 1980). Further work was done in 1984, including 19 underground diamond drill holes (1076 metres) and 34 underground percussion holes, totalling 397 metres (Drown, 1985).

In 1985, 24K Mining Inc. optioned the Union Mine property from Pearl Resources. The following year, 24K Mining Inc. merged with Summit Ventures Inc. to form Sumac Ventures Inc. Sumac constructed a cyanide heap leach facility to reprocess the Union Mine tailings, however a breach in the liner pad caused serious problems for the company. These problems were more of a political nature, the actual environmental problem being quite minor, but regardless, they resulted in the project being closed in 1989. No further work has been done at the Union Mine since this time. Total production to date from the Union Mine, excluding the processing of tailings by Hecla during the 1930's and by Sumac Ventures in the 1980's, amounts to 122,555 tonnes at an average grade of 14.1 g/t Au and 353.4 g/t Ag.

At the same time that Pearl Resources/Sumac Ventures were actively working the Union Mine, Longreach Resources had assembled a large land package over the northern part of the present Franklin property and were exploring their claims for PGE's. Longreach did considerable work during 1986, including drilling 32 diamond drill holes at the Maple Leaf, Averill, Evening Star, Buffalo and DAJG showings (Clark, 1987a, 1987b, 1987b). Placer Done Inc. optioned the property from Longreach in 1987 and completed a very thorough field program during 1987, including a wide spread soil geochemical survey, significant rock sampling, as well as geological mapping. Placer also drilled 10 diamond drill holes at the Averill, Laura, Jimmy, Maple Leaf and Union showings (Pinsent and Cannon, 1988). Placer's interest in the property was originally because for the PGE potential of the area (the project was known as the Platinum Blonde project). By late in 1987, the focus of work had shifted to "Union Mine" type targets. An internal Placer memo (now

part of the BC Ministry and Mines "Placer Dome Files") states that "Our work to date indicates that the greatest potential for a high-grade Au, Ag deposit of the Union Mine type lies in the interconnected silicified faults which outcrop on the Homestake and Deadwood claims". These claims did not, however, form part of Placer's land package. Financial disputes with Longreach, combined with Placer's inability to obtain title to what they considered the key claims, caused Placer to abandon the property in 1989.

Concurrent with Placer's work in the camp, Myra Keep completed a study of the geology and petrology of the Averill plutonic rocks as the basis for a M.Sc. thesis at the University of British Columbia (Keep, 1989; Keep and Russell, 1987, 1989, 1992). This most important outcome of Keep's work was the evidence for a Jurassic age for the Averill suite. All previous workers had assumed these rocks to be a part of the Eocene Coryell suite (as originally suggested by Drysdale, 1915).

In the early-mid 1990's work was ongoing in two parts of the property. Canamax Resources Inc. optioned the IXL claims in 1991 and completed an airborne geophysical survey, soil and rock chip sampling, as well as geological mapping (Harris, 1991; Johnson, 1991). Sway Resources carried out a significant amount of drilling in the Deadwood-Homestake-Banner areas during 1993 and 1994, including some 29(?) diamond drill holes and 14(?) percussion holes. This work is very poorly documented, but covered in part by Miller (1993, 1995), by several page sized sketches and notes, and by various company news releases from this era. During 1994, Sway also drilled 8 holes at the IXL showing. These holes are similarly poorly documented. Serious analytical errors were made by the lab in samples from first of the 1994 IXL drill holes, and subsequent legal action was successfully launched by Sway Resources, but the outcome was still that no additional financing could be completed to allow work to continue on the property.

No further exploration, apart from minor assessment work programs to keep some of the claims in good standing, was completed on the Franklin property until it was acquired as a listing property by Tuxedo Resources Ltd. in 2001. Tuxedo assembled a very large land package, by way of 7 separate option agreements. An airborne geophysical survey was completed over the property as a partial fulfilment of the listing requirements (Smith, 2001). Following this, a Technical Report on the property was prepared by Peatfield (2002). One of the recommendations of Peatfield's report was that a thorough compilation of all previous exploration results on the property should be completed. This compilation was undertaken during 2002, numerous exploration targets were identified, and recommendations were made for a follow-up work program (Caron, 2002). During 2003, the work program recommended in the compilation report was carried out, as detailed in the current report.

2.4 Summary of Work Program (May - November 2003)

The 2003 exploration program on the Franklin property was funded by Tuxedo Resources Ltd. and managed by Mike Elson of Northern Natural Resource Services. Fieldwork began on May 3, 2003 and continued through to Oct 16, 2003, with reporting done subsequently. The project was shut down, due to forest fire closures, from Aug 19 - Sept 21, 2003.

A total of 40 line kilometres of flag and picket grid was established in the Homestake area from May 3-20, 2003. Grid work was completed by John Boutwell, Scott Hodges and Roger Pugh. Timothy Young assisted with baseline placement.

Soil samples were collected from the Homestake grid, from May 14 - 20, 2003. Sampling was done by John Boutwell, Scott Hodges, Roger Pugh, Lee-Anne Ennes and Alfreda Elden. Due to budget constraints, only a fraction of the total number of samples collected was submitted for analysis. The remainder of the samples have been dried and placed in storage at Jack Carson's Brown Creek residence north of Grand Forks for analysis at a later date if needed. Several duplicate soil samples were later collected by John Boutwell to check a very high single station gold anomaly within the Homestake grid. Contour soil samples were also collected from the Iron Cap area, by Alfreda Elden.

Geological mapping of the Homestake grid was completed by Linda Caron from May 5 - June 6, 2003 and a number of rock samples were collected during the course of geological mapping. John Boutwell carried out detailed prospecting (and accompanying rock sampling) of the Homestake grid area, as well as prospecting and sampling all of the high priority targets elsewhere on the property, which had been identified by the 2002 compilation report. Prospecting was ongoing from May 21-July 1 and from July 15-Aug 18, 2003. A total of 288 rock samples were collected from the property during 2003.

A sample of vein material from the Homestake shaft dump was collected by Murray McLaren and submitted to the University of British Columbia for lead isotope analysis.

Trenching was completed from July 2-14 2003, to follow-up on targets in the Homestake grid area. A total of 364 lineal metres of trenching was done in 15 trenches, using a Hitachi EX 60 excavator owned and operated by Impact Equipment of Trail, B.C. The caved portal to the Banner adit was re-excavated during the trenching program, to allow access to the underground workings for examination of the vein.

Trench layout, mapping and sample layout was done by Linda Caron. John Boutwell and Alfreda Elden assisted with trench mucking. Trench samples were collected by John Boutwell. All trenches have been backfilled, using a D6 cat owned and operated by Guy Delorme. Any timber disturbed as a result of the trenching or drilling program was bucked and scattered by John Boutwell.

Drilling was done between Sept 22 - Oct 16, 2003. Nine NQ holes, totalling 490.6 metres were drilled by Guy Delorme of Merritt, B.C. Water for drilling was hauled from Burrell Creek using a 200 gallon water truck owned and operated by Impact Equipment of Trail, B.C. Drill hole location, core logging and drill supervision was by Linda Caron (Sept 22-30) and by Jim Kermeen (Oct 1-16). John Boutwell provided assistance and completed core splitting and sampling. All drill sites and access roads have been reclaimed. Core is stored at Jack Carson's Brown Creek residence.

Soil, rock, trench and drill core samples were shipped to Acme Analytical Labs in Vancouver for preparation and analysis. All samples were routinely analysed for 36 elements (including gold) by ICP/ES & MS (Acme method 1F, 1DX). Overlimit samples were assayed for gold, silver, copper, lead or zinc. The exception was in the latter part of the drill program, when samples were submitted directly for Au assay, with no multi-element analyses completed.

From June 1 to August 18, 2003, crews operated from a base camp on Burrell Creek in the eastern part of the property. The exception to this was geologist, Linda Caron, a resident of Grand Forks and who travelled to and from home daily. During the grid and soil sampling component of the program (in May, 2003) and during the drill program (Sept 22-Oct 16), crews were lodged in motels in Grand Forks, B.C. and travelled to and from the property daily.

The total expenditure on the property during 2003 was \$185,000.00, as detailed in the cost statement included in Appendix 10. In total, the following was completed on the Franklin property during 2003:

40 line kilometres of flag/picket grid
1530 soil samples (collected)
292 soil samples (analysed)
288 rock samples collected and analysed
1 Pb isotope analysis (galena)
111 trench samples collected and analysed
110 drill core samples collected and analysed
364 lineal metres of trenching (in 15 trenches)
9 NQ diamond drill holes (totalling 490.6 metres)

3.0 GEOLOGY

3.1 Regional Geology, Structure and Metallogeny

The Franklin property is situated within the Boundary District of southern British Columbia and northern Washington State. The following discussion of the geological setting and metallogeny of the Boundary District is taken largely from an earlier report by the same author (Caron, 2003).

The Boundary District straddles the Canada-USA border and includes the Republic, Belcher, Rossland and Greenwood Mining Camps. It is a highly mineralized district with total contained gold (produced + known reserves) exceeding 10 million ounces. Within the Boundary District, the majority of gold production is from the Republic and Rossland areas. At Republic, an excess of 2.5 million ounces of gold, at an average grade of better than 17 g/t Au, has been produced from Eocene epithermal veins. In the Rossland Camp, almost 3 million ounces of gold averaging 16 g/t Au was mined from massive pyrrhotite-pyrite-chalcopyrite veins associated with a Jurassic intrusive.

Portions of the Boundary District have been mapped on a regional basis by numerous people, including Fyles (1990), Little (1957, 1961), Drysdale (1915) and Cheney and Rasmussen (1996). While different formational names have been used within different parts of the district, the geological setting is similar.

The Boundary District is situated within Quesnellia, a terrane which accreted to North America during the mid-Jurassic. The oldest of the accreted rocks in the district are late Paleozoic volcanics and sediments. In the southern and central parts of the district, these rocks are separated into the Knob Hill and overlying Attwood Groups. Rocks of the Knob Hill Group are of dominantly volcanic affinity, and consist mainly of chert, greenstone and related intrusives, and serpentinite. The serpentinite bodies of the Knob Hill Group represent part of a disrupted ophiolite suite which have since been structurally emplaced along later structures. Unconformably overlying the Knob Hill rocks are sediments and volcanics (largely argillite, siltstone, limestone and andesite) of the late Paleozoic Attwood Group.

The Paleozoic rocks are unconformably overlain by the Triassic Brooklyn Formation, represented largely by limestone, clastic sediments and pyroclastics. Both the skarn deposits and the gold-bearing volcanogenic magnetite-sulfide deposits in the district are hosted within the Triassic rocks. Volcanic rocks overlie the limestone and clastic sediments of the Brooklyn Formation and may be part of the Brooklyn Formation, or may belong to the younger Jurassic Rossland Group. In the western part of the district, the Permo-Triassic rocks are undifferentiated and grouped together as the Anarchist Group, while in the Franklin Camp these rocks are referred to as the Franklin Group.

At least four separate intrusive events are known regionally to cut the above sequence, including the Jurassic aged alkalic intrusives (i.e. Lexington porphyry, Rossland monzonite, Sappho alkalic complex, Averill alkalic complex), microdiorite related to the Brooklyn/Franklin Group greenstones, Cretaceous-Jurassic Nelson intrusives, and Eocene Coryell (and Scatter Creek) dykes and stocks.

Eocene sediments and volcanics unconformably overlie the older rocks with the distribution of these Tertiary rocks largely controlled by a series of faults. The oldest of the Tertiary rocks are arkosic and tuffaceous sediments of the Eocene Kettle River Formation. These sediments are overlain by andesitic to trachytic Eocene Marron, which are in turn unconformably overlain by lahars and volcanics of the Eocene Klondike Mountain Formation. Epithermal gold mineralization, related to Eocene structural activity, has been an important source of gold in the district.

The important gold deposits within the district can be broadly classified into six deposit types, including gold and copper-gold skarns, mesothermal gold veins, epithermal gold veins, Jurassic alkalic intrusives with

Cu, Au, Ag +/- PGE mineralization, gold mineralization associated with serpentine (or listwanite), and gold-bearing volcanogenic magnetite-sulfide deposits. Details of the different styles of gold mineralization are given in Caron (2003) and will not be repeated here.

3.2 Property Geology and Mineralization

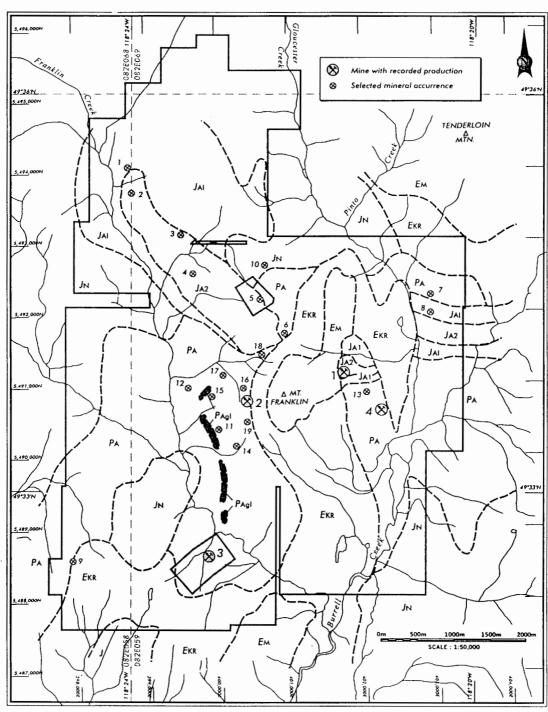
The Franklin property covers an inlier of Paleozoic volcanic and sedimentary rocks, surrounded by Mesozoic and Tertiary plutonic rocks. Locally the Paleozoic rocks are overlain by Tertiary sediments and volcanics and intruded by small intrusive bodies of various ages. Figure 3 is a simplified geology map of the property, taken from Peatfield (2002).

High-grade metamorphic rocks, part of the Grand Forks metamorphic complex, occur to the east and slightly south of the property. A major north trending normal fault, the Granby Fault, separates the gneisses from the younger rocks to the west. This fault forms the eastern boundary to the Republic graben in Washington State and can be traced for over 100 kilometres northwards to the Franklin property, where it follows Burrell Creek.

The oldest rocks exposed on the property are the Franklin Group volcanics and sediments. No fossil or istopic dating has been done to explicitly define the age of these rocks, however there is a remarkable similarity between the Franklin Group and the Triassic Brooklyn Formation in the Greenwood-Grand Forks area and in the Belcher District of Washington State. Both the Franklin Group and the Brooklyn Formation contain similar lithological and stratigraphic sequences, including argillite, conglomerate, chert, tuffaceous siltstone, limestone and greenstone. Furthermore, both the Franklin Group and the Brooklyn Formation contain a very distinctive chert pebble conglomerate (referred to as "sharpstone conglomerate" in the Greenwood area) and both contain an unusual looking limestone cobble conglomerate (known in the Grand Forks area as "puddingstone"). Given these similarities, it seems very likely that the Franklin Group is correlative with the Brooklyn Formation. This correlation is significant because of the presence of stratabound volcanogenic mineralization within the Brooklyn Formation, which may also occur within the Franklin Group. Further details of the lithologies within the Franklin Group are given in the discussion of the geology of the Homestake Grid, in Section 3.3 of this report and in Pinsent and Cannon (1988). The Franklin Group rocks are intruded by several types of plutonic rocks, including granodiorite and diorite of the Jurassic-Cretaceous Nelson Plutonic complex, alkalic intrusives of the Jurassic Averill complex, and syenite and lamprophyre dykes and stocks of the Eocene Coryell suite. The most important of these intrusives, from a metallogenic point of view, are the alkalic rocks of the Averill suite, described below:

The Averill plutonic complex ... comprises pyroxenite, monzogabbro, monzonite and syenite phases and two compositionally distinct sets of late dikes. The intrusion is concentrically zoned, with pyroxenite at the centre, grading outwards through monzogabbro and monzodiorite, to monzonite at the perimeter. Trachytic syenite occurs along the axis of the pluton as a coarse-grained core and a fine-grained marginal phase. It is mineralogically distinct and is characterized by a prominent alignment of K0-feldspar megacrysts. This alignment does not demonstrably relate to the contacts. This may reflect poor sampling due to lack of exposure or a complicated actual pattern. The syenite intrudes the pyroxenite and monzogabbro, and the mafic phases are brecciated along the margin of the syenite. (Keep and Russell, 1992)

Drysdale (1915) first suggested an Eocene age to the Averill rocks and this notion persisted through to Keep's work in the late 1980's (despite the fact that clasts of various phases of the Averill suite occur within the basal conglomerate of the Eocene). A K-Ar age date on the Averill suite of 150 +/- 5 Ma now places these rocks as Jurassic (Keep and Russell, 1992).



Notes: Geology modified after Drysdale (1915); Pinsent and Cannon (1988). For key to geologic units, and names of mines and mineral occurrences, see next page.

Figure 3: Property Geology Map

Scale 1:50,000

from Peatfield (2002)

Legend to Accompany Figure 3

Table of Geologic Units:

| Ем | Eocene Marron Formation | alkalic volcanic flows. |
|------|-----------------------------------|---|
| EKR | Eocene Kettle River Formation | continental clastic sediments, rhyolitic flows and tuffs. |
| JA2 | Jurassic Averill Plutonic Complex | mafic syenite, pyroxenite. |
| Ja1 | Jurassic Averill Plutonic Complex | syenite, monzonite, gabbro. |
| Jn | Jurassic Nelson Plutonic Suite | dominantly granodiorite. |
| PA | Paleozoic Anarchist Group | greenstone, altered tuff, silicified argillite. |
| Pagl | Paleozoic "Gloucester Formation" | marble |

List of Mines with Recorded Production:

| 1 | Maple Leafsmall tonnage; copper, gold, silver; PGE's not paid for. |
|---|---|
| 2 | Homestakesmall tonnage; gold, silver, traces lead and zinc (but see note, page 14). |
| 3 | McKinleysmall tonnage; gold, silver, lead, zinc; copper not paid for. |

4 Union......gold, silver; about 55,500 troy ounces gold, 1.4 million troy ounces silver.

List of Selected Mineral Occurrences:

| 1 | Columbia (060) ¹ | PGE's with copper |
|----|-----------------------------|--|
| 2 | Ottawa (061) | |
| 3 | Buffalo (008) | PGE's with copper |
| 4 | Averill (007) | PGE's with copper |
| 5 | Mountain Lion (055) | PGE's with copper |
| 6 | Golden Age (053) | PGE's with copper |
| 7 | White Bear (056) | PGE's with copper |
| 8 | Lucky Jack (056) | PGE's with copper |
| 9 | IXL (033) | lead-zinc skarn, porphyry copper. |
| 10 | Glou[ce]ster (005) | quartz veins; gold, silver, base metals. |
| 11 | Banner (002) | quartz veins; gold, silver, base metals. |
| 12 | Jimmy (042) | quartz veins, limestone replacements; silver, base metals. |
| 13 | Beaver (080) | volcanic rocks with pyrite, chalcopyrite. |
| 14 | Bullion (013) | quartz veins; gold, silver, base metals. |
| 15 | Aldie (050) | quartz veins, limestone replacements; silver, base metals. |
| 16 | Deadwood (063) | quartz veins; gold, silver, base metals. |
| 17 | Violet Fraction (020) | quartz veins; gold, silver, base metals. |
| 18 | Alpha (052) | poly-metallic; details lacking. |
| 19 | Laura (066) | quartz veins; gold, silver, trace base metals, arsenic. |

¹ Minfile number – complete number format is 082ENExxx.

from Peatfield (2002)

Clastic sediments of the Eocene Kettle River Formation unconformably overly the older rocks. These rocks include arkosic sediments, conglomerates, and water-lain tuffs, as well as some rhyolite flows, as described by Drysdale (1915). The Eocene sediments are overlain by trachytic flows of the Eocene Marron Formation. These volcanics form the highest points on the property, on Mt. Franklin and Mt. McKinley.

Mineralization on the property can broadly be classified into 4 main styles, as listed below. Much of the previous exploration on the property had focussed on the "Black lead" type Cu-PGE zones. A compilation of previous exploration results was carried out during 2002, from which it was concluded that the property has far more potential for gold and/or base metal mineralization that it does for PGE"s. Previous exploration has shown that PGE values in soils, rocks and in drill core, are very scattered and that zones with PGE (+Cu) mineralization are small and discontinuous. Further exploration directed specifically at PGE's was not recommended (Caron, 2002).

Union Mine type veins/silicified zones

The Union Mine is the premier example of this style of mineralization on the Franklin property. A total of 122,555 tonnes at an average grade of 14.1 g/t Au and 353.4 g/t Ag was produced from the Union Mine. Rather than being a planar vein with sharp contacts, the Union vein is a broad silicified zone with assay walls. The mineralized zone, which trends at $080^{\circ}/90^{\circ}$, is hosted within greenstone and silicified calcareous sediments of the Franklin Group. The sulfide content within the quartz/silicified zone is generally less than 5%, with sulfides consisting of pyrite, galena, sphalerite and minor chalcopyrite. Higher gold values are typically associated with higher sulfide content, although free gold (with spectacular gold values) occurs locally. The Union vein has a geochemical signature of Au:Ag:Cu:Pb:Zn:Hg:Se:Te. Much of the mineralization in the Homestake Grid area belongs to this style of mineralization. These showings are discussed in more detail in the Section 3.3 of this report.

The age of mineralization is unknown, however the Union vein is cut off on the west by a fault which places unmineralized Eocene sediments and overlying volcanics in contact with the vein. Similarly in the Homestake/Laura/North Homestake area, where Eocene rocks lie unconformably on the older rocks but without any fault present along the unconformity, the mineralization cannot be traced into the Eocene rocks. This would suggest that mineralization is pre-Eocene. Lead isotope analysis on galena was done on a sample from the Homestake mine during 2003 (see Appendix 9) that suggests a Jurassic age to the mineralization. These veins may in fact be epithermal veins, as suggested by some previous workers (Peatfield, 2002; Pinsent and Cannon, 1988), however it would appear that they represent an older epithermal event and are not part of the Eocene epithermal event, such as occurs in the Republic area of Washington State.

Black Lead type Cu-PGE zones

Considerable previous exploration on the property has been directed at the "Black Lead" type zones. These zones are poddy, shear hosted zones of massive chalcopyrite (+ lesser pyrite, pyrrhotite and other sulfides) with erratic platinum and palladium values. They are associated most commonly with the pyroxenite phase of the Averill plutonic complex, but also occur in syenite phases and along contacts with the syenite and various dykes. Examples include the Maple Leaf, Buffalo, Averill, Alpha, Ottawa-Evening Star.

Contact Metamorphic (Skarn) zones

The McKinley (not part of the Franklin property) is the best example of this style of mineralization. It appears to be a classic skarn zone along the Franklin Group limestone contact. Mineralization consists of massive pyrite-calcopyrite, pods and disseminations of galena-sphalerite and massive zones of magnetite-pyrite. Mineralization is quite restricted and only a small tonnage was produced from the McKinley in 1949. Surface and underground exploration, including diamond drilling, failed to find any additional areas

of mineralization. The Glouchester, in the north-central part of the Franklin property, is another example of a magnetite skarn.

IXL type

The IXL zone, located near the southwest corner of the Franklin property is a belt of intense silicification and disseminated sulfide mineralization spatially associated with a limestone contact within Franklin Group rocks. Medium-grained porphyritic dikes of perhaps dacite composition intrude the Franklin sequence and probably make up a large percentage of the rock mass in the most intensely silicified portion of the belt. In 1969, Newmont carried out an extensive program of deep trenching to test for porphyry style disseminated copper mineralization in this area. Trench sampling indicated 70 feet grading 0.78% copper and elevated gold in the central part of the zone. Three diamond drill holes were then drilled to test the zone. During the current program, rock sampling uphill and east of the copper zone in the trench suggested a significant area of anomalous gold in pyritic (+/- chalcopyrite) chlorite-epidote-magnetite altered Franklin Group volcanics. Values to 4.3 g/t Au, 7.3 ppm Ag and 0.64% Cu were returned from rock samples from this area, with results to 8.6 g/t Au, 14.2 ppm Ag and 1.6% Cu from float in IXL creek to the south. One hole was drilled to test this area during 2003 and returned 18.4 metres grading 1.86 g/t Au from the interval of altered volcanics (no copper or silver analyses done). The nature of mineralization at the IXL remains unresolved. Possible models that should be considered for mineralization include mafic volcanic hosted skarn mineralization or alkalic copper-gold porphyry type mineralization.

One further point is worth noting in the discussion concerning styles of mineralization. The possibility that Lamefoot style volcanogenic mineralization exists on the property should be recognized. This is a relatively newly identified type of mineralization in the district, described as "gold bearing, magnetite-pyrrhotite-pyrite syngenetic, volcanogenic mineralization". A number of deposits of this type have been discovered in the Belcher District in Washington State, just south of Grand Forks. Mineralization of this style also occurs north of the border in the Greenwood area. The largest of the known deposits was the Lamefoot deposit (2 million tonnes @ 7 g/t Au - now mined out). The known massive sulfide-oxide deposits all occur at the same stratigraphic horizon within the Triassic Brooklyn Formation, with a stratigraphic footwall of felsic volcaniclastics (the top of the "sharpstone" unit) and with a massive limestone hangingwall. Base metal VMS type mineralization occurs along this same horizon. Auriferous quartz-sulfide and sulfide veinlets occur in the footwall of the Lamefoot-type deposits, and at least part of the gold mineralization is attributed to a late stage epigenetic event. A later skarn event may cause remobilization of earlier syngenetic mineralization along the Lamefoot horizon.

On the Franklin property, much of the known mineralization is hosted within rocks of the Franklin Group and much of this mineralization occurs on or close to a common stratigraphic horizon. As discussed above, there are remarkable similarities between the Franklin Group rocks and the rocks of Triassic Brooklyn Formation as seen both in the Greenwood area and in the Belcher District of Washington State. There is a good argument to suggest that the Franklin Group is equivalent to the Brooklyn Formation, and thus that has potential to host Lamefoot-type mineralization. To date, no definitive examples of this style of mineralization have been identified on the property.

3.3 Homestake Grid Geology

During the current program detailed geological mapping was undertaken in the Homestake Grid area, as shown on Figure 4. Geological mapping was completed by L. Caron between May 5 and June 6, 2003, using grid lines for control. The grid covers the very steep west facing slope of Mt. Franklin, as well as the summit of the mountain and the upper north and east facing slopes. Locally there are cliffs that are impassable and grid lines had to be broken and restarted above the cliffs. Several very deep creek gullies with considerable downfall also posed challenges in grid placement. Grid lines were spaced at 50 metre intervals, with stations marked every 25 metres. Considerable inaccuracy exists in the grid placement, due in part to the rugged topography. Original plans were to accurately locate grid lines and stations, and to create a topographic base for the grid, using differentially corrected GPS. Budget constraints later in the program prevented this work from being completed. The reader should be aware that Figure 4, and other figures showing the Homestake grid, depict an idealized grid. Some inaccuracies will exist in the geological picture as a result of mapping to the idealized grid, however these should not significantly change the overall geological picture.

The grid covers a complex sequence of Franklin group sediments and volcanics. As shown on Figure 4, geological units include:

- black aphanitic argillite and argillaceous siltstone (unit Fa)
- fine to medium grained pebble conglomerate, which can be a dominantly chert pebble conglomerate (sharpstone conglomerate) or it can be a polymictic conglomerate (unit Fcg)
 - chert and cherty tuffaceous siltstone (unit Fc)
 - fine grained tuffaceous sandstone-siltstone, locally calcareous (unit Fs)
 - massive grey-white limestone and limestone breccia (unit Fl)
 - aphanitic greenstone, locally calcareous (unit Fv)

Very commonly, contacts between these units are gradational with frequent and often rapid facies changes suggested.

Bedding is highly variable across the grid area. At the Banner shaft, the "vein" sits conformably within the sediments with bedding at 280-300°/30° N. Several hundred metres to the north, at the North Banner pit, very well developed bedding in argillite and conglomerate is 000-010°/80°E. In general, the units are steeply dipping. In the Greenwood and Belcher Districts, the Brooklyn limestone sits above the sharpstone conglomerate. If the same is true in the Franklin Group, then the sequence is younging to the west and beds are tipped and locally overturned.

Repetition of units across the grid area may be a true stratigraphic repetition, or may be a result of later faulting. There is a suggestion of broad scale folding, with the Jimmy showings located at the fold nose, however this remains unresolved.

A large body of granodiorite to diorite intrudes the Franklin Group sediments in the western part of the grid. Numerous other smaller dykes and stocks are present elsewhere on the grid.

A major north trending, moderate west dipping fault (named the McFarlane Fault, after Frank McFarlane the original locator of the Banner claim) occurs in the gully between the Homestake and North Banner showings, and is exposed in a number of old pits along the gully and near the portal to the Banner adit. Stratigraphy is near vertical and there is little offset in units, suggesting that the McFarlane fault may be a normal fault with little or no strike-slip movement. The amount of displacement is unknown.

A second major fault also occurs in the northern fork of the Twin Creek valley, at the northern limit to the 2003 geological mapping program. Previous mapping (Pinsent and Cannon, 1988) identified a large body of Averill plutonic rocks north of the creek. These rocks are exposed along the main access road, north of the

Twin Creek gully. In the western part of the grid, Franklin Group argillite and sediments cover a very steep hillside north of Twin Creek below the Averill bluffs.

Along the main access road, the Franklin rocks are unconformably overlain by arkosic sandstone (locally very immature) and interbedded pebble to cobble sized, polymictic conglomerate of the Eocene Kettle River Formation. Bedding is well developed in the Eocene sediments, with flat to low angle east dips. There is no evidence of faulting at the basal Eocene contact.

These sediments are in turn overlain by (dominantly) andesitic and trachytic lavas of the Eocene Marron Formation. The Marron volcanic form prominent ridges and large areas of scoured outcrop on Mt. Franklin. Several distinct flows can be recognized, including a glassy rhyodacite with fine feldspar and pyroxene phenocrysts, a pyroxene phyric andesite flow which very commonly displays well developed flaggy jointing, a feldspar and needle-like amphibole phyric andesitic flow with minor large blocky pyroxene phenocryts, and an amygdaloidal, pyroxene phyric flow (+/- analcime).

Several significant areas of anomalous gold in soils had been identified on Mt. Franklin by Placer's geochemical survey in 1987, with individual values to 3370 ppb Au and 1730 ppb Au (Pinsent and Cannon, 1988). Mapping and prospecting were done to follow-up on these areas of anomalous gold in soils, for the possibility of Eocene epithermal style mineralization. There is good rock exposure in the "anomalous" areas, all of which are underlain by Eocene volcanics and sediments. No evidence of alteration or mineralization was noted, and there was no indication that the anomalies were caused by glacial dispersion. Soil sampling was done in an attempt to reproduce the soil anomalies, however due to budget constraints, these samples were not submitted for analysis. On re-examining the Placer soil data, it seems very likely that these results were erroneous, caused by either sampler or lab error, however before dismissing these targets completely, the 2003 soil samples from this area should be analysed.

A large number of areas of mineralization occur on the Homestake grid, as shown in Figure 4 and summarized below. Numerous rock samples were collected from areas of mineralization on the grid (see Figure 12 & Section 5.0). Results from follow-up trenching and drilling are described in Section 6.0 and 7.0, respectively. Some reference to previous results is included in the following discussion. A complete summary of these previous results is available in the 2002 compilation report (Caron, 2002).

Homestake

The Homestake Mine produced about 453 tonnes at an average grade of 15.3 g/t Au and 30 g/t Ag during the period 1940-41. Since this time, a number of very high gold values (to as much as 17.5 oz/t Au) have been reported from grab samples from the dump. The old workings are flooded and little can be seen as to the nature of mineralization, apart from scattered (well picked through) samples of ore left on the shaft dump. The ore is intensely silicified calcareous Franklin sediments, very similar to that from the Union Mine (and from the Banner and North Banner showings), with small pods and disseminations of fine grained pyrite, galena and sphalerite. Underground mapping and sampling by Hecla in the 1930's showed that the mineralized zone trended about 320°/50°N. Mineralization is reported to have been strongly disrupted by faulting, with none of the ore shoots exceeding 4.5 metres in length. A north trending, shallow east dipping fault zone is visible at the portal to the decline. A second fault, also north trending but dipping moderately east to vertically, has been explored by a series of pits southeast of the shaft. Drilling by Hecla (in 1933) and by Sway Resources (in 1993) failed to locate the Homestake zone at depth.

North Banner

The North Banner pit is situated about 200 metres northwest of the Homestake shaft and roughly on strike with the Homestake zone. The pit exposes white, intensely silicified and locally brecciated rock. Very rare limestone fragments are seen within the siliceous rock. The sulfide content is low, typically less than 2%, and consists primarily of pyrite and fine grained galena. Very minor malachite staining occurs. Previous grab samples collected from the dump of the North Banner pit returned values to 10.1 oz/t Au, however sampling during the current program was unable to reproduce these results. Considerable drilling has been done to test the North Banner zone with erratic results, as documented by Caron (2002). The best result was hole 93-12 which returned 3.4 metres grading 0.23 oz/t Au, at a vertical depth of 10.5 metres below surface.

In the original North Banner pit, the orientation of the mineralized zone is unclear. During 2003, an attempt was made to follow the zone on strike to the east and west. The vein could not be traced to the west by trenching. To the east, two vein segments were exposed and show the vein to have an orientation of about $300^{\circ}/70^{\circ}$ N. The vein averages 1 to 2.5 metres in width, but is affected along strike by numerous post-mineral faults that offset the vein. Hangingwall and footwall contacts to the North Banner "vein" are gradational, except where the zone is cut along strike by later faults. Detailed chip sampling from the 2003 trenches showed that, on average, the gold grade was quite low. Samples from TR03-1 returned a weighted average grade of 6.6 g/t Au, 7.2 ppm Ag, 295 ppm Cu, 1000 ppm Pb and 1074 ppm Zn over an average true width of 2.34 metres. One sample from this trench assayed 25.32 g/t Au (over 1.6 metres). Samples from TR03-3 were significantly lower in gold, returning an average of 192 ppb Au with similar Ag, Cu, Pb and Zn values.

North Homestake

A very large number of pits and trenches occur west of the main road, on the hillside north of the Homestake shaft, over an area of some 200 metres x 150 metres. The pits test a large area of silicification with local veining, brecciation and with numerous faults zones (+/- mineralization) that is known as the North Homestake showing. Select samples from the dumps of old pits, by previous workers, have returned values to 2.75 oz/t Au, however samples collected during the current program failed to reproduce these high results. Numerous drill holes tested this zone in 1993 and 1994, most of which failed to trace the mineralization to depth. One hole, NHO94-3c did returned 1.8 metres grading 1.09 oz/t Au, at a vertical depth of about 25 metres below surface.

Note: This hole is shown and described by Miller (1995) as testing the North Banner vein, however this would seem to be incorrect. A drill collar labelled with this number was found in the North Homestake area, and it is believed that this collar corresponds with these results. After re-examining the drill core, completing the 2003 trenching program, and attempting to correlate the geology on surface and in the drill hole, it was concluded that the North Homestake location was the correct location for this hole. The following explanation for the error is offered. Sway Resources chose a confusing numbering system for their drill holes. Two different holes were called NHO94-3c and WHO94-3c, respectively. The first was in the North Homestake area (NHO) and the second in the West Homestake area (WHO). The West Homestake area = the North Banner area. Miller (1995) has erroneously associated the NHO results with the WHO location.

Banner

Prior to the 2003 trenching program, the surface exposure of the Banner vein consisted of a water filled shaft (the Banner shaft), one short blasted trench across the shaft dump, and an outcrop on an old road just below the shaft dump. No vein contacts were exposed, and the orientation of the vein was unclear. An adit with a caved portal had been dug to test the vein below the shaft, and 3 drill holes were drilled on the vein in 1969.

During 2003, a very large and impressive looking trench (Trench 03-12) was dug adjacent to the Banner shaft to expose the vein and define its orientation. A 28 metre long by 10 metre wide area was stripped, which was essentially entirely within the "vein". The weighted average grade for the Banner vein, in Trench 03-12 is 1.4 g/t Au, 35.3 g/t Ag, 0.3% Cu, 1.3% Pb and 1.5% Zn over an 11 meter true width. Eight drill holes were drilled during 2003 to test the vein at depth, as detailed in Section 7.0. The best results from drilling was 4 metres grading 2.35 g/t Au, 19.25 g/t Ag, 0.23% Cu, 0.65% Pb and 3.16% Zn in drill hole FR03-5.

The Banner vein is similar in appearance to the Homestake and Union veins, consisting of intensely silicified calcareous Franklin sediments, locally resembling a massive quartz-carbonate vein. It is weakly mineralized with poddy sphalerite, galena and chalcopyrite and, on surface, has weak malachite and manganese staining. Locally the sulfide content ranges up to 5 or 10%, but is typically much less than this. Narrow massive galena veins occur within the silicified zone. Better gold grades correlate with higher sulfide concentrations.

In Trench 03-12, a prominent 340/75°W trending fault forms the western contact of the vein/silicified zone with argillite. It was unclear in trenching whether this represented the true vein orientation, however drilling has confirmed that it does not and that the zone in fact trends at 280-300°/30-35°N. The Banner zone is best described as an intensely silicified zone, rather than a true vein. It is conformable with bedding, and hosted within Franklin Group conglomerate and fine grained siltstone. Contacts to the zone are gradational, where not disrupted by later faulting. Its true thickness ranges up to 11 meters near surface, but pinches out rapidly at depth. Drilling and trenching failed to trace the Banner vein on strike to the east. Intermittent outcrops, float and old workings on similar silicified material continue for approximately 250 meters on strike to the northwest.

Bullion

The Bullion showing is located just east of the Banner road, near the switchback to the Banner shaft. A narrow vuggy quartz vein with poddy fine pyrite and with minor sphalerite and galena occurs along a fissure within the cherty siltstone and has been explored by several pits or shallow shafts. Previous workers have reported values to 0.65 oz/t Au from select grabs of the vein material from the Bullion pits. Three samples were collected from this area during 2003, with a maximum value of 1052 ppb Au returned. Several (vertical) percussion holes have been drilled along the road at this location.

Laura

The Laura zone is an area of silicification within the Franklin Group, located at the turn-around at the end of the logging road to the Homestake area. An area of anomalous As and Ag in soils is associated with the silicified zone. This area has been explored by a series of pits and by several 1987 Placer drill holes. Values to 77.9 ppm Ag (and 260 ppb Au) were returned from rock samples collected from this area during 2003. Previous workers have reported values to 141 ppm Ag. Gold values are consistently low.

Aldie

Several old pits test a zone of patchy silicification in limestone and limestone breccia, about 150 metres northwest of the North Banner pit. Very minor sulfides (pyrite, chalcopyrite, galena and sphalerite) occur as small pods and disseminations, but overall the Aldie zone is small and relatively unimpressive. Previous samples from this area had returned values to 1.186 oz/t Au and to 4.55% Zn and 1.45% Pb (Caron, 2002). Sampling during the current program was unable to duplicate these high values, returning a maximum of 536 ppb Au. Two trenches were dug adjacent to the (upper) old workings, and failed to extend the known zone of mineralization.

Deadwood

The Deadwood showing is large area of intense silicification in Franklin Group sediments that is located about 200 metres north-northeast of the North Banner pit. An old drill road leads from the North Banner pit steeply downhill to the Deadwood zone, and ends just above a short adit which tested this zone. Previous workers have described the Deadwood zone as a "15 metre wide quartz vein", but there are no well defined vein contacts and this is better described as an area of silicification. Gold values within the silicified zone are elevated, to 0.17 oz/t Au in one historic grab sample, but more typically in the several hundred to 1000+ppb Au range.

North Deadwood

The North Deadwood zone could not be located during the current program. Previous workers have reported values to 0.627 oz/t Au, 14.29 oz/t Ag, 5000 ppm Cu, 1.43% Zn and 37.96% Pb from this zone, however the zone itself is poorly described. A strong NE trending Zn soil anomaly was defined by the Placer survey in this area, spatially associated with a sediment-limestone contact in the Franklin Group. This is now a clearcut logged area with considerable surface disturbance. The supposed showing plots within a large landing area in the clearcut. There is no rock exposed and no evidence of any old workings in the area.

Jimmy

The Jimmy zone refers to several narrow quartz fissure veins within or adjacent to the western contact of the granodiorite intrusive. Several pits and short adits test these veins. A number of small old pits also explore the limestone/intrusive contact in this area, and a large, more recent cat trench has exposed an area of rusty argillaceous siltstone. Mineralization at the Jimmy zone consists of poddy galena and sphalerite within quartz veins. Gold values are low. Two drill holes tested the zone in 1987 without significant results (Pinsent and Cannon, 1988).

Prior to the 2003 program, there was no good understanding as to how all of the different areas of mineralization in the Homestake grid area related to each other. Geological mapping during 2003 was successful in providing a good working model for mineralization, and for providing an explanation about the relationship between the various known showings. Briefly, the model involves a series of sub-parallel irregular, discontinuous silicified zones, trending on average approximately $300^{\circ}/50^{\circ}N$, which are offset by a series of north trending faults. The veins are all hosted within Franklin Group rocks, near the contact with the diorite/granodiorite intrusion.

As described above, a major north trending, moderate west dipping fault, the McFarlane Fault, occurs in the gully between the Homestake and North Banner showings, and is exposed in a number of old pits along the gully and near the portal to the Banner adit. Current thinking has the Homestake hill forming a dip-slope on the fault and places the Homestake-North Homestake-Laura showings in a thin hangingwall remnant in the upper plate of the fault. As such, these showings have limited depth extent.

The North Banner vein may represent the western on-strike extension of the Homestake vein. The Deadwood zone is a silicified zone, subparallel to the North Banner vein and located a few hundred metres to the north. Both these zones occur in the near hangingwall of the McFarlane fault, and as such, have limited depth extent. There is potential to locate the faulted footwall portions of these zones, however these targets are blind targets that would require testing by drilling. Given the discontinuous nature of the zones and the erratic gold grades, this may not be justified.

The depth potential for the North Banner vein in the hangingwall of the McFarlane fault increases on strike

to the west, however trenching was not able to follow the vein on surface in this direction past the North Banner pit. The Aldie showings, and other areas of silicification discovered west of the North Banner pit, may represent this system, however gold values were low and trenching failed to find any significant mineralization. This particular vein system appears to get weaker on strike to the west.

The Banner "vein", at the shaft and Trench 03-12, is within the footwall of the McFarlane fault and as such the fault does not limit the vertical or eastern extent of the vein. That said, the Banner vein does appear to peters out both at depth (as shown by the 2003 drill program) and to the east. The Bullion showing, on strike to the east, does show that the system continues in this direction, albeit weakly. The Banner vein is also exposed on the hangingwall side (down dropped side?) of the McFarlane fault.

4.0 SOIL GEOCHEMISTRY

Soil samples were collected from the Homestake grid from May 14 - 20, 2003. Sampling was done by John Boutwell, Scott Hodges, Roger Pugh, Lee-Anne Ennes and Alfreda Elden. Due to budget constraints, only a fraction of the total number of samples collected was submitted for analysis. The remainder of the samples have been dried and placed in storage at Jack Carson's Brown Creek residence north of Grand Forks for analysis at a later date if needed. Several duplicate soil samples were later collected by John Boutwell to check a very high single station gold anomaly within the Homestake grid. Contour soil samples were also collected from the Iron Cap area, by Alfreda Elden during June, 2003. In total some 1530 soil samples were collected, with 292 of the samples submitted for analysis.

Samples were submitted to Acme Analytical Laboratories in Vancouver for preparation and analysis by the Group 1F method (36 element (including gold) analysis of a 1 gm sample by ICP/ES & MS). Details of the analytical procedure are contained in Appendix 4 of this report. Complete analytical results are included in Appendix 5.

Simple statistics for the Homestake Grid soils are shown below in Table 2. Sample locations and results for Au, Ag, Cu, Pb, Zn and As are plotted on Figure 5 -10. Where duplicate samples were collected, the results for these samples are shown in parentheses next to the original result for that location.

| STATISTICAL DATA FOR SOIL SAMPLES | | | | | | | | | |
|-----------------------------------|---------|----------------|-----|-----|------|------|-----|--|--|
| | Au | Au Au* Ag Cu P | | | | | As | | |
| | ppb | ppb | ppm | ppm | ppm | ppm | ppm | | |
| Minimum Value | 0.2 | 0.2 | 0.1 | 13 | 5 | 27 | 2 | | |
| Maximum Value | 10263.1 | 1269.9 | 6.5 | 653 | 1391 | 3133 | 950 | | |
| Average Value | 52.4 | 16.1 | 0.7 | 64 | 44 | 230 | 85 | | |
| Median Value | 3.4 | 3 | 0.5 | 49 | 21 | 161 | 63 | | |
| Standard Deviation | 640.1 | 112.7 | 0.8 | 67 | 123 | 285 | 98 | | |

^{*} note: statistical data for Au values have been recalculated, removing from the data set. one very high value that could not be reproduced

Table 2 - Soil Sample Statistics

Given the number of known mineral showings in the portion of the grid that was tested by soil sampling, the geochemical response of this area was disappointingly low. In general, there is a good correlation between anomalous gold and lead values. A weak, linear northwest trending Au-Pb (+Zn, Ag) soil anomaly corresponds to the Bullion-Banner vein occurs in the southwest. The anomaly measures about 200 m long x 25-50 metres wide, with maximum values of 1270 ppb Au, 6.5 ppm Ag, 1391 ppm Pb and 1003 ppm Zn. The anomaly was tested by trenches TR03-10, -11 and -12, as described in Section 6.0.

A single station value of 10,263 ppb Au was reported for L102+00N, 98+00E, roughly on-strike of the above anomaly and in an area of known quartz veining in outcrop. The reject from this sample was reanalysed, using a metallic screen fire assay and the anomalous gold value was not repeated. A duplicate sample was collected from this site, which returned only 1 ppb Au. An infill sample collected 25 metres to the northwest, and a duplicate sample from the adjoining grid station to the southwest also failed to return elevated gold values. It was concluded that the original sample result was the result of sampler or lab contamination.

The only other area of significantly elevated gold in soil samples is on line L104N about 100 metres east of the baseline. A two station gold anomaly (479 & 111 ppb Au) with corresponding elevated lead (to 812 ppm Pb) and with weakly elevated Zn, As and Ag corresponds to an area of quartz veining (with minor galena, sphalerite and pyrite) and silicified Franklin sediments in outcrop. Rock samples from this area returned low gold values, to a maximum of 673 ppb Au (with 1.8% Zn, 1.7% Pb).

Copper is consistently low throughout the area sampled. Broad areas of elevated zinc and arsenic appear to be stratigraphically controlled, and correlate generally with Franklin limestone/conglomerate contacts. There is also a zinc-arsenic anomaly associated with the North Homestake area, and a weak-moderate silver anomaly associated with the Laura showing. Elevated tellurium (to 1.3 ppm) occurs downslope from the Homestake dump, as well as downslope from the Banner showing.

As discussed in the preceding section, four areas of anomalous gold in soils on Mt. Franklin were identified by Placer's geochemical survey in 1987, with individual values to 3370 ppb Au and 1730 ppb Au (Pinsent and Cannon, 1988). These areas were prospected during the 2003 program and no evidence of alteration or mineralization was noted, nor was there any indication that the anomalies were caused by glacial dispersion. Soil samples were collected from the Mt. Franklin area in an attempt to reproduce the soil anomalies, however due to budget constraints, these samples were not submitted for analysis. On re-examining the Placer soil data, it seems very likely that these results were erroneous, however before dismissing these targets completely, the 2003 soil samples from this area should be analysed.

Sample locations and results for contour soil samples collected in the Iron Cap area are shown on Figure 11. No significant results were obtained from these samples.

5.0 ROCK GEOCHEMISTRY

An extensive prospecting and rock sampling program was done from May-September 2003, to follow-up all of the high priority targets on the property that had been identified by the 2002 compilation program (Caron, 2002). The reader is referred to the 2002 compilation report for details and rationale in selecting targets for follow-up. A total of 288 rock samples were collected from the Franklin property during 2003. The majority of the samples were collected by John Boutwell during the course of prospecting. A lesser amount of rock sampling was completed by Linda Caron, while carrying out geological mapping on the Homestake grid. A very few samples were collected by other individuals (Alfreda Elden, Jim Kermeen, Murray McLaren).

Descriptions for all rock samples are contained in Appendix 1. Sample locations from the Homestake Grid are shown on Figure 12. Locations from the IXL area are included on Figure 13, while those from the remainder of the Franklin property are shown on Figure 11.

All samples were submitted to Acme Analytical Laboratories in Vancouver for preparation and analysis by the Group 1F method (36 element (including gold) analysis of a 30 gm sample by ICP/ES & MS). Overlimit samples were assayed for Au and Ag (and for Cu, Pb, and Zn where relevant). Details of the analytical procedure are contained in Appendix 4 of this report. Complete analytical results are included in Appendix 6.

Results for select elements are included on Figures 11-13, and are discussed below. No attempt has been made to calculate any statistics on the rock samples, because of the extremely varied nature of material sampled and the wide range of sample locations. "Significant" values are somewhat arbitrarily picked at:

- > 1000 ppb Au
- > 20 ppm Ag
- > 1000 ppm Cu, Pb, Zn
- > 300 ppm As
- > 300 ppb Hg

Values meeting or exceeding these limits are shown in bold on Figures 11-13. Antimony, selenium and tellurium are also of interest, because of their association with epithermal style mineralization elsewhere in the district. Values exceeding 35 ppm Sb, 20 ppm Se and 3 ppm Te are considered anomalous.

One sample was collected for lead isotope analysis on galena. The sample was submitted to the University of British Columbia; results are included in Appendix 9.

Franklin Property Figure 11

Five samples (JB024, 025, 2417-2419) were collected from the Union Mine dumps to provide a geochemical signature for comparison to samples from showings in the Homestake grid area. Two of the Union samples contained elevated gold, to a maximum of 9.6 g/t Au. Higher gold values were associated with a higher sulfide content. Sample JB024 was collected from greyish quartz/silicified material with galena, chalcopyrite and sphalerite mineralization and shows a geochemical signature for the Union vein of Au:Ag:Cu:Pb:Zn:Hg:Se:Te. It returned:

| | Au | Ag | Cu | Pb | Zn | As | Hg | Sb | Se | Te |
|-------|------|------|-----|-----|-----|-----|------|-----|-----|-----|
| | ppb | ppm | % | % | % | ppm | ppb | ppm | ppm | ppm |
| JB024 | 9578 | >100 | 0.7 | 2.2 | 8.4 | 94 | 1441 | 26 | 107 | 5 |

Considerable sampling was done from an area labelled on Figure 11 as the Iron Cap (after the former crown grant on which it is situated). Intensely silicified Nelson intrusive rocks are exposed along the main road at

this point, and several small flecks of what was confidently identified as native gold were noted. Some 30 metres south and up the hill from this area, an old pit has been dug along a strong north trending, near vertical fault zone. A number of pieces of very impressive looking epithermal quartz breccia were found on the dump of the pit. A large number of samples were collected from this area, as shown on Figure 11. Samples did not returned elevated values in gold, silver, base metals or other elements of interest. Further uphill to the south minor quartz veining was noted in float boulders of Eocene Kettle River sediments. About 300 metres to the southeast of the Iron Cap pit, the hillside is riddled with shallow old pits and trenches within an area of Eocene sediments and Franklin Group volcanics (?). Sample JB129 was a sample of magnetite, pyrrhotite and pyrite in quartz, collected from the dump of an adit in this area. This sample returned 1893 ppb Au and 28.9 ppm Ag. Tellurium was also elevated in this sample (5 ppm Te).

Eocene epithermal veining occurs on the east side of Gloucester creek, along the main logging road (samples JB166-68, 170). Samples of vuggy quartz breccia veining in carbonate altered intrusive from this area were not anomalous in gold, silver, base metals or other elements of interest.

Some sampling was done at the McKinley showing to investigate the possibility for Lamefoot type mineralization. Samples JB001-011 were collected from samples of massive sulfide (chalcopyrite, sphalerite, pyrite) and magnetite from this area, and consistently show high silver and copper values, with local high values of lead, zinc, arsenic, mercury, antimony, selenium and tellurium. Gold values are elevated, but low, to a maximum of 784 ppb Au. JB001 was a sample across a 0.4 metre wide sphalerite-chalcopyrite zone adjacent to a magnetite body. Samples JB009 and -010 were similar material collected about 150 metres to the south of this (uphill) from the dump of an old trench, and returned similar results, as shown below.

| | Au | Ag | Cu | Pb | Zn | As | Hg | Sb | Se | Te |
|-------|-----|------|-----|-----|-----|------|------|------|-----|-----|
| _ | ppb | ppm | % | % | % | ppm | ppb | ppm | ppm | ppm |
| JB001 | 64 | >100 | 2.1 | 2.6 | 1.5 | 1622 | 1018 | 1110 | 148 | 14 |
| JB009 | 784 | 91 | 2.2 | 2.5 | >9 | 780 | 3158 | 12 | 272 | 23 |
| JB010 | 126 | >100 | 7.5 | 0.9 | 3.0 | 64 | 1594 | 10 | 108 | 8 |

An area of pyritic sediments adjacent to limestone along the main road, north of the McKinley showings and on the north side of Franklin creek, was also prospected and sampled. No elevated values were returned from this area (samples JB105-116, etc).

Rock sampling was also done in the vicinity of the Maple Leaf showings, on the Dodge 99 claim to test for gold mineralization in this area. Epithermal quartz veining was noted in old pits within the Averill intrusive rocks in this area, in close spatial association with copper mineralization within the pyroxenite. Two samples of sulfides with quartz veining were sampled (JB026-027) and showed highly anomalous Hg and Ag (+Cu, Pb, Zn, Se +/- Sb), but no significant enrichment in Au, as shown below. Sample AE007, from the same location, was a sample of massive sulfides (chalcopyrite, galena, sphalerite).

| | Au | Ag | Cu | Pb | Zn | As | Hg | Sb | Se | Te |
|-------|-----|------|-----|-----|-----|-----|------|-----|-----|-----|
| | ppb | ppm | % | % | % | ppm | ppb | ppm | ppm | ppm |
| JB026 | 99 | >100 | 2.9 | 1.3 | 5.8 | 5 | 4009 | 66 | 53 | 2 |
| JB027 | 90 | >100 | 1.6 | 2.1 | 0.3 | 1 | 2229 | 2 | 97 | 1 |
| AE007 | 57 | 76.8 | 4.2 | 0.7 | 6.2 | 3 | 4601 | 3 | 40 | 0.4 |

Samples of massive to semi-massive chalcopyrite within shear zones in pyroxenite from the same area (JB028-030) returned copper values to 4.7% Cu with >100 ppm Ag. In the same area, two samples were collected from the Maple Leaf crush zone (JB186-187), a large zone of shattering and copper staining in syenite. One sample was elevated in gold, the other in silver and copper, as listed below.

| | Au | Ag | Cu | Pb | Zn | As | Hg | Sb | Se | Te |
|-------|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| | ppb | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm |
| JB186 | 3244 | 17.3 | 10 | 26 | 3 | 16 | 16 | 0.3 | 4 | 2 |
| JB187 | 317 | 58.6 | 9050 | 5 | 62 | 2 | <5 | 0.5 | 0.8 | 0.2 |

About 500 metres south of this area, and due west of the Union Mine, two samples were collected from an area of silicification and quartz veining (JB188, 189). The quartz is whitish, lacking the sulfides seen at the Union dumps. One sample did return elevated gold, as shown below.

| | Au | Ag | Cu | Pb | Zn | As | Hg | Sb | Se | Te | |
|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | ppb | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | |
| JB188 | 1406 | 8.8 | 385 | 155 | 800 | 33 | 26 | 2 | 2 | 0.1 | |

Only one other sample is worth specific mention. Sample JB240 was collected from a 1.4 metre wide bull-type quartz vein on Mt. McKinley in the southern part of the property. An old pit was dug on the vein, which appears to trend at about 300° along a sediment-augite porphyry contact. Gold and copper were enriched in the vein, which has a different geochemical signature from the Union vein.

| | Au | Ag | Cu | Pb | Zn | As | Hg | Sb | Se | Te | |
|-------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| | g/t | ppm | % | ppm | ppm | ppm | ppb | ppm | ppm | ppm | |
| JB240 | 4.92 | 6.9 | 1.3 | 18 | 68 | 12 | 15 | 1 | 15 | 1 | |

Homestake Grid Figure 12

A considerable amount of rock sampling was done in the Homestake Grid area, as shown on Figure 12. Significant gold results are discussed below.

Samples from each of the known areas of mineralization were collected to test the geochemical signature of mineralization for comparison to the Union Mine. Rock sample results reported by previous workers include some very high gold values from some of the areas of mineralization in the grid area, in particular the Homestake and North Banner. These very high gold values were not repeated by the 2003 rock sampling program.

Two grab samples were collected from the dump of the Homestake shaft. The samples show a similar signature to the Union mine (Au:Ag:Cu:Pb:Zn:Hg:Se:Te) although elevated tellurium is lacking at the Homestake and values are generally lower for all elements except gold. A lead isotope analysis on galena was done on a sample collected from the Homestake mine during 2003 (see Appendix 9) that suggests a Jurassic age to the mineralization.

| | Au | Ag | Cu | Pb | Zn | As | Hg | Sb | Se | Te | |
|-------|------|------|------|------|------|-----|-----|-----|-----|-----|--|
| | ppb | ppm | % | % | % | ppm | ppb | ppm | ppm | ppm | |
| JB022 | 6559 | 16.4 | 0.17 | 0.33 | 0.49 | 101 | 79 | 5 | 19 | 1 | |
| JB023 | 9305 | 26.2 | 0.21 | 0.95 | 2.8 | 61 | 505 | 7 | 26 | 1 | |

Five samples were collected from the dump at the Banner shaft. As with the Union vein, higher gold values are associated with a higher sulfide content. The Banner vein has a similar geochemical signature to the Union vein, as shown below. Results from trenching and drilling done to follow-up the Banner vein are described in Sections 6.0 and 7.0 of the report.

| | Au | Ag | Cu | Pb | Zn | As | Hg | Sb | Se | Te |
|------------|------|------|------|------|------|-----|------|-----|-----|-----|
| . <u>-</u> | ppb | ppm | % | % | ppm | ppm | ppb | ppm | ppm | ppm |
| JB019 | 302 | 22.1 | 0.14 | 0.92 | 9852 | 27 | 1044 | 12 | 6 | 0.5 |
| JB020 | 817 | 47.6 | 0.11 | 0.89 | 292 | 56 | 388 | 25 | 7 | 1 |
| JB021 | 1439 | >100 | 1.37 | 3.05 | >9 % | 64 | 1850 | 128 | 42 | 6 |
| 2325 | 1691 | 97.4 | 0.47 | 4.07 | >9 % | 37 | 2679 | 57 | 9 | 3 |
| 2326 | 826 | 49.6 | 0.46 | 0.66 | 1323 | 32 | 557 | 17 | 12 | 3 |

Samples from the Bullion pits, 150 metres on strike to the southeast from the Banner shaft, had similar results, with anomalous Au, Ag, Cu, Pb, Zn, Hg, Se (JB017, 018, 2322). Arsenic was also elevated in the Bullion samples, to 438 ppm As, while elevated tellurium was lacking.

Numerous old pits and trenches test an area of silicification, quartz veining and brecciation on the hillside below the main road and a few hundred metres north of the Homestake shaft. This area is known as the North Homestake area. A number of samples were collected in this area, and elevated gold values were returned from several samples, as shown below. A metallic screen gold assay was run on sample JB064, which did not significantly increase the gold grade and suggests that gold is not occurring as coarse particulate gold.

| - | Au | Ag | Cu | Pb | Zn | As | Hg | Sb | Se | Te |
|-------|------|------|------|--------|------|-----|-----|-----|-----|-----|
| | ppb | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm |
| JB064 | 10.3 | 33.7 | 2790 | 1.58 % | 2393 | 194 | 152 | 9 | 38 | 0.7 |
| | g/t | | | | | | | | | |
| 2304 | 1982 | 4.9 | 193 | 138 | 147 | 294 | 16 | 6 | 5 | 0.3 |
| 2308 | 2714 | 18 | 189 | 1562 | 240 | 511 | 44 | 14 | 24 | 0.6 |
| 2309 | 2695 | 19 | 372 | 3676 | 1076 | 196 | 35 | 11 | 12 | 0.5 |
| 2312 | 4650 | 18.2 | 391 | 1632 | 361 | 68 | 73 | 7 | 8 | 0.2 |
| 2313 | 6612 | 17.9 | 355 | 1602 | 1115 | 163 | 322 | 4 | 5 | 0.2 |

Elevated gold was also returned from samples from the dump North Banner pit, as shown below. Intensely silicified, brecciated calcareous sediments are exposed in the pit. Sulfide content is low, generally less than 3%, as fine black bands and patches. Higher gold values are associated with higher sulfide content. A metallic gold assay on sample 2314 did not upgrade the gold value significantly.

| | Au | Ag | Cu | Pb | Zn | As | Hg | Sb | Se | Te |
|-------|------|------|------|-------|------|-----|-----|-----|-----|-----|
| - | ppb | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm |
| JB058 | 3.96 | 18 | 1772 | 9002 | 3.2% | 39 | 768 | 5 | 15 | 0.5 |
| | g/t | | | | | | | | | |
| JB059 | 1074 | 11.2 | 1511 | 3699 | 1.7% | 16 | 773 | 4 | 10 | 0.4 |
| JB060 | 1991 | 12 | 753 | 1.1% | 1.5% | 27 | 956 | 6 | 7 | 0.6 |
| 2314 | 9.38 | 46.8 | 1811 | 2.35% | 1595 | 163 | 322 | 21 | 27 | 4 |
| | g/t | | | | | | | | | |

An old adit tests a zone of massive pyrrhotite-arsenopyrite mineralization along a syenite contact on the steep hillside north of Twin Creek. Samples JB074 to -076 were collected from this area. Two of the samples returned elevated gold, to 2983 ppb Au, with arsenic values exceeding the ICP limit.

IXL Area Figure 13

Figure 13 shows the rock sample locations and results for sampling in the IXL area in the southwestern part of the Franklin property. The 1969 Newmont trenches and drill holes are included on this figure for reference. The location of the 2003 drill hole (IXL03-1) is also shown. In general, there is a strong correlation between copper and gold values in this area.

Several samples were collected from Newmont's 1969 Trench 3 (in the area reported to return 0.78% Cu over 21.3 metres (70 feet)) and show that gold values are elevated within this zone. Silver was only slightly anomalous and no other elements of interest were significantly enriched. The Newmont trench is sloughed with limited rock exposure. Sulfide rich boulders and silicified, sulfidic feldspar porphyry were sampled, with anomalous results listed below.

| | Au | Ag | Cu |
|-------|------|-----|------|
| | ppb | ppm | % |
| JB016 | 1154 | 7.1 | 0.64 |
| JB233 | 3.03 | 3.2 | 1.14 |
| | g/t | | |
| JB234 | 1398 | 1.4 | 0.38 |
| JB243 | 1171 | 7.8 | 1.19 |

An area of epidote-chlorite-magnetite altered Franklin volcanics occurs in outcrop and subcrop in the logged area uphill from Newmont's Trench 3. A old adit, now caved, tested this zone. Numerous samples were collected from this area. Gold and copper values were consistently elevated, to a maximum of 1598 ppb Au and 4081 ppm Cu. Some of the better results from this area are as follows:

| | Au | Ag | Cu |
|-------|------|-----|------|
| | ppb | ppm | % |
| JB034 | 4326 | 7.3 | 0.62 |
| JB205 | 1598 | 3 | 0.23 |
| JB207 | 1461 | 1.3 | 0.34 |
| JB208 | 1242 | 1.2 | 0.41 |
| JB230 | 1981 | 9.3 | 886 |

A sample of massive sulfide float about 100 metres to the northwest and downhill from this area, in IXL creek contained 8.6 g/t Au and 1.65 % Cu (JB012).

Skarn with galena and sphalerite occurs in several places near Franklin Group limestone contacts (samples JB013, 211-12, and 236-38). These samples are significantly enriched in Ag, Cu, Pb, Zn, As and Hg, but do not contain appreciable gold.

6.0 TRENCHING

A trenching program was carried out from July 2-14 2003, to follow-up on targets resulting from the geological mapping, prospecting, soil and rock sampling programs in the Homestake grid area and to follow up results from previous exploration programs in this area. A total of 364 lineal metres of trenching was done in 15 trenches, using a Hitachi EX 60 excavator owned and operated by Impact Equipment of Trail, B.C. Trench layout, mapping and sample layout was done by Linda Caron. John Boutwell and Alfreda Elden assisted with trench mucking and trench samples were collected by John Boutwell. All trenches have been backfilled and any timber disturbed has been bucked and scattered.

Trench locations, relative to property boundaries and to the Homestake grid, are shown on Figure 4. Table 3, below, lists the specifications for each of the trenches. Detailed geology and sample layout for the individual trenches are shown in Figures 14 - 18.

| Trench | Area | Sample #'s | Length | Target |
|----------|-----------------|------------|--------|---|
| TR 03-1 | North Banner | 2333-2347 | 12 m | To expose the North Banner vein on strike near the North |
| | | | | Banner pit. |
| TR 03-2 | North Banner | - | 20 m | To test for the offset eastern strike extension of the North |
| | | | | Banner vein. |
| TR 03-3 | North Banner | 2348-2374 | 23 m | To test for the offset eastern strike extension of the North |
| | | | | Banner vein, in the area of mineralized quartz vein float. |
| TR 03-4 | North Banner | 2375-2376 | 53 m | To test for the surface expression of veining intersected in ddh |
| | | | | 94NHO-3c. Note that this hole location was plotted incorrectly |
| | | | | by Miller (1994) and now is believed to be at the North |
| | | | | Homestake zone. |
| TR 03-5 | North Banner | - | 33 m | To test for the offset western strike extension of the North |
| | | | | Banner vein. |
| TR 03-6 | North Banner | 2388-2392 | 11 m | To better expose an area of veining/silicification in outcrop |
| | | | | with elevated gold values (JB104), east of the North Banner |
| | | | | vein. |
| TR 03-7 | Aldie | 2377-2380 | 11 m | To test the Aldie zone up hill from old pits in limestone |
| | | | | (JB061, 062), near unknown RC drill hole sites. |
| TR 03-8 | Aldie | 2381-2387 | 26 m | To test the Aldie zone up hill from old pits in limestone |
| | | | | (JB061, 062), near unknown RC drill hole sites. |
| TR 03-9 | North Banner | - | 12 m | To test the gully between the North Banner and Homestake |
| | | | | veins. |
| TR 03-10 | Banner - east | 2393-2397 | 19 m | To test the 1270 ppb Au soil anomaly at L98+50N, 97+00E for |
| | | | | possible vein between the Banner and Bullion workings. |
| TR 03-11 | Banner - east | 2398-2399 | 26 m | To test for the possible eastern strike extent of the Banner vein |
| | | | | near an old working and quartz vein float by the road. |
| TR 03-12 | Banner shaft | 2400-2430 | 29 m | To expose the Banner vein along strike at the Banner shaft. |
| TR 03-13 | Banner - north | 2431-2434 | 14 m | To test Cu ox stained qtz float along the road northwest of the |
| | | | | Banner adit near the 10g/t Au in soils (not repeatable). Can't |
| | | | | get the machine to the anomalous soil site. |
| TR 03-14 | North Homestake | 2435-2440 | 59 m | To test for the surface expression of veining intersected in ddh |
| | | | | 94NHO-3c. Note that the location and results for this hole are |
| | | | | questionable. |
| TR 03-15 | North Homestake | 2441-2443 | 16 m | To better expose veining in an old pit on the North Homestake |
| | | | | where previous samples had returned high Au values (JSK #4, |
| | | | | 2308, JB064). |

Table 3 - Trench Specifications

A total of 111 samples were collected from the trenches, as listed in Table 5 and shown in Figures 14 - 18. Descriptions of trench samples are included in Appendix 2. Unless specifically noted, all samples were channel samples. Samples were shipped to Acme Analytical Laboratories in Vancouver for Group 1F analysis (36 elements (including gold) by ICP/ES & MS on a 30 gm sample). Overlimit samples were assayed for Au and Ag. Further details of the analytical procedures are contained within Appendix 4 of this report.

Sample results, for select elements, are included on Figures 14 - 18. Note where a standard repeat analysis was done on a sample by the lab for quality control purposes, the average value of the original and repeat analysis is quoted for the sample. Basic statistics for the select elements for the trench samples are shown below in Table 4. It should be noted that trench samples were heavily weighted towards areas of mineralization or silicification. Furthermore, no attempt was made separate the samples by rock type or style of mineralization prior to calculating these statistics.

| | Au | Ag | Cu | Pb | Zn | As | Hg |
|--------------------|-------|------|-------|-------|-------|------|------|
| | ppb | ppm | ppm | ppm | ppm | ppm | ppb |
| Minimum Value | 2 | 0.1 | 20 | 3 | 76 | 1 | 5 |
| Maximum Value | 20772 | 88.4 | 13756 | 27975 | 35852 | 1480 | 1863 |
| Average Value | 1097 | 12.1 | 1095 | 4049 | 4461 | 195 | 206 |
| Median Value | 178 | 4.8 | 301 | 659 | 569 | 117 | 56 |
| Standard Deviation | 2945 | 17.3 | 2024 | 7606 | 7996 | 267 | 342 |

Table 4 - Statistical Data for Trench Samples

As with rock samples, "significant" values are somewhat arbitrarily picked at:

- > 1000 ppb Au
- > 20 ppm Ag
- > 1000 ppm Cu, Pb, Zn
- > 300 ppm As
- > 300 ppb Hg

Values meeting or exceeding these limits are shown in bold on Figures 14-18.

North Banner Area Figure 14

Seven trenches were dug in the vicinity of the North Banner showing, as shown on Figure 14. The orientation of the North Banner vein was unclear in the old pit and from previous drilling that tested the zone. An attempt was made to follow the North Banner zone on strike to the east and west from the original North Banner pit. The vein could not be traced to the west by trenching. To the east, two vein segments were exposed by trenching and show the vein to have an orientation of about 300°/70°N. The vein averages 1 to 2.5 metres in width, but is affected along strike by numerous post-mineral faults that offset the vein. Hangingwall and footwall contacts to the North Banner "vein" are gradational, except where the zone is cut along strike by later faults. Detailed chip sampling from the 2003 trenches showed that, on average, the gold grade was quite low. Samples from TR03-1 returned a weighted average grade of 6.6 g/t Au, 7.2 ppm Ag, 295 ppm Cu, 1000 ppm Pb and 1074 ppm Zn over an average true width of 2.34 metres. One sample from this trench assayed 25.32 g/t Au (over 1.6 metres). Samples from TR03-3 were significantly lower in gold, returning an average of 192 ppb Au with similar Ag, Cu, Pb and Zn values. Arsenic and mercury and antimony values were locally elevated in the TR03-3 samples (to 1480 ppm As, 366 ppb Hg and 44 ppm Sb), while none of the samples from TR03-1 contained elevated As, Hg or Sb. This may indicate a vertical zonation between the two vein segments.

Aldie Area Figure 15

Trenches 03-7 and 03-8 were dug to test for mineralization in the vicinity of the upper Aldie pits. Previous samples from this area reportedly returned values to 1.186 oz/t Au and to 4.55% Zn and 1.45% Pb (Caron, 2002) however sampling during the current program was unable to duplicate these high values, returning a maximum of 536 ppb Au. Only very minor silicification and malachite staining was discovered in the TR03-7 and 03-8. There were no significant gold values from samples collected.

Banner Area Figure 16

Two trenches were dug to test the Au-Pb soil anomaly between the Bullion pits and the Banner shaft, as shown on Figure 16. The eastern strike extension of the Banner vein was not intersected in either trench. Trenching was then done adjacent to the Banner shaft to expose the Banner vein and to define its orientation. A 28 metre long by 10 metre wide area was stripped and which was essentially entirely within the "vein".

