Report for Assessment Work Credit

on

Trenching and Drilling Programmes

MORRISON AND HEARNE HILL PROPERTY

[Work was Done on Ellen 1-16 Claims]

(September 1999 – August 2000)

OMINECA MINING DIVISION
BABINE LAKE AREA, BC

(Volume 1 of 4)

NTS 93-M/1W

Latitude 55°11'N

Longitude 126°18'W

Owner of Claims:

PACIFIC BOOKER MINERALS INC.

10th Floor – 609 West Hastings Street
Vancouver, BC V6B 4W4

Date Submitted:
4 December, 2000

Operator:
(same)

Author:
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Recommendations:

Recommendations for future exploration on the Morrison property are as follows:

1. Compile the data from the 2000 field season into a computer database. Combine the new data with Noranda's database to make a geological model of the deposit. Complete an in-house scoping study including an ore resource estimate using computer generated ore blocks.

2. Upon a positive outcome of the scoping study, plan a large drilling programme over the deposit. This phase of work would include a strategic drill programme to delineate high-grade areas within the deposit and a systematic programme using a grid patter, possibly within 50m centers to define the whole deposit.

Introduction

This report describes results of trenching and diamond drilling programmes at the Morrison porphyry copper gold silver deposit which is currently being explored by Pacific Booker Minerals under an option agreement with Noranda Corporation. The basic physiographic details of the claim group are:

Location and Access

The Morrison deposit [Ellen 1-16 claims] is located in the Babine Lake region of the Intermontane Belt of central British Columbia (Fig. 1). Situated at latitude 55°11' N and longitude 126° 18' W. The Morrison/Hearne Hill property is 30 kms due north of the village of Granisle which was originally built to service the Granisle and Bell miles.

The Granisle mine ceased production in 1982 and all surface facilities have been removed. Production ceased at the Bell mine in 1992 and the minesite has been decommissioned.

Access from the rest of BC is by means of paved provincial highway 321 (Topley - Granisle) to Michel Bay. Then by barge (no charge) across Babine Lake to Nosebay (approx. 20 minutes). A network of main haulage logging roads (principally the Hagen along the east side of Babine Lake) gives access to the Morrison property (approx. 38 road kms from the ferry).

Topography

The Babine Lake region forms part of the rolling uplands of the Nechako Plateau within the Intermontane Belt of central British Columbia (Fig. 1). Oligocene to Recent block faulting dissected the region into a basin and range morphology consisting of north-westerly trending ridges and valleys. The major trenches are filled with long, narrow and deep lakes, the largest of which is Babine Lake, Morrison Lake lies to the northwest of Hatchery Arm of Babine Lake and occupies the same valley. Elevations range from 733m on the shore of Morrison Lake, (i.e. in the basin) to 1380m on Hearne Hill (i.e. the Range). The eroded scarp of the Morrison Fault forms the western flank of the Morrison graben.

Claim Details

The Ellen 1-16 claims on which the trenching and drilling programmes were done are shown on Figure 2.

The remaining claims which comprise the Morrison - Hearne Hill property are shown in the following table:

Claim Name	Tenure No.	Current Expiry Date	New Expiry Date
Hearne 1	242812	September 15, 2000	September 15, 2007
Hearne 2	242813	September 15, 2000	September 15, 2007
Ellen 1	243847	September 15, 2000	September 15, 2007
Ellen 2	243848	September 15, 2000	September 15, 2007
Ellen 3	243849	September 15, 2000	September 15, 2007
Ellen 4	243850	September 15, 2000	September 15, 2007
Ellen 5	243851	September 15, 2000	September 15, 2007
Ellen 6	243852	September 15, 2000	September 15, 2007
Ellen 7	243853	September 15, 2000	September 15, 2007
Ellen 8	243854	September 15, 2000	September 15, 2007
Ellen 9	243855	September 15, 2000	September 15, 2007
Ellen 10	243856	September 15, 2000	September 15, 2007
Ellen 11	243857	September 15, 2000	September 15, 2007
Ellen 12	243858	September 15, 2000	September 15, 2007
Ellen 13	243859	September 15, 2000	September 15, 2007
Ellen 14	243860	September 15, 2000	September 15, 2007
Ellen 15	243861	September 15, 2000	September 15, 2007
Ellen 16	243862	September 15, 2000	September 15, 2007
Alva #1	243863	September 15, 2000	September 15, 2007
Alva #2	243864	September 15, 2000	September 15, 2007
Ellen #3 Fr	243879	September 15, 2000	September 15, 2007
Frances #25	244011	September 15, 2000	September 15, 2007
Frances #27	244012	September 15, 2000	September 15, 2007
Dull Axe #1	244266	September 15, 2000	September 15, 2007
Dull Axe #2	244267	September 15, 2000	September 15, 2007
She 13	244278	September 15, 2000	September 15, 2007
She 14	244279	September 15, 2000	September 15, 2007
Dyke #7 Fr	244320	September 15, 2000	September 15, 2007
Patch Fr	244326	September 15, 2001	September 15, 2007
Cub 200	341509	September 15, 2002	September 15, 2007
Cub 300	341510	September 15, 2002	September 15, 2007
Copper 200	341511	September 15, 2002	September 15, 2007
Copper 100	341512	September 15, 2002	September 15, 2007
Cub 100	341513	September 15, 2002	September 15, 2007
BB 1	341551	September 15, 2002	September 15, 2007
BB 2	341552	September 15, 2002	September 15, 2007
BB 3	341553	September 15, 2002	September 15, 2007
BB 4	341554	September 15, 2002	September 15, 2007
Hearne 3	347037	September 15, 2002	September 15, 2007
Hearne 4	347038	September 15, 2002	September 15, 2007
Hearne 5	347039	September 15, 2002	September 15, 2007
Hearne 6	347040	September 15, 2002	September 15, 2007
Hearne 7	347041	September 15, 2002	September 15, 2007
Hearne 8	347042	September 15, 2002	September 15, 2007
Hearne 9	347043	September 15, 2002	September 15, 2007
Hearne 10	347046	September 15, 2002	September 15, 2007
Hearne 11	347047	September 15, 2002	September 15, 2007
Hearne 12	348735	September 15, 2002	September 15, 2007
Hearne 13	348736	September 15, 2002	September 15, 2007
Dyke 1	360773	September 15, 2000	September 15, 2007
Dyke 2	360774	September 15, 2000	September 15, 2007
Dyke 3	360775	September 15, 2000	September 15, 2007
Dyke 4	360776	September 15, 2000	September 15, 2007
Dyke 5	360777	September 15, 2000	September 15, 2007