The Banner vein is similar in appearance to the Homestake and Union veins and is best described as a zone of intensely silicified Franklin (calcareous) sediments which locally grades to a massive quartz-carbonate vein. It is weakly mineralized with poddy sphalerite, galena and chalcopyrite and, on surface, has weak malachite and manganese staining. Locally the sulfide content ranges up to 5 or 10%, but is typically much less than this. Narrow massive galena veins occur within the silicified zone. Better gold grades correlate with higher sulfide concentrations.

In Trench 03-12, a prominent 340°/75°W trending fault forms the western contact of the vein/silicified zone with argillite. It was unclear in the trench whether or not this represented the true vein orientation, however drilling has confirmed that it does not and that the Banner vein in fact trends at 280-300°/30-35°N. The weighted average grade for the Banner vein, in Trench 03-12 is 1.4 g/t Au, 35.3 g/t Ag, 0.3% Cu, 1.3% Pb and 1.5% Zn over an 11 meter true width. Mercury, antimony, selenium and tellurium were locally elevated in samples from Trench 03-12, and in particular in sample 2410 (a sample of massive galena). This sample contained 1863 ppb Hg, 205 ppm Sb, 115 ppm Se and 17.4 ppm Te. Arsenic values were not elevated in the surface samples of the Banner vein.

Banner Area (West) Figure 17

A single trench was dug along the old road, about 250 meters northwest of the Banner adit, as shown on Figure 17. The trench was designed to test an area of malachite staining and quartz vein float, near the very high gold in soil value on L102N, 98+00E. While this value was not repeated in subsequent sampling and is believed to be the result of lab or sampler contamination, an effort was made to test the site to be sure. Unfortunately, the topography was too steep to allow the excavator to reach the grid station in question. Trench 03-13 was dug along the road, about 70 meters west (and downhill from) of the "anomalous" sample site. A 0.7-1 meter wide zone of silicification and irregular quartz-carbonate veining with minor sulfide mineralization (galena, sphalerite) and with moderate malachite staining was uncovered in the trench. The best result from the zone was 147 ppb Au, 43 ppm Ag, 0.9% Cu, 2.0% Pb and 2.7% Zn, over 0.7 meters. Mercury was also elevated, to 489 ppb.

North Homestake Area Figure 18

The final two trenches of the 2003 trenching program were dug in the North Homestake area, to test an area of silicification and quartz veining with anomalous gold values in rock samples. Trench 03-14 was designed to test for the surface expression of veining intersected in ddh 94NHO-3c. (Note that the location and results for this hole are questionable, as detailed in Section 3.3 of this report). There was no evidence of veining in Trench 03-14, and no samples with significant values of gold or silver. One sample contained

elevated zinc (1169 ppm Zn).

Trench 03-15 was dug to better expose veining in an old pit on the North Homestake where previous samples had returned high Au values (to 2.75 oz/t Au). A pod of quartz veining/silicification along a 355°/65°E trending fault zone was exposed in TR03-15. The vein could only be traced for about 8 metres along strike before it pinched out along a sandstone/argillite contact. One sample across the 1.3 metre true width of the vein in TR03-15 returned 2346 ppb Au and 8.4 ppm Ag (with 1522 ppm Pb).

7.0 DIAMOND DRILLING

Between September 22 and October 14, 2003 a 9 hole diamond drill program, totalling 490.6 meters, was carried out. The drill program was designed to follow-up on results from the May-August, 2003 exploration program (geology, rock and soil sampling, trenching). General management was by Northern Natural Resource Services of Vancouver, drilling was contracted to Delorme Diamond Drilling of Merritt, B.C. and field supervision, core logging and sample layout was provided by Linda Caron and Jim Kermeen. John Boutwell provided assistance in the field, as well as splitting and sampling drill core.

Water for drilling was hauled from Burrell Creek using a 200 gallon water truck owned and operated by Impact Equipment of Trail, B.C. Drilling was on a one shift per day basis. Core was moved off site daily to the Jack Carson's Brown Creek residence north of Grand Forks. Logging and sampling was done at this location, where core is presently stored.

Eight of the holes (FR03-1 to FR03-8) were drilled on the Banner vein, while the final hole (IXL03-1) was drilled at the IXL target. Core logs for all holes are contained within Appendix 3. Table 5, below, lists the specifications of drill holes.

| Drill Hole | Drilled | Azim/Dip | D | epth | Approx grid coordinates | GPS coordinates | Samples |
|---------------|------------------|-----------|--------|----------|-------------------------|-----------------|-------------|
| | | | (feet) | (meters) | | (NAD 27) | |
| FR03-1 | Sept 22-23/03 | 070°/-50° | 150' | 45.7 | 99+71 N | 400208 E | 2444 - 2446 |
| | | | | | 97+16 E | 5490265 N | |
| FR03-2 | Sept 23-24/03 | 250°/-50° | 130' | 39.6 | 99+54N | 400257 E | 2447 - 2459 |
| | | | | | 97+67E | 5490280 N | |
| FR03-3 | Sept 25-26/03 | 250°/-85° | 132' | 40.2 | 99+54N | 400257 E | 2460 - 2472 |
| | | | | | 97+67E | 5490280 N | |
| FR03-4 | Sept 26-27/03 | 070°/-60° | 165' | 30.3 | 99+54N | 400257 E | 2473 - 2478 |
| | | | | | 97+67E | 5490280 N | |
| FR03-5 | Sept 28-29/03 | 290°/-60° | 147' | 44.8 | 99+54N | 400257 E | 2479 - 2496 |
| | | | | | 97+67E | 5490280 N | |
| FR03-6 | Sept 29-30/03 | 210°/-60° | 100' | 30.5 | 99+54N | 400257 E | 2497 - 2502 |
| | | | | | 97+67E | 5490280 N | |
| FR03-7 | Sept 30-Oct 2/03 | 200°/-53° | 170' | 51.8 | 100+05N | 400235 E | 2503 - 2508 |
| | | | | | 97+74 E | 5490326 N | |
| FR03-8 | Oct 2-3/03 | - /-90° | 187' | 57.0 | 100+05N | 400235 E | 2509 - 2529 |
| | | | | | 97+74 E | 5490326 N | |
| IXL03-1 | Oct 6-14/03 | 315°/-45° | 429' | 130.7 | n/a | 397837 E | 2531 - 2562 |
| | | | | | | 5488407 N | |

Table 5: Diamond Drill Hole Specifications

A total of 110 samples were collected from the drill holes, as listed above in Table 5 and shown on drill logs. Samples were split, with half of the core remaining in the box and the remaining half shipped to Acme Analytical Laboratories for assay. Core samples were analysed by Acme's Group 1DX method (a 0.5 g sample was analysed for 36 elements (including Au) by ICP/MS). Towards the end of the program, some samples were submitted directly for gold assay, with no multi-element analyses completed. Further details of the analytical procedure are contained in Appendix 4; complete analytical results are included in Appendix 8.

2.32

2.04

3.16

4.77

Banner Zone Figures 19 - 23

FR03-3

FR03-5

including

including

Holes FR03-1 to 8 were drilled on the Banner Showing where base and precious metal values occur in a quartz vein/silicified zones hosted by Franklin Group sediments and volcaniclastics near a limestone contact. Although trenching showed that the gold grade of the Banner vein was relatively low on surface, given the similarities to the Union vein, it was felt prudent to test the zone at depth for the possibility of an increase in gold grade at depth. Figure 19 shows the drill hole locations for these drill holes. The geology for the drill holes is shown in section view in Figures 20a - 23a, while sample locations and results are plotted on Figures 20b - 23b.

Hole FR03-1 was drilled easterly to test for a steep west dip to the silicified zone exposed in Trench 03-12 (see Section 6.0 of this report). The hole did not intersect the vein. Subsequent holes were drilled in a westerly direction, and have defined an orientation to the Banner zone of 280-300°/30-35°N. recognizable vein was intersected in holes FR03-to 7. The vein zone ranges up to 11 meters in true thickness where exposed on surface, but appears to pinch out rapidly at depth, as indicated by holes FR03-4 and FR03-8.

The mineralized zone consists of vein quartz and/or silicified host rock with up to 5% sulphides comprising pyrite, sphalerite, galena and chalcopyrite in decreasing order of abundance. Better gold values appear to coincide with higher concentrations of sulfides. Individual gold assays in drill core range up to 5.16 g/t; silver assays are low; copper ranges up to 0.57%, lead to 3.23%, and zinc to 4.77%.

| Hole # | From | То | Interval | Au | Ag | Cu | Pb | Zn |
|-----------|------|------|----------|------|-------|------|------|------|
| | m | m | m | g/t | g/t | % | % | % |
| FR03-2 | 20.3 | 26.5 | 6.2 | 0.44 | 17.95 | 0.22 | 0.20 | 0.99 |
| including | 23.2 | 23.5 | 0.3 | 2.0 | 37.6 | 0.51 | 0.59 | 3.94 |

5.3

0.2

4.0

The better gold values from the Banner drill holes are listed below:

24.6

21.4

34.0

19.3

21.2

30.0

33.0

| 34.0 | 1.0 | 5.16 | 32.3 | 0.42 | |
|----------|--------|-----------|-----------|---------|--|
| | | | | | |
| | | | | | |
| Table 6: | Summar | v of Banr | ier Drill | Results | |

0.73

3.23

2.34

29.6

31.2

0.33

0.41

0.23

0.65*

0.38

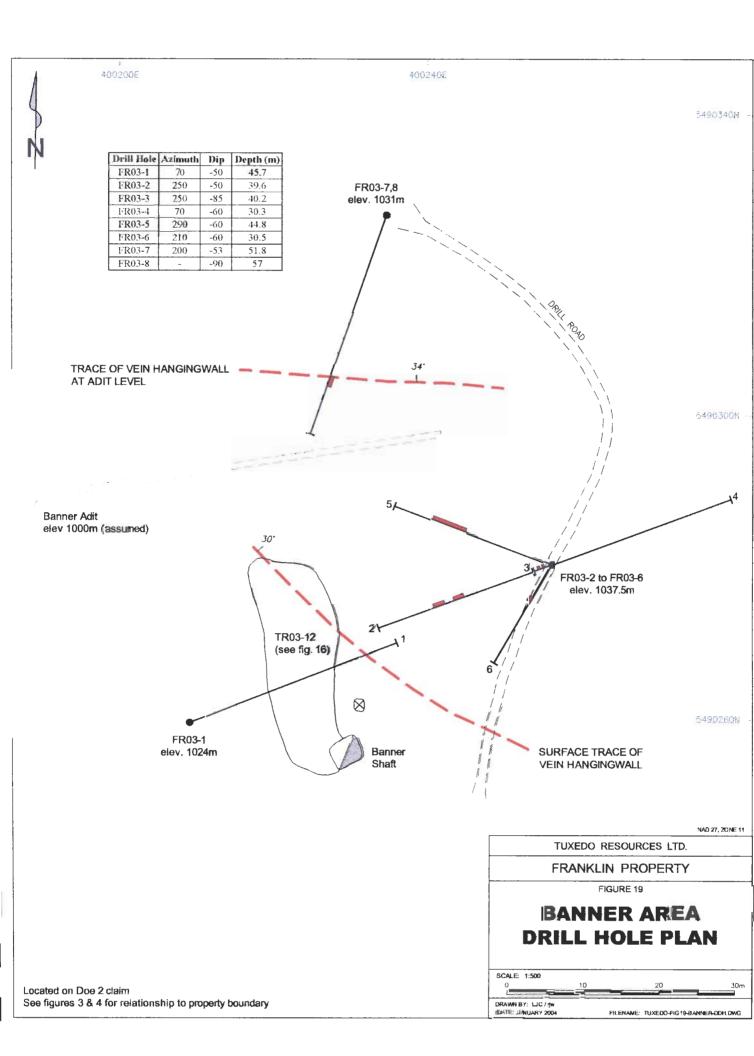
0.65

0.68

The full suite of multi-element analyses was done on only a portion of the Banner drill core samples. Mercury was elevated in samples from the Banner vein, to a maximum of 640 ppb Hg. Although trench samples did not show elevated arsenic values, arsenic was anomalous in some of the vein samples from drilling, to 1069 ppm As.

True widths of the intersections are considerably less than the core lengths. Since the values intersected are well below economic levels for this type of deposit and the vein appears to have limited vertical extent, no further testing of this showing is recommended at this time.

^{*} Note: Two samples within this interval did not have lead assays done to follow-up overlimit lead values by ICP. For these samples, a lead value of 1% is assumed. The average lead value for this interval is therefore only approximate.



IXL Zone Figures 13, 24

As described in Section 3.2 of this report, the IXL zone is located near the southwest corner of the Franklin property. Intense silicification and disseminated sulfide mineralization is associated with a feldspar porphyry intrusion into Franklin Group rocks. In 1969, Newmont carried out an extensive program of deep trenching in the area, and then drilled three diamond drill holes all of which crossed the silicified zone. The main target was a disseminated copper deposit. Newmont's trench sampling outlined a zone 70 feet long and grading 0.78% copper in one trench, with a second zone of 80 feet grading 0.33% Cu in the same trench. Elevated gold was associated with the central part of the zone. Unfortunately complete records for Newmont's work are available and it is not known whether the silicified zone was adequately sampled for gold. Rock sampling during 2003 showed a good correlation between gold and copper values in the IXL zone, with values to 4.3 g/t Au with 0.62%Cu and 3.03 g/t Au with 1.1% Cu from rock samples. A float sample from the area returned 8.6 g/t Au and 1.65% Cu.

Hole IXL03-1 in the current program was drilled at 045° /- 45° and spaced between the Newmont drill sections, as shown on Figure 13. Its location was selected so the upper part of the hole would test the mineralized felsic pyroclastics which lie SE of the ground tested by Newmont and the remainder of the hole would test the silicified zone primarily for gold.

A drill section showing the geology for Hole IXL03-1 is included as Figure 24a. Sample locations and results are included on Figure 24b. Only gold analyses were done on the IXL drill core; significant results are summarized below in Table 7.

| Hole # | From | То | Interval | Au |
|-----------|------|------|----------|-------|
| | m | m | m | g/t |
| IXL03-1 | 10.3 | 28.7 | 18.4 | 1.86 |
| including | 13.5 | 20.5 | 7.0 | 3.3 |
| and | 19.0 | 19.6 | 0.6 | 10.91 |
| and | 24.0 | 28.7 | 4.7 | 2.07 |

Table 7: Summary of IXL Drill Results

Only certain sections of the silicified zone below 28.7 metres were sampled. Assays ranged from 0.12 to 0.35 g/t Au. The gold values in the felsic pyroclastics are very significant and further testing of this rock is recommended.

8.0 RECOMMENDATIONS

Prospecting on Mt. Franklin in the area of anomalous gold-in-soils identified by a previous operator could not account for the anomaly and had led to the (preliminary) conclusion that the soil anomaly is spurious and perhaps caused by contamination from the sampler or the lab. The 2003 soil samples collected from the Mt. Franklin area were not analysed, because of budget constraints and before the "anomalous" area of gold-in-soils on Mt. Franklin is completely ruled out, these samples should be run to see if the gold values are reproducible. The possibility of Eocene epithermal gold mineralization is of such significance that it would be unwise to be overly hasty in dismissing this target. Eocene epithermal mineralization was discovered elsewhere on the property, but without significant gold values.

Thorough prospecting was carried out on the Franklin property, to locate, sample and give a preliminary assessment of all the high priority targets identified by the 2002 compilation program. Detailed geological mapping, rock and soil geochemistry, trenching and diamond drilling was done in the Homestake grid area to follow-up targets in this area. Many of the targets Homestake area and elsewhere on the property that had been identified by the 2002 compilation program were written off based the results of the 2003 exploration program. Two areas, the Union Mine and IXL, remain as high priority targets with good exploration potential.

Anomalous gold in pyritic chlorite-epidote-magnetite altered mafic volcanics was identified east of the 1969 Newmont trenches (70 feet @ 0.78% Cu and 80 feet @ 0.33% Cu). Values to 4.3 g/t Au, 7.3 ppm Ag and 0.64% Cu were returned from rock samples from this area, with results to 8.6 g/t Au, 14.2 ppm Ag and 1.6% Cu from float in IXL creek to the south. When drilling failed to return any encouragement from the Banner vein, the balance of the drill budget was spent drilling one hole in the IXL area. This drill hole returned 18.4 meters grading 1.86 g/t Au. No analyses for copper or silver was done on the 2003 drill core from the IXL. Further exploration of the IXL zone is strongly recommended to explore for bulk tonnage gold-copper mineralization.

Further exploration at the Union Mine is also recommended, to attempt to locate the faulted western extension to the system and to explore for possible parallel mineralized zones. Apart from minor rock sampling for geochemical purposes, no work was done at the Union Mine during 2003.

9.0 REFERENCES

The following includes a comprehensive listing of references for the Franklin property, as well as a selection of references relevant to the regional geological setting of the property. Not all of these references are specifically referenced in this report.

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10.0 STATEMENT OF QUALIFICATIONS

I, Linda J. Caron, certify that:

- 1. I am an independent consulting geologist residing at 717 75th Ave (Box 2493), Grand Forks, B.C., V0H 1H0
- 2. I obtained a B.A.Sc. in Geological Engineering (Honours) in the Mineral Exploration Option, from the University of British Columbia (1985) and graduated with an M.Sc. in Geology and Geophysics from the University of Calgary (1988).
- 3. I have practised my profession since 1987 and have worked in the mineral exploration industry since 1980. Since 1989, I have done extensive geological work in Southern B.C. and particularly in the Greenwood Grand Forks area, both for exploration companies and as an independent consultant.
- 4. I am a member in good standing with the Association of Professional Engineers and Geoscientists of B.C. with professional engineer status.
- 5. I carried out the geological field work on the Franklin property, as described in this report.

| 6. | I have no direct or indirect interest in the | e property described herein. | |
|------|--|------------------------------|--|
| | | | |
| | | | |
| | | | |
| | | | |
| Line | da Caron, M.Sc., P. Eng. | Date | |

APPENDIX 1

Rock Sample Descriptions

Samples 2301-2332, 2529, JK 001, JB 001-246, AE 004-007

| Sample # | Northing | Easting | Area | Type | Width | Description |
|----------|------------|---------|--------------------|------|-------|--|
| 2301 | 98+00N | 100+35E | Laura | grab | | grab from dump of shallow pit near end of road. Int silic'd, bx'd volc siltst? minor hem stain. |
| 2302 | 98+40N | 100+50E | Laura | grab | | intensely silic'd, bx'd, rusty siltst, patchy fine dissem py to 5%. Later white qtz veinlets cut silic'd |
| | | | | | | siltst. Grab sample from large scraped area at end of road. |
| 2303 | 98+00N | 106+25E | Mt. Franklin | grab | | glacial erratic boulder of white vuggy chalcedonic - sugary qtz vein, minor carbonate, minor qtz |
| | | | | | | druse, no sulfides. Boulder is 20x20cm. Sample for evid of glacial dispersion of geochem |
| | | | | | | anomalies. |
| 2304 | 100+50N | 100+85E | North Homestake | grab | | Prominent low angle fault zone exposed in series of pits. Select grab from dump of pit of v rusty, |
| | | | | | | bx'd, pyritic qtz/siliceous fine siltst. |
| 2305 | 100+50N | 100+65E | North Homestake | grab | | same structure as at 2305. Another pit structure trends 360 °/30°E with blocks of qtz (+ minor |
| | | | | | | carb) within fault and fine flt bx with milled qtz frags. Rx in hwall are unaltered grey-black |
| | | | | | | argillaceous siltst. Sample is select grab of qtz vein material from dump - very little py, no Fe ox |
| | | | | | | stain. |
| 2306 | 98+75N | 99+60E | Homestake | grab | | pit just below rd (3x3x2m deep) on bx'd bleached argillic + silic'd siltst. Local bx'd qtz vein with |
| | | | | | | minor fine grained patchy py on dump. Sample is vein material from dump. |
| 2307 | 101+00N | 101+75E | North Homestake | grab | | Several old pits/trenches this area + drill hole collars 94NHO2,3. Rusty silic bx'd siltst. Siliceous |
| | | | | | | crackle bx healed fault zone with 2-5% brassy diss py trends 060°/40°SE. Sample of fault bx from |
| | | | | | | dump. Bx has 50% 2-4 mm angular clasts of grey-buff int silic'd siltst with finely crushed |
| | | | | | | granular qtz-siliceous siltst matrix. |
| 2308 | 100+95N | 101+10E | North Homestake | grab | | Old trench with sample flag JSK#4 (Kermeen high grade sample). Difficult to see controls to |
| | | | | | | silic'n and minz'n. Massive v silic rusty pyritic siltstone in hwall of siliceous bx'd fault/crush |
| | | | | | | zone, appears to trend $060^{\circ}/20^{\circ}$ E. Sample 2308 is a select grab from the trench dump of rusty, |
| | | | | | | vuggy silic bx. |
| 2309 | 100+95N | 101+10E | North Homestake | grab | | Same as 2308, but sampled 060°/20°E crush zone in place in trench. Can't see true width of zone. |
| | | | | | | |
| 2310 | 101+50N | 101+50E | North Homestake | grab | | 3-4 metre deep shaft/pit (3m x 3m) on 020°/90° structure. Rusty int silic'd bleached, crackled bx |
| | | | | 8 | | zone (almost a true "vein"). Steep tight structure - not a crush zone. |
| 2311 | 102+25N | 101+25F | North Homestake | grab | | deep trench exposes wide hem bx crush zone in purple-green ep-hem alt'd volvanics. No sense of |
| 2311 | 102 2311 | 101+231 | 1 vorum 110mestake | Siuo | | orientation of structure causing bx/crackling. Sample is grab from trench wall. |
| 2312 | 101+60N | 101+70E | North Homestake | grab | | deep old trench dug on qtz vein (silic shear vein/zone) in rusty silic'd bx'd fine grained siltstone. |
| 2012 | 101.001 | 1011702 | 1,01,01 | Simo | | Vein trends 360°/40°W, true width ~1-2 m (not well exposed). 5% fng sulfides (brassy py + black |
| | | | | | | ?) as fine grained patches. Minor mal + Mn stain. Footwall of vein is bx'd volcanics. Hwall is Fe |
| | | | | | | ox stained, silic, bleached siltstone. Vein grades into intensely silic'd hwall - hard to define upper |
| | | | | | | contact. |
| 2313 | 101+60N | 101+70F | North Homestake | chip | 1 m | same as 2312. Chip sample across 1 m of vein. |
| | | | North Banner | grab | 1 111 | Select grab from dump of North Banner pit. Sample is bleached, white qtz (& minor carb) to |
| 2311 | 10210011 | 771202 | 1.01m Damie | 5.40 | | intensely silic'd bx, strong Fe ox stain, 2% fine black sulfide bands and patches, minor vuggy |
| | | | | | | cavities, minor mal stain. |
| I | | 1 | | | 1 | Currico, minor mur sum. |

| Sample # | Northing | Easting | Area | Type | Width | Description |
|----------|----------|---------|---------------|------|-------|--|
| 2315 | 102+05N | 99+20E | North Banner | chip | 2 m | chip sample across N wall of pit. White qtz - intensely silic'd bx vein. |
| 2316 | 102+25N | 99+80E | North Banner | grab | | subdued small moss covered outcrop of qtz-intense silic'n with minor patchy oxid sulfides. Strong |
| | | | | | | fracture on edge of o/c may be vein contact @ 065°/50°NW. |
| 2317 | | | Maple Leaf??? | grab | | float near trailer at No. 4 portal to Union Mine, but possibly from Maple Leaf. Strong mal stain |
| | | | • | | | and 2% coarse patchy cpy in bladed Kspar syenite. |
| 2318 | | | Union Mine | grab | | massive white quartz with strong Fe ox on weathered surfaces and with 5% patchy coarse py. |
| | | | | | | From dump below rail spur. |
| 2319 | | | Union Mine | grab | | massive crackled grey-green tinged qtz + minor carb. Trace py, no Fe ox stain. From road level |
| | | | | | | near rail spur. |
| 2320 | 95+10N | 102+70E | Franklin Mtn. | grab | | Weak clay alt'd, white-pale green, qtz-feldspar-biotite phyric intrusive, or possible very immature |
| | | | | | | arkose. 5% qtz eyes to 4 mm. |
| 2321 | 97+75N | 100+20E | Laura | grab | | Numerous pits this area on very fine grained, siliceous, white-pale grey, cherty siltstone. Silic'd, |
| | | | | | | bx'd, rusty weathering, 5-10% diss py. Sample is grab from dump of pit. |
| 2322 | 98+00N | 97+20E | Bullion | grab | | Grab sample in place in second pit east of road (JB 018 is from pit nearest road). Intensely |
| | | | | | | siliceous, white-grey, very fine grained cherty siltstone with clots of fine grained py + black |
| | | | | | | sulfides to 5-10%. Strong Fe ox on weathered surfaces. |
| 2323 | 100+90N | 98+75E | Banner area | grab | | Quartz outcrop on steep slope between Banner and North Banner showings. Massive, white |
| | | | | | | brecciated quartz. |
| 2324 | 99+50N | 97+18E | Banner | grab | | Rotten white quartz with moderate malachite stain from dump of old pit by road to Banner shaft. |
| 2325 | 99+70N | 97+30E | Banner | grab | | Dump at Banner shaft. Pick of galena-sphalerite rich quartz vein from dump. Massive white- |
| | | | | | | grey quartz with up to 10% galena + sphalerite, very select grab. Banner vein trends ~ |
| | | | | | | 155°/60°?N, up to 7 m wide exposed in trench in dump. Massive and locally strongly bx'd quartz |
| | | | | | | vein, with local bands of late crystalline quartz vein. Sphal-gal may be associated with late |
| | | | | | | xtalline qtz. |
| 2326 | 99+70N | 97+30E | Banner | grab | | Dump at Banner shaft. Grab sample of white, rusty, bx qtz with mod Fe stain and mod mal stain, |
| | | | | | | minor py, cpy. |
| 2327 | 99+50N | 96+75E | Banner | grab | | Start of old adit on 0.5 m rusty low angle shear zone trending ~ 340 °/30° SW (poss same structure |
| | | | | | | as at Banner adit portal). V strong Fe ox, bx'd broken fng volc siltstone. Second trench ~ 10 m to |
| | | | | | | N. |
| 2328 | 98+20N | 95+80E | S of Bullion | grab | | Select grab of qtz-py veinlets and clots in v broken, fng bleached volc siltstone. At ~ right strat |
| | | | | | | position to be footwall to Lamefoot horizon, but more likely related to intrusive contact. |
| | | | | | | |
| 2329 | 102+80N | 100+80E | Deadwood | grab | | large o/c 5+ meters, of massive white qtz at end of road, outcrops of qtz and silic'd, cherty bx'd |
| | | | | | | siltstone go for another 30+ meters SE from here. Sample is a grab from bx'd massive white |
| | | | | | | quartz at base of outcrop. Can't tell trend of zone. |

| Sample # | Northing | Easting | Area | Type | Width | Description |
|----------|----------|---------|----------------|------|-------|---|
| 2330 | 104+25N | 104+10E | North Deadwood | grab | | old pit on v steep hillside just below edge of clearcut, massive white quartz/silic'n in limestone. |
| | | | | | | Trace mal stain. V minor to nil sulfides. Trend of quartz is ~360°, see qtz o/c downhill to N. |
| 2331 | 104+30N | 99+10E | Aldie | grab | | large old pit in forested area NW of North Banner pit. Several other pits to SE of here. |
| | | | | | | Crystalline quartz veining and silic'n in dirty limestone, minor (<3%) sphal-gal-cpy, minor mal |
| | | | | | | stain. Possible minor brown garnets. Looks weakly skarny. |
| 2332 | 103+50N | 106+00E | North Deadwood | grab | | area of subcrop near N edge of logging slash, below road. White-pale green, bleached looking, v |
| | | | | | | hard, silic'd. Hard to tell what protolith is - may be Kettle River immature arkose, but sometimes |
| | | | | | | looks intrusive. Prominent quartz eyes (or grains) and irregular patches of finely granular quartz |
| | | | | | | in a fine grained siliceous groundmass with irreg chl alt'd mafic remnants. Protolith could be |
| | | | | | | same as sample 2320. |

JB- and AE- Series Rock Sample Descriptions

Note: GPS locations are Nad 27.

| Sample # | Location | | Description |
|----------|----------|----------|---|
| • | Easting | Northing | 1 |
| JB 001 | 399712 | | McKinley area. 0.4 m vein? in limestaone adjacent to magnetite. Sphal, cpy, mal, azurite. |
| JB 002 | 399768 | 5488305 | McKinley area. Skarn adjacent to magnetite body. 35% py. |
| JB 003 | 399768 | 5488305 | same loc as JB 002. Py rich magnetite ore. 2.5 m wide. |
| JB 004 | 399768 | 5488305 | same loc as JB 003. Massve Fe-magnetite with 1.5 cm qtz veinlet. |
| JB 005 | 399768 | 5488305 | same loc as JB 003. Pyritic, blackish, + cpy, magnetite. |
| JB 006 | 399768 | 5488305 | same loc as JB 003. Massive magnetite. |
| JB 007 | 399687 | | McKinley area. Old trench upslope from JB 002-6, with py-sphal-cpy in skarny rx. Mag-cpy in 1.5 m "vein". "Vein" is weak-mod magnetic, traced for 5 m @ 270°. Steep dip on limestone contact. |
| JB 008 | 399687 | 5488276 | same loc as JB 007. Massive py. |
| JB 009 | 399677 | | from dump of trench as in JB 007-008. Py, cpy, sphal. Calcite bands. |
| JB 010 | 399677 | | same loc as JB 009. Sphal, cpy, py in silic'd ?? |
| JB 011 | 399564 | 5488272 | at McKinley gossan. Massive sulfides. |
| JB 012 | 397677 | | IXL area. Semi massive sulfide float train in creek/old road. |
| JB 013 | 397689 | 5488477 | IXL area. Galena-py-sphal in vein - qtz in limey rx. Float at Trench 4? Many blackish sulfide rich Cu stained boulders look very similar to rocks at McKinely property. |
| JB 014 | 397780 | 5488547 | IXL area - Trench 3? Well fractured, gossanous, pyritic porphyritic intrusive. |
| JB 015 | 397780 | 5488547 | IXL area - same loc as JB 014. Pyritic felsic fractured intrusive. |
| JB 016 | 397780 | 5488547 | IXL area. 20 m NW of JB 014-15. More propylitic than above. Sulfides + chlorite, intrusive. |
| JB 017 | | | Bullion pit. Jarosite, poss Hg rich. Vuggy qtz vein from dump of working. |
| JB 018 | | | 10 m NW of JB 017. Pyritic qtz vein from dump. Sphal, py in qtz. |
| JB 019 | 400227 | 5490272 | Banner. Epi qtz texture. Rusty vuggy qtz. |
| JB 020 | 400227 | 5490272 | Banner, same loc as JB 019. Vuggy epi qtz. |
| JB 021 | 400227 | 5490272 | Banner, same loc as JB 019. Sphal-gal-py-cpy qtz vein from dump. |
| JB 022 | 400410 | | Homestake. Recemented crushed qtz vein, grey + white, qtz-calcite, very fine sulfides, cpy-gal. |
| JB 023 | 400410 | 5490450 | Homestake. Same loc as JB023. Unidentified sulfides - gal-sphal-cpy in grey-white qtz from dump. |
| JB 024 | 402340 | 5490272 | Union dump. gal-sphal-cpy in greyish qtz matrix. |
| JB 025 | 402340 | 5490272 | Union dump. Same loc as JB 024, lower portal. Recemented qtz vein, greygreen, cpy. |
| JB 026 | 401858 | 5490885 | Maple Leaf. Old digging with epi qtz veinlets + cpy dissem and veinlets. Sample is epi qtz, cpy-mal-az in carb altd syenite? |
| JB 027 | 401858 | 5490885 | Maple Leaf. Same loc as JB 026. Epi qtz vein, approx 2-3 cm in carb alt'd syenite? |
| JB 028 | 401810 | 5490843 | Maple Leaf. Cu syenite/pyrox float. |

| JB 029 | 401899 | 5490721 | Maple Leaf. Cu syenite/pyrox from dump. |
|--------|--------|---------|--|
| JB 030 | 401899 | | Maple Leaf. Pyroxenite with cu from pit. |
| JB 031 | 397780 | | IXL. Old shaft in clearcut. Silic'd pyritic intrusive. |
| JB 032 | 397780 | 5488412 | IXL. Same loc as JB 031. Pyritic, some vein qtz, silic'd intrusive from above shaft. |
| JB 033 | 397659 | 5488354 | IXL area. Py+cpy rich bleb/vein in Franklin rx. |
| JB 034 | 397812 | 5488488 | IXL area - V1 target. Very pyritic silic'd intrusive. |
| JB 035 | 397959 | 5488656 | IXL area. Chlorite-epidote + qtz-calcite veins, Franklin? From old dump close to skarn (60 m). |
| JB 036 | 397999 | 5488661 | IXL area. Silic Franklin seds, propylitic, py+qtz. Trench. |
| JB 037 | 400787 | 5492175 | Glouchester area. "A" pit on Glouchester. Sample from vein in pit. Magnetite, py, cpy in intrusive shear. |
| JB 038 | 400787 | 5492175 | Glouchester area. Same loc as JB 037. Less magnetite, more qtz + py, cpy. |
| JB 039 | 399657 | | Jimmy area. Sooty crushed argillite, some py, from trench. |
| JB 040 | 400875 | 5492177 | Glouchester area. Small trench with magnetite, py, cpy veinlet. |
| JB 041 | 400759 | 5442113 | Glouchester trench. Py, cpy, minor magnetite. Not much of this material laying around. |
| JB 042 | 399619 | 5490559 | Homestake area. Partially silic'd, well fractured Franklin Group. Rusty outcrop. |
| JB 043 | 399678 | 5490687 | Jimmy. Dump at Jimmy vein shaft. Partially silic'd, qtz frags, rusty siltstone, minor py. Appear to be > 10 m wide, poss 20. |
| JB 044 | 399676 | 5490719 | Jimmy area. Pyritic, not totally silic, banded siltstone, from trench. |
| JB 045 | 399705 | 5490618 | Trench. Sugary, silic, fractured siltstone, partially silic'd small fissures Fe rich. |
| JB 046 | 399705 | 5490618 | From Trench at JB 045, plus 15 m south. Sheeted sugary 2 mm qtz vein in siltstone. |
| JB 047 | 399634 | 5490719 | Skarn? horizon on contact between Fa unit and limestone, approx 2 m wide. Gal-sphal-minor cpy. Trends E-W? |
| JB 048 | 399681 | 5490700 | 8 m wide silic'd band siltstone, not complete silic'n. Minor py. Not much actual veining. Runs @ 320° and is target of small adit 30 m south of sample. |
| JB 049 | 399681 | 5490700 | Jimmy adit. 20 m at 320° from JB 048. Difficult to sample. Recemented qtz+calcite, some Fe staining, minor py. |
| JB 050 | 399840 | 5490599 | GPS location suspect. Qtz vein in silic'd seds at top of conspicuous cliff on L 105. Rusty weathering. Vein approx 20 cm wide, approx strike 270°. |
| JB 051 | 399838 | 5490592 | Composite sample from 2 veinlets 4 m apart. Py-mal, more calcite rich, some rusty weathering. These 2 samples in a zone of intermittent silica area. Resembles calc rich portion of Banner vein, approx 8 m wide, cliffs out to W. |
| JB 052 | 399835 | 5490608 | Approx 40 metres along strike of vein. "Banner" style calcite rich, sphal-cpy. |
| JB 053 | 399762 | 5490649 | Old pit, approx on strike of vein in JB 052. Fairly deep, long trench, following vein at $\sim 300^{\circ}$. Sample is sphal-gal calcite-qtz from vein and dump. |

| JB 054 | 399762 | 5490649 | Same loc as JB 053. More silica + py. |
|--------|--------|----------|--|
| JB 055 | | | Homestake area. Target M. L 106+50N, 98+75E(?) (or 25E?). No GPS loc |
| | | | here. Limestone-Franklin sed contact. Rusty pyritic seds. |
| JB 056 | 399957 | 5490861 | Old digging in limestone. Epidote rich, more silic than usual, weakly |
| | | | magnetic. Epi qtz float 20 m east of above, sampled as JB 056. |
| JB 057 | 400047 | 5491121 | Adit at confluence of Twin Creek. Gossan. Franklin seds + volc, sulfide rich |
| | | | horizon? Dump sample. Adit mostly caved. |
| JB 058 | 400199 | 5490957? | North Banner pit. Gal-sphal-py in qtz-calcite epi vein from dump. |
| JB 059 | 400199 | 5490957? | North Banner pit. Cpy-gal-sphal in qtz-calcite vein from dump. |
| JB 060 | 400199 | 5490957? | North Banner pit. More calcite, vuggy, gal-sphal from dump. |
| JB 061 | 400125 | 5490713 | Aldie. Qtz-clast silic limesone, py-cpy, from dump. Strong resemblance to |
| | | | Union material. |
| JB 062 | 400125 | 5490713 | Aldie. Qtz-clast silic limestone, various sulfides. From dump. |
| JB 063 | 400261 | 5490603 | Collection of chips over 20 m length, Frank seds, epi bx very weak. Same |
| | | | loc as 2316. |
| JB 064 | 400438 | 5490598 | North Homestake. Vein qtz from pit, Gal-sphal-cpy, rusty. |
| JB 065 | | | L 103+5N, 99+15E, no GPS position. Common calc seds, very minor Si, |
| | | | outcrop. |
| JB 066 | 400129 | | Partially silic'd limestone, suspect fine gal. Outcrop. |
| JB 067 | 400011 | | 1? m wide limey qtz vein, bland looking, trends E-W? |
| JB 068 | 400002 | 5490744 | Another (or same) vein, seems to go 320°. Gal-cpy, qtz-calcite. Note this |
| | | | vein system has had no work done on it, hosted by congl with vein of black |
| | | | limestone nearby. L 105N, 98+75E. |
| JB 069 | 400017 | 5490780 | Picked up vein again to NE. |
| JB 070 | | | Silic'd limestone, gal-py. Too steep for GPS, just W of baseline at about |
| | | | L106+15N, 99+40E. |
| JB 071 | | | Same loc as JB 070. Qtz vein in limestone. Brittle, buff weathered, 25% qtz. |
| | | | |
| JB 072 | 399999 | | Silic limestone outcrop on road, py-cpy. |
| JB 073 | 399999 | | Same loc as JB 072. Silic siltstone on top of above. Py stringers. |
| JB 074 | 400297 | 5491313 | Pyrrhotite-py-cpy in skarny matrix, old pit - collapsed. Skarn ~ 4 m wide? |
| | | | Appears to be a low angle fault in top of pit, syenite contact is within 10 |
| | | | metres. |
| JB 075 | 400297 | 5491313 | Much the same as JB 074. Both rx may have arsenopyrite in them as well. |
| | | | Some rx are strongly magnetic. |
| JB 076 | | | L 108N, 104E, float with bornite + cpy, magnetic. |
| JB 077 | 399694 | 5490951 | Qtz-py-cpy in volc seds at corner of road, just N of baseline trail corner. |
| ID 070 | 200704 | £4000£1 | Compa log on ID 077. Other company and the state of the s |
| JB 078 | 399694 | | Same loc as JB 077. Qtz-cpy=py in calc volc seds. |
| JB 079 | 400122 | | Homestake I target. Partially silc'd limey siltstone, some py. |
| JB 080 | 400180 | 3490845 | Vein system, strikes N-S. 4 m wide qtz vein, and another smaller vein. |
| JB 081 | 400180 | 5400045 | Sample JB 080 is from smaller vein. Same as JB 080. |
| | • | | |
| JB 082 | 400214 | 3490833 | Followed float to small pit. Vein system in outcrop is 2 m wide, but float can be found up to 4-5 meters distant. Gal-py-qtz. |
| | | | be round up to 4-3 meters distant. Gar-py-qtz. |

| JB 083 | 400214 | 5490833 | Same loc as JB 082. Dirty, somewhat rusty, crumbly, ugly, weak bx, from 5 m west of vein in float. |
|--------|--------|---------|---|
| JB 084 | 400214 | 5490833 | Same loc as JB 082. Massive siliceous epidote-chlorite skarnish seds from vicinity of pit. |
| JB 085 | 400287 | 5490861 | Two very small pits with plain vein qtz + silic host rock. |
| JB 086 | 400268 | 5490656 | Partially silic'd siltstone, minute qtz stringers, composite sample on silic ridge. |
| JB 087 | | | L 104+50N, 103+50E. Silica rich pyroxenite skarn? sphal + qtz, hem, some magnetite here. |
| JB 088 | 400366 | 5490949 | Cruddy, dead looking but with some qtz. Very dirty, limey. |
| JB 089 | 400441 | 5491011 | Epi qtz bx in limestone from dump. Cpy + Si. Followed vein approx 35 meters @ 40° . Strong bx + Si, but outroop disappears. |
| JB 090 | 400589 | 5491052 | Cruddy looking but slightly silic'd, crushed looking Franklin rocks. |
| JB 091 | 400320 | 5490903 | Target N. Limestone, appears to have sphalerite. |
| JB 092 | 400325 | 5490910 | Weak zone of Si infusion into limestone. Qtz-cal lattice work, not fully penetrating rock, approx 1 m wide. |
| JB 093 | 400259 | 5490847 | Followed limestone W across gully. Found flat lying 15 cm wide vein, galcpy, crushed, recemented look + plain silicification in limestone. Sample consists of both. |
| JB 094 | 400148 | 5490612 | NW of North Banner. Limey lense + partially silic'd clastic rock. |
| JB 095 | 400160 | | Cu + qtz-calcite in limey conglom outcrop. This may be fairly wide system. |
| JB 096 | 400134 | 5490633 | 12 m west of JB 097. Fe carb alt'd arkose? some Si. |
| JB 097 | 400134 | 5490633 | Cpy-gal in calc-Si vein. No guess as to width. |
| JB 098 | 399806 | | Vuggy, whitish, somewhat silic limestone float. |
| JB 099 | 399919 | 5490807 | Poss sphal (weak) in limestone. |
| JB 100 | 399968 | 5490811 | Large pit, poss continuation of veins up hill. Si + calcite, cpy-mal-az from pit. |
| JB 101 | 399968 | 5490811 | Same loc as JB 100. Mostly grey Si, yellowish stain, hem-limonite, fairly massive rock, from pit. This is a large impressive digging. |
| JB 102 | 400134 | 5490633 | Same loc as JB 096. Whitish qtz-calcite, minor sulfide, minor dendrites. |
| JB 103 | 400176 | 5491374 | In vicinity of Target Q. Pyritic silic siltstone outcrop in gully. |
| JB 104 | 400320 | 5490509 | Qtz vein, 340°, visible for 12 m, poss flat lying. |
| JB 105 | 400222 | | Chloritic silic intrusive dyke?, py, in road cut. |
| JB 106 | 400222 | 5489002 | "Milled" chloritic-calc greenstone, some Si + py, road cut, 10 meters NW of JB 105. |
| JB 107 | 400222 | 5489002 | 20 m NW of JB 105. Chloritic, sheared calc greenstone, py. |
| JB 108 | 400222 | 5489002 | 35 m NW of JB 105. Not sure if silic'd limestone or chert or both. Minor sulfides. Very minor Cu staining. Along road cut. |
| JB 109 | 400158 | 5489056 | Black and white banded limestone with silicified bands with pyrite. Road cut. |
| JB 110 | 400158 | 5489056 | 15 m NW along road from JB 109. Rusty bits of qtz-calcite veining in blackish limestone, unidentified sulfide. |
| JB 111 | 400158 | 5489056 | 30 m NW of JB 110. Massive silic limestone - skarn? Road outcrop. |
| JB 112 | 400116 | | Pyritic limestone outcrop, NW end of road sampling. |
| JB 113 | 400175 | | Light coloured banded partially silic limestone. |

| JB 114 | 400175 | 5489040 | Same location as JB 113. Dark coloured chloritic calc-silicate, py, |
|--------|--------|---------|--|
| JB 115 | 400030 | | Py-cpy in chert/silic limestone. Massive britte. |
| JB 116 | 400887 | | Road cut. Crushed looking calc rock in Franklin seds. Py. |
| JB 117 | 400357 | | Homestake O target. Weak veinlet in Franklin seds. Subcrop downslope 70 |
| | | | m from Homestake pit. |
| JB 118 | 400557 | 5490481 | Target U, underlain by siltstone, Minor Si intrusion, a little hem + py, < 1 |
| | | | mm? stringers of Si. |
| JB 119 | 400412 | 5490534 | Old digging. Particularly unattractive, may have been an attempt to access |
| | | | vein. Sample upslope as 2305. Limey slightly silc rx, similar to Homestake- |
| | | | Union material, very minor py. |
| JB 120 | 400172 | 5490703 | Basic sharpstone conglomerate. |
| JB 121 | 400145 | 5490622 | Cu stained, rusty (Banner style) vein. Not sure if this is in place. This |
| | | | material is approx 30 m upslope of JB 097 which is outcrop. Host rocks are |
| | | | mixed arkose-conglom. |
| JB 122 | 402148 | 5491951 | Qtz-albite(?) veins in tuff. |
| JB 123 | 402148 | 5491951 | Same loc as JB 122. Epi qtz veins in tuff. |
| JB 124 | 402148 | 5491951 | Same loc as JB 122. Fluorite-qtz+celadonite veinlets in tuff. |
| JB 125 | 402207 | 5491874 | Float. Qtz vein in tuff? grit? Fluorite + Si. |
| JB 126 | 402278 | 5491974 | Old trench, propyllitic sandstone, rusty, some qtz + py. |
| JB 127 | 402311 | | Felsic, sugary, many micro fractures, hem. From pit. |
| JB 128 | 402311 | | Same loc as JB 127. Epidote, lots py, some cpy. Propyllitic volc, from old |
| | | | pit. This hillside is riddled with diggings. |
| JB 129 | 402345 | 5492002 | Adit. Some qtz, mostly magnetite, pyrrhotite + py. |
| JB 130 | 402345 | | 30 m at 240° from previous sample. Pit. Pyrrhotite, py, poss arsenopy-py. |
| | | | Appears to be volc in sandstone. Very py-po, some magnetite rich. |
| | | | |
| JB 131 | 402369 | 5492047 | Altered volc, poss rhyolite dyke, suspect potassic alt'n. Outcrop along road. |
| 101 | .02009 | 0.520.7 | sales to the possessing sales against a substance at the sales are the s |
| JB 132 | 402125 | 5492393 | Mid Road showing (vg noted in this showing, along road). Epi qtz vein. |
| JB 133 | 402125 | | Same loc as JB 132. Mostly massive felsic rhyolite? Minor epi qtz vx, some |
| | | | vugs. |
| JB 134 | 402125 | 5492393 | Same loc as JB 132. Qtz vein in 1 piece, mild bx in another. |
| JB 135 | 402125 | 5492393 | Same loc as JB 132. Epi qtz vein, slighly rusty. |
| JB 136 | 402125 | 5492393 | Same loc as JB 132. Epi qtz vein, whitish. |
| JB 137 | 402125 | 5492393 | Same loc as JB 132. Same as above. |
| JB 138 | 402125 | 5492393 | Same loc as JB 132. Samples are spread over 50 m width of subcrop. JB |
| | | | 138 is vein qtz, sugary crystalline, some rusty weathering. |
| JB 139 | 402125 | 5492393 | Same loc as JB 132. Pyritic epi-qtz vein. |
| JB 140 | 402125 | 5492393 | Same loc as JB 132. Silic sericite massive sed (could be dyke?) |
| JB 141 | 400775 | 5491247 | Old trench. Rusty syenite, epi bx, hem, some vugs. |
| JB 142 | 400825 | 5491204 | Alpha road showing. Select sample. Qtz veining, bx, cpy-py. |
| JB 143 | 400465 | 5489528 | Rusty zone in Franklin seds, vuggy, lots of hem, a little qtz, approx 3 m wide. |
| | | | (Target C) |
| JB 144 | 400403 | 5489661 | Rusty banded Franklin seds. |
| JB 145 | 400574 | 5490036 | Small pit where road forks. Epi qtz vein, whitish qtz + some banded looking |
| | | | material, small. |
| | - | | |

| JB 146 | 400590 | 5490114 | Dug up from road bed, pyritic silic Franklin seds. | | | | | | |
|------------------|--------|-----------|---|--|--|--|--|--|--|
| JB 147 | 400580 | | Back in vicinity of Target C. Small pit. Rusty partially silic'd sandstone. 3 | | | | | | |
| 17/ | 700500 | 5 10/5/25 | m wide rusty band. | | | | | | |
| JB 148 | 401984 | 5489768 | Qtz-calc bx/congl in sulfide rich outcrop on road. | | | | | | |
| JB 149 | 401984 | | Same loc as JB 148. Pyritic volc, light coloured, jarosite vugs. | | | | | | |
| JB 150 | 401984 | | 25 m W of JB 149, on road cut. Gry cherty seds, qtz-calcite. | | | | | | |
| JB 150 JB 151 | 402311 | | Small digging in Marron grit-tuff? Minor Si. | | | | | | |
| JB 151 | 402095 | | Mid Road Showing (vg showing). Old digging 20 m above road, mostly | | | | | | |
| JD 132 | 402073 | 3472333 | pyrrhotite + minor mag in intrusive. | | | | | | |
| JB 153 | 402095 | 5492355 | Same loc as JB 152. Beautiful py + epi qtz bx, well brecciated, sulfide | | | | | | |
| | | | "clasts". | | | | | | |
| JB 154 | 402095 | 5492355 | Taken 30 m SE of JB 152 pit, silic intrusive, hem spots. Fault in gully. | | | | | | |
| JB 155 | 402095 | | Rusty + yellowish altered (poss potassic) intrusive? Same location as JB | | | | | | |
| | | | 154. | | | | | | |
| JB 156 | 402907 | 5490922 | Qtz carb bx zone along road east of Glouchester creek. Epi qtz carb | | | | | | |
| | | | limonitic bx in road cut. | | | | | | |
| JB 157 | 401411 | 5492843 | Target F. Cpy-py + minute stringrs in slightly chloritic + silic intrusive. | | | | | | |
| JB 158 | 401461 | | Target F. Rusty syenite. | | | | | | |
| JB 159 | 401461 | | 20 m east of JB 158. Grey potassic syentie? | | | | | | |
| JB 160 | 401442 | 5492881 | Target F. Rusty pyritic syenite, small 4 cm vein. | | | | | | |
| JB 161 | 401361 | | On upper switchback. Pyrite + Si in outcrop in road cut. | | | | | | |
| JB 162 | 402546 | | Eocene black matrix bx/conglom. Qtz eyes in matrix, at bend in road. | | | | | | |
| JB 163 | 402731 | | Target H, west side Glouchester Creek. Minute veinlets in carb alt'd | | | | | | |
| | | | intrusive under tree roots. | | | | | | |
| JB 164 | 403017 | 5491791 | Target H, cont. E side creek. 3 cm qtz vein in qtz-carb alt'd intrusive. | | | | | | |
| JB 165 | 403042 | 5491634 | Target H cont. Felsic, biotite gone, carb alt'd intrusive. | | | | | | |
| JB 166 | 402914 | | Road cut. Epi qtz bx in carb intrusive. | | | | | | |
| JB 167 | 402914 | 5491084 | 12 m south of JB 166. 10 cm wide qtz vein in road cut. Strikes 320/90. | | | | | | |
| | | | Other veins in outcrop strike 40°. 3 x 1 cm veins over 1 m width. | | | | | | |
| JB 168 | 402914 | 5491084 | Same loc as JB 167. Sample of 40° vein, 1.5 cm wide. Alteration halos | | | | | | |
| | | | extend out 15 cm from veinlets. | | | | | | |
| JB 169 | 402380 | 5492004 | Small pit, porph, py+qtz, very rusty intrusive. | | | | | | |
| JB 170 | 402980 | | epi qtz vein in road cut | | | | | | |
| JB 171 | 402795 | | at pit by road near camp. Qtz (minor) + calcite, sulfide specs in a chaotic | | | | | | |
| 1 | | | recemented volc | | | | | | |
| JB 172 | 402795 | 5490334 | same as JB 171 | | | | | | |
| JB 173 | 400193 | 5490535 | 15 cm qtz vn trends 240°/90 | | | | | | |
| JB 174 | 400193 | 5490535 | 20 m along slope from JB 173, qtz lense in limey seds, whitish, dirty, minor | | | | | | |
| | | | vugs, calcite. | | | | | | |
| JB 175 | 400193 | 5490535 | 15 m NW of JB 173, cherty silic limey seds. | | | | | | |
| JB 176 | 401134 | | fine veinlets in intrusive, qtz, poss Kspar alt'n, old pit. | | | | | | |
| JB 177 | 401192 | | qtz vein in dyke(?), qtz porph dyke | | | | | | |
| JB 178 | 400927 | | sheared qtz-calc pyritic fsp porph | | | | | | |
| JB 179 | 400878 | 5488688 | road cut, milled, crushed, re-cemented calcite-silica lens-vein in fsp porph | | | | | | |
| | | | rock, py + cu minerals. These rocks bear a strong resemblance to the Union | | | | | | |
| | | | and Homestake rocks but less Si. | | | | | | |
| | · | | | | | | | | |

| ID 100 | 400070 | 5 400600 | 1 ID 170 11 11 11 11 11 11 11 11 11 11 11 11 11 | | | | | |
|--------|--------|-----------------|--|--|--|--|--|--|
| JB 180 | 400878 | 5488688 | same loc as JB 179, very similar to Union-Homestake. Felsic, whitish, | | | | | |
| ID 101 | 400070 | 5 400600 | calcite-silica, diss py + cu minerals. | | | | | |
| JB 181 | 400878 | | 12 m east of JB 179, road cut, silica-py rich sed. | | | | | |
| JB 182 | 400878 | | same loc as JB 181, cruddy qtz-cc-fluorite epithermal bx in arkose (?). | | | | | |
| JB 183 | 400297 | | lower road, silic limestone?, epithermal qtz, angle wing fabric to qtz. | | | | | |
| JB 184 | 397673 | 5488448 | hem-chlorite py skarn, massive, subcrop. | | | | | |
| JB 185 | | | upper road cut, Eocene conglom from road cut approx 1 km NNW of Laura showings. Fe stained. | | | | | |
| JB 186 | 401979 | | old pit, Maple Leaf crush zone. Very fine py in pinkish syenite. | | | | | |
| JB 187 | 401930 | 5490898 | Maple Leaf crush zone. 3 cm qtz veinlet with lots Cu staining, old road cut, E-W strike, steep NE dip. Old sample #3375 here. | | | | | |
| JB 188 | 401842 | 5490403 | Maple Leaf crush zone. Abundant silic'n + veining over a 20 m width, qtz is whitish, lacking the grey qtz + sulfides at the Union. Same is chip sample over 3 m of outcrop. Could be one E-W vein, 3-4 m wide. | | | | | |
| JB 189 | 401842 | 5490403 | same as JB 188. 3 m chip sample. | | | | | |
| JB 190 | 401784 | 5490476 | poss same vein as JB 188, 189, along strike. From pit 40 m S of Maple Leaf cabin. | | | | | |
| JB 191 | 400134 | 5490461 | N extention of Banner vein. Mal-galena-poss sphal in bx, crushed, milled, calcite-silica rx. | | | | | |
| JB 192 | 400146 | 5490371 | pit on Banner vein. Py-gal-sphal in rusty seds. | | | | | |
| JB 193 | 397934 | 5488469 | IXL V-2 target. Silic, pyritic intrusive, mini hem-qtz-py veinlets, rusty, brittle. | | | | | |
| JB 194 | 397955 | 5488501 | massive, silic, pyritic intrusive. IXL V-2 target. | | | | | |
| JB 195 | 397950 | | 25 m N of JB 194. Very rusty, vugs, minute poss qtz micro-veinlets, pyritic intrusive. IXL V-2 target. | | | | | |
| JB 196 | 397971 | 5488563 | From old pit, propylitic grantitic (?) intrusive, sheared, chlorite, py. IXL V-2 target. | | | | | |
| JB 197 | 398006 | 5488605 | subcrop, pyritic silica rich granite, minute vugs, bleached, weakly pyritic. IXL V-2 target. | | | | | |
| JB 198 | 398001 | 5488640 | several minute stringers + dissem py in granite, well fractured. Kind of a "bread & butter" rock for a porphyry prospect. IXL V-2 target. | | | | | |
| JB 199 | 397830 | 5488519 | IXL V-1 target. Strong propylitic, mild argillic alt'd, qtz-py, from Trench 3. | | | | | |
| JB 200 | 397817 | 5488488 | IXL V-1 target. Propy, green, qtz-chlorite-cpy. From JB 200-209 rocks look good. This area is approx 30 m N of old pit. Rx have skarn overtones - cc, garnet, mag, chlorite + Cu. | | | | | |
| JB 201 | 397793 | 5488476 | IXL V-1 target. Propy, green, cpy + malachite. Looks out of place here. | | | | | |
| JB 202 | 397780 | 5488456 | pit. silic + py, different looking qtz, more sugary, less iron. Very minor secondary Cu minerals. | | | | | |
| JB 203 | 397780 | 5488456 | same loc as JB 202. Strongly bleached, silicified intrusive, py-cpy, pit dump. | | | | | |
| JB 204 | 397780 | 5488456 | same loc as JB 202, 203. Almost massive sulfides + some silica. | | | | | |
| JB 205 | 397793 | | same loc as JB 201. Silica + py in granite. Yellowish + hem. | | | | | |
| JB 206 | 397808 | | fine py, poss arsenopy in rusty granite. | | | | | |
| JB 207 | 397808 | | same loc as JB 206. Magnetite-py-cpy bx in granite. | | | | | |
| | | | | | | | | |

| JB 209 | 397808 | 5488432 | same loc as JB 206. py-cpy-mag bx. | | | | | |
|--------|--------|---------|--|--|--|--|--|--|
| JB 210 | | | Float sample taken on old overgrown road used to access JB 176, 177. This float was found approx 250 m NW of JB 176, 177 on road bed. | | | | | |
| JB 211 | 397970 | 5488712 | In vicinity of Eocene Au anomaly in massive Eocene fanglomerate. Lot lithologies in float, prob clasts in fanglomerate. JB 211 is rusty skarny limestone (?) /dyke rock with cpy. Subcrop. | | | | | |
| JB 212 | 397970 | 5488712 | same loc as JB 211. Fe rich skarn, cu staining, vuggy. | | | | | |
| JB 213 | 403073 | 5492045 | White Bear area. Old pit. Py, minor cpy, poss arsenopy in fine grained, greenish volc. Also garnet + calcite. | | | | | |
| JB 214 | 403084 | 5492067 | White Bear area. 3 pits in a row, on azim 290°. More Cu staining, calcite + minor carbonate weathering on E most pit. Tiny pit Si in volc. | | | | | |
| JB 215 | 403084 | 5492067 | White Bear area. Same loc as JB 214. Arsenopy? 45% in volc, from pits. | | | | | |
| JB 216 | 401095 | 5491566 | Averill Area. 2 pits. Hem rich, Franklin seds near intrusive contact. Large halo of carb alt'n on access road, approx 150 m wide. Sample JB 216 is silica rich sst, py-hem, from pit. | | | | | |
| JB 217 | 401095 | 5491566 | Same loc as JB 216. Py + silic sandstone. | | | | | |
| JB 218 | 401095 | 5491566 | Same loc as JB 216. Py, cpy diss + frac filling in Franklin seds from pit. | | | | | |
| JB 219 | 399929 | 5489253 | Road cut - pyritic siltstone bx. | | | | | |
| JB 220 | | | IXK flt from slightly SW of Au geochem (V-4). This is float. May be clast from fanglomerate. Minute epith qtz vein, py + mod siliceous dark coloured intrusive, grey-black. | | | | | |
| JB 221 | | | Maple Leaf flt. Approx 30 m down road from cabin, just N of JB 190 on road cut. Sugary qtz, weak bx, cu stained (very weakly), black dendrites. | | | | | |
| JB 222 | 400016 | 5494094 | N end of claim block, 50 m wide zone of sheared, altered monzonite with mesoth. qtz vein. Glassy, clear. Subcrop in road cut. | | | | | |
| JB 223 | 400016 | 5494094 | Strongly bleached, crumbly, whitish-pink, magnetite bleb, monzonite. Subcrop in road cut. | | | | | |
| JB 224 | 400286 | 5491170 | Float. Hem rich, poss zinc limestone float on road to sump, just off clear cut near Deadwood. | | | | | |
| JB 225 | 400386 | 5490990 | on access road to sump. 1 piece massive silic, dirty lst + 1 piece whitish qtz-limestone bx float. This is approx 70 m SW? of old pit. | | | | | |
| JB 226 | | | VG? rock from Iron Cap road showing. | | | | | |
| JB 227 | 397851 | | IXL. Magnetite-S in Franklin seds. | | | | | |
| JB 228 | 397851 | 5488425 | IXL, same loc as JB 227. Silic Franklin seds, very pyritic, non-magnetic. | | | | | |
| JB 229 | 397851 | 5488425 | IXL, same loc as JB 227. 1.5 m Cu-Si py stringer in Franklin seds. | | | | | |
| JB 230 | 397791 | | IXL. Very rusty, crumbly intrusive. Qtz + magnetite, subcrop. | | | | | |
| JB 231 | 397717 | 5488362 | IXL. Silic siltstone, S edge of clearcut. Was able to follow Cu-chl-magnetite rx to W of JB 208-209 for approx 60 m, float + subcrop on hillside in clearcut. | | | | | |
| JB 232 | 397830 | 5488457 | E of JB 208, silic siltstone or qtz vein, weak mal, float or subcrop. | | | | | |
| JB 233 | 397791 | 5488550 | py cpy porphyry? + magnetite from Trench 3, 10 m downslope from JB 016. | | | | | |

| JB 234 | 397797 | 5488552 | cpy in mal stained, slightly calcareous Franklin sed (?). | | | | | |
|--------|--------|---------|---|--|--|--|--|--|
| JB 235 | 397797 | 5488552 | same loc as JB 234. Composite sample. Partially silic limestone/calc seds. | | | | | |
| | | | Cu rx from Trench 3 bear a strong resemblence to rx at JB 208 zone to the | | | | | |
| | | | south. Possibly the limestone unit x-cuts the clearcut - one long limestone | | | | | |
| | | | lens. | | | | | |
| JB 236 | 397695 | 5488476 | IXL - From Trench 5? Cu-magnetite skarn boulder. | | | | | |
| JB 237 | 397858 | 5488600 | IXL. Zinc rich skarn + magnetite, poss arsenopy, from trench bank. | | | | | |
| JB 238 | 397921 | 5488751 | XL. Cat push dump from NE most skarn. Sphal, cpy, poss gal in limesto | | | | | |
| JB 239 | 398968 | 5487915 | Mt McKinley. Old pit, rusty silic Franklin seds?, minor bleaching + py. | | | | | |
| | | | Another v small digging 30 m WSW of this. | | | | | |
| JB 240 | 398553 | 5487905 | 1.4 m "Bull" qtz vein has an old digging on it, appears to be on a sed-augite | | | | | |
| | | | porph contact, 300° strike. | | | | | |
| JB 241 | 397839 | 5487952 | old pit in Franklin seds, rusty, slightly pyritic, some silic'n. | | | | | |
| JB 242 | 397797 | 5488553 | IXL, Trench 3, 30 m downslope from road on S trench bank. 1 m sulfide- | | | | | |
| | | | magnetite boulder, similar to massive sulfide boulders in creek. | | | | | |
| JB 243 | 397797 | 5488553 | 10 m downslope on trench bank from JB 242. Silic sulfide rich (no | | | | | |
| | | | magnetite) boulder. | | | | | |
| JB 244 | 397659 | 5488354 | same loc as JB-033. Magnetite-cpy-py. Massive py-epidote. this may be | | | | | |
| | | | source of the massive sulfide boulders in IXL creek. | | | | | |
| JB 245 | 397823 | 5488427 | ugly massive siltstone, weakly magnetic, subcrop. | | | | | |
| JB 246 | 397536 | | Partially silic limestone subcrop. | | | | | |
| AE 004 | 402791 | | Whitish qtz sample from road cut. | | | | | |
| AE 005 | 403362 | | E of Target H. Old pit. | | | | | |
| AE 006 | 403012 | | Epi qtz vein on road. | | | | | |
| AE 007 | 401858 | 5490885 | Maple Leaf - massive cpy. Same location as JB 026. | | | | | |

APPENDIX 2

Trench Sample Descriptions

Samples 2333 - 2443

| Sample # | Trench | nch Sample Description Width (m) | | | | |
|--------------|-------------|----------------------------------|--|--|--|--|
| | | | All samples are channel samples, unless noted. | | | |
| 2333 | TR03-1 | 1.2 | 2333 & 2334 are a continuous sample across the vein. True thickness of vein | | | |
| | | | is 3.2 m. Qtz-carb vein/intensely silic'd zone with minor patchy sulfides and | | | |
| | | | malachite stain. | | | |
| 2334 | TR03-1 | 2 | see 2333 | | | |
| 2335 | TR03-1 | 1.5 | 2335 & 2336 are a continuous sample across the vein. True thickness of vein | | | |
| | | | is 3 m. Sharp hwall contact, gradational fwall contact to siltstone. | | | |
| 2336 | TR03-1 | 1.5 | see 2335 | | | |
| 2337 | TR03-1 | 1 | 2337 & 2338 are a continuous sample across the vein. True thickness of vein | | | |
| | | | is 2.3 m. As above with gradational fwall contact to silic'd, bx fine grained | | | |
| | | | siltstone. | | | |
| 2338 | TR03-1 | 1.3 | see 2337 | | | |
| 2339 | TR03-1 | 2 | Footwall of vein at same section as 2337-38. Silic'd bx, fine grained, locally | | | |
| | | | calcareous siltstone. | | | |
| 2340 | TR03-1 | 1.6 | 2340-2342 are a section across the vein, footwall, small footwall vein, and | | | |
| | | | footwall to this. 2340 is 1.6 m channel sample across true width of main | | | |
| 2211 | | | vein/silic'd zone. | | | |
| 2341 | TR03-1 | 1.1 | see 2340. 2341 is sample of fine grained calcareous and siliceous siltstone | | | |
| 22.12 | | | footwall to main vein. | | | |
| 2342 | TR03-1 | 0.2 | see 2340. 2342 is 0.2 m channel sample across small, well defined vein in | | | |
| | | | footwall to main vein. Qtz-carb vein with patchy fine grained sulfides and | | | |
| 22.42 | TTD 0.2 . 1 | 1 | local strong mal stain. | | | |
| 2343 | TR03-1 | 1 | see 2340. 2343 is 1 m sample of footwall to small vein sampled as 2342. Fine | | | |
| 2244 | TD 02 1 | 1.6 | grained calcareous siltstone. | | | |
| 2344 | TR03-1 | 1.6 | 2344-2346 are samples in a section across the main vein, footwall and small | | | |
| | | | footwall vein. 2344 is a 1.6 m channel sample across the main vein/silic'd | | | |
| 2245 | TR03-1 | 1 | zone, as in 2340. | | | |
| 2345 2346 | TR03-1 | 0.15 | see 2344. 2345 is 1 m sample of footwall. see 2344. 2346 is 0.15 m channel across small footwall vein, as in 2342. | | | |
| 2347 | TR03-1 | 0.13 | Brecciated, clay altered siltstone in fault cutting/offsetting North Banner vein. | | | |
| 2347 | 1 KU3-1 | 0.5 | Brecciated, cray aftered sitistone in fault cutting/offsetting North Baimer vein. | | | |
| 2348 | TR03-3 | 0.5 | Samples 2348-51 are a section across a 0.5 m wide hwall vein, hangingwall to | | | |
| | | | the main vein, and the main vein. Sample 2348 is 0.5 m channel across a low | | | |
| | | | angle, crushed crackled quartz vein | | | |
| 2349 | TR03-3 | 1.1 | see 2348. Sample 2349 is 1.1 m channel of fine grained crackled cherty | | | |
| | | | siltstone hwall to main vein. | | | |
| 2350 | TR03-3 | 2.8 | see 2348. Sample 2350 is channel across massive silic'n/qtz vein with trace to | | | |
| | | | nil sulfides. True width of vein here is 3.3 m. | | | |
| 2351 | TR03-3 | 0.5 | see 2348. Sample 2351is 0.5 meter channel across selvege of vein, against | | | |
| | | | faulted contact. Minor sulfides. | | | |
| 2352 | TR03-3 | 1.5 | sample across vein | | | |
| 2353 | TR03-3 | 1.7 | sample across vein | | | |
| 2354 | TR03-3 | 1.1 | Samples 2354-2356 are a section across the vein and footwall argillite. Sample | | | |
| | | | 2354 is 1.1 m sample of vein. True width of vein here is 2.5 meters. | | | |
| 2355 | TR03-3 | 1.4 | see 2354. Sample 2355 is 1.4 m sample of vein. | | | |
| 2356 | TR03-3 | 0.2 | see 2354. Footwall argillite. | | | |
| 2357 | TR03-3 | 0.7 | Samples 2357-59 are a section across the hwall and vein. Sample 2357 is | | | |
| 2250 | TED CO. C | 1.2 | hwall of vein. Intensely siliceous fsp-hnbld (+ qtz) porphyry. | | | |
| 2358 | TR03-3 | 1.2 | see 2357. Sample 2358 is 1.2 m sample of vein. True width of vein here is 2.6 | | | |
| 2250 | TD02.2 | 1.4 | m. | | | |
| 2359 | TR03-3 | 1.4 | see 2357. Sample 2359 is 1.4 m sample of vein. | | | |
| 2360 | TR03-3 | 1.3 | Samples 2360 and 2361 are a section across the vein. True width of vein here | | | |
| | | | is 2.7 meters. | | | |

| 2361 | TR03-3 | 1.4 | see 2360. |
|--------------|------------------|-------------|---|
| 2362 | TR03-3 | 1.7 | Samples 2362 and 2363 are a section across the vein. True width of vein here |
| | | | is 3.2 meters. |
| 2363 | TR03-3 | 1.5 | see 2362. |
| 2364 | TR03-3 | 1.6 | Samples 2364 and 2365 are a section across the vein. True width of vein here |
| | | | is 3 meters. |
| 2365 | TR03-3 | 1.4 | see 2364. |
| 2366 | TR03-3 | 0.9 | crushed vein in fault |
| 2367 | TR03-3 | 1.1 | sample across vein. |
| 2368 | TR03-3 | 0.9 | Samples 2368 and 2369 are a section across the hwall and vein. Sample 2368 |
| | | | is clay alt'd, bx'd fine grained siltstone. |
| 2369 | TR03-3 | 1 | see 2368. Sample 2369 is 1 m chip across entire true width of vein. |
| 2370 | TR03-3 | 1 | sample across true width of vein. |
| 2371 | TR03-3 | 0.9 | Samples 2371 and 2372 are a section across the vein and footwall. Sample |
| | | | 2371 is across true width of vein. |
| 2372 | TR03-3 | 0.5 | see 2371. Sample 2372 is 0.5 metre footwall sample. |
| 2373 | TR03-3 | 0.4 | sample across true width of vein. |
| 2374 | TR03-3 | 1 | crushed zone on strike of vein. |
| 2375 | TR03-4 | 3 | fine grained sharpstone conglomerate on strike of vein (where exposed in TR03 |
| | | | 3) |
| 2376 | TR03-4 | 3 | same as 2375. |
| 2377 | TR03-7 | 0.5 | grey limestone breccia |
| 2378 | TR03-7 | 0.3 | weak Fe ox zone, trends 300°. |
| 2379 | TR03-7 | 0.5 | fine grained chloritic volcanic siltstone breccia. |
| 2380 | TR03-7 | 1 | |
| | | | breccia zone along 315/85°N fault zone. |
| 2381 | TR03-8 | 1.3 | limestone with local silic'n & weak mal stain adjacent to contact with green |
| 2202 | TD02.0 | 0.55 | cherty siltstone. |
| 2382 | TR03-8 | 0.55 0.7 | crushed qtz bx zone on shear |
| 2383 2384 | TR03-8 | 0.7 | in limestone on S side of shear. |
| | TR03-8 | 0.7 | channel sample across shear zone. Same zone sampled as 2380, 2382. |
| 2385 | TR03-8 | 2.6 | fine grained volcanic breccia limestone |
| 2386 2387 | TR03-8 TR03-8 | 0.8 | |
| 2388 | TR03-6 | 1 | channel sample across shear/bx zone cutting limestone. |
| 2389 | TR03-6 | 1.4 | intensely silic'd or cherty tuff |
| 2390 | TR03-6 | 1.5 | same as 2388. crowded feldspar porphyry |
| 2391 | TR03-6 | 1.2 | intensely silic'd zone with minor argillic altered bx frags of poss intrusive or |
| 2391 | 1 K03-0 | 1.2 | tuff in fine grained, silica flooded groundmass. Locally looks like just chert, |
| | | | |
| 2392 | TR03-6 | 2 | but bx frags suggest silic'n of ?, rather than chert protolith. same as 2391 |
| 2393 | TR03-10 | 1.2 | weak Fe ox zone, could be argillite band. |
| 2394 | TR03-10 | 0.7 | crackle bx in Fv, footwall to 2395. |
| 2395 | TR03-10 | 0.7 | mod-str Fe ox zone, as in 2393. Likely argillite. Minor gossan veinlets. |
| 2396 | TR03-10 | 0.6 | hangingwall to 2395. Crackle bx'd Fv. |
| 2397 | TR03-10 | 0.6 | weak-mod Fe ox as in 2393, 2395. Prob narrow argillite band. |
| 2398 | TR03-10 | 1.2 | limestone |
| 2399 | TR03-11 | 1.5 | shattered, str Fe ox black argillite |
| 2400 | TR03-11 | 1.8 | Samples 2400 & 2401 are continuous channels across the 3.6 m exposed true |
| 2700 | 1103-12 | 1.0 | width of the vein. Full true width here is ~ 8m. |
| 2401 | TR03-12 | 1.8 | see 2400 |
| | TR03-12 | 2 | Samples 2402-04 are continuous channels across the 6 m exposed true width of |
| 2402 | 11105-14 | _ | pampies 2702 of the continuous chaliness across the o in exposed true within or |
| 2402 | | | the vein. Full true width here is ~8.6 m, but F contact is covered with shaft |
| 2402 | | | the vein. Full true width here is ~8.6 m, but E contact is covered with shaft debris. |

| 2404 | FD 02 12 | 2 | 1 2402 |
|------|----------|-----|---|
| 2404 | TR03-12 | 2 | see 2402 |
| 2405 | TR03-12 | 1.5 | Samples 2405-2409 are continuous samples from west-east across the hwall |
| | | | and vein. Exposed true width of vein here is 7.5 meters. Total true width here |
| | | | is ~ 8 m. 2405 is argillite west of vein (apparent hwall). |
| 2406 | TR03-12 | 2 | see 2405. 2406 is vein with poddy massive galena. |
| 2407 | TR03-12 | 2 | see 2405. Vein. |
| 2408 | TR03-12 | 2 | see 2405. Vein. |
| 2409 | TR03-12 | 1.5 | see 2405. Vein. |
| 2410 | TR03-12 | 0.5 | massive galena pod along W vein contact |
| 2411 | TR03-12 | 0.4 | Samples 2411-2415 are continuous samples from west-east across the hwall |
| | | | and vein. 7.4 of 8 metre true width of vein exposed here. Sample 2411 is |
| | | | hwall argillite. |
| 2412 | TR03-12 | 2 | see 2411. Vein. Sample 2412 has poddy massive galena. |
| 2413 | TR03-12 | 2 | see 2411. Vein. |
| 2414 | TR03-12 | 2 | see 2411. Vein. |
| 2415 | TR03-12 | 1.4 | see 2411. Vein. |
| 2416 | TR03-12 | 2 | Samples 2416-2419 are a section across the vein + footwall. Full 6 m true |
| | | | width of vein exposed. 2416 is vein. |
| 2417 | TR03-12 | 2 | see 2416. Vein. |
| 2418 | TR03-12 | 2 | see 2416. Vein. |
| 2419 | TR03-12 | 1.3 | see 2416. Dirty silic'd cherty tuff? footwall to vein. Gradational footwall |
| 2.12 | 11100 12 | 1.0 | contact. |
| 2420 | TR03-12 | 2 | Samples 2420-2424 are another section across the full vein, through the |
| 2.20 | 1103 12 | _ | gradational footwall contact, and into the footwall. True width of vein is 7.4 |
| | | | meters. Full true width of vein exposed. Sample 2420 is vein with poddy |
| | | | massive galena. |
| 2421 | TR03-12 | 2 | see 2420. Vein. Strong Fe-Cu ox. |
| 2422 | TR03-12 | 2 | see 2420. Vein. |
| 2423 | TR03-12 | 1.4 | see 2420. Vein - becoming gradational to silic'd cherty tuffaceous footwall. |
| 2423 | 1K03-12 | 1.4 | sec 2420. Veni - becoming gradational to sine deficity turraccous rootwan. |
| 2424 | TR03-12 | 1 | see 2420. Footwall. Dirty silic'd crackled cherty tuff? |
| 2425 | TR03-12 | 1.4 | Samples 2425-2429 are a section across the vein through to the footwall, near |
| 2423 | 1K05-12 | 1.4 | _ |
| | | | the north end of TR03-12. A strong north trending, 75° W dipping fault cuts |
| | | | the vein along strike and down drops? the segment to the west. This fault may |
| | | | form the western vein contact south of this point. Sample 2425 is a channel |
| | | | sample across the apparent down-dropped segment of vein. Rusty weathering |
| | | | with mod patchy sulfides. |
| 2426 | TR03-12 | 0.5 | see 2425. Sample 2426 is across the fault zone cutting the vein. Recessive |
| | | | weathering, strong Fe ox shear zone cuts the vein along strike. |
| 2427 | TR03-12 | 2 | see 2425. Vein. |
| 2428 | TR03-12 | 2.2 | see 2425. Vein. |
| 2429 | TR03-12 | 1.4 | see 2425. Sample 2429 is footwall, as in 2424. Gradational footwall contact. |
| | | _ | |
| 2430 | TR03-12 | 2 | Sample across down dropped? part of vein, west of fault, as in 2425. |
| 2431 | TR03-13 | 0.7 | quartz-carb vein with minor galena and moderate malachite stain. |
| 2432 | TR03-13 | 1 | crackled chert breccia or silic'd siltstone with local dissem pyrite and patchy |
| | | _ | weak carb and mal stain, adjacent to qtz-diorite intrusive contact. |
| 2433 | TR03-13 | 1 | same as 2432 |
| 2434 | TR03-13 | 1 | same as 2432 |
| 2435 | TR03-14 | 2 | buff-maroon cherty tuff. |
| 2436 | TR03-14 | 2 | fine grained equigran to weakly porphy diorite (or possible volcanic). Mod chl- |
| | | | hem alt'n. |
| 2437 | TR03-14 | 2 | same as 2426. |

| 2438 | TR03-14 | 2 | Strong fault zone, trends 270/45°N. Strongly brecciated, strong chl-hem alt'n of Fd?/Fv? + gouge. |
|------|---------|-----|---|
| | | | |
| 2439 | TR03-14 | 2 | pale green, locally cherty tuff grading to fine grained fsp porph volcanic. |
| 2440 | TR03-14 | 2 | same as 2439. |
| 2441 | TR03-15 | 1.3 | Sample is across 340-355/65-70°E dipping silic'd zone/vein along fault. Minor |
| | | | patchy py-gal. |
| 2442 | TR03-15 | | sample not collected (same as 2441) |
| 2443 | TR03-15 | 0.7 | Brecciated, shattered argillaceous siltstone along fault. |

APPENDIX 3

Diamond Drill Logs

Drill Holes: FR03-1 to FR03-8 (Banner area)

IXL03-1 (IXL area)

DIAMOND DRILL RECORD

page 1 of 2

PROPERTY FRANKLIN - BANNER HOLE # FRO3 - 1 Coordinates: Grid 99+71 N 97+16 E (approx) Azimuth: 070 Started: Sept 22/03 GPS 400208 E, 5490265 N NAD 27 - 50° Dip: Completed: Sept 23/03 Claim: Doe 2 Depth: 150 (45.7 ~) Drilled by: Guy Delorme Tuxedo Resources Operator: Elevation: 1024 m Logged by: / Adit = Linda Caron 1000 m datum

| DOMINANT | ROCK TYPE | DESCRIPTION | | | SAMPLE | | Au | Ag | Cu | Pb | Zn |
|------------------|------------|--|-----------------------|---|------------------|-----------------|-------|-------|-------|-------|--------|
| From - To (m) | Lithology | | Sample | # | From - To (m) | Interval (m) | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) |
| 0 - 4.6 | Overburden | Box 1 | | | | | | | | | |
| 4.6-12.0 | FI(bx) | Black argillaceous limestone breccia with 95% re angular, fine grained, grey, limestone clasts in an aphanitic, black argillaceous groundmass. | Common | | | | | | | | |
| | | 10.4-10.9 m Massive grey limestone interval. Sharp contacts @ 45° to C/A. 10.3- | | | | | - 1 | | | | |
| 12.0 ~13.3 | Feg | Pake grey-green, hard, massive, v. fine chert pel conglomerate -> coarse est. 30% "I mm chert gi in an aphanitic calcareous groundmass. "tapio chert" texture. 2% py as v. fine stringers. Minor cc vein lets. | sble rains ca | | | | | | | | |
| 13.3-16.2 | Fs/Fc | Aphanitic tan-grey, mottled, chert -> cherty sill Crackled. Dirty looking. Minor chl-py units. | tstone. | | | | | | | | |
| | | 13.4-13.7 m Fine grained massive, grey. limey siltstone interval. Poss. bedding @ 20° to C/A. 15.6-7 | 12.3 m 2444 | | 14.7-15.7 | 1.0 | 14 | 0.5 | 139 | 14 | 699 |
| | | 030° to C/A. 10%. sulfides (px+gal) as massive irrebands + bx mtrx. Good recovery through vein. | 2445 gular 2446 | | 15.7-15.9 | 1.0 | 518 | 58.6 | 289 | 79999 | 31,170 |
| | | 8 prientation unclear - poss Q 90° to C/A. | | | | | | | | | |

PROPERTY FRANKLIN - BANNER HOLE # FRO3-1

| | ROCK TYPE | DESCRIPTION | | SAMPLE | | Au | Ag | Cu | Pb | Zn |
|------------------|---|---|----------|------------------|-----------------|-------|-------|-------|-------|------|
| From - To (m) | Lithology | | Sample # | From - To (m) | Interval (m) | (ppb) | (ppm) | (ppm) | (ppm) | (ppn |
| 16.2-19.0 | Fv | Dark grey-green, v. fine grained, massive, greenstone (or poss fing diorite dyke). Cut by minor ce & py stringers. | | | - | | | | | |
| | | 16.7 - 18.0 ? Fault Zones. Rubble zones with v. poor core 18.7 - 19.0 & recovery. | | | | | | | | |
| 9.0- 45.7 | Fc | Aphanitic, mottled tan-grey cherty siltstone Discal well developed bedding @ 90%, recovery 40.50° to C/A. Local Fe ox stain. Minor chl-py Stringers. V minor cc volts. Local crackle bx zones. | | | | , | | | | |
| | | 19.7 - 20.3 m Fault zone - strongly bx'd Box 5 | | | | - | | | | |
| | | 21.9. 22.3m Fault 20ne - rubble 28.2 - 34 m 98% recovery 25.9 - 26.6m Bx zone w mod Fe ox stain. | | | | | | | | |
| | | 29.30 m bx'd, str fe ox stain | | | | | | | | |
| - | developed bedding @ 45° to C/A. Gradational 98% recon | developed bedding @ 45° to c/A. Gradational 98%, recovery | | | | | | | | |
| | | 39.7 m v. well developed bedding @ 45° to C/A. | | | | | | | | |
| | | 41-42 m strongly bid interval Box 7 39.6 - 45.4 m 45 m v. well developed bedding @ 75° to C/A | | | | | | | | |
| | | 45 m v. well developed bedding @ 75° to c/A 100% recovery | | | | | | | | |
| | | Box 8 45.4 - 45.7 m 100% recovery | | | | | | | | |

DIAMOND DRILL RECORD

page 1 of 2

| PROPERTY FRANKLIN - BANNER HOLE # FRO3 | ·- Z | | | |
|---|------------|--------------------------------|-------------|-------------|
| Coordinates: Grid 99+54 N, 97+67 E (approx) | Azimuth: | 250* | Started: | Sept 24/03 |
| GPS 400257 E, S490280 N NAD 27 | Dip: | -50* | Completed: | Sept 25/03 |
| Claim: Doe 2 | Depth: | 130' (39.6 m) | Drilled by: | Guy Delorme |
| Operator: Tuxedo Resources | Elevation: | 1037.5 m (Adit = 1000 m datum) | Logged by: | Linda Caron |

| DOMINANT ROCK TYPE | | DESCRIPTION | SAMPLE | | | Au | Ag | Cu | Pb | Zn |
|--------------------|--------------|--|----------|------------------|-----------------|-------|-------|-------|-------|-------|
| From - To (m) | Lithology | | Sample # | From - To (m) | Interval (m) | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) |
| 0 - 6.1 | Overburden | Box 1 | | | | | | | | |
| | | 6.1 - 11.5 m | | | | | | | | |
| 6.1 - 11.0 | FI(bx) / Fcq | Intermixed zone of 1) black argillaceous lot 95% recovery | | | | | | | | |
| | , , | bx w angular - subround 1st (+ < chert) | | | | | | | | |
| | | clasts in an appanitic, black, argillaceous, calcareous | | | | | | | | |
| | | mtrx, and 2) fine grained, clast supported, chert pebble conglom w rounded 2 mm - 1 cm chert (+ minor argillite, | | | | | | | | |
| | | conglom w rounded 2 mm - 1 cm chert (+ minor argillite. | | | | | | | | |
| | | siltot) clasts in a calcareous gmass. | | | | ٠. | | | | |
| | | Common CC units. | | | | - 3 | | | | |
| | | | | | | | | | | |
| N.o - 26.5 | Fcg | Pake grey, massive, v. fine grained conglom or coarse set in close packed I mm chert grains in a grey-buff calcareous gmass "tapioca chert" texture. 1-22. py - diss & volts. Minor cc units. | | | | | | | | |
| | | or coaise set in close packed I mm chert grains in | | | | | | | | |
| | | a grey-buff calcareous gmass. "tapioca chert" texture. | | | | | | | | |
| | | 1-2% py - diss & valts. Minor cc units. | | | | | | | | |
| | | Pov 2 | | | | | | | | |
| | | | | | | | | | | |
| | | grey calcareous sst + tan, crackled chert. 95% recou (low @ 126.12.8, 15.2-15.3) | | | | | | | | |
| | | 12.6.12.8 m Fault. Broken zone is minor clay on fracts. | | | | | | | | |
| | | 15.2-15.3 m Fault. Broken, poor recou, Str. fe + Mn ox stain. | | | | | | | | |
| | | 15.8 - 16.2 m Black argillaceous limestone | | - | | | | | | |
| | | interval is contacts @ 70° to C/A. | - | | | | | | | |
| | | 16.2 - 26.5 m Congl. becomes coarser grained | | | | | | | | |
| | | with fine pebble sized chert (+ ex ara siltstone) grains. This | | | | | | | | |
| | | interval is cut by a series of att veins, as follows. | | | | | | | | |
| | | · · | 2447 | 16.2-16.9 | 0.7 | 33 | 1.3 | 105 | 196 | 38 |
| | | 16.9 - 17.3 m Qtz vein Silicid Zone in Box 3 | | | | | | | | |
| | | conglom. Buff coloured massive at but 17.1 - 22.4 m | 2448 (V) | 16.9-17.3 | 0.4 | 15 | 1.1 | 104 | 280 | 19 |
| | | remnant congl. text visible locally Gradational gov. recov, core v. contacts. Mod Fe/Mn ox on Fracs, tr v fine sulfides | | | | | | | | |
| | | contacts. Mod Fe/Mn ox on fracs, tr v fine sulfides broken | | | | | | | | |

| DOMINANT | ROCK TYPE | DESCRIPTION | | SAMPLE | | Au | Ag | Cu | Pb | Zn |
|------------------|--------------|---|----------|---------------|-----------------|-------|----------|-------|-------|--------|
| From - To (m) | Lithology | | Sample # | From - To (m) | Interval (m) | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) |
| | - | 105 10 7 | | | | | | | | |
| 11.0 - 26.5 | Fcg | 19.5-19.7 m Qtz Vein. Sharp contact @ 45° | 2449 | 17.3-19.5 | 2.3 | 5 | 0.4 | 26 | 27 | 122 |
| cont | cont | to c/A. Massive white at w 2-5% v. fine | | | _ | | | | - | |
| | | sulfides (py, gal, sphal), diss & in fine grained | 2450 (v) | 19.5-19.7 | 0.2 | 32 | 3.9 | 431 | 695 | 208 |
| | | patches | | | | | 1 | | - | - |
| | | - 2 219 Ob 1: 1:1111 | 2451 | 19.7- 20.3 | 0.6 | 13 | <u> </u> | 99 | 101 | 373 |
| | | 20.3. 21.9 m Qtr vein silic'd zone. Sharp contact @ 40° to c/A. | 2462 (.) | 20.3- 21.9 | 2.1 | 385 | 4.1 | 2001 | 429 | 0011 |
| | | Massive white-grey atz. Locally see preserved congl. texture. | 2452 (0) | W.5- 21.1 | 1.6 | 202 | 21.6 | 2956 | 721 | 824 |
| | | + dissem. Minor cc units & patches. V. minor | 2453 | 21.9 - 23.2 | 1.3 | 29 | 4.3 | 375 | 1287 | 210 |
| | | | 2453 | 21.1- 25.2 | 1.3 | 41 | 7.5 | 075 | 1201 | 217 |
| | | small vuggy cavities. Bo? recovery through | | 1 | | · ' | | | _ | - |
| | | VEIN. | | - | | _ | | _ | | - |
| | | 23.2-23.5 m Qtz vein . Vuggy, massive qt vein as | 1 | | | | | | | _ |
| | | 12 20.3 - 21.9 , ~ 101. sylfides (py = sphal > gal) | 2454 (V) | 23.2.23.5 | 0.3 | 2033 | 37.6 | 5062 | 5962 | 39, 40 |
| | | as massive he de he he thicks V heaten BOX 4 | -1010 | | | 7. | 01.0 | 3.02 | - | - 1. |
| | | 607, recovery through vein. Orient, unclear. core v. broken, Box. recov. Loss in veins. | | | | | | | | |
| | | core v. broken, 80%. | | | | | | | | |
| | | 23.5-24.4 m Congl 15 weak-mod silicid, mod | 2455 | 23.5- 24.4 | 0.9 | 30 | 1.9 | 192 | 181 | 1117 |
| | | Fe ox stained | 1 | | | | | | | |
| | | All Maries | | | | | | | | |
| | | 24.4-26.5 m Qto vein. V. broken, locally ground 701. recovery | | | | | | | | |
| | | through vein. White-grey massive qtz, minor Box 5 | 2456 (V) | 24.4- 26.5 | 2.1 | 671 | 27.7 | 3329 | 3791 | 15,48 |
| | | local vuggy cavities. The sulfide bands 28.1-33.7 m | | | | | | | | |
| | | give ribbon-like texture to vein. 10). 95+7. recovery | | | | | | | | |
| | | sulfides (pv = sohal 7 gal 7 cov(1)) as fine | | | | | | | | |
| | | wavy bands, patches & dissem. Sharp lower contact @ | | | | | | | | |
| | | 80° to C/A. | | | | | | | | |
| | | | 2457 | 26.5-26.9 | 0.4 | -1 | 0.4 | 77 | 26 | 684 |
| 26.5-39.6 | FI(bx) / Fcq | Black angillaceous 1st bx (is minor | | | | | | | | |
| | , , | interbedded black arg. siltst) as in 6.1-11.0 Box 6 | 2458 (v) | 26.9-27.2 | 0.3 | 24 | 6.8 | 91 | 103 | 263 |
| | | Fine grained dark grey chert pebble | | | | | | | | |
| | | Conal interbeds. Siltstone interbeds 93%, recovery | 2459 | 27.2 - 28.2 | 1.0 | 1 | 0.3 | 79 | 16 | 142 |
| | | have well developed, finely lamellar bedding | | | | | | | | |
| | | @ 70.80° to C/A. | | | | | | | | |
| | | | | | | | | | | |
| | | 26.9- 27.2 m Qtz vein. Massive, white itz Box 7 | - | | | | | | | |
| | | vein @ 90° to c/A Ground core in 30% recovery. 39.2 39.6 m | - | | | | | | | |
| | | Inn 2 YELDVEN | - | | | | | | | |
| | | 39.6 m E.O.H. | | | | | | | | |

| PROPERTY FRANKLIN - BANNER HOLI | E#_ FR03-3 | 3 | | | |
|--|------------|------------|------------------------|-------------|-------------|
| Coordinates: Grid 99+54 N, 97+67 E (9PPOX) | | Azimuth: | 250* | Started: | Sept 25/03 |
| GPS 400257E 5490280 N NAI | 27 | Dip: | - 85° | Completed: | Sept 26/03 |
| Claim: Doe 2 | | Depth: | 132' (40.2 m) | Drilled by: | Guy Delorme |
| Operator: Tuxedo Resources | | Elevation: | 1037.5 m(Adit : 1000 m | Logged by: | Linda Caron |

| | ROCK TYPE | DESCRIPTION | | SAMPLE | | Au | Ag | Cu | Pb | Zn |
|------------------|------------|--|----------|------------------|-----------------|-------|-------|-------|-------|------|
| From - To (m) | Lithology | | Sample # | From - To (m) | Interval (m) | (ppb) | (ppm) | (ppm) | (ppm) | (ppm |
| 0-2.1 | Overburden | Box 1 2.1 - 7.8 m | | | | | | | | |
| 2.1 - 3.9 | F1 (bx) | Coarse grained tan-grey coloured limestone 90% recovery | | | | • | | | | |
| | | subround 1st frags, <a5 cm="">> 3 cm + lesser subround chert clasts in a fine grained calcarcous grass (not argillaceous as in FROB-1 & -2 + bottom of this hole).</a5> | | | | | | | | |
| 3.9-10.0 | Feg/Fa(1) | Interbedded interval of lifing, black, pyritic, Calcareous argillaceous siltstone (= 7.8 - 13.2 m Minor rounded cheet closes and 95% recovery | | | | • | | | | |
| | | 2) med grained, polymichz, clast supported congl is 90.1. 3 mm avg, subround clasts of chert, 1st argillity, | | | | | | | | |
| | | 2) med grained, polymiche, clast supported congl wo goil. 3 mm avg, subround clasts of chert, 1st argillite, siltstone in a calcarcous gmass. Common acc veinlets. Local fine lamellar bedding @ 60-70" to c/A. Contacts between arg. 2 congl. heds @ 60-70" to c/A. | | | | | | | | |
| | | 4.9-5.1 m 7 Faut zones. Gouge / rubble. 6.3-6.5 m | | | | | | | | |
| | | 5.3 m slicks on frac @ 20° to c/A. | | 12 | | - | | | | |
| | | @ 10.0 m sharp contact @ 70° to C/A. | | - | | | | | | |
| 0.0 - 14.8 | Fcg | Grey-tan v. fine grained massive conglom - coarse sst in Tox < (mm chert grains (+ poss calc. sst frags?) in a tan calcareous grass. "tapioca chart" texture. Minor | | | | | | | | |
| | | pr, diss + units. Common cc stringers. Box 3 | | | | | | 9 | | |
| | | @ 13.5 m grades down hole to a dark grey congl is argillaceous grass and 2.5% py. Chert + 1st grains in a cale, grass. | | | | | | | | |

| DOMINANT | | DESCRIPTION | Orthit DE | | | | Ag | Cu | Pb | Zn |
|------------------|--|---|-----------|------------------|-----------------|-------|-------|-------|-------|------|
| From - To (m) | Lithology | | Sample # | From - To (m) | Interval (m) | (ppb) | (ppm) | (ppm) | (ppm) | (ppn |
| 4.8-15.5 | Fa | Black, aphanitic, calcareous argillite a | - | | | | | | - | - |
| | | local strong crackle bx. Sharp contacts | | | - | _ | - | | - | +- |
| | | above and below @ 65° to C/A. | | | | | | | | |
| 5.5 - 28.8 | Feg | Grey-tan fine grained chert pebble congl as in 10.0-14.8, | | | | - | - | | | - |
| | 0 | but also includes significantly coarser chert peoble conglom | | | | | | | | + |
| | | is clasts averaging 0.5 - 1 cm. V minor narrow silty | | | | | | | | _ |
| | | but also includes significantly coarser chert peoble conglom wo clasts averaging 0.5 - 1 cm. V minor narrow silty interbeds, < 1 cm, @ "80" to c/A. | | | | | | | | |
| | | This interval is commonly silic'd and cut | | | | - | | | - | - |
| | | by numerous mine'd silica flood zones veins, as listed | | | | | 1 | | | _ |
| | | below. Veins are really intense silica flood zones, | 1 | | | 1 | | | | + |
| | | grey-white in colour mottled looking with local remnant | | | | | | | | 1 |
| | | conal texture visible (paracts are Geovertly | | | | | | | | 1 |
| | | gradational. Vein's typically have v. minor cc on fracs but generally no fizz, whereas less silic'd zones in congl react strongly 95+2 recovery | | | | 1 | | | | 1 |
| | | cc on fracs, but generally no fizz, whereas 18.9-24.6 m | | | | | | | | |
| | less silic'd zones in congl react strongly 95+2 recovery | | | | | | | | | |
| | | to acid. Very good recovery through vein's/ silicid zones. | 2460 | 15.5-16.5 | 1.0 | 62 | 1.1 | 86 | 52 | 12 |
| | | 16.5-17.3 m grey-white, intense peru silicid zone in gradational contacts. Minor Fe ox stain. V. minor sulfides- | 2461 (V) | 16.5-17.3 | 0.8 | 37 | 6.8 | 45 | So | 2 |
| | | gradational contacts. Minor Fe ox stain. V. minor sulfides - | | | | | | | | |
| | | dom py. | 2462 | 17.3-19.3 | 2.0 | 19 | 0.7 | 44 | 90 | 24 |
| | | 19.3-20.6m Vein/intense silica flood zone. | 2463 (V) | 19.3-20.6 | 1.3 | 604 | 39.9 | 4275 | 79999 | 41,5 |
| | | Gradational contacts but local strongly | | | | | | | | |
| | | minzid zones is massive irreg. bands & patches (+ dissem) gal/sphal + 44 cpy, to 1 cm thick 5% sulfides | 2464 | 20.6-21.2 | 0.6 | 80 | 2 | 367 | 116 | 59 |
| | | gal/sphal + 26 cpy, to 1 cm thick. ~ 5% sulfides | | | | | | | | - |
| | | 21.2 - 21.4 m Intense silica flood minzid | 2465 (V) | 21.2-21.4 | 0.2 | 3229 | 31.2 | 4121 | 3816 | 20,4 |
| | | Zone. Upper contact @ 70° to C/A. | | | | | | | | |
| | | 5% sulfides - diss + small irreg bands py = sphal > gal > cpy. | 2466 | 21.4- 21.7 | 0.3 | 292 | 10.4 | 1447 | 790 | 12, |
| | | Py- Sphar repy. | 2467 (V) | 21.7- 235 | 1.8 | 946 | 40.8 | 2970 | 79999 | 27, |
| | | 21.7- 23.5 m Strongly minzid vein / intense silica flood | 2101 () | 2013 | 1.0 | 7 10 | 70.0 | 2170 | 71111 | -1, |
| | | 21.7- 23.5 m Strongly minzid vein / intense silica flood zone & 5+7. sulfides, py-sphal-gal; << cpy, as irreg | 2468 | 23.S- 24.2 | 0.7 | 40 | 1.4 | 100 | 215 | 50 |
| | | massive patches. Rem cong text locally | -100 | 2010 | | 10 | | , | | 3 |
| | | Visible. Mod well dev. contacts. | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| DOMINANT | ROCK TYPE | DESCRIPTION | T | SAMPLE | | Au | Ag | Cu | Pb | Zn |
|------------------|-----------|---|----------|--------------|-----------------|-------|-------|-------|-------|---------|
| From - To (m) | Lithology | | Sample # | _ | Interval (m) | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) |
| 15.5 - 28.8 | Feg | 24.2-24.6 m Vein/silica flood zone is 57. | | (11) | (111) | | | | | - |
| cont | cont | sulfides as above. Sharp upper contact 6 60° to CIA & irreg. but sharp lower contact. 80x 5 24.6-30.2 m 95+7. recovery | 2469(v) | 24.2- 24.6 | 0.4 | 1449 | 50.3 | 6969 | 5625 | 24, 108 |
| | | 24.6- 26.5 m patchy small silic'd zones in congl, but | 2470 | 24.6-26.5 | 1. 9 | 0. | - | | | - |
| | | Agn. v. well preserved conal texture & etrano 622 | 2970 | 24.6-26.3 | 1. 1 | 80 | 15 | 316 | 43 | 320 |
| | | gen. v. well preserved congl texture & strong fizz. @ bottom of this interval start to get v. large, fig. grey. | | | | | | | | |
| | | massive 1st clasts. | | | | | | | | - |
| | | | | | | | | | | - |
| | | 26.5-28.2 mod-str silic'n & minor sulfides | 2471 (v) | 24.5 - 28. 2 | 1.7 | 275 . | 16.7 | 1409 | 5580 | 393 |
| | | but less intense & less minz'd than annes | | | - No ali | 210 | 10. | 1101 | 53.00 | 313 |
| | | @ 19.3-20.6 8 21.7-23.5 m. | 2472 | 28.2- 29.7 | 1.5 | 2 | 0.9 | 97 | 73 | 56 |
| | | @ 28.2 m ground core faulted contact. | | | | | | | | |
| | | Box 6 | | | | | | | | |
| 28.8-338 | FI (bx) | Dark grey limestone by in 40% angular -> 30.2-36.0 m | | | | | | | | |
| | | chert & fine chert peoble congl frags. In a black | | | | | | | | - |
| | | argillaceous gmass. | | | | | | | | |
| | | 0.11.2 | | | | | | | | |
| | | 29.1-29.25 m intensely silicid zone. | | | | | | | | |
| | | | | | | | | | | |
| 33.8- 34.1 | Fcg | Fine grained, massive, calcareous chert peoble congl -7 coarse sst, as in 10.0-14.8 m. | | | | | | | | |
| | | congl 7 coarse sst, as in 10.0.14.8 m. | | | | | | | | |
| | | Sharp upper contact @ 70° to C/A. Irreg sharp lower contact. | | | | | | | | |
| | | | | | | | | | | |
| 1-40.2 | Fc | Appanitie > fine grained, grey-tan coloured massive. hard cherty and tuffaceous siltstone. Box 7 | | | | | | | | |
| | | hard chesty and tuffaceous siltstone. Box 7 | | 141 | | | | | | |
| | | Locally v. fine rem fsp xtalo are visible. 36.0-40.2 m | | | | | | | | |
| | | Minor chl-py reinlets is bleached 1001, recovery | | | | | | | | |
| | | selveges. Common hairline co units. Bedding locally visible @ 70° to C/A. Local crackle bx text. | | | | | | | | |
| | | Visible & 70° to CIA. Local crackle by text. | | | | | | | | |
| | | 40.2 m E,O.H. | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

age 1 of 3

| PERTY FRANKLIN - BANNE | HOLE# FRO3 | -4 | | | |
|---------------------------|-------------------|------------|------------------------|-------------|-------------|
| | N 97+67E (approx) | Azimuth: | 070° | Started: | 3ept 26/03 |
| GPS 400257 E Claim: Doe 2 | 5490280N NAD 27 | Dip: | - 60° | Completed: | Sept 28/03 |
| 0 | | Depth: | 165' (50.3 m) | Drilled by: | Guy Delorme |
| Operator: Tuxedo Reso | DUTCES | Elevation: | 1037.5 m (Adit= 1000 m | Logged by: | Linda Caron |
| | | | datum) | | |

| | ROCK TYPE | DESCRIPTION | | SAMPLE | | Au | Ag | Cu | Pb | Zn |
|------------------|------------|---|----------|------------------|-----------------|-------|-------|-------|-------|------|
| From - To (m) | Lithology | | Sample # | From - To (m) | Interval (m) | (ppb) | (ppm) | (ppm) | (ppm) | (ppm |
| 0-2.1 m | Overburden | 80x 1 2.1 - 7.6 m | | | | | | | | |
| 2.1 - 6.4 m | F1 (bx) | Coarse grained, tan-grey coloured limestone bx -> 98+2 recovery conglom, as in FRO3-3 (2.1-3.9 m). 40-50% | | | | | | | | |
| | | angular -> subround 1st frags, < 1 cm -> > + cm, + lesser subround | | | | | | | | |
| | | chest and cherty sittstone frags in a fine grained calcareous (NOT argillaceous) into Miner diss py. | | | | | | | | |
| | | massive pateles. Box 2 | | | | | | | | |
| | | 5.1 - 6.4 m >> charty siltst frags. 951% recovery | | | | | | | | |
| 6.4 - 8.4 | Fcg | | | | | | | | | |
| | 0 | Dark grey v. fire graved conglor to coarse grained calcareous sandstone. Dom chert grains and 1-2mm, beser 1st, silts, arg. Calcareous mtrx. Abund fire ce stringers. | | | | | | | | |
| | | Himor py units. | | | | | | | | |
| | | @ 8.4 m sharp but v. irreg contact, generally @ low core angle. | | | | | | | | |
| 3.4 - 14.7 | Fa | Aphanitic black argillite > argillaceous siltstone with minor | | | | | | | | |
| | | conglon interpeds as listed below. Fine lamellar bedding is locally visible @ 20-30° to CIA. Common CC BOX 3 | | | | | | | | |
| | | Veinlets and gash filling. Minor local crackle 12.9-18.7 m bx zones. Minor py-dissem & unts. 95+7. recovery | | | | | | | | |
| | | 10.3-10.9 fine conglom interbed @ 20° to c/A 12.7-12.9 fine conglom interbed. Sharp but irreg contact | | | | | | | | |
| | | | | | | | | | | |
| | | @ 14.7 sharp but v. irreg contact at generally low core angle. | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

PROPERTY FRANKLIN BANNER

HOLE # FRO3-4

| | ROCK TYPE | DESCRIPTION | | SAMPLE | | Au | A a | Cu | T DL | 7 |
|------------------|-----------|---|----------|-------------|----------|-------|-------------|-------|-------|------------|
| From - To (m) | Lithology | | Sample # | From - To | Interval | (ppb) | Ag (ppm) | (ppm) | (ppm) | Zn (ppn |
| | | | | (m) | (m) | _ | | | | |
| 14.7 - 25.0 | Fcg | Grey, fine grained, massive, clast supported Box 4 | | | | | | | | |
| | 3 | polymiche carely in 90% 3 mm are colored 18.7 - 24.3 m | | | | | | | | |
| | | clasts of dom chart + laser and sites | | | | | | | | |
| | | polymichic conglam w 90%. 3 mm avg, subround clasts of dom. chert + lesser arg, siltst, in a calcareous gmass. Common cc units. Minor py. Occassional virreg interfingering banks to 10 cm, of black argillaceous siltstone | | | | | | | | |
| | | Visito interference body to the control by Occassional | | | | | | | | |
| | | to the black argillacebos sills tone | | - | | | | | | |
| 5.0 - 26.5 | Fcg Fs | V mixed interval w bands of calcarcous conglom as above, | | | | | | | | |
| | 0. | + of buff-grey crackled cherty siltetone and Box 5 | | | | | | | | _ |
| | | of friely lamellar argillaceous sittstone. 24.3-30.1 m | | | | | | | | |
| | | | | | | | | | | |
| 26.5 - 33.4 | Fcq (Fs) | Fire graved dark any colours set as is some servery | | | | - 1 | | | | |
| | 3 | Fine grained, dark grey calcarcous set as in FROZ-3 (13.5-14.8), but price grained. Argillaceous calcarcous | | | | | | | | |
| | | grass, fine 1st + chert grains. | | | | | | | | |
| | | Justine . | | | | | | | | |
| | | 29.9.33.4 m quite abount change @ Box 6 | | | | | | - | | |
| | | 45° to UA to a massive, tan, calcareous 30.1-35.7 m | | | | | | | | |
| | | tuffaceous set to fire conglom. Dom chert 95% recovery | | | | | | | | |
| | | grains, lesser siltst, argillik + fsp shards. | | | | | | | | |
| | | • | | | | | | | | _ |
| 3.4-42.2 | Fe (bx) | Charse bx v. hard dom angular chert frags + lesser ssb. 16t e argillite frags. Both a crackle bx and a mtrx supported bx | | | | | | | | - |
| | | availlite frags. Both a crackle by and a mich supported by | 2473 | 33.4-35.2 | 1.8 | 146 | 22.1 | | 117/0 | |
| | | with a green, fine grained, calcareous +- sulfidic Box 7 | -112 | 33.4 33.2 | 1.0 | I TIO | 24.1 | 2231 | 4762 | 42 |
| | | with a green, fine grained, calcareous +/- sulfidic 80x 7 with. Poss. this is (lacally) a silic'd let bx - 35.7-41.3 m | 2474 | 35.2 - 37.2 | 2.0 | 170 | 4.2 | 2.11 | 10.1 | 22 |
| | | clasts. 21. sulfides - dom py minor sphal | | 75.7 71.6 | | 170 | 7 | 304 | 1861 | 2 2. |
| | | clasts. 27. sulfides - dom av minor sphal | 2475 | 37.2-39.2 | 2.0 | 8 | 1 | 55 | 113 | |
| | | throughout, but >> @ top of interval. | | 31.4 31.4 | 2.0 | - 8 | - 1 | 22 | 113 | 29 |
| | | | 2476 | 39.2-42.2 | 3.0 | 41 | 1.2 | 104 | 150 | |
| | | 38.4 - 35.2 Siliceous bx is angular frags of chert? silicid lot / 2/or | 211- | | | - 11 | 1.2 | 101 | 150 | 46 |
| | | fre calc constant in a green-black sulfidic | | | | | | | | |
| | | notice w 2-54 sulfides py-spal-gal-cpy, as 41.3-469m | | | | | | | | _ |
| | | bx mtrx & mino (Stringers. | | | | | | | | |
| | | 98), recovery | | | | | | | | |
| | | Local zones of intense silicin @ 35.2-35.3, 36.2-36.6, | | | | | | | | |
| | | 40.6-40.9 41.1-41.35. | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | - | | | | |
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| | ROCK TYPE | DESCRIPTION | | SAMPLE | | Au | Ag | Cu | Pb | Zn |
|------------------|-----------|---|----------|---------------|-----------------|-------|-------|-------|-------|-------|
| From - To (m) | Lithology | | Sample # | From - To (m) | Interval (m) | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) |
| 42.2 - 50.3 | FI (bx) | Mottled grey - black limicstone bx & Box 9 angular grey 1st frags / minor check city 46.9 - 50.3 m | 2477 | 422-44.7 | 2.5 | ч | 0.6 | 46 | 145 | 606 |
| | | Mottled grey - black limicstone bx \$\overline{\text{b}}\$ & \$\overline{\text{B}}\$ & \$\overline{\text{B}}\$ & \$\overline{\text{B}}\$ & \$\overline{\text{G}}\$ & \$\overline{\text{B}}\$ & \$\overline{\text{B} | 2478 | 44.7 - 46.9 | 2.2 | 54 | 0.6 | 60 | 176 | 48 |
| | | Gradational upper contact, with 1st frags becoming increasingly abundant. | | | | | | | | |
| | | Minor narrow qtz units @ v. low core angles + patchy local sillc'n. | | | | | | | | |
| | | 45.6-45.7 m siltstone interbed 49.9-50.1 m siltstone interbed @ 70° to GA. | | | | | | | | |
| | | 50.3 m E.O.H. | | | | - | | | | |
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page 1 of 2

| PROPERTY FRANKLIN - BANNER HOLE # FRO3- | 5 | | | |
|---|----------------------|---------------------------------------|------------------------|--------------------------------------|
| Coordinates: Grid 99+54 N 97+67 E Approx) GPS 400257 E, 5490280 N NAD 27 | Azimuth: Dip: | 290° -60° | Started: Completed: | Sept 28/03 |
| Claim: Doe 2 Operator: Tuxedo Resources | Depth: Elevation: | 147' (44.8 m) 1037.5 m (Adit=1000m | Drilled by: | Sept 29/03 Guy Delorme Linda Caron |
| | | datum) | | |

| | ROCK TYPE | DESCRIPTION | | SAMPLE | | Au | Ag | Cu | Pb | Zn |
|---------------------|-------------|--|----------|------------------|-----------------|-------|-------|-------|-------|-------|
| From - To (m) | Lithology | | Sample # | From - To (m) | Interval (m) | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) |
| 0-9.8m 9.8-11.2m | | Dark grey, coarse limestone bx w large, 95% recovery | | | | | | | | |
| | | Dark grey, coarse linestone bx w large, 95% recovery angular grey 1st (+ lesser cherty siltst) frags in a black argillaceous gmass. Typically clast supported, but locally mtx supported. | | | | | | | | |
| 1.2 - 18 m | Fig / Fa(1) | Interbedded zone of thine grained, calcareous polymictic conglom (to coarse set) and 2) black argillaceous siltstone. As in FRO3-3 (3.9-10.0 m). Bedding @ 95% recovery 60-70° to C.A. Common CL Units. | | | | 2. | | | | |
| 18-26 m | Fcg | 18-24 m Grades down hole into a coarse tan calcarcous set to fine conglom is subangular fine Box 3 | 1 | | | | | | | |
| | | sst to fine conglom is subangular fine polymichic clasts. Internixed with minor narrow, v. fing grey liney interbeds. Common (L vn1B. Minor py. V. local, minor patchy Silicid zones. | 2479 | 19-22.0 | 3.0 | 66 | 0.7 | 30 | 48 | 88 |
| | | | 2480 | 24.0 - 260 | 2.0 | 29 | 0.7 | 26 | 73 | 298 |
| | | 24-26 m Coarse blackish-grey clast supported conglom/bx in rounded to subangular frags of chert, limestone, calcareous set and argillite. Frags 20.5 cm => >5.0 cm. Common CC units, minor Py. Minor narrow gtt/silirid bands. | | | | | | | | |
| | | | 7 | | | | | | | |
| | | | | | | | | | | |

PROPERTY FRANKLIN - BANNER HOLE # FRO3.5

page 2 of 2

| | ROCK TYPE | DESCRIPTION | | SAMPLE | | Au | Δα | Cu | DL | |
|------------------|-----------|---|-------------|---------------|----------|-----------|-------------|-------------|-------------|-------------|
| From - To (m) | Lithology | | Sample # | | Interval | (ppb) | Ag (ppm) | Cu (ppm) | Pb (ppm) | Zn (ppm) |
| 26 - 35.7 m | 11-1 | | 7 | () | (111) | _ | | | | - |
| (6 - 33.1 M | Vein | Strong att vein / intensely silicid zone. Box 4 | 2482 / | 1 26.0 - 27.0 | 1.0 | 0.11 9 1t | 10.5 | 0.2% | 0.05 % | — |
| | | Massive dense mottled grey-white silica is 26.4-32.0 m | 2483 /v |) 27.0 - 28.0 | 1.0 | 0.21 914 | | | | |
| | | hairline cc stringers. Occassionally see remnant 10% recovery | 2484 (v | 28.0 - 29.0 | 1.0 | 0.37 9/1 | | 0.15 % | 0.10 % | 0.41 |
| | | chert pebble conglom texture. Local crackle by his miner | | 29.0 - 30.0 | 1.0 | 0.63 9/4 | | 0.12 1/. | 0.03 % | - |
| | | cherty silts for as). | 2486 (v | 30.0-31.0 | 1.0 | 3.14 9/1 | 26.5 | 0.18 % | 1.13 % | 1, 22 |
| | | Well minzid to 5-10% sulfides, dom sphal + losser gal, py, cpy. | 21197 / | | | 0.39 316 | 9 | 0.06 % | 0.48 % | |
| | | Denal = galena occur a intermixed hands to 1.5 cm. + n | 435 2488 (V | 32.0 - 33.0 | 1.0 | 0.72 9/4 | | 0.12 % | 0.40 /. | 2. 2 |
| | | partines & aissem. Suinde panas are | 2484 IV | 33.0 - 34.0 | 1.0 | 5.16 9/2 | | 0.42 % | | 3.6 |
| | | typically @ 50.80° to ch. Sohal is both 320-276 | 2490 (V | 34.0 - 35.0 | 1.0 | 0.74 9/2 | 16.5 | 0.25% | | 4.7 |
| | | reddish - brown (dom.) and lesser pale honey 98+7. recover | 2491 (1) | 35.0 - 35.7 | 0.7 | 0.56 9/2 | | 0.10 % | | 2.34 |
| | | coloured particularly is the lower part of the interval | | 30.1 | | 0.00 5/6 | 1.0 | 0.10 7. | 0.26 /. | 1. 72 |
| | | Py, cpy -dissem. V.good recovery through vein | | | | e | | | | _ |
| | | Vigod recovery through vein | | | | | | | | - |
| | | Sharp vein contacts - upper & 80° to 4A | | | | | | | | |
| | | Sharp vein contacts - upper & 80° to 4A lower @ 70° to C/A. | | | | | | | | |
| 11: 1 | | | | | | | | | | |
| 5.7-41.1 | FI (bx) | Black argillaceous 1st by (15 minor chert class) | 2492 | 35.7-37.7 | 2.6 | 1 | 1 | 155 | 98 | 1353 |
| | | is minor interbedded black argillaceous siltstone. U. minor, fra. | | | | | | 133 | - 00 | 1333 |
| | | dark arey. Dolymetic conglom interpeds. Alimenia massive | 2493 | 37.7-39.7 | 2.0 | 40.5 | 0.4 | 57 | 29 | 131 |
| | | att / silica units to 2 cm. & 10-45° to c/a. decreasing in | | | | | 0.1 | | 61 | 131 |
| | | abundance down hole away from vein. Trace py. | 2494 | 39.7 - 41.1 | 1.4 | 87 | 0.6 | 89 | 68 | 292 |
| | | Box t- | חר | | | | | | - 00 | - 11 |
| | | Gradational lower contact in fewer 1st clasts 37.6-43.2 m | 2495 | 41.1-42.1 | 1.0 | 7 | 0.3 | 77 | 48 | 188 |
| | | 8 mcreasing chert clasts. 98+7. recover | | | | | | | 70 | 100 |
| | | 101% 1210001 | 2496 | 42.1-44.8 | 2.7 | 14 | 1.5 | 468 | 92 | 443 |
| 1.1 - 44.8 | FC | Tan-brown, mottled, massive, v. hard, aphanitic chert to | | | | | .,. | 700 | 1- | 443 |
| | | cherty siltstone V. faint bodding locally visible. Common | | | | | | | | |
| | | chi-py stockwork venilets may have bleached selveres. Win | | | | | | | | |
| | | local bx's. Common Cc stringers & gash | _ | | | | | | | |
| | | filling. Becomes paler more bleached looking Box 7 | | | | | | | | |
| | | @ ~ 43.4 m. 43.2 - 44.8 m | | | | | | | | |
| | | 1007. recovery | | | | | | | | |
| | | 41.1 - 42.1 m minor zones of intense por silicin. | | | | | | | | |
| | | 44.8 m E.O.H. | - | | | - | | | | |
| | | | | | | | | - | | |
| | | | | | | | | - | | |
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| PROPERTY FRANK | LIN - BANNER | HOLE# FRO3 | -6 | | | |
|-------------------|----------------------|------------|------------|----------------------|-------------|--------------|
| Coordinates: Grid | 99+54 N. 97+67 E | _ | Azimuth: | 210 | Started: | Sept 29/03 |
| GPS | 400 257 E, 5490280 N | _ NAD _27 | Dip: | -60 | Completed: | Sept 30/03 |
| Claim: | Doe Z | | Depth: | 100' (30.5 m) | Drilled by: | Guy Delorme |
| Operator: | Tuxedo Resources | _ | Elevation: | 1037.5 m (adit=1000m | Logged by: | J.S. Kermeen |

| DOMINANT | ROCK TYPE | DESCRIPTION | | | SAMPLE | | Au | Ag | Cu | Pb | Zn |
|------------------|------------|--|--------------------------------------|----------|--------------|-----------------|--------------|-------|-------|-------|------|
| From - To (m) | Lithology | | | Sample # | From - To | Interval (m) | (ppb) 91t | (ppm) | (ppm) | (ppm) | (ppm |
| 0 - 1.55 | Overburden | | | | | (/ | | | | | |
| 1.55 - 9.30 | Fcg | Mainly coarse sharpstone conglomerate; chiefly white to grey fragments of chert; some carbonate in matrix throughout; Jainting (possibly bedding?) @ 40-50° to C/A. 471-5.0 - aphanitic black cherty shale 5.33.5.66 | | | | | | | | | |
| 9.30 -10.30 | Fa | Black aphanitic shale network of white carbonate Valts throughout. Contacts & larger carb vas (0) 7.30 - 1 25° to c/A. 95%. | | | | | | | | | |
| 0.30-1660 | Fcg | Conglomerate: pale grey-green, fine grained. 50% angular the fragments; some carbonate in matrix throughout. No distinct foliation. | ert bedding | | | | | | | | |
| 6.60-21.34 | Fcg | Coarse grained sharpotone, silicified and with 12.60 - | 80× 3 12.60 - 18.29 95% recov. | | 16.7 - 17.7 | 1.0 | 6.03 glt | 2.2 | - | - | - |
| 14 | | 95% | recov. | 2498 | 17.7-18.44 | 0.74 | 0.11 9/4 | 8.4 | _ | _ | _ |
| | | 19.5-19.8 Quarta Vein. Lower contact sharp @ 45°, upper contact irregular at low angle to c/A. sparce pyrrh, ga | | 2499 | 18.44-19.44 | 1.0 | 0.02 git | 4.2 | _ | _ | - |
| | | an fractures. | - | 2500 | 19.44-19.80 | 0.36 | 0.27 git | 22.2 | _ | | |
| -34-30.48 EOH | Fcg | Sharpstone conglom - variable grain size, some polymistic sections: numerous short intervals of aphanitic cherty black shale. Box 4 18.29 - of aphanitic cherty black shale. 95% re | 23.40 | 2501 | 19.80-20.80 | 1.0 | 0.04 g18 | | _ | _ | |
| | | of aphanitic cherty black shale. 95% r | ecov. | 2502 | 20.86_ 21.70 | 0.9 | 0.02 912 | 3.8 | - | | - |
| | | | | | | | | | | | |
| | | 80x 6 29.2 - 30.48 29.2 - 30.48 | 9.2 | | | | | | | | |
| | | E.O.H. 17% F | | | | | | | | | |

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| PROPERTY | FRAN | KLIN - BANNER | HOLE # FRO3- | 7_ | | | |
|-------------|------|-------------------|--------------|------------|----------------------|---------------|--------------|
| Coordinates | | 100+05 N, 97+74 E | | Azimuth: | 200 | Started: | Sept 30/03 |
| C1 : | GPS | 400235 E, 5490326 | N NAD 27 | Dip: | - 53 | Completed: | Oc+ 2/03 |
| Claim: | | Doe 2 | | Depth: | _ 170' (SI.8 m) | Drilled by: | Guy Delorme |
| Operator: | | Tuxedo Resources | _ | Elevation: | 1031.1 m (Adit = 100 | Om Logged by: | J.S. Kermeen |

| | ROCK TYPE | DESCRIPTION | | SAMPLE | | Au | Ag | Cu | Pb | Zn |
|------------------|------------|---|----------|---------------|-----------------|--------------|-------|-------|-------|-------|
| From - To (m) | Lithology | | Sample # | From - To | Interval (m) | (ppb) 9/t | (ppm) | (ppm) | (ppm) | (ppm) |
| 0.60-230 | Overburden | | | | () | 110 | | | | |
| 2.30-23.60 | Feg | Chiefly coarse grained sharpstone conglomerate. Little evidence of stratification or foliation. Most joints 45-60 to C/A. Fragments largely checty but with polymicite intervals. | | | | | | | | |
| 23.60 - 24.58 | Fc | Aphanitic hard, light greenish grey to buff coloured. Upper contact @ 45°, lower contact @ 80° to C/A. 24.10 Compate Value of the C/A. | 2503 | 23.55 - 24.65 | 1.10 | 0.05 | 1.7 | _ | - | - |
| | | 24.10 1 cm gtz vn w minor sulfides 24.54 " Veins @ 75° to core Box 2 14.34 - 19.20 m 98% recov | 2504 | 24.65- 25.45 | 0.80 | 0.05 | 4.7 | _ | | - |
| -4.58-31.60 | Fcg | Charse grained sharpstone rough with silic'd sections and chert intervals as noted below. | 2505 | 25.45-26.30 | 0.85 | 0.08 | 4.7 | | _ | _ |
| | | 24.58-25.45 sille'd 25.45-26.35 possibly some tectonic breccia. Shot thru with network of fine veinlets of prange coloured soft material which does not 98% vecov. | | | | | | | | |
| | | react to acid. 28.16 - 28.60 chert, similar to 23.60 - 24.58. A few minor irregular git wins with minor sulfides. | | | | | | | | |
| 1.60 - 41.20 | Fcg | Coarse grained sharpstone congl. with intervals (or large fragments) of chert. BOX 4 24.38-30.00 m 98% recov. | 2506 | 38.70-39.82 | 1.12 | 0.12 | 17.3 | - | _ | - |
| | | 37.79-40.5 "Vein" varies from silic'd to vein quartz. Sulfides including pyrrhotite, chalcopyrite. | 2507 | 39.82 - 40.90 | 0.68 | 0.08 | 1, 3 | _ | | _ |
| | | This vein is considerably meaker than the "vein" in | 2508 | 40.50- 41.00 | 0.50 | 0.03 | 1.7 | - | | _ |
| | | hole FR03-5 Box 5 30.0 - 35.4 m 98% recov | | | | | | | | |

PROPERTY FRANKLIN - BANNER HOLE # FRO3-7

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| DOMINAN | ROCK TYPE | DESCRIPTION | | | SAMPLE | | Au | Ag | Cu | Pb | Zn |
|------------------|-----------|---|--------------------------------------|----------|---------------|-----------------|-------|-------|-------|-------|------|
| From - To (m) | Lithology | | | Sample # | From - To (m) | Interval (m) | (ppb) | (ppm) | (ppm) | (ppm) | (ppm |
| EOH | Fc | Similar to 23.60 - 24.58. To 48.20 has intervals of coarse sharpstone conglon. Miner qir vis with miner pyrchetite here and there. | BOX 6 35.4 - 41.0 98% recov. | | (11) | () | | | | | |
| | | | BOX 7 41.0 - 46.85 95% recov. | | | | | • | | | |
| | | | Box 8 46.85 - 51.82 95% recov. | | | | | | | | |
| | | | | | | | | | | | |
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| PROPERTY | FRAN | IKLIN - BANNER | HOLE# FRO3- | 8 | | | |
|--------------|------|--------------------|-------------|------------|-------------------------|-------------|--------------|
| Coordinates: | Grid | 100+05 N 97+74 E | _ | Azimuth: | | Started: | nct 2/03 |
| | GPS | 400235 E 5490326 N | NAD 27 | Dip: | -90 | Completed: | Oct 3/03 |
| Claim: | | Doe 2 | _ | Depth: | 187' (57.0 m) | Drilled by: | Guy Delorme |
| Operator: | | Tuxedo Resources | _ | Elevation: | 1031.1 m (Adit = 1000 m | Logged by: | J.S. Kermeen |

| DOMINANT R | OCK TYPE | DESCRIPTION | | | SAMPLE | | Au | Ag | Cu | Pb | Zn |
|------------|------------|---|-----------------|----------|-------------|----------|--------|-------|---------|--------|-------|
| From - To | Lithology | | | Sample # | From - To | Interval | (ppb) | (ppm) | (ppm) | (рреп) | (ppm) |
| (m) | - | | | | (m) | (m) | 9/4 | | 7. | 9. | 1/2 |
| 0 - 2.4 | overburden | | | | | | | | | | |
| 212 | | | Box 1 | | - | | | | | - | |
| 2.4 - 34.3 | Fcg | Chiefly coarse grained conglomerate with | 2.40 - 7.82 | - | | | | | | - | |
| | | angular fragments - commonly angular chert | 98% recov. | | - | | | | | - | _ |
| | | fragments ("sharpstone") but also polymiche as | | - | | | | | | | |
| | | noted. Also short intervals of impure chart and c | herty amillite. | | | | | | | | |
| | | 5.2-5.9 Black aphenitic charty angillite (Fa), upp | er contact | | | | | | | | |
| | | sharp @ 35" to c/a. In part finely banded @ | Box 2 | 2509 | 31.8-32.8 | 1.0 | 6.03 | 1.2 | | | 0.04 |
| | | 35° to C/A. | Box 7 | 2510 | 32.8 - 33.3 | 0.5 | 0.21 | 65.8 | 0.69% | | |
| | | 6.71-14.3 polymichi | 7.82 - 13.32 | 2511 | 33.3- 34.3 | 1.0 | 0.05 | 3.5 | 0.08 7. | 0.13% | 0.15 |
| | | 10.7-10.92 Aphanitic gray Fc - contacts sharp | 98% recov. | 2512 | 34.3 - 35.4 | 1.1 | 0.08 | 2.8 | _ | - | - |
| | | @ 45° to UA | | 2513 | 35.4- 36.4 | 1.0 | 4.01 | 1.1 | - | - | - |
| | | 14.44 Uvggy weathered fracture | | 2514 | 36-4 - 37.6 | 1, 2 | 0.62 | 0.8 | - | - | - |
| | | 22.95-25.20 finer grained conglomerate | | 2515 | 37.6-38.6 | 1.6 | 4.01 | 1.6 | - | - | - |
| | | 25.20 - 25.40 aphanitic black cherty argillite bx'd | Вох З | 2516 | 38.6-39.6 | 1.0 | 0.62 | 1,5 | • | - | - |
| | | upper contact @ 40° to C/A | | 2517 | 39.6-40.6 | 1.0 | 0.01 | 1 | - | - | - |
| * | | 32.80 - 33.30 VEIN MATERIAL | 13.32 - 19.46 | 2518 | 40.6 41.6 | 1.0 | 0.01 | 2.5 | _ | - | - |
| 12 | | 33.0 5 cm wide un @ 45° to c/A, 20%. | 93% recov. | 2519 | 41.6-42.6 | 1.0 | 4.01 | 1.7 | - | | - |
| | | culfides - sphal, gal, cpy | | 2520 | 42.6 - 43.6 | 1.0 | 4.01 | 0.3 | _ | - | - |
| | | | | 2521 | 43.6 - 44.6 | 1.0 | 0.03 | 0.6 | | - | - |
| 4.3-52.6 | FC | Aphanitic grey to buff to pale greenish grey of | hert to cherty | 2522 | 44.6.45.6 | 1.0 | 0.01 | 1.5 | - | - | |
| | , | silt stone. Short intervals of sharpstone. | | 2523 | 45.6 - 46.6 | 1.0 | 401 | 1.4 | - | | |
| | | Pyrrholik veins and blotches and small gtz | 80×4 | 2524 | 46.6 - 47.6 | 1.0 | 0.01 | 40.3 | - | - | - |
| | | veine here and there throughout (decided | 19.46 - 24.80 | 2525 | 47.6 48.6 | 1.0 | 0.01 | 40.3 | - | - | - |
| | | to sample most of it). | 99% recov | 2526 | 48.6 - 49.6 | 1.0 | 0.01 | 3 | | - | - |
| | | | | 2527 | 49.6-50.6 | 1.0 | 0.01 | 40.3 | | - | - |
| | | 35.0-35.10 poss un qtz | | 2528 | 50.6 - 51.6 | 1.0 | 4 0.01 | <0.3 | - | - | |
| | | 37.2 - 37.40 Un 94 - pyrchotik | | 2529 | 51.6 52.6 | 1. D | < 0.01 | 0.3 | | - | |
| | | | | | | | | | | | |
| | | | Box 5 | | | | | | | | |
| | | | 24.80-30.20 | | | | | | | | |

| DOMINANI | ROCK TYPE | DESCRIPTION | | | SAMPLE | | Au | Ag | Cu | Pb | Zn |
|------------------|-----------|--|---------------------------------------|----------|------------------|-----------------|-------|-------|-------|-------|------|
| From - To (m) | Lithology | | | Sample # | From - To (m) | Interval (m) | (ppb) | (ppm) | (ppm) | (ppm) | (ppm |
| 52.6-57.0 EOH | Fcg | Mixture of polymichic and sharpstone conglomerate. | 80×6 30.20-35.70 98%, reov | | | | | | | | |
| | | | | | | | | | | | |
| | | | BOX 7 35.70 - 41.25 967. recov | | | | | • | | | |
| | | | | | | | | | | | |
| | | | BOX 8 41.25 - 47.10 91/2 recov | | | | | | | | |
| | | | | | | | | | | | |
| · | | | Box 9 47.10 - 52.43 996 recov. | | | | | | | | |
| | | - | | | | | | | | | |
| 4 | | | BOX 10 52.43 - 57.0 991, recov. | - | | | | | | | |
| | | | 1 17. 12.50 | | | | | | | | |
| | | | | | - | | | | | | |

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| PROPERTYF | RANK | KLIN - IXL | _ | HOLE | #_ 1110 | 3-1 | | | |
|--------------|------|------------|-----------|------|---------|------------|----------------|-------------|--------------|
| Coordinates: | Grid | | | _ | | Azimuth: | 315° | Started: | Oct 6/03 |
| | GPS | 397837 E | 5488407 N | _NAD | 27 | Dip: | - 45° | Completed: | Oct 14/03 |
| Claim: | | 1XL #1-99 | | _ | | Depth: | 429' (130.7 m) | Drilled by: | Guy Delorme |
| Operator: | - | Tuxedo Res | ources | - | | Elevation: | | Logged by: | J.S. Kermeen |

| | ROCK TYPE | DESCRIPTION | | | SAMPLE | | Au | Ag | Cu | Pb | Zn |
|------------------|-----------|--|--|----------|------------------|-----------------|--------------|-------|-------|-------|------|
| From - To (m) | Lithology | | | Sample # | From - To (m) | Interval (m) | (ppt) glt | (ppm) | (ppm) | (ppm) | (ppm |
| 0-6.71 | Casing | | | | | | | | | | |
| | 0 | | BOX 1 . | 2531 | 6.7 - 7.9 | 1.2 | 0.05 | - | | | - |
| 0.71-20.39 | Fv | Pale greyish green to medium green, fine | | 2532 | 7.9 - 9.1 | 1.2 | 0.05 | _ | - | _ | |
| | | grained volcanic, quite hard, probably dacite | 70% Recov | 2533 | 9.1 - 10.3 | 1. 2 | 0.13 | - | - | | - |
| | | to rhyolite in composition, however on broke. | surfaces | 2534 | 10.3 - 11.3 | 1.0 | 0.33 | | _ | - | - |
| | | appears to be considerable black Chlorite fractu | ring - increases | 2535 | 11.3 - 12.5 | 1.2 | 0.52 | - | | - | - |
| | | through the section to near brecciation at low | | 2530 | 12.5 - 12.75 | 6.25 | 1.03 | - | | - | - |
| | | Mineralized with pyrrhotite and some pyrite | | 2536 | 12.75 - 13.5 | 0.75 | 0.21 | _ | | - | _ |
| | | throughout, chiefly as fine stringers but also | Box 2 | 2537 | 13.5-14.5 | 1.0 | 1.21 | - | - | - | - |
| | | as disseminated grains. Considerable magnetite | 1000 TO 1000 T | 2538 | 14.5 - 15.5 | 1.0 | 3.12 | | - | - | _ |
| | | occurs with sulfides in places suggesting it | 87). Recov | 2539 | 15.5-163 | 6.8 | 0.56 | - | - | | |
| | | is epigenetic rather than an original constitue | nt of the | 2540 | 16.3-17.0 | 0.7 | 3.04 | | - | - | - |
| | | volcanic. May be a fine grained tuff (needs | a thin section). | 2541 | 17.0 -18.0 | 1.0 | 3.51 | - | - | - | - |
| | | Weak to moderate pistachio green epidote alte | | 2542 | 18.0 - 19.0 | 1.0 | 3.69 | - | - | _ | - |
| | | and there both along fractures and | | 2543 | 19.0 -19.6 | 0.6 | 10.91 | - | - | - | - |
| | | replacing breecia fragments. No distinct flow | Box 3 | 2544 | 19.6-20.5 | 0.9 | 2.68 | - | - | - | - |
| | | banding or bedding. | 19.0 - 24.7 | 2545 | 20.5 - 21.0 | 6.5 | 0.43 | ı | - | , | - |
| · - | | | 95% Recov | 2546 | 21.0 - 22.0 | 1.0 | 0.11 | - | - | - | - |
| | | 11.7-11.9 Quartz vein . Milky white to pinkish, co | 1+ac+s @ 30° | 2547 | 22.0 - 23.0 | 1.0 | 0.04 | - | - | | - |
| | | to C/A. Fine stringers of sulfides within the vain | and in | 2548 | 23.0 - 24.0 | 1.0 | 6.12 | _ | - | - | - |
| | | silicified host rx adjacent to the vein. | | 2549 | 24.0 -25.0 | 1.0 | 1.11 | - | - | _ | - |
| | | | | 2550 | 25.0 - 26.0 | 1.0 | 0.66 | | - | 2 | - |
| 4 | | 16.3-16.65 20% pyrrhotite, 5% pyrite, in | Box 4 | 2551 | 26.0 - 27.0 | 1.0 | 3.75 | - | _ | - | - |
| | | part strongly magnetic due to magnetite. | 24.7 - 30.2 | 2552 | 27.0-28.0 | 1.0 | 3.08 | - | - | - | - |
| | | Somewhat brecciated. | 98%. Recov | | 28.0-28.7 | 6.7 | 1.62 | - | - | - | _ |
| | | 16.90 - 17.0 3 cm wide seam of pyrrhotite/pyrite/ | magnetite C | | | | | | | | |
| | | 25° to UA cutting earlier fine, close spaced s | tringers of po/py. | | | | | | | | - |
| | | 16.3 - 20.39 Increased bx'n & silre'n. Some | 0-4-5 | | | | | | | | |
| | | atz-sulfide valts @ 30-40° to UA. | Box 5 | | | | | | | | |
| | | | 30.2 - 35.8 | | | | | | | | |
| | | | 967. Recov | | | | | | | | |

PROPERTY FRANKLIN - IXL HOLE # 1XL03-1

| | ROCK TYPE | DESCRIPTION | | | SAMPLE | | Au | Ag | Cu | Pb | Zn |
|-------------|-----------|--|----------------------|-----------|-------------|----------|-------|---------|----------|----------|-------------|
| From - To | Lithology | | | Sample # | From - To | Interval | (ppb) | (ppm) | 10 35550 | 100/5050 | |
| (m) | | | | Sumple ii | (m) | (m) | 9/t | (bbiii) | (ppm) | (ppm) | (ppm |
| | | 19.0-19.6 9tz vning @ 20° to c/A w py | | 2554 | 36.0-37.0 | 1.0 | 0.25 | - | _ | - | - |
| | | 1 some cpy | | 2555 | 37.0 - 38.0 | 1.0 | 0.25 | _ | - | _ | |
| | | | | 2556 | 38.0-39.0 | 1.0 | 0.2 | _ | | - | _ |
| 0.39-24.0 | P | Massive porphyritie igneous rx with | | 2557 | 39.0-40.0 | 1.0 | 0.19 | - | - | - | - |
| | | light grey phenocrysts of git and feldspar 1- | 3 mm across | 2558 | 40.0-41.0 | 1.0 | 0.22 | _ | | - | - |
| | | In apparite aroundmass. Very hard and cilice | ous . Dossible | 2559 | 41.0 - 42.0 | 1.0 | 0.29 | - | - | _ | _ |
| | | a hypabyssal phase of the volcanic or a late | r intrusive. | 2560 | 42.0-43.0 | 1.0 | 0.21 | | | _ | _ |
| | | Contacts are ragged with no clear indication | of anale to | 2561 | 43.0-44.0 | 1.0 | 0.35 | _ | _ | | _ |
| | | core. Sparse Sulfides, both as disseminated | Box 6 | 2562 | 44.0-45.0 | 1.0 | 0.31 | - | - | _ | - |
| | | grains and fine veinlets throughout. | 35.8 - 42.4 | 2563 | 45.0-46.0 | 1.0 | 0.13 | - | | | |
| | | | BB%. Recou | 2564 | 46.0-46.9 | 6.9 | 0.05 | - | _ | | |
| 1.0- 28.6 | Fv | Similar in composition to 6.71-20.39 . Similarly | | 2565 | 46.9-47.5 | 0.6 | 0.23 | - | | | |
| | | brecciated, silicified and gto veined and epidote a | Heratian but | 2566 | 47.5 - 48.5 | 1.0 | 0.67 | - | | - | |
| | | much less sulfaces. | 110 | 2567 | 48.5 -49.5 | 1.0 | 0.46 | - | _ | - | - |
| | | | | 2568 | 49.5 -50.5 | 1.0 | 1.15 | _ | | - | |
| | | 24.0-26.0 weakly magnetic | Box 7 | 2569 | 50.5-51.5 | 1.0 | 1, 28 | | - | - | _ |
| | | 260-28.6 Strangly magnetic apparently due | 42.4 - 48.0 | 2570 | S1.S - S2.5 | 1.0 | 0.76 | - | _ | - | _ |
| | | to magnetite; more silicification and sulfides | 0.61 m 'clay' @ 42.4 | 2571 | 52.5-53.5 | 1.0 | 0.42 | _ | _ | - | |
| | | than previous section | | 2572 | 535-54.6 | 1.1 | 0.25 | | - | - | |
| | | The state of the s | | 2573 | 54.6-561 | 1.5 | 0.25 | | | - | - |
| 8.6 - 57.91 | P | To 39.0 the rock is identical to 20.39-24.0 | about Read | 2574 | 56.1-57.6 | 1.5 | 0.32 | _ | _ | _ | |
| | | 39.0 the rock becomes increasingly more silicifi | id a buid | 2575 | 57.6- 60.1 | 2.5 | 0.03 | - | | - | |
| | | and with sulfides (chiefly pyrrhotite in veins | | 2576 | 60.1 - 61.8 | 1.7 | 0.02 | _ | - | - | |
| | | a blebs until by 47.0 it could be described | Box 8 | | 66.8-68.3 | 1.5 | 0.02 | - | _ | - | |
| | | (almost) as a preceiated at un. Toward the | 48.0 - 53.3 | | 71.0-71.6 | 0.5 | 0.08 | _ | _ | - | |
| | | end of the interval the porphyritic nature of | | | 95.6-97.2 | | | _ | - | - | _ |
| | | the ne the interval the parphyrine nature of | the filest | 2580 | 105.8-107.6 | 1.6 | 0.11 | | - | _ | _ |
| | | the rock is vaguely apparent. Breaks irregularly chlorik? coating surfaces - alteration? | 4 with black | 2500 | 105.8-107.6 | 1.6 | 0.03 | - | _ | | _ |
| | | chlorite: coating surfaces - alteration. | | - | | | | | | | |
| | | 42.37 FAULT GOUGE reported by driller as 2 | feet of clay | - | | | | | | - | |
| 4 | | possibly a major fault | Box 9 | - | | | | | | | |
| | | 11 04 52 4 4 1 -11 1 4 4 | | - | - | | | | | | |
| | | 46.94-53.04 chiefly silica, brecciated and | 53.3 - 60.10 | - | | | - | | | | |
| | | more sulfides and epidote than previous section | | | | | | | | | |
| | | 27.15-27.35 25% pyrchotik in filling by fragmen | Le . | | | | | | | | |
| | | 27.15-27.35 25% pyrchopile in filling by fragmen 5ass-51.0 10% pyrchopite | 10 | | | | | - | | | |
| | | 51.25 - blob of chalcopyrite | | | | | | - | - | | |
| | | OLO OF CVAITOBALLY | B0X 10 | | - | | | - | - | | |
| | | | 60.10 - 63.7 | | | | | | | | |
| | | | 55.10 | | | | | | | | |

PROPERTY FRANKLIN - IXL HOLE # IXLO3 - 1

| DOMINANT | ROCK TYPE | DESCRIPTION | | SAMPLE | | Au | Ag | Cu | Pb | Zn |
|------------------|-----------|---|----------|-----------|-----------------|-------|-------|-------|-------|-------|
| From - To (m) | Lithology | | Sample # | From - To | Interval (m) | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) |
| 57.91-60.10 | SB | Siliceous healed brecera or silicified | | () | (***) | | | | | |
| | | Sharpstone? Angular Grammats of at 8/or Box " | | | | | | | | |
| | | Sharpstone? Angular fragments of 9th 2/or BOX 11 Chert? ranging from 1 mm to 1.5 cm across. | | | | | | | - | |
| | | Fragovots mostly light grey to translucent | | | | | | | | |
| | | Fragriculty light grey to translucent, occasionally buff coloured. Sparse to moderate dissem. | | | | | | | | |
| | | PY/Po throughout. Occasional blob or volt of Po. Fractures | | | | | | | | |
| | | Py/po throughout. Occasional blob or voit of po. Fractural (0 15° and 25° to c/A | | | | | | | | |
| | | 54.6.55.9 larger fragment and heavier | | | | | | | | |
| | | sulfide minz'n. Box 12 | | | | | | | | |
| | | 60.10 Fault gouge @ contact with dyke. 69.4-75.1 | | | | | | | | |
| | | | | | | | * | | | |
| 60.10-81.5 | FS/Fc? | Aphanitic to very fine grained hard grey to buff rock. Chiefly massive but here and there shows vague banding which may be bedding? Upper contact faulted. Contacts with Short sections | | | | | | | | |
| | | massive but here and their shows vague banding which may | | | | | | | | |
| | | be hedding? Upper contact familied. Contacts with Short sections | | | | | | | | |
| | | of siliceous breccia and shows apparitie | | | | | | | | |
| | | material wrapping around coarse breceia fragments. The first impression is that this is an aphanitic | | | | | | | | |
| | | The first impression is that this is an appenitie | | | | | | | | |
| | | ayke but on closer inspection it may be a chyolite buff? (needs this section work) (Rasmussen describes | | | | | | | | |
| | | rhyolite heff? (needs thin section work) (Rasmussen describes | | | | | | | | |
| | | porcellanous f.g. tuff @ outlook which could be applied to this rock) | | | | | | | | |
| | | Sparse to moderate dissem py/po throughout. | | | | | | | | |
| | | | | | | | | | | |
| | | 60.7-61.8 Silveous by as in 57.91-60.10 | | | | | | | | |
| | | 66.8 - 68.3 | | | | | | | | |
| -, | | 71.0 - 71.58 | | | | | | | | |
| | | 59? 89:0 ? Fault gouge - probably 0.7 m of Lore lost | | | | | | | | |
| | | · · | | | | | | | | |
| | | 78.0 Banding, perhaps relic bedding 80° to c/A tops not clear | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 81.5-90.4 | Fcg ? | Conglomerate - medium grained . Contains Short | | | | | | | | |
| | | sections of 'siliceous breccia' - diss py throughout | | | | | | | | |
| | | | | | | | | | | |
| 90.4-109.4 | Fvs | Highly silic'd rx, probably originally a volcanic fragmental. Not quite as silicid and not as bx'd as the 'siliceous bx' | | | | | | | | |
| | | Not quite as silicid and not as baid as the 'siliceous ba' | | | | | | | | 7: |
| | | above. Dissen by throughout. | | | | | | | | |
| 7 | | | | | | | | | | |
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page 4 of 4

PROPERTY FRANKLIN - IXL HOLE # IXLO3-1

| | ROCK TYPE | DESCRIPTION | | SAMPLE | | Au | Ag | Cu | Pb | Zn |
|---------------------------|-----------|--|----------|-----------|-----------------|-------|-------|-------|-------|-------|
| From - To (m) | Lithology | | Sample # | From - To | Interval (m) | (ppb) | (ppm) | (ppm) | (ppm) | (ppm) |
| 1094-1114 | Ps | Silveified Porphyry - district phenocrists. | 1 | | | | | | | |
| | | Silicified Porphyry - distinct phenocrysts. Sparse dissem py. | | | | | | | | |
| 11.4-117.0 | Fv | Aphanitic to fine grained metavoliance, sim to 60.1-81.5 but with green sections as noted. Sparse dissem by throughout. | | | | | | | | |
| | | to 60.1-81.5 but with green sections as noted. Sparse | - | | | | | | | |
| | | dissem by throughout. | | | | | | | | |
| | | 111.4-112.5 green coloured | | - | | | | | | |
| | | Lower contact sharp @ 45° to (A | | | | | | | | |
| 17.0 - 127.5 | 5P | silizified porphyry | | | | | | | | |
| the state of the state of | - 1 | | - | | | | | | | |
| 27.5 -128.2 | Dy ke | Dyke - probably Eocene. Hed grey aphanitic with wrde spaced white entedral phenocrysts. Contacts sharp @ 45° to UA | | | | | | | | |
| | | @ 45° to C/A | | | | | | | | |
| | CD | | | | | | | | | |
| 28.2 - 130.7 EOH | SP | Sincified Porphyry. | 4 | - | | | | | | |
| EOH | | | 4 | | | | | | | _ |
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APPENDIX 4

Analytical Procedures



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METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 1D & 1DX - ICP ANALYSIS – AQUA REGIA

Analytical Process Receive Samples Sort and Log Rock and Drill Core Samples Vegetation Soils, Sediments Ash at Oven Dry at 60°C 550°C Label and Sleve Label, Crush samples to -80 Mesh & Pulverize to -100 mesh Weigh out 0.5g into test tubes; weigh out duplicate splits and control standards, Re-split add these to sample sequence Digest in hot (95°C) Aqua Regia for 1 hr. Calibration Standards and Reagent Blanks added to sequence of sample solutions Solutions analysed by Re-analyze ICP-ES or by Optima ICP-ES No Computer attached to ICP corrects data is data of Data for interferences and accentable Verification quality? drift. Operator inspects Raw Data Yes ICP data and other requested analyses combined as a final Analytical Report

Comments

Sample Preparation

Soils and sediments are dried (60°C) and sieved to -80 mesh (-177 lm), rocks and drill core are crushed and pulverized to -150 mesh (-100 lm). Vegetation is dried (60°C) and pulverized or dry ashed (550°C). Moss-mat samples are dried (60°C), pounded then sieved to recover -80 mesh sediment or ashed at 550°C then sieved to -80 mesh with potential loss by volatilization of Hg, As, Sb, Bi and Cr. Aliquots of 0.5 g are weighed into test tubes. Duplicate aliquots are taken from two samples in each batch of 34 samples to measure precision. An aliquot of sample standard STD C3 is added to each batch to monitor accuracy.