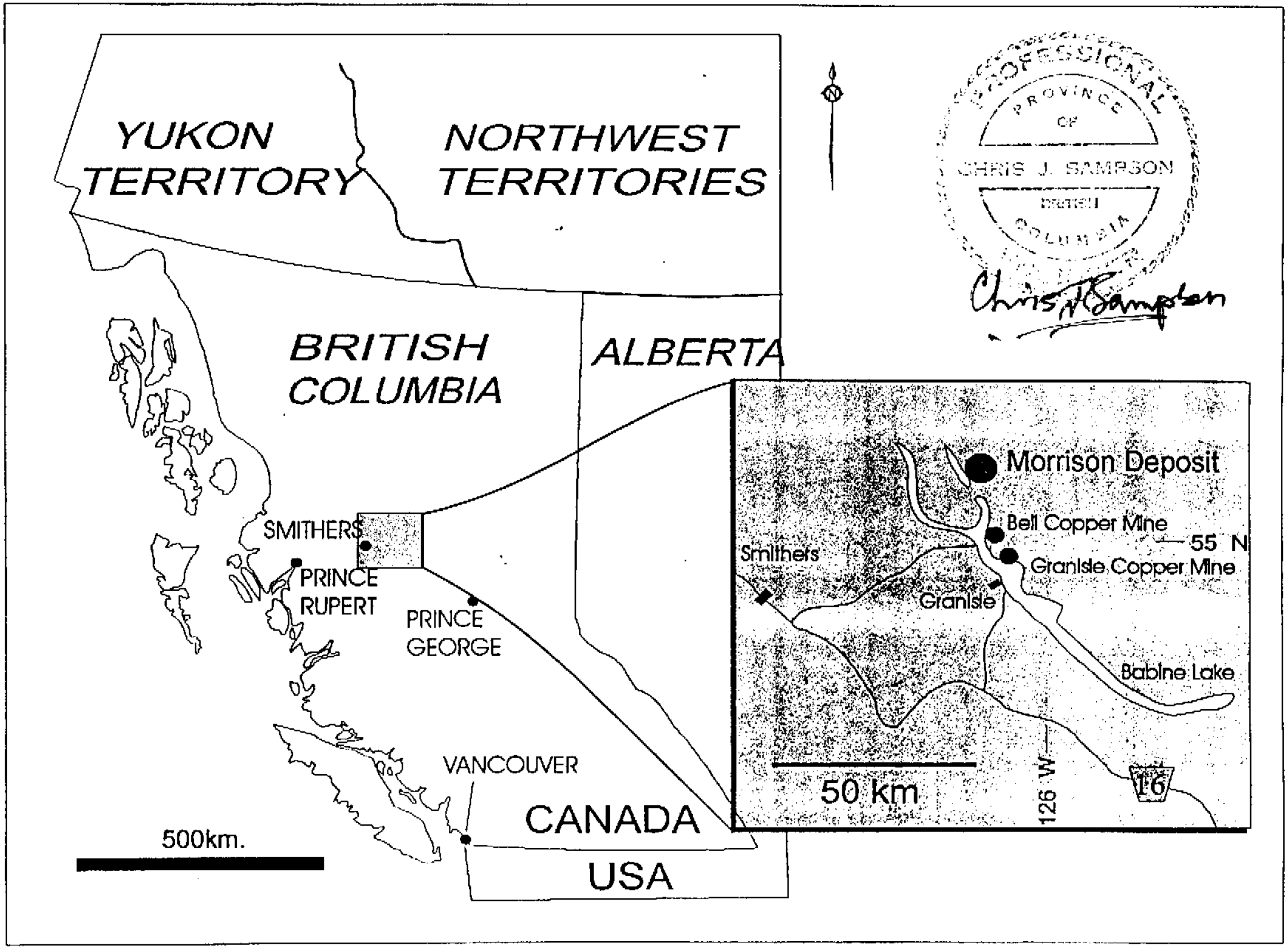
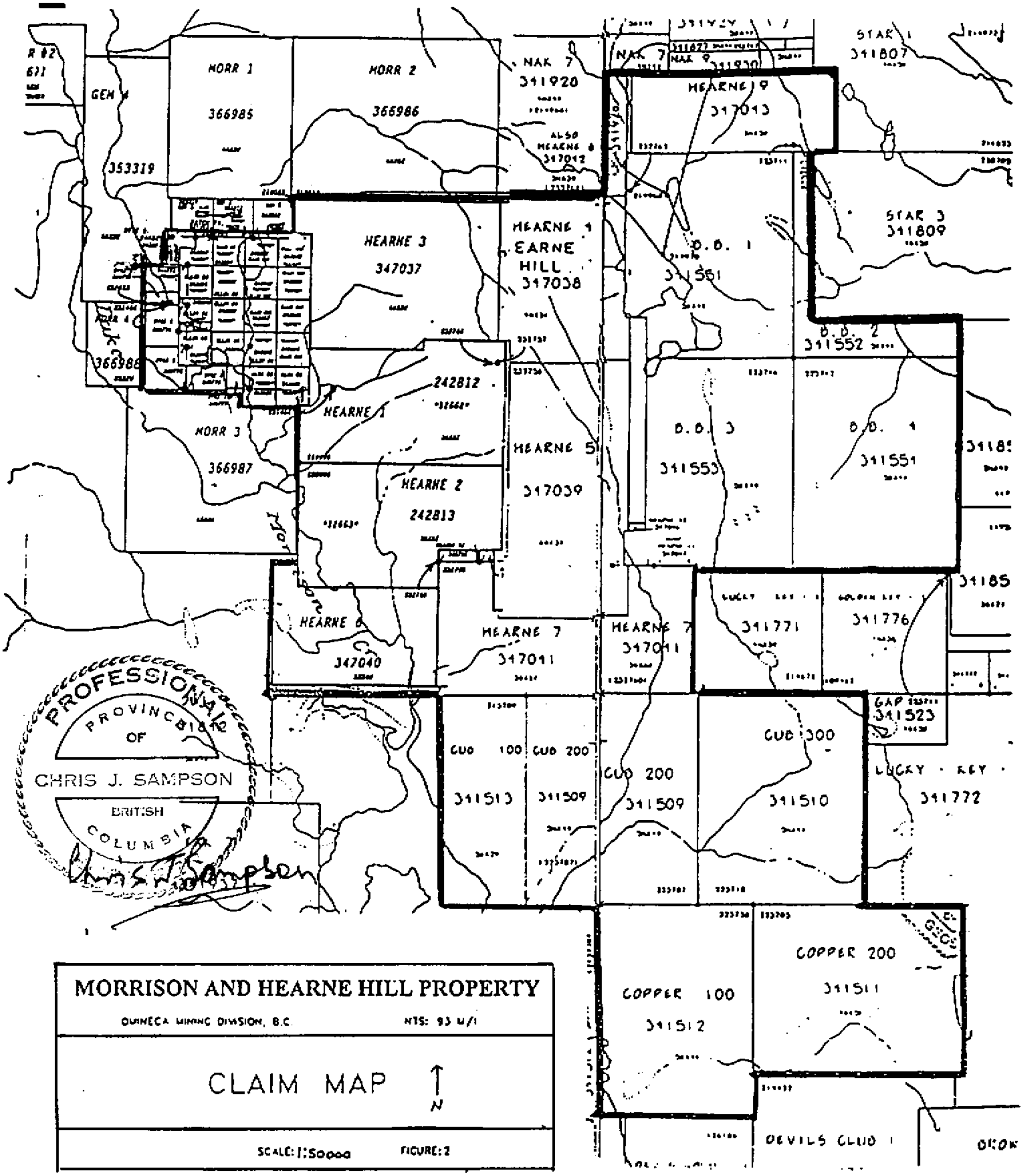


Figure 1: Location map MORRISON AND HEARNE HILL PROPERTY



MORRISON AND HEARNE HILL PROPERTY

OMINECA MINING DIVISION, B.C. NTS: 93 M/1

CLAIM MAP

↑ N

SCALE: 1:50000 FIGURE: 2

History of Exploration at Morrison

The Morrison Lake area was first explored in the early 1960s during the initial rush of exploration to the Babine region. Regional stream sediment sampling in 1962 by the Norpex Group of Noranda Exploration Company, Limited led to the discovery of the Morrison deposit in 1963 with critical early work by L. Saunders, R. Woolverton and D.A. Lowrie (Woolverton, 1964).