Sample Digestion

Aqua Regia is a 2:2:2 mixture of ACS grade conc. HCl, conc. HNO₃ and demineralized H₂O. Aqua Regia is added to each sample and to two empty reagent blank test tubes in each batch of samples. Sample solutions are digested for 1 hr in a boiling hot water bath (95°C).

Sample Analysis

Group 1D: sample solutions are aspirated into a Jarrel Ash AtomComp 800 or 975 iCP emission spectrograph to determine 30 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, Ti, U, V, W, Zn.

Group 1DX: sample solutions are aspirated into a Perkin Elmer Optima 3300 Dual View ICP emission spectrograph to determine 35 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Tl, Sr, Th, Ti, U, V, W, Zn.

Data Evaluation

Raw and final data from the ICP-ES undergoes a final verification by a British Columbia Certified Assayer who then signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Dean Toye and Jacky Wang.

Verification and

Certification by a

BC Certified

Assayer



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METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 1E & 1EX - ICP ANALYSIS – TOTAL DIGESTION

Analytical Process Receive Samples Sort and Log Samples Vegetation Soils. Sediments Oven Dry at 60°C Ash at 550°C Label and Sieve samples Rock and Core to -80 Mesh Label, Crush & Pulverize to -150 mesh Weigh 0.25 g into Teflon beakers, add duplicates and control standards to the Re-split sample sequence Add H2O, HF, HNO3 and HCIO4 acid mixture to beakers and heat on hot plate until dryness. Add15% agua regia and heat in boiling (>95°C) water bath for 30 minutes. Calibration standards and reagent blanks added to sample sequence. Sample solutions analysed Re-analyze by ICP-ES or ICP-MS No Computer attached to ICP is data of corrects data for Data acceptable interferences and drift. quality? Operator inspects Raw Verification Data Yes ICP data and other requested analyses combined as a final **Analytical Report** Verification and Certification by a BC

Comments

Sample Preparation

Soils and sediments are dried (60°C) and sieved to -80 mesh (-177 microns), rocks and drill core are crushed and pulverized to -150 mesh (-100 microns). Moss-mat samples are dried (60°C), pounded then sieved to recover -80 mesh sediment or samples can be ashed (550°C) on the client's request. Sample splits (0.25 g) are placed in Teflon beakers. Duplicate splits of crushed (rejects) and pulverized (pulp) fractions are included with every 34 rock samples to define sample homogeneity (reject split) and analytical precision (pulp split). Duplicate pulp splits are included in each batch of 34 soil or sediment samples. A blank and standard STD DST-3 are included in each batch of samples to monitor accuracy.

Sample Digestion

The 4-Acid solution of 18:10:3:6 H₂O-HF-HClO₄-HNO₃ (ACS grade) is added to each sample, heated to furning on a hot plate and taken to dryness. The residue is dissolved in dilute (15%) aqua regia of 2:2:2 HCl-HNO₃-H₂O (ACS grade) heated in a boiling water (>95°C) bath for 30 minutes.

Sample Analysis

Group 1E: sample solutions are aspirated into a Jarrel Ash AtomComp 800 or 975 ICP emission spectrograph to determine 35 elements: Ag, Al, As, Au, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, La, Mg, Mn, Mo, Na, Nb, Ni, P, Pb, Sb, Sc, Sr, Th, Ti, U, V, W, Y, Zn, Zr.

Group 1EX: sample solutions are aspirated into a Perkin Elmer Elan 6000 ICP mass spectrometer to determine 41 elements: Ag, Al, As, Au, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cu, Fe, Hf, K, La, Li, Mg, Mn, Mo, Na, Nb, Ni, P, Pb, Rb, S, Sb, Sc, Sr, Ta, Th, Ti, U, V, W, Y, Zn, Zr.

Data Evaluation

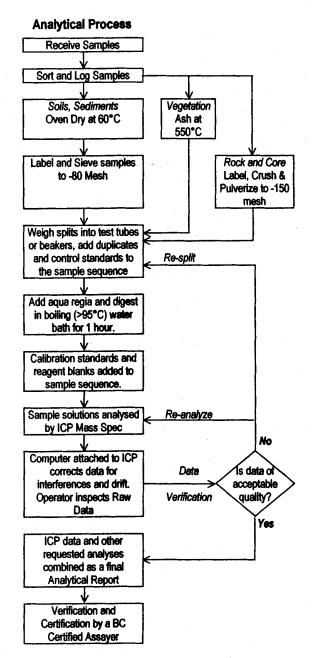
Raw and final data from the ICP-ES undergoes a final verification by a British Columbia Certified Assayer who then signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Dean Toye and Jacky Wang.

Certified Assayer



852 East Hastings Street ● Vancouver, British Columbia ● CANADA ● V6A 1R6
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METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 1F-MS — ULTRATRACE BY ICP-MS • AQUA REGIA



Comments

Sample Collection

Samples may consist of soil, sediment, plant or rock. A minimum field sample weight of 200 gm is recommended.

Sample Preparation

Soils and sediments are dried (60°C) and sieved to -80 mesh (-177 microns). Moss-mat samples are dried (60°C), pounded to loosen trapped sediment, then sieved to -80 mesh. Rocks are dried (60°C) crushed (>75% -10 mesh) and pulverized (>95% -150 mesh). Splits weighing 1 to 30 g (Optional packages) are placed in bottles. Each batch (34 samples) contains a duplicate pulp split for monitoring precision and reference material DS2 for monitoring accuracy.

Sample Digestion

Aqua Regia is added to each bottle (3mL/gm of sample). Aqua Regia is a 2:2:2 mixture of ACS grade concentrated HCI, concentrated HNO₃ and distilled H₂O. Sample solutions are heated for 1 hr in a boiling hot water bath (95°C). The solutions are then diluted to 20:1 mL/gm ratio. A reagent blank is carried in parallel through leaching and analysis.

Sample Analysis

Analysis is by an Elan 6000 ICP Mass Spec for the determination of 37 elements comprising: Au, Ag, Al, As, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Hg, Ga, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Se, Sr, Te, Th, Ti, Tl, U, V, W and Zn. Extended element packages containing incompatible elements (Hf, Nb, etc.) and REEs are available. Sample volumes of 10 to 30 gm are recommended when the determination of Au or other elements subject to the nugget effect are of importance.

Data Evaluation

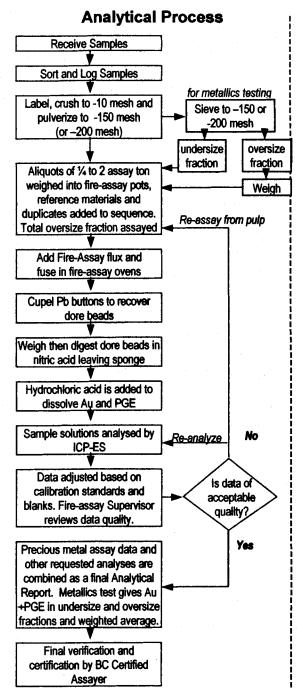
Raw data are reviewed by the instrument operator and by the laboratory information management system. The data is subsequently reviewed and adjusted by the Data Verification Technician. Finally all documents and data undergo a final verification by a British Columbia Certified Assayer who then signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Dean Toye and Jacky Wang.

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METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 6 - PRECIOUS METAL ASSAY



Comments

Sample Preparation

Rocks and drill core are crushed to 75% minus 10 mesh (-1.7 mm), a 250 g subsample is riffle split then pulverized to 95% minus 150 mesh (-100 microns) or minus 200 mesh upon request. Reject and pulp duplicate splits are taken from two samples in every 34 to monitor sub-sampling variation related to sample inhomogeniety and analytical variation, respectively. One quarter (7.5 g) to two assay ton (58.4 ±0.01g) splits are weighed. STD Au-1 (Au reference material), STD Ag-2 (Ag reference material) or STD FA-10R (Au, Pt, Pd, Rh reference material) and a blank are added to each analytical batch to monitor accuracy. Results are reported in imperial (oz/t) or metric (gm/mt) measure. For metallics testing, 500+ gm is pulverized and sieved through a 150 or 200 mesh screen. The oversize material on the screen is weighed and assayed in total. A 1 or 2 assay ton split of the undersize fraction is also assayed.

Sample Digestion

Sample split is mixed with fire-assay fluxes containing PbO litharge and a Ag inquart then heated at 1000°C for 1 hour to liberate Au + PGE. After cooling, lead buttons are recovered and cupelled at 950°C to render Ag ±Au ±Pt ±Pd ±Rh dore beads. Beads are weighed then leached in 1 mL of conc. HNO₃ at >95°C to dissolve Ag leaving Au ±PGE sponges. A Au inquart is used for Rh assays where the concentration is likely to exceed 10 ppb. The sponge is dissolved by adding 6 mL of 50% HCI.

Sample Analysis

The solutions are analyzed by ICP-ES (Jarrel Ash Atom-Comp model 800 or 975) to determine Au, Pt, Pd and Rh. Au or PGEs over 1 oz/t are determined by gravimetric finish. Ag is determined both by fire assay and wet assay. Ag over 10 oz/t is reported from the fire assay while concentrations <10 oz/t are reported from the wet assay. Metallics testing reports concentrations of Au ±PGEs in the undersize fraction, the oversize fraction and the calculated weighted average of these fractions.

Data Evaluation

Raw and final data undergoes a final verification by a British Columbia Certified Assayer who then signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Dean Toye and Jacky Wang.



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METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 7AR — MULTI-ELEMENT ASSAY BY ICP-ES • AQUA REGIA DIGEST

Analytical Process Receive Samples Sort and Log Samples Soils, Sediments Vegetation Ash at Oven Dry at 60°C 550°C Label and Sieve samples Rock and Core to -80 Mesh Label, Crush & Pulverize to -150 mesh Weigh 1.0 g into 100 mL volumetric flasks, add reference materials, blanks Re-split and duplicates to sample sequence Add Agua Regia mixture to flasks and heat in a hotwater bath for 1 hour. Cool for 3 hours and make up to 100 mL volume with dilute HCI. Calibration standards and reagent blanks added to sample sequence. Sample solutions analysed Re-analyze by Optima ICP-ES No **ICP Computer corrects** data for interferences and is data of Data drift. Operator inspects acceptable guality? Raw Data Verification Yes ICP data and other requested analyses combined as a final Analytical Report Verification and

Comments

Sample Preparation

Assaying is recommended for samples containing very high concentrations of commodity or pathfinder elements (ie. > 1%). Assaying is rarely carried out on soil, sediment or vegetation samples. Soils and sediments are sieved to minus 80 mesh (-177 microns). Vegetation is usually dry ashed prior to analysis. Rocks are crushed to 75% minus 10 mesh (-1.7 mm), a 250 g sub-sample is riffle split their pulverized to 95% minus 150 mesh (-100 microns). Reject duplicate and pulp duplicate splits are taken from two samples in every 34 to monitor sub-sampling variation due to sample inhomogeniety (reject split) and analytical precision (pulp split). Sample splits of 1.000 ±0.002g are placed in 100 mL volumetric flasks. In-house reference material STD R-1 and a blank are carried through weighing, digestion and analysis with each batch of 34 samples to monitor accuracy.

Sample Digestion

Samples are digested in 30 mL of Aqua Regia comprising 2:2:2 HCl - HNO₃ - H₂O (ACS grade acids) heated in a boiling water bath (>95°C) for 1 hour. The solutions are cooled for 3 hours and made up to volume (100 mL) with dilute HCl (5%). Very high-grade samples may require a 0.25 g to 100 mL or 0.25 g to 250 mL sample to solution ratio for accurate determination.

Sample Analysis

Sample solutions are aspirated into a Perkin Elmer Optima 3000 or 3300 Dual View ICP emission spectrograph to determine 21 elements: Ag, Al, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, W, Zn.

Data Evaluation

Raw and final data from the ICP-ES undergoes a final verification by a British Columbia Certified Assayer who then signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Dean Toye and Jacky Wang.

Certification by a BC Certified Assayer

APPENDIX 5

Analytical Results - Soil Samples

(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Northern Natural Resources Services PROJECT FRANKLIN File # A301820 901 · 1030 Burnaby St., Vancouver BC V6E 1N8 Submitted by: John Boutwell

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SAMPLE# Zn Ag Ni Co Mn Fe As U Au Th Sr Cd Sb Bi V Ca P La Cr Hg Ba Ti B Al Na K N Sc Tl S Hg Se Te Ga 1.17 2.66 2.39 40.0 10 3.8 3.8 512 1.77 .2 2.4 <.2 3.9 75.4 <.01 .02 .11 38 .58 .088 6.7 20.4 .53 184.4 .123 12 .88 .071 .40 1.1 1.8 .26 .02 <5 <.1 <.02 4.8 1.104+50N 98+00F 1.01 52.28 44.24 302.0 357 19.6 13.1 2903 1.69 27.8 .3 2.8 .7 34.1 4.89 .71 .30 43 1.07 .076 5.1 18.3 .48 189.9 .054 2 1.27 .024 .08 .3 2.8 .15 .03 1497 .4 .03 4.2 1.26 49.69 44.61 221.5 237 22.9 13.6 2162 2.78 101.0 .8 2.5 1.6 20.3 1.33 1.09 .28 70 .41 .077 7.6 27.7 .85 91.8 .087 <1 2.47 .018 .07 .3 3.3 .20 <.01 1608 .4 .02 7.7 L104+50N 98+25E L104+50N 98+50E 1.38 58.85 84.54 368.3 381 27.8 14.8 2401 2.95 77.8 .8 1.2 1.4 19.7 1.36 1.08 .26 74 .29 .088 9.1 34.0 1.00 115.3 .094 2 3.21 .017 .09 .3 4.2 .21 <.01 1344 .5 .02 9.3 L104+50N 98+75E 1.37 43.72 81.89 552.5 225 26.0 12.6 2543 2.81 69.0 .6 .9 1.4 29.0 2.73 1.35 .25 69 .56 .089 7.5 30.0 1.05 135.3 .096 <1 2.57 .020 .09 .3 4.2 .22 <.01 1186 .3 .03 7.5 1.14 652.90 511.07 3132.8 1653 16.4 8.7 4430 2.14 58.1 1.2 14.7 .4 34.9 35.50 2.60 .42 38 1.17 .086 20.6 13.8 .52 135.6 .030 <1 1.52 .022 .06 .1 2.4 .15 .02 1874 1.0 .07 4.5 L104+50N 99+00E 1.65 36.07 21.89 262.8 305 23.2 10.8 3097 2.61 45.2 .8 1.2 1.3 21.3 1.49 .96 .21 68 .43 .130 10.5 31.0 1.17 180.9 .053 3 2.82 .016 .09 .2 4.0 .22 < .01 1788 .3 .03 8.8 L104+50N 99+25E L104+50N 99+50F .97 38.83 33.69 168.0 401 21.5 12.7 2259 2.50 54.1 .7 2.9 1.3 28.8 1.45 1.05 .26 63 .40 .131 9.0 25.3 .85 159.0 .084 1 2.51 .020 .09 .3 3.8 .16 < .01 1773 .5 .03 7.6 L104+50N 99+75E 3.06 64.24 91.96 371.3 702 31.2 20.6 4779 3.28 70.6 1.0 3.6 1.2 35.7 3.80 2.36 .45 75 .86 .230 12.6 29.6 1.20 188.3 .059 2 2.61 .015 .07 .3 4.8 .16 < .01 3079 .8 .08 8.7 L104+50N 100+00E 1.58 66.34 185.21 683.0 309 24.0 15.6 3574 3.00 50.5 .9 4.5 1.1 29.3 6.04 1.18 .22 98 .70 .102 8.3 37.3 1.45 228.0 .111 <1 2.73 .031 .11 .3 7.3 .26 < .01 1738 .6 .03 9.0 L104+50N 100+25E 1.32 48.34 20.22 196.9 417 25.8 15.7 2118 2.94 52.4 .6 1.2 1.8 23.6 1.03 .95 .26 83 .34 .075 8.2 32.0 .91 160.0 .127 <1 3.03 .020 .07 .4 4.5 .21 <.01 1277 .6 .03 10.2 L104+50N 100+50E 1.89 68.94 25.97 219.2 986 32.4 21.7 2967 3.70 77.8 1.0 5.2 2.4 37.4 1.53 1.49 .37 98 .61 .097 14.3 34.5 1.03 184.2 .141 <1 3.70 .016 .10 .4 5.9 .24 <.01 1589 .9 .05 12.5 L104+50N 100+75E 2.12 175.05 157.91 500.6 2551 30.9 20.5 2511 4.31 63.2 1.0 46.5 1.5 22.1 2.00 2.43 .30 104 .42 .055 24.7 34.2 1.27 99.8 .003 <1 3.13 .011 .09 .3 7.3 .26 <.01 1353 .7 .13 10.1 L104+50N 101+00E 1.78 81.94 139.28 404.3 1170 35.0 17.8 2431 4.32 70.2 1.3 15.0 1.9 24.9 1.42 2.20 .35 115 .64 .049 19.0 40.6 1.36 94.2 .028 <1 3.48 .014 .08 .4 9.3 .20 <.01 1090 .6 .07 11.1 L104+50N 101+25E 1.26 90.94 111.18 296.8 1157 27.8 18.2 2784 3.16 49.1 .7 11.2 1.1 22.5 2.14 1.75 .22 80 .53 .057 15.2 31.0 1.09 76.9 .025 1 2.33 .022 .08 .3 6.6 .20 <.01 1219 .7 .05 7.8 1.96 83.11 144.24 385.8 1213 29.2 21.6 2275 3.73 135.0 1.9 12.7 2.6 38.1 2.73 1.47 .33 99 .84 .192 17.4 30.2 .88 99.0 .107 3 3.45 .019 .09 .5 7.5 .20 < .01 1295 .7 .09 10.2 L104+50N 101+50E L104+50N 101+75E 2.82 50.70 13.24 100.4 590 58.1 46.4 1749 5.83 316.3 .4 4.6 1.3 21.3 .18 1.42 .29 243 .52 .052 6.4 92.4 2.73 72.1 .239 4 4.04 .019 .15 1.0 17.5 .35 < .01 1281 .6 .16 15.0 L104+50N 102+00F 4.09 282.92 59.73 383.3 1392 47.5 87.5 3375 7.88 632.7 1.0 47.0 .9 45.4 5.35 4.08 .77 152 1.09 .172 13.5 27.5 1.23 102.1 .089 1 2.38 .028 .11 .9 19.9 .75 .11 1484 2.4 .45 8.8 L104+00N 98+00E 2.77 76.59 26.94 251.6 252 27.4 21.1 2617 3.19 49.7 .6 2.9 1.1 36.2 1.30 .93 .24 84 .46 .120 8.0 34.1 .94 144.5 .104 <1 2.49 .019 .10 .3 5.0 .23 < .01 1354 .8 .07 8.3 L104+00N 98+25E 1.27 39.68 60.80 381.3 170 24.0 11.7 2744 2.13 73.8 .3 .5 1.0 25.1 4.36 .93 .21 45 .48 .099 6.6 27.0 .68 166.9 .074 <1 1.95 .021 .08 .2 3.2 .18 <.01 1681 .4 .04 6.0 L104+00N 98+50E 1.18 59.98 100.20 544.4 591 24.2 15.1 2139 2.44 116.9 .6 3.2 .6 19.2 3.14 1.69 .17 55 .62 .119 8.6 31.0 .98 71.4 .053 <1 1.97 .023 .08 .2 4.4 .21 <.01 863 .7 .03 5.7 2.30 53.31 154.48 551.2 876 32.4 14.4 2797 3.29 125.2 .9 3.8 1.0 29.0 2.89 2.62 .29 71 .64 .120 11.4 41.0 1.49 87.9 .044 3 2.71 .010 .08 .2 4.9 .29 <.01 1400 .6 .03 8.4 3.93 40.75 10.93 76.7 1109 33.5 11.4 1953 4.15 66.6 1.0 8.7 1.0 32.0 .50 1.75 .34 94 1.93 .091 11.8 82.7 2.03 83.6 .044 2 2.61 .012 .08 .4 9.5 .31 .11 935 .8 .11 7.8 RE L104+00N 99+00E 3.47 39.41 10.73 77.4 1166 32.9 11.3 1966 4.12 62.9 1.0 5.7 1.0 32.2 .49 1.77 .34 94 1.91 .092 12.0 82.1 2.03 81.7 .045 2 2.62 .012 .08 .3 9.5 .30 .08 895 .8 .07 7.7 1.67 50.58 40.06 522.7 1125 36.7 17.2 3334 3.82 45.5 1.2 2.5 1.4 24.0 3.79 1.74 .23 92 .62 .104 20.6 52.4 1.58 181.8 .033 3 2.97 .012 .13 .2 8.7 .25 < .01 1906 .5 .08 9.4 L104+00N 99+50E 1.35 71.12 24.23 361.5 835 39.4 20.4 2505 3.39 66.6 .7 2.6 1.2 30.5 1.77 1.68 .21 90 .49 .175 11.3 48.8 1.18 155.2 .099 2 2.88 .021 .10 .3 6.1 .24 < 01 1532 .7 .08 8.9 L104+00N 99+75E .90 21.29 22.71 163.8 203 15.3 13.8 2675 2.10 70.3 .4 2.0 .3 29.3 1.10 1.18 .22 50 .41 .134 4.8 25.9 .65 142.3 .055 <1 1.60 .018 .08 .2 2.5 .14 <.01 1998 .3 .04 5.7 L104+00N 100+00E 1.26 54.99 33.11 161.5 927 16.4 24.9 2076 2.88 64.4 .6 1.3 1.0 17.5 .72 .89 .35 77 .19 .101 7.4 21.6 .63 112.0 .110 <1 2.58 .013 .08 .3 3.4 .17 <.01 1782 .5 .08 9.0 L104+00N 100+25E 1.06 26.88 18.98 105.3 155 11.3 16.2 2378 2.03 63.3 .4 1.1 .5 18.3 .80 1.00 .19 51 .20 .060 5.9 14.1 .44 108.2 .082 <1 1.78 .016 .05 .2 2.4 .11 <.01 1485 .4 .05 6.5 1.19 47.88 16.14 90.4 532 8.6 23.9 1955 2.33 40.9 .4 2.4 .4 25.4 .53 .92 .24 60 .28 .095 5.4 10.7 .39 88.0 .074 <1 1.55 .015 .05 .3 2.2 .10 <.01 1657 .4 .03 6.7 L104+00N 100+75E 1.48 52.93 22.35 153.4 339 13.9 27.6 3401 3.09 72.5 .6 1.6 1.3 36.1 1.38 1.04 .30 78 .53 .117 8.7 17.9 .53 179.8 .111 3 2.39 .014 .08 .3 4.1 .17 < .01 2070 .7 .04 8.8 1.22 43.19 25.99 149.3 419 13.8 21.6 2500 2.64 49.5 .5 3.4 1.1 30.2 1.19 .98 .27 67 .37 .104 6.2 14.7 .46 138.2 .111 3 2.20 .017 .07 .3 2.9 .15 .01 2013 .5 < .02 8.1 L104+00N 101+00E 1.31 132.41 812.38 822.8 2071 21.6 25.9 2973 3.94 54.7 .4 478.8 1.0 23.2 3.49 1.42 .29 110 .46 .086 5.7 28.8 1.10 92.4 .082 3 2.60 .016 .15 .3 5.1 .21 < .01 1675 .7 .14 10.1 1.20 73.09 54.79 261.4 644 21.0 18.0 1182 3.15 83.0 1.0 110.8 3.3 25.6 1.59 1.07 .32 78 .29 .076 11.9 21.3 .62 99.0 .154 3 3.82 .016 .09 .3 5.7 .22 <.01 1014 .3 .03 10.3 L104+00N 101+75E 1.02 42.13 28.18 314.2 374 22.6 14.8 1899 2.92 54.9 .4 1.0 1.3 25.5 2.82 .96 .20 83 .35 .075 5.4 25.1 .86 84.1 .042 1 2.43 .012 .08 .3 3.8 .18 <.01 936 .1 .06 7.9 STANDARD DS4 6.61 127.49 30.07 158.0 280 35.5 11.9 792 3.12 23.0 5.8 26.0 3.5 26.9 5.54 4.78 5.01 73 .51 .092 16.1 163.9 .58 138.1 .082 2 1.75 .029 .15 3.8 3.6 1.07 .06 261 1.4 .77 6.0

GROUP 1F1 - 1.00 GM SAMPLE LEACHED WITH 6 ML 2-2-2 HCL-HN03-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 20 ML, ANALYSED BY ICP/ES & MS.

UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.

- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 2 2003 DATE REPORT MAILED: (

Jul 18/03 SIGNED BY ...

D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data FA _



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| SAMPLE | r# | Ma | C | nh. | | | | | - | | | | | | - | 4. | | - | 2 15 | | - | _ | | | | _ | | | | _ | _ | | _ | | | |
|----------|---------------|---------|-------|---------|-------|--------|---------|----------|------|-------|--------|-------|----------|--------|--------|-------|-------|----------|---------|--------|---------|---------------|-------|--------|--------|--------|---------|-------|--------|-------|-------|-------|------|--|---|--|
| SAFEL | | | Cu | | | | | | | | | | Th S | | | | | | | | | | | | | | | | | | | | | | | |
| | | bbu | ppm | ppm | ppm | ppb | bbu l | opm ppr | 1 2 | ppm | bbm | ppb | ppm pp | u bbu | ppm | bbs t | ppm | 2 | \$ ppn | n ppm | 1 | ppm | g bt | xm \$ | 8 | \$ p | obu bbu | n ppn | 1 1 | ppb | ppm | ppm | ppm | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - | |
| G-1 | | 1.08 | 2.71 | 2.66 | 39.7 | 13 | 3.3 | 3.7 49 | 1.76 | .2 | 2.3 | <.2 | 4.3 63. | 7 .01 | .02 | .10 | 37 | .55 .0 | 88 6.9 | 9 11.9 | .50 | 175.5 . | 116 | 1 .85 | .064 | .38 1 | .2 2.0 | 0 .23 | .02 | <5 | <.1 < | €.02 | 4.5 | | | |
| L104+0 | 00N 102+00E | 1.65 | 44.43 | 28.99 | 175.5 | 383 | 16.9 | 7.0 958 | 2.14 | 48.1 | .7 | 1.3 | 2.7 25. | 5 1.24 | .40 | .21 | 49 | .29 .3 | 13 7.4 | 11.9 | . 25 | 67.5 . | 107 | 3 2.88 | .018 | .05 | .3 3.2 | 2 .10 | <.01 | 950 | .2 | .03 | 7.5 | | | |
| L103+5 | 50N 98+00E | 2.15 | 67.49 | 28.28 | 228.7 | 183 | 24.7 1 | 1.2 943 | 2.65 | 30.3 | .5 | 1.1 | 1.5 34. | 4 .51 | .49 | .17 | 72 . | .45 .0 | 59 6.5 | 27.7 | .71 | 92.1 . | 107 | 2 2.59 | .017 | .08 | .3 4.3 | 3 .13 | .01 | 543 | .5 | .03 | 7.8 | | | |
| L103+5 | 50N 98+50E | .88 | 95.41 | 91.37 | 344.3 | 500 2 | 4.6 19 | .2 166 | 2.57 | 65.5 | .6 | 1.5 | 1.4 26.1 | 8 1.26 | 1.29 | .31 | 60 . | .55 .0 | 46 8.3 | 3 25.6 | .80 | 83.9 . | 073 | 2 2.26 | .014 | .07 | .3 3.6 | 5 .17 | .01 | 1172 | .3 | .05 | 6.5 | | | |
| L103+5 | 50N 98+75E | 1.41 1 | 00.10 | 65.42 | 383.7 | 873 | 0.6 14 | 1.5 3363 | 2.66 | 105.3 | 1.1 | 6.0 | 1.4 20. | 6 1.98 | 1.68 | .39 | 60 | .39 .0 | 76 13.0 | 21.5 | .76 | 147.6 | 062 | 2 2 33 | 013 | 06 | 3 3 6 | 6 19 | < 01 | 1644 | 6 | 05 | 6.7 | | | |
| | | | | | | | | | | | | | | | | | | | | - | | | | | | | | | | 1011 | .0 | .00 | 0.7 | | | |
| L103+5 | 50N 99+00E | 2.17 | 65.69 | 23.70 | 239.2 | 558 | 34.2 10 | 5.2 2773 | 3.48 | 116.1 | .8 | 2.7 | 1.6 28. | 6 .92 | 2 25 | .34 | 96 | 44 0 | 67 19 7 | 7 35 B | 1 27 | 107 8 | nsa | 2 2 06 | 012 | 00 | 2 61 | n 22 | - 01 | 072 | | 0.0 | | | | |
| L103+5 | 50N 99+25E | 1.06 | 30.75 | 30.07 | 244.7 | 133 | 8.3 12 | 8 309 | 2 67 | 44 R | 8 | 1.6 | 7 30 | R 1 RQ | 1 12 | 16 | 95 | 50 0 | 90 7 6 | 24.0 | 1 24 | 202 6 | 000 | 9 9 91 | 210. | .09 | 1 7 | | 01 | 9/2 | . 8 | .00 | 8.3 | | | |
| L103+5 | 50N 99+50E | 1.96 | 88.00 | 45.36 | 270 0 | 1197 | 14 7 15 | 6 87 | 3 50 | 672.0 | 0 1 | 2.0 | 2 0 10 | 1 02 | E 66 | 22 | 63 | 20 1 | 20 0 0 | 34.0 | 1.34 | 101.6 | 111 | 0 0 70 | .020 | . 10 | .1 /.0 | 0 .19 | <.01 | 996 | .3 | .02 | 7.4 | | | |
| | 50N 99+75E | 1.11 | 21 63 | 16.24 | 311 3 | 245 | 0 7 15 | 1 2420 | 2.01 | 42.2 | 2 | 1.7 | 7 16 | 7 1 42 | 5.00 | 20 | 47 | 10 .1 | 00 4.5 | 24.9 | .85 | 121.6 . | 111 | 2 3.70 | .017 | .13 | .3 5.2 | 2 .30 | <.01 | 794 | .9 | .08 1 | 10.3 | | | |
| | | 81 | 28 60 | 16.24 | 110 2 | 245 | 6 1 1 | 4 1866 | 1 62 | 25.3 | .0 | 1.7 | 7 10. | 7 1.43 | .02 | .20 | 47 | . 19 . 0 | 98 4.9 | 14.3 | .43 | 119.6 . | 055 | 1 1.47 | .019 | .06 | .2 2.6 | 5 .14 | <.01 | 1068 | .2 | .02 | 5.5 | | | |
| 2100-0 | 200.006 | .01 | 20.00 | 12.33 | 110.3 | 343 | 0.1 14 | .4 1805 | 1.63 | 35.4 | .3 | 1.4 | ./ II | 3 .60 | .43 | .12 | 49 | . 13 . 0 | 57 4.3 | 7.6 | .26 | 76.9 . | 075 | 1 1.23 | .021 | .04 | .2 2.2 | 2 .10 | <.01 | 1129 | .3 | .02 | 4.7 | | | |
| 1 102-5 | 50N 100+25E | 70 | 21 10 | 12 02 | 102 - | 240 | | | | | | | | | | | | | | | 10.50** | CATROON TO | | | | | | | | | | | | | | |
| | | .70 | 21.13 | 13.87 | 102.6 | 249 | 0.5 | .3 1458 | 1.53 | 37.3 | .3 | 1.5 | .5 18.3 | 3 .97 | .52 | .21 | 42 . | .24 .0 | 78 4.1 | 7.2 | .21 | 75.1 . | 065 | 1 1.10 | .017 | .05 | .2 1.4 | 4 .07 | .02 | 925 | .3 | .03 | 4.9 | | | |
| | | .6/ | 22.16 | 17.98 | 87.4 | 216 | 4.5 10 | .0 1364 | 1.28 | 23.0 | .2 | .5 | .2 11. | 7 1.05 | .60 | .22 | 36 . | .11 .00 | 69 3.0 | 6.2 | . 15 | 56.9 . | 047 | 1 .71 | .016 | .04 | .1 1.2 | 2 .08 | .04 | 1295 | .4 < | .02 | 3.8 | | | |
| | 50N 100+75E | .82 | 50.07 | 11.89 | 81.9 | 497 | 5.9 18 | .1 1320 | 1.99 | 20.0 | .4 | 5.1 | .7 11.1 | .36 | .39 | .16 | 58 . | .12 .07 | 77 5.0 | 8.1 | . 25 | 43.7 . | 083 < | 1 1.39 | .016 | .03 | .2 2.1 | .07 | .01 | 983 | .4 | .02 | 5.7 | | | |
| | 50N 101+00E 2 | 2.00 | 40.08 | 93.02 | 240.3 | 645 | 2.2 11 | .2 2119 | 2.38 | 41.5 | .4 1 | 4.6 | 1.0 18.5 | 5 1.74 | .91 | .19 | 66 . | .28 .05 | 58 6.1 | 11.2 | .40 | 103.4 . | 056 | 1 1.51 | .016 | .05 | .3 2.4 | .18 | <.01 | 1424 | .3 | .05 | 6.0 | | | |
| L103+5 | 50N 101+25E | .96 | 61.47 | 80.30 | 238.0 | 1931 1 | 4.7 33 | .7 2364 | 3.15 | 96.1 | .4 | 3.7 | .9 35.7 | 7 1.38 | 1.70 | .16 | 82 . | 45 .07 | 71 12.1 | 12.3 | .77 | 91.6 . | 059 < | 1 2.18 | .015 | .06 | .4 6.5 | . 22 | <.01 | 1553 | .3 | .06 | 7.6 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L103+5 | 50N 101+50E | .86 | 52.29 | 22.50 | 170.0 | 984 1 | 7.7 18 | .6 2117 | 3.07 | 77.6 | .4 | 2.0 | 1.4 31.5 | 1.05 | 1.00 | .22 | 76 . | 36 .07 | 74 9.0 | 15.0 | .79 | 180.0 . | 068 | 2 2.58 | .016 | .09 | .3 5.0 | .24 | <.01 | 1490 | .3 | .04 | 8.4 | | | |
| L103+5 | SON 101+75E | .84 | 35.19 | 12.47 | 153.3 | 500 1 | 1.9 13 | .2 1405 | 2.97 | 35.9 | .7 | 7.5 | 1.5 24.2 | .80 | .56 | .17 | 74 . | 28 .10 | 08 6.7 | 15.1 | .54 | 153.3 | 019 | 1 2.12 | .010 | .07 | 4 4.1 | 22 | < 01 1 | 1003 | 1 | 04 | 7.5 | | | |
| L103+5 | ON 102+00E | .93 | 51.81 | 10.06 | 88.0 | 192 | 8.1 10 | .9 661 | 3.30 | 11.6 | .9 2 | 9.1 3 | 3.1 26.7 | . 19 | .36 | .20 | 98 . | 51 .08 | 88 11.8 | 13.7 | 46 | 75.0 | 054 | 1 1 63 | 010 | 09 | 3 4 1 | 09 | < 01 | 416 | 1 . | .02 | 5 A | | | |
| L103+0 | ON 98+00E 1 | .98 1 | 40.06 | 44.97 | 241.8 | 1198 2 | 9.1 18 | .0 1399 | 3.96 | 66.4 | 1.8 | 5.6 | 2.8 35.2 | .78 | 1.19 | .32 | 95 | 63 .14 | 11 19 6 | 35.3 | 1 07 | 57.0 | 136 | 2 3 95 | 014 | 07 | 1 8 1 | 1 12 | < 01 | 754 | 0 | 66 | 0.4 | | | |
| L103+0 | ION 98+25E 1 | .29 | 52.89 | 30.81 | 163.8 | 268 | 7.1 6 | .1 2862 | 1.20 | 17.5 | .4 | 3.5 | 2 39 6 | 1.70 | 45 | 17 | 26 | 93 13 | 14 4 B | 9.8 | 27 | 135 8 | 137 | 3 80 | 010 | ns. | 2 1 0 | 1 06 | .01 | ADE | .9 | .00 | 9.1 | | | |
| | | | | | | | | | | | | | | | | | | | | 2.0 | | 100.0 | ,,, | 5 .09 | .019 | .05 | .4 1.0 | .00 | .03 | 400 | | ,04 | 2.1 | | | |
| L103+0 | ION 98+50E 1 | .98 1 | 53.33 | 171.99 | 496.3 | 726 2 | 5.4 15 | .3 2782 | 2 81 | 112 9 | 8 | 5 1 1 | 2 26 9 | 2 51 | 2 65 | 41 | 57 | 35 no | 7 19 1 | 24 5 | 01 | 02 5 | 166 | 2 2 10 | 020 | 07 | 2 4 7 | . 17 | - 01 | 000 | - | ne i | | | | |
| L103+0 | ION 98+75E | .99 | 77.61 | 52.98 | 244.6 | 357 1 | 9 6 11 | 7 2946 | 2 17 | 87 A | 6 | 19 | 2 27 0 | 2 05 | 1 12 | 21 | 40 | A7 07 | 1 0 0 | 22 6 | | 122 2 | 169 | 2 1 02 | 010 | 06 | 1 2 5 | | 01 | 002 | ./ | .00 | 5.9 | | | |
| L103+0 | ON 99+00E | .94 | 53.29 | 28.90 | 172.2 | 263 1 | 2 1 7 | 1 2340 | 1 71 | 135 2 | 3 | , | 6 15 7 | 1 30 | 1 47 | 24 | 26 | 21 06 | 0.9 | 12 5 | .00 | OF F . | 103 | 2 1.92 | .019 | .00 | .1 3.5 | . 14 | <.01 1 | 034 | .5 | .07 | 5.5 | | | |
| RF 1.10 | 3+00N 99+00E | 03 1 | 50 00 | 27 72 | 166 3 | 275 1 | 1 7 7 | 2 2200 | 1 67 | 130.2 | | | E 15 2 | 1.10 | 1 49 | ne . | ae . | 21 .00 | 0 5.3 | 10.5 | .39 | 95.5 .1 | 13/ | 3 1.33 | .019 | .00 | .2 1.9 | .11 | <.01 1 | 511 | .2 | .03 | 4.7 | | | |
| 1.103+0 | ON 99+25E 2 | 20 1 | 12 67 | 66 EE - | 207.7 | AAC 2 | 7 0 12 | 0 0700 | 2.10 | 200.5 | .0 . | | .0 15.3 | 1.10 | 1.43 | .20 | 35 . | 21 .00 | 0 5.3 | 13.3 | . 38 | 94.1 .1 | 155 | 2 1.31 | .019 | .05 | .1 1.9 | .10 | <.01 1 | 514 | .2 | .02 | 4.6 | | | |
| 2100-01 | on 33-ESC 2 | | 33.07 | 66.55 | 337.7 | 440 2 | 7.0 15 | .9 2/25 | 3.10 | 290.1 | .4 (| 3.2 | .1 25.9 | 1.53 | 2.79 | .20 | 69 . | 31 .12 | 2 7.9 | 28.0 | .84 | 145.8 .1 |)// | 2 2.21 | .016 | . 10 | .2 4.3 | .25 | <.01 1 | 167 | .4 | .05 | 7.6 | | | |
| 1.102+00 | ON 99+50E 1 | 22 1 | 22 10 | 22 60 | 202.0 | 077 1 | | | | | | | | | | | | | | | 42.5 | race that the | 4. | | | | | | | | | | | | | |
| | | .33 / | 2.19 | 23.69 | 303.9 | 8// 1 | 1.6 19 | .2 2916 | 2.16 | 71.0 | .7 19 | 7.0 | .4 31.8 | 3.60 | 1.20 | .21 | 54 . | 84 .11 | 4 10.5 | 12.3 | .41 | 118.3 .0 |)51 | 1 1.79 | .019 | .06 | 2 2.6 | . 16 | .03 1 | 050 | 1.2 | .06 | 6.0 | | | |
| | | | | 17.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 21.51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L103+00 | ON 100+25E 3 | .55 4 | 1.34 | 43.72 | 441.1 | 436 2 | 5.7 17 | .4 2053 | 2.82 | 107.7 | .4 4 | .2 1 | .4 19.3 | 3.79 | 1.57 | .20 | 70 .: | 20 .08 | 3 6.1 | 21.7 | .67 1 | 160.6 .1 | 05 | 2 2.54 | .012 | .07 | 3 4.1 | .31 | <.01 1 | 586 | .3 | .07 8 | 8.0 | | | |
| L103+00 | ON 100+50E 2 | .47 3 | 7.54 | 23.15 2 | 219.4 | 656 1 | 2.8 15 | 2 845 | 3.08 | 107.8 | .7 15 | .6 2 | .6 14.3 | .64 | 1.51 | .24 8 | 87 .: | 22 .05 | 4 7.7 | 14.9 | .43 | 57.6 .1 | 04 | 2 2.13 | .012 | .05 | 4 3.5 | .14 | <.01 | 812 | .2 | .08 8 | 8.4 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L103+00 | ON 100+75E | .97 2 | 8.37 | 23.26 1 | 140.5 | 883 | .6 20 | 0 1496 | 2.47 | 113.4 | .4 4 | .3 1 | .0 12.3 | .79 1 | 1.18 | .17 7 | 74 . | 21 .05 | 8 5.6 | 11.2 | .37 | 79.5 .0 | 70 | 1.26 | .014 | .05 | 2 2.7 | .13 | <.01 1 | 250 | .1 | .04 5 | 5.8 | | | |
| L103+00 | ON 101+00E 2. | .13 3 | 9.40 | 77.74 3 | 348.9 | 987 14 | .9 16. | 0 1444 | 2.54 | 130.4 | .5 3 | .8 1 | .9 14.5 | 2.27 1 | 1.24 | 20 € | 62 .2 | 25 .13 | 0 8.1 | 12.9 | .35 1 | 10.4 | 72 | 1 1.69 | .014 | .06 | 3 2 8 | 18 | < 01 1 | 192 | 2 | 07 6 | 6.3 | | | |
| | ON 101+25E 1. | .65 5 | 7.62 | 38.43 4 | 187.6 | 665 29 | 7 13 | 3 654 | 3.02 | 182.5 | .8 5 | .4 3 | 4 14.3 | 2.33 1 | 1.24 | 23 7 | 74 2 | 23 .16 | 1 9 6 | 16.0 | 44 1 | 17 3 0 | R2 5 | 2 76 | 011 | 06 | 3 3 2 | 17 | < 01 | 605 | 2 | 04 0 | 0.0 | | | |
| L 103+00 | ON 101+50E | .73 2 | 3.30 | 11.02 1 | 142.6 | 417 5 | 3 0 | 4 466 | 2.81 | 12 1 | 5 1 | 4 2 | 6 13 2 | 47 | 32 | 24 6 | 60 1 | 10 17 | 7 7 0 | 12.0 | 20 | 70 A A | E4 4 | 1 1 66 | 000 | ne . | 2 2.2 | 10 | 01 | 000 | . 2 . | 00 0 | 0.0 | | | |
| | ON 101+75E 1. | 03 28 | 6.83 | 9 47 | 69 1 | 532 6 | 2 7 | 2 526 | 2 51 | 1 2 | 2 4 2 | 7 4 | 7 43 7 | 10 | 20 | 21 6 | 69 .1 | 27 - 17 | 2 20 1 | 13.0 | .30 | 70.4 .0 | 70 4 | 1.00 | .008 | .05 . | 3 2.4 | .10 | <.01 | 152 < | ٠.١. | .03 7 | 2.1 | | | |
| 2100-00 | 1. | . 20 20 | 0.00 | 7.47 | 07.1 | 93E (| | 2 020 | 2.51 | 3.2 | £.4 J | ./ 4 | .7 43./ | . 19 | .20 | 0 15 | 03 | 3/ -102 | 3 20.1 | 13.1 | .34 | 56.7.0 | /6] | 1.50 | .014 . | .07 . | 3 4.3 | . 14 | <.01 | 207 | .2 . | .02 5 | 5.6 | | | |
| STANDAR | an nsa 6 | 75 12 | 6 83 | 30 54 1 | 150 6 | 204 20 | 4 11 | 0 705 | 2 21 | 22.0 | | | e ne n | E 27 . | | 00 ~ | | | | | : | | | | | | | | | | | | | | | |
| STANDAR | 10 U34 0. | 17 12 | 0.03 | 30.54 1 | 139.0 | 294 35 | .4 11. | 9 /96 | 3.21 | 22.8 | 5.9 24 | .0 3 | .0 26.9 | 5.3/ 4 | .56 5. | 00 7 | /5 .5 | .090 | 0 16.2 | 167.4 | .60 1 | 39.8 .0 | 82 3 | 1.78 | .029 | .15 3. | 6 3.7 | 1.08 | .07 | 269 1 | 1.4 . | .75 6 | 5.0 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



Page 3



| SAMPLE# | Но | Cu | Pb | Zn | Ag | N1 C | o Mn | Fe | As | U | Au | Th Sr | r Cd | Sb | Bi | ٧ | Ca | P La | Cr | Mg | Ba | T1 1 | 3 A1 | Na | K | / Sc | T1 | S | Hg | Se | Te | Ga | | | |
|---------------------|--------|---------|----------|---------|--------|----------|--------|------|---------|---------|------|----------|--------|--------|-------|-------|--------|----------|------|--------|----------|-------|--------|--------|--------|-------|------|------|------|--------|-------|-----|--|--|-----|
| | ppm | ppm | ppm | ppm | ppb | ppm pp | mqq m | 1 | ppm p | | | | | | | | | 2 ppm | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 200 | | | | | | | | | ,,, | | | | - | | | _ | | | | | | | |
| G-1 | 1.30 | 2.99 | 2.59 | 41.1 | 14 | 4.0 3. | 9 504 | 1.82 | .3 2 | .5 | .7 | 3.9 65.8 | <.01 | <.02 | .11 | 38 . | .57 .0 | 87 7.3 | 15.1 | .50 1 | 168.5 .1 | 25 | .91 | 066 . | 37 1.1 | 2.0 | .23 | .01 | 7 | <.1 <. | 02 4 | 8.1 | | | |
| L103+00N 102+00E | .49 | 17.58 | 5.11 | 42.2 | 151 | 5.0 4. | 5 167 | 2.23 | 2.5 | .5 | .5 | 2.5 17.9 | .16 | . 12 | .14 | 73 . | .25 .0 | 52 7.8 | 8.8 | .14 | 50.0 .0 | 165 | 1.08 | 009 . | 03 .2 | 2 1.7 | .04 | .01 | 322 | <.1 <. | 02 4 | 1.6 | | | |
| L103+00N 102+25E | .90 | 39.55 | 8.36 | 47.8 | 384 | 4.8 7. | 5 618 | 2.47 | 3.0 2 | .3 2 | .4 | 4.5 32.5 | 5 .15 | . 19 | .15 | 70 . | .31 .0 | 40 25.9 | 9.7 | .30 | 40.4 .0 | 61 | 1.12 | 010 . | 05 .: | 3.2 | .11 | .01 | 558 | <.1 <. | 02 4 | 1.5 | | | |
| L103+00N 102+50E | .80 | 26.11 | 7.05 | 90.3 | 445 | 7.6 6. | 3 228 | 2.40 | 3.1 | .7 1 | .7 | 3.1 28.6 | 5 .23 | . 15 | .20 | 68 . | .30 .0 | 60 8.4 | 11.3 | .22 | 74.8 .0 | 146 | 1.63 | 009 . | 05 .2 | 2 2.1 | .08 | <.01 | 322 | .1 <. | 02 7 | 7.0 | | | |
| L102+50N 98+00E | 1.77 | 94.37 | 21.89 | 147.0 | 359 2 | 4.3 12. | 6 778 | 3.25 | 34.2 1 | .7 2 | .3 | 2.3 45.3 | 3 .67 | .47 | .22 | 110 . | .91 .1 | 64 9.7 | 32.9 | 1.09 | 59.4 .1 | 32 | 3.11 | 021 . | . 80 | 6.5 | .09 | <.01 | 514 | .5 . | 08 9 | 9.2 | | | - 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L102+50N 98+25E | 2.21 | 104.30 | 27.48 | 166.9 | 528 2 | 25.4 17. | 8 2357 | 2.99 | 41.8 | .1 3 | 1.4 | 1.2 35.3 | 3 .63 | .73 | .16 | 86 | .75 .0 | 78 11.0 | 32.4 | 1.04 | 71.3 .0 | 90 | 2 2.21 | .026 . | 07 . | 5 7.1 | . 15 | <.01 | 1023 | .9 . | 07 7 | 7.2 | | | |
| L102+50N 98+50E | 1.93 | 67.77 | 17.35 | 183.1 | 193 | 33.4 14. | 3 938 | 3.20 | 41.0 | .7 4 | .2 | 2.1 43.7 | 7 .36 | .48 | .21 | 84 . | .68 .1 | 52 8.8 | 40.8 | .93 | 73.6 .1 | 130 | 1 2.90 | .023 . | 08 .1 | 6.2 | . 14 | <.01 | 652 | .4 . | 07 7 | 7.8 | | | - 1 |
| L102+50N 98+75E | 2.03 | 85.67 | 18.86 | 151.7 | 783 2 | 20.6 20. | 0 3041 | 2.55 | 79.2 | .8 5 | .5 | .7 32.8 | 8 1.14 | 1.27 | .27 | 63 | .74 .1 | 02 14.8 | 21.2 | .68 | 98.9 .0 | 159 | 2 2.14 | 023 . | 07 .: | 2 3.8 | . 17 | .02 | 772 | .8 . | 03 6 | 5.8 | | | - 1 |
| L102+50N 99+00E | 1.31 | 59.31 | 25.58 | 126.4 | 1313 1 | 6.3 16. | 9 2019 | 2.22 | 63.3 | .7 4 | .8 | .8 25.1 | 1 1.09 | 1.57 | .24 | 51 . | .67 .0 | 65 16.1 | 17.6 | .56 | 75.0 .0 | 153 < | 1 1.81 | 020 . | 05 . | 1 3.4 | .14 | <.01 | 1273 | .9 . | 07 5 | 5.8 | | | - 1 |
| L102+50N 99+25E | 2.72 | 73.02 | 29.13 | 196.3 | 596 2 | 21.5 25. | 7 2709 | 3.41 | 95.4 | .7 2 | .0 | 1.9 21.7 | 7 1.34 | 1.30 | .28 | 86 . | .33 .0 | 84 11.1 | 25.2 | .79 1 | 135.4 .0 | 197 | 1 2.98 | 014 | 08 .: | 2 4.8 | .23 | <.01 | 1583 | .5 . | 05 10 | 0.4 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - 1 |
| L102+50N 99+50E | 3.25 | 73.63 | 26.46 | 228.8 | 3999 2 | 3.1 27. | 1 2261 | 3.15 | 80.1 | .8 4 | .5 | 1.5 24.0 | 1.03 | 1.65 | . 25 | 67 . | .46 .1 | 44 30.3 | 19.8 | .66 1 | 107.9 .0 | 154 | 1 2.29 | 014 . | 06 .: | 2 4.5 | .24 | <.01 | 1396 | 1.0 . | 05 7 | 7.9 | | | - 1 |
| L102+50N 99+75E | 2.79 | 73.37 | 24.70 | 121.7 | 1878 1 | 8.5 17. | 1 921 | 3.48 | 61.7 1 | .3 4 | .9 | 4.4 19.3 | 3 .35 | 1.18 | .26 | 86 . | .34 .1 | 69 23.0 | 21.4 | .57 | 55.5 .1 | 30 | 1 4.69 | 013 . | 07 . | 2 5.0 | .16 | <.01 | 1039 | 1.0 . | 05 11 | 1.5 | | | - 1 |
| L102+50N 100+00E | 3.55 | 46.58 | 27.94 | 122.4 | 1298 1 | 2.6 18. | 3 2651 | 2.09 | 70.2 | .4 4 | .7 | .5 15.9 | 9 1.34 | 1.57 | .21 | 51 . | .29 .0 | 74 20.5 | 11.2 | .35 | 76.5 .0 | 141 | 1 1.40 | 022 . | 05 . | 2.4 | .14 | <.01 | 1695 | .6 . | 04 5 | 5.3 | | | |
| RE L102+50N 100+00E | 3.54 | 46.14 | 27.22 | 119.8 | 1406 1 | 2.8 17. | 7 2578 | 2.06 | 67.5 | .4 35 | .4 | .5 15.2 | 2 1.25 | 1.53 | . 19 | 51 . | .28 .0 | 73 19.9 | 10.9 | .35 | 74.1 .0 | 141 | 1.36 | 022 . | 05 .: | 2 2.5 | .13 | <.01 | 1660 | .6 . | 04 5 | 5.3 | | | - 1 |
| L102+50N 100+25E | 2.19 | 56.34 | 31.29 | 203.2 | 1427 1 | 2.6 39. | 0 3541 | 2.69 | 103.2 | .4 2 | .4 | .7 19.9 | 1.30 | 1.59 | .20 | 68 . | .23 .1 | 05 10.2 | 13.3 | .50 1 | 125.9 .0 | 156 | 1.83 | 020 . | 07 .2 | 2 3.1 | .21 | .01 | 2187 | .4 . | 05 7 | 1.7 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - 1 |
| L102+50N 100+50E | | | | | | | | | | .6 2 | | | | | | | | | | | | | | | | | | | | | | | | | - 1 |
| L102+50N 100+75E | 1.49 | 34.92 | 19.44 | 242.7 | 358 1 | 4.0 10. | 7 1452 | 2.48 | 89.4 | .5 4 | .5 | 2.0 14.6 | 5 1.31 | 1.00 | .20 | 63 . | .24 .1 | 09 6.4 | 12.5 | .38 1 | 150.9 .0 | 63 | 1.92 | 013 . | 06 .3 | 2.6 | .14 | <.01 | 1213 | .1 <. | 02 7 | .3 | | | - 1 |
| L102+50N 101+00E | 1.19 | 43.11 | 18.51 | 179.8 | 420 1 | 1.7 9. | 5 751 | 2.33 | 68.3 | .7 5 | .5 | 2.6 13.7 | 1.15 | .81 | .18 | 60 . | 22 .0 | 93 7.5 | 11.8 | .32 | 85.2 .0 | 76 < | 1.89 | 014 . | 06 .3 | 2.6 | .12 | <.01 | 590 | .2 . | 05 6 | 5.4 | | | |
| L102+50N 101+25E | 1.32 | 87.28 | 20.31 | 189.2 | 1000 1 | 4.4 22. | 5 1004 | 4.37 | 32.6 | .6 5 | .7 2 | 2.2 60.2 | .70 | .70 | .29 1 | 105 . | 40 .2 | 87 5.7 | 17.4 | .84 1 | 111.2 .0 | 45 < | 3.51 | 010 . | 12 .5 | 4.0 | . 13 | <.01 | 1055 | .3 . | 04 12 | 2.5 | | | - 1 |
| L102+50N 101+50E | 1.04 | 47.38 | 13.95 | 241.7 | 593 1 | 4.2 12. | 0 999 | 2.76 | 19.4 | .7 6 | .6 2 | 2.9 35.9 | .82 | .42 | . 23 | 69 . | 30 .19 | 55 14.5 | 17.3 | .36 1 | 112.8 .0 | 55 <1 | 2.03 | 010 . | 07 .3 | 3.3 | .12 | <.01 | 1015 | .1 . | 03 8 | 1.1 | | | |
| | | | vanarann | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - 1 |
| | | | | | | | | | | .5 10 | | | | | | | | | | | | | | | | | | | | | | | | | - 1 |
| L102+50N 102+00E | . 60 | 25.90 | 7.15 | 73.2 | 195 | 5.6 8. | 4 549 | 2.25 | 5.9 | .5 4 | .4 2 | 2.1 38.7 | .24 | .22 | .16 | 53 . | 30 .10 | 04 7.4 | 9.3 | .28 | 97.9.0 | 58 <1 | 1.44 | 013 . | 08 .3 | 2.0 | . 15 | <.01 | 525 | .2 . | 04 6 | .2 | | | - 1 |
| L102+50N 102+25E | .38 | 12.94 | 6.54 | 47.7 | 106 | 2.9 6. | 6 881 | 1.91 | 2.6 | .3 3 | .4 1 | 1.3 32.1 | .12 | .23 | . 13 | 48 . | 21 .03 | 36 4.8 | 5.1 | .29 | 69.3.0 | 68 1 | 1.09 | 020 . | 05 .3 | 2.0 | .09 | .01 | 750 | .1 . | 02 4 | .8 | | | - 1 |
| L102+50N 102+50E | .95 | 22.15 | 13.16 | 61.8 | 180 | 4.0 7. | 5 1165 | 1.92 | 3.7 | .7 2 | .4 1 | 1.8 48.2 | . 19 | .26 | . 15 | 44 . | 33 .04 | 42 9.8 | 5.8 | .37 | 79.5 .0 | 58 <1 | 1.29 . | 018 . | 37 .3 | 2.3 | .12 | .01 | 1015 | <.1 <. | 02 5 | .6 | | | - 1 |
| L102+00N 97+50E | 3.43 | 43.65 | 17.22 | 120.6 | 183 1 | 1.7 11. | 7 2082 | 2.23 | 18.5 | .4 | .2 1 | .2 40.0 | .79 | .43 | .23 | 59 . | 57 .05 | 55 6.7 | 14.3 | .37 1 | 24.0 .0 | 97 2 | 1.83 . | 017 . | .2 | 3.2 | . 15 | .03 | 1255 | .4 . | 04 7 | .0 | | | |
| 1 100-00H 07-1FF | | ee no | | | | | | | | | ow. | 2.22.2 | | | 00.17 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | .3 3 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | 5 10263 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | .5 6 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | .5 15 | | | | | | | | | | | | | | | | | | | | | | | | | |
| L102+00N 99+75E | 2.18 | 44.11 | 30.99 | 157.3 | 1035 1 | 4.3 16.1 | 1919 | 2.65 | 49.5 | .7 6 | 0 2 | .5 22.5 | 1.12 | .69 | .26 | 64 . | 31 .11 | 10 10.4 | 14.2 | .33 1 | 59.6 .0 | 96 <1 | 2.33 . | 013 . | .2 | 3.0 | .16 | <.01 | 939 | .4 . | 04 8 | .5 | | | - 1 |
| L102+00N 100+00E | 1 04 | 20 60 | 17 61 | 202 5 | 404 ** | 1 0 10 | | | en 1 | | | | | | | | | | | - | 2012 0 | | | | | | 7025 | | | | 20 79 | 32. | | | - 1 |
| | | | | | | | | | | 5 3. | | | | | | | | | | | | | | | | | | | | | | | | | |
| L102+00N 100+25E | 1.50 | 20.44 | 15.47 | 02.0 | 550 | .2 13.4 | 1369 2 | 2.01 | 25.0 | 4 . | 8 1 | .0 13.0 | . 25 | .39 | . 15 | 55 . | 22 .06 | 6.1 | 9.9 | .25 5 | 51.2 .00 | 55 <1 | 1.17 . | 018 . | .2 | 2.0 | . 10 | .01 | 968 | .2 <.0 | 02 5 | .7 | | | |
| | | | | | | | | | | 3 2. | | | | | | | | | | | | | | | | | | | | | | | | | |
| L102+00N 100+75E | .84 | 35.79 | 4.90 | 27.1 | 74 3 | 3.9 6.3 | 343 2 | 2.25 | 15.7 | 7 25. | 9 3 | .8 20.1 | .H | .31 . | .12 | 82 . | 42 .07 | 9 13.3 | 10.0 | .20 | 40.8 .05 | 59 <1 | .64 . | 0. 800 | 3 .3 | 2.6 | .03 | <.01 | 274 | .1 .0 | 03 3. | .4 | | | |
| L102+00N 101+00E | 1.99 | 90.15 | 8.28 2 | 228.0 2 | 155 12 | 2.8 10.5 | 955 2 | 2.41 | 53.3 1. | 6 10. | 8 2 | .4 28.1 | 1.91 | .08 | 18 | 59 .5 | 51 .04 | 8 21.2 | 14.0 | .47 8 | 81.0 .04 | 17 1 | 2.08 . | 020 .0 | 9 .3 | 4.8 | .16 | .01 | 574 | .5 .0 | 12 7. | .0 | | | - 1 |
| STANDARD DS4 | 7 02 1 | 20 12 1 | 11 /0 1 | E0 0 | 216 00 | | 700 | | 00 1 - | | | | | | | | | | | 22.00 | | | allo- | | 21 | | 219- | | | | | | | | |
| STANDARO 034 | 7.UZ I | cu.12 . | 1.48 | 50.0 | 316 33 | .5 11.6 | 782 3 | .07 | 22.1 5. | 8 26. | ь з | .5 27.0 | 5.03 4 | .39 4. | 94 | 74 .5 | 51 .08 | 7 15.7 1 | 64.7 | .57 13 | 36.2 .08 | 33 2 | 1.69 . | 129 .1 | 5 3.6 | 3.5 | 1.08 | .04 | 288 | 1.2 .7 | 75 6. | .0 | | | |
| | | | | | | | | | | | | | | | | 100 | | | | | | | | | | | | | | | | | | | |