During the follow-up in 1963 of copper-anomalous stream sediments that were collected in 1962, copper-bearing BFP float and exposures were found by employees of Noranda Exploration Company, Limited in the stream that flows over the copper zone (Figs. 2, 3). Trenching of the thin overburden uncovered relatively unweathered chalcopyrite-bearing bedrock in large areas on both sides of the stream, where soil samples were anomalous.

Ninety-five diamond holes, most oriented east or west with dip 45 degrees, were drilled from 1963 to 1973. 65 holes were AEX diameter. The other 30 were BQ diameter. Induced polarization surveys were not very definite, because of very widespread pyrite. However, the BFP intrusions, including portions of the BFP plug, were known to contain abundant magnetite; therefore, magnetic surveys were used as a guide in the early drilling. By 1968, a sub-economic deposit had been outlined that consisted of two zones totalling about 55 million tonnes averaging 0.42 per cent copper. The zones are immediately northwest and southeast of the small central pond (Fig. 3), and their positions correspond closely to strong geochemical and magnetic anomalies.

Geological mapping done in 1963 and 1967 had indicated the possibility that the two zones might be parts of a single faulted deposit. Hydrothermal alteration studies initiated in 1967 showed that the deposit had well-defined biotite-chlorite zoning and that biotitization was very closely related to copper grades. Although data was sparse, biotitization in the large poorly tested area between the two known zones appeared to be widespread and strong, indicating that this area was probably underlain by additional +0.4 per cent copper mineralization. Drilling in 1970 to test the central area, succeeded in joining the portions of the faulted copper zone and increased the known tonnage of the deposit from about 55 to 86 million tonnes.

The Morrison copper zone and peripheral hydrothermally altered rocks have resisted erosion by glaciation more than the surrounding unaltered rocks. The altered rocks occur in an elevated, thinly mantled, roughly elliptical plateau 60-90 metres above the level of Morrison Lake. This plateau is bisected by a north-south gully carved along a fault, the east fault, and is surrounded by areas of shallow to very deep glacial overburden (Fig. 3).

It is significant that following the 1973 drill programme Noranda did no further active field work at Morrison. Pit design studies were carried out in 1988 and 1990 to establish whether Morrison could supply feed to the Bell Mine but no further drilling was done on the property until Booker Gold Exploration (now Pacific Booker) drilled 3 holes, No. 98-1, 2, 3 in 1998.

Regional Geology

The Morrison deposit is situated on the norther edge of the Skeena Arch in a region underlain by volcanic, clastic and epiclastic rocks ranging in age from Lower Jurassic Telkwa Formation to Lower Cretaceous Skeena Group. This sequence of rocks has been cut by a northwest trending series of faults that have created a long linear sequence of horsts and grabens. The rocks have been intruded by a variety of intermediate to felsic stocks, plugs and dykes of Eocene age (Richards, 1990).

During the Tertiary-Eocene period, BFP plugs and stocks of the Babine Igneous Suite were emplaced along major faults in a continental magmatic arc. Two ore bodies (Bell and Granisle) and numerous sub-economic deposits occur as porphyry-copper deposits which are temporally and spatially associated with the Babine Igneous Suite intrusions (Carson and Jambor, 1974).

Property Geology

Lithology

[The following description of the geology of the Morrison property is partially based on regional mapping by MacIntyre *et.al.* (1997-1), detailed petrographic studies by Carson and Jambor (1974) and field investigations by Pacific Booker Minerals Inc.]

Jurassic Sedimentary Rocks

Host rocks for the BFP intrusions at Morrison are siltstone, silty argilites and minor conglomerates of the Upper Jurassic Ashman formation.

In most localities on the Morrison property, the Ashman rocks are massive and strongly altered, and bedding is not visible. Where observable, bedding generally strikes northerly to northwesterly and dips steeply.

The siltstones and silty argillites are very fine to medium grained and consist largely of a heterogeneous mixture of detrital quartz, feldspars, and volcanic and sedimentary rock fragments. The over-all appearance and minerology of these rocks depend largely on their location in the Morrison alteration zones. Fawn or medium grey colours and observable clastic textures are characteristic of rocks with considerable introduced carbonate in the outer portions of the property. Some siltstones are poorly indurated; some are shaly. The rocks become darker greyish-green and fawn, indurated, chlorite-carbonate-rich greywackes and argilites as the copper zone is approached, and are dark grey and jet-black biotitized variries in copper zone.

Conglomerates have been observed at a few localities such as in the creek near the old Noranda camp site. These conglomerates are light grey to fawn-coloured rocks that contain rounded pebbles of cherty, dacitic and andesitic rocks.

Throughout the entire property, the Hazelton sedimentary rocks are cut by abundant BFP dykes and sills.

Eocene Rhyodacite

Widespread rhyodacite dykes in the Babine area are believed to be co-magmatic with the BFP intrusions. At Morrison, light tan-coloured, medium- to fine-grained rhyodacite dykes with aplitic textures occur at a few localities. They are leucocratic rocks composed almost entirely of quartz, albite and K-feldspar. At some localities, the dykes have a fine to coarse breccia texture in which aplitic fragments are contained in a very fine grained siliceous matrix.

Eocene Biotite-Hornblende Plagioclase Porphyry (BFP)

Morrison BFP is similar to BFP at other Babine porphyry copper deposits. A complete description of this rock, including chemical and microprobe analyses, is given by Carson and Jambor (1974).

The main BFP pluton at Morrison is a faulted plug, with nearly vertical contacts, which occupies a north-westerly oriented elliptical area of 900 by 150-300 metres. Before faulting, the plug was roughly circular in section, with a diameter of about 500 metres. Numerous offshoots of the plug, many of which are northerly trending dykes or sills, occur everywhere in the Hazelton sedimentary rocks. The offshoots vary in width from less than 1 metre to greater than 500 metres. Most BFP contacts are sharp. Angular inclusions of siltstone have been observed in only a few localities.

Unaltered BFP is speckled with abundant 1/4 to 5-mm phenocrysts of plagioclase (zoned oligoclase-andesine), biotite and hornblende in a fine-grained matrix of the same materials as well as quartz and K-feldspar. Apatite and magnetite are common accessory minerals. At Morrison, all rock exposures are altered, and hornblende phenocrysts in particular have been largely replaced by hydrothermal chlorite or biotite. Rare phenocrysts of K-feldspar and quartz have been noted in some Babine porphyry deposits, but not at Morrison. Compositionally, Morrison BFP is equivalent to quartz diorite porphyry (dacite porphyry).

At Granisle, many phases of BFP intrusions are evident from cross-cutting relationships among slightly different-appearing types of BFP and from the occurrence of fragments of one type in another in breccia pipes (?) and intrusive breccias. Such features are seen most clearly during close examination of rock faces in the pit. At Morrison, the plug is known to contain a large number of phases of BFP. Their presence is indicated by the occurrence of varieties of BFP that have contrasting abundances of phenocrysts and of groundmass grain sizes. Some of these BFP variations occur over distances of only a few metres, and in a few cases intrusive contacts have been observed in drill cores.