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA



Page 4

| | | _ | - | | | | | | | | | | | | | | | | | _ | | | | | | _ | | | | _ | | | |
|---|---|--------|---------|--------|-------|--------|--------|---------|--------|-------|--------|--------|--------|--------|---------|--------|-------|------|---------|--------|-------------|-------|------------|---------|--------|--------|---------|---------|-------|------|------|--|---|
| | SAMPLE# | Mo | Cu | Pb | 70 | Am | 144 | Co I | in to | | 11 | An 1 | rh e. | | es. | 04 | | | | | No. De | ** | 0 41 | | v | | ** | | | | | | |
| | SALL CER | HU | cu | ru | LII | My | 141 | CO I | m re | No. | U | Au | 111 21 | ca | 20 | D1 | V Co | ı r | La | CF | Hg Ba | 11 | B AI | Ma | K M | 2C | 11 | 2 Hg | 26 | 1e | Gå | | |
| | | ppm | DDm | ppm | DDM | ppb | DDM | DDM DE | om 3 | DDM | DDm | opb pr | om pom | DDM | DOM D | Off DD | m 3 | 2 | DDM | DDM | % ppm | 2 | pom \$ | 8 | \$ DOM | DOM | nom | # pph | nom | non | ppe | | |
| | | | | | | | | rr e | 11111 | | rr. | re- H | | - FF | 11 1 | | | | P.P. | P.P. | PP | | pper | | - bb | P.P. | p.p.m | - ppo | bb | bbin | pp | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | G-1 | 1.42 | 2.77 | 2.85 | 44.7 | 21 | 4.7 | 4.7 59 | 3 2.07 | .1 | 1.6 | .2 4 | 0 91.8 | .03 | .05 | 13 4 | 0 .64 | .079 | 9.5 | 12.1 | .59 259.0 | .152 | <1 1.16 . | 132 .5 | 5 2.2 | 3.2 | .31 <.1 | 01 6 | <.1 < | .02 | 5.4 | | |
| | L102+00N 101+25E | | | | | | | | | | | | | | | | | | | | .59 111.9 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | L102+00N 101+50E | .92 | 44.15 | 36.69 | 351.8 | 769 2 | 3.7 1 | 3.7 104 | 6 2.41 | 69.2 | .4 | 3.3 1 | 7 27.7 | 2.62 | .85 . | 19 6 | 0 .24 | .133 | 6.3 | 13.8 | .48 136.3 | .068 | 2 2.09 . | 016 .0 | 9 .4 | 2.9 | .14 <.1 | 01 897 | .2 | .02 | 7.0 | | |
| | L102+00N 101+75E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| * | | | | | | | | | | | | | | | | | | | | | .47 89.1 | | | | | | | | | | | | |
| | L102+00N 102+00E | .80 | 24.43 | 8.12 | 76.8 | 166 | 6.5 | 8.7 36 | 5 2.49 | 4.4 | .6 | 3.1 2 | 8 41.7 | .21 | .21 . | 20 5 | 7 .37 | .045 | 9.4 | 6.8 | .35 107.4 | .061 | <1 1.70 . | 009 .1 | 0 .3 | 2.2 | .09 <.1 | 01 202 | .1 | .04 | 6.2 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | L102+00N 102+25E | .57 | 30.15 | 12.69 | 139.0 | 361 | 8.6 | 5.9 27 | 6 1.93 | 3.5 | 1.0 | .8 6 | 9 34.5 | .35 | .14 . | 23 3 | 6 .28 | .114 | 18.4 | 6.5 | .21 110.9 | .064 | 2 2.16 . | 012 .0 | 8 .3 | 1.8 | .12 <.1 | 01 377 | <.1 < | .02 | 8.3 | | |
| | L102+00N 102+50E | .42 | 14.05 | 6.75 | 72.4 | 73 | 6.2 | 5.2 18 | 5 1.80 | 1.9 | 6.1 | 1 1 4 | 5 28 8 | 1 19 | 16 | 14 5 | 4 20 | 633 | 15.0 | 9 2 | .18 60.6 | 066 | c1 1 00 | 000 0 | 5 2 | 1 0 | 04 - 1 | 01 174 | 2 | . 02 | 4.0 | | |
| | L101+50N 97+50E | 1 00 | 10 20 | 10.10 | | | | | | | - | | | | | | | .000 | 10.0 | 7.6 | .10 00.0 | .000 | 1 1.00 . | 000 .0 | ۵. د | 1.7 | .041 | 01 1/4 | | .02 | 4.0 | | |
| | | | | | | | | | | | | | | | | | | | | | .29 78.4 | | | | | | | | | | | | |
| | L101+50N 97+75E | 1.83 | 87.82 | 9.47 | 67.1 | 272 1 | 5.3 1 | 1.0 78 | 2 2.85 | 27.8 | 1.1 1 | 2.3 2 | 8 31.7 | . 18 | .73 . | 16 9 | 1 .53 | .085 | 19.4 | 19.0 | .48 35.0 | 064 | <1 1 17 | 009 0 | 6 4 | 5 5 | 05 < 1 | 01 261 | 6 - | 0.2 | A A | | |
| | L101+50N 98+00E | 5.5 | 20 12 | A 76 | 77 2 | 142 | | c a 101 | 2 1 12 | 11 0 | • | | | 70 | 00 | | | | | | | | | | | | .00 | 01 201 | .0. | . 02 | 4.4 | | |
| | E101-30H 30-00E | .50 | 29.13 | 4.70 | 13.2 | 143 | 0.0 | 0.2 101 | 3 1.12 | 11.0 | .2 | 1.3 | 4 19.1 | .30 | .22 . | 0/ 3 | 3 .23 | .048 | 3.6 | 9.2 | .18 51.7 | .051 | 1 .89 . | 025 .0 | 3 .2 | 1.9 | .05 .0 | 02 646 | .3 < | .02 | 3.1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | L101+50N 98+25E | 6.85 | 291 83 | 27.31 | 208 1 | 952 2 | 5 4 5 | 2 7 250 | 5 6 05 | 74 A | 5 1 | 6 1 | 2 51 2 | 96 | 1 00 | 27 20 | 7 75 | 104 | 11 6 | 22 5 1 | .22 96.9 | 104 | 2 2 00 | 015 0 | | 2 2 | 24 | 11 100- | | 20 . | 10.0 | | |
| | 1 101 . 200 . 20 . 202 | | | 27.01 | 200.1 | 302 6 | U. T D | 617 600 | 0.33 | 14.4 | .0 | .0 1 | 2 31.2 | .00 | 1.90 . | 3/ 20 | | .104 | 11.5 | cJ.0 1 | .22 90.9 | . 104 | 3 2.00 . | 015 .0 | 0 .6 | 13.2 | .34 .(| 01 1092 | 2.8 | .30 | 12.2 | | |
| | L101+50N 98+50E | 2.14 | 86.34 | 23.51 | 146.1 | 643 1 | 7.5 2 | 5.2 177 | 3 3.41 | 40.6 | .8 | 3.0 2. | 5 27.4 | .95 | 1.01 . | 31 9 | 1 .30 | .120 | 10.7 | 21.3 | .57 87.6 | .117 | 1 2.70 . | 011 .0 | 5 .5 | 5.0 | .18 <.0 | 01 844 | .7 | . 18 | 8.7 | | |
| | L101+50N 98+75E | 3.01 | 46.84 | 20.26 | 155.9 | 255 2 | 5.3 1 | 6.5 153 | 5 2 49 | 41 9 | .5 | 1 9 1 | 6 20 2 | 81 | 1 60 | 20 5 | 7 23 | 051 | 0 0 | 16 0 | .48 158.8 | nea | 2 2 11 | 019 0 | E 2 | 2.1 | 17 - 1 | 11 1100 | | 0.4 | | | |
| | L101+50N 99+00E | 9 16 | EE 01 | 20 16 | 205 4 | 207 1 | | | | 00.0 | | | | | | | | | | 10.5 | .40 100.0 | .000 | | 010 .0 | 3 .2 | 3.1 | | 01 1109 | .0 | .04 | 0.0 | | |
| | C101-30N 33-00E | 6.13 | 35.01 | 30.10 | 205.4 | 387 1 | 0.3 2 | 1.5 217 | 0 2.54 | 92.0 | ./ : | 0.6 2. | 1 22.7 | 1.45 | 1.80 . | 22 5 | 6 .32 | .102 | 13.9 | 14.4 | .43 151.7 | .079 | 1 2.36 . | 018 .0 | 5 .1 | 3.8 | .17 <.0 | 11 1491 | .6 | .05 | 7.4 | | |
| | L101+50N 99+25E | 1.52 | 41.26 | 14.57 | 91.6 | 536 | 9.2 1 | 4.7 304 | 4 2.12 | 54.7 | .5 | 5.2 1. | 6 33.7 | .86 | .51 . | 19 5 | 1 .58 | .098 | 9.4 | 9.9 | .25 236.6 | .069 | 2 1.65 . | 015 .0 | 7 .2 | 2.2 | .14 <.0 | 01 1152 | .4 | .02 | 6.1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | L101+50N 99+50E | 2 12 | 40 60 | 10 00 | 00.0 | 1241 1 | | | | | | | | | ** | | | | | | | | | | | **** | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | .30 114.2 | | | | | | | | | | | | |
| | L101+50N 99+75E | 1.24 | 46.78 | 20.74 | 120.4 | 1198 | 8.5 1 | 3.9 207 | 3 2.30 | 99.9 | .6 10 |).5 1. | 9 22.9 | .93 | .79 . | 21 59 | 5 .43 | .116 | 11.1 | 9.7 | .25 142.0 | .065 | 1 1.73 . | 014 .0 | 5 .2 | 2.3 | .10 .0 | 11 1869 | .4 < | .02 | 5.9 | | |
| | | | | | | | | | | | | | | | | | | | | | .39 197.5 | | | | | | | | | | | | |
| | DE 1 101 - CON 100 - COF | 1 44 | FO 0F | 01 01 | 170 4 | **** | | 1 | | 101.4 | | | | .03 | | 27 00 | | .050 | 5.0 | 10.1 | .37 177.3 | .090 | 2 2.10 . | 011 .0 | 0 .2 | 3.2 | .1/ | 11 1122 | .3 | .05 | 1.1 | | |
| | RE L101+50N 100+00E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | L101+50N 100+25E | 1.58 | 53.03 | 13.25 | 215.6 | 1396 1 | 0.5 3 | 3.9 153 | 5 4.87 | 88.8 | .3 11 | .5 1. | 4 15.0 | .71 | 1.50 . | 26 116 | 5 .22 | .165 | 6.2 | 12.9 | .68 105.7 | .072 | 1 2.02 . | 009 .0 | 6 .2 | 4.3 | 14 < 0 | 11 1131 | .3 | .12 | 9.6 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1000 | | 1000 | | |
| | L101+50N 100+50E | 2 05 | ** ** * | 101 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 7.05 | /4.51 | 136.49 | 484.2 | 1697 1 | 2.8 2 | 5.6 153 | 1 4.48 | 250.6 | .4 14 | .7 1. | 2 22.2 | 1.14 | 1.74 . | 18 81 | 1 .43 | .152 | 6.5 | 13.0 | .78 91.9 . | .023 | 1 2.13 . | 0.11 | 8 .3 | 3.4 | .20 .0 | 1 1002 | .6 | .17 | 7.9 | | |
| | L101+50N 100+75E | 2.47 | 38.62 | 32.74 | 299.5 | 1918 2 | 2.8 1 | 4.8 194 | 6 3.01 | 66.1 | .8 11 | .2 2. | 9 22.8 | 2.71 | .96 | 30 53 | 3 .33 | .226 | 12.0 | 16.3 | .38 155.7 . | 117 | 2 2 93 . | 016 .0 | 9 .3 | 3.9 | 17 < 0 | 11 1033 | 4 | 112 | 9.5 | | |
| | | | | | | | | | | | | | | | | | | | | | .99 149.2 . | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | L101+50N 101+25E | 1.48 | 60.09 | 24.80 | 565.1 | 372 1 | 9.0 1 | 5.5 116 | 4 3.02 | 63.5 | .4 1 | .3 1. | 9 15.8 | 3.11 | 1.01 . | 19 66 | 5 .20 | .082 | 8.0 | 16.1 | .68 120.0 . | 053 | <1 2.55 .0 | 010 .0 | 9 .4 | 4.0 | 22 <.0 | 1 873 | .2 | .02 | 8.2 | | |
| | | | | | | | | | | | | | | | | | | | | | .63 83.6 . | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | .001 | 0.0 | 40.5 | | | -1 2.00 . | | | 0.4 | | 10/5 | . 6 | .02 | 0.9 | | |
| | TVLVIQUE CONCER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | L101+50N 101+75E | 1.04 | 33.54 | 25.20 | 175.8 | 417 | 9.5 19 | 5.5 120 | 5 2.66 | 14.6 | .6 1 | .6 1. | 8 37.0 | .71 | .52 .: | 17 66 | .33 | .087 | 7.4 1 | 11.6 | .43 95.9 . | 045 | 1 1.88 .0 | 015 .0 | 3 .4 | 3.1 | 14 <.0 | 1 994 | .2 | .03 | 7.5 | | |
| | L101+50N 102+00E | .78 | 26.82 | 7.83 | 75.8 | 174 | 5 5 5 | 8 8 55 | 3 2 04 | 4.5 | 7 5 | 6 2 | 6 23 8 | 30 | 30 | 13 58 | 31 | 0.38 | 11.1 | 0 3 | .26 43.7 . | 062 | <1 1 02 0 | 110 0 | | 2 4 | 10 0 | 1 209 | 1 - | 02 | 4.0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | L101+50N 102+25E | 1.02 | 30.60 | 5.95 | 52.1 | 181 | 5.1 (| 5.5 26 | 2 2.00 | 2.8 | 1.6 4 | .1 4. | 4 27.6 | .12 | .22 | 15 56 | .35 | .024 | 20.2 | 10.3 | .23 21.5 . | .081 | 1 .75 .0 | 0.08 | 1 .4 | 2.7 | 09 <.0 | 1 166 | .3 < | .02 | 3.6 | | |
| | L101+50N 102+50E | 1.09 | 46.75 | 8.19 | 71.7 | 169 | 7.1 9 | 9.5 49 | 8 2.39 | 5.7 | 1.4 13 | .1 4. | 2 39.1 | .34 | .25 .3 | 22 61 | .43 | .071 | 18.2 | 9.9 | .30 47.2 . | 078 | 1 1.17 .0 | 009 .00 | 5 .4 | 2.9 | 08 < .0 | 1 531 | .3 | .03 | 4.9 | | |
| | Park Committee and the Committee of the | | | | | | | | | | | | | | | | | | | | .40 87.7 . | | | | | | | | | | | | |
| | ETAT-DON SO-DOE | 1.00 | 46.30 | 23.33 | 130.9 | 105 1 | 1.7 13 | 0.0 249 | 2 2.13 | 30.0 | .5 1 | | 0 30.2 | 1.20 | .91 ., | 36 30 | | .045 | 5.4 | 15.2 | .40 87.7 . | 000 | 1 1.05 .0 | 114 .00 | | 3.3 | 22 <.0 | 1 1103 | .4 | .09 | 5.9 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | L101+00N 96+75E | 1.72 | 42.89 | 11.85 | 182.2 | 169 4 | 2.2 18 | 3.3 181 | 7 4.00 | 50.4 | .4 1 | .6 1 | 6 46.1 | 1.30 | .68 | 10 104 | .51 | 105 | 8.2 3 | 35.5 | .81 137.7 . | 110 | 3 2 81 (| 117 .01 | 1 6 | 6.3 | 25 < 0 | 1 985 | 9 | 07 1 | 0.5 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | .64 80.1 . | | | | | | | | 7.00 | - | | | |
| | L101+00N 97+25E | 2.36 | 38.65 | 32.17 | 211.9 | 310 2 | 1.2 11 | .0 271 | 2.58 | 83.3 | .8 2 | .7 1. | 4 23.4 | 2.04 1 | .41 .6 | 51 56 | .38 | .048 | 9.2 1 | 16.6 | 53 162.5 . | 057 | 1 1.83 .0 | 16 .08 | .3 | 3.2 . | 24 < .0 | 1 1177 | .3 . | .15 | 6.1 | | |
| | L101+00N 97+50E | 1 38 | 16 95 | 22 35 | 102 0 | 685 2 | 6 12 | A 154 | 2 15 | 114 8 | 1 2 1 | 0 2 | 0 22 2 | 1 07 1 | 22 1 | 17 FE | 44 | 060 | 15 0 0 | 24 1 | 78 138.9 . | ngo | 2 2 75 6 | 112 0 | | 4 7 | 28 - 0 | 1 777 | | ne | 0.4 | | |
| | a pulsa rapid (P.V.) (EA.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | L101+00N 97+75E | .81 | 36.75 | 16.70 | 113.0 | 444 12 | 2.3 11 | .2 253 | 2.07 | 83.3 | .7 4 | .0 . | 5 27.8 | 1.02 1 | .01 .2 | 3 45 | .74 | .064 | 8.0 1 | 15.5 | 51 102.0 . | 036 | 1 1.46 .0 | 125 .04 | .2 | 3.1 . | 16 .0 | 1 997 | .7 . | .03 | 4.4 | | |
| | | | | | | | | | | | | | | | | | - | | | | | - | | | | | | | | | | | 1 |
| | STANDARD DS4 | 6 51 1 | 20 24 | 21 00 | 150 1 | 202 24 | 2 10 |) E 704 | 2 16 | 22 E | E 0 27 | | 5 20 2 | E 17 4 | 60.4 | 0 74 | EF | non | 16 6 10 | | .58 136.2 . | 004 | 2 1 76 6 | 20 14 | 2.2 | | 07 0 | | | 72 | | | |
| | שייייייייייייייייייייייייייייייייייייי | 9.31 I | LU. 24 | 31.70 | 137.1 | 202 34 | .5 12 | 79 | 3.10 | 22.5 | 3.9 21 | .5 3.1 | 20.2 | 3.17 9 | .09 4.0 | 0 /4 | .55 | .009 | 10.5 16 | oo.u | 30 130.2 | P00 | 2 1.70 .0 | . It | 3.7 | 5./ 1. | 0/ .0 | 5 264 | 1.3 . | .// | 5.9 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.





0 Page 5

ACME ANALYTICAL

| SAMPLE# | Мо | Cu | Pb | Zn | Ag I | NI Co | Mn | Fe | As | U A | u Ti | h Sr | Cd ! | Sb Bi | V | Ca | PI | a (| r M | g Ba | 71 | B A | 1 Na | K | W S | c T | 1 5 | Hg | Se | Te | Ga | | |
|--------------------|---------|-------|----------|-------|---------|---------|------|--------|------|---------|-------|--------|----------|---------|-----|-------|--------|-----------|-------|---------|--------|--------|--------|-------|---------|-------|---------|-------|-------|-------|------|--|-----|
| | ppm | ppm | ppm | DDM | ppb pi | om oom | ppm | 2 | ppm | ppm ppl | ь ррг | m ppm | ppm p | om ppm | ppm | 3 | % pp | om pp | m 1 | ž ppe | 2 | ppm | 1 1 | 2 (| opra pp | m ppe | 1 1 | ppb 1 | ppm p | opm p | ppm | | |
| | | | | | | | - | | | | | | | | | | | | _ | | | | | | | | | | | | | | |
| G-1 | 1.16 | 2.78 | 2.48 | 35.8 | 8 4 | .0 3.7 | 496 | 1.73 | .2 | 2.7 . | 4 4. | 1 65.0 | .02 . | 12 .10 | 34 | .60 . | 085 7 | 7 12. | 9 .48 | 8 168.5 | .115 | <1 .9 | 1 .069 | .35 | 1.2 2. | 2 .23 | 3 < .01 | 5 | <.1 < | 02 | 4.3 | | - 1 |
| | | | | | | | | | | | | | .26 . | | | | | | | | | | | | | | | | | | | | - 1 |
| | | | | | | | | | | | | | 1.27 . | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 1.79 1. | | | | | | | | | | | | | | | | | | | | - 1 |
| | | | | | | | | | | | | | 1.51 1. | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L101+00N 99+00E | 1.82 | 60.73 | 26.49 | 78.7 | 1062 8 | .0 23.2 | 2433 | 2.14 | 34.8 | .4 2. | 5 . | 5 28.5 | .66 . | 90 .27 | 56 | .40 . | 109 8 | .3 7 | 8 .2 | 6 154.0 | .053 | <1 1.3 | 5 .018 | .06 | .1 2. | 0 .1 | 2 <.01 | 1721 | .2 | .05 | 5.9 | | - |
| | | | | | | | | | | | | | .15 . | | | | | | | | | | | | | | | | | | | | - 1 |
| | | | | | | | | | | | | | .27 . | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | .45 . | | | | | | | | | | | | | | | | | | | | - 1 |
| | | | | | | | | | | | | | 1.35 1. | | | | | | | | | | | | | | | | | | | | - 1 |
| E101-00H 100-00E | | 07.00 | 25.00 | 702.4 | .,,, 13 | .0 27.1 | 1004 | 0.34 6 | 20.4 | | | | 2.00 | | - | | | | | | | | | 80.5 | 375 13 | | | | | | 21.5 | | |
| 1.101+00N 100+25E | 2 00 | 73 11 | 15 /8 2 | 263 0 | 010 15 | A 12 0 | 1160 | 2 52 | 7A A | 103 | 1 2 | 5 20 5 | 1.23 . | 65 25 | 55 | 32 | 119 19 | 8 12 | 7 7 | 5 106 2 | 075 | 127 | 0 020 | 07 | 2 3 | 4 1 | 3 < 01 | 764 | 4 < | 02 | 7.3 | | - 1 |
| | | | | | | | | | | | | | 1.42 1. | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | .85 1. | | | | | | | | | | | | | | | | | | | | - 1 |
| | | | | | | | | | | | | | 1.17 1. | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 2.34 1. | | | | | | | | | | | | | | | | | | | | - 1 |
| L101+00H 101+25C | 2.70 | 04.40 | 20.00 0 | 0.00 | 1616 10 | .0 20.3 | 100/ | 3.34 1 | 47.1 | .5 0. | v | 7 23.3 | 2.04 1. | | ,,, | .05 | 111 | . 7 . 46. | | 0 146.4 | .000 | | .010 | | | | | OLL | | | | | - 1 |
| L101+00N 101+50E | 1 05 | 61 16 | 0 04 | 07 G | 662 8 | 0 0 4 | 906 | 2 20 | 9.5 | 123 | 3 1 | 0 23 6 | .62 . | 3R 13 | 52 | 48 | 045 14 | 1 11 | 5 5 | 6 131 0 | 048 | <1 2 (| 0 018 | 16 | 5 4 | 7 1 | 6 < 01 | 418 | 6 < | 02 | 6.1 | | - 1 |
| | | | | | | | | | | | | | .60 . | | | | | | | | | | | | | | | | | | | | - 1 |
| | | | | | | | | | | | | | 1.86 | | | | | | | | | | | | | | | | | | | | - 1 |
| | | | | | | | | | | | | | 1.37 . | | | | | | | | | | | | | | | | | | | | - 1 |
| | | | | | | | | | | | | | 14.49 5. | | | | | | | | | | | | | | | | | | | | - 1 |
| L100+50W 97+00E | 14.90 5 | 40.40 | 55.77 | 30.3 | 000 33 | .3 06.9 | 3001 | U.42 6 | 07.5 | 1.3 20. | | 9 00.0 | 14.43 3. | 37 1.07 | 230 | .00 . | 113 10 | | 3 1.3 | . 04.5 | , ,000 | . 0.0 | 0 .010 | .00 | | , , | | 2007 | | | | | - 1 |
| L100+50N 97+25E | 3 36 1 | 13 76 | 216 42 6 | on s | 1104 44 | 5 16 1 | 2357 | 3 63 3 | 97 1 | 1 0 21 | 9 1 | 2 22 8 | 4.08 4. | 42 67 | 64 | 62 | 052 17 | 7 27 | 1 .7 | 9 132.8 | 013 | <1 1.9 | 9 .013 | .07 | .3 4. | 9 .3 | 3 .04 | 1013 | 1.4 | .38 | 6.5 | | |
| | | | | | | | | | | | | | 1.32 | | | | | | | | | | | | | | | | | | | | - 1 |
| | | | | | | | | | | | | | .64 1. | | | | | | | | | | | | | | | | | | | | - 1 |
| | | | | | | | | | | | | | 1.04 | | | | | | | | | | | | | | | | | | | | - 1 |
| RE L100+50N 98+00E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - 1 |
| NE L100+30N 90+00E | 2.00 | 30.43 | 10.03 6 | 0,102 | 3/3 10 | .0 11.5 | 1031 | 2.31 | 70.4 | ., , | J E. | u 23.3 | . 30 . | , | 31 | | 050 10 | ., 10 | | 0 111.3 | | | | | | | | | *.*. | | | | - 1 |
| L100+50N 98+25E | 1 60 | 22 27 | 16 24 1 | 112 4 | 266 12 | 4 14 2 | 042 | 2 27 | E1 7 | 0 2 | 2 2 | 0 20 8 | .43 . | RA 17 | 93 | 33 | DRR 14 | 1 14 | 5 5 | 6 79 7 | 7 672 | <1 2 2 | 0 .010 | .05 | 3 4. | 6 1 | 3 < .01 | 859 | .4 | .04 | 7.1 | | |
| L100+50N 98+50E | 2.02 | 04 22 | 22 68 1 | 112.4 | COE 14 | 1 20 7 | 2276 | 2 62 1 | nn 2 | 100 | 2 2 | 1 22 1 | .87 . | 86 26 | 103 | 55 | 078 13 | 3 19 | 8 6 | 6 99 1 | 063 | 122 | 3 009 | .05 | 3 5 | 2 .1 | 7 .01 | 1631 | 9 | 15 | 7.4 | | - 1 |
| L100+50N 98+75E | 2.03 | 69.3/ | 22.00 1 | 137.0 | 030 19 | .1 20.7 | 22/0 | 2.03 1 | 26.2 | E 0 | 2 6. | 0 22 0 | .77 . | 72 22 | 67 | A9 | 070 13 | 0 14 | 8 4 | 8 110 1 | 061 | 116 | A 021 | 05 | 3 4 | A 1 | 4 02 | 1647 | 7 | 06 | 5.5 | | |
| | | | | | | | | | | | | | 1.84 1. | | | | | | | | | | | | | | | | | | | | - 1 |
| L100+50N 99+00E | 2.40 | 50.1/ | 22.70 2 | 37.1 | 529 20 | .6 22.3 | 2510 | 3.03 1 | 41.9 | .0 0. | | 1 20.7 | 1.78 1. | 15 .27 | 60 | .33 . | 122 14 | 6 16 | e e | E 107 0 | 075 | 1 2 2 | 0 .016 | 06 | 2 2 | 7 1 | 7 02 | 1001 | 1.0 | na | 8.3 | | |
| L100+50N 99+25E | 2.82 | 76.10 | 17.27 2 | 217.2 | 791 15 | .9 22.1 | 2980 | 2.99 1 | 98.3 | .9 2. | / 1. | 5 29.0 | 1.78 1. | 16 .33 | 02 | .50 . | 133 14 | .0 10 | .5 | 0 107.0 | .0/5 | 1 2.7 | 0 .010 | .00 | | | .02 | 1331 | 1.0 | .00 | 0.5 | | - 1 |
| | | | | | | | | | | | | | | ra 10 | | 22 | n70 ¢ | 7 10 | | 0 02 0 | 000 | 111 | 2 022 | 0.4 | 2 2 | 2 1 | 0 - 01 | one | | 10 | 4 0 | | - 1 |
| L100+50N 99+50E | 1.29 | 34.98 | 27.04 1 | 78.8 | 363 10 | .3 10.9 | 1674 | 1.78 | 69.7 | .5 5. | 8 1.: | 5 18.6 | 1.67 . | .18 | 41 | .3/ . | 100 10 | ./ 10 | 3 .2 | 0 92.0 | .059 | 2 2 6 | 0 016 | .04 | 2 4 | 0 1 | 7 - 01 | 1201 | .5 | 07 | 7.0 | | - 1 |
| | | | | | | | | | | | | | 3.53 | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 1.29 . | | | | | | | | | | | | | | | | | | | | - 1 |
| | | | | | | | | | | | | | .71 . | | | | | | | | | | | | | | | | | | | | - 1 |
| L100+50N 100+50E | 3.33 | 41.44 | 41.36 1 | 49.5 | 423 15 | .2 22.1 | 2223 | 2.25 | 59.7 | .4 5. | 1 . | 5 16.1 | 1.31 1. | .23 | 46 | .28 . | 076 9 | .1 13 | 2 .4 | 1 79.4 | .033 | 1 1.3 | 2 .018 | .05 | .1 1. | 9 .15 | 5 .02 | 1813 | .5 | .08 | 5.0 | | |
| | | | | | | | | | | | | | | | | | | | | | 0 | | | 20 10 | | 2 | | | | | | | |
| STANDARD DS4 | 6.96 1 | 26.68 | 31.13 1 | 58.0 | 278 35 | .6 11.8 | 796 | 3.09 | 22.5 | 5.9 26. | 1 3.8 | 8 27.0 | 5.29 4. | 73 4.96 | 74 | .55 . | 087 16 | .9 165 | 2 .5 | 8 140.6 | .083 | 2 1.7 | 4 .030 | . 15 | 3.4 3. | 5 1.0 | 9 .07 | 293 | 1.4 | .74 | 5.9 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data_CFA___



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ACHE ANALYTICAL

| SAMPLE# | Мо | Cu | Pb | Zn | Ag | Ni | Co | Mn Fe | As | U | Au | Th | Sr | Cd S | b B1 | ٧ | Ca | P | La | Cr | Mg | Ba T1 | В | A1 | Na | K | W | Sc | T1 | S H | g Se | Te | e Ge | 3 | | |
|---------------------|----------|---------------|--------|---------|-------|---------|--------|----------|-------|-----|------|-------|--------|---------|--------|-----|-------|--------|-------|-------|---------|---------|-----|------|------|-----|-------|-------|----------|--------|-------|------|--------|---|--|-----|
| | ppm | ppm | ppm | ppm | ppb | ррп | ppm p | ppm 1 | ppm | ppm | ppb | ppm | ppm p | ppm pp | om ppm | ppm | 2 | 8 1 | ррш | ppm | \$ p | pm % | ppm | - 1 | 3 | 2 | ppm p | opm p | ppm | \$ ppl | b ppm | ppr | n ppr | | | |
| | | | | | VIV-2 | | | | - | | | | | - | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 513 1.81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L100+50N 100+75N | 1.69 | 59.35 | 22.41 | 106.3 | 586 | 8.8 1 | 7.9 1 | 715 2.54 | 57.0 | .7 | 9.0 | 1.3 1 | 7.8 | .66 .8 | .18 | 71 | .33 . | 055 12 | 2.1 | 9.1 | .49 54 | .3 .064 | <1 | 1.79 | .021 | .05 | .2 3 | 3.6 . | .14 .0 | 2 147 | 3 .6 | .07 | 7 6.4 | 4 | | |
| L100+50N 101+00N | 1.48 | 50.26 | 15.58 | 94.3 | 575 | 8.7 2 | 0.7 1 | 872 2.40 | 37.5 | .5 | 2.3 | 1.2 2 | 22.2 | .70 .7 | 3 .20 | 65 | .33 . | 077 | 8.5 | 8.9 | .40 109 | .8 .051 | 2 | 1.60 | .018 | .07 | .3 2 | 2.9 | .16 <.0 | 1 107 | 7 .3 | .07 | 7 6.7 | 7 | | |
| L100+50N 101+25N | 1.01 | 32.30 | 10.25 | 136.6 | 501 | 6.1 1 | 4.9 1 | 521 1.85 | 22.7 | .3 | 1.4 | 1.1 | 9.7 | .49 .5 | 6 .17 | 48 | .11 . | 051 | 5.5 | 6.7 | .26 87 | .7 .054 | 1 | 1.27 | .021 | .04 | .2 1 | .9 | .14 <.0 | 1113 | 1 <.1 | .03 | 3 5.7 | 7 | | |
| | 1.05 | 37.16 | 14.96 | 133.9 | 174 | 10.4 1 | 0.8 | 923 2.64 | 22.7 | .5 | 1.9 | 2.7 1 | 18.9 | .69 .4 | 15 .27 | 66 | .28 . | 106 | 9.4 1 | 13.1 | .39 154 | .8 .058 | <1 | 2.05 | .012 | .09 | .3 2 | 8.5 | .15 <.0 | 1 63 | 9 .1 | .09 | 5 8.0 | 0 | | |
| | 0.5.7.00 | AROLO, ELT. 1 | | 100,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L100+50N 101+75N | .68 | 25.40 | 10.15 | 143.4 | 195 | 10.9 1 | 1.0 1 | 058 2.90 | 8.4 | .5 | 6.0 | 2.5 2 | 23.8 | .47 .4 | 16 .17 | 70 | .29 | 060 | 9.4 1 | 18.7 | .62 186 | .8 .051 | <1 | 2.15 | .010 | .11 | .5 3 | 3.6 | .20 <.0 | 1 56 | 2 .1 | .0 | 2 7. | 9 | | |
| L100+50N 102+00N | .98 | 15.89 | 11.89 | 76.4 | 111 | 4.3 | 4.7 | 496 1.59 | 4.9 | .9 | 1.2 | 6.6 3 | 35.9 | .23 .1 | 18 .13 | 37 | .35 . | 067 2 | 6.6 | 6.1 | .19 60 | .4 .065 | 1 | 1.06 | .009 | .05 | .4 1 | 1.8 | .09 <.0 | 11 57 | 6 .2 | <.0 | 2 4. | 6 | | |
| L100+00N 96+50E | | | | | | | | 444 2.54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 311 3.04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 939 2.02 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | . 0.00 | | 210.6 | 25.40 | | | | 200.4 | | | | | | | | | | | | | | | | | | | - | | | | | | | | |
| L100+00N 97+50E | 1.57 | 43.36 | 67.62 | 399.9 | 683 | 19.1 1 | 1.6 | 983 3.16 | 225.5 | .6 | 5.9 | 2.5 | 17.3 1 | .44 1.2 | 33 .24 | 74 | .26 | 087 | 8.2 1 | 16.5 | .44 82 | .5 .079 | 1 | 2.17 | .011 | .06 | .3 3 | 3.0 | .16 <.1 | 1 84 | 9 <.1 | .10 | 0 7. | 3 | | |
| L100+00N 97+75E | | | | | | | | 069 1.57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| L100+00N 98+00E | | | | | | | | 936 2.17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | - 4 |
| | | | | | 1000 | rent e | | 932 2.82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | - |
| L100+00N 98+50E | | | | | | | | 960 1.31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | - 1 |
| C100+000 30+30E | .74 | 37.00 | 0.00 | 113.0 | 103 | 5.9 | 9.1 1 | 900 1.31 | 32.2 | | | ., , | w.0 I | . 13 | .10 | 30 | .21 | .003 | 4.5 | 0.4 | .10 130 | .9 .032 | -1 | 1.01 | .023 | .04 | | | . 101 | /1 114 | 0 .1 | | 0 3. | , | | - |
| L100+00N 98+75E | 3 86 | RA OR | 11 22 | 04 3 | 547 | 6 6 1 | 0 7 2 | 474 2.02 | 11 6 | - 3 | 2.4 | 3.2 | 13 R I | 14 6 | is 20 | 55 | 50 | 063 | A 7 | 7.0 | 32 91 | 6 048 | <1 | 1 23 | 027 | 03 | 2 2 | 2 8 | 15 (| 11 124 | 6 1 0 | 1 1 | n a | 7 | | |
| | | | | | | | | 417 3.53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 877 3.58 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 065 2.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 878 2.07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| F100+00W 33+12F | 1.72 | 52.05 | 22.01 | 144.4 | 020 | 15.9 1 | 0./ 10 | 0/0 2.0/ | 00.5 | .0 | 3.4 | 1.5 | 9.2 1 | .45 1.0 | 1 .29 | 49 | .40 . | 040 10 | 0.0 1 | 13.0 | .37 76 | .0 .000 | | 1.01 | .020 | .03 | .2 2 | | . 13 (| 11 120 | 0 .5 | | , 5. | * | | |
| L100+00N 100+25E | 1 60 | 42 10 | 0 17 | 72.0 | E16 | 0.0.1 | 4 0 1 | 380 2.46 | 20 6 | 7 | 2.0 | 1 0 1 | 6.8 | 18 5 | 7 21 | 50 | 30 | 068 (| 0 6 1 | 11.0 | 34 75 | 0 076 | 1 | 1 87 | 015 | 05 | 2 2 | · A | 12 < 1 | 11 99 | 2 4 | 0 | 7 7 1 | 5 | | |
| | 100 | | | | 1200 | | | 229 2.49 | | | | | | | | | | | | | | | | | | 355 | | | | S 032 | | | | | | |
| | | | | | | | | 165 2.31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 521 2.48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RE L100+00N 101+00E | 1.46 | 43.78 | 14.58 | 117.7 | 485 | 11.2 13 | 2.2 15 | 540 2.52 | 55.9 | .9 | 5.7 | 4.2 2 | 2.3 | .72 .4 | 6 .25 | 60 | .30 . | 087 13 | 3.6 1 | 12.9 | .34 157 | .4 .090 | 1 | 2.27 | .013 | .07 | .3 2 | .9 . | .16 <.0 | 1 84 | 1 .1 | .0. | 3 7.5 | 5 | | |
| | | | | 10.1 | | | | | | | - | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 184 2.86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 374 2.76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | 502 3.59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L100+00N 102+00E | .60 | 14.04 | 15.97 | 208.6 | 124 | 7.8 5 | 5.1 2 | 227 2.02 | 3.8 | .8 | .6 | 8.5 3 | 6.3 | .36 .1 | 4 .20 | 38 | .26 . | 105 27 | 7.0 | 8.0 | .26 99 | .9 .058 | 1 | 1.79 | .008 | .07 | .3 1 | .8 . | .13 < .0 | 1 39 | 7 <.1 | .02 | 2 8.9 | 9 | | |
| L99+50N 96+50E | 1.73 | 55.16 | 31.14 | 326.9 | 343 | 17.9 19 | 9.7 30 | 3.60 | 177.2 | .9 | 5.1 | 1.7 2 | 0.7 1 | .94 1.5 | 9 .30 | 95 | .29 . | 103 8 | 3.3 2 | 24.9 | .88 122 | .6 .088 | 1 | 2.66 | .015 | .08 | .3 5 | .1 . | 26 <.0 | 1 174 | 3 .3 | .13 | 3 9.1 | 1 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L99+50N 97+25E | 1.45 4 | 77.70 | 447.10 | 1003.2 | 1934 | 15.6 18 | 3.2 23 | 326 2.63 | 311.9 | .4 | 20.0 | 1.3 1 | 9.3 4. | 43 2.2 | 9 .22 | 64 | .30 . | 043 7 | 7.2 1 | 13.8 | .52 156 | .1 .083 | 1 | 1.86 | .016 | .06 | .2 3 | .0 . | 23 <.0 | 1 123 | 5 .6 | . 18 | 8 6.9 | 9 | | |
| L99+50N 97+50E | 1.27 | 93.03 | 41.84 | 605.5 | 670 2 | 28.2 29 | 9.6 26 | 38 5.03 | 949.8 | .4 | 6.2 | 1.5 2 | 9.9 2. | 38 5.1 | 5 .28 | 142 | .36 . | 101 5 | 5.9 2 | 7.0 1 | .33 116 | .3 .125 | 1 | 2.88 | .015 | .08 | .4 5 | .9 . | 36 .0 | 2 138 | 6 .4 | .14 | 1 10.8 | 3 | | |
| L99+50N 97+75E | .86 | 26.05 | 25.52 | 165.6 | 258 | 8.6 8 | 3.4 8 | 31 2.88 | 127.5 | .6 | 1.6 | 2.4 2 | 3.5 | .74 .9 | 6 .21 | 67 | .33 . | 105 7 | 7.6 1 | 1.7 | .34 97 | .0 .072 | 1 | 1.75 | .010 | .05 | .4 2 | .3 . | 10 <.0 | 1 896 | 6 <.1 | .05 | 7.4 | 1 | | |
| L99+50N 98+00E | 1.67 | 58.76 | 17.86 | 140.6 | 798 1 | 1.0 11 | .8 6 | 39 3.21 | 134.1 | 1.4 | 3.0 | 3.7 2 | 7.6 | 66 1.2 | 6 .21 | 82 | .50 . | 052 16 | 5.6 1 | 4.1 | .51 104 | .6 .060 | 1 | 2.50 | .010 | .06 | .3 4 | .1 . | 14 <.0 | 1 400 | 0 .5 | .05 | 8.2 | ? | | |
| L99+50N 98+25E | 3.05 | 47.49 | 16.63 | 414.4 | 267 2 | 20.1 17 | .0 12 | 38 3.10 | 109.2 | .4 | 3.0 | 2.0 1 | 9.5 1. | 26 1.3 | 9 .25 | 75 | .20 . | 142 7 | 7.0 1 | 7.2 | .55 161 | .0 .061 | 1 | 2.21 | .011 | .05 | .2 2 | .8 . | 17 <.0 | 1 939 | 9 <.1 | .08 | 8.3 | 3 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STANDARD DS4 | 6.22 1 | 21.92 | 29.46 | 158.0 | 270 3 | 4.2 12 | 2.0 7 | 93 3.02 | 22.9 | 6.0 | 27.7 | 3.8 2 | 7.5 5. | 31 4.8 | 5 5.04 | 74 | .54 . | 087 16 | .8 16 | 6.9 | .57 141 | .5 .083 | 1 | 1.71 | .031 | .15 | 3.5 3 | .8 1. | 10 .0 | 4 290 | 1.1 | .78 | 6.0 |) | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data A FA



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ACHE ANALYTICAL

| | SAMPLE# | Мо | Cu | Pb | Zn | Ag | N1 Co | Mn | Fe As | U | Au | Th S | ir Cd | Sb | Bi | v c | Ca I | P La | Cr | Mg Ba | T1 | B AT | Na | K | w Sc | 11 | S Ha | Se | Te | Ga | | |
|---|--------------------|---------|----------|--------|-------|---------|----------|---------|----------|-------|-------|----------|--------|---------|--------|-------|---------|--------|--------|------------|------|---------|--------|--------|-------|---------|---------|------|--------|------|------|-----|
| | | ppm | ppm | ppm | ppm | ppb | ppm ppm | ppm | \$ ppr | ppm | | | | | | | | | | \$ ppr | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - | | |
| | G-1 | 1.06 | 3.01 | 2.39 | 40.6 | 10 | 3.7 3.7 | 498 1 | 73 .2 | 2.5 | .5 | 4.2 65. | 0 <.01 | .02 | .11 3 | 35 .5 | 55 .08 | 1 7.1 | 14.7 | .48 173.2 | .111 | <1 .79 | .058 | 37 1. | 1 1.9 | .24 . | 01 <5 | .1 . | <.02 | 4.3 | | |
| | L99+50N 98+50E | 1.58 | 79.66 | 16.34 | 253.8 | 1463 1 | 5.8 12.8 | 557 2 | 95 69.7 | 1.3 | 3.4 | 4.3 23. | 2 1.10 | .67 | .29 7 | 73 .2 | 27 .10 | 1 13.3 | 17.0 | .39 65.8 | .132 | <1 3.24 | .015 | .05 .: | 3 4.4 | .17 <. | 01 896 | .6 | .03 | 7.4 | | |
| | L99+50N 98+75E | 2.82 | 50.25 | 13.91 | 189.6 | 309 1 | 2.4 11.0 | 569 3 | 05 49.3 | .9 | 2.5 | 3.6 22. | 7 .83 | .42 | .27 8 | 84 .3 | 30 .054 | 4 10.9 | 17.0 | .43 86.5 | .119 | <1 2.84 | .012 | .05 .4 | 4 4.1 | .12 <. | 01 682 | .5 | .10 | 8.2 | | |
| | L99+50N 99+00E | 5.16 1 | 28.63 | 17.72 | 162.9 | 707 2 | 1.7 25.2 | 1538 4 | 00 77.0 | 1.4 | 7.3 | 3.6 34. | 5 .53 | .76 | .28 1 | 13 .4 | 16 .075 | 5 16.1 | 22.3 | .92 114.1 | .132 | 2 3.64 | .014 | .08 . | 5 9.2 | .24 <, | 01 905 | 1.1 | .14 1 | 10.1 | | |
| | L99+50N 99+25E | 5.39 1 | 98.07 | 23.79 | 203.9 | 906 2 | 4.4 44.1 | 3145 4 | 60 107.8 | .7 | 5.5 | 1.1 63. | 0 .94 | 1.46 | .29 12 | 23 .6 | 54 .16 | 4 10.2 | 21.8 | 1.13 106.8 | .079 | 2 3.86 | .015 | .08 | 7 9.4 | .32 <. | 01 1543 | 2.2 | .27 1 | 10.6 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | L99+50N 99+50E | 4.00 2 | 14.51 | 52.61 | 285.4 | 3776 3 | 8.3 41.4 | 3241 4 | 38 295.8 | .8 | 15.1 | 1.9 36. | 4 2.01 | 3.72 | .90 | 58 .4 | 46 .08 | 6 22.1 | 15.9 | .79 124.3 | .061 | 1 3.02 | .013 | .07 | 4 3.8 | .32 <. | 01 2009 | 1.9 | .40 | 7.8 | | |
| | L99+50N 99+75E | 2.94 | 88.65 | 39.49 | 242.4 | 1041 2 | 5.9 21.3 | 4144 2 | 69 180.0 | .3 | 5.4 | 1.0 38. | 5 3.26 | 2.85 | .32 | 37 .4 | 15 .073 | 3 11.5 | 10.4 | .45 185.9 | .046 | <1 1.51 | .020 | .06 .: | 3 1.8 | .22 <. | 01 1528 | .7 | . 15 | 4.8 | | |
| | L99+50N 100+00E | 1.54 | 45.98 | 19.37 | 78.1 | 732 | 9.1 19.3 | 2555 2 | 19 52.7 | .6 | 6.4 | .6 24. | 2 .57 | .67 | .26 | 53 .3 | 36 .09 | 7 10.1 | 11.3 | .30 138.9 | .050 | 1 1.69 | .013 | .06 . | 2 1.6 | .14 | 01 1400 | .4 | .05 | 6.7 | | |
| | | | | | | | | | | | | | | | | | | | | .30 121.5 | | | | | | | | | | | | |
| | L99+50N 100+50E | 1.68 | 43.33 | 12.42 | 68.8 | 275 | 9.0 12.1 | 1462 2. | 09 33.2 | .8 | 3.7 | 2.2 16. | 4 .40 | .55 | .24 5 | 53 .3 | 30 .067 | 7 12.4 | 11.0 | .29 98.4 | .077 | <1 1.93 | .015 | .05 .: | 2 2.6 | .18 <. | 01 1061 | .5 | .02 | 6.5 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| | L99+50N 100+75E | 2.24 | 35.82 | 11.94 | 69.3 | 533 | 9.0 15.4 | 1446 2. | 16 25.3 | .6 | 2.3 | 1.9 12. | 2 .10 | .51 | .23 5 | 50 .1 | 7 .07 | 1 10.0 | 11.0 | .26 79.6 | .078 | <1 1.68 | .017 | .04 .: | 3 1.9 | .13 <. | 01 1245 | .3 | .04 | 7.1 | | |
| | L99+50N 101+00E | 1.74 | 39.12 | 17.13 | 71.6 | 791 | 7.9 12.1 | 1483 1. | 90 23.2 | .6 | 1.8 | 1.6 16. | 3 .32 | .49 | .24 4 | 47 .1 | 7 .08 | 1 9.9 | 10.2 | .22 119.1 | .066 | <1 1.61 | .015 | .05 .: | 2 1.7 | .14 <. | 01 1190 | .4 | .03 | 6.6 | | |
| | L99+00N 96+50E | 1.61 | 34.19 | 24.20 | 178.5 | 467 20 | 0.2 11.0 | 3436 2 | 66 185.7 | 1.0 | 10.0 | .6 27. | 1 2.46 | 1.88 | .20 5 | 54 .8 | 33 .094 | 4 12.1 | 24.9 | .84 123.6 | .034 | 1 1.84 | .018 | .09 .: | 2 4.4 | .21 . | 03 1729 | .5 | .08 | 5.8 | | |
| | L99+00N 96+75E | 1.90 | 48.49 | 26.47 | 258.9 | 1069 17 | 7.5 17.4 | 1429 3. | 96 194.9 | .7 | 12.3 | 2.3 26. | 7 .96 | 1.65 | .26 8 | 86 .3 | 36 .055 | 5 9.9 | 16.1 | .72 70.4 | .049 | <1 2.60 | .010 | .09 .: | 3 4.7 | .23 <. | 01 818 | .6 | .05 | 9.0 | | |
| | | | | | | | | | | | | | | | | | | | | .43 159.3 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | L99+00N 97+25E | 1.51 | 80.97 | 35.68 | 380.7 | 547 27 | 7.6 24.0 | 2024 3. | 58 179.4 | .6 | 4.5 | 2.4 38. | 4 2.51 | 1.33 | .28 9 | 95 .4 | 11 .060 | 0 8.7 | 21.6 | .77 158.1 | .147 | 1 3.42 | .020 | .10 .: | 3 5.8 | .34 <. | 01 1252 | .5 | .06 1 | 11.1 | | |
| | L99+00N 97+50E | .96 | 37.39 | 12.53 | 93.2 | 511 | 9.9 11.0 | 914 2. | 12 85.6 | .5 | 2.2 | 1.8 24. | 7 .47 | .80 | .16 5 | 55 .3 | .061 | 1 7.5 | 10.9 | .31 68.8 | .086 | 1 1.72 | .019 | .05 .3 | 3 2.9 | .13 <. | 01 775 | .3 | .02 | 5.9 | | _ |
| | L99+00N 97+75E | 2.82 | 92.19 | 21.65 | 120.3 | 4762 17 | .4 28.1 | 1736 3. | 79 234.3 | .6 | 9.7 | 1.6 51. | 8 .48 | 2.84 | .26 8 | 80 .4 | 1 .136 | 6 6.9 | 15.0 | .65 71.4 | .104 | <1 3.01 | .010 . | .08 .5 | 5 4.0 | .23 <. | 01 1667 | .8 | .08 1 | 10.1 | | |
| | L99+00N 98+00E | 2.49 | 47.04 | 14.66 | 161.4 | 442 22 | 2.6 16.3 | 1425 2. | 75 167.6 | .4 | 1.3 | 1.7 21. | 4 .66 | 1.66 | .22 5 | 54 .2 | 4 .089 | 9 6.8 | 16.5 | .51 187.8 | .061 | 1 2.40 | .013 . | .08 .2 | 2 2.7 | .21 <. | 01 1110 | .3 | .05 | 7.7 | | |
| | L99+00N 98+25E | 1.29 | 30.36 | 12.74 | 124.8 | 454 19 | .5 15.5 | 1600 2. | 25 89.6 | .4 | .6 | 1.5 21. | 3 .50 | 1.02 | .22 4 | 15 .2 | .086 | 6 7.5 | 12.8 | .33 169.3 | .067 | 1 1.43 | .015 . | .06 .2 | 2 2.0 | .13 <. | 01 970 | .3 | .03 | 5.6 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - 1 |
| | L99+00N 98+50E | 2.26 | 67.11 | 27.66 | 233.5 | 720 21 | .8 29.5 | 4289 3. | 16 127.2 | .7 | 1.3 | 2.4 28. | 6 2.04 | 1.69 | .32 6 | 52 .2 | 9 .102 | 2 13.2 | 17.3 | .52 317.5 | .083 | 1 2.25 | .012 . | .08 .2 | 2 3.4 | .30 <. | 01 2032 | .5 | .04 | 8.6 | | |
| | L99+00N 98+75E | 1.24 | 42.07 | 14.31 | 157.2 | 620 13 | 3.3 23.3 | 2412 2. | 37 32.3 | .5 | 1.7 | 1.7 21. | 8 .91 | .62 | .23 5 | 57 .2 | 7 .137 | 7 8.2 | 12.7 | .37 126.5 | .093 | 1 1.83 | .013 . | 06 .2 | 2.6 | .15 <. | 01 1052 | .3 | .05 | 7.6 | | - 1 |
| | L99+00N 99+00E | 2.01 | 61.35 | 14.30 | 164.2 | 443 14 | .2 23.7 | 2238 2. | 73 105.1 | .7 | 2.1 | 2.4 29. | 9 .83 | .68 | .29 6 | 66 .3 | 3 .174 | 9.9 | 15.2 | .37 190.3 | .096 | 1 2.35 | .013 . | 06 .3 | 3.2 | .16 <. | 01 980 | .5 | .09 | 8.1 | | |
| | L99+00N 99+25E | 2.89 | 92.18 | 17.66 | 176.0 | 494 17 | .5 29.1 | 2349 3. | 26 135.7 | .7 | 9.4 | 2.1 25. | 8 .46 | 1.11 | .32 6 | 58 .3 | 1 .098 | 3 10.2 | 15.5 | .49 151.6 | .097 | 1 2.45 | .013 . | 07 .5 | 3.5 | .20 <.1 | 01 1457 | .8 | .12 | 8.6 | | |
| | L99+00N 99+50E | 1.58 | 73.11 | 21.15 | 138.3 | 517 13 | .8 31.7 | 3143 2. | 48 118.0 | .6 | 3.8 | .9 23. | 9 1.02 | 1.25 | .56 5 | 3 .3 | 7 .099 | 10.7 | 12.2 | .39 144.6 | .053 | 1 1.71 | .014 . | 05 .2 | 2.9 | .18 . | 01 1710 | .5 | .05 | 6.4 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | L99+00N 99+75E | 2.09 | 45.64 | 15.83 | 69.0 | 606 9 | .6 12.9 | 1623 2. | 21 55.5 | .7 | 3.2 | 1.7 24. | 0 .58 | .65 | .21 5 | 6 .4 | 3 .052 | 9.4 | 11.3 | .29 119.4 | .067 | 1 1.56 | .012 . | 05 .2 | 2.6 | .12 <.0 | 11 1004 | .4 | .07 | 5.8 | | |
| | L99+00N 100+00E | 3.10 | 64.77 | 13.80 | 102.6 | 901 9 | .7 24.8 | 2806 2. | 18 74.9 | .6 | 1.8 | 1.2 29. | 1 .68 | 1.11 | .22 5 | .5 | 1 .064 | 9.6 | 9.7 | .32 182.2 | .053 | 1 1.56 | .016 . | 06 .2 | 2.9 | .22 .0 | 11 1251 | .6 | .05 | 5.6 | | |
| | RE L99+00N 100+00E | 3.05 | 63.55 | 13.40 | 99.4 | 880 9 | .4 24.0 | 2818 2. | 12 72.8 | .6 | 2.6 | 1.1 28. | 8 .70 | 1.06 | .21 4 | 18 .5 | 1 .063 | 9.4 | 9.6 | .32 184.1 | .052 | 1 1.56 | .015 . | 05 .2 | 2.7 | .22 .0 | 11 1183 | .5 | .03 | 5.5 | | 1 |
| | L99+00N 100+25E | 2.42 | 67.20 | 14.19 | 82.0 | 987 11 | .9 19.9 | 1601 2. | 54 37.9 | 1.0 | 3.5 | 2.8 18. | 8 .39 | .70 | .26 6 | 2 .2 | 6 .141 | 14.8 | 14.7 | .36 117.5 | .075 | 1 2.29 | .010 . | 05 .3 | 3.4 | .20 <.0 | 11 1229 | .5 | .04 | 7.6 | | |
| | L99+00N 100+50E | 1.33 | 35.41 | 13.57 | 78.2 | 428 8 | .1 15.8 | 2208 1. | 32 13.7 | .5 | 1.3 | .6 16. | 4 .48 | .55 | .21 4 | 7 .2 | 3 .096 | 7.0 | 9.2 | .27 139.5 | .046 | <1 1.50 | .013 . | 04 .2 | 1.7 | .14 <.0 | 11 1179 | .4 | .02 | 6.3 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - 1 |
| 1 | L99+00N 100+75E | 1.45 | 25.68 | 7.38 | 45.9 | 537 7 | .6 8.9 | 854 1. | 32.1 | .4 | 4.9 | 1.8 13.0 | 8 .14 | .34 | . 15 3 | 6 .10 | 8 .050 | 7.3 | 8.2 | .18 73.6 | .066 | <1 1.16 | .015 . | 03 .2 | 1.5 | .12 <.0 | 11 568 | .2 | .03 | 4.8 | | |
| | L98+50N 96+50E | 2.77 | 59.20 | 21.11 | 377.4 | 769 31 | .6 19.8 | 2475 3. | 210.4 | .7 | 5.3 | 1.3 29. | 2 1.41 | 2.32 | .22 9 | 4 .5 | 1 .060 | 12.3 | 27.8 1 | .03 75.7 | .038 | 1 2.68 | .011 . | 08 .3 | 6.5 | .27 .0 | 11 1319 | .8 | .11 9 | 9.1 | | - 1 |
| | L98+50N 96+75E | 1.61 | 54.38 | 15.70 | 528.4 | 340 10 | .7 16.0 | 2003 1. | 76.8 | .8 | 2.4 | .9 17.9 | 9 4.76 | .60 | .19 4 | 7 .37 | 7 .062 | 6.4 | 8.9 | .25 54.7 | .072 | 1 1.62 | .018 . | 05 .1 | 2.7 | .18 .0 | 12 1299 | .5 | .03 (| 6.2 | | |
| | L98+50N 97+00E | 5.82 2 | 11.10 13 | 391.13 | 962.4 | 5518 27 | .0 29.0 | 3082 4. | 27 328.9 | 1.5 1 | 269.9 | 2.8 32.2 | 2 3.64 | 3.73 | 30 9 | 4 .44 | 4 .095 | 13.3 | 21.9 | .65 77.9 | .099 | 1 3.12 | .009 . | 06 .3 | 5.6 | .31 <.0 | 11 1749 | 1.5 | .19 10 | 0.4 | | 1 |
| | L98+50N 97+25E | .64 | 38.79 | 37.85 | 123.5 | 661 6 | .1 15.2 | 2794 1. | 7 25.7 | .2 | 3.8 | .2 32.3 | 3 1.67 | .67 | .18 3 | 2 .34 | 4 .103 | 3.6 | 6.8 | .20 134.1 | .037 | <1 .86 | .015 . | 05 .1 | 1.4 | .12 .0 | 2 1746 | .3 | .04 | 3.9 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| | STANDARD DS4 | 6.56 12 | 26.63 | 30.69 | 159.9 | 297 34 | .5 12.0 | 802 3.2 | 21 23.2 | 6.1 | 26.0 | 3.6 28.5 | 5 5.38 | 4.84 5. | 10 7 | 6 .54 | 4 .089 | 16.6 1 | 64.9 | .60 147.5 | .085 | 1 1.79 | .030 . | 16 3.7 | 3.7 | 1.10 .0 | 5 286 | 1.3 | .75 | 6.0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data (FA_



Page 8



| SAMPLE# | Мо | 6 | Ph. | 7- | - | | c- #- | | 4- | | | 7L 0 | - 64 | - | - | | | | | | | | | | - | | | | | | | |
|---------------------|--------|-------|-------|----------|--------|---------|----------|------|-------|--------|------|----------|----------|--------|-------|-------|-----------|--------|-------|--------|----------|-------|--------|------|-------|-----------|--------|---------|-------|--------|--------|-----|
| SAMPLE | | 3.5 | | | | | Co Mn | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ppm | ppm | ppm | ppm | bbp | ppm | obu bbu | 2 | bbu | ppm | ppb | ppm pp | u bbu | ppm | bbu l | ppm | 1 | z bbu | ppm | 1 | bbu | # pp | m = % | 1 | 1 | ppm ppn | s ppm | X | bbp t | opm p | pm pp | A. |
| 100.000 00.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L98+50N 97+50E | | | | | | | 1.2 2964 | | | | | | | | | | | | | | | | | | | | | | | | | |
| L98+50N 97+75E | | | | | | | 5.5 2275 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 8.7 3151 | | | | | | | | | | | | | | | | | | | | | | | | | |
| L98+50N 98+25E | | | | | | | 2.3 2595 | | | | | | | | | | | | | | | | | | | | | | | | | |
| L98+50N 98+50E | 1.18 | 39.89 | 9.39 | 64.2 | 258 | 10.1 1 | 5.6 1614 | 2.10 | 57.6 | .6 | 1.3 | 1.5 18. | 3 .42 | .81 | .18 | 50 | .28 .09 | 9.3 | 10.5 | .29 1 | 102.0 . | 071 | 2 1.57 | .014 | .05 | .2 2.0 | .12 | .01 | 974 | .3 <. | 02 5. | .8 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L98+50N 98+75E | 1.57 | 35.66 | 9.81 | 57.7 | 281 | 7.8 1 | 2.1 1118 | 2.01 | 35.2 | .7 | 1.5 | 1.1 13. | 7 .20 | .51 | .23 | 50 | .18 .13 | 4 7.9 | 10.5 | .25 | 75.9 . | 073 | 1 1.53 | .012 | .04 | .3 1.6 | .09 | .02 1 | 104 | .3 . | 04 6. | 9 |
| L98+50N 99+00E | 1.04 | 22.41 | 7.90 | 54.9 | 204 | 7.8 1 | 1.9 960 | 1.79 | 14.9 | .4 | .3 | 1.0 11. | 5 .20 | .40 | . 19 | 47 | .18 .07 | 3 6.0 | 11.8 | .23 | 59.5 . | 080 | 1 1.22 | .015 | .04 | .3 1.5 | .08 | .01 1 | 010 | .2 . | 03 6. | 2 |
| L98+50N 99+25E | 2.06 | 46.32 | 10.80 | 86.5 | 292 | 9.11 | 5.5 1942 | 2.09 | 52.5 | .4 | 2.1 | 1.0 20. | 2 .34 | .61 | .21 | 45 | .19 .10 | 1 5.9 | 9.4 | .23 1 | 32.9 . | 071 | 1 1.25 | .015 | .04 | .3 1.3 | . 14 | .02 1 | 075 | .5 | 09 6. | 0 |
| L98+50N 99+50E | | | | | | | 2.6 1150 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 6.1 1047 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | 100 100 | , 10.1 | | . 40 | JE.E | | | .016 | .00 | | . 15 | 41 | 003 | ., . | 00 7. | • |
| L98+50N 100+00E | .64 | 24.57 | 12.26 | 62.2 | 440 | 4.6.1 | 2.1 2224 | 1 32 | 38.5 | 2 | 4 | 3 27 | 0 52 | 87 | 18 | 20 | 34 08 | 1 5 2 | 6.0 | 18 1 | 78 0 1 | 121 | 1 83 | 017 | 05 | -1 0 | 00 | B2 1 | 000 | 1 | na a | |
| L98+50N 100+25E | | | | | | | 1.5 2029 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 9.3 1261 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 3 1306 | | | | | | | | | | | | | | | | | | | | | | | | | |
| C30*00H 30*30C | 1.32 | 39.33 | 10.10 | 140.0 | 533 | 15.7 1 | 7.7 2666 | 2.12 | 118.0 | .5 | 2.3 | 1.1 2/. | 6 1.09 1 | 1.16 | .23 | /1 . | .31 .05 | 8 8.4 | 14.8 | ,44 | 83.7 .0 | 170 | 1 1.98 | .014 | .06 | .2 4.3 | . 19 | .02 1 | 118 | .6 . | 05 7.3 | 3 |
| 100.000.00.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | .9 3053 | | | | | | | | | | | | | | | | | | | | | | | | 06 6.4 | |
| | | | | | | | 3.4 2237 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | .5 2693 | | | | | | | | | | | | | | | | | | | | | | | | | 7. |
| L98+00N 97+50E | 1.13 | 22.16 | 18.27 | 202.9 | 475 | 12.5 | .5 3487 | 1.25 | 30.7 | .2 | .6 | .5 23.3 | 3 4.88 | .45 | .18 | 29 . | .21 .10 | 4 4.2 | 7.0 | .14 2 | 11.4 .0 | 157 | 1 1.02 | .020 | .06 | .2 .9 | .14 | <.01 13 | 343 | .2 <.1 | 02 4.2 | 2 |
| L98+00N 97+75E | .91 | 30.83 | 12.01 | 98.1 | 207 | 11.3 10 | .5 1195 | 1.87 | 80.7 | .4 | 2.2 | 1.3 27.8 | .95 | .98 | .14 | 47 . | .31 .05 | 3 6.6 | 9.6 | .33 1 | 17.9 .0 | 156 | 1.44 | .015 | .07 | .2 2.2 | .13 | <.01 | 181 | .3 <.1 | 02 5.0 | 0 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L98+00N 98+00E | .86 | 43.47 | 22.41 | 70.4 | 505 | 6.5 36 | .3 3107 | 2.14 | 49.1 | .3 | .5 | .2 41.2 | 2 .82 1 | .11 | .30 | 67 . | 52 .11 | 0 5.3 | 8.9 | .38 1 | 96.5 .0 | 40 2 | 2 1.14 | .015 | .06 | .1 2.5 | .13 | .03 13 | 306 | .3 .1 | 04 5.4 | 4 |
| L98+00N 98+25E | 1.03 | 41.41 | 8.76 | 63.5 | 360 | 9.6 18 | .6 1804 | 2.04 | 69.4 | .5 | 1.4 | 1.2 30.3 | 3 .29 | .71 | .20 | 56 . | 39 .13 | 1 7.3 | 9.8 | .28 1 | 96.2 .0 | 74 | 1.60 | .015 | .06 | .2 2.3 | .12 | <.01 | 929 | .3 .0 | 03 6.6 | 6 |
| L98+00N 98+50E | .63 | 23.35 | 10.25 | 61.0 | 218 | 4.3 14 | .2 2049 | 1.25 | 21.4 | .2 | .5 | .3 10.0 | .55 | .52 | .18 | 29 . | 11 .09 | 7 4.7 | 5.8 | .15 1 | 23.7 .0 | 35 <1 | .77 | .014 | .03 | .2 .7 | .08 | <.01 14 | 149 | .2 .0 | 3 3.6 | 6 |
| L98+00N 98+75E | | | | | | | .0 1360 | | | | | | | | | | | | | | | | | | | | | | | | | |
| L98+00N 99+00E | | | | | | | .5 2369 | | | | | | | | | | | | | | | | | | | | | | | | | 7.0 |
| | | | | | | | | | | | | | | | | 366 | C.C. 1770 | | | | | 3077 | | | | 117.1.511 | 0.55 | | | | - | · . |
| RE L98+00N 99+00E | .86 | 47 93 | 31.76 | 118 1 | 208 | 9 7 22 | .8 2408 | 2 04 | 44 R | 3 | 7 | 1 1 26 7 | 7 1 10 | 63 | 29 | 52 | 30 15 | R 65 | 11.4 | 30 2 | 30 / 0 | 74 1 | 1 31 | 015 | 06 | 2 3 0 | 14 | < 01 0 | 173 | 3 (| 17 5 0 | 0 |
| | | | | | | | .9 1047 | | | | | | | | | | | | | | | | | | | | | | | | | 207 |
| | | | | | | | .9 2901 | | | | | | | | | | | | | | | | | | | | | | | | | |
| NAME AND ADDRESS OF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | .1 1917 | | | | | | | | | | | | | | | | | | | | | | | | | |
| L98+00N 100+00E | 3.85 | 37.98 | 26.50 | 117.8 | 5491 1 | 3.5 19 | .5 1891 | 3.55 | 160.5 | .9 15 | .5 | 2.6 10.8 | .27 1 | .72 | .26 | 52 . | 11 .21 | 4 12.2 | 12.8 | .37 10 | 07.6.0 | 80 1 | 2.68 | .009 | .05 | .2 2.8 | .27 | <.01 11 | 13 | .6 .0 | 12 9.1 | 4 |
| | | 22122 | | 20227574 | | | | | | | | | . 2 . 2 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | .1 2272 | | | | | | | | | | | | | | 2202 102 | 2.5 | | | | na nace | 10.000 | | | 100 | | |
| L98+00N 100+50E | 2.21 | 40.44 | 24.34 | 101.3 | 530 1 | 2.1 6 | .3 387 | 2.26 | 11.5 | 2.5 2 | .4 | 7.4 44.1 | .12 | .22 | .42 | 36 .: | 33 .077 | 7 25.1 | 11.5 | .31 13 | 36.4 .0 | 62 <1 | 3.40 | .014 | .08 | .2 3.6 | .23 | <.01 3 | 15 | .5 .0 | 2 12.7 | , |
| L98+00N 100+75E | 1.34 | 39.30 | 12.97 | 54.0 | 587 | 7.0 6 | .3 115 | 2.14 | 10.6 | .7 | .9 3 | 3.2 18.7 | .13 | .29 | .24 | 37 . | 15 .084 | 12.3 | 8.4 | .18 5 | 59.5 .0 | 75 1 | 2.48 | .010 | .05 | .3 2.3 | .09 | <.01 3 | 19 | .4 .0 | 4 8.9 | , |
| STANDARD DS4 | 6.96 1 | 27.08 | 33.25 | 162.3 | 298 3 | 7.5 12 | .6 846 | 3.33 | 25.5 | 6.3 28 | .2 3 | 3.9 29.7 | 5.49 4 | .81 5. | 54 | 77 .! | 56 .094 | 18.7 | 169.1 | .62 14 | 19.0 .0 | 82 2 | 1.75 | .029 | .17 3 | 1.6 3.6 | 1.19 | .05 2 | 90 1 | .4 .7 | 6 6.4 | 4 |
| | | | | | | | | | | | | | | | | | - | | | | | | | | | | | | | | | |
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Sample type: SOIL SS80 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



ASSAY CERTIFICATE

Northern Natural Resources Services PROJECT FRANKLIN File # A301820R 901 - 1030 Burnaby St., Vancouver BC V6E 1N8 Submitted by: John Boutwell

44

SAMPLE# Au**
gm/mt
L102+00N 98+00E .01

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM TOTAL SAMPLE, ANALYSIS BY ICP-ES.

- SAMPLE TYPE: SOIL PULP

DATE RECEIVED: JUN 25 2003 DATE REPORT MAILED:



GEOCHEMICAL ANALYSIS CERTIFICATE

Northern Natural Resources Services PROJECT FRANKLIN File # A302217
901 - 1030 Burnaby St., Vancouver BC V6E 1N8 Submitted by: John Boutwell

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SAMPLE# Cu Fe As U Au Th Sr Cd Sb Bi V Ca P La Ba Ti В Cr Mg A1 W Sc T1 S Hg Se Te ppm ppm ppm ppm ppb ppm ppm ppm DDM DDM DDM % ppm 2 ppm % ppm % ppm ppm % ppb ppm ppm ppm G-1 41.5 12 4.4 4.1 514 1.71 .4 2.1 .3 4.1 74.2 .01 .02 .10 37 .55 .084 7.0 35.4 .53 202.3 .129 1 .88 .064 .46 MR 5+50N .72 12.14 7.38 48.7 191 4.6 3.4 491 1.73 3.9 .3 .7 1.9 9.2 .16 .12 .26 38 .06 .134 4.6 7.4 .11 77.9 .083 1 1.41 .010 .03 .2 .9 .04 .04 MR 5+25N 1.36 19.21 14.13 102.2 330 10.0 6.3 623 1.86 6.7 .4 .6 1.9 23.9 .41 .38 .34 39 .18 .088 6.2 9.8 .21 119.4 .070 <1 1.82 .012 .07 .2 1.3 .07 .03 28 .1 .03 6.0 MR 5+00N 1.20 23.33 5.55 49.5 129 6.0 5.0 248 1.82 2.8 .4 .3 2.2 10.9 .09 .14 .25 43 .08 .076 6.8 9.3 .17 65.6 .032 1 .90 .009 .04 .2 1.1 .03 .02 MR 4+75N 1.13 59.84 4.91 22.4 128 2.7 4.0 212 1.29 1.9 .8 2.2 1.9 19.2 .08 .13 .16 27 .08 .016 9.6 6.2 .08 26.2 .018 <1 .52 .011 .04 .1 .6 .03 .04 30 .2<.02 2.1 MR 4+50N 47.4 124 5.8 4.3 458 1.63 2.5 .4 .4 2.8 20.7 .15 .11 .25 39 .14 .088 9.9 9.0 .16 104.2 .028 1 .96 .008 .05 .2 1.0 9.53 8.48 88.2 107 6.4 5.2 331 1.88 2.5 .4 .7 2.8 25.2 .18 .17 .28 41 .20 .104 6.7 MR 4+25N 9.6 .14 95.5 .082 1 1.86 .011 .06 .2 1.4 .07 .01 29 .1<.02 5.7 MR 4+00N 9.90 8.04 49.4 198 6.5 5.1 300 1.84 3.1 .4 <.2 2.6 23.7 .16 .16 .27 41 .14 .107 6.5 8.7 .14 84.8 .089 1 2.07 .013 .04 .2 1.2 .05 .02 21 .1 .02 5.8 MR 3+75N 1.30 29.57 17.64 186.5 320 13.8 6.9 441 2.47 9.6 1.7 1.0 5.4 59.9 .75 .34 .53 50 .35 .136 16.0 16.7 .29 260.4 .072 1 3.07 .015 .11 .1 2.6 .13 .02 32 .1 .03 8.3 MR 3+50N .71 11.07 14.64 172.2 260 7.0 4.7 473 1.90 6.9 .5 .5 2.7 19.3 .56 .19 .31 30 .12 .264 7.4 7.9 .09 170.0 .146 1 3.14 .018 .05 .1 1.8 .07 .01 35 .1<.02 9.3 MR 3+25N 1.11 10.82 11.32 125.7 311 7.1 4.7 272 1.88 6.7 .5 <.2 2.5 17.6 .32 .23 .29 27 .10 .283 4.3 7.3 .09 111.6 .158 1 3.68 .017 .04 .2 1.4 .06<.01 38 .2 .03 10.0 MR 3+00N 2.00 16.21 10.36 86.6 174 8.0 5.1 621 1.86 3.3 .7 2.1 3.4 15.9 .23 .23 .27 35 .10 .142 9.4 8.8 .14 123.4 .124 <1 3.16 .015 .05 .2 2.1 .10<.01 22 .2<.02 8.0 MR 2+75N 1.72 41.23 13.90 135.5 362 15.0 7.2 457 2.53 4.6 1.3 .4 4.3 39.4 .17 .23 .49 46 .23 .114 10.8 20.4 .34 317.7 .059 <1 3.51 .014 .10 .2 2.8 .12<.01 36 .2 .02 10.3 1.05 10.39 9.22 63.6 83 7.5 4.6 762 1.77 2.8 .5 .2 2.8 13.1 .16 .22 .28 34 .11 .137 5.1 8.4 .14 162.5 .122 <1 2.61 .017 .04 .2 1.4 .10<.01 29 .1 .03 7.4 MR 2+50N MR 2+25N .77 16.09 7.86 60.4 123 7.7 5.3 327 2.01 2.0 .7 .6 3.8 10.0 .13 .16 .30 44 .08 .104 8.9 10.2 .19 108.5 .086 <1 2.12 .011 .04 .2 1.9 .08 .01 25 < .1 < .02 5.9 MR 2+00N .93 17.66 10.47 62.2 138 7.9 5.1 353 2.08 2.5 .8 .4 3.6 9.3 .18 .16 .32 39 .08 .129 7.4 12.2 .18 132.0 .101 <1 2.82 .012 .05 .2 1.7 .07<.01 32 .2 .02 7.4 RE MR 2+00N .90 16.79 10.45 60.9 135 7.2 5.1 344 2.06 2.4 .8 .5 3.9 8.7 .17 .16 .31 40 .09 .127 7.6 10.5 .18 132.2 .096 <1 2.77 .011 .05 .2 1.8 .07<.01 35 .2<.02 7.3 MR 1+75N .93 17.37 7.23 58.8 263 7.8 5.6 221 1.93 1.5 .6 .7 3.6 10.6 .11 .09 .36 45 .09 .098 12.0 12.6 .20 104.7 .034 <1 1.46 .009 .04 .3 1.4 .05<.01 20 .1<.02 5.3 MR 1+50N .85 82.12 11.41 106.4 193 14.5 8.4 621 2.57 3.4 1.0 1.4 4.6 20.5 .19 .27 .45 49 .19 .189 10.3 14.0 .32 202.5 .090 <1 3.08 .013 .08 .3 3.1 .11 .01 30 .1 .04 10.0 MR 1+25N 1.10 31.63 9.18 56.0 246 20.2 7.8 458 2.05 2.8 .7 1.1 3.9 21.5 .16 .23 .29 40 .18 .105 7.0 11.7 .17 172.8 .142 1 3.44 .019 .04 .2 2.1 .10<.01 43 .1 .02 8.9 MR 1+00N 1.18 17.61 7.49 71.3 140 6.9 5.9 1048 1.95 1.9 .4 1.7 2.4 13.7 .15 .15 .29 46 .14 .087 7.8 10.5 .14 115.4 .061 <1 1.31 .012 .05 .2 1.3 .06<.01 26 MR 0+75N 1.49 91.76 9.71 57.7 264 11.3 9.9 890 2.20 3.6 .6 8.1 2.6 13.1 .17 .28 .31 45 .16 .132 6.5 12.4 .16 128.3 .104 <1 2.36 .014 .04 .3 1.9 .08 .01 40 .92 28.60 9.16 55.4 146 9.1 6.0 993 2.07 2.8 .8 4.3 3.7 15.2 .13 .17 .30 43 .13 .133 8.9 10.6 .18 123.5 .106 1 2.81 .012 .05 .2 2.1 .10<.01 39 .3<.02 7.2 MR 0+50N MR 0+25N 1.09 61.69 9.47 60.4 153 11.6 10.4 760 2.57 2.9 1.1 1.5 4.0 19.2 .18 .27 .40 53 .18 .105 11.8 14.0 .23 113.3 .097 <1 2.59 .010 .05 .2 2.8 .12<.01 27 .3 .04 7.5 MR 0+00 .88 34.87 8.07 63.8 160 11.6 8.6 925 2.36 2.5 .7 1.5 3.2 13.9 .20 .17 .31 52 .15 .104 9.2 13.6 .23 145.1 .095 <1 2.16 .011 .05 .2 2.2 .09<.01 28 .2<.02 6.7 STANDARD DS4 6.68 123.14 31.05 157.9 285 33.2 11.8 789 3.15 22.9 6.1 26.0 3.7 26.3 5.38 4.65 5.06 74 .52 .086 16.6 171.2 .59 139.5 .086 2 1.79 .030 .16 3.6 3.5 1.09 .07 293 1.2 .73 5.9

GROUP 1F1 - 1.00 GM SAMPLE LEACHED WITH 6 ML 2-2-2 HCL-HN03-H20 AT 95 DEG. C FOR ONE HOUR, DILUTED TO 20 ML, ANALYSED BY ICP/ES & MS.

UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.

- SAMPLE TYPE: SOIL SS80 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 25 2003 DATE REPORT MAILED: 4/03

03 si

SIGNED BY TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Northern Natural Resources Services PROJECT FRANKLIN File # A302311
901 - 1030 Burnaby St., Vancouver BC V6E 1NB Submitted by: John Boutwell

| SAMPLE# | Мо | Cu | РЬ | Zn | Ag | N1 | Со | Mn | Fe | | | - 1 4 | | Sr | | - | 100 | · · · · · · · | - | | | 100000000000000000000000000000000000000 | - 3 | Ba | - | В | A1 | Na | K | W Sc | T1 | S | | | e Ga |
|--|----------------------|--------------------------|-------------------------|------------------------|-------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------|-------------------|------------------|----------------------|------------|-------------------|-----|----------------|------------|----------------------|-------------------|---|-------------------|-----------------------|----------------------|---------------|----------------------|------|-----|--|----------------|----------------|---------------------|----------------------|-------------------------|
| | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | * | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | * | * | ppm | ppm | * | ppm | * | ppm | * | * | % | ppm ppm | ppm | % p | bp bt | m pp | m ppm |
| G-1 L102N 98+25ER L102N 98+00ER L102N 97+75ER 102+22N 98+10E | 6.40 3.42 3.09 | 119.38 98.48 83.46 | 19.03 14.35 13.23 | 172.3 133.1 98.9 | 572 333 418 | 30.7 21.3 13.2 | 20.5 12.7 21.4 | 2049 1431 2035 | 3.62 2.87 2.47 | 44.8 25.9 16.1 | .7 .5 .4 | 9.5 1.2 6.0 | 1.1 1.4 .8 | 45.9 40.5 41.7 | .73 .55 | .88 .51 .56 | .19 | 92 79 69 | .86 .56 | .075 .066 .088 | 8.7 7.2 5.1 | 36.5 28.0 20.0 | .81 .59 .35 | 69.4 107.9 94.1 | .083 .106 .063 | 1 2 2 1 2 1 1 | 2.13 2.21 1.41 | .018 | .06 | .8 1.9 .7 6.7 .5 4.2 .3 4.3 .4 3.7 | .19 . .14 . | 01 01 01 | 40 1. 30 34 1 | 4 .1 6 .0 0 .0 | 0 7.7 6 7.6 6 5.4 |
| 101+80N 97+90E STANDARD DS4 | 2.84 6.82 | 103.92 129.29 | 14.02 31.00 | 179.2 157.0 | 245 300 | 26.4 33.6 | 14.6 12.6 | 1044 794 | 3.12 3.18 | 31.2 | 1.0 | 2.7 | 2.7 | 27.7 27.0 | .42 | .55 4.48 | .23 | 88 75 | .37 .51 | .067 | 11.3 16.4 | 32.9 164.7 | .69 .59 | 86.7 137.4 | .123 | 1 2 | 2.83 | .014 | .05 | .5 5.6 4.2 3.5 | .15<. | 01 06 2 | 22 70 1 | 7 .0 | 7 9.4 |

GROUP 1F1 - 1.00 GM SAMPLE LEACHED WITH 6 ML 2-2-2 HCL-HN03-H20 AT 95 DEG. C FOR ONE HOUR, DILUTED TO 20 ML, ANALYSED BY ICP/ES & MS. UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. - SAMPLE TYPE: SOIL SS80 60C

DATE RECEIVED:

APPENDIX 6

Analytical Results - Rock Samples

Samples 2301-2332, 2529, JK 001, JB 001-246, AE 004-007

(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

901 - 1030 Burnaby St., Vancouver BC V6E 1N8 Submitted by: J. Boutwell

Northern Natural Resources Services PROJECT FRANKLIN File # A301677



SAMPLE# Zn Ag N1 Co Mn Fe As U Au Th Sr Cd Sb Bi V Ca P La Cr Mg Ba Ti B Al Na K W Sc Ti S Hg Se Te Ga Sample 12 .3 <.1 3.6 <.1 2.2 <.01 .08 <2 .10<.001 <.5 1.3 <.01 2.8<.001 1 .01 .567 <.01 .3 .1 <.02 .02 5 <.1 <.02 <.1 9.55 20507.85 25630.41 14777.4 99999 1.6 1.5 245 1,98 1621.5 8.2 63.8 <.1 113.2 145.96 1110.13 9.21 2 8.93 .055 <.5 1.2 .04 5.4<.001 <1 .01 .003 <.01 .3 <.1 <.02 1.76 1018 147.5 13.52 .7 30 JB 001 18 002 206.37 128.8 3043 7.1 26.5 2460 10.71 161.6 5.9 88.5 <.1 17.4 1.27 4.45 2.13 11 10.68 .021 2.0 1.7 .08 4.5</td>
 0.01 5 .24 .006 <.01 23.2 .9 <.02 2.76 29 7.5 1.79 2.1</td>
 JB 003 1.62 2323.05 559.77 221.1 8132 8.1 176.4 899 31.07 348.9 3.1 114.0 .3 13.0 2.43 7.79 3.54 46 2.33 .024 1.2 6.9 .04 2.4 .001 16 .07 .005 < 01 4.3 .9 < 02 10.80 25 23.6 2.49 2.5 1.57 1164.11 38.10 109.0 22323 8.1 19.0 390 34.35 160.3 1.5 186.8 .2 2.0 .64 1.79 1.70 19 .05 .017 1.0 5.3 .02 3.3 .003 25 .03 .004 < .01 1.8 .3 < .02 .67 33 11.7 .92 3.1 JR 004 JR 005 48.95 165.2 11137 47.5 38.0 1749 26.90 280.1 2.6 304.3 .1 52.2 2.68 1.31 .90 56 2.87 .003 .9 3.6 .23 10.4 .002 5 .27 .002 < .01 .2 .4 .02 4.79 35 13.5 .74 5.1 JB 006 1.05 115.80 23.13 35.1 2154 1.2 13.2 371 32.44 107.0 1.9 58.4 .2 2.7 .13 1.92 1.46 18 .06 .030 .9 2.8 .02 4.1<.001 28 .02 .006 .01 .9 .3 < .02 < .01 <5 4.0 .65 1.1 JB 007 13.85 24166.38 46.11 693.7 48041 6.9 17.0 5113 19.97 122.3 4.6 170.0 .1 51.1 3.57 4.28 11.42 42 6.10 .032 2.0 7.3 .25 5.2 .001 <1 .25 .002 <.01 3.8 .4 .02 16.59 50 46.8 15.12 3.4 JB 008 25.86 2962.73 21.41 140.7 35766 5.8 14.8 2115 23.67 187.7 2.0 176.0 .1 34.5 .69 1.31 14.29 17 4.59 .010 .6 7.7 .03 2.3 .005 <1 .04 .001 < .01 3.6 .3 < .02 34.95 42 44.7 28.77 .7 38.60 21521.00 25400.00 99999.0 91002 16.8 218.7 3186 10.48 780.0 12.4 784.3 .2 66.1 1631.24 12.21 100.63 16 9.84 .055 1.4 7.7 .26 11.7 .001 1 .17 .001 1 .17 .001 1 .18 .4 .4 .04 14.44 3158 271.8 22.70 1.9 JB 009 JB 010 1.68 75329.27 8741.77 30294.1 99999 14.3 64.5 6121 10.76 64.1 3.1 125.6 <.1 43.1 307.39 10.27 44.02 5 6.46 .008 <.5 <.5 .31 5.8<.001 1 .08 .002 <.01 44.7 .3 .03 7.26 1594 107.8 8.28 .8 JB 011 4.76 6888.27 105.35 444.1 9089 8.9 41.9 623 25.94 123.6 2.0 104.4 <.1 3.4 3.22 .28 7.68 <2 1.05 .011 <.5 6.6 .22 1.4 .001 1 .01 .002 <.01 3.0 .2 <.02 34.84 47 78.7 48.03 .2 1.85 16517.30 45.22 145.5 14196 18.0 17.2 161 11.03 77.2 .3 8636.0 .1 2.8 1.17 1.50 3.14 87 .07 .004 < .5 5.9 .15 14.3 .005 < 1 .38 .002 .01 .6 1.0 .02 5.86 47 35.7 2.17 4.7 JB 012 JB 013 8.84 4293.60 27564.22 2577.1 39266 5.7 30.4 54 7.79 662.9 1.8 366.3 .1 19.5 21.16 14.72 1.02 15 .07 .038 1.4 15.3 .01 13.5 .002 <1 .07 .001 .01 10.1 .1 .06 6.36 677 56.0 3.86 1.7 JB 014 3.94 632.16 26.57 20.4 1366 21.9 11.3 173 8.90 4.7 2.5 104.3 1.7 86.3 .13 1.76 .79 359 .79 .213 5.1 81.9 .53 27.8 .183 2 1.11 .006 .01 < .1 5.5 < .02 2.16 15 37.9 1.21 5.1 JR 015 18.13 29.3 2718 68.8 28.1 376 13.42 11.0 1.9 134.2 1.5 69.8 1.14 1.17 284 1.59 .095 3.6 56.1 .35 12.2 .168 3 1.05 .006 < .01 .1 4.4 < .02 9.47 18 61.3 1.66 4.5 JB 016 3.49 6405.86 44.85 34.5 7062 14.4 28.6 278 9.15 9.3 .2 1153.7 .2 32.7 .11 1.00 1.00 97 .27 .047 1.2 19.9 1.52 21.5 .093 <1 1.79 .010 <.01 .2 3.8 <.02 5.06 8 15.7 1.21 10.8 JB 017 6.52 745.61 25091.21 305.4 99999 2.6 1.5 37 6.22 331.3 <.1 1052.2 .1 14.9 2.17 23.24 .15 16 .01 .022 .5 15.0 .01 35.6 .009 <1 .07 .098 .38 5.5 .2 .21 2.71 2493 29.2 .77 .7 JB 018 1.28 1607.81 4884.90 17671.4 54836 4.7 12.9 155 5.64 438.1 <.1 896.3 <.1 2.8 167.11 10.85 .18 4 .08 .005 <.5 2.4 .04 10.1 .004 1 .11 .003 .04 .3 .3 .07 5.07 1085 8.0 .72 1.2 6.32 1437.60 9221.38 9851.6 22054 2.1 5.5 102 .97 26.6 .2 302.1 1 5.5 132.11 12.20 .05 2 .02 .015 .5 16.8 .01 16.3 .001 1 .08 .004 .02 6.8 .4 < .02 .08 1044 5.6 .54 .7 JB 019 JB 020 4.12 1053.09 8860.36 291.7 47620 .8 .8 13 1.55 55.7 .1 816.6 .1 1.4 1.91 24.66 .09 2 .01 .020 .5 2.1 .01 18.3 .001 1 .09 .003 .05 2.0 .3 .03 .10 388 7.0 1.09 .8 RE JB 020 3.87 1026.10 8692.83 303.7 44616 .9 .7 13 1.52 51.4 .1 823.4 .1 1.3 1.73 23.75 .08 2 .01 .019 < 5 2.1 .01 17.3 .001 1 .08 .003 .05 1.9 .3 .03 .10 373 6.9 1.06 .7 JB 021 4.39 13661.00 30464.00 99999.0 99999 2.8 77.6 396 3.07 64.1 <.1 1439.3 <.1 1.7 1392.18 127.51 1.40 <2 .01 .001 <.5 13.0 .01 3.5<.001 1 .04 .002 <.01 6.8 <.1 .12 4.27 1850 41.6 5.60 1.0 JR 022 3.71 1690.88 3390.10 4937.8 16360 2.9 4.1 793 2.13 100.6 < 1.6558.9 < 1.74.6 39.36 5.45 .06 5 4.88 .006 1.8 1.5 .07 7.2 .003 1 .18 .001 .04 .1 .6 .04 2.01 79 19.2 .66 .6 JB 023 3.65 2097.62 9568.87 28154.6 26235 2.4 8.2 742 1.61 60.7 <.1 9305.3 <.1 64.2 262.52 6.68 .08 2 4.81 .004 .8 11.4 .04 6.6 .001 1 .09 .001 .02 4.8 .2 .03 2.37 505 25.6 .66 .5 JB 024 .74 7290.34 21452.85 83545.2 99999 2.4 46.4 940 2.78 93.9 <.1 9578.1 <.1 77.5 702.52 25.50 .62 2 5.40 .001 <.5 .7 .17 2.3<.001 3 .13 .001 <.01 8.3 .3 .08 4.05 1441 106.9 5.30 1.0 JB 025 9.37 131.73 197.51 757.6 6169 8.0 5.7 487 1.79 67.3 .1 172.1 .2 38.9 6.75 6.99 .18 13 1.51 .031 2.3 15.4 .62 20.4 .001 1 .63 .002 .11 4.4 1.3 .07 1.02 30 1.4 .25 1.4 JB 026 2.09 28884.19 13076.51 58124.4 99999 1.6 11.2 116 4.10 5.0 .2 99.4 .3 28.1 629.02 65.66 59.83 18 .14 .035 2.9 1.9 .08 25.7 .002 <1 .19 .004 .05 .3 1.9 <.02 3.71 4009 53.0 1.76 1.1 JR 027 28.53 16074.37 20584.50 3381.6 9999 3.4 7.6 308 4.79 .5 .5 89.6 .1 27.4 14.62 2.38 184.92 20 .10 .033 2.0 13.6 .15 30.2 .002 <1 .36 .017 .06 5.0 4.0 .02 1.68 2229 96.5 1.11 1.7 47.20 47045.36 181.57 197.4 99999 6.0 9.1 30 4.41 32.7 .6 364.5 2.1 63.5 11.28 65.25 66.05 12 .18 .074 9.3 1.0 .03 42.6 .001 <1 .19 .022 .11 <.1 .5 < .02 3.56 55 39.3 10.48 .6 JB 028 JB 029 17.42 27844.54 149.54 104.1 28332 6.3 13.7 232 3.07 11.3 1.0 237.4 3.0 77.7 7.91 24.30 10.37 73 .42 .079 17.6 20.1 .17 44.5 .002 <1 .33 .024 .10 1.8 1.4 .02 2.38 56 24.6 4.12 1.7 JB 030 42.26 144.3 42410 17.6 32.9 843 7.09 .2 1.7 1214.5 4.5 43.0 3.75 1.33 16.64 141 .39 .186 18.6 16.6 1.03 36.8 .005 <1 1.66 .013 .07 <.1 5.3 <.02 2.14 24 28.9 7.92 7.1 2301 13.17 162.43 129.12 102.0 56083 2.3 4.7 427 1.57 118.5 .1 234.2 2.9 5.8 5.42 .29 5.05 .029 6.9 10.4 .08 76,7 .008 1 .29 .003 .10 4.1 .6 .04 .16 42 .8 .03 .7 2302 61.35 63.2 6504 4.7 5.4 81 2.03 164.7 .5 100.1 .2 4.4 .40 4.07 .19 1305 .042 .9 2.6 .05 107.2 .002 2 .28 .003 .17 .2 1.1 .08 1.03 20 2.3 .20 .8 30 2.64 35.15 25.60 32.3 407 2.9 1.5 194 .45 2.2 .3 4.4 .1 5.2 .36 .12 .14 5 .11 .007 2.1 10.5 .02 35.6 .001 <1 .10 .001 .02 3.8 .4 < .02 .03 7 .2 .02 .3 30 STANDARD DS4 6.76 128.62 31.20 159.1 284 34.5 11.9 808 3.14 22.9 6.1 28.1 3.8 28.6 5.20 4.44 4.87 78 .55 .088 16.3 171.2 .59 140.4 .093 2 1.78 .028 .16 3.9 3.9 1.11 .04 266 1.2 .76 6.2 30

GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HN03-H20 AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS. UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. - SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAY 26 2003 DATE REPORT MAILED: 103

......D. TOYE, C.LEONG, J. WANG: CERTIFIED B.C. ASSAYERS SIGNED BY ..

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.



Northern Natural Resources Services PROJECT FRANKLIN FILE # A301677

Page 2



| SAMPLE# | Мо | Cu | Ph | 7n | An | 84 | Co | Hn I | | Ac | 11 A | Th | Sr. | r4 | ch. | 01 | v | r- | | - | 14- | - | ** | - | | | | | | | | - | - | _ | | | | _ |
|--------------|---------|----------|----------|----------|-------|-------|-----|---------|-------|-------|----------|------|-------|---------|--------|------|------|--------|--------|-----------------|-------|-------|------|------|--------|-------|-------|-------------|---------|-------|--------|-------|------|-------|------|----------|------|-----|
| | DOII | DOM | DOM | 008 | nob | nos | nom | nom , | | na nr | un noi | nne | DOM | nne | 30 | 01 | A | La . | P Lo | Cr | mg | 89 | 11 | В | AI . | Na | | W S | | | | se Se | | e Ga | Samp | le | | |
| | - | PP | PP | bbm | ppo | pp | bbm | bbu | • • | bu bi | un by | bbee | ppiii | hhu | ppm | ppm | hhm | • | 4 pps | ppm | * | ppm | 1 | ppm | ¥ | 2 | # pp | m pp | n ppn | | \$ ppl |) ppn | ppr | i ppa | | gm | | |
| 2304 | 21.62 | 192.88 | 138.21 | 147.0 | 4895 | 6.2 | 6.8 | 225 6 5 | 2 201 | 7 < | 1 1981 0 | 1 | 2 0 | 40 | 5 80 | 51 | 40 | 04 6 | 21 1 0 | 7.0 | 20 | 12.6 | 022 | | | | | | | | | | | | | | | |
| 2305 | 5.50 | 59.45 | 51.17 | 182.7 | 1545 | 6.7 | 4.1 | 282 1.0 | 0 26 | .1 < | 1 37.6 | .1 | 6.7 | 1.24 | 2.29 | .10 | 11 | 45 1 | 16 1 4 | 16.5 | 17 | 20.7 | 023 | | | 05 .0 | | | | | | 4.9 | .30 | 3.5 | | 30 | | |
| 2306 | 6.55 | 35.62 | | 140.0 | | | | | | | 1 30.1 | | | | | | | | | 2.6 | | | | | | 03 .0 | | | | | | | .04 | 1.0 | | 30 | | |
| 2307 | 78.71 | 37.08 | 35.15 | 32.9 | 5827 | 3.0 | 3.0 | 195 2.8 | 9 40 | | 5 103.7 | - 27 | | | | | | | | 21.0 | | | | | | | | 1 . | | | | 1.4 | | | | 30 | | |
| 2308 | 87.56 | 189.43 | 1562.42 | 240.2 | 18046 | 5.1 | 2.6 | 70 5.8 | 1 511 | .3 | 3 2714.2 | .4 | 3.8 | 81 1 | 3 87 | 18 | 27 | 03 0 | 10 1 2 | 6.6 | .01 | 17.0 | 020 | | | 06 .1 | | | | | | | | | | 30 | | |
| | | | | | | 0.071 | | | | | | | 0.0 | | 0.01 | . 20 | | .00 .0 | 17 1.2 | 0.0 | .03 | 17.9 | .030 | 1 | .20 .0 | 01 .0 | 19 1. | 4 . | 30. 0 | 1.6 | 6 4 | 23.6 | .62 | 1.5 | ŀ | 30 | | - 1 |
| 2309 | 34.22 | 371.99 | 3675.81 | 1075.6 | 19087 | 3.9 | 3.2 | 427 3.5 | 5 195 | .9 | 3 2695.3 | <.1 | 1.5 | 2.21 1 | 1.59 | 04 | 16 | 03 0 | 05 1 1 | 11 6 | 12 | 10 4 | 001 | | 26 0 | 01 0 | | | | _ | | | | | | | | - 1 |
| 2310 | 7.46 | 51.52 | 188.83 | 43.4 | 2073 | 1.5 | .5 | 49 .7 | 2 16 | .8 . | 1 703.4 | .1 | 1.4 | . 17 | 1.58 | .04 | 2 | .01 .0 | 02 < 5 | 1.6 | 01 | 7.8 | 001 | | | 01 .0 | | | | | | | | | | 30 | | |
| 2311 | 1.47 | 112.42 | 28.20 | 61.6 | 1268 | 1.7 1 | 3.7 | 953 5.0 | 4 9 | .3 . | 4 171.9 | .6 | 34.1 | .26 | .88 | .16 | 106 | 50 1 | OR 4 3 | 4.2 | 1 26 | AA 1 | 220 | | | | | | | | | | | 2 | | 30 | | - 1 |
| 2312 | 13.80 | 390.90 | 1631.51 | 360.6 | 18221 | 2.1 | 3.6 | 125 3.2 | 8 126 | .5 . | 1 4649.8 | .1 | 1.6 | 1.16 | 7.46 | .07 | 10 | 02 0 | 13 < 5 | 1.6 | ns. | 26.0 | 011 | 2 1. | 21 0 | 30 .0 | 7 | 3 0.1 | | | 1 < | | . 1. | 9.4 | | 30 | | |
| 2313 | 6.94 | 355.02 | 1601.72 | 1114.8 | 17907 | 2.3 | 3.7 | 364 1.8 | 4 68 | .4 <. | 1 6611.8 | <.1 | 2.8 | 8.03 | 4.15 | .06 | 6 | 11 0 | 07 < 5 | 11.0 | 08 | 14 2 | | 1 . | | | | | | | | | | | | 30 | | - 1 |
| | | | | | | | | | | | | | | | | | | | ** *** | **** | . 00 | 14.6 | .000 | | 0. 13 | 03 .0 | 4 3. | 3 .: | .04 | .0 | 1. | 5.3 | . 15 | .8 | | 30 | | - 1 |
| 2314 | 62.32 1 | 811.01 2 | 23453.84 | 1594.8 | 46814 | 3.4 | 3.9 | 131 2.5 | 3 163 | .3 <. | 1 7000.8 | <.1 | 4.2 | 9.41 2 | 1.00 | .15 | 13 | 02 0 | 11 8 | 1.0 | 14 | 10 7< | 001 | e1 | 32 N | n2 n | 6 2 | , , | ne | | 3 330 | | 2 ** | | | | | - 1 |
| 2315 | 6.98 | 347.56 | 470.82 | 2229.7 | 3011 | 6.0 | 4.7 | 371 1.4 | 1 64 | .6 <. | 1 118.3 | .1 | 4.7 | 7.17 | 2.55 | .03 | 7 . | .29 .0 | 22 1.4 | 14.2 | 08 | 21.2 | 001 | | | 04 .0 | | | | | | | | | | 30 | | - 1 |
| 2316 | 10.56 | 27.85 | 113.62 | 29.9 | 1964 | 5.6 | 4.9 | 642 1.4 | 6 81 | .0 . | 1 56.5 | .2 | 4.9 | .16 | 1.74 | .03 | 12 | 12 .0 | 33 2.0 | 2.6 | .14 | 41 9 | 004 | | | 02 .1 | | 2 .9 | | | | 1.4 | | | | 30 | | - 1 |
| RE 2316 | 10.67 | 29.24 | 117.72 | 27.4 | 1889 | 5.8 | 5.3 | 541 1.4 | 6 80 | | 1 57.2 | | | | | | | | | | | | | | | 02 .1 | | | 3 5 5 5 | 2 100 | | .6 | | | | 30 | | - 1 |
| 2317 | 24.80 9 | 317.09 | 18.18 | 45.4 | 10351 | 4.9 | 6.4 | 119 1.6 | 1 2 | 7 . | 6 77.4 | 3.0 | 96.4 | .46 | 1.15 3 | .55 | 65 . | 07 .0 | 23 4.5 | 5.7 | .17 | 48.8 | 009 | 1 | 41 0 | 29 1 | 3 1 | 5 1 0 | < 02 | 5 | , , | 2.6 | .27 | 2.0 | | 30 30 | | - 1 |
| | | | | | | | | | | | | | | | | | | | | | | .0.0 | | * * | 44 .0 | ., ., | | 0 1.0 | 02 | . 0 | , , | 2.0 | . 89 | 2.0 | | 30 | | - 1 |
| 2318 | 5.09 | 62.06 | 26.04 | 18.4 | 1509 | 1.5 | 1.6 | 282 1.2 | 4 37 | 6. | 1 37.4 | <.1 | 33.1 | .14 | 2.17 | .08 | 6. | 89 .0 | 14 .8 | 1.4 | .18 | 11.9 | 005 | <1 | 20 0 | 12 0 | , . | 1 7 | 03 | 7 | 10 | | 0.4 | 1.0 | | 10 | | - 1 |
| 2319 | 13.11 | 83.74 | 362.21 | 1203.1 9 | 99999 | .8 | .5 | 193 1.1 | 6 52 | 2 <. | 1 1478.5 | <.1 | 53.9 | 7.20 13 | 3.38 | .03 | 5 3. | 41 .0 | 11 <.5 | 10.5 | .30 | 7.B | 003 | <1 | 21 0 | 11 n | 1 4 / | | < 112 | 0. | 0 1 | 8.5 | .04 | 1.0 | | 30 | | - 1 |
| STANDARD DS4 | 7.03 | 128.32 | 28.96 | 158.4 | 298 3 | 5.3 1 | 1.8 | 69 3.1 | 3 24 | 3 6. | 2 27.9 | 4.2 | 29.0 | 5.18 | .07 4 | .88 | 79 . | 52 .0 | 8 16.9 | 175.0 | .59 1 | 46.6 | 094 | 2 1. | 77 .0 | 28 .1 | 7 4.1 | 1 4.1 | 1 17 | .00 | 282 | 1 / | .05 | 6.0 | | 30 | | - 1 |
| | | | | | | | | | | | | | | | | | | | | more delication | - | | | | | | 9.4 | | | .01 | 202 | 2.4 | ./5 | 0.0 | | 00 | | |

Sample type: ROCK R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Assay recommend for Cu, In 21%.

Pb 7 5000 ppm

Ag 7 30 ppm

Au > 1000 ppb

Data KFA



Northern Natural Resources Services PROJECT FRANKLIN File # A301677R2

| SAMPLE# | S.Wt NAu -Au TotAu gm mg gm/mt gm/mt |
|---------|---|
| SI | <1 <.01 .01 .01 |
| 2314 | 446 .50 8.26 9.38 |

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY. - SAMPLE TYPE: ROCK REJ.

(150 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Northern Natural Resources Services PROJECT FRANKLIN File # A301818 901 - 1030 Burnaby St., Vancouver BC V6E 1N8 Submitted by: John Boutwell

Page 1



| SAMPLE# | Мо | Cu | Pb | Zn | Ag | N1 | Co | Mn | Fe | As | U | Au 1 | h s | Sr | Cd St | Bi | ٧ | Ca | Р | La | Cr H | lg i | Ba Ti | 8 | A1 No | s K | W | Sc | 1 | 5 1 | la S | e | Te Ga | Sample | |
|------------------|-------------------|---------|-----------|----------|-------|------|--------|---------|---------|--------|---------|-------|--------------|---------|-------------------|--------|------|--------|---------|-------|---------|-------|----------|-------|---------|--------|-------|---------|-------|-------|--------|-------|---------|--------|------|
| | ppm | ppm | ppm | ppm | | | | ppm | | | | | | | | ppm | | | | | | - | | | | | | | | | | | | | |
| | | | | | | | | 40 | | | | | | | | | | | | | - | | - | - | | | | | | - | | | 17 | | |
| \$1 | .06 | | .34 | | | | | | | | | | | | | <.02 | | | | | | | | | | | | | | | | | | | |
| JB 031 | | | 43.09 | | | | | | | | | | | | | .41 | | | | | | | | | | | | | | | | | | | |
| JB 032 | 2.37 3 | 109.61 | 10.36 | | | | | | | | | | | | | .56 | | | | | | | | | | | | | | | | | | | |
| JB 033 | 1.75 25 | | | 21.0 | 1170 | 51.8 | 76.0 | 97 14 | .39 | 3.0 . | 9 786 | .7 . | 9 51 | .9 . | 06 .93 | 1.93 | 105 | .61 | 113 5 | .3 4 | 8.4 .7 | 7 4 | .6 .126 | 11. | 12 .002 | 2 <.01 | .4 | 5.9 <.0 | 2 10. | 85 5 | 51 59. | 5 1.0 | 06 6.8 | 30 | |
| JB 034 | 1.46 61 | 187.18 | 26.98 | 75.5 | 7301 | 17.1 | 16.7 | 163 8 | .31 27 | 5.1 . | 1 4325 | .6 | 5 2 | .4 . | 30 3.22 | .50 | 33 | .02 | .027 | .7 | 9.5 .3 | 32 15 | .8 .032 | <1 . | 64 .00 | 2 .05 | .3 | 1.5 . | 16 6. | 66 14 | 12 11. | 9 11. | 13 5.1 | 30 | |
| JB 035 | | 20. 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | 5.55 | 15.2 | 614 | 12.7 | 8.5 | 206 6 | .83 1 | 1.9 . | 6 184 | .0 . | 8 19 | .1 . | 03 .36 | .50 | 42 | . 13 | .053 4 | .8 2 | 7.6 .6 | 67 6 | .8 .022 | <1 . | 93 .00 | 2 .02 | <.1 | 2.4 <.(| 12 2. | 61 2 | 20 25. | 0 .: | 35 4.9 | 30 | |
| JB 036 | 3.18 | 79.92 | 6.32 | 45.7 | 228 | 47.9 | 10.7 | 351 3 | .83 | 2.8 . | 2 49 | .0 1. | 0 35 | .3 . | 04 .76 | .47 | 43 | .21 | 044 4 | .2 5 | 7.2 1.4 | 13 53 | 3.7 .071 | <1 1. | 38 .019 | . 10 | .1 | 4.5 .1 | 13 1. | 10 | 10 9. | 3. | 13 4.2 | 30 | |
| JB 037 | 9.99 3 | | | 30.3 | 275 | 20.4 | 24.7 | 1464 16 | .92 | 7.7 5. | 6 13 | .0 2. | 2 12. | .3 . | 15 .37 | .11 | 244 | 5.73 | .037 11 | .5 2 | 4.5 .2 | 20 7 | .2 .072 | <1 1. | 06 .007 | .01 | 2.6 | 5.1 <.0 |)2 . | 67 | 36 2. | 2 . | 12 8.6 | 30 | |
| | 39.40 3 | | | 14.5 | 1187 | 13.7 | 20.1 | 387 10 | .08 4 | 2.4 3. | 8 10727 | .7 5. | 7 11. | .3 <. | 01 .42 | 114.03 | 109 | 1.41 | 022 10 | .8 1 | 1.7 .1 | 6 25 | .9 .070 | <1 . | 48 .01 | .08 | 1.4 | 2.9 .1 | 4 7. | 02 7 | 72 7. | 6 2. | 57 4.0 | 30 | |
| JB 039 . | 10.66 | 56.14 | 14.49 | 67.5 | 296 | 21.4 | 9.0 | 204 3 | . 17 10 | 3.3 . | 5 17 | .0 1. | 2 24. | .5 . | 37 1.00 | 1.26 | 92 | .48 | 061 3 | .1 3 | 2.6 1.1 | 5 39 | .8 .162 | <1 1. | 79 .122 | . 14 | 2.7 | 6.4 . | 3 . | 85 2 | 23 1. | 4 . | 09 7.1 | 30 | |
| JB 040 | 84 62 1 | 27 05 | 2 25 | 24.2 | 562 | 77 C | 24.2 | 407 10 | 71 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB 041 | 84.62 3 | 40 01 | 4.53 | 02.0 | 1260 | 17.0 | 24.3 | 496 10 | ./1 | .0 3. | 7 44 | .4 8. | 4 54. | .3 <. | 01 .59 | 1.09 | 570 | .51 | 131 6 | .0 7 | 7.3 .6 | 1 9 | .9 .108 | <1 . | 99 .026 | .03 | .3 | 4.0 .0 | 12 . | 82 1 | 16 6. | 8 .5 | 91 10.0 | 30 | 9 |
| | 11.14 19 33.57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB 043 | | | | 10.0 | 453 | 18.9 | 5.4 | 364 3 | .42 18 | 1.4 2. | 0 9 | .3 3. | 1 13. | . 8 | 01 1.12 | .22 | 228 | .23 | 079 11 | .3 4 | 1.0 .8 | 16 65 | .0 .206 | <1 1. | 00 .049 | .06 | .4 1 | 2.1 .0 | . 13 | 04 | 8 2. | 5 .(| 06 4.6 | 30 | |
| JB 044 | 3.90 | 40.10 | 7 10 | 175.6 | 453 | 4.0 | 1.5 | 110 2 | .47 34 | 1.5 . | 1 9 | .8 . | 9 6. | .5 . | 10 1.51 | .28 | 34 | .03 . | 018 6 | .2 25 | 5.2 .4 | 0 41 | .9 .026 | <1 . | 55 .019 | .11 | 3.7 | 2.2 .0 | 16 . | 08 1 | 11 2. | 5 . | 10 2.3 | 30 | |
| 30 044 | 3.24 | 40.10 | 7.19 | 1/3.5 | 312 | 19.0 | 12.7 | 930 4 | 21 48 | 5.0 | 3 5 | .5 1. | 9 13. | | /0 1.5/ | .23 | 138 | .30 | 094 7 | .8 45 | 5.2 1.6 | 9 38 | .0 .162 | <1 2. | 04 .047 | . 28 | .4 1 | 1.8 .2 | 6 . | 69 3 | 32 1. | 0 .0 | 9 8.9 | 30 | |
| JB 045 | 3.48 | 87 33 | 3 65 | 13 0 | 374 | 11 A | 4.0 | 241 2 | 40 E/ | | 2 4 | 2 1 | 0 10 | | 06 67 | 10 | 62 | 00 | 022 4 | 2 20 | | | 7 04 | | | | | | | | | | | | |
| JB 046 | 97 | 16 10 | 2.83 | 11.8 | 114 | 10.3 | 5.0 | 272 1 | 20 20 | 0 | 1 4 | A 1. | 6 1 | | 12 72 | .15 | 20 | .00 . | 022 4 | 0 00 | 0.0 ./ | 4 27 | 4 000 | <1 1. | 02 .022 | .06 | 3.1 | 5.4 .(| 4 . | 03 | 5 1. | 9 .1 | 11 5.2 | 30 | |
| | 33.19 1 | 75 08 | 26 96 1 | 16876 S | 821 | 6.6 | 21 6 2 | 027 1 | 00 15 | A 21 | | | 0 J. | 0 120 | 13 .72 | .12 | 30 | . 00 | 411 0 | .9 23 | 3.9 .7 | 4 3/ | .4 .029 | <1 . | /4 .019 | .08 | .1 . | 3.8 .6 | 5 . | 01 1 | 11 . | 4 .0 |)5 3.1 | 30 | |
| JB 048 | 2.57 | 46 40 | 10 98 | 37 n | 467 | 6.0 | 7.5 | 120 2 | 55 AC | e 21. | 1 10 | 1 | 5 5U. E 1 | 0 120. | 02 .30 64 1 24 | .28 | 20 | 0.80 . | 911 8 | .3 / | 7.9 .7 | 5 2 | .3 .019 | 3 . | 47 .003 | <.01 | 2.0 | 1.6 <.0 | 2 . | 89 10 | 14 4. | 3 .0 | 19 2.4 | 30 | |
| JB 049 | 3.61 2 | 00 42 | 1455 35 | 1544 4 | 3377 | 10.5 | 0.01 | 274 2 | 21 26 | | 1 10 | 0 1 | 3 E1 | 6 16 | 10 1 52 | 2 67 | 20 | .04 . | 010 4 | .0 8 | 3.8 .2 | 9 20 | .2 .010 | <1 . | 110. 65 | .09 | .2 | 1.5 .0 | 6 . | 26 2 | 5 3 | 6 .1 | 12 1.9 | 30 | |
| | 0.01 | | 1400.00 | 2011.1 | 00// | 10.5 | 7.0 1 | 214 3. | 31 30 | | 3 24 | .0 1. | 3 31. | 0 10. | 10 1.55 | 3.07 | 00 | 2.07 . | 053 8 | .2 32 | 2.0 .8 | 7 40 | .8 .112 | 1 1. | 13 .018 | . 15 | 3.0 (| 5.0 .1 | 5 . | 77. 3 | 11 4. | 1 1.0 | 11 4.7 | 30 | |
| JB 050 | .45 | 27.91 | 6.02 | 57.7 | 106 | 1.8 | 1.8 | 138 1 | 58 10 | .8 <. | 1 13 | 4 <. | 1 3. | 6 .: | 39 .63 | .10 | 10 | 11 | 007 < | 5 1 | 16 0 | 3 5 | 7 002 | <1 | 9 004 | 02 | 4 | 3 < 0 | 2 | 06 3 | 12 1 | 0 2 | 10 5 | 30 | |
| RE JB 050 | .45 | 27.46 | 5.42 | 55.3 | 96 | 1.6 | 1.8 | 139 1. | 58 10 | .7 <. | 1 8 | 8 <. | 1 3. | 5 . | 41 63 | .09 | 10 | 11 | 007 < | 5 1 | 1.5 0 | 3 5 | 9 002 | <1 | 19 004 | 02 | 4 | 5 < 0 | 2 | 06 2 | 3 1 | 0 | n 5 | 30 | |
| JB 051 | 14.15 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB 052 | 3.88 2 | 67.56 | 20.20 1 | 7275.7 | 1000 | 11.7 | 22.2 1 | 593 3. | 35 72 | .7 | 41 | 9 <. | 1 60. | 4 172. | 31 .77 | .13 | 103 | 3.78 | 006 1 | 8 4 | 1 7 3 | 7 6 | 4 007 | <1 / | 84 005 | 02 | 3 / | 15 0 | 2 | 68 2A | 3 5 | 2 1 | 6 3 0 | 30 | |
| JB 053 | 4.96 1 | 71.70 9 | 9210.14 6 | 50126.2 | 13838 | 3.8 | 30.9 2 | 221 1. | 76 16 | .4 . | 42 | 2 . | 91. | 6 601.8 | 85 4.77 | 4.50 | 27 | 6.31 | 019 7 | .4 18 | 3.0 .3 | 2 20 | .2 .006 | <1 ! | 50 .005 | .06 | 3.7 2 | 2.5 .0 | 8 1 | 58 36 | 7 17 | A 1.6 | 8 2 5 | 30 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 00 | | | | 00 | |
| JB 054 | 9.15 | 93.41 | 697.33 | 3888.2 | 2745 | 4.8 | 8.4 2 | 563 4. | 72 18 | .4 .1 | 20 | 4 . | 214. | 1 42. | 19 3.57 | 3.64 | 30 1 | 5.87 . | 019 9. | .0 5 | 5.7 .29 | 5 17. | .5 .002 | <1 .: | 38 .003 | .04 | 4.8 2 | 2.4 .2 | 4 2. | 70 5 | 2 4. | 9 .9 | 1 1.7 | 30 | |
| JB 055 | 2.98 | 15.91 | 61.29 | 303.0 | 334 | 6.4 | 2.3 | 80 3. | 14 71 | .0 .4 | 9 | 4 2. | 19. | 1 2.9 | 94 1.10 | .21 | 17 | .17 . | 100 9. | 4 10 | .9 .10 | 0 67. | .5 .005 | 1 .5 | 3 .027 | .29 | 1.4 1 | 1.2 .0 | 8 . | 47 | 9 . | 6 .0 | 5 1.8 | 30 | |
| JB 056 | .20 | 7.08 | 14.16 | 84.7 | 114 | 31.5 | 4.6 | 318 . | 84 9 | .9 .2 | 2 3 | 6 .: | 3 105. | 4 .5 | 96 3.33 | .10 | 23 | 2.13 . | 058 1. | .5 31 | .6 .2 | 5 13. | .0 .138 | 3 .8 | 37 .008 | .01 | .6 2 | 2.4 <.0 | 2 < | 01 | 7 . | 1 .0 | 3 2.4 | 30 | |
| JB 057 | 4.80 7 | 46.88 | 7.51 | 50.8 | 528 | 9.1 | 27.3 | 370 9. | 33 5 | .7 .2 | 3 | 8 . | 28. | 9 .: | 32 .90 | 1.08 | 7 | 1.18 . | 061 1. | 2 6 | 5.5 .15 | 5 1. | .3 .041 | 1 .3 | 8 .004 | .01 | .9 1 | .3 .0 | 6 2. | 52 6 | 5 27.0 | 0 .1 | 7 1.6 | 30 | |
| | 6.23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1.64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 13.54 | 22.69 | 125.54 | 168.6 7 | 77938 | .7 | 7.4 | 144 3. | 37 238 | .8 .2 | 260 | 4 .4 | 8. | 7 .6 | 3 9.08 | .02 | 10 | .24 . | 099 4. | 6 | .6 .12 | 2 57. | .7 .004 | 2 .5 | 2 .019 | .21 | .3 1 | .0 .1 | 1 1.0 | 59 4 | 3 1.6 | 5 <.0 | 2 1.3 | 30 | |
| | 8.58 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2323 | 1.29 | 14.40 | 17.26 | 66.0 | 1075 | 5.8 | 2.9 | 335 . | 80 28 | .0 <.1 | 65 | 7 . | 2. | 4 .4 | 9 1.74 | .02 | 9 | .05 . | 015 1. | 0 9 | .7 .16 | 5 45. | 9 .001 | 1 .2 | 8 .004 | .07 | <.1 | .8 .0 | 1 .0 | 12 6 | 7 .2 | 2 <.0 | 2 .7 | 30 | |
| 2324 | 6.56 435 | 51.70 1 | 341.60 | 5839.7 3 | 5988 | 5.2 | 3.8 | 243 1. | 32 16 | .5 .1 | 126 | 4 .1 | 2.5 | 5 34.0 | 3 5.94 | .04 | 5 | .06 . | 015 1. | 6 22 | .4 .05 | 18. | 4 .001 | 2 .2 | 1 .003 | .08 | 7.7 1 | .0 .0 | 1 .: | 5 17 | 7 5.0 | .8. | 8 .6 | 30 | |
| ********** | | | | | | | | | | | | | | | | | | | | | * | | | | | | | | | | | | | | |
| STANDARD DS4 | 6.68 12 | 28.87 | 29.80 | 162.0 | 297 | 35.2 | 12.1 8 | 300 3. | 19 23 | .5 6.4 | 29. | 4 3.7 | 28.0 | 5.5 | 6 4.67 | 5.33 | 74 | .53 .0 | 086 17. | 1 166 | .7 .58 | 140. | 4 .088 | 1 1.7 | 7 .027 | .15 | 4.2 3 | .8 1.1 | 7 .0 | 3 27 | 8 1.3 | 3 .7 | 5 6.0 | 30 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H20 AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS. UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. - SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 2 2003 DATE REPORT MAILED:

All results are considered the confidential property of the cent. Acme assumes the liabilities for actual cost of the analysis only.



Northern Natural Resources Services PROJECT FRANKLIN FILE # A301818



Page 2

| SAMPLE# | Мо | Cu | Pb | Zn | Ag | MI | Co | Mn | Fe | As | U | Αu | Th Sr | Cd | Sb | BI | ٧ | Ca | PL | a C | r Mg | Ba | Ti | В | A1 | Na | K | W | Sc | T1 | 5 | Hg | Se | Te | Ga S | iample | |
|--------------|--------|--------|----------|---------|-------|------|------|-------|--------|-------|---------|-------|---------|---------|-------|-----|-----|--------|---------|-------|--------|------|-------|------|--------|-------|-----|------|------|-------|-----|------|------|------|------|--------|--|
| | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | 1 1 | pm pp | bu t | opb p | om ppm | ppm | ppm | ppm | ppm | 1 | \$ pp | m pp | m \$ | ppm | 8 | ppm | X | Ì | 8 | ppm | ppm | ppm | * | ppb | ppm | ppm | ppm | gm | |
| 2325 | 1.37 4 | 691.06 | 10704.47 | 99999.0 | 97445 | .5 | 62.0 | 414 2 | 59 37 | .2 < | .1 1691 | 1.3 < | 1 2.2 | 1154.57 | 56.72 | .41 | <2 | .01 .0 | 102 <. | 5 . | 7 .01 | 5.5 | .001 | <1 | .03 . | 001 < | .01 | 1.1 | <.1 | .05 1 | .75 | 2679 | 9.2 | 2.84 | .9 | 30 | |
| 2326 | 6.16 4 | 637.58 | 6632.94 | 1322.8 | 49555 | 2.4 | 1.5 | 45 1 | 82 31 | .7 < | .1 826 | 5.3 < | 1 1.3 | 5.72 | 17.44 | .51 | 4 < | .01 .0 | 002 <. | 5 20. | 7 .01 | 3.3 | .001 | 1 | .11 . | 001 < | .01 | 8.7 | .4 • | .02 | .04 | 557 | 12.2 | 2.51 | 1.5 | 30 | |
| 2327 | 4.98 | 434.16 | 78.81 | 120.5 | 816 | 9.6 | 25.0 | 466 8 | 60 282 | .5 | .2 28 | 3.0 | 6 21.9 | .65 | 2.32 | .73 | 183 | .33 .0 | 184 11. | 4 23. | 5 1.64 | 16.6 | . 150 | <1 2 | 2.98 . | 040 | .08 | .7 1 | 4.8 | .32 | .40 | 68 | 3.7 | .27 | 12.4 | 30 | |
| 2328 | 6.22 | 301.47 | 44.88 | 53.2 | 743 | 24.1 | 21.9 | 513 6 | 52 52 | .9 | .3 12 | 2.3 | 9 33.4 | .25 | 1.66 | .78 | 179 | .42 . | 35 5. | 2 35. | 9 1.06 | 54.7 | .163 | <1 1 | .76 . | 078 | .13 | 2.0 | 9.1 | .20 | .94 | 104 | 4.8 | .76 | 8.9 | 30 | |
| 2329 | 13.98 | 147.53 | 171.49 | 131.6 | 3568 | 2.7 | 1.3 | 216 1 | 25 68 | .5 | .2 195 | 5.7 | 1 1.6 | .32 | 4.44 | .02 | 9 | .01 .0 | 113 . | 6 16. | 9 .07 | 14.6 | .003 | 2 | .24 . | 003 | .02 | 9.6 | .8 | .02 | .01 | 176 | .7 | .08 | 1.0 | 30 | |
| 2330 | 7.13 | 333.31 | 720.81 | 6194.2 | 4530 | .3 | 1.2 | 505 | 45 4 | .7 1 | .7 32 | 1.9 | .1 43.0 | 46.56 | 2.78 | .07 | 7.4 | .86 . | 043 1. | 2 2. | 2 .03 | 3.4 | .002 | 8 | .05 | 003 | .01 | .3 | .5 - | <.02 | .02 | 373 | 3.7 | .09 | 4 | 30 | |
| 2331 | | | 1842.30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2332 | | 91.04 | 28.41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STANDARD DS4 | 6.78 | 125.51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Sample type: ROCK RISO 60C.

Assay recommerd for Pb > 5000 ppm
3n > 1%
Ag 730ppm
Au > 1000 ppb

GEOCHEMICAL ANALYSIS CERTIFICATE

Northern Natural Resources Services PROJECT FRANKLIN File # A301819 901 - 1030 Burnaby St., Vancouver BC V6E 1NB Submitted by: John Boutwell

| SAMPLE# | Мо | Cu | 1 | Pb | Zn | Ag | NI | Co | Mn | Fe | As | U | A | ı Ti | Sr | Cd | St | B1 | ٧ | Ca | P | La | Cr | Mg | Ba | TI | B | AT | Na | K | W | Sc | T1 | S | Hg | Se | Te | Ga Sa | nple | |
|--------------|---------|--------|--------|---------|-------|-------|--------|-----|--------|--------|-------|-----|--------|-------|-------|--------|-------|------|-----|------|------|--------|-------|-------|---------|-----|-----|-------|--------|------|------|-------|-------|-----|--------|-------|------|-------|------|--|
| | ppm | ppm | p | pm | ppm | ppb | ppm | ppm | ppm | 1 | ppm | ppm | ppl |) ppr | ppn | ppr | ppn | ppm | ppm | 1 | 1 | ppm | ppm | 1 | ppm | 1 | ppm | * | 1 | \$ p | pm p | pm p | pm | 1 1 | ppb p | pm p | pm p | pm | gm | |
| 12 | .32 | .66 | | 26 | .7 | 3 | .1 | <.1 | 5 | .03 | 1.0 | <.1 | . 9 | | 2.3 | <.01 | .03 | <.02 | <2 | .12< | .001 | <.5 | 1.1 < | .01 | 2.6<.0 | 01 | <1 | .01 . | 183 <. | 01 | .2 | .2 <. | 02 . | 02 | 5 < | .1 <. | 02 4 | .1 | 30 | |
| JB 058 | 5.07 1 | 772.42 | 9001. | 50 3213 | 4.4 1 | 8007 | 1.1 1 | 2.4 | 965 1 | .08 | 38.6 | <.1 | 2611. | <.1 | 69.5 | 272.52 | 4.95 | .06 | 3 | 6.12 | .006 | 1.2 | 10.5 | .04 | 12.7 .0 | 001 | 7 | .14 . | 007 | 06 5 | .6 | .7 | 04 1. | 48 | 768 15 | .1 . | 50 | .8 | 30 | |
| JB 059 | 5.04 1 | 510.76 | 3698. | 61 1703 | 5.5 1 | 1165 | 1.7 | 5.9 | 584 | .77 | 15.6 | <.1 | 1074.0 | .> | 47.2 | 137.00 | 3.59 | .04 | 2 | 3.77 | .004 | .9 | 14.6 | .02 | 7.8<.0 | 001 | 3 | .08 . | 003 | 04 6 | .9 | .5 . | 02 . | 99 | 773 10 | .4 . | 43 | .4 | 30 | |
| JB 060 | 9.12 | 752.85 | 10979. | 04 1490 | 0.4 1 | 1981 | 2.8 | 4.9 | 661 | .87 | 27.0 | <.1 | 1990. | 3 <. | 23.9 | 123.47 | 5.84 | .07 | <2 | 2.07 | .003 | 1.2 | 17.7 | .02 | 8.1<.(| 101 | 3 | .06 . | 003 | 03 8 | .7 | .7 | 02 . | 34 | 956 6 | 8 | 59 | 3 | 30 | |
| J8 061 | | 667.94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB 062 | 9.21 | 468.48 | 372. | 65 165 | 4.4 | 6580 | 2.9 | 3.0 | 1511 2 | 2.22 6 | 560.1 | .1 | 161. | 5 <. | 139.0 | 9.48 | 23.53 | .04 | 2 | 9.80 | .008 | 3.3 | 7.8 | 12 | 7.1.0 | 101 | 1 | 21 | 003 | 03 3 | 6 | 5 | 04.1 | 52 | 48 7 | 7 | 24 | , | 20 | |
| JB 064 | 14.25 2 | 790.01 | 15817. | 19 239 | 3.3 3 | 3660 | 3.3 | 2.1 | 296 4 | 1.42 | 193.7 | .3 | 6959. | 5 <. | 5.9 | 13.01 | 9.21 | .04 | 16 | . 19 | .007 | 1.7 | 14.3 | 11 | 11.5 (| 109 | í | 30 | 003 | 03 6 | 2 | 6 | 03 2 | 52 | 152 27 | 5 | 66 ' | n | 20 | |
| STANDARD DS4 | 6.76 | 125.63 | 31. | 25 15 | 7.7 | 284 3 | 34.1 1 | 1.9 | 792 3 | 3.15 | 22.6 | 6.0 | 25. | 3.7 | 27.0 | 5.34 | 4.89 | 5.26 | 74 | .52 | .087 | 16.8 1 | 167.2 | .58 1 | 38.1 .0 | 188 | 2 1 | .79 | 030 | 14 4 | .2 3 | .6 1 | 13 | 05 | 280 1 | 3 | 76 1 | .0 | 30 | |

GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HN03-H20 AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS. UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. - SAMPLE TYPE: ROCK R150 60C

SIGNED BY D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Assay recommend for zn >1%

Pb >5000 ppm

Ag >30ppm

An >1000ppb

ASSAY CERTIFICATE

Northern Natural Resources Services PROJECT FRANKLIN File # A301819R2 901 - 1030 Burnaby St., Vancouver BC V6E 1N8 Submitted by: John Boutwell



| SAMPLE# | s.Wt gm | NAu mg | -Au gm/mt | TotAu gm/mt | |
|---------|------------|-----------|--------------|----------------|--|
| SI | <1 | <.01 | <.01 | .01 | |
| JB 058 | 483 | .13 | 3.69 | 3.96 | |
| JB 064 | 505 | .11 | 10.08 | 10.30 | |

-AU : -150 AU BY FIRE ASSAY FROM 1 A.T. SAMPLE. DUPAU: AU DUPLICATED FROM -150 MESH. NAU - NATIVE GOLD, TOTAL SAMPLE FIRE ASSAY. - SAMPLE TYPE: ROCK REJ.

DATE RECEIVED: JUN 25 2003 DATE REPORT MAILED: July 8/03 SIGNED BY. C. L. D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



GEOCHEMICAL ANALYSIS CERTIFICATE

Northern Natural Resources Services PROJECT FRANKLIN File # A301856 901 - 1030 Burnaby St., Vancouver BC V6E 1NB Submitted by: John Boutwell



| SAMPLE# | Мо | Cu | Pb | Zn | Ag | NI | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | 81 | ٧ | Ca | P L | e Cr | r Mg | Ва | Ti | B / | AT N | a K | W | Sc | 11 | S | Hg | Se | Te | Ga S | iample | |
|--------------|---------|--------|----------|---------|-------|-------|--------|--------|--------|--------|------|--------|-----|-------|--------|-------|------|-----|---------|---------|--------|--------|-------|------|--------|--------|--------|-------|-----|-----------|-------|------|--------|-------|--------|--------|------|
| | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | 2 | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | 2 | \$ pp | в рря | n 2 | ppm | 2 p | pm | 2 | 2 2 | ppm | ppm | ppm | 1 1 | ppb | ppm | ppm | ppm | gmt | |
| 22 | 3-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SI | . 25 | . 29 | .24 | .3 | 2 | .1 | <.1 | 2 | .02 | .6 | <.1 | 2.6 | | 1.9 | | | | | | | | | 2.2< | | 1 . | 01 .40 | 0 <.01 | .2 | <.1 | <.02 | .02 | 7 | <.1 | <.02 | <.1 | 30 | |
| JB 065 | 1.76 | 8.73 | 4.48 | 23.4 | | 13.0 | 4.5 | | 1.45 | 127.1 | .3 | 8.4 | | 127.5 | 14.00 | 2.66 | | | | | | | 24.0 | | | 00.80 | | | | .05 < | .01 | 9 | .1 | .02 | 2.5 | 30 | |
| JB 066 | 2.71 | 4.68 | 2.37 | 8.9 | 60 | 1.9 | 1.4 | 418 | .36 | 40.7 | <.1 | 13.4 | <.1 | 63.6 | .07 | 1.27 | .02 | <2 | 6.26 .0 | 10 2. | 9.1 | 1 .07 | 13.8 | .002 | 1 . | 06 .00 | 5 .01 | 3.3 | .4 | .02 | .01 | 10 | <.1 | .03 | .2 | 30 | |
| JB 067 | | 24.81 | 13.43 | | 224 | .8 | .8 | 320 | .44 | 13.8 | .1 | | | 22.8 | | 1.31 | | 3 | 2.05 .0 | 17 . | 7 2.7 | 7 .07 | 5.7 | .001 | 2 . | 11 .00 | 2 .03 | <.1 | .4 | <.02 | .04 | 5 | <.1 | <.02 | .3 | 30 | |
| JB 068 | 44.05 1 | 821.19 | 14424.84 | 31667.1 | 55468 | 5.0 | 19.8 | 598 | 1.08 | 14.6 | .5 | 309.7 | <.1 | 5.2 | 207.19 | 4.99 | 3.44 | 3 | .29 .0 | 05 1. | 2 25.0 | 0 .07 | 10.9 | .003 | 2 . | 11 .00 | 4 .03 | 8.4 | 1.8 | .02 | .40 1 | 133 | 29.6 | 10.29 | .6 | 30 | |
| JB 069 | 1.83 | 755.00 | 1680.64 | 5659.1 | 3223 | 2.5 | 3.8 | 546 | .76 | 22.2 | .1 | 14.6 | <.1 | 7.3 | 31.25 | 2.84 | .66 | 9 | .84 .0 | 05 <. | 5 3.0 | 0 .19 | 3.5 | .005 | 3 . | 26 .00 | 5 .02 | <.1 | .9 | <.02 | .05 | 99 | 4.5 | . 29 | .9 | 30 | |
| JB 070 | 11.90 | 698.80 | 1417.46 | 1435.0 | 4341 | 4.3 | 1.6 | 236 | .50 | 53.9 | 2.3 | 19.7 | .1 | 27.8 | 8.46 | 54.53 | .13 | <2 | 2.18 .1 | 14 1. | 1 19.4 | 4 .01 | 2.9< | 001 | 2 . | 02 .00 | 1 .01 | 7.9 | 1 | < 02 | .15 | 278 | 3.7 | .42 | .2 | 30 | |
| JB 071 | 16.76 | 36.50 | 184.46 | 102.8 | 678 | <.1 | .4 | 1020 | .26 | 17.0 | | | | | | | | | | | | | 1.8< | | | | 1 <.01 | | | V Zimeli. | | 40 | 1 | 05 | 1 | 30 | |
| JB 072 | 28.28 | 101.36 | 17.35 | 62.7 | 260 | 19.5 | 8.8 | 340 | 2.88 | 29.6 | .8 | | | 33.7 | | | | | | | | | 30.1 | | | | 9 .08 | 10,00 | | | | | 3.3 | 15 | 5.7 | 30 | |
| JB 073 | 24.07 | 168.40 | 7.17 | 45.1 | 285 | 32.6 | 13.1 | 240 3 | 3.46 | 62.2 | 2.1 | 1.8 | 2.9 | 15.9 | | | | | | | | | 17.3 | | | | 8 .06 | | | | | | | | 5.8 | 30 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0.0 | | 3.0 | 00 | |
| JB 074 | 53.05 | 8.34 | 8.69 | 31.3 | 786 | 19.6 | 4200.0 | 900 18 | 3.26 9 | 9999.0 | .1 3 | 2982.9 | .2 | 15.4 | .01 | 50.07 | 1.49 | 6 | 1.75 .0 | 10 <. | 5 .8 | 8 .31 | 2.4 | .004 | 1 . | 11 .00 | 7 <.01 | <.1 | .4 | .79 7 | 7.23 | 14 1 | 03.4 8 | 31.00 | .7 | 30 | |
| JB 075 | 68.19 | 36.70 | 7.89 | 17.9 | 322 | 138.6 | 4600.0 | 715 28 | 3.42 9 | 9999.0 | .1 | 673.3 | .2 | 11.3 | <.01 | 59.20 | .95 | 3 | 1.07 .0 | 06 <. | 5 .5 | 5 .39 | 5.0 | .005 | 3 . | 53 .00 | 7 .01 | .3 | .8 | .61 9 | 9.50 | 9 1 | 25.9 | 36.47 | 1.6 | 30 | |
| JB 076 2 | 55.52 | 812.53 | 5.02 | 33.4 | 1852 | 19.8 | 770.3 | 598 16 | 5.33 | 1964.5 | .1 | 150.5 | .1 | 1.6 | <.01 | 5.42 | 1.96 | 14 | 1.38 .0 | 30 <. | s <.5 | 5 .12 | 2.3 | .008 | 2 . | 11 .00 | 4 <.01 | .3 | .5 | .12 9 | 0.01 | 10 | 73.0 | 2.41 | .6 | 30 | |
| JB 077 | 6.89 | 525.28 | 7.09 | 11.9 | 1076 | 49.8 | 97.4 | 143 9 | 9.92 | 320.4 | .1 | 43.3 | .4 | 2.4 | .04 | 1.40 | 1.27 | 15 | 1.05 .0 | 31 . | 3 2.5 | 9 .54 | 13.1 | .022 | <1 .: | 28 .01 | 6 .01 | <.1 | .9 | .22 8 | 3.05 | 5 | 34.2 | .66 | 3.1 | 30 | |
| JB 078 | 2.72 | 379.40 | 3.73 | 24.7 | 522 | 25.9 | 17.6 | 397 6 | 5.19 | 117.2 | .2 | 16.1 | .9 | 29.3 | .08 | 1.39 | .21 | 56 | 1.02 .0 | 43 6. | 34.1 | 1 .88 | 25.2 | .093 | 1 1.: | 34 .06 | 2 .06 | <.1 | 5.4 | .26 3 | 1.03 | 5 | 4.9 | .19 | 4.6 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17.5.4 | | |
| JB 079 | 5.25 | 93.97 | 371.37 | 297.0 | 1539 | 28.6 | 13.9 | 870 2 | 2.87 | 859.0 | .3 | 14.8 | 1.2 | 12.2 | 1.14 | 2.09 | .35 | 70 | .19 .0 | 34 3.1 | 68.9 | 9 1.17 | 107.6 | 115 | 1 1.5 | 50 .01 | 4 .33 | 2.0 | 5.9 | .23 | .11 | 12 | 3.6 | .24 | 5.8 | 30 | |
| JB 080 | 4.98 | 49.42 | 114.36 | 180.0 | 918 | 4.6 | 2.2 | 1297 | .87 | 65.6 | <.1 | 11.2 | .1 | 13.3 | 3.70 | 2.40 | .05 | 7 | 1.33 .0 | 13 1.9 | 24.3 | 3 .19 | 31.2 | 003 | 2 .: | 27 .00 | 3 .06 | 7.8 | .9 | .04 | .02 | 37 | .3 | .07 | .8 | 30 | |
| RE JB 080 | 4.98 | 50.51 | 115.90 | 190.9 | 909 | 4.7 | 2.4 | 1257 | .85 | 77.8 | <.1 | 11.5 | .1 | 12.9 | 3.48 | 2.38 | .14 | 7 | 1.30 .0 | 13 1.9 | 23.1 | . 19 | 32.2 | .003 | 2 .: | 27 .00 | 2 .06 | 7.8 | .9 | .04 | .04 | 43 | .2 | .05 | .8 | 30 | |
| JB 081 | 4.12 | 60.60 | 114.33 | 223.5 | 490 | 4.1 | 2.2 | 792 | .75 | 32.1 | .1 | 24.8 | .1 | 36.4 | 3.37 | 1.17 | .13 | 10 | 2.69 .0 | 14 1.8 | 21.9 | .34 | 16.4 | 004 | 2 .: | 38 .00 | 2 .05 | 6.6 | 1.1 | .03 < | .01 | 21 | .3 | .04 | 1.1 | 30 | |
| JB 082 | 6.21 1 | 392.48 | 17722.61 | 18732.6 | 26751 | 3.3 | 5.9 | 665 1 | .05 | 31.5 | .1 | 672.6 | .1 | 19.0 | 117.15 | 5.75 | .41 | 4 | 1.12 .0 | 06 1.1 | 19.8 | .11 | 3.3 | 002 | 2 .: | 18 .00 | 2 .04 | 8.1 | 1.6 | .02 | .25 | 917 | 31.1 | .78 | .8 | 30 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB 083 | 5.29 | 78.23 | 280.90 | 360.4 | 878 | 10.3 | 5.2 | 1055 1 | .33 | 27.3 | .1 | 21.4 | .2 | 3.8 | 2.58 | 1.78 | .27 | 14 | .08 .0 | 24 1.4 | 35.9 | .41 | 19.8 | 002 | 2 . | 52 .00 | 6 .08 | 7.3 | 1.6 | .05 | .04 | 31 | 1.0 | .11 | 1.5 | 30 | |
| JB 084 | 4.02 | 22.72 | 39.96 | 96.8 | 313 | 19.2 | 7.3 | 624 1 | .39 | 48.3 | .3 | 44.8 | .4 | 110.7 | .41 | 4.40 | .05 | 28 | 1.95 .0 | 71 3.2 | 29.2 | .42 | 8.6 | 079 | 5 1.0 | 07 .00 | 5 .02 | 5.4 | 2.8 | <.02 < | .01 | 8 | .2 | .04 | 3.8 | 30 | |
| JB 085 | 4.56 | 201.73 | 297.47 | 243.8 | 1767 | 7.9 | 3.8 | 910 1 | .22 | 25.9 | .1 | 16.6 | .2 | 18.9 | 1.76 | 1.68 | .05 | 31 | 1.27 .0 | 25 3.3 | 35.0 | .42 | 30.1 | 031 | 2 . | 52 .00 | 7 .05 | 5.8 | 2.3 | .03 < | .01 | 15 | .7 | .04 | 2.3 | 30 | |
| JB 086 | 8.03 | 220.52 | 17.38 | 184.6 | 5883 | 16.6 | 8.8 | 971 5 | .37 | 136.9 | .1 | 72.1 | .7 | 10.6 | .28 | 4.23 | .08 | 96 | .12 .0 | 80 3.4 | 36.1 | 1.14 | 55.0 | 018 | <1 1.7 | 75 .02 | 8 .11 | 1.6 | 4.7 | .06 | .11 | 58 | 2.9 | .11 | 7.7 | 30 | |
| STANDARD DS4 | 6.73 | 125.19 | 31.40 | 155.5 | 284 | 35.4 | 13.8 | 803 3 | .07 | 23.0 | 6.4 | 27.0 | 3.6 | 26.6 | 5.34 | 4.79 | 5.31 | 74 | .51 .0 | 82 16.7 | 167.0 | .58 | 144.0 | 086 | 1 1.7 | 72 .02 | 8 .15 | 4.0 | 3.7 | 1.18 | .06 | 282 | 1.2 | .76 | 5.9 | 30 | |
| | | | | | | | | | | | | | | _ | _ | _ | | | | | _ | _ | _ | _ | _ | _ | | _ | - | | _ | | _ | _ | | _ | |

GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H20 AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS.

UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.

- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 5 2003 DATE REPORT MAILED:

June 16/03

ACME ANALYTICAL LABORATORIES LTD. (ISO 9002 Accredited Co.)