Part of the variation in appearance of BFP is due to superimposed hydrothermal alteration. BFP in the chlorite-carbonate zone is typically a greenish grey speckled rock of phenocrysts of pale grey plagioclase, pale green chloritized hornblende and books of unaltered brown biotite. In the weak, outer part of the biotite zoner, the rock is darker greyish green. In the inner, stronger biotitized part of the copper zone, BFP is dark grey to black, and speckled with distinct unaltered white plagioclase phenocrysts and books of black biotite.

Post-Mineral Andesite Dykes

Light green, very fine grained to aphanitic, weakly altered dykes ranging in width from 1/3 to 2 metres have been encountered in a few drill holes. The dykes are andesitic and contain widely scattered 1/2 to 1-mm phenocrysts of plagioclase, hornblende and biotite. These intrusions, possibly a late-stage, relatively mafic type of BFP, are barren of copper.

Structure

The Morrison deposit occupies the central part of a major graben that is a component of the regional northwesterly trending block-fault system of the Babine area (Carter, 1973; Richards, 1974). The western bounding fault is believed to be along Morrison Lake, and the eastern fault is about 0.8 km east of the property. Within this graben, Upper Jurassic Ashman formation, and the Cretaceous Sustut Group which crops out 3 km to the northwest of the Morrison deposit have been down-faulted and preserved from erosion.

The most prominent structure at Morrison is the north-westerly trending east fault, which bisects the BFP plug and copper zone (Fig. 3). The fault is apparently vertical and has a right-hand heave of approximately 300 metres. The vertical displacement, although unknown, is believed to be considerable. Rather than a single break, the East Morrison fault is a linear zone of parallel shears and fractures. The zone averages about 25 metres in width, but ranges from 50 metres in its central portion to only a few metres at its extremities.

Along its entire length, the Morrison fault is marked by intense clay-carbonate alteration and well-defined zones of carbonate-cemented gouge and breccia. North-westerly trending streaks and patches of clay-carbonate alteration found elsewhere in the BFP plug and surrounding rocks are believed to have developed along minor shears and fractures that formed along contacts and bedding planes during movements on the Morrison fault.

Mineralized fractures, 2 to 10 cm apart, are exposed in trenches and outcrops. The fractures have a great variety of orientations, but tend to dip steeply and trend northerly, parallel to the strike of the Ashman sedimentary rocks, the copper zone and the Morrison fault. However, at the northern end of the deposit, the strikes of both the copper zone and the more prominent fractures swing to the northeast and east.

Major fold structures have not been observed at Morrison. Although the strike of the sedimentary rocks appears to be mainly north-northwesterly, some argillaceous siltstones and conglomerates at the southern end of the property strike east-northeast to east-southeast and dip steeply. This suggests that the BFP plug may be localized in the north-northwesterly trending isoclinal fold, the nose of which is at the southern end of the property.

Mineralization and Alteration

Copper Zone

The Morrison copper zone is a vertical annular cylinder that conforms to the shape of the BFP plug and is disrupted by the east and west faults. The copper zone is defined by external and internal boundaries that mark the limits of rocks which consistently grades greater than 0.2% copper. In most places, the external boundary is relatively sharp and copper content declines outward to less than 0.1 per cent within about 40 metres. However, along the western and northwestern edges of the copper zone, sporadic areas of + 0.3 per cent copper occur for several hundred metres beyond the 0.2 per cent copper boundary. The low-grade core averages between 0.15 and 0.2 per cent copper. Between the internal and external 0.2% isopleths, copper increases fairly regularly to form a higher-grade annulus. In the annulus, which is 15 to 150 metres wide, copper exceeds 0.5 per cent. Maximum grades over appreciable widths are about 0.7 per cent copper, and the average grade of the entire 0.3+ per cent zone is 0.42 per cent copper. Molybdenum averages approximately 0.01 per cent and gold and silver 0.3 gram per tonne and 3 grams per tonne respectively. Spotty occurrences of galena and sphalerite, in carbonate-cemented brecciated veins within and near the Morrison fault and in smaller parallel shears, contribute to relatively high, but uncommercial, values of lead and zinc.

At Morrison, all copper sulphides are primary. Chalcopyrite is the main copper-bearing mineral. It is distributed chiefly in fracture stockworks with or without quartz, but about 20 to 30 per cent of the mineral is disseminated in the BFP matrix and in peripheral sedimentary rocks.

Pyrite Halo

All rocks at Morrison contain anomalous quantities of pyrite (> 1 per cent) that contribute to an over-all high induced polarization response. Coarsely disseminated 1/2 - 5-mm crystals of pyrite are common in the inner parts of the halo, whereas 0.1- to 0.5-cm-wide stringers predominate in the outer portions.

The most pronounced concentrations of pyrite (5-15 per cent by volume) occur in three segments that surround the copper zone. The outer two thirds of the segments average only about 0.05 per cent copper. The eastern pyrite segment is very large. Pyrite content at its outer margin decreases abruptly to 1 to 2 per cent. However, in the smaller western segments, pyrite abundances decrease more gradually and zones of 3 to 5 per cent pyrite are common in the area that includes the large northerly trending BFP and rhyodacite dykes.

Sulphide Mineralogy and Zoning

Chalcopyrite and pyrite are the main sulphides at Morrison. Minor to moderate amounts of bornite at a few places in the copper zone contribute significantly to copper grades. However, most of the high-grade sections owe their copper content solely to chalcopyrite. Most of the chalcopyrite occurs along thin seams and veinlets with or without quartz and biotite, but notable amounts of the sulphide are also finely desseminated in the BFP matrix and in sediments.

Very minor molybdenite occurs in some chalcopyrite-pyrite seams and as minute disseminated flakes in the copper zone, which averages about 0.01 per cent molybdenum.

Though pyrrhotite and marcasite occur in only minor quantities at Morrison, these minerals are more abundant than in other porphyry copper deposits. Pyrrhotite is almost exclusively in the pyrite halo, but the quantity present is unrelated to the percentage of pyrite present. Marcasite is most commonly associated with pyrite, arsenopyrite, galena, sphalerite, geocronite and boulangerite. These minerals occur with quartz and carbonate in small vuggy veinlets and pockets in minor faults and in the clay-carbonate-altered rocks of the fault zones.

Detailed polished-sections indicate that pyrite and chalcopyrite have a well-defined zonal relationship. Although pyrite predominates in the pyrite halo, the 0.2 per cent copper grade-line precisely marks a change in pyrite-to-chalcopyrite ratios; calcopyrite consistently exceeds pyrite in samples only from the inside of this boundary. Although the absolute abundance of pyrite decreases toward the centre of the Morrison deposit, disseminated grains of the mineral persist throughout the copper zone and in the low-grade core.

Polished-section studies have shown also that, in addition to chalcopyrite and pyrite, magnetite and minor bornite are present in the low-grade-core of the deposit. Magnetite is confirmed to the low-grade core and the copper zone; that is, the area enclosed by the outer 0.2 per cent copper grade-line. The mineral is a finely desseminated original constituent of the BFP and the siltstones and is most abundant in the western segment of the copper zone. Many magnetite grains are partly altered to hematite, which seems to be most abundant at the outer 0.2 per cent boundary. No iron oxides have been observed in the pyrite halo.

Hydrothermal Alteration

Hydrothermal alteration at Morrison is similar to that at Granisle and other Babine porphyry copper deposits (Carson and Jambor, 1974). The copper deposit is within a centrally located biotite zone, the quality of which decreases outward. Surrounding the biotite zone is a chlorite-carbonate zone. Intense clay-carbonate alteration is associated predominantly with the faults and related shears.