852 E. HASTINGS ST. VANCOUVER BC VOA IRO

GEOCHEMICAL ANALYSIS CERTIFICATE

File # A301923 Northern Natural Resources Services PROJECT FRANKLIN 901 - 1030 Burnaby St., Vancouver BC V6E 1N8 Submitted by: John Boutwell

SD B1 V Ca P La Cr Mg Ba T1 B A1 Na K W Sc T1 S Hg Se Te GaSample Ag Ni Co Hn Fe As U Au Th SAMPLE# 3 .1 <.1 5 .02 .6 <.1 .2 <.1 1.9 <.01 .02 <.02 3 .08<.001 <.5 .8 <.01 1.5<.001 <1 .01 .367 <.01 .1 .1 <.02 <.01 <5 .1 <.02 <.1 mqq 5.33 1917.2 138 .2 8.0 4984 1.96 13.3 2.1 71.4 <.1 23.4 8.78 1.35 .13 5 2.23 .011 .5 .6 .17 20.3 .001 2 .09 .007 .01 2.8 .4 <.02 .17 41 .9 .10 51 JB 087

75.8 243 15.2 5.5 1582 1.31 13.2 .3 5.0 2.4 70.6 .31 .89 .08 58 2.56 .051 5.6 31.6 .51 51.5 .114 1 .78 .019 .09 1.9 6.7 .02 < .01 5 < .1 .03 2.7 24.33 569.05 1258.50 9608.9 7684 .9 1.3 522 .37 12.2 3.1 328.1 .1 23.8 33.49 4.46 .05 12 3.74 .089 1.2 2.0 .02 3.2<.001 2 .05 .002 .01 .7 1.0 < .02 < .01 597 3.2 .19 10.40 339.7 128 17.0 6.0 2176 1.76 8.9 2.1 5.2 1.0 166.1 .84 .18 .02 62 9.24 .106 6.1 36.0 .73 24.2 .068 <1 .72 .010 .02 4.6 6.1 .04 <.01 60 .6 .03 3.1 18 088 13.93 71.7 219 .3 .1 1563 1.65 55.7 3.0 61.7 .1 317.6 .60 .53 < .02 19 34.07 .033 3.4 2.4 .17 8.3 < .001 < 1 .07 .001 < .01 .2 .2 < .02 .51 13 1.2 .08 1.1 JB 090 12.3 31 1.4 < 1 748 .20 3.6 1.3 4.1 .1 205.3 .11 .17 < .02 4 22.59 .023 1.9 4.2 .10 6.0 .003 <1 .03 .001 < .01 1.6 .2 < .02 .04 <5 .1 .03 .2 5.39 451.19 375.79 1126.2 1713 1.4 .7 290 .41 10.8 1.3 11.6 < 1 37.1 3.77 2.26 .08 3 3.60 .027 .7 1.0 .03 2.0< .001 <1 .04 .008 .01 .3 .3 < .02 .19 33 1.6 .15 .2 7 02 JB 091 6.71 88.3 167 13.8 7.7 1275 2.20 10.3 .6 2.3 1.0 98.7 .27 .77 .12 70 7.53 .052 3.5 28.5 1.22 67.9 .048 <1 1.48 .046 .22 2.5 5.2 .18 .06 <5 1.0 .09 4.9 JB 092 92.96 157.5 12955 17.9 37.0 2186 2.20 62.8 .6 35.9 .4 36.9 .79 2.86 6.90 37 .55 .079 3.5 24.4 .99 10.6 .075 1 1.07 .008 .03 .4 3.2 .08 .05 10 4.8 2.55 2.6 JB 093 JB 094 3.55 97.34 136.48 232.8 753 20.7 17.0 4676 4.36 350.1 .4 15.6 .4 84.0 1.74 3.75 .74 38 5.35 .036 4.6 29.8 1.07 6.5 .019 <1 1.41 .002 .02 3.2 4.4 .04 .45 26 1.8 .26 4.8 JB 095 2.61 1783.07 140.94 30250.2 7300 10.9 82.4 2453 2.82 130.2 .6 27.9 .4 86.0 225.15 2.40 3.67 30 5.57 .061 4.0 13.3 .56 8.9 .013 <1 .97 .010 .04 .5 3.4 .03 .56 701 16.5 .78 3.3 10.45 191.45 5756.15 13942.5 2787 4.6 5.1 1062 .56 9.0 3.2 11.0 .1 88.3 70.49 2.22 .22 3 11.65 .042 1.6 .8 .04 3.6 .003 <1 .04 .001 <.01 .3 1.5 <.02 .19 193 10.6 .36 .3 JB 096 9.51 187.80 5618.10 13589.0 2616 5.0 5.2 1038 .55 9.0 3.0 12.9 <.1 85.6 68.83 2.14 .20 3 11.42 .039 1.5 .9 .04 3.1 .001 <1 .04 .001 <.01 .2 1.4 <.02 .20 192 9.9 .35 .3 JB 097 2.10 4.27 40.60 109.8 215 < 1 < 1 1445 .59 18.5 3.0 4.1 .1 335.6 .86 .65 .02 4 35.20 .046 3.5 1.0 .16 4.3<.001 <1 .08 .001 .01 .3 .3 .08 .04 5 .3 .12 .4 30 JB 098 23.81 3157.23 14897.24 31433.2 10435 10.1 13.9 964 .79 103.6 5.2 11.2 .2 90.9 217.28 11.02 .11 3 12.84 .110 3.2 3.2 .07 1.9 .002 117 .10 .025 .01 11.6 3.1 .02 < .01 145 7.4 .80 .8 30 19 099 20.73 502.47 12302.94 761.1 8005 3.9 4.4 643 .65 58.4 9.1 10.1 .7 67.8 2.88 5.21 .15 6 1.05 .414 2.7 26.2 .04 2.3 .001 3 .07 .008 < .01 11.0 .4 .03 .01 61 13.0 1.29 .6 30 2.59 153.60 133.39 169.7 358 11.1 3.8 2904 1.12 13.2 .4 2.5 .3 223.1 1.34 1.11 .51 32 12.33 .062 5.5 27.9 .78 13.7 .011 <1 .82 .004 .02 2.3 3.0 < .02 < .01 <5 .2 .07 2.6 30 JB 100 STANDARD DS4 6.81 123.76 31.08 149.1 288 32.7 11.3 756 3.02 21.3 6.4 25.7 3.5 25.9 5.02 4.64 4.93 71 .50 .082 15.7 158.7 .55 136.6 .082 1 1.66 .030 .14 4.1 3.6 1.17 .05 278 1.2 .72 5.9 30

GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HN03-H20 AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS. UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns. - SAMPLE TYPE: ROCK R150 60C

DATE REPORT MAILED: July 19/03

SIGNED BY D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



GEOCHEMICAL ANALYSIS CERTIFICATE

Northern Natural Resources Services PROJECT FRANKLIN File # A302050

Page 1



Co Mn Fe As U Au Th Sr Cd Sb B1 V Ca P La Cr Mg Ba T1 B A1 Na K W Sc T1 S Hg Se Te Ga Sample SAMPLE# \$ ppb ppm ppm ppm .63 .24 1.0 2 .2 <.1 2 .03 1.9 <.1 <.1 <.1 <.1 <.05 <.02 <2 .11</td>.01 <.5 1.2 <.01 <.1 <.01 <.5 <.1 <.02 <.1 <.02 <.1 <.02 <.1 <.02 <.1 <.02 <.1 <.02 <.1 <.0 </td> 6.20 68.53 2.59 43.4 158 28.2 11.8 710 3.40 11.9 1.1 8.4 2.5 19.2 .12 .70 .37 238 .47 .075 12.9 61.1 1.24 98.2 .233 1 1.46 .076 .23 .5 11.9 .19 .28 <5 2.6 .18 6.7 JB 103 13.63 7.01 16.45 38.5 5758 3.2 2.4 164 1.83 84.1 .1 102.6 .1 4.1 .11 1.95 .02 18 .03 .029 1.1 18.2 .08 80.0 .004 1 .28 .010 .14 6.6 .8 .06 .03 41 1.0 .02 1.3 JB 104 4.04 116.64 2.14 43.6 234 21.4 17.4 548 3.30 4.0 .3 4.5 .5 50.4 .04 .67 .05 110 1.36 .081 3.6 32.2 1.03 50.2 .196 <1 1.22 .111 .17 .5 4.6 .22 1.63 5 3.8 .22 5.6 JB 105 JB 106 1.32 54.75 2.21 59.3 122 4.1 18.5 1312 5.12 14.9 .3 11.6 1.1 112.8 .07 .46 .02 181 4.04 .140 7.8 4.4 1.73 18.4 .226 <1 2.57 .040 .06 1.0 7.5 .05 .40 8 .6 .08 10.8 JB 107 5.70 110.64 2.84 67.0 91 27.3 23.2 1041 5.07 13.4 .3 4.2 .8 143.5 .08 .71 .08 253 3.55 .126 7.0 48.0 2.21 45.1 .226 <1 2.77 .158 .11 .3 15.6 .08 .60 <5 2.5 .13 10.5 JB 108 10.95 136.44 1.57 24.9 57 10.4 6.6 360 1.66 8.5 .9 2.9 1.3 103.4 .27 .23 < .02 258 5.44 .096 6.7 18.0 .35 17.3 .159 < 1 1.01 .039 .05 .5 3.9 .02 .29 < 5.0 < .02 3.7 JR 109 7.32 46.42 1.12 42.2 56 35.7 3.8 220 .86 5.0 6.2 1.0 1.5 1229.1 1.53 .20 <.02 67 26.56 .332 11.5 35.5 .20 165.8 .062 2 .82 .014 .09 1.4 1.9 .02 .14 8 5.8 .15 2.7 JR 110 6.60 55.81 13.04 85.3 183 2.1 3.1 738 .77 21.7 5.2 3.4 .4 726.4 3.49 .41 1.27 55 35.08 .096 6.2 5.9 .20 70.2 .004 <1 .27 .002 .03 .5 .6 .02 <.01 5 .4 .56 .9 JB 111 17.68 67.64 2.84 30.1 105 11.1 3.8 501 1.57 12.1 .9 <.2 .9 197.1 .21 .47 .09 47 7.07 .045 5.7 18.9 .57 96.8 .055 1 1.07 .012 .09 4.2 3.2 .06 .46 5 1.5 .05 2.7 JR 112 13.75 9.40 2.80 5.7 81 9.6 2.5 575 .94 5.7 1.9 .7 1.1 346.0 .17 .24 .03 16 27.16 .061 5.8 3.4 .05 28.1 .059 1 .26 .011 .01 .3 .8 < .02 .66 <5 .6 .05 .7 JB 113 2.88 22.35 1.25 52.2 15 23.4 2.1 244 1.17 5.2 8.0 .3 4.4 401.9 1.77 .50 .05 381 17.27 .129 17.8 36.1 .18 19.2 .109 5 1.56 .010 .03 1.8 3.5 < .02 < .01 5 .2 .02 3.8 JB 114 2.05 477.86 1.90 97.4 258 18.1 16.3 983 3.60 11.5 .5 5.6 .7 226.2 .65 .43 .05 225 7.63 .092 5.3 31.5 1.06 25.3 .210 1 1.62 .030 .06 .3 10.4 .04 .84 5 7.3 .07 6.7 JB 115 2.36 93.73 5.04 42.2 175 45.2 17.4 456 4.76 36.8 .1 10.3 .9 44.6 .04 .78 .24 121 1.78 .042 6.4 59.6 1.49 38.5 .040 <1 1.82 .031 .19 1.3 8.6 .15 2.35 <5 3.7 .19 7.4 JB 116 1.60 100.13 6.47 60.5 423 3.2 21.4 1050 5.15 37.4 .4 41.7 .8 59.5 .12 1.31 .44 128 3.41 .090 6.3 2.2 2.28 31.7 .175 1 2.99 .045 .16 .8 6.5 .14 .83 8 .5 .25 9.6 JB 117 10.07 65.89 52.06 75.3 3788 11.1 11.1 486 2.98 289.3 .2 64.5 .6 8.1 .29 2.49 .06 37 .17 .088 5.2 16.4 .60 52.7 .014 11.13 .021 .17 2.5 1.9 .07 .04 15 .7 .04 3.1 JB 118 27.08 69.48 23.96 83.5 2552 12.1 11.5 752 2.81 96.9 .2 25.8 .8 11.0 .24 2.72 .08 61 .29 .103 6.7 12.7 .99 88.2 .047 1 1.39 .022 .16 .6 3.0 .10 <.01 9 .5 .10 4.8 30 JB 119 7.31 50.67 10.97 54.9 781 24.1 13.4 1344 3.22 33.5 .4 1.0 .7 88.6 .16 .98 .05 100 6.30 .081 5.6 43.4 1.36 19.2 .118 1 1.65 .027 .07 1.6 6.1 .06 .71 6 2.1 .11 7.4 JR 120 .90 24.38 7.26 281.7 271 16.2 8.1 1004 2.13 37.9 .3 2.5 .5 76.9 1.72 .61 .05 58 7.29 .059 4.7 31.5 1.00 100.0 .069 1 1.38 .028 .40 .1 4.9 .21 <.01 10 .1 .03 4.9 RE JB 120 .91 24.48 7.97 287.9 284 16.5 8.6 1023 2.17 41.4 .3 4.0 .5 78.1 1.85 .65 .06 59 7.41 .065 5.0 31.8 1.01 100.5 .073 1 1.41 .029 .43 .1 5.2 .23 .03 8 .2 .02 5.0 JB 121 4.40 2506.79 3.06 66.4 4264 11.9 7.1 590 1.44 68.9 .5 12.2 .5 36.1 .50 2.06 .51 14 2.29 .080 4.4 28.3 .43 27.0 .005 <1 .53 .002 .06 4.5 1.6 .04 .07 22 2.3 .09 1.4 JB 122 .25 18.89 5.53 23.2 32 2.6 1.6 128 .82 1.6 .7 .3 3.1 21.1 .06 .12 .04 13 .57 .018 13.4 3.8 .12 54.3 .046 1 .75 .033 .28 .2 1.1 .08 < 01 <5 < 1 < .02 4.2 30 JB 123 3.48 14.02 7.25 17.5 31 4.4 1.5 226 .73 1.2 .9 <.2 3.7 21.6 .07 .11 .04 6 .13 .018 12.4 20.5 .12 39.8 .046 <1 .45 .023 .12 5.4 .6 .04 <.01 <5 <.1 <.02 2.3 JB 124 .37 6.09 5.20 16.6 20 2.6 1.4 189 .73 .9 1.0 .5 3.2 19.8 .04 .11 .03 7 .41 .015 12.1 3.9 .10 46.5 .046 4 .62 .033 .19 .3 .9 .05 < .01 <5 < .1 < .02 3.0 JB 125 2.55 5.40 12.92 38.5 19 5.2 2.5 586 .96 1.3 1.8 .9 6.5 31.1 .20 .15 .06 15 .78 .038 28.5 15.7 .20 124.0 .090 2 1.04 .053 .38 4.5 1.5 .11 <.01 <5 .1 <.02 6.5 JB 126 4.14 323.69 5.80 38.9 603 24.8 62.7 619 5.94 10.0 1.2 5.3 1.9 23.5 .07 .85 .31 161 .35 .125 6.3 61.4 .84 43.4 .220 < 11.09 .045 .04 .4 10.3 .04 1.37 < 6.2 .23 7.2 30 3.64 99.18 6.86 126.6 247 13.8 9.4 725 3.34 12.6 .7 7.1 1.1 22.7 .18 .74 .33 132 .26 .080 4.8 97.0 .73 156.9 .178 1 1.05 .047 .03 2.2 10.7 .02 .32 5 2.2 .21 6.3 30 JB 127 JB 128 27.08 1118.73 7.12 67.0 1982 165.7 88.1 831 16.07 12.0 .8 25.2 2.1 17.9 .04 .36 .95 186 .19 .060 1.7 13.2 1.28 17.4 .120 1 2.16 .010 .07 .5 3.9 .03 10.60 6 12.6 1.17 7.7 JB 129 42,45 887.31 25.58 64.3 27900 131.3 87.7 70 22.45 49.9 .6 1893.2 1.0 7.1 .10 .82 2.06 164 .03 .048 .9 4.6 .03 24.0 .032 1 .11 .006 .03 4.4 .6 < .02 5.90 22 41.2 4.67 1.6 34.69 2871.58 15.78 38.5 2028 496.3 1166.7 63 28.41 47.6 .3 891.8 .2 20.6 .25 .40 2.38 53 .27 .010 < .5 2.4 .02 2.1 .022 1 .09 .002 .01 1.9 .5 < .02 24.28 17 65.7 4.36 1.0 JB 130 3.20 63.40 1.07 11.5 175 5.0 3.9 298 1.54 1.6 1.5 31.5 10.1 49.8 .05 .41 .03 18 1.40 .008 9.9 16.6 .08 12.2 .031 1 .50 .029 .04 5.3 1.5 < .02 < .01 <5 .3 .07 2.4 JB 131 40.15 17.60 3.73 6.3 405 3.1 2.1 195 .66 1.4 .3 3.6 .8 6.5 < .01 .19 .07 .15 .07 .018 6.9 24.3 .07 34.3 .002 1 .28 .033 .11 6.6 .8 .03 .01 8 .1 .11 1.2 JB 132 3.55 10.06 .91 2.7 26 2.2 1.0 633 .33 .3 .2 3.3 .6 40.1 .07 .04 .02 3 1.82 .002 6.6 17.3 .04 24.2<.001 1 .20 .038 .10 4.2 .3 .03 <.01 <5 .2 < .02 .6 JB 133 JB 134 .58 10.82 1.17 8.5 43 1.8 2.0 336 .75 .6 ..2 2.3 .7 9.3 .04 .07 .07 13 .13 .015 7.2 24.2 .11 32.7 .004 <1 .37 .050 .12 <.1 1.6 .03 .03 <5 .2 <.02 1.5 11.61 30.07 4.75 6.5 130 3.8 2.9 649 1.40 2.7 .7 5.0 2.0 12.3 .14 .18 .09 8 .06 .023 10.6 26.4 .02 225.9<.001 <1 .25 .003 .15 9.7 .8 .05 .08 9 .4 .07 .8 30 JB 135 STANDARD DS4 6.91 127.60 33.16 156.5 296 33.6 12.0 799 3.16 23.4 6.8 27.8 4.0 29.1 5.51 4.78 5.24 78 .54 .087 17.9 175.4 .58 140.3 .091 1 1.80 .030 .15 3.8 3.7 1.18 .04 278 1.3 .76 6.2 30

GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H20 AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS.

UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.

- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 16 2003 DATE REPORT MAILED: June 28

03 si

SIGNED BY....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only.

Data_V FA __V



Northern Natural Resources Services PROJECT FRANKLIN FILE # A302050

Page 2

| SAMPLE# | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au 1 | h Si | - Cd | Sb | B1 | ٧ | Ca | P | La | Cr | Mg | Ba | Ti | В | A1 | Na | K W Sc | T1 | S | Hg | Se Te | e Ga S | Sample |
|------------------|------|--------|-------|-------|-----|------|------|-----|------|--------|-----|---------|--------|--------|------|------|-----|-----|------|------|-------|-----|-------|------|-----|-----|------|---------------------------|------|------|-------|--------|--|----------|
| | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | * | ppm p | pm | ppb pp | om ppr | n ppm | ppm | ppm | ppm | * | * | ppm | ppm | * | ppm | X | ppm | * | % | % ppm ppm | ppm | * | ppb p | pm ppr | m ppm | gm |
| JB 136 JB 137 | | | | | | | | | | | | | | | | | | | | | | | | | | | | .15 <.1 .9 .14 6.1 2.1 | | 2011 | | | 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7 | 30 30 |
| JB 138 | 7.19 | 38.58 | 2.99 | 8.7 | 753 | 2.3 | 3.2 | 107 | 1.59 | 3.3 | .4 | 3.6 . | 4 10.2 | 2 .04 | .15 | .09 | 20 | .06 | .024 | 3.8 | 8.1 | .10 | 19.6 | .001 | <1 | .29 | .008 | .13 < .1 .8 | .03 | .09 | 5 | .6 .3 | 9 1.1 | 30 |
| JB 140 | | | | | | | | | | | | | | | | | | | | | | | | | | | | .14 < .1 .3 | | | | | | 30 |
| STANDARD DS4 | 6.78 | 123.01 | 31.06 | 158.0 | 289 | 33.7 | 11.8 | 791 | 3.13 | 22.4 6 | 5.5 | 26.0 3. | 8 27.4 | 4 5.25 | 4.32 | 4.84 | 74 | .52 | .086 | 16.7 | 164.1 | .58 | 140.7 | .087 | 2 1 | .77 | .031 | .15 4.0 3.7 | 1.16 | .06 | 269 1 | .2 .7 | 0 6.0 | 30 |

Sample type: ROCK R150 60C.

GEOCHEMICAL ANALYSIS CERTIFICATE

Northern Natural Resources Services PROJECT FRANKLIN File # A302126 901 - 1030 Burnaby St., Vancouver BC V6E 1NB Submitted by: John Boutwell

Page 1



| SAMPLE# | Мо | Cu | Pb | Zn | Ag | N1 | Co M | Fe . | As | U | Au | Th | Sr | Cd St | 81 | V DOB | Ca | La t nom | Cr | Mg ± | Ba 1 | 1 B | A1 | Na | K * r | W Sc | T1 port | 5 | Hg ppb n | Se 1 | e Ga: | Sample gm | | |
|--------------|--------|---------|-------|-------|-------|---------|---------|---------|-------|------|-------|--------|--------|---------|-------|----------|----------|-------------|-------|---------|----------|-------|------|------|-------|----------|---------|------|-------------|--------|--------|--------------|------|--|
| | ppm | ppm | ppm | ppm | ppo | ppm p | bu bb | 1 3 | bbw | ppm | ppu | ppm | ppm p | bu bbu | hhii | bhu | • | e bbm | bbu | - | pps | a ppm | | | - , | dam blam | ppm | _ | ppu p | Pin Pr | pp | - | | |
| 12 | . 29 | 1.48 | .46 | .6 | 5 | .8 | .1 | . 10 | .4 | <.1 | .5 | <.1 | 3.5 <. | 01 .03 | <.02 | <2 | .14<.00 | 1 <.5 | 1.9 | .01 | 3.4<.00 | 1 1 | .02 | .575 | .01 | .6 .1 | <.02 | .03 | <5 < | .1 <.0 | 2 .1 | 30 | | |
| JB 141 | 1.39 | 5.24 | 2.99 | 10.5 | 99 | 5.1 3 | .5 36 | 1.48 | 1.4 | .1 | 4.5 | .2 | 3.4 . | 07 .26 | .17 | 6 | .05 .02 | 8 .7 | 7.9 | .03 | 32.7 .00 | 12 2 | .20 | .023 | .07 1 | .4 2.2 | .02 | .02 | <5 | .1 .0 | 5 .5 | 30 | | |
| JB 142 | | 5571.43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB 143 | | 782.99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB 144 | 5.67 | 284.29 | 16.26 | 19.0 | 646 | 8.4 18 | 1.2 20 | 7 11.48 | 53.0 | .1 | 21.6 | .4 2 | 4.3 . | 02 1.20 | .62 | 83 | .27 .04 | 1 1.2 | 40.0 | .61 | 49.6 .13 | 21 1 | 1.96 | .072 | .09 | .5 5.7 | .07 | . 19 | <5 2 | .7 1.4 | 7 10.8 | 30 | | |
| JB 145 | 13.13 | 45.40 | 77.09 | 168.6 | 21555 | 4.7 6 | .7 15 | 1 1.43 | 128.8 | .1 3 | 142.4 | .4 | 3.2 1. | 05 2.99 | .07 | 9 | .12 .04 | 1 2.0 | 4.7 | .14 | 43.2 .02 | 24 2 | .58 | .006 | .14 | 1.6 .9 | .06 | .20 | 383 1 | .0 <.0 | 2 1.1 | 30 | | |
| JB 146 | 1.77 | 74.25 | 12.80 | 75.8 | 586 | 4.9 21 | .1 118 | 6 6.51 | 58.9 | .2 | 16.9 | .8 1 | 8.8 | 14 .6 | .48 | 69 | .36 .11 | 1 8.0 | 2.7 | 1.66 | 93.6 .07 | 76 2 | 2.72 | .024 | .20 | 1.1 3.1 | .11 | 1.93 | 12 | . 8. | 8 5.2 | 30 | | |
| JB 147 | 1.76 | 173.27 | 2.36 | 29.9 | 178 | 2.5 14 | .3 44 | 3.15 | 25.7 | .4 | 4.0 | 1.2 5 | 0.3 . | 05 .5 | .22 | 101 | .72 .11 | 2 8.7 | 2.5 | 1.10 | 40.4 .18 | 82 1 | 2.30 | .147 | .07 | .9 7.3 | .07 | .05 | 6 1 | .8 .2 | 2 7.7 | 30 | | |
| JB 148 | 6.34 | 121.86 | 1.78 | 53.9 | 101 | 6.2 18 | .5 281 | 5 7.98 | 10.9 | .2 | 3.5 | .3 22 | 8.8 | 01 .19 | .14 | 288 13 | .39 .09 | 6 3.1 | 12.1 | 2.57 | 14.6 .13 | 22 1 | 3.19 | .081 | .08 | .6 18.9 | .10 | 1.60 | <5 2 | .2 . | 0 11.4 | 30 | | |
| JB 149 | .84 | 153.45 | 1.40 | 22.9 | 175 | 6.0 20 | .9 51 | 2 3.62 | 2.8 | .2 | 5.4 | .2 8 | 2.1 . | 01 1.3 | .14 | 45 1 | .59 .10 | 1 1.8 | 5.3 | .23 | 9.3 .14 | 47 1 | .92 | .005 | .02 | 1.8 3.0 | .60 | 1.64 | <5 3 | .3 . | 1 4.0 | 30 | | |
| JB 150 | 2.98 | 107.12 | 2.86 | 69.5 | 83 | 14.3 13 | 8.8 136 | 3 3.36 | 2.6 | .5 | 2.1 | .7 18 | 3.9 . | 04 .2 | 2 .07 | 115 6 | .46 .14 | 5 7.3 | 21.6 | 1.42 | 43.3 .09 | 95 1 | 2.40 | .148 | .22 | .7 6.7 | 7 .13 | .35 | <5 1 | .3 .0 | 9 7.1 | 30 | | |
| JB 151 | | 27.72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB 152 | 8.82 | 443.62 | 9.70 | 48.3 | 1250 | 26.3 55 | .5 41 | 9.66 | 6.5 | .9 | 20.6 | 1.2 3 | 5.4 . | 09 .4 | .32 | 123 | .18 .07 | 6 11.8 | 47.6 | .27 | 24.8 .00 | 04 <1 | 1.16 | .018 | .15 | 1.3 2.7 | .04 | 3.05 | <5 4 | .3 .4 | 1 5.8 | 30 | | |
| JB 153 | | 32.20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB 154 | | 4.62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB 155 | .65 | 47.79 | 6.15 | 5.9 | 204 | 1.7 1 | .4 9 | 1.88 | 9.2 | .6 | 15.4 | 3.0 2 | 2.2 | 01 .3 | .31 | 26 | .03 .03 | 2 18.1 | 3.2 | .05 | 95.0 .00 | 02 1 | .48 | .047 | .23 | .6 .7 | .05 | .31 | <5 | .8 . | 3 2.2 | 30 | | |
| JB 156 | 1.91 | 24.43 | 5.60 | 47.6 | 44 | 15.3 8 | .4 63 | 2 2.04 | .9 | .2 | 9.1 | .7 10 | 1.3 | 12 .0 | .03 | 29 2 | 2.12 .01 | 7 4.2 | 9.9 | .42 | 53.7 .00 | 03 <1 | .38 | .002 | .12 | 1.6 2.2 | .02 | .02 | <5 < | .1 <.0 | 2 .5 | 30 | | |
| JB 157 | 1.31 | 691.81 | 1.82 | 30.0 | 420 | 3.8 12 | 2.1 47 | 2.54 | 1.4 | 1.2 | 15.0 | 2.7 3 | 5.7 | 11 .2 | .06 | 55 | .80 .07 | 2 4.2 | 8.0 | .89 | 31.4 .08 | 87 1 | 1.07 | .031 | .08 | .3 5.7 | .03 | 1.03 | <5 I | .7 .0 | 9 4.5 | 30 | | |
| JB 158 | 60.56 | 333.13 | 16.27 | 14.7 | 2286 | 1.8 1 | .7 13 | 4.49 | 2.4 | 1.2 | 50.2 | 3.2 1 | 6.4 <. | 01 .58 | .49 | 47 | .07 .04 | 6 7.5 | 10.1 | .46 1 | 05.9 .00 | 04 1 | .85 | .029 | .13 | 1.3 1.9 | .04 | . 13 | <5 3 | .3 .: | 2 5.3 | 30 | | |
| JB 159 | .52 | 95.61 | 7.27 | 93.2 | 114 | 1.9 10 | .4 131 | 9 3.30 | 1.6 | 2.1 | 6.6 | 2.0 12 | 4.1 . | 24 .17 | .06 | 101 2 | .14 .09 | 3 11.0 | 4.5 | .65 | 58.1 .00 | 87 1 | 1.18 | .026 | .11 | .3 2.0 | .03 | <.01 | <5 | .1 .6 | 3 6.4 | 30 | | |
| JB 160 | 3.16 | 346.25 | 3.67 | 13.6 | 560 | 3.4 21 | .3 12 | 7 5.75 | 2.2 | 1.0 | 17.7 | 4.0 3 | 5.7 | 03 .3 | .39 | 56 | .07 .06 | 5 12.1 | 10.0 | .42 13 | 31.5 .0 | 14 <1 | .78 | .019 | .16 | .9 3.7 | .03 | .71 | <5 2 | .3 . | 5 6.4 | 30 | | |
| JB 161 | 187.53 | 639.35 | 5.12 | 13.5 | 1415 | 7.2 7 | .5 12 | 2 8.48 | 17.8 | .4 1 | 25.8 | 1.4 2 | 8.2 . | 03 .9 | .47 | 42 | .07 .02 | 6 1.4 | 2.1 | . 18 | 24.9 .03 | 39 <1 | .46 | .006 | .09 | .8 1.2 | .02 | 3.60 | 8 4 | .1 .6 | 5 4.3 | 30 | | |
| JB 162 | 3.87 | 16.92 | 15.20 | 55.3 | 106 | 4.3 9 | .0 58 | 7 2.60 | 6.8 | .3 | 7.2 | 6.5 8 | 1.3 . | 06 .5 | .10 | 45 1 | .04 .10 | 5 57.6 | 7.3 | .42 1 | 90.5 .00 | 04 <1 | 1.09 | .027 | .13 | .7 2.9 | .05 | .02 | <5 | .4 .0 | 2 5.7 | 30 | | |
| RE JB 162 | | 17.27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB 163 | .91 | 90.65 | 18.56 | 16.7 | 93 | 1.1 4 | .2 27 | 1 1.99 | 3.2 | .7 | 3.3 | 1.2 2 | 2.2 . | 17 .48 | .85 | 19 | .58 .08 | 8 28.3 | .6 | .03 1 | 78.2 .00 | 03 1 | .34 | .013 | .20 2 | 2.8 1.6 | .06 | <.01 | <5 | .2 .0 | .8 | 30 | | |
| JB 164 | 3.94 | 207.45 | 50.37 | 11.9 | 790 | 9.3 2 | .7 47 | 1 .99 | 1.3 | .2 | 4.6 | .2 | 9.2 . | 05 .13 | . 24 | 10 | .31 .00 | 6 1.1 | 10.7 | .06 | 52.0<.00 | 01 <1 | .08 | .001 | .04 | 3.6 .9 | <.02 | .03 | <5 < | .1 <.(| 2 .3 | 30 | | |
| JB 165 | .34 | 47.20 | 10.89 | 5.9 | 65 | .8 | .8 7 | 7 .63 | .7 | 3.7 | 2.3 2 | 7.7 2 | 1.4 . | 03 .15 | .11 | 10 | .03 .00 | 9 58.0 | 1.7 | .03 5 | 55.3 .00 | 03 1 | .23 | .027 | .13 | .4 .4 | .02 | <.01 | <5 < | .1 <.0 | 2 1.2 | 30 | | |
| JB 166 | | 22.28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB 167 | | 157.78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB 168 | | 70.58 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB 169 | | 701.44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB 170 | | 47.16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB 171 | 15.83 | 61.06 | 5.72 | 37.2 | 213 | 17.5 5 | .3 77 | 1.76 | 14.0 | .6 | 11.6 | .5 5 | 9.4 . | 12 .49 | .04 | 29 3 | .11 .03 | 9 5.4 | 15.8 | .36 | 21.1 .00 | 01 <1 | . 63 | .002 | .05 | .4 3.1 | .02 | .57 | <5 2 | .1 .0 | 4 1.4 | 30 | | |
| JB 172 | | 109.84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STANDARD DS4 | 6.77 | 127.41 | 31.84 | 160.3 | 275 | 33.3 11 | .4 79 | 3.07 | 21.7 | 6.6 | 29.0 | 3.7 2 | 7.4 5. | 35 4.65 | 5.02 | 74 | .52 .08 | 4 17.6 | 162.9 | .57 13 | 39.2 .08 | 37 2 | 1.81 | .030 | .15 3 | 8.8 3.6 | 1.12 | .04 | 287 1 | .3 .7 | 3 5.7 | 30 | | |

GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H20 AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS.

UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.

- SAMPLE TYPE: ROCK R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 20 2003 DATE REPORT MAILED:

: June 30/03

SIGNED BY ... TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

+:

LFA TV



Northern Natural Resources Services PROJECT FRANKLIN FILE # A302126 Page 2

| SAMPLE# | Мо | Cu | Pb | Zn | 1 A | g Ni | Co | Mn | F | e As | U | Au | Th | Sr | Cd | Sb | 81 | ٧ | Ca | p | La | Cr | Mg | Ва | T1 | В | A1 | Na | K | W | Sc | TI | S | Hg | Se | Te | Ga | Samp | le | |
|--------------|-------|---------|-------|-------|-----|--------|-------|-----|-------|--------|-----|-------|-----|--------|------|--------|------|-----|--------|-----|--------|-------|-------|-------|------|-----|------|------|-----|-----|-----|------|------|-----|-----|------|-----|------|----------|--|
| | ppm | ppm | ppm | ppe | pp | b ppm | ppn | ppn | £ 1 | \$ ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | 2 | * | ppm | ppm | 1 | ppm | 1 | ppm | * | \$ | 1 | ppm | ppm | ppm | 1 | ppb | ppm | ppm | ppm | | gm. | |
| | | | | | | | | | | | | -6. | | | 1 | | | | | | | | | | | | 2000 | | | | | | | | | | | | New York | |
| AE 004 | 2.49 | 733.45 | 3.46 | 41.4 | 51 | 0 80.8 | 119.3 | 860 | 7.0 | 4 23.5 | .2 | 17.3 | .2 | 77.3 | . 15 | .40 | .09 | 42 | 2.08 . | 028 | .9 | 8.1 | .29 | 14.0 | .030 | <1 | .42 | .004 | .03 | .7 | 2.8 | .02 | 4.64 | <5 | 9.6 | .16 | 2.5 | | 30 | |
| AE 005 | 41.99 | 5544.42 | 1.34 | 134.5 | 569 | 2 60.7 | 42.4 | 427 | 1.9 | 2 4.3 | .3 | 151.0 | .5 | 63.4 2 | .37 | .18 | .07 | 117 | 2.39 . | 125 | 2.6 | 14.7 | .65 | 4.2 | .105 | <1 | .78 | .039 | .01 | 1.5 | 9.9 | <.02 | .76 | <5 | 4.0 | .07 | 2.9 | n j | 30 | |
| AE 006 | 3.57 | 82.58 | 6.94 | 22.7 | 53 | 6 16.3 | 16.8 | 507 | 1.8 | 2 21.7 | .4 | 13.2 | .3 | 14.3 | .12 | .23 | .02 | 23 | .16 . | 031 | 2.2 | 11.7 | .03 1 | 155.3 | .003 | <1 | . 19 | .001 | .11 | 2.7 | 2.2 | .03 | .11 | <5 | .2 | <.02 | .3 | 1 | 30 | |
| STANDARD DS4 | 6.71 | 126.08 | 32.02 | 160.1 | 28 | 0 33.8 | 11.9 | 793 | 3 3.0 | 4 22.7 | 6.7 | 27.5 | 3.9 | 26.9 | .36 | 1.67 5 | 5.12 | 74 | .52 . | 080 | 16.8 1 | 163.3 | .57 | 139.4 | .086 | 1 | 1.75 | .030 | .14 | 3.9 | 3.6 | 1.12 | .02 | 270 | 1.2 | .71 | 6.0 | | 30 | |

Sample type: ROCK R150 60C.

(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

901 - 1030 Burnaby St., Vancouver BC V6E 1NB Submitted by: John Boutwell

Northern Natural Resources Services PROJECT FRANKLIN File # A302216



| | | | | | | | | | | - | | _ | - | _ | | - | | | _ | | | - | | | | | | | | | | | | | | | | |
|--------------|---------|---------|--------|-------|--------|--------|--------|----------|-------|-----|-------|------|-------|------|--------|-------|---------|---------|------|-------|-------|-------|-------|------|--------|--------|-------|-------|---------|------|-----|------|------|--------|--------|---|------|-----|
| SAMPLE# | Мо | Cu | Pb | Zn | Ag | NI | Co | Hn Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | ۷ (| a f | La | Cr | Mg | Ва | Ti | 8 | A1 | Na | K | W S | ic T1 | S | Hg | Se | Te | Ga | Sample | e | | |
| | ppm | ppm | ppm | ppm | ppb | ppm p | opm p | opm \$ | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm p | mqc | \$ 1 | ppm | ppm | \$ | ppm | 2 1 | ppm | 2 | 1 | % pp | m pp | wa bbw | 2 | ppb | ppm | ppn | n ppm | 9 | n | | |
| | | | | | | | | | | | | 12 | 8.8 | 200 | | | | | | | | | | | | | | | | | | | | | | | | |
| SI | 1.50 | .66 | .71 | .6 | 8 | .3 | . 1 | 4 .04 | .2 | <.1 | <.2 | .1 | 3.1 | .01 | <.02 | .12 | 3 .1 | 13<.00 | 1.1 | .7 | .01 | 2.5 . | .001 | <1 | .01 .4 | 24 <.(|)1 . | 2 . | 1 <.02 | .06 | <5 | <.1 | <.02 | 2 <.1 | 3 | 0 | | - 1 |
| JB 173 | 41.53 1 | 56.84 3 | 028.96 | 191.9 | 8829 1 | 1.4 17 | 7.7 (| 606 3.23 | 51.5 | .2 | 173.0 | .6 | 7.8 | 4.46 | 3.82 3 | .84 | 130 .2 | 21 .059 | 3.1 | 7.8 | 1.06 | 20.3 | .067 | 1 1 | .09 .0 | 20 .0 | 16 2. | 0 6. | 5 .06 | .99 | 585 | 19.2 | 5.48 | 6.0 | 3 | 0 | | |
| JB 174 | 3.79 | 14.09 | 26.44 | 31.5 | 175 | 4.2 4 | 4.1 12 | 77 1.49 | 11.8 | .1 | 25.5 | .1 | 62.8 | . 15 | .41 | .20 | 32 7.6 | 51 .019 | 2.2 | 7.7 | .48 | 10.8 | .021 | <1 | .55 .0 | 07 .0 | . 3 | 8 1. | 9 .02 | .41 | 79 | 1.5 | . 12 | 2 2.5 | 3 | 0 | | - 1 |
| JB 175 | 2.07 | 79.16 | 27.79 | 67.8 | 208 2 | 4.1 7 | 7.6 | 97 1.00 | 6.7 | .7 | 31.8 | .9 | 99.7 | . 18 | .24 | . 10 | 45 5.3 | 33 . 13 | 5.6 | 29.0 | .38 | 23.5 | .071 | <1 | .66 .0 | 47 .(| 14 2. | 0 3. | 1 .02 | . 16 | 120 | 1.7 | .13 | 3 2.3 | 3 | 0 | | - 1 |
| JB 176 | 3.81 1 | 04.99 | 5.06 | 22.1 | 132 | 3.0 | 7.5 | 305 2.48 | 2.5 | .9 | 13.2 | 10.6 | 12.1 | .07 | .17 | .30 | 38 .2 | 23 .02 | 5.7 | 5.6 | .41 | 16.4 | .046 | <1 | .72 .0 | 46 .(| | 6 2. | .3 .04 | .30 | 44 | .4 | .08 | 3.4 | 3 | 0 | | |
| JB 177 | 1.20 | 16.33 | 4.86 | 9.4 | 51 | 2.4 | 1.0 | 139 .45 | 1.4 | .8 | 10.9 | 7.3 | 26.7 | .04 | .16 | .06 | 21 .8 | 85 .05 | 2.5 | 6.4 | .27 | 18.1 | .053 | 1 | .37 .0 | 53 .(| 13 1. | 3 3. | 6 < .02 | .02 | 22 | .1 | .03 | 3 1.4 | 3 | 0 | | |
| JB 178 | 1.55 | 55.51 | 3.53 | 38.1 | 94 | 5.4 16 | 6.9 | 76 4.02 | 6.9 | .3 | 4.3 | 1.0 | 123.1 | .03 | .50 | .28 | 125 2.9 | 90 .09 | 6.5 | 9.4 | 1.33 | 78.0 | .111 | 2 4 | .49 .3 | 97 .0 | 06 . | 6 11. | 4 .07 | .82 | 19 | .2 | .1 | 1 10.5 | 3 | 0 | | - 1 |
| JB 179 | 3.88 | 45.04 | 5.91 | 30.1 | 103 | 7.7 1 | 1.3 | 573 3.04 | 6.7 | .6 | 4.6 | 1.7 | 31.8 | .04 | .86 | .26 | 54 2.3 | 32 .05 | 6.4 | 24.5 | .95 | 30.3 | .151 | 1 1 | .35 .0 | 27 .0 | 1. | 6 4 | 0 .06 | 1.36 | 13 | 1.0 | . 13 | 2 5.5 | 3 | 0 | | - 1 |
| JB 180 | 4.94 | 49.71 | 9.86 | 27.3 | 123 | 8.6 1 | 1.7 | 529 3.08 | 8.5 | .6 | 4.8 | 1.6 | 42.7 | .04 | 1.19 | .53 | 58 2.0 | 00 .05 | 5.3 | 23.3 | .92 | 62.5 | . 156 | 1 1 | .62 .0 | 51 .1 | 16 1. | 1 7 | 4 .08 | 1.81 | 9 | 2.2 | .10 | 5 5.8 | 3 | 0 | | - 1 |
| JB 181 | 3.29 | 76.14 | 3.35 | 33.6 | 138 | 4.8 2 | 3.1 10 | 31 4.86 | 11.7 | .2 | 2.2 | .8 | 106.9 | .05 | .91 | .47 | 109 3.9 | 93 .07 | 4.8 | 4.6 | 1.19 | 65.1 | .079 | 1 2 | .84 .2 | 21 .0 |)9 . | 8 9 | 0 .10 | 2.60 | 5 | .9 | .19 | 7.1 | 3 | 0 | | |
| JB 182 | 37.19 | 23.25 | 4.19 | 22.3 | 588 | 2.5 11 | 1.1 | 123 2.47 | 7.0 | .3 | 6.8 | .6 | 12.0 | .02 | .81 | .21 | 60 .6 | 69 .04: | 5.5 | 3.6 | .63 | 28.4 | .092 | <1 1 | .52 .0 | 08 .: | 23 5. | 2 4. | 1 .23 | .05 | 11 | .1 | .05 | 5 5.0 | 3 | 0 | | |
| JB 183 | 1.41 | 19.71 | 2.52 | 8.7 | 39 1 | 3.0 5 | 5.1 | 224 .48 | 2.8 | .3 | 3.6 | .7 | 25.9 | .03 | .17 | .04 | 19 1.0 | 07 .08 | 4.3 | 16.6 | .06 | 24.0 | . 105 | <1 | .53 .0 | 29 .(| 1. | 4 2. | 3 .02 | .01 | 21 | .2 | <.02 | 2 1.7 | 3 | 0 | | - 1 |
| RE JB 183 | 1.47 | 17.94 | 2.37 | 9.8 | 38 1 | 1.5 | 4.3 | 223 .47 | 2.7 | .3 | 8.3 | .7 | 26.7 | .04 | .17 | .04 | 20 1.1 | 12 .08 | 4.6 | 17.8 | .06 | 24.8 | .114 | <1 | .55 .0 | 30 .0 | 14 1. | 5 2 | 2 .02 | .02 | 20 | .3 | <.02 | 2 1.8 | 3 | 0 | | |
| JB 184 | 4.55 2 | 258.80 | 3.99 | 36.6 | 159 4 | 4.3 15 | 5.1 | 737 6.35 | 10.7 | .7 | 28.1 | 1.1 | 207.8 | .04 | .97 | .19 | 105 5.1 | 16 .24 | 9.2 | 69.2 | 1.37 | 22.8 | .081 | 1 1 | .47 .0 | 28 .0 | 3 . | 3 7. | 5 < .02 | 5.06 | 16 | 2.6 | .17 | 6.3 | 3 | 0 | | |
| JB 185 | 64.22 | 26.58 | 6.98 | 21.9 | 88 | 2.6 | 2.1 | 159 3.42 | 117.5 | 3.7 | 6.5 | 18.7 | 34.9 | <.01 | 1.29 | . 10 | 71 . | 21 .06 | 34.4 | 12.2 | .35 | 26.7 | . 273 | <1 1 | .30 .0 | 23 .1 | 10 . | 2 5. | 7 .42 | .11 | 19 | .3 | .02 | 6.8 | 3 | 0 | | |
| STANDARD DS4 | 6.44 1 | 25.64 | 31.28 | 152.6 | 296 3 | 4.2 12 | 2.3 | 785 3.10 | 22.6 | 6.4 | 25.8 | 3.5 | 26.8 | 5.13 | 4.81 5 | .09 | 74 .5 | 52 .08 | 15.8 | 163.4 | .58 1 | 43.8 | .083 | 2 1 | .73 .0 | 27 .] | 15 4. | 0 3. | 5 1.08 | .06 | 274 | 1.3 | .72 | 2 5.8 | 3 | 0 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H20 AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS. UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns. - SAMPLE TYPE: ROCK R150 60C

SIGNED BYD. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Northern Natural Resources Services PROJECT FRANKLIN File # A302310 901 - 1030 Burnaby St., Vancouver BC V6E 1N8 Submitted by: John Boutwell

| SAMPLE# | Мо | Cu | Pb | Zn | Ag | Ns | Co | Mn Fe | As | U | Au | Th | Sr | Cd | Sb | 81 | ٧ | Ca I | La | Cr | Mg | Ba | T1 E | B Al | Na | K | W | Sc | TI. | S | Hg | Se | Te | Ga Sar | mpte | | |
|------------------|-------------|----------|--------|---------|-------|---------|------|----------|-------|------|-------|-----|------|-------|--------|-------|-------|---------|-------|------|------|----------|--------|----------------|------|-----|-------|-------|------|------|-------|--------|-------|--------|------|------|----------|
| | ppm | ppm | ppm | ppm | ppb | ppm p | ppm | ppm \$ | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm p | ppm | 1 1 | g bbu | ppm | 1 | ppm | \$ ppr | 11 % | 8 | 2 | ppm p | ppm g | ppm | 8 | ppb p | opm p | pm p | ppm | gn | | |
| | - | | | | | | | | | | | | | | . 00 | . 0.0 | -2 | 11 - 00 | | | - 01 | 21-0 | 01 - | | c22 | | | | 02 | 02 | | | 02 | | 30 | | |
| 21 | | 1.77 | .32 | | | | | 6 .06 | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | - 1 |
| JB 186 | | | 26.13 | | | | | 11 9.22 | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | - 1 |
| JB 187 | | 049.51 | 4.64 | | | | | 087 4.34 | | | | | | | | | | | | | | | | | | | | | | | 2.0 | | 221 2 | 2.0 | 30 | | - 1 |
| JB 188 JB 189 | 100000 | 385.32 | | | | | | 274 1.21 | | | | | | | | | | | | | | | | 1 .25 1 .13 | | | | | | | 26 | | | | 30 | | |
| 30 103 | 4.73 | 88.90 | 17.42 | 19.7 | 1102 | 2.9 | 2.4 | 140 .80 | 49.8 | <.1 | 123.0 | ٠.1 | 2.0 | . 10 | 3.21 | .03 | 0 . | 03 .00 | 0 <.5 | 15.9 | .09 | 0.7 .0 | UI | 1 .13 | .003 | .02 | 5.4 | . 5 . | .02 | .03 | 5 | ٠. | UZ | .9 | 30 | | _1 |
| JB 190 | 3.83 | 12.63 | 16.46 | 114.5 | 286 | 3.3 | 1.0 | 77 .57 | 19.7 | . 1 | 21.0 | .1 | 5.2 | . 68 | .70 | .04 | <2 . | 11 .00 | 7 .5 | 2.0 | .03 | 45.4<.0 | 01 < | 1 .07 | .001 | .02 | .1 | .2 < | .02 | .15 | 7 | .2 . | 03 | .2 | 30 | | |
| JB 191 | 4.64 1 | 514.50 2 | 210.47 | 12260.2 | 6649 | 3.9 1 | 1.0 | 291 1.05 | 33.8 | .2 | 29.4 | <.1 | 4.2 | 58.34 | 3.20 | .48 | 3 . | 22 .01 | 3 .8 | 16.9 | .07 | 4.9.0 | 04 | 1 .16 | .002 | .02 | 6.5 | .6 | .02 | . 10 | 134 | 3.2 1. | 00 | .6 | 30 | | |
| JB 192 | 4.53 2 | 213.94 1 | 859.58 | 7316.1 | 18360 | 1.2 | 5.9 | 91 2.60 | 54.3 | <.1 | 84.9 | .1 | 2.3 | 71.22 | 9.02 7 | .77 | 8 . | 10 .01 | .5 | 2.2 | .04 | 8.9.0 | 09 | 1 .15 | .004 | .03 | 1.9 | .5 | 21 | 1.10 | 265 1 | .0 4. | 29 1 | 1.7 | 30 | | - 1 |
| JB 193 | 6.19 | 33.21 | 28.34 | 158.5 | 255 | 9.0 | 1.1 | 89 3.52 | 18.0 | .4 | 17.6 | .5 | 26.0 | . 65 | .33 | . 67 | 53 . | 08 .06 | 3 2.0 | 53.2 | 1.35 | 32.7 .1 | 29 | 1 .99 | .032 | .08 | 3.8 | 4.6 | 02 | 1.55 | 7 | 7.8 . | 59 3 | 3.6 | 30 | | - 1 |
| JB 194 | 2.05 | 66.52 | 21.43 | 64.5 | 444 | 16.2 | 7.3 | 126 5.66 | 5.7 | .2 | 65.1 | .7 | 58.6 | .41 | 1.35 | .21 | 61 . | 28 .08 | 1.4 | 35.2 | .76 | 43.3 .0 | 97 | 2 .79 | .044 | .02 | .3 | 4.4 < | .02 | 2.98 | 7 1 | 3.2 . | 53 4 | 1.4 | 30 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - 1 |
| JB 195 | 5.06 | 135.36 | 7.31 | 58.0 | 357 | 9.3 | 1.5 | 165 5.66 | <.1 | .3 | 37.4 | 1.0 | 32.7 | .09 | .81 | .93 | 67 . | 14 .05 | 9 1.7 | 56.0 | .81 | 58.1 .1 | 00 | 1 1.08 | .033 | .08 | 2.3 | 3.9 < | 02 | .82 | 12 3 | .0 . | 35 3 | 3.9 | 30 | | - 1 |
| JB 196 | .63 | 55.46 | 7.75 | 74.8 | 322 | 8.6 29 | 9.11 | 214 8.31 | 74.0 | .1 | 34.6 | .2 | 17.4 | .13 | .70 | .44 | 277 . | 44 .11 | 3 3.0 | 3.9 | 3.17 | 61.4 .3 | 79 < | 1 2.77 | .031 | .02 | .2 2 | 3.4 | .02 | 3.24 | 10 | 1.3 . | 73 11 | 1.6 | 30 | | 2.0 |
| JB 197 | 59.32 | 19.77 | 972.11 | 123.5 | 4557 | 1.7 | .3 | 35 1.45 | 288.3 | .1 | 119.9 | .3 | 4.4 | 1.00 | 8.00 | .53 | 6 . | 02 .01 | 2 .5 | 15.3 | .02 | 32.1 .0 | 04 | 1 .14 | .006 | .13 | 4.0 | .5 | .04 | .23 | 93 1 | 1.1 . | 91 | .5 | 30 | | - 1 |
| JB 198 | 3.05 | 6.19 | 9.09 | 32.6 | 545 | 17.8 14 | 1.3 | 353 4.48 | 9.3 | .3 | 26.8 | .5 | 58.5 | .04 | 1.21 | .67 | 111 . | 40 .08 | 3 2.4 | 79.1 | 1.48 | 61.4 .1 | 79 | 1 1.21 | .044 | .03 | .4 1 | 2.2 < | .02 | 2.33 | 7 1 | 2.9 . | 50 4 | 4.4 | 30 | | - 1 |
| JB 199 | 3.29 | 109.93 | 9.95 | 31.7 | 474 | 6.8 | 7.5 | 218 2.62 | 4.2 | .4 | 32.0 | 2.2 | 60.0 | .03 | .41 | . 15 | 52 . | 45 .11 | 3.3 | 17.6 | 1.37 | 204.7 .1 | 05 | 1 1.46 | .047 | .08 | 2.3 | 3.4 | .02 | 1.03 | 5 | 1.8 . | 13 3 | 3.9 | 30 | | - 1 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB 200 | 3.44 | 153.14 | 4.13 | 35.1 | 629 | 13.1 | 2.4 | 228 6.25 | 1.1 | .4 | 127.5 | 1.0 | 49.9 | .04 | 1.22 | .57 | 49 . | 27 .07 | 9 1.7 | 41.9 | 1.15 | 36.1 .0 | 74 | 1 1.09 | .008 | .03 | .2 | 2.5 < | .02 | .92 | 12 1 | 9.0 . | 81 5 | 5.6 | 30 | | |
| RE JB 200 | 12775 | 148.49 | 4.30 | | | | | 225 6.20 | 1000 | | | | | | | | | | | | | | | 1 1.07 | | | | | | | | | | | 30 | | |
| JB 201 | 2.40 2 | 388 . 66 | 4.62 | | | | | 443 2.76 | | | | | | | | | | | | | | | | 1 1.41 | | | | | | | | | | | 30 | | |
| JB 202 | | 31.43 | 2.55 | | | | 0.70 | 79 2.05 | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | - 1 |
| JB 203 | 5.52 2 | 034.17 | 3.72 | 25.3 | 2271 | 42.1 4 | 1.7 | 411 7.90 | 10.1 | .3 | 74.4 | .7 | 58.1 | . 17 | . 59 | .48 | 36 2. | 54 .072 | 2 3.6 | 43.7 | 1.02 | 24.3 .0 | 32 | 1 1.13 | .007 | .04 | 3.2 | 3.0 < | .02 | . 89 | 11 1 | .4 . | 58 5 | 5.4 | 30 | | |
| In | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB 204 | 1700 2000 7 | 743.95 | 3.35 | | | | | 208 9.62 | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | |
| JB 205 | 1000000 | The Man | 15.36 | | | | | 399 8.11 | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | - 1 |
| JB 206 | | 91.93 | 2.57 | | | | | 218 4.65 | | | | | | | | | | | | | | | | 1 .93 | | | | | | | | | | | 30 | | - 1 |
| JB 207 | | 390.59 | | | | | | 646 9.34 | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | |
| JB 208 | .92 4 | 081.30 | 1.86 | 94.3 | 1167 | 21./ 14 | 1.1 | 431 4.81 | 4.4 | .2 1 | 241.6 | .8 | 24.2 | .07 | .3/ | . 10 | /0 . | 40 .07 | 1 3.5 | 43.2 | .9/ | 10.1 .0 | 11 | 1 1.21 | .030 | | . 2 | 3.3 5 | UZ | . 25 | -5 | .9 . | 0/ 5 | 0.7 | '20 | | |
| JB 209 | 2.80 3 | 282.25 | 3.22 | 87.4 | 2053 | 20.9 16 | 5.1 | 684 6.96 | 17.9 | .2 | 636.7 | .8 | 52.9 | . 25 | .40 | .18 | 115 2 | 10 .079 | 3.4 | 62.8 | 1.41 | 13.1 .0 | 45 < | 1 1.72 | .027 | .02 | 1.4 | 7.5 < | 02 2 | 2.82 | 8 | 3.3 | 17 11 | 1.1 | 30 | | |
| JB 210 | | 111.60 | 2.96 | | | | | 73 2.37 | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | - 1 |
| STANDARD DS4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | | |
| J MUNITU D34 | 3,34 | | 31.23 | 130.4 | 200 | J., J. | | | 20.7 | 3.4 | 20.4 | 5.0 | 20.0 | 5,00 | | | | -1 .00 | 20.0 | | | | | 1.50 | | | | | - | | | - | - | - | | | \dashv |

GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HN03-H20 AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS. UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns. - SAMPLE TYPE: ROCK R150 60C

DATE RECEIVED: JUN 30 2003 DATE REPORT MAILED:

SIGNED BY ... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL ANALYSIS CERTIFICATE

901 - 1030 Burnaby St., Vancouver BC V6E 1NB Submitted by: John Boutwell

Northern Natural Resources Services PROJECT FRANKLIN File # A302440

SAMPLE! Ag N1 Co Hn Fe As U Au Th Sr Cd Sb Bi V Ca P La Cr Hg Ba Ti B Al Na K W Sc Ti ndd add g 5.0 19 3 < 1 4 03 .9 < 1 2.2 < 1 2.5 .02 .11 < 02 2 .11 < 001 < 5 1.4 < 01 3.5 < 001 < 1 < 01 624 01 3 1 < 02 .04 36 < 1 < 02 < 1 JR 211 8 37 26558 95 17609 15 5189 1 86931 6 1 40.5 1029 14 12 566 9 4.1 199 7 .3 7.4 43.59 16 49 55 15 11 .53 .076 .9 7.6 .07 15 7 .001 <1 .09 .004 .01 17.6 .5 .03 7 78 .817 112.0 14 78 17 JB 212 47 40 19395.50 24214.57 44281 1 99999 3.4 70.9 1548 8.36 501.1 21.7 312.9 .7 29.8 468.17 32.73 139.85 17 3.02 .210 2.5 19.2 .14 10.8 .001 <1 .11 .006 .02 4.8 3 .03 2.47 3192 290 7 34 26 1 4 3.14 5771 86 106.44 248.5 8924 14 5 26.3 1447 8.01 48.9 .9 7.0 .5 288.8 3.94 1.10 .66 99 2.77 .122 3.7 32.2 .22 17.0 .052 <1 1.64 .007 .18 9 3.1 07 5.17 28 10 6 47 6.0 JB 213 JR 214 15.63 2943.74 500.35 574 1 6277 11.9 17.5 359 3.04 23.1 .4 7.5 .3 10.1 2.80 .67 1.89 29 .05 .018 1.8 18.7 .07 147.9 .001 <1 .61 .003 .12 5.2 1.0 .05 .74 36 4.4 34 7.0 JR 215 5 27 414.10 69.46 169.3 3620 33.0 39 8 1362 19.28 568.4 .6 8.0 .6 13.9 .27 2.22 .83 409 .23 .108 2.9 37.9 .34 2.9 014 <1 2.67 .001 .04 4.3 6.5 .06 12.00 10 16 7 .27 12 4 JB 216 6 72 312.42 41.69 45.7 758 13.1 9.6 145 4 84 10.3 .5 30.6 .7 4.6 .22 .58 .24 91 .15 .067 2.8 47.2 .03 9.0 .082 <1 .05 .002 <.01 12.1 4.0 .03 1.28 14 2.9 .09 1.9 JB 217 18 5 545 9.0 7.0 40 3.59 15.6 .2 21.8 .1 1.9 .11 .41 .11 51 .03 .030 .5 25.8 .01 8.7 .017 <1 .03 .003 .01 2.5 2.0 .03 .92 13 1.9 .07 7 .IR 218 10.29 57.0 829 33.3 23.8 917 5.32 1.2 .4 22.8 .5 114.1 .26 .42 .24 165 2.09 .089 4.6 30.8 1.20 41.2 .192 1 1.02 .027 .17 .6 10.1 .06 4.30 20 18.8 .41 4.4 .30 965 22.62 42.3 1616 22.1 8.8 290 12.49 98.3 .7 142.6 .5 19.1 .10 2.66 .47 61 1.35 .566 11.2 23.5 .90 15.9 .076 1 1.43 .011 .07 2.2 4.5 .27 12.77 5 27.0 60 6.8 .30 1672 JR 220 7.6 1418 4.6 2.2 31 1.34 53.0 .2 31.6 .6 12.3 .07 2.98 1.42 9 .03 .049 1.5 10.3 .02 386.6 .009 1 .18 .004 .10 3.4 .8 .09 .15 198 4.6 JR 221 34.97 139.5 331 7.4 2.9 410 .99 21.1 .2 9.8 .3 10.4 1.26 1.15 .12 20 .39 .047 3.1 9.3 .28 88.8 .002 <1 .40 .002 .06 <1 1.1 03 03 13 JR 222 16.54 68.3 68 1.4 3.0 1218 2.30 1.5 2.2 2.3 2.7 12.4 .33 .77 .09 101 03 006 7.9 11.4 .05 102.4 .013 1 .25 .007 .03 10 1 .8 < 02 .01 5 JB 223 13.7 141 .5 1.3 312 1.55 .6 1.3 3.5 4.9 52.1 .10 .07 .06 .75 .07 .026 5.5 <.5 .01 65.6 .002 <1 .20 .026 .12 .4 4 < 02 < 01 7 1 < .02 8 10.52 411.67 1249 74 2242.1 7220 6.1 9.3 974 1.99 66.9 .1 7631.3 .3 20.0 19.68 2.79 .09 38 1.90 .062 4.0 11.8 .46 40.9 .003 1 .76 .013 .08 2.0 1.7 08 .16 65 1.7 .30 2.3 .30 2700 2334 8.62 400 57 3303.33 2509.8 11348 4.3 5.0 1044 1.37 75.2 .1 6473.2 .2 3.8 14.19 3.75 .09 28 .13 .036 2.4 15.9 .32 27.6 003 1 .56 .010 .06 4.0 1.4 04 2335 9 55 234.70 1649.25 2623.5 9132 3.1 7.1 1040 1.38 48.9 .1 3511.2 .2 6.5 21.07 4.09 .03 17 .42 .029 2.8 2.4 .26 33.5 .003 2 .51 .005 .08 .3 1.1 .05 2136 1 76 292.82 500.02 1125.8 2440 10.7 10.9 1361 2.44 111.1 .1 2196.0 .5 7.5 7.39 2.59 .04 63 .22 .084 5.0 10.2 .61 68.1 .005 2 1.04 .017 10 3.91 287 76 496.71 1111 2 2574 10 1 10.6 1334 2.41 107.1 .1 2830.6 .5 7.8 7.79 2.60 .04 61 .21 .090 5.1 10.4 .59 69.6 .005 1 1.00 .017 .12 2 3 0 09 04 45 5 12 3 2 39 21 01 2336 2337 4 61 134 52 245.34 135.6 1124 5.6 5.9 691 1.32 61.5 .1 200.0 .3 7.5 1.02 1.83 .04 33 .39 .051 2.2 14.8 .32 46.1 .003 1 .58 .012 .07 2.6 1.5 .05 <.01 17 4 .06 1.8 15 03 217.11 841.50 752.8 4651 4.7 8 4 1315 1.88 58.8 .1 3035.3 .3 4.7 5.12 2.66 .06 41 .18 .049 2.2 5.9 .44 42.4 .003 2 .87 .011 .08 .3 2.2 .06 2330 6.02 221.79 234.49 793 1 2894 9 6 16.7 1716 4.05 298.9 .2 85.0 .8 10.2 6.72 3.83 .08 137 .25 .114 5.4 22.8 1.38 57.2 .007 1 1.92 .023 .09 .9 5.8 .07 < 01 .27 2340 6.72 146.07 149.19 315.6 2189 6.1 8.4 602 1.88 141.6 .3 700.0 .3 4.5 1.72 3.06 .03 24 .11 .055 2.2 10.4 .23 52.6 .004 3 .67 .010 .12 21 1.5 .06 .05 24 .5 .07 1.6 2341 3 41 200.36 35.22 239.7 1592 15.2 22.8 1923 5.21 161.2 .2 86.0 .8 8.1 .98 3.16 .04 181 .28 .130 6.6 22.1 1.67 64.9 .011 1 2 49 .023 .10 1 7.4 .08 < .01 15 4 11 10 7 30 1000 967.0 7963 5.5 8.4 835 2.42 73.4 .2 100.0 .2 6.1 10.81 5.33 .03 29 .26 .049 4.3 3.1 .17 55.7 .007 2 .51 .005 12 .3 2.5 .08 .13 43 1.6 .08 1.7 2343 89.35 336 7 4064 13.4 14.3 1113 3.81 121.1 .2 71.3 .8 9.6 1.87 2.91 .06 128 .27 .136 8.8 17.6 1.30 50.5 .007 1 1.90 .024 .09 7 4.6 05 < 01 23 5 08 8.3 2344 17 67 275.07 658 98 288.4 15283 4.1 5.7 711 1.58 156.7 .3 20772.1 .3 3.2 2.20 3.47 .03 14 09 034 1.9 2.3 .10 33.6 .002 2 .35 005 .09 5 1.3 .04 165.13 30.95 174.7 1273 13.1 18.9 1568 4.73 88.9 .2 64.0 .7 9.4 .60 2.59 .04 186 .28 .140 6.4 21.1 1.58 72.1 .019 2 2.26 .023 .11 1 6.9 .06 < 01 14 4 05 9.8 2746 943.4 12063 3.2 4.8 623 1.16 28.0 .1 810.0 .1 3.3 4.52 4.09 .02 16 .08 .020 1.9 9.7 .17 28.3 .003 1 .33 .005 06 3 1 1.1 03 07 97 8 0.3 1 1 10 15900 44.14 569.2 295 15 0 25.6 2548 6.08 33.1 .2 8.6 .6 9.8 .90 1.16 .05 177 .25 .103 3.8 27.3 2.85 82.2 .006 1 3.81 .012 .13 .1 7.3 .12 <.01 7 2 04.11.5

GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HNO3-H20 AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS. UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. - SAMPLE TYPE: ROCK R150 60C

STANDARD USS 13.06 150.67 25.08 145.4 278 25.5 12.7 749 3.01 18.2 6.5 41.3 3.1 52.3 5.69 3.54 6.14 63 .79 .090 12.6 185.4 .69 138.9 .106 17 2.09 .036 .14 4.7 3.8 .97 .04 171 4.7 .88 6.6 30

DATE REPORT MAILED: July 22/03 SIGNED BY D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



Northern Natural Resources Services PROJECT FRANKLIN FILE # A3

LE # A302766 Page 2



| *: | SAMPLE# | Mo | Cu | Pb | Zn | Ag | Ni | Co | Hn | Fe | As | U | Au | Th | Sr | Cd | Sb | 81 | ٧ | Ca | Р | La | Cr | Hg | Ba | Ti | В | A1 | Na | K | w s | c T | 1 | 5 | lig | Se | Te | Ga Sa | ample 1 | int w | t |
|----|--------------|--------|---------|------------|---------|-------|------|------|------|------|-------|------|-------|-----|------|--------|--------|-------|-----|-------|-------|-------|--------|-------|------|-------|-------|--------|------|-------|-------|-------|------|------|-------|-----------|------|-------|---------|-------|---|
| | | UDu | bbw | ppm | ppm | . ppb | ppm | ppm | ppm | ¥ | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | * | \$ 1 | ppm | ppm | * | ррт | R | ppm | X | X | % pp | om pp | m pp | m | ž þ | ibp 1 |) Diam | ppm | DDw | gm | g | |
| | 2431 | 4 00 0 | 1004 10 | 20425 62 | 27471 0 | 43000 | | 21.2 | | 2.10 | | | | | 12.0 | 252.00 | | | | | | | | -22 | | | 120 | | | | | | | | | | | | | 100 | |
| | 2432 | | | 20475 . 67 | | | | | | | | - 05 | 146.8 | | | 253.33 | 0.0000 | 33.50 | 777 | 1000 | | | 9.0 | | | 10000 | | 60 .0 | | 07 1. | 4 2 | 2 .0 | | 86 4 | | | 1.0 | | 30 | 440 | 0 |
| | | | | 3407.95 | | | | | | | | | 209.9 | | | 18.68 | | | | | | | 15.2 | | | | <1 1. | | | | 것 보장 | | | | | | | | 30 | 260 | 0 |
| | 2433 | | | 1805:92 | | | | | | | | | | | | | | | | | | | 13.5 | | | | 1 1. | 67 .0 | 44 . | 13 1. | 3 4. | 6 1 | 0 . | 13 | 52 | 6 1 | .00 | 5.2 | 30 | 250 |) |
| | 2434 | 6.01 | 275.57 | 206.15 | 1442.1 | 1261 | 7.1 | 9.0 | 587 | 2.35 | 13.9 | .1 | 19.9 | .4 | 17.2 | 13.00 | 1.18 | . 29 | 42 | .32 . | 033 | 2.1 2 | 26.0 | . 69 | 21.8 | .077 | 1 1. | 11 .0 | 20 . | 11 5. | 6 2. | 8 .0 | 6 . | 27 | 67 | 1.2 | . 10 | 4.0 | 30 | 320 | 0 |
| | 2435 | 2.30 | 53.56 | 38.45 | 126.3 | 3411 | 7.4 | 18.6 | 1037 | 3.61 | 30.5 | .7 | 39.6 | .8 | 18.6 | .48 | .93 | .09 | 84 | .31 . | 073 ! | 5.9 | 20.1 | .94 | 68.5 | .095 | 11. | 71 .0 | 24 | 20 1. | 1 5. | 8 .1 | 2 . | 01 | 16 | _3 | .04 | 8.1 | 30 | 330 | 0 |
| | 2436 | 2.46 | 37.74 | 39.14 | 113.1 | 1892 | 9.5 | 20.9 | 1493 | 4.24 | 17.2 | .6 | 101.7 | .8 | 15.0 | .30 | .71 | .08 | 75 | .24 | 059 | 7.0 | 21.9 | .83 | 66.1 | 163 | 11 | 76 .0 | 18 | 24 2 | 4 5 | 1 1 | 15 | 0.7 | 13 | 1 2 | 12 | 7 9 | 30 | 180 | 0 |
| | 2437 | | 24.29 | 21.65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10.5 | 30 | 700 | 0 |
| | 2438 | 1.25 | 29.78 | | | | | | | | | | | | | | .48 | | | | | | | | | | | | | | | | | | | 2 | .07 | 0.7 | 20 | 370 | 0 |
| | 2439 | 9.93 | 100.09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | .00 | 7.7 | 30 | 330 | 0 |
| | 2440 | 5 58 | 166.65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 30 | 240 | 0 |
| | | 2.00 | 100.00 | 30.16 | 450.0 | 1643 | 0.7 | 23.3 | 2120 | 0.11 | 129.4 | . 2 | 9.4 | .5 | 23.4 | 2.47 | 2.75 | .03 | 198 | .01 | 152 | 8.5 | 11.8 2 | .52 1 | 15.4 | .107 | <1 3. | .58 .0 | 34 . | 49 | 7 12. | 5 .3 | 33 . | 08 | 17 | .9 | .03 | 13.1 | 30 | 310 | 0 |
| | RE 2440 | 5.40 | 162.37 | 30.45 | 426.0 | 1233 | 9.7 | 26.3 | 2152 | 6.17 | 133.1 | .2 | 8.4 | .5 | 25.8 | 2.43 | 2.67 | .03 | 202 | .62 | 157 | R 7 | 11 9 2 | 54 1 | 15 6 | 111 | 1.3 | 61 0 | 35 | 54 | 7 13 | 1 7 | 3.4 | ng | 12 | 1.1 | 0.4 | 12 1 | 20 | | |
| | JB 224 | 4.84 | 6.54 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 2 | .01 | 1.4 | 30 | 120 | |
| | JB 225 | 7.29 | 37.74 | 27.61 | 49.0 | | | | | | | | | | | | 1.77 | | | | | | | | | | | 20 0 | | | | 6 0 | 12 | 0.0 | 96 | | .05 | 2.7 | .30 | 1.30 | 0 |
| | JB 226 | .63 | 14.70 | 19.47 | 12.8 | | | . 9 | | .62 | | | | | 8.9 | | .08 | | 6 | | | | | | | | <1 | | | | | 0 .0 | 31 | 05 | 65 | . 5 | 06 | 3/ | 30 | 80 | |
| | STANDARD DS5 | | 100 | 25.27 | | | 1990 | | | | | | | | | | | | | | | | | | | | | | | | 0 7 | A 1.0 | 14 | 02 1 | 60 | 900 | . 82 | 6.8 | 30 | 130 | 0 |

Sample type: ROCK RISO 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Ausay gold > 3000 ppb in progress.

Assay recommend for 3n > 1%

Ph > 5000 pptn

Ag > 30 ppm

From ACME ANALYTICAL LABORATORIES LTD, 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT TO Northern Natural Resources Services PROJECT FRANKLIN

Acme file # A302836 Received: JUL 24 2003 * 23 samples in this disk file.