Minor amounts of well-crystallized chlorite occur in the biotite zone, mainly as veinlets and crystal clusters. Finer, less strongly crystallized chlorite is common in the weak outer part of the biotite zone, and abundant chlorite that occurs mainly as pseudomorphs after hornblende characterizes the chlorite-carbonate zone.

As is evident from the above, the biotite-to-chlorite ratio increases as the copper zone is approached externally, and the crystallinity of both minerals also increases.

The three types of phenocrysts in BFP - biotite, hornblende and plagioclase - possessed distinctly different subceptibilities to alteration. Biotite phenocrysts were relatively stable and remained largely unaltered both in the chlorite-carbonate and biotite zones. Only in the most intensely biotitized rocks are phenocrysts partly replaced on their rims by finer hydrothermal biotite. In contrast to biotite, hornblende phenocrysts were very sensitive to hydro-thermal alteration. Their replacement in the central, copper-bearing area by hydrothermal biotite and inthe peripheral areas by chlorite and carbonates, is the most diagnostic and useful feature of hydrothermal alteration at Morrison and all Babine deposits. Within the biotite zone of the Morrison deposit, residual primary hornblende as well as hydrothermal amphibole of the tremolite-actinolite series are common.

Plagioclase phenocrysts are flecked only weakly with kaolin, sericite and carbonate in the outermost part of the chlorite-carbonate zone. However, this feldspar destructive alteration increases in intensity inward to the inner chlorite-carbonate zone, where some crystals are completely replaced; others are partly replaced in irregular patches or along cleavages and compositional zones. In the carbonate-deficient parts of the inner biotite zone, most plagioclase is clear and unaltered. However, in some cases, unaltered phenocrysts occur adjacent to totally altered (sericite-kaolin-carbonate) phenocrysts.

K-feldspar has been observed in very minor amounts in quartz-chalcopyrite ± biotite veinlets in the inner + 0.3 per cent copper portion of the copper zone. Its distribution coincides with the inner, stronger part of the biotite zone, which therefore corresponds to the classical potassic zones of other porphyry copper deposits.

Along faults and shears, clay-carbonate alteration is superimposed on the earlier biotitic and chloritic alterations. In the fault zones and at other localities of intense clay-carbonate alteration, biotite, hornblende and plagioclase phenocrysts and BFP matrix have been almost totally altered to kaolinite ± montmorillonite, chlorite and mixtures of calcite, dolomite and, rarely, siderite. Pyrite is an additional alteration product of the mafic phenocrysts. At several localities where the streaks and patches of moderately intense clay-carbonate alteration are exposed in trenches, many can be seen to be parallel to the Morrison fault, to most BFP dyke contacts and to the overall strike of the Hazelton sedimentary rocks.

Disseminated fine-grained apatite is anomalously abundant in the BFP plug and in some large dykes. Veinlets and pockets of coarse apatite-biotite-bornite-calcopyrite, such as those that occur at Granisle, have not been found at Morrison. Gypsum has been observed at places in the copper zone. Very minor amounts of tourmaline were observed in thin sections of BFP and siltstone at four localities near the western edge the copper zone. Minor epidote is found in all parts of the property, but is most common in the outer chlorite-carbonate zone. Minor amounts of sericite are also resent in most localities. Moderate amounts of sericite, accompanied by carbonates, occur in the southern third of the large rhyodacite dyke and in some siliceous sedimentary rocks in the southeastern part of the pyrite halo.

As is evident from the above, hydrothermal zoning at Morrison, like copper zoning, is relatively uniform. Except for superimposed, structurally controlled clay-carbonate alteration, there are no significant reversals in the mineralogy.

Exploration Programmes

Trenching

During October, November 1999, and June - October, 2000 extensive programmes of trenching were done on the Morrison property. Various large backhoes (Kobelco mostly) were used to excavate and extend the trenches originally dug by bulldozer for Noranda Exploration - probably in 1964.

These old trenches had "sloughed in" and being originally excavated by bulldozer, they had not been successful in achieving continuous exposure of bedrock. The modern backhoe trenches provided a much more continuous exposure of bedrock - enabling copper and gold values to be sampled and assayed over entire trenched distances in some cases.

Initially the trenches were logged in 5m lengths. Lithology, alteration, fracture density were all observed plus estimates of chalcopyrite, bornite and pyrite content. Each 5m sample was then analysed for 30 elements by I.C.P. methods. Subsequently sampling intervals were changed to 10m lengths.

Location of the trenches are shown in Figure 3. Logs of mapping of the trenches and analytical certificates are shown in Appendix A. [Some analytical certificates date from after 31 August 2000 due to time delays in submitting samples for analysis. These results are included in this report because they are part of the overall data produced but they are <u>not</u> part of the assessment work in this report that is detailed in Statement of Costs for assessment work credit.]

Diamond Drilling

In October 1999 Pacific Booker drilled a vertical hole Mo-4 which was deepened as part of the year 2000 programme. Hole 99-3 was also deepened as part of the year 2000 programme.

The recent programme of drilling started 20 April 2000 and was completed 9 November 2000. Details of holes drilled by Pacific Booker since the start of its programme at Morrison up to 31 August 2000 are shown in the following table. All holes were drilled with NQ diameter, diamond drill equipment by Falcon Drilling of Prince George, BC. Core is stored at Pacific Bookers Camp at the property.

Hole	Easting	Northing	Azimuth	Dip	Total Depth (ft)	Total Depth (m)	Date of Drilling
MO-1	3000	3774	092	70	797	242.9	16-22 Jan 1998
MO-2	2950	3810	090	50	1275	388.	23-29 Jan. 1998
MO-3	3050	3866	090	45	334	101.8	30 Jan-4 Feb. 1998
The above holes for reference only, NOT included in the assessment report.							
ext.	3050	3866	090	45	1044	318.21	1-5 Aug. 2000
MO-4	3125	3870		90	1019	310.67	16-25 Oct. 2000
ext.	3126	3874		90	1491	454.46	20-27 Apr. 2000
MO-5	3010	3805	092	75	1447	441.05	28 Apr.-8 May, 2000
MO-6	3190	3932	090	78	1221	372.01	9-18 May, 2000
MO-7	3548	3394	270	77	1203	366.67	19 May-11 Jun. 2000
MO-8	3330	3564	270	70	1071	326.44	12-20 Jun. 2000
MO-9	3406	3205	-	90	1007	306.93	21-27 Jun 2000
MO-10	3390	3350	270	60	896	273.1	28 Jun-8 Jul 2000
MO-11	3410	3340	090	70	1077	328.27	10 Jul-16 Jul. 2000
MO-12	2985	3560	090	45	1116	340.16	6-15 Aug. 2000
MO-13	2985	3560	270	45	495	150.88	16-19 Aug. 2000
MO-14	3108	3445	090	50	997	303.89	20-27 Aug. 2000
MO-15	3490	3200	090	45	1026	312.73	28 Aug-5 Sept, 2000

In order to ensure accuracy of sampling and assaying, Pacific Booker maintained a quality control programme throughout the drilling:

a. A geotechnical log of each hole was made which noted recoveries achieved in each 10 ft (3.05 m) section. This log also noted condition of drill core, i.e. amount of broken material present. Generally core recovery using modern hydraulically driven, thin walled NQ drill rods was 100%. In fractured zones minor amounts of material were lost.

b. Core was split or sawn into two halves. One half was taken as a sample for assay (10 ft. Or 3.05

m lengths). The other half was replaced in the core box for reference

c. The core samples were either assayed for copper and gold or analysed by I.C.P. for 30 elements.

d. Pacific Booker commissioned CDN Resource Laboratories Ltd. To prepare copper standards. A set of gold standards were purchased from Rock Labs of Auckland, New Zealand. These standards were inserted in the material submitted for analysis to ensure the accuracy of assaying procedures. Blank core samples were also inserted randomly.