Analysis: GROUP 1F30 - 30.00 GM

| . mind and and | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------|-----|-------|-------|-------|-------|------|-------|------|----------|---------|------|------|------|------|---------|------|----------|-------|-------|---------|-------|---------|-------|------|--------------|-----|------|-------|---|-----------|-------|--------|-----------|------|------|-------|----------|
| ELEMENT | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Mg | Ba | Ti | В | Al | Na | K | W | Sc | TI | S | Hg | Se | Te | Ga |
| SAMPLES | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm |
| SI | 0 | 4 | 3 | 8 | 35 | 0.4 | 0 | 14 | 0.05 | 0.5 | < .1 | < .2 | < .1 | 2 | 0 | 1.13 | < .02 | < 2 | 0.09: | .001 | < .5 | 0.8 | 0.01 | 1.9 | 0 | < 1 | 0.01 | 0.44 | < .01 | 1.2 | 0.1 < | .02 | 0.07 | 46 | 0.1 | < .02 | < .1 |
| JB 227 | 2 | 529 | 18 | 127 | 2753 | 11.9 | 14 | 382 | 7.82 | 7 | 0.1 | 960 | 0.4 | 55.6 | 0 | 3.69 | 0.15 | 158 | 0.51 | 0.08 | 1.9 | 24.6 | 1.42 | 19.9 | 0.16 | 1 | 1.57 | 0.05 | 0.02 | 0.3 | 6.2 < | .02 | 0.33 | 243 | 1.8 | 0.2 | 6.8 |
| JB 228 | 4 | 1291 | 10 | 68 | 1433 | 17 | 12 | 147 | 4.12 | 5.1 | 0.2 | 267 | 0.7 | 53.3 | 0 | 1.84 | 0.25 | 81 | 0.46 | 0.09 | 2.6 | 49.4 | 0.76 | 34 | 0.17 | 2 | 0.78 | 0.05 | 0.03 | 2.6 | 5.2 < | .02 | 2.46 | 72 | 5.3 | 0.55 | 4.5 |
| JB 229 | 4 | 570 | 5 | 167 | 1254 | 28.1 | 11 | 716 | 5.63 | 5.6 | 0.1 | 666 | 0.7 | 46.6 | 0 | 0.88 | 0.19 | 115 | 0.49 | 0.1 | 2.8 | 52.7 | 2.53 | 35 | 0.19 | 1 | 2.48 | 0.03 | 0.03 | 1 | 5.8 < | .02 | 0.92 | 30 | 2.2 | 0.56 | 8.3 |
| JB 230 | 2 | 886 | 27 | 11 | 9346 | 1.3 | 1 | 39 | 10.5 | 46.5 | 0.1 | 1981 | 0.5 | 3.3 | 0 | 2.58 | 1.26 | 90 | 0.01 | 0.02 | 0.5 | 11.1 | 0.03 | 77.5 | 0.01 | 1 | 0.2 | 0.01 | 0.09 | 0.5 | 1 | 0.03 | 0.29 | 51 | 21.4 | 1.26 | 5.3 |
| JB 231 | 2 | 39 | 2 | 30 | 284 | 16.9 | 14 | 513 | 2.34 | 5.9 | 0.3 | 9 | 0.8 | 68.4 | 0 | 1.16 | 0.27 | 85 | 1.78 | 0.08 | 2.9 | 55.4 | 1.55 | 102 | 0.15 | - 1 | 1.47 | 0.04 | 0.05 | 0.4 | 61 | < .02 | 0.33 | 17 | 1.8 | 0.21 | 4.3 |
| JB 232 | 1 | 692 | 3 | 19 | 533 | 9.4 | 5 | 308 | 1.18 | 2.7 | 0.2 | 67 | 0.5 | 3 | 0 | 1.42 | 0.13 | 16 | 0.1 | 0.03 | 1.6 | 11.2 | 0.28 | 30.3 | 0.01 | < 1 | 0.41 | 0.01 | 0.05 | 0.2 | 1.4 | 0.02 | < .01 | | | 0.11 | |
| JB 233 | 2 | 11429 | 3 | 25 | 3214 | 13.9 | 28 | 174 | 8.92 | 9.6 | 0.2 | 2743 | 0.4 | 33.4 | 0 | 1.2 | 0.62 | 118 | 0.38 | 0.06 | 1.6 | 21.2 | 1.28 | 17 | 0.08 | 1 | 1.43 | 0.02 | 0.01 | 0.1 | 3.3 < | < .02 | 4 47 | | | 0.88 | |
| JB 234 | 6 | 3785 | 3 | 38 | 1392 | 20.5 | 19 | 176 | 2.45 | 2.5 | 0.3 | 1398 | 1.7 | 55.2 | 0 | 1.01 | 0.1 | 43 | 0.75 | 0.06 | 5.6 | 21.1 | 1.13 | 98.3 | 0.11 | 1 | 1.22 | 0.04 | 0.11 | 0.1 | 3.4 | 0.03 | 1 28 | | | 0.15 | |
| JB 235 | 3 | 797 | 4 | 25 | 526 | 19.2 | 17 | 237 | 2.12 | 2.9 | 0.4 | 37 | 0.7 | 82.2 | 0 | 1 | 0.19 | 89 | 3.4 | 0.08 | 6.4 | 51.8 | 1.63 | 92 | 0.17 | 1 | 1.37 | 0.06 | 0.05 | 0.2 | 8.3 | < .02 | 1 43 | 12 | 3.9 | 0.16 | 47 |
| JB 236 | 10 | 7173 | 2243 | 32515 | 3045 | 8 | 81 | 8722 | | 95.1 | | 18 | | 73.1 | 404 | 3.25 | 40.00 | 47 | 6.58 | | 27.5 | - | | 47.2 | 7.5 | | 0.44 | | | | 1.4 | | | | | 0.33 | |
| JB 237 | 6 | 1606 | 201 | 56304 | 5979 | 3.5 | 53 | 6247 | | 10.1 | | 25 | | | | 3.29 | | | 7.8 | | 2270 | | | 31.4 | | | 200 | | | - | 0.7 | | 7.7 | | | 1.09 | 11/2/201 |
| JB 238 | 48 | 24118 | 23622 | 99999 | 99999 | | 200 | 2319 | | 379.6 | | 352 | | 41.2 | - | 20.3 | | | 4.71 | | | 4.1 | | | | _ | 0.15 | | < .01 | | 0.3 | | | | | 33.8 | |
| RE JB 238 | 46 | 23542 | 23400 | 99999 | 99999 | - | 195 | 2201 | T. OTLET | 367.8 | | | | 38.5 | 200 | 19.5 | 7.77 | | 4.58 | | | | | 14.6 | | | 0.14 | | < .01 | -0.00 | 0.3 | | | 4828 | | 31.7 | |
| JB 239 | 3 | 208 | 192 | 670 | 1672 | 7.75 | 8 | 986 | 7270 | | 100 | 49 | | 48.5 | | 2.13 | | | 0.41 | | 23.20 | 2600 | | 82.2 | | | 1.98 | E0 | ment (State) | 27/27/4/4 | 7.2 | 277 | | 34 | | 0.18 | - |
| JB 240 | 4 | 13239 | 18 | 68 | | | 43 | 330 | | 12.4 | | 4609 | | 56.7 | | 0.00 | | | 0.59 | | | | | 12.7 | | - 2 | 1.52 | | < .01 | | 3.4 | | 300 | | | 1.19 | |
| JB 241 | 0 | 73 | 61 | 164 | | 27.8 | 15 | 1048 | | | 0.1 | | | 51.1 | - | 1.2 | | | | | | | | 83.1 | | - | 2.15 | | | 0.3 | 8.4 | | | | | 0.11 | |
| JB 242 | 2 | 162 | 447 | 802 | 1179 | | 6 | | 1.18 | | 0.2 | 3 | | 9.3 | | 0.84 | The same | | 0.09 | | | | | 7.1 | | | 0.17 | | 0.02 | | 0.7 | | | | 2.7 | | 1 |
| JB 243 | 4 | 11861 | 7 | 48 | 7824 | | 47 | | 10.6 | ver med | 1 | 1171 | | 63.9 | - 15 | 1.24 | 1.1 | | 0.53 | 1500000 | - | 48.2 | | | | | | | 0.7023 | | 3.2 | | | | | 1.9 | 5.8 |
| JB 244 | 2 | 1281 | 6 | 28 | 563 | 19 | 44 | 213 | | 14.9 | | 212 | | 55.3 | - 5 | | | - | 1.05 | | - 25 | | 22000 | | 1700 | 5 | 1.04 | 1000 | < .01 | | 4.7 < | Non-II | | 7.7 | | 0.58 | |
| JB 245 | 2 | 380 | | 125 | 769 | | 13 | 512 | | | 0.2 | 208 | | 73.5 | | 0.53 | 0.1 | | 0.78 | | | | | | | _ | 2.49 | | | | 8.9 | | | | | 0.13 | |
| JB 246 | 1 | 34 | 11 | 44 | | 10.7 | 13 | 238 | | 6.2 | | 208 | | 6.2 | | | 0.04 | | 0.14 | | - | | | 35.9 | 0.24 | | 0.48 | | 0.05 | | 1.3 | | | 9 | | | |
| AE 007 | 4 | 41845 | 6989 | 62032 | 76773 | | 16 | 256 | | 2.8 | | 57 | | 33.1 | - 10 to | 3.8 | | 10000 | 0.14 | | 537.5 | 1700000 | | 22.8 | 10 march 200 | - | 0.46 | | 100000000000000000000000000000000000000 | 100 | | 0.02 | | 4601 | | 0.44 | |
| STANDARD | 10 | 140 | | | 0.000 | | 0.273 | | | | 0.7 | 1755 | 0.00 | 48.4 | | 3.81 | | | 0.23 | | | | | | | | 2.05 | 40000 | 11111111 | | 3.6 | 9.55 | 175 25 20 | | | 0.83 | |
| STANDARD | 12 | 140 | 25 | 135 | 2// | 24.9 | 12 | 747 | 4.88 | 18.4 | 0 | 43 | 4.9 | 46.4 | - 3 | 3.81 | 0.19 | 39 | 0.73 | 0.09 | 14.0 | 184 | 0.00 | 133 | 0.1 | 18 | 4.03 | 0.04 | 0.14 | 7.7 | 3.0 | 1.00 | 0.04 | 1/1 | 4.0 | 0.03 | 0.0 |

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 @ CSV TEXT FORMAT TO Northern Natural Resources Services PROJECT FRANKLIN

Acme file # A302836R Received: AUG 12 2003 * 3 samples in this disk file.

ELEMENT Au**
SAMPLES gm/mt

JB 233 3.03 JB 240 4.92 STANDARD # 3.43

44

GEOCHEMICAL ANALYSIS CERTIFICATE

Northern Natural Resources Services File # A305104



| SAMPLE# | Mo ppm | Cu | Pb ppm | Zn ppm | Ag | N1 ppm | Со | Mn | Fe % | As | U | Au | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | | | Cr ppm | Mg E % pp | | | Na % | | | | | | | | |
|------------------------|-----------|----|-----------|-----------|-----|-----------|----|------|---------|----|-----|----|-----------|-----------|-----------|-----------|-----------|----------|---------|-----|----|-----------|------------------------------|------|--------|---------|-----|----|----|---|---|----|----|----|
| SI 2529 STANDARD | 1 76 | 64 | 202 | 16221 | 3.7 | 31 | 13 | 33/8 | 1.81 | 20 | <10 | <4 | <2 | 405 | 88.5 | 17 | <5 | 03 | 11 16 | 050 | 11 | 220 | .13 14 1.18 10 1.23 67 | 14 . | 2 1.31 | 9.98 | .20 | <4 | 82 | 2 | 3 | <2 | <1 | <1 |

Standard is STANDARD DST5.

GROUP 1E - 0.25 GM SAMPLE DIGESTED WITH HCLO4-HNO3-HCL-HF TO 10 ML. UPPER LIMITS - AG, AU, W = 200 PPM; MO, CO, CD, SB, BI, TH & U = 4,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. DIGESTION IS PARTIAL FOR SOME MINERALS & MAY VOLATIZE SOME ELEMENTS, ANALYSIS BY ICP-ES.

(ISO 9002 Addredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Northern Natural Resources Services PROJECT FRANKLIN File # A304806 901 - 1030 Burnaby St., Vancouver BD V6E 1NB Submitted by: John Boutwell

| SAMPLE# | Mo ppm | Cu ppm | Pb ppm | Zn ppm | Ag ppb | N1 ppm | Co | Mn ppm | Fe % | As ppm p | U pm | Au ppb p | Th om p | Šr opm | Cd ppm | Sb ppm | B1 ppm | V | Ca % | P | La | Ċr | Mg % | Ba | T1 | B | A1 | Na % | K W | Sc T1 ppm ppm | S % [| Hg Se | Te | Ga Samp1 |
|--------------------------|-----------|-----------|--------------|-----------|-----------|-----------|----|--------------|---------|-------------|---------|-------------|------------|-----------|-----------|-----------|-----------|-------------|---------|-----|-----|-----|---------|-----|------|----|-------|---------|----------|------------------|----------|----------|-----|----------|
| SI JK 001 STANDARD | .08 | 1.26 | .54 14.84 | 1.2 | 4 1150 | .3 | .1 | 10 2303 6 | .05 | .2 < | .1 | <.2 < | .1 6 | 3.3 < | .01 | .18 | <.02 | <2 . 251 | .29<. | 001 | <.5 | 3.1 | .01 | 5.7 | .002 | <1 | .02 1 | .138 | .01 < .1 | .1<.02 | .03 | <5 < .1< | .02 | .1 3 |

Standard is STANDARD DS5.

GROUP 1F30 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-HN03-H20 AT 95 DEG. C FOR ONE HOUR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS. UPPER LIMITS - AG, AU, HG, W, SE, TE, TL, GA, SN = 100 PPM; MO, CO, CD, SB, BI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM. - SAMPLE TYPE: ROCK R150 60C

DATE REPORT MAILED: Oct 21/2003 SIGNED BY MIL. J. . D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

APPENDIX 7

Analytical Results - Trench Samples

Samples 2333 - 2443

852 8 HASTINGS ST. VANCOUVER BG V6A 1R6 PHONE (604) 253-3158 PAX (604) 253-1716

Geograpi Call Anamerie Certivicate



| | | | | 40000 | | (A) | | | 2.50 | ~~ | | | | | 45 | | | | | | | × | 27.192.1 | 5-55-673 | | 202 | | | · Aram | | | 20.00 | ثيينة | 90,500 | *** | Access: | بينيني | .,, | idel |
|-----------------------------|--------------|-----------|---------------|----------------|--------------|----------|-------|--------|------------------|--------------|-------------|---------------|-----|--------------|-------|---------------|------------|------------|--------------|-------------------|---------------|---------------|------------|---------------------------------------|-------------|------|------------|------------------|-------------|----------------|----------------|------------------|-------------------|--------------|------------|----------------|--------|--------------------|-----------------|
| SMILLER | Me | Gr | | | e Ag | | Ce | No | Pe | At | | 4 | 10 | 50 | | * 1 | • | | ¥ | CI | | . (| - 1 | | | 1 | A | | K | W | Sc | 17 : | | . <u>5</u> e | 1 | e 6a5 | mk ' | fall set | |
| | - | | 1 | | | - | - | _ | | - | _ | - | _ | _ | | | | ر خد | | 1 | 1 - | | _ | | | - | 1 | 1 | 3 | | | _ | | - | _ | - | _ | an | |
| | | | | | - | | | | - | | | | | | | | | 7 | | | | | | | | | | | | | | | | . ,, | | - + | | | |
| SI | . 16 | .87 | 2.3 | 5 .0 | | | <.1 | 4 | .03 | | 4.1 | 2.2 | <.1 | 2.5 | | e .1 | 8 4 | | | . 18c. S | | 5 L | 4 < 1 | . 1 | 54 m | . 4 | <.∰ | 424 | .01 | .3 | .1 « | | | . < 1 | - 4 | 9 - 1 | - | | |
| JR 711 | 0.12 | | 17007.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - | 1010 | |
| JB 212 | | | 24294.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | _ | 1100 | |
| JB 253 | | | 106.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JB 214 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | # 4.4 M 2.6 | | 1575 | |
| | | C)-14.1-1 | - | , page . | | 11.7 | ₽.3 | | 3.64 | 25. I | .4 | 7.0 | | 30 .1 | 6.4 | | • | | • | . 45. | 1 . | | ., | 7 147 | ., . | . 4 | .0ŧ | | . LZ | 5.Z I | . U . | . .≯ | 31 | 4.4 | .3 | 4 2.8 | 38 | 460 | |
| JP 215 | 4 ** | 414.10 | | | | | | | · . | | | | | | | | _ | <u>.</u> | | | | | | | | | | | | | | | | | | | | | |
| .m 2% | | | | 1 195. | 3 3927 | 33.0 | 39.6 | 1365 1 | 9.35 | 100.4 | .5 | 3.0 | | 13.7 | | 7 Z.2 | 7 | # (| | .23 .1 | 3 2. | 7 7 . | . J | . 5 | .9 .01 | 4 | 2.67 | .991 | .94 | 4.3 6 | .5 . | OF 12.00 | <i>j</i> H | 16.7 | .ż | 7 12 4 | 38 | 1274 | |
| | | 312.42 | 41.0 | 43.1 | 7.00 | / 13.1 | 7.0 | 145 | 4.94 | 20.3 | .5 | 37.5 | .7 | 4.6 | | | | | 9 4 . | . 15 .0 | # 2. | • 47. | .2 .0 | 3 3 | .00 | . 4 | .45 | . 882 · | <. Pt 1 | 2.1 4 | | 43 1.20 | 1 1/ | 2.9 | | 9 1.9 | | 1314 | |
| JB 297 | _ | 111.50 | 17.3 | 1 18 .5 | 54 | 7.0 | 7.4 | - | 3.99 | 5.6 | .2 | 25.4 | .1 | 1.9 | | ŧ .4 | H . | .# | 舞. | . 4 .1 | | 5 5 . | | 4 8. | 7 .6 | * 4 | .6) | .003 | . 61 | 2.5 2 | | W .9 |) P | 1.9 | .0 | 7. 1 | 3 | 993 | |
| .M 210 | | 449.65 | 77. 27 | 57,0 |) 927 | 33.3 | 23.0 | 947 | 5. X | 1.7 | .4 | 2.4 | .\$ | 194. t | | 5 .4 | Ł | .# 1 | ii t | .00 | 9 4, | 4 3). | 1 1.1 | # 41. | 1.19 | t t | L税 | . 827 | .17 | .6 R | 1. | 86 4.31 | 1 2 | 14.4 | .4 | 1 4.4 | | 96 | |
| JE 219 | 4.63 | 46.10 | 28.0 | 47. | 1 16M | 22.f | 4.4 | SS# 1 | 2.4 | 9.3 | .1 | 142.6 | .\$ | 19.1 | | 1 14 | 5 | .# | # 1. | . 3 .5 | 66 11. | 2 21. | 5 .9 | 8 5. | 9.49 | 6 1 | t.4 | .001 | .07 | 2.Z 4 | . s . | 27 12.77 | , , | 27.0 | .0 | 4.0 | 38 | 1677 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| JP 779 | 4.10 | 22.42 | 33.25 | 7.0 | i MH | 4.6 | 2.2 | 31 | F. 34 | 53.0 | .2 | 29.6 | .6 | 12.3 | | 1.5 | | .48 | • . | .40 .9 | 9 Ł. | 5 20. | 3 .0 | E 386. | s .m |) 1 | .10 | .004 | . 10 | 3.4 | | 99 . 19 | ; P9 | 4.6 | . \$ | 3 .8 | .00 | 448 | |
| A 721 | 2.94 | 24.% | 37.91 | 139.5 | 331 | 7.4 | 2.9 | 400 | .99 | 1.18 | .2 | 9.0 | .J | 10.4 | 1.1 | 6 J.I | 5 . | .# | | | Ø 3. | 1 9. | 1 .E | | | 1 4 | .4 | .000 | .86 | <1 1 | . 1. | 6 0 .63 |) H | 4 | .0 | 5 1.3 | - | 1076 | |
| AR 822 | 4.54 | 330 . 66 | 98.96 | 48. ; | | 1.4 | 3.8 | 1290 | 2.3 | 1.1 | 2.2 | 2.3 | 2.7 | 程.4 | | ., | , | | | 4. 40 | 1. | 9 H. | 4 | 5 102 . | 4 .80 | | .8 | .est | .63 3 | 0.1 | . 8 <.1 | 47 .ai | | | - 4 | 2 5 6 | 100 | (2 01) | |
| # 72) | 59 | # 7 | 9.對 | 13.1 | 141 | .5 | 1.3 | 302 | 1.55 | .0 | 1.3 | 3.5 | 4.9 | 52. E | | | • | | 茜. | | 26 5.5 | s <. | | 1 6. | 6.00 | . 4 | .20 | .636 | .12 | .4 | 4 < | 10 e 10 | . 7 | 1 | e 9 | 5 A | | 1063 | |
| 2333 | 10.52 | 411.67 | 1949. M | 2242 | 720 | 6.1 | 9.3 | 974 | 1.99 | 86.9 | .i | 201.3 | .3 | 3.8 | 19.0 | 2.7 | • | | 3 1: | | 2 4. | • n. | 4 .4 | | | | .76 | .053 | | 2.0 1 | .7 | - | | | * | | - | 2788 | |
| | | | | | | | | | | | | | | | | | | - | | | | | • | | | | | | | | ••• | | - | | - | , | - | K144 | |
| 2334 | 1.42 | 488.57 | 3303.33 | 509.1 | 1130 | 4.3 | 5.0 | - | 1.1 | 8.2 | .4 | 6413 P | ٠, | 3.0 | 44.1 | | | • | • | 25 0 | | | | | | | 46 | - | - | | | | | | | 7 1.0 | _ | - | |
| 22% | 7.95 | 734.76 | 1611.2 | 2021.9 | | 3.1 | 7.1 | | 1 1 | #1 | - | *** > | • | 4 5 | 2 4 | | | _ | # · | | | | | | | | #1 | | = | • • | • | _ | - 574 | 2.0 | .23 | 2 1.5 | -77 | 726 | |
| 2336 | 3.76 | 74.60 | 900.00 | 1125.1 | 2000 | 90.7 | | 190 | 2.46 | 160 4 | | **** * | - | 7.8 | 7.1 | | | = | | * • | M 8: | | 9 40 | | | | | and . | | | | 97 62 Galacia | 141 | (.7 | Te | ? F.D | 38 | | |
| 21 M 27% | 3 11 | 707.74 | 95.71 | 1311 2 | 7374 | 10.1 | 10.5 | |) Al I | | | | | 7.8 | 7.8 | 24 | | - | - | * • | | | 4 4 | | | | | 881 | 19 | | | | - 44 - 44 | | . 13 | 3 3.3 7 3.2 | | | |
| 2 39 8 | 4.44 | 134.52 | 28.3 | 15.4 | 10.00 | 8.6 | 6.0 | 404 | 1 🕶 | - | 1 | - | | 7.5 | 3 44 | | | _ | • · | • | 13 1 4 | | • | • • • • • • • • • • • • • • • • • • • | | | | - 1007 - 1000 | - 142 | .e j. | | | - 11 | | 19 | 7 4.Z 5 1.E | | | |
| | | | | | | | 4.7 | | | | •4 | | | 7.4 | 3.4 | | • | | - | <i>ar</i> .w | | C pas | | | | | . 300 | | | r. w 1. | . e. | - T | 1/ | | |) F.E. | | 1/4 | |
| 2700 | K AL | 70 L | e4.9 | 789 4 | - | 4. | | - | | | | - | | 4 . | | | | - | _ | | | | | | | | _ | | | | | | | - 1 | | | _ | | |
| X330 | 4 40 | 201 20 | 251.49 | 190 | | | | H-113 | 1. 44 | - | | | | | 3. N | | | - | ¶ . | # .F | 7 4.4 | E 30.7 | , , , | | | | | PR. | | .3 2. | 2 .1 | | - 51 | .,9 | | 2.5 | | | |
| 2340 | | | 10.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4244 | |
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| 2300 | | | 3.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10.7 | 38 | 1900 | |
| | ₹. 77 | SAME . 43 | 100.3 | 70.0 | | 3.5 | 8.4 | - | 2.47 | 73,4 | .¥ | 111. | Z | 5.1 | 19.00 | 5.2 | | - | | . | 1,1 | 3.1 | 1 . 1 | | .00 | | .SE . | *** | . 12 | .3 2. | 5 .1 | . 13 | 43 | 3,6 | .00 | 1.7 | 38 | 4490 | |
| | | <u> </u> | | | | <u>.</u> | | | | | | | | | _ | | . ** | | | | | | | | | | | | | | | | | | | | | | |
| 73/0 | | 27.H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 4.3 | | | |
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| 2365 | | 146. [3 | | 114.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9.6 | . 📆 | 4690 | |
| 7304 | | 10%.04 | | 763.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | F.# | | 55/8 | |
| 2367 | 7.4 | 78.98 | 41.14 | 549.2 | 255 | 15.0 | B.4 2 | 54 1 | i. | 3 9.1 | .Z | 8.5 | .6 | 7.5 | .91 | 8.00 | | * | W .: | Š .M | 9. 3.4 | # 27.3 | 2.85 | 鞭. | | 1: | h.M | 612 . | . 13 | .1 7. | 3 .1 | 2 <.01 | 7 | .2 | .04 | 11.5 | 39 | - | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - | | | |
| \$1 ANDARD 1 955 | 13.66 | 199.67 | 5.8 | 145.4 | 276 | 25.5 1 | 12.7 | 749 2 | .01 | W.2 | 6.5 | 41.3 | 3.1 | 9 2,3 | 5.0 | 3.9 | 5 2 | şı (| i | 9 .69 | 12.6 | 385.4 | .09 | 128.5 | . 196 | 17 2 | . # | 636 . | .14 4 | .J 3. | ., | .04 | 171 | 4.7 | | 6.6 | 30 | | |
| | | | | | | _ | | | | | | | | | | · · · · · · · | | - | _ | - | - | | | | | | | | | | | | | | | | | | |

GH SAMPLE LEACHED WITH 186 ML 2-2-2 MCL-MNOS-M20 AT 95 BBM. C FOR ONE MOUR, DILUTED TO 600 ML; ANALYSED BY 1CP/ES & MS. UPPER LIMITS - AG, AU, NG, W, SE, TE, TL, GA, SH = 100 PPM; NG, CO, CD, SB, SI, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, NN, AS, V, LA, CR = 10,000 PPM.

ACMI ANALYTICAL LABORATORIES LYD. (186 9002 Ambredieni Co.)

152 B. BLASTONIOS BU. TANGCOTTER BG. V61 R6

| | SAMPLE# | Au** gm/mt | | |
|-------------|--------------------------------------|---------------------------------------|--|------|
| | 2333 2334 2335 2338 2344 | 9.15 5.43 4.53 4.02 25:32 | | |
| | STANDARD AU-1 | 3.33 | | |

GROUP 6 - PRECIOUS NETALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, AMALYSIS BY ICP-ES.

- SAMPLE TYPE: ROCK PULP

. P. 11 - F. A. 2018 A. 外伯

| | | | | | | | | | | | - | | | | _ | , | - | ,, | - | 11000 | - | | | | | 4 17-11 | | , | | | | | | | | | | | | 40.4 | | • | |
|--|-------|---------|-------|------|---|-------|------------|----------|------|--------------|------|-------------|-----|--------|----|------|------|--------|-------------|-------|----|----|------|------|------|---------|----------|----------|-----|------|------|------|-----|------|------|------|-----|------|-----|------|----------|------|--------------|
| 346/6 | | • | • | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - | - |
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| | | | | | 130°. h | | | | | | | | | | | | | | | _ | - | | _ | | 4.5 | - | | - | | | 244 | | 4 | 114 | - | 19 | * | 1. | - | 1.4 | • | 214 | _ |
| 2346 | | | | | 172.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 100 | _ |
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| | | | | | 267.7 1145.5 | | | | | | | | | | | | | | | | - | | | | | | | | | | | | | | | | | | | | | AN | - |
| 2362 | M.40 | | • | - | EPO-S | | B. | , , | 7 3 | # 2.1 | | | .1 | - | • | | | | | | | | | 1.2 | 1.7 | - | - | | • | . 72 | | | .2 | | | 1.10 | 137 | | • | .3 | - | 471 | - |
| 2353 | 24 44 | | | _ | M%.4 | | | | | | | | | rant s | | | . 19 | _ | | | - | 4 | Aca | | | • | - | | | 10 | - | - | 4.4 | | - | | - | 19 4 | 43 | | | 514 | _ |
| 2354 | | | | | 441.2 | | - | | | | | | | - , | | | | | | | | | | | | | | | | | | | | | | | | | | | | | ~ |
| 2355 | | | | | 100.4 | | | - | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 256 | | | | | 1416.3 | | | | | | | | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 38 | |
| 2350 | | | | | 127.1 | | | | | | - | | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 271 | - |
| ************************************** | \$.4X | | - | | 157.1 | - | 4. | 7. | 4 10 | | 4 | . | .5 | 91.4 | | • | | | | - 54 | - | - | | 7.7 | 4.4 | . • | 77.1 | -44 | • | 1.# | .433 | | .7 | 3.0 | - 64 | | • | ٠. | | 4.8 | - | en. | • |
| 2358 | | *** | | - | 297.1 | | | | | | | - | _ | ا بند | | | | Ξ. | | _ | - | - | - | | | _ | = 1 | | | 44 | - | - | | | 14 | - | _ | | - | | _ | | |
| | | | | | 157.1 120.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | = | | - |
| 2291 | | | | | 143.1 143.1 | | | | | | | | | | - | | _ | | | | _ | | | | | - 2 | | | | | - | | | | | | | | | | | - 49 | |
| 2300 | | | | | | | | | | , | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 434 | |
| 2364 | _ | | | | 1391.8 8.166 | | - | - | | | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - | _ |
| 2300 | 9.45 | 239.5 | | - | ., | . 434 | 3 . |) | | M 1-1 | | | .1 | 449.1 | • | g J. | • z | .44 | 3. , | .= | - | | .027 | Z.9 | 2.7 | | 49.1 | | | | | . 22 | -2 | 1.4 | | -41 | 39 | 1.6 | .21 | | | 350 | - |
| 2361 | | - | | _ | 99.4 | - | | | | | | | | - | | | | _ | 2 44 | - | | | - | | 15 1 | _ | | | | * | _ | _ | | | | 5 67 | 783 | 17 9 | | | - | 4 | |
| 204 | | | | | | | - | | | | . , | | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | _ | • | - |
| EE 2364 | | | | | | | | | - | | | | | | | | | | | | - | | | | | | | | | | | | | | | | | | | | = | . — | - |
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| | 4.85 | | . — | 2 | | | | • | 7 27 | | 7 74 | - | .# | - | • | . 4 | | | | | • | - | **** | | *** | - | - | - | | - | **** | | | *** | | • | | | | ., | - | | - |
| 2367 | | - | بخوا | _ | 200.7 | - | | | z 44 | | | | | - | | | | _ | 4 25 | | - | 1# | | 2.2 | - | * | - | | • | | .000 | | 4.4 | 1.3 | | .17 | 97 | 6.4 | .= | 1.5 | | 404 | |
| 200 | | | | | 9.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 24 | |
| 7360 | | | | | - X-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | 49.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 279 | J. # | 200 | | | - | - | | | T 35 | - | | | | | | 4 3: | | _ | 4 # | _ | - | - | | * * | M 4 | - | * | <u>;</u> | | | - | - | 4 | 4 9 | - | - | = | | - | 4.4 | - | | _ |
| 23/1 | 3.86 | 100.4 | 7 750 | uje. | 47. 7 | | • | | JV | 3 5.: | 7 4 | . , | | 440.0 | | 4 73 | | - | 7. 20 | .= | - | _ | | 749 | | .pr | - | | • • | | | | | 7.5 | | | _ | | | 410 | | | • |
| 2072 | | - | | _ | 127.2 | | • | | | | | _ | | | | | E | * | . = | 4 | - | | *** | ** | 44 | 2 = | 44.5 | | | 2.00 | | .5 | .1 | 11.3 | .11 | <.21 | 4 | 5 | ė | 9.4 | 3 | 231 | |
| | | | | | ## . P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - | _ |
| 29/2 | | | | | 辫.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | - |
| 2374 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - | |
| \$16 0000 (5 6 | D. 10 | 141.3 | | .5 | 137.7 | 2 | 35. | 12. | - 1 | | | 3 ,3 | 1.3 | 4.1 | 3. | | . 3. | # | 5.70 | | | - | | 11.0 | Z | .70 | 1.00.1 | | | 4.4 | .901 | | 7./ | | 4.44 | | | 7.8 | -76 | 9.7 | | | |

SROUP 1F30 - 30.00 ON SAMPLE LEACHED WITH 180 ML 2-2-2 HCL-MNC3-HZO AT 95 WEB. C FOR ONE HOLD, DILLYTED TO 600 ML, AMALYSED BY ICP/ES & MS.

UPPER LIMITS - AC, AU, NC, W, SE, TE, TL, GA, SH = 100 PPM; NO, CO, CD, SB, SH, TH, U, B = 2,000 PPM; CU, PB, ZH, HI, HM, AS, V, LA, CR = 10,000 PPM.

- SAMPLE TYPE: ROCK R150 600 Senting the institution (NE' are Region and (NE' are Region).

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or July 22/03

VEN EG VOK 176

PROME (664) 253-3158, PAZ (604) 253-171

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SERVICE DEPUTATI

U 1864 LA392525

2002 2370 7300 5.14 元明 25.25 200.3 334 46.6 36.2 2000 2.54 200.4 .3 5.6 3.6 30.5 30.3 2.5 4.5 (3) 25.5 (3) 25.5 (4.7 (3) 45.7 2101 2.6 (24. 年) 2.6 (24. 12. 25. 7.4 (25. 7 230 235 235 17.9 開月 謝 97.9 4.8 200 2.6 2.8 .3 2.4 3 9.2 .4 .3 9.2 .4 9 2.2 .45 5.4 4.8 20.3 5.0 4.1 20.4 4.1 3.5 7 16 17 4 3 4 5.2 8,5 10, 5, 52 20, 11 2 . C2. 250, 10,1 20 41.2 . C2. 250, 10,1 20 41.2 . C3. 25. 10.1 (0. 10.4 4.2 . C3. 25. 10.4 (0. 10.4 4.2 . C4. 25. 10.4 . C4. 25. 10.4 (0. 10.4 4.2 . C4. 25. 10.4 (0. 10.4 4.2 . C4. 25. 10.4 (0. 10.4 4.2 . C4. 25. 10.4 . C4. 25. 10.4 (0. 10.4 4.2 . C4. 25. 10.4 . C4. 25. 10.4 (0. 10.4 4.2 . C4. 25. 10.4 . C4. 25. 10.4 (0. 10.4 4.2 . C4. 25. 10.4 . C4. 25. 10.4 . C4. 25. 10.4 (0. 10.4 4.2 . C4. 25. 10.4 . C4. AN THE MAN THAT SHE RATE OF THE AND A SHEET A SHEET AS 6年 京祭 · 祝美 · 72 · 66 · 1.5 · 1.2 · 1.4 · 1.2 · 1.4 · 1. · 2.4 · 1.6 · 2.4 · 1.7 · 1.4 · 2.4 · 1 2766

GROUP 1730 - 30.00 ON SAMPLE LEACHED WITH 180 ML 2-2-2 MCL-MINIS-RED AT 95 MES. C FOR ONE MURR, DILUTED TO 600 ML, ANALYSED BY ICP/ES & MS.

UPPER LIMITS - AG, AU, MS, W, SE, TE, TL, GA, SH = 100 PPN; NO, CO, CD, SS, DI, TH, U, B = 2,000 PPN; CU, PS, ZH, HI, MM, AS, V, LA, CR = 10,000 PPN.

- SAMPLE TYPE: NOCK R190 60C TOTAL METERT FOR MUCK SAMPLES. SAMPLES. SAMPLES WITH MINISTRACE MANAGEMENT AND MANAGEMENT AND MANAGEMENT AND MANAGEMENT.

DATE RECEIVED: AR 11 2005 DATE REPORT MAILED:

July 25/03

SECRED BY CYTTHE D. TOYE, C.LEGIG, J. WANG: CERTIFIED B.C. ASSAYERS

ACME AMALYTICAL LABORATORIES LTD.
(180 9002 Accredited Co.)

3.4 1. HASTINGS ST. YANGGUVAR BG. V6A 1R6

PHONE (604) 253-3158 FAX (604) 253-1716

OKOGHICIELIS AND MIGE CHRELPECATS

MANIAN Pile # A302766

Page 1

.5 <.1 3.0 G 3.87 9.9 .5 m2.4 1.09 2.07 mg 404.00 (071 4.5 90.9 1.51 74.7 (050 1 2.00 1.05 1.25 1.6 5.5 1.9 1.05 146 1.0 1.04 6.7 20 2500 47.4 1.2 19.5 4.00 12.20 At 00 .37 .300 13.7 30.3 1.00 00.7 .002 2 1.55 .005 .25 1.5 2.5 .25 .25 .25 .27 1.0 .11 4.3 30 5000 2100 .554.1 M.RF 5.25 .00 -20 4.20 .002 4.5 15.7 .33 45.7 .002 2 .00 .003 .12 1.1 2.1 .10 .07 95 1.1 .20 1.9 .00 400 1.61 290,95 HSSD 42 425. S 150,450 24 7.0 25. S 150 45. 4.6 MAN 2583.4 2023.7 9000 3.7 17.7 20 2.07 182.4 .2 2023. 1. 6.8 10.47 184.3 .00 3 .25 .00 7 6.2 .07 25.1 .00 2 .2 .20 .00 1.2 .1 .00 2.00 194 47.4 4.30 1.2 .30 4.00 (Fig. 4) 400.4 (400.4 (2005) 1.7) 1 (200.4 (2004) 1.0 (2004) 1.3 (2004) 1.0 (2004) 1.0 (2004) 1.0 (2004) 2.75 1965.52 1986.64 1987.7 3500 6.4 52.2 406.2.3 186.7 . 2 176.3 . 2 4.3 187. 6.6 2 2 4.5 184 2.7 6.3 52 27.6 36 5.8 1200.79 2002.05 2009.4 2009.2 2.7 00.4 200 2.85 1.3 <1 2004.9 <1 5.8 1101.07 201.02 6/8 <2 .03 .001 .7 2.9 .00 52.6<.001 1 .85 .001 .03 1.3 ..2 .31 10.42 M20 112.7 17.27 1.1 ME PAR 201 2617 MILE 2454 1.第 300. 20 M. 15 M. 16 M. 16 M. 16 M. 16 M. 16 M. 17 M. 17 M. 17 M. 18 245 4.数 数数 数数 数数:数数 9.7 9.8 70 1.30 20.2 3、 数点 3.5.5 4.2 5.10 基 第 2 数 数 4.5 数 4.5 数 4.5 00 2 3 4.6 1.6 05 第 73 6.35 ann. 19 7.91 2872.01 2879.05 9002.5 3000 3.7 9.2 202.1-02 202.1 32 100.0 1. 3.5 52.75 28.75 28.75 28.00 1.2 28.5 100 28.9 100 1 16 100 105 19.9 16 1.0 19 719 6.3 1.12 2021 3.72 max. 153.47 713.97 9.5 7.6 725.13 201.6 A 96.2 .5 8.4 9.64 3.65 A 25 .38 .00 4.5 (8) 1.8 48 .00 1 .45 .00 11 65 1.2 .65 .07 40 1.00 (1.00 to 1.00 to 5.44 2003.13 4003.75 4003.2 2007 5.2 27.9 404 5.25 101.6 .4 1003.4 .2 2.1 77.25 12.19 .00 2.0 (83.1 .0) 2.0 (83.1 .0) 2.0 (83.1 .0) 2.17 .00 .05 6.4 1.0 .05 .39 675 4.6 2.04 SERVIN STREET OF SERVIN STREET OF SERVIN STREET OF SERVIN SE

GROUP 1930 - 30.00 GM SAMPLE LEACHED WITH 180 ML 2-2-2 MCL-MM05-M20 AT 95 MMB. C FOR CHE MOUR, DILLITED TO 600 ML, ANALYSED BY ICP/ES & MS.

UPPER LIMITS - AG, AU, NG, V, SE, TE, TL, GA, SM = 100 PPM; NO, CO, CD, SM, SE, TH, U, B = 2,000 PPM; CU, PB, ZN, NI, NM, AS, V, LA, CR = 10,000 PPM.

- SAMPLE TYPE: NOCK R158 60C Samples Designing (NE' are Refuse and (NE' are Refuse).

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SIGNED BY

.D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



MITE . 1431 2432 M.D. 1742.94 1085.92 2003.4 4005 7.7 19.6 21% 3.41 28.1 28.1 28.3 28.9 22.72 1.00 4.00 26 18.6 18.6 18.5 32.0 18.0 19.00 19.1 1.5 4.6 10 125 52 5.6 1.00 286.15 1492.3 1287 7.1 9.6 907 2.25 15.9 .1 39.9 .4 37.2 19.00 1.16 .29 40 .22 .839 2.1 36.0 .00 21.6 .007 11.18 .000 .11 5.6 2.8 .06 .27 67 1.2 .30 4.8 2436 # 1.1 5.1 12 OF # 1.71 AW . # 1.1 5.1 12 OF 21.65 M3.4 MR 9.4 21.3 MW 4.21 28.1 .5 51.5 1.1 13.6 15.95 111.4 1009 12.0 17.5 1012 4.30 6.5 .5 30.5 1.1 16.4 .30 .40 .40 56 .53 1070 7.0 37.0 17.9 177.6 .500 1 2.71 .006 .59 1.0 6.0 .50 <01 8 .2 .00 9.7 2430 2439 ME 2446 49.0 149 14 2.1 5324 19.02 20.1 1.3 4.4 4.1 12.4 22 1.27 1.27 1.27 3 32.41 20.5 1.0 2.5 1.0 2.5 1.0 5. # 25 JB 226 \$100,000 005 12:30 136:52 20:30 132:6 200 24:3 11:9 772 2:00 36:5 62:3 27.7 27.3 5.67 3.62 5.00 30 .77 .005 12:4 106:00 36:10 134 7.007 136 2:00 .00 .34 4.9 3.4 1.64 .02 100 4.9 .02 6.8

Sample time: MRE ARRE GEC. Samples buttering "ME" are florent and "ME" are ficient florent.

Assay recommend for 3001%

Assay recommend for 30 7 1%.
Pb > 5000 ppm

Ag > 30 ppm

Data KFA __

CHART & . PRESENT WITHE BY LINE LANGE SAME TAIT. MORLE, MALTES BY 169-65.

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APPENDIX 8

Analytical Results - Diamond Drill Core Samples

Samples 2444 - 2553 (except 2529)

| | Major real Wage 5 | AC . XE 101 | 2. 1 and 14. 25. | | |
|-----------------------------|-------------------|---|------------------|------|--------------|
| | | | | | (60)/1603716 |
| e (eestimatere (eestimater) | | | | | |
| | | 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | | | AA |
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| State of the state of | A. C. | 2 7 W. | att of the second | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | 400 | | | ************************************** |
|---|-------------------------------|---|---|------------------------|---------------------|----------------------|---------------------|---------------------|----------------------|---|-----------------|------------------------|------------------|--------------------|------------------------|---------------------|---------------------|----------------|--------------------------------------|----------------------|-------------|------------------------------------|----------------------|------------------|---------------------------------|-------------------------|----------------------------|-------------------------|--|--------------------|----------------------|-----------------------|---|--|
| SHALES. | Ph) ppm | Cr ppin | Pb D\$M | | | | Ca | | Fe 1 | As ppn | | | Th pph | | C) | | | | Ci 1 | | Là ppin | C) | 7 | bin pr | Ti | | | | iaber bibe A Hi | | | S G | | Sample gm |
| \$1 2444 2445 2446 2446 2447 | 1.3 1.4 1.1 | 1.5 138.9 5707.4 209.2 105.2 | 4.5 13.7 >999 523.7 195.7 | 699 31170 943 | .5 99.6 1.0 | 17.3 9.6 10.6 | 30.8 21.2 | 1004 494 1163 | 4.90 5.24 5.54 | | .1 | 13.6 517.9 10.1 | .5 .1 .4 | 46 9 63 | 3.8 287.3 18.1 | 1.7 8.9 1.6 | \$. \$.\$ \$. | 174 期 27 | .13< 1.93 .35 2.72 3.46 | .114 .050 .107 | 5 2 4 | 3.4 24.5 8.3 17.8 17.0 | 2.11 1.08 1.89 | 119 42 112 | .008 .012 .111 | 1 2.6 1 1.4 2 2.6 | .06: 7 .01! 1 .08 | 23 .07 .42 | <.1<.01 .6 .01 .7 .45 .7 .01 | 7.4 5.2 10.9 | .3 1 .2 2 .4 1 | .04 1 .99 .11 1 | | 2200 700 1700 1000 |
| 2448 2449 2450 2451 2452 | 1.6 1.6 | 163.8 26.4 431.4 90.6 2856.5 | 279.5 27.1 694.7 101.4 428.6 | 122 2009 373 | 3.9 1.0 | 12.6 3.7 9.3 | 4.3 1.8 3.7 | 953 200 594 | 1.20 .66 1.16 | 43.4 30.9 57.4 | .1 | 4.5 31.6 | .5 .1 .\$ | 84 21 49 | .7 17.0 3.9 | 1.6 5.1 2.5 | <.1 <.1 | 4 21 | 5.87 1.34 | .060 | 5 1 4 | 24.4 12.9 | .93 .09 .55 | 24 10 29 | .004 .001 | 1 .8 2 .1 1 .6 | .00. 0.00. 0.00. | .04 1 .02 2 .07 | .6 .0: .2<.0! 1.2 .1: .2 .0: 1.1 .1: | 2.5 .4 1.7 | <.1 <.1 | .13 .46 < .15 | 2 .6 | |
| 2453 2454 2456 3456 2457 | 2.9 2.1 4.3 | 5061.7 192.1 | 1287.4 5962.2 181.1 3791.3 26.3 | 39406 1117 15483 | 37.6 1.9 27.7 | 4.1 6.7 5.8 | 27.1 4.3 | 257 802 260 | 1.95 1.49 2.24 | 54.7 88.8 | .1 | 30.0 30.0 671.2 | <.1 .3 <.1 | 14 : 44 17 : | 369.0 11.0 147.9 | 21.8 0.5 13.1 | 4.1 1.0 | 17 7 | .95 3.45 | .007 .072 .009 | 1 3 1 | 11.4 13.3 14.5 | .09 .19 .12 | \$4 \$3 16 | .001 .001 .001 | 1 .1 <1 .3 1 .3 | 9 .00: 9 .00: 9 .00: | 2 .01 2 .05 2 .01 | 1.4 .7 | 1.1 | <.1 2 .1 .1 1 | .06 ,30 .86 | 2 1.6 1 7.8 1 .7 1 6.0 6 1.7 | 2000 |
| 2458 2459 2466 2466 SE 2468 SEE 2468 | .9 .8 6.9 6.8 6.8 | 91.2 79.8 85.5 85.2 86.9 | 102.9 15.5 51.5 54.6 51.3 | 142 127 123 | .3 1.1 1.1 | 35.1 16.6 15.6 | 10.9 6.6 6.7 | 779 612 606 | 3.25 1.77 1.77 | 40.4 54.8 133.3 129.3 138.5 | .3 | .7 61.8 69.5 | .9 .3 | 50 86 87 | .5 1.6 1.0 | 1.6 2.6 2.6 | .2 *.1 *.1 | 50 12 11 | 2.16 2.44 4.73 4.72 4.87 | .053 .053 .052 | 12 3 | \$5.1 14.3 13.6 | 1.59 .25 | 門所 | 661 661 | <1 1.9 1 .4 1 .4 | 5 .010 7 .000 5 .000 | .26 2 .13 2 .13 | 1.4 .0: .1<.0: .6<.0: .6 .6: | 5.2 1.3 1.4 | .2 .1 1 .1 1 | .61 .31 .26 | 1 .7 6 3.4 1 1.6 1 1.3 1 1.6 | |
| | 9.6 13.2 2.2 | 44.9 43.9 4275.1 367.8 4321.2 | 49.9 90.3 >9990 116.1 3816.0 | 243 41943 555 | .7 38.9 2.0 | 19.2 11.8 19.4 | 6.2 20.3 4.9 | がはの | 1.31 2.11 1.25 | 415.5 | .7 .5 | 18.6 004.9 00.0 | .\$ | 64 44 99 | 1.0 371.2 4.6 | 3.4 19.5 3.6 | .1 | 117 | 7.47 3.68 6.13 | .872 .841 .866 | 3 | 18.6 11.8 7.2 | .40 .11 .10 | 39 .39 .24 | .001 .001 | 4 .6 1 .2 1 .2 | .00. 1 .00. 1 .00. | .07 | .2 .1! .3 .0! 1.7 .64 .2 .00 1.2 .5 | 1.5 .8 1.0 | | .税 .况 .料 | 1 .9 2 1.5 1 18.6 1 .9 1 6.6 | 5300 |
| 2466 2467 2468 2469 2479 | 3.3 7.1 45.2 | 1446.9 2970.1 99.9 6960.5 315.7 | 215.1 | 27746 594 24166 | 48.8 1.4 39.3 | 5.1 15.1 12.2 | 17.5 5.3 18.7 | 755 1321 577 | 1.45 1.46 2.67 | 340.4 200.5 257.8 | .1 .5 1.0 | 946.3 46.1 448.5 | .1 | 40 92 41 | 247.3 4.4 218.2 | 1.8 1.1 1.1 | .1 4.1 .2 | 3 17 11 | 3.75 11.95 3.14 | .066 .066 | 2 5 2 | 10.5 10.5 9.2 | .34 .34 | 17 35 13 | 901 901 901 | 1 .1 4 .5 4 .2 | 5 .805 3 .805 1 .005 | .87 | 1.4 .5 | .5 1.8 7 | .1 1 .1 .1 Z | .97 .45 .37 | 1 2.4 1 10.7 2 1.5 1 6.9 1 1.1 | 700 4600 1900 1100 5200 |
| 24771 2472 2473-A 2473-B 2474 | 3.6 3.6 1.7 | 97.1 2231.4 119.1 | \$680.4 73.2 4762.4 27.8 1860.8 | 586 4258 636 | 22.1 1.1 | 15.9 10.8 45.9 | 5.6 0.4 36.7 | 869 1800 2708 | 1.29 4.89 7.12 | 135.4 | .5 | 1.9 145.6 -16.6 | .3 | (Z) 55 | 9.5 | 1.5 5.3 2.7 | 1.7 1.1 | あわら | 7.78 8.45 5.36 9.75 2.86 | .847 .855 | 4 4 5 | 20.1 16.3 30.6 | .39 14. 1.25 | 37 | 100 100 100 100 100 | 1 .5 | 004 7 .004 7 .015 | .11 | .8 .07 .3 .07 .3 .14 .6 .94 | 1.9 2.7 5.1 | .1 2 | .46 .96 .74 | 1 12.1 2 1.8 3 9.3 6 11.6 2 4.3 | |
| STANDARD | 11.9 | 136.0 | 25.3 | 138 | .3 | 24.4 | 11.9 | 748 | 2.84 | 18.9 | 6.2 | 42.5 | 2.5 | 46 | 5.4 | 2.7 | 6.3 | 56 | .73 | .091 | 12 1 | 180.8 | .64 | 139 | 693 | 16 2.0 | .034 | .13 | 5.0 .16 | 3.6 | 1.1 < | .05 | 5 4.8 | |

Standard is STANDARD DS5.

GROUP 1DX - 8.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 MCL-MIGH-M20 AT 45 DEG. C FOR CHE HOUR, DILUTED TO 10 ML, AMALYSED BY ICP-MS.

UPPER LEMITS - AG, AU, MG, W = 100 PPH; MD, GO, CS, SB, MI, TW, W & B = 2,000 PPH; CU; PB, 2H, MI, MM, AS, V, LA, CR = 10,000 PPM.

- SAMPLE TYPE: COME RISE 60C SAMPLEN MIGHINGIAN /ME! AND MARKET MAY RELIGIOUS REPORTS.



Northern Natural Resources Services PROJECT FRANKLIN FILE # A30

E # A304805 Page



| - | | | | | | _ | | | | - | - | | | | | | | | | a remake | | ari vi | | - | | | | | | | | - | | | | | | | _ | | | | | | KA |
|------|--------------|-------------|------|-------------|-----|------|-----|-----|------|-----|-----|------------|------|------|--------------|-------|-------|-----|-----|-------------|------|--------|--------------|----------|-------|-------|-----|--------------|------|--------------|------------|-----|------|------|-------|------------|------|------|------------|------|-----------|-----|-------|-------|-----|
| 48.2 | SAUPLES | M | _ | Cu | | | Zn | • | | | Co | Mh | | | AL | Ù | Au | 17 | ŝ | ŕ | Cd | \$ | | ¥ | Cá | P | La | | | b 1 | | | | AT | Na | | | _ | | 71 | \$ | Ga | Se | Samp1 | e |
| | | pp | | pp - | А | | pp. | bbw | PP | , | 7 | Pp. | X | | | | , pe | | | a p | - | , | | | X | 1 | | , pp |) | 2 pp | | X (| pp. | * | _ 1 | - 1 | ppm | bter | bbs | blan | - 3 | bbs | bibio | g | |
| | 2475 | 5 .9 | | 54.6 | 112 | . á | 793 | 1.8 | 18.9 | 9 4 | 6.8 | 167 | 2.66 | 211 | .4 | .Š. | 1.3 | .4 | | 2 2 | .5 (| i. 2 | | 22 | £.70 | 647 | 5 | 19.0 | | 44 5 | Mo. 1 | 100 | 1 | 97 | 002 | 200 | | 62 | 1.8 | 3 | Q1 | , | 7 3 | 480 | Δ |
| | 2476 | 6. | 1 1 | 14.4 | 150 | ĭ | | 1.2 | 15. | ă i | | 87.3 | 2.28 | 351 | . 1 | 4 | 41.4 | | 10 | 5 4 | ž | | ï | 7 | 6.23 | .043 | Š | 17.4 | | | Be i | BÓI | 2 | | | | | | | .1 | | | | | - |
| | 2477 | 4. | | 6.1 | 144 | 7 | | Ĭ. | 15. | ġ į | 5.7 | 1071 | 1.42 | 157 | | Ä | 4.4 | | 14 | Í | . o | 14 | Ä | 3 | 9.43 | .054 | Š | ZZ. 4 | ij | <u> </u> | ele i | 201 | ī | .75 | .006 | | .6 | . 23 | 2.8 | ·; | .51 | - | 2.1 | | - |
| | 2478 | 3. | Š 9 | 19.7 | 176 | 3 | 441 | .6 | 21. | ĭ | 7.8 | 693 | 1.46 | 121 | Ž | | S4.4 | | Ŧ | 3 | Ě | 1.2 | ž | 11 | 5 77 | . 643 | 5 | 34.7 | | | | | ī | 83 | 909 | 18 | | 87 | 23 | ·; | . 49 | _ | 2.4 | | • |
| | 2479 | 2. | 6 | 9.1 | 47 | 7 | | ., | 10. | Š | .5 | 677 | 1.47 | 166 | i. | Ě | 45.4 | 1 | | | ž |).Ž. | 4.1 | 12 | 5.50 | . 424 | 3 | 16.3 | | 24 1/ | 24 | Mi | ī | | .002 | | | | | | .65 | - | 1.3 | | - |
| | | | - ' | | | - | | •- | | - | | | | | | | | | | | | | - | | 7.00 | | _ | 2010 | • | | · · | | • | | | | | . 72 | | • • | | • | 1.0 | , 10 | • |
| | 2400 | 2. | 8 3 | H.9 | 129 | 9 | 290 | .7 | 8. | 5 (| 5.4 | 1502 | 1.64 | 368 | . \$ | 1.8 | 28.7 | .2 | 16 | 1 2 | .Ś : | 1.5 | .2 | 24 | 13.72 | .051 | 6 | 16.7 | 7 | 49 (| 79 .I | 905 | 2 | .70 | .002 | .96 | .5 | .05 | 1.6 | 1 | . 50 | 2 | 1.5 | 400 | |
| | 2481 | 3.1 | | 5.8 | 72 | .8 | 236 | .6 | 13. | 9 | 1.7 | 984 | 1.21 | 100 | 5 | .\$ | 2.1 | 4 | 13 | 2 1 | . 6 | 3.7 | ₹.1 | | 9.57 | . 63 | | 13.4 | ٠. ا | <i>t</i> i 2 | de. | 101 | 1 | .63 | 002 | . Č | . 7 | .01 | 1.6 | 1 | | | 1.8 | | |
| | 2492 | 4. | Z 34 | H.8 | 88 | .1 1 | 33 | 1.0 | 18. | 4 | 7.1 | 1348 | 1.55 | 18 | ., | .1 | | | 11 | 2 13 | .4 | 1.7 | - 1 | Ď | 7.37 | . 645 | - 6 | 27.1 | | 30 1 | Me. | 101 | 2 | .74 | .002 | .12 | . 8 | .03 | 2 4 | 1 | | _ | 2.1 | | - |
| | 2493 | 3. | | 5.6 | 29 | 2 | 131 | .4 | 21. | 7 | 7.7 | 995 | 1.65 | 170 | . . . | Ţ, | <. | | 11 | j | . j | 2.3 | Ä | 7 | 1.79 | .093 | Š | 40.2 | | | De. | 861 | ī | .86 | 804 | 86 | , Ba | 61 | 3 1 | ī | | _ | 2.2 | | - |
| | 2494 | 2. | 6 (| M.5 | 67 | . Š | 202 | .6 | 25. | 1 1 | 1.7 | 1040 | 2.22 | | ī. ā | 1.8 | 87.1 | | Í | ìż | . Š | | . 3 | | 9.24 | 873 | Ě | 48.6 | | 74 3 | M . | 135 | ٠ī٠ | 1 23 | 831 | 13 | 1 0 | : D1 | 3 6 | - 1 | . 54 | | 3.3 | | • |
| | | -" | | | | | | | | - ' | | | | | • | | | | | | | | | - | | | _ | | • | • | • | | - | | | | 1.0 | | 4.7 | • • | . 440 | | 0.3 | 340 | • |
| | RE 2494 | 2. | 5 (| 15.0 | 65 | .2 | 302 | .6 | 26. | 1 1 | 1.4 | 1678 | 2.25 | 90 | 1:2 | 1.6 | 64.1 | | 10 | L Ż | | 1.7 | . 2 | 43 | 9.42 | 076 | | 44.6 | | 76 3 | M 1 | 014 | . 1 | 24 | 632 | -17 | 1 0 | Δı | 4 6 | 9 | E.G | 1 | 2 2 | | 2 - |
| | INE 2494 | 2. | 8 | 11.8 | 65 | | 298 | .5 | 23. | i | 7.5 | 1055 | 2.10 | Ä | | 1.1 | \$0.1 | | 11 | , , | Ĭ | | . | - 22 | 4.63 | 076 | · č | 41.6 | | 71 1 | 9 | 111 | | 10 | 020 | 12 | 1.0 | -01 | 7.0 | ٠.٤ | . 37 | | 3.2 | | • |
| | 2495 | | | | | | | | | | | | 2.59 | . 41 | • | Ĭ. | 6 7 | | | 1 | ă | ï | . 3 | = | 4 16 | 064 | ă | 3.0 | | | - | ME | • | 22 | A10 | *** | : | A1 | 3.0 4 E | .1 | . 30 | | 1.7 | 230 | |
| | 2496 | | | | | | | | | | | | 4.74 | . H | | 3 | 14.1 | | | | - | ;; | 7 | = | 7 63 | 188 | ě | 31.1 | | | | | 1.3 | 64 | 128 | .00 | 1.0 | .01 | 7.5 | - 1 | 1.70 | | 2.3 | | - |
| | STANDARD 856 | | | | | | | | | | | | 2.88 | 18 | i. | 5.8 | Ä | 2.1 | | , , | Ã | īĀ | ďà Ì | 77 | 77 | | 11 | 189.3 | | ŭ i: | 17 | | 17 | | 926 | 3.4 | 1.3 | 17 | 3 6 | 1.4 | 1./T | | 4.5 | 247 | 0 |
| | | | - | | | Ţ., | | | | | | | 7177 | | 1 | V. V. | 70.7 | | 4.5 | الله الأواد | 1.00 | e ka | 7. E. | J. 72. | | | | 203.4 | | - 14 | | 773 | 6/ / | | . 000 | | 7.7 | • 4/ | 7.0 | 1.9 | ~.90 | | 7.3 | | • |

Sample type: CORE R150 GOC. Samples begringing 'RE' are Beruns and 'RRE' are Reject Regime.



| SYMALTS | e.k | P | 24 | gm/mt | Au** gm/mt | Sample gm | |
|--|--------------------------------------|----------------------------------|--------------------------------------|------------------------------------|-----------------------------------|--------------------------------------|--|
| SI 2482 2483 2484 2485 | .001 .202 .146 .123 .179 | <.01 .05 .10 .03 .30 | <.01 .58 .41 .30 1.22 | 10.5 13.1 10.2 13.5 | <.01 .11 .21 .37 .63 | 2500 2500 2400 2800 | |
| 2486 2487 2488 2489 2490 | .327 .060 .121 .423 .251 | 1.13 .48 .29 .68 | 3.53 2.26 3.07 4.77 2.34 | 26.5 9.0 9.2 32.3 16.5 | 3.14 .39 .72 5.16 .74 | 2600 2400 2500 2700 2300 | |
| RE 2490 RRE 2490 2491 STANDARD R-2/AU | .253 .245 .101 .582 | 1.58 1.58 | 2.34 2.30 1.72 4.30 | 17.3 15.7 9.5 156.2 | .76 .59 .56 3.27 | 1800 | |

REVISED COPY * Sample weight

| | V | 200 |
|-----|---|-----|
| *** | | * |

| DATE OF THE PARTY | 数に | Au mt | Sample gm | | |
|---|----------------------------|----------------------------------|--------------------------------------|--|--|
| SI 2497 2498 2499 2500 | 2.2 8.4 4.2 22.2 | <.01 .03 .11 .02 .27 | 2600 1500 2700 1200 | | |
| 2501 2502 2503 2504 2505 | 4.78 3.87 4.7 | .04 .02 .05 .05 | 2500 2100 3200 1800 2000 | | |
| 2506 2507 2508 RE 2508 RE 2508 | 17.3 1.3 1.7 2.2 | .12 .08 .03 .03 | 2500 1900 1600 | | |
| 2512 2513 2514 2515 2516 | 2.8 1.1 1.6 1.5 | .08 <.01 .02 <.01 | 2900 1500 2700 2300 3000 | | |
| 2517 2518 2519 2520 2521 | 1.0 2.7 1.7 .6 | .01 .01 <.01 <.01 | 2000 2400 2600 2700 2600 | | |
| 2522 2523 2524 2525 2526 | 1.5 1.4 4 × 3 3.0 | <.01 .01 .01 .01 | 2800 2300 2900 2800 2700 | | |
| 2527 2528 2529 STANDARD R-2/AU-1 | <.3 <.3 153.4 | .01 <.01 <.01 3.32 | 2800 2400 2300 | | |

GROUP 6 - PRECIOUS METALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, AMALYSIS BY ICP-ES.

Samples besidein ... He have and ... are killed forms

DATE RECEIVED: OUT to 2003 DATE REPORT MATLED:

Oct 20/2003 = 2000 = 21/

. . D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

| | The second secon | | 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | | | 4 <i>j</i> |
|---|--|-----------------------------------|--|----------------------------------|----------------------|--|------------|
| 8339123 | C P | Zn | gm/int | All at | Sample gm | The state of the s | |
| 81 2509 2510 2511 STANDARD R-2/AU-1 | .001 «.01 .030 .01 .691 3.23 .064 .13 .566 1.45 | <.01 .04 3.42 15 4.26 | 4.3 65.8 3.5 154.8 | .01 .03 .21 .05 3.32 | 2500 1300 2800 | | |

EROLP 7AR - 1.000 EN SAMPLE, AGLA - RESTA (NOL-MINIS-M20) DISESTION TO 100 ML, AMALYSED BY ICP-ES. - SAMPLE TYPE: CORE 8150 460 AGAIN & ANNO SE PERE ASSAY FROM 1 ALL, SAMPLE.

DATE RECEIVED: OCT 10 2003 DATE REPORT MATLED!

10.21.20. Oct 20/2003 SIGNED BE APPLY

... 9. TOYE, C.LEONG, J. WANG: CERTIFIED B.C. ARRAYEDS

SHOUP 1730 - 30.00 MM SAMPLE LEACHED WITH 180 ME 2-2-2 ME MINESPIZO AT 95 MMB. C FOR ONE HOLD, DILUTED TO 400 ML, AMALYSED ST ICP/ES & MS. SAPPLE LIMITS - AN, AN, MR, V, SE, TE, TL, SA, SH = 100 MM; MS, CD; CD, SE, St, TH, U, S = 2,000 MM; CU, PS, ZH, HI, MR, AS, V, LA, CR = 10,000 PPH.

- SAMPLE TYPE: BOCK R150 600

DATE RECEIVED: OCT 16 2003 DATE REPORT MATLES

REPORT MATLES, OUT 3/200 30 MINED BY JULY J. B. TOYE, C.LEONG, J. MANG; CERTIFIED B.C. ASSAYERS

AA

| Marie Commission Commi | | | Programme in the last of the l |
|--|-----------------------------------|--|--|
| | a Vert | Sample gm | |
| \$1 2530 2531 2532 2533 | <.01 1.03 .05 .05 .13 | 1600 1000 2000 1500 | |
| 2534 2535 2536 2537 2538 | .33 .52 .21 1.21 3.12 | 2000 500 200 1900 2400 | |
| 2539 2540 2541 2542 2543 | 3.51 3.51 3.69 10.91 | 2100 2100 2400 2600 1300 | |
| 2544 2545 2546 2547 2548 | 2.68 .43 .11 .04 .12 | 1900 1600 2500 2300 1900 | |
| 2549 2550 RB 2550 RRE 2550 2551 | 1.11 .66 .63 .66 3.75 | 1800 2800 - 2200 | |
| 2552 2553 2555 2555 2556 | 3.08 1.62 .25 .25 | 2200 2100 2100 2400 2400 2100 | |
| 2557 2558 2559 2560A 2560B | .19 .22 .29 .03 | 1900 1700 1200 4100 2000 | |
| · · · · · · · · · · · · · · · · · · · | | | |

2000

GROUP 6 - PRECIOUS NETALS BY FIRE ASSAY FROM 1 A.T. SAMPLE, ANALYSIS BY ICP-ES - SAMPLE TYPE: COME R150 600

Samples bestiming the era forum and the are to just had

ATE RECEIVED: OCT 20 2003 DATE REPORT MATLES.

Oct 80/03

SIGNED BY ... I POLICED TOTE, CLECKS, J. MAKS: CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme sesumes the liabilities for actual cost of the analysis only.

Data LEA YEAR



| SAMPLE# Au* Sample gm/mt gm 2562 .31 2900 2563 .13 2100 2563 .05 3500 | | | |
|--|--|-------|--|
| | | | |
| 2562 2563 2564 2565 2565 2566 23 1400 267 2400 | | | |
| 2567 2568 2569 2570 2571 2571 2571 2571 2571 2570 2571 2570 2570 2570 2570 2570 2570 2570 2570 | | | |
| 2572 2573 2574 2574 RR 2574 RR 2574 30 - | | . · · | |
| 2575 2576 2577 2577 2578 2579 .03 2600 .02 3700 .02 3400 .08 1400 .11 3500 | | | |
| STANDARD AU-1 3.36 - | | | |

Sample type: CORE R150 60C. Samples beginning 'RR' are Reruns and 'RRE' are Reject Reruns.

APPENDIX 9

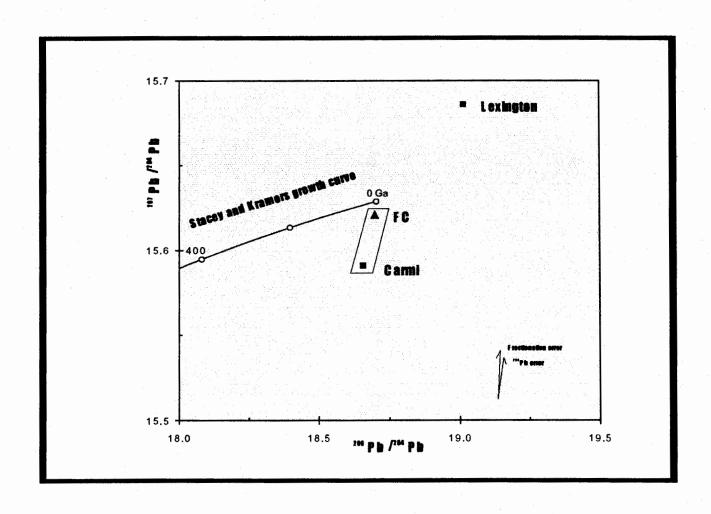
Lead Isotope Analysis

FRANKLIN CAMP LEAD ISOTOPE ANALYSIS

M.McClaren P.Geo. June 29, 2003

A galena rich sample taken from the Homestake dump was analysed for it lead isotope composition. The results of the analysis are plotted on the accompanying graph. Y-axis has been expanded and error bars are not plotted.

The sample is comparable to the lead ratios determined for the Carmi Ag-Pb-Zn-Au polymetallic veins. The results imply that the Homestake and similar type veins are Jura-Cretaceous and not related to a Tertiery mineralizing event. As a comparison, a sample from the Lexington area (McClaren, M., 1993) plots within the Beaverdell cluster (Tertiary).



| Sample 206Pb/ Pb64 Pb64 207Pb/ Pb74 Pb74 | 2021W PASA PASA 207PM | Pb76 Pb76 208Pb/ Pb86 Pb86 |
|--|------------------------------------|----------------------------------|
| Number 204Ph absert Nerr 204Ph absert Nerr | 2047b Sheer Ner 2057b | absert % err 206Pb absert % err |
| | | |
| ECHES 18 2001 Access Access Access | | |
| FC PB2 18.6984 0.0081 0.04 15.6209 0.0101 0.06 | 38.42 64 0.0333 0.09 0.8354 | 0.0002 0.022 2.0551 0.0009 0.043 |

NOTES: Analysis by Janet E. Gabites, Geochronology Laboratory, Department of Earth, Ocean, and Atmospheric Sciences, University of British Columbia, Vancouver, B.C.

All ratios corrected for isotopic fractionation (0.15% for Faraday collector), based on repeated analyses of NBS981 lead standard. Mineral analysed is galena.

APPENDIX 10

Cost Statement

COST STATEMENT

FRANKLIN PROPERTY

May 1 to November 30, 2003

| Labou | r & Consulting | | | | | |
|--------|--|-------------------|--------------------------------------|------------------------------------|--|--|
| | Linda Caron | Geologist | 47 days @ \$454.75/day | \$ 21,373.25 | | |
| | | geological map | oping, trench mapping, core logging, | | | |
| | | report preparat | tion | | | |
| | Jim Kermeen | Geologist | 16 days @ \$454.75/day | \$ 7,276.00 | | |
| | | | core logging | | | |
| | Glen McDonald | Consultant | 3 days @ \$454.75/day | \$ 1,364.25 | | |
| | Mike Elson | | er 28 days @ \$321/day | \$ 8,988.00 | | |
| | John Boutwell | Prospector | 118 days @ \$214/day | \$ 25,252.00 | | |
| | John Carson | Prospector | 2 days @ \$267.50/day | \$ 535.00 | | |
| | Tim Young | Line Cutter | 1 day @ \$347.75/day | \$ 347.75 | | |
| | Roger Pugh | | oil Sampler 17 days @ \$214/day | \$ 3,638.00 | | |
| | Scott Hodges | | oil Sampler 15 days @ \$214/day | \$ 3,210.00 | | |
| | Alfreda Elden | Soil Sampler/A | · · · | \$ 1,284.00 | | |
| | Lee-Anne Ennis | Soil Sampler | 3 days @ \$160.50/day | \$ 481.50 | | |
| | | | | \$ 73,749.75 | | |
| Diamo | Diamond Drilling Delorme Drilling, Merritt, B.C. | | | | | |
| | | NQ drilling @ \$6 | 57.75/metre | \$ 33,239.19 | | |
| | Impact Equipment - wa | | | \$ 9,500.00 | | |
| | | r operator | 88 | \$ 42,739.19 | | |
| | | 1 | | , , | | |
| Trencl | hing | | | | | |
| | Impact Equipment, Tra | | | \$ 10,773.00 | | |
| | | | ing living out expenses for operator | | | |
| | Delorme Drilling - tren | | | | | |
| | 20 hours @ \$5 | 60/hour cat | | \$ 1,000.00 | | |
| | | | | \$ 11,773.00 | | |
| | | | | | | |
| Analy | tical Costs | 202 11 1 | | * 40 = 04 = 0 | | |
| | Acme Analytical | | es, 288 rock samples, | \$ 19,791.50 | | |
| | | | nples, 110 core samples | | | |
| | C 1' P | | CP + Au + overlimit assays) | Ф 1 100 70 | | |
| | Crockite Resources | Pb isotope ana | 19818 | \$ 1,123.50 \$ 20.015.00 | | |
| | | | | \$ 20,915.00 | | |

continued next page ...

| Meals & Accommodation | | | | | | |
|-----------------------|------------|--|--|--|--|--|
| Iohnny's Motel | Grand Fork | | | | | |

| Johnny's Motel, Grand Forks | \$ 4,681.32 |
|-----------------------------|-------------|
| Food and meals | \$ 3,280.00 |
| | \$ 7,961.32 |

Field Expenses

| Vehicle Rental | 4x4 148 days @ \$53.50/day | \$ 7,918.00 |
|---------------------------|--|--------------|
| | 4x4 2 months @ \$1500/month | \$ 3,000.00 |
| 4 wheeler rental | 4 days @ \$50/day | \$ 200.00 |
| hand held radio rental | 6 months @ \$100/month x 2 | \$ 1,200.00 |
| core splitter rental | 2 months @ \$300/month | \$ 600.00 |
| core logging facility rea | \$ 300.00 | |
| Deakin Equipment - fie | \$ 3,104.03 | |
| fuel | | \$ 3,874.60 |
| miscellaneous supplies | (pickets, chisels, logging supplies, field maps) | \$ 2,078.11 |
| travel expenses (Vanco | \$ 2,000.00 | |
| Greyhound - shipping of | \$ 595.72 | |
| | | \$ 24,870.46 |

Reporting and Office Supplies

| \$ 145.00 |
|----------------|
| \$ 800.00 |
| \$ 3,006.48 |
| \$ 3,951.48 |
| |

TOTAL EXPENSES: \$185,960.20

All costs include GST.

Costs listed are minimum expenditures.