Drill logs and assay certificates are contained in Appendix B. Petrographic work by Vancouver Petrographics is detailed in Appendix C.

Results of the drilling programme are summarized as follows:

Deepening of hole Mo-98-3 completed Phase I of the drilling programme at the Morrison porphyry copper gold deposit.

The aims of the Phase I programme were outlined as follows:

1. Establish grade and <u>continuity</u> of copper values, using modern state of the art thin walled NQ hydraulically driven drill equipment, which achieves essentially 100% recovery. All previous drilling (95 holes) dates from 1963 to 1973. All of these holes were small diameter core size which resulted in inconsistent core recovery and made accurate assaying difficult. This necessitated Pacific Booker redrilling within the known porphyry deposit with modern equipment.

2. Establish gold and silver grades (Few of the original drill holes were assayed for these metals.)

3. Explore the depth of the copper/gold/silver bearing system. Historic drilling was by 45-degree angle, short holes, which had explored the system to a maximum depth of 500 vertical feet. (150 metres).

The Phase I programme adequately achieved its stated aims by successfully defining higher copper grades; establishing significant gold values within the known deposit and extending the system to increased depth with holes Mo-99-4 and Mo-00-9.

During the course of the Phase I drilling it became evident that the Morrison deposit had not been fully explored on the west, northwest and north sides.

Pacific Booker's initial Phase II programme was therefore extensive trenching, drilling and geophysics in these areas to locate and define the deposit boundaries. Mapping of alteration zoning with attendant mineralization was utilized to assist in defining the true size of the Morrison deposit. To date the Morrison deposit is open to depth and to the west, north and northwest.

The 11 holes comprising the Phase I programme are summarized in the following table. Locations are shown on Figure 3.

MORRISON DEPOSIT
SUMMARY OF PHASE I DIAMOND DRILLING

Drill hole	Azimuth	Dip Angle	Hole Length (metres	Intercepts from (m)	To (m)	Length metres	Feet	Copper %	Gold grams/ tonne	Silver grams/ Tonne
Mo-98-1	90	-70	239.8	3.10	239.80	236.7	780	0.41	0.29	1.40
			includes	*3.10*	*96.60*	*93.50*	*310*	*0.72*	*0.53*	*2.25*
				26.50	*34.60*	*8.10*	*30*	*1.03*	*0.96*	*3.47*
Mo-98-2	90	-50	388.7	3.90	378.40	374.50	1230	0.50	0.24	1.62
			includes	*86.90*	*285.10*	*198.20*	*650*	*0.61*	*0.29*	*1.91*
				239.20	*285.10*	*45.90*	*150*	*0.81*	*0.48*	*2.27*
Mo-98-3	90	-50	318.8	3.00	266.99	263.99	866	0.51	0.27	2.44
			includes	*3.00*	*101.80*	*98.80*	*325*	*0.60*	*0.27*	*1.73*
				96.00	*101.8*	*5.80*	*20*	*0.70*	*0.36*	*2.16*
Mo-99-4		-90	454.46	4.25	454.46	450.21	1477	0.70	0.40	
			includes	*85.06*	*170.43*	*85.37*	*280*	*0.97*	*0.53*	
				200.46	*228.35*	*27.89*	*92*	*0.98*	*0.49*	
Mo-00-5	92	-75	441.05	2.80	288.72	285.92	938	0.50	0.45	2.85
			includes	*200.00*	*265.00*	*65.00*	*210*	*0.65*	*0.79*	
				212.00	*240.00*	*28.00*	*90*	*0.80*	*1.02*	
Mo-00-6	90	-78	372.01	3.00	372.01	369.01	1211	0.50	0.26	3.00
			includes	*55.60*	*133.70*	*78.10*	*250*	*0.60*	*0.26*	
				307.80	*343.00*	*35.20*	*115*	*0.70*	*0.36*	
Mo-00-7	270	-77	366.67	2.44	346.25	343.81	1128	0.44	0.20	1.52
			includes	*174.4*	*340.0*	165.60	*543*	*0.56*	*0.25*	
				312.0	*340.0*	28	*92*	*0.64*	*0.25*	
Mo-00-8	270	-70	326.44	16.15	326.44	310.29	1018	0.50	0.28	
			includes	*42.06*	*142.64*	*100.6*	*330*	*0.61*	*0.20*	
				206.64	*310.27*	*103.63*	*340*	*0.48*	*0.46*	
Mo-00-9	-	-90	306.93	2.13	306.93	304.80	1000	0.42	0.13	
			includes	*200.2*	*249.0*	*48.8*	*160*	*0.64*	*0.18*	
				233.8	*249.0*	*15.2*	*50*	*0.92*	*0.26*	
Mo-00-10	270	-60	273.10	8.20	273.10	264.90	869	0.22	0.14	
			includes	*95.75*	*141.21*	*45.46*	*150*	*0.38*		
Mo-00-11	090	-70	328.27	2.44	328.27	325.83	1069	0.51	0.18	
			includes	*165.75*	*274.84*	*109.09*	*360*	*0.62*		

Note: Figures in italics are higher grade intercepts included within the overall intercept.

Drilling in Phase II has focussed on defining the boundaries of the deposit. This required drilling either from the deposit out or from outside the boundaries into the deposit. Many of these holes, by definition, do not grade in the same range as those within the core areas of the deposit.

Summary of assay results from Diamond Drill Holes MO-12 to MO-15 are as follows:

DDH MO-00-12 to define the south edge of the central zone to the east
from surface to 178.6 Metres (586 feet) .19% copper, .07 grams/tonne gold
178.6 metres-340.16 metres **(530.1 feet) .30% copper, .21 grams/tonne gold.**

DDH MO-00-13	same set up to define the south edge of the central zone to the west from surface to 114.6 metres (376 feet) .13% copper, .04 grams/tonne gold, 114.6-150.88 metres barren
DDH-MO-00-14	to further define the south area of the central zone. From surface to 127.10 metres (417 feet) .09% copper, .04 grams/tonne gold 127.10-303.89 metres **(580 feet) .35% copper .14 grams/tonne gold**
DDH MO-00-15	to further define the south edge of the central zone. From surface to 273.10 metres **(775 feet) /42% copper, .25 grams/tonne gold** 273.1-312.73 metres (130 feet) .13% copper, .09 grams/tonne gold

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Certificate.

I, Christopher J. Sampson, of 2696 West 11th Avenue, Vancouver, BC, V6K 2L6, hereby certify that:

1. I am a graduate (1966) of the Royal School of Mines, London University, England with a Bachelor of Science degree (Honours) in Economic Geology.

2. I have practiced my profession of mining exploration for the past 34 years in Canada, Europe, United States, Central and South America. For the past 25 years I have been based in British Columbia.

3. I am a consulting geologist. I am a registered member in good standing of the Association of Professional Engineers of British Columbia.

4. This report is based on supervision of trenching and drilling programmes at the Morrison Property, BC.

Dated at Vancouver, British Columbia this 4th day of December, 2000.

Christopher J. Sampson, P. Eng.
Consulting Geologist

ITEMIZED COST STATEMENT FOR ASSESSMENT CREDIT

September 16, 1999 to August 31, 2000

Personnel	Consulting Engineer	16.50	days	7,500.00	
	Consulting Geologist	3.00	hours	288.00	
	Prospector	61.00	days	24,400.00	
	Geologists	279.00	days	83,380.00	
	Field Assistants	134.00	days	19,754.80	
	Coresplitters	19.00	days	2,850.00	
	Camp Cook	109.00	days	23,143.00	
	First Aid training			754.75	
	Payroll benefit cost			2,524.37	
	Workers Compensation cost			6,507.19	
					171,102.11
Equipment	Truck rental	116.00	days	5,970.97	
	Excavator	397.72	hours	56,935.03	
	Generator	9.00	days	1,000.00	
	ATV rental	101.00	days	1,010.00	
	Computer rental	80.00	days	400.00	
	Fuel tank rentals			1,297.33	
	Core Storage-rental			2,198.74	
	Radio rentals			2,628.70	
					71,440.77
Camp Costs	Camp food & supplies			14,188.19	
	Camp equipment			10,965.82	
	Fuel & Maintenance costs			17,294.20	
	Small tools/equipment			777.13	
	Road building/snow removal			1,628.01	
					44,853.35
Drilling	Diamond Drilling	13,159.00	feet	321,185.67	
					321,185.67
Assay	Analysis of samples	1,723.00	samples	32,846.32	
					32,846.32
Other disbursements					
Travel	Airfares to property			4,473.45	
	Travel expenses			14,649.85	
	Helicopter			3,068.06	
					22,191.36
Other Items	Drafting & map reproduction			425.88	
	Field Supplies			3,796.30	
	Core boxes			9,041.72	
	Telecommunications			1,817.96	
	Freight			4,778.13	
					19,859.99
		TOTAL			683,479.57

<u>APPENDIX A</u>

A) Trenching - Logs
Assay Certificates

Trench #: 99TR-1 Location: Date: Octobe[illegible], Logged by: G. [illegible] and/or [illegible] O'Brie[illegible] Page 1 [illegible]

Orientation/length: E-W N. Zone, b/w Mo-98-3 and DH-25

		Visual							Descriptive																Assays		
From m	To m	ROCK	strike	dip	strike	dip	VEINS		Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No	Cu %	Au g/t
0	5	+ +			120	70			BFP	K	mdm-dk gy						2-2.5	no	no					Some fresh plag xals - subhedral < 1mm. Dark sugary	99-TR1-053	.45	.28
		+ +			85	35																					
5	10	+ +	135	85	50	10			BFP	K	mdm gy						1			2							
		+ +			120	85	150	90																Feox, malac on fract's	99-TR1-054	.13	.05
10	15	+ +			70	40			BFP	K	mdm gy		fresh	2			<1			2		20		Qz vn's w/ Cp	99-TR1-055	.26	.10
		+ +	165	90	150	85																					
15	20	+ +			10	90			BFP		lt gry		highly w'd 16 - 20m			mild								F/s partially alt'd to kaol. No mafics vis. 2% f.d. cp in unw'r rk. Poor sample.	99-TR1-056	.18	.04
		+ +			25	55																					
20	25	+ +			130	85			BFP	K	mdm gy		fresh											Rock becomes competant and fractured.	99-TR1-057	.35	.16
		+ +	150	90	125	85																					
25	30	+ +			70	90			BFP	Horn.	dk gy		fresh				1-2		tr.					F.d. cp, minor mal, 2 specks of bn.; fresh plag and 1-2 mm of	99-TR1-058	.53	.19
		+ +																									
30	40	+ +			50	70			BFP	K														Poor exposure; light grey BFP to 37 m			
		+ +			50	70																					
		+ +																									
		+ +																									
39-40		+ – +							ZST	baked	grey													39-40 m - siltstone.	99-TR1-059	.26	.09
40	50								BFP	K														Weakly min'd.	99-TR1-060	.14	.11
		+ +			50	70																					
		+ +			155	70																					
		+ +			100	90																					
50	55	+ +							TILL															50-55 is till and no o/c.			
55	60	+ +			50	90																					

0.31

Trench #: 99TR-1 Location: Date: October 1999, Logged By: G. Weary and/or E. O'Brien.

Orientation/length: E-W N. Zone, b/w Mo-98-3 and DH-25

		Visual										Descriptive														Assays		
From m	To m	ROCK		strike	dip	strike	dip	VEINS		Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
		+ +		30	80	120	90			BFP		tan to lt. gy						1-2							Koalinized, cb- ser alt'd. Locally bl'd. Small blebs of cp			
		+ +				140	90																					
60	65	+ +								BFP		mdm - lt gy						<1			1-2				Poor exposure; little cp obs.	99-TR1-061	.27	0.03
64	65	+ +								BFP	prop-phy	lt gy													Ser-clay alt'd.			
65	70	+ +								BFP	K	med gy						1-2			1				Thin qtz veins, some fresh plag	99-TR1-062	.35	.08
		+ +																										
70	85	+ +																							Poor exposure - no sample.	-	-	
85	90	+ +								BFP	bl'd & sil	mdm - lt gy	4					1-2			1-2				Salt n pepper txt, f.d py and pecks of cp. 2-3 mm q vns w/ cp	99-TR1-063	.35	.07
		+ +								BFP	bl'd & sil	mdm - lt gy						<1			1-2				Cont'n of clay alt'd BFP w/ specks f.d py and minor cp @ 97.5 m - sig. inc. in cp assoc. w/ inc. kaol.			
90	100	+ +																								99-TR1-064	.24	.06
100	110	+ +				170	45			BFP	Phy, (Prop) (q-ser, inc.cly)	lt gy						.5			1.5				lg euhed f'spar	TR-1	.35	.09
		+ +		100	90	70	90																			65		
		+ +		120	50	110	90	40	90																			
		+ +	fe ox, weath			30	60	80	90																			
		+ +				30	70	Qz vn's																				
110	120	v v	contact not obs.	90	90	25	70			AND	sil	lt md gy	9					.5			1				Poss. silic silt stone	TR-1	.41	.09
		v v		120	70	120	90																		q-cb-py vnlt's	66		
		v v		50	90	65	80																		cp upto 1% in secn's, f.d. & w/i vn'lts			
		v v		140	70	40	85																					
		v v				60	85																					
120	130	v v		50	90	85	90			AND	sil							.5			1				well fract'd, dec. in cp (only present in blebs w/ py)	TR-1	.19	.05
		v v		115	90	30	65																			67		
		v v		20	80	100	85																					
		v v		120	80	70	85																					
		v v		95	80	165	80																					
						20	85																					

0.31

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: PACIFIC BOOKER ##
10th FLOOR, PRINCESS BUILDING
609 W. HASTINGS ST.
VANCOUVER, BC
V6B 4W4

Project :
Comments: ATTN:GORDON WEARY

Certificate Date: 21-DEC-99
Invoice No. : I9933788
P.O. Number :
Account : MGA

CERTIFICATE OF ANALYSIS A9933788

TRENCH 1
99TR-1

TRENCH 2
99-TR-2

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
99RD2-097	205	294	360	2.2	0.63	12	< 10	500	< 0.5	2	0.68	0.5	11	73	4760	4.26	< 10	< 1	0.39	< 10	0.69
99RD3-098	205	294	95	1.6	0.94	68	< 10	90	< 0.5	4	0.44	2.0	29	40	5080	3.65	< 10	< 1	0.23	< 10	0.24
99RD3-099	205	294	20	0.4	2.11	14	< 10	180	< 0.5	< 2	0.17	< 0.5	25	53	1220	5.31	< 10	< 1	0.39	< 10	1.00
99RD3-100	205	294	35	1.0	1.41	20	10	100	< 0.5	< 2	0.10	< 0.5	22	44	1260	4.85	< 10	1	0.35	< 10	0.57
99RD3-101	205	294	140	4.2	1.21	50	< 10	150	< 0.5	4	0.25	0.5	17	76	4600	4.06	< 10	< 1	0.29	< 10	0.53
99TR1-053	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-054	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-055	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-056	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-057	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-058	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-059	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-060	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-061	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-062	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-063	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-064	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-065	205	294	85	1.0	0.89	64	< 10	60	< 0.5	2	0.92	0.5	20	60	3480	3.53	< 10	< 1	0.02	10	0.24
99TR1-066	205	294	85	2.2	0.76	100	< 10	80	< 0.5	2	0.09	0.5	21	90	4100	2.48	< 10	< 1	0.21	< 10	0.11
99TR1-067	205	294	45	1.0	0.98	66	< 10	150	< 0.5	< 2	0.13	< 0.5	17	59	1885	3.29	< 10	< 1	0.31	10	0.26
99TR1-068	205	294	585	1.4	1.01	16	< 10	370	< 0.5	6	1.44	< 0.5	12	116	5230	4.03	< 10	< 1	0.50	< 10	1.08
99TR2-001	205	294	335	1.8	1.27	830	< 10	40	< 0.5	4	1.29	0.5	13	86	4920	5.70	< 10	< 1	0.53	< 10	1.07
99TR2-002	205	294	200	2.6	1.06	10	< 10	580	< 0.5	2	1.10	0.5	11	79	3030	3.67	< 10	< 1	0.58	10	1.07
99TR2-003	205	294	330	3.6	0.78	38	< 10	190	< 0.5	4	1.78	0.5	15	81	4420	4.05	< 10	3	0.20	10	0.87
99TR2-004	205	294	185	0.8	1.49	2	< 10	520	< 0.5	4	0.63	0.5	14	118	3310	3.47	< 10	1	0.79	10	1.37
99TR2-005	205	294	225	0.8	1.19	2	< 10	290	< 0.5	2	0.48	< 0.5	14	104	3340	3.47	< 10	< 1	0.65	10	1.11
99TR2-006	205	294	190	0.8	1.30	2	< 10	310	< 0.5	< 2	0.46	< 0.5	13	111	2780	3.14	< 10	1	0.76	10	1.33
99TR2-007	205	294	255	1.0	1.34	6	< 10	280	< 0.5	2	0.48	< 0.5	11	110	3320	3.05	< 10	< 1	0.65	< 10	1.39
99TR2-008	205	294	265	1.0	1.38	2	< 10	330	< 0.5	4	0.42	< 0.5	13	142	4010	3.10	< 10	1	0.90	10	1.38
99TR2-009	205	294	405	1.4	1.59	< 2	< 10	310	< 0.5	6	0.33	0.5	15	128	5740	3.21	< 10	1	1.01	< 10	1.58
99TR2-010	205	294	390	1.6	1.65	6	< 10	310	< 0.5	6	0.34	< 0.5	16	120	6990	3.32	< 10	1	1.14	10	1.66
99TR2-011	205	294	190	1.0	1.33	4	< 10	210	< 0.5	2	0.23	0.5	12	159	4100	2.83	< 10	< 1	0.63	10	1.06
99TR2-012	205	294	160	0.8	1.43	< 2	< 10	330	< 0.5	< 2	0.37	< 0.5	14	111	3200	3.35	< 10	< 1	0.80	10	1.47
99TR2-013	205	294	185	1.0	1.04	8	< 10	480	< 0.5	2	1.15	< 0.5	12	85	3960	2.61	< 10	< 1	0.51	10	0.97
99TR2-014	205	294	195	1.2	1.45	6	< 10	420	< 0.5	2	0.47	< 0.5	14	131	4140	3.08	< 10	< 1	0.92	10	1.41
99TR2-015	205	294	110	0.8	1.18	6	< 10	280	< 0.5	2	0.21	0.5	10	164	2710	2.13	< 10	1	0.46	10	0.72
99TR2-016	205	294	210	1.8	0.99	< 2	< 10	320	< 0.5	4	0.83	1.5	13	88	5360	2.65	< 10	1	0.46	10	0.87
99TR2-017	205	294	145	1.2	1.52	2	< 10	210	< 0.5	2	0.62	0.5	15	125	4410	2.73	< 10	< 1	0.83	10	1.40
99TR2-018	205	294	130	1.8	1.15	16	< 10	300	< 0.5	2	0.76	1.5	17	128	4020	3.01	< 10	< 1	0.50	10	0.96
99TR2-019	205	294	80	0.6	1.18	14	< 10	360	< 0.5	< 2	0.26	< 0.5	14	101	3460	2.57	< 10	1	0.34	10	0.62

CERTIFICATION:______________________

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: PACIFIC BOOKER ##
10th FLOOR, PRINCESS BUILDING
609 W. HASTINGS ST.
VANCOUVER, BC
V6B 4W4

Project :
Comments: ATTN:GORDON WEARY

Certificate Date: 21-DEC-99
Invoice No. : 19933788
P.O. Number :
Account : MGA

CERTIFICATE OF ANALYSIS A9933788

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
99RD2-097	205	294	670	3	0.03	34	1210	8	0.33	< 2	5	67	0.11	< 10	< 10	83	< 10	114
99RD3-098	205	294	300	221	< 0.01	133	720	26	1.48	2	8	15	< 0.01	< 10	< 10	57	< 10	198
99RD3-099	205	294	600	22	0.03	106	610	12	0.86	2	6	13	< 0.01	< 10	< 10	60	< 10	64
99RD3-100	205	294	325	34	0.02	104	350	2	2.01	< 2	5	11	< 0.01	< 10	< 10	49	< 10	52
99RD3-101	205	294	500	96	0.02	96	560	14	0.72	< 2	4	14	< 0.01	< 10	< 10	48	< 10	192
99TR1-053	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-054	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-055	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-056	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-057	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-058	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-059	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-060	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-061	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-062	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-063	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-064	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-065	205	294	220	50	< 0.01	72	710	14	1.06	2	7	33	< 0.01	< 10	< 10	63	< 10	132
99TR1-066	205	294	205	70	< 0.01	78	100	40	1.21	< 2	4	25	< 0.01	< 10	< 10	28	< 10	174
99TR1-067	205	294	260	42	0.01	94	110	12	0.90	< 2	6	15	< 0.01	< 10	< 10	39	< 10	60
99TR1-068	205	294	335	3	0.04	32	820	8	0.39	< 2	6	46	0.12	< 10	< 10	88	< 10	88
99TR2-001	205	294	345	4	0.03	42	920	12	3.06	10	6	65	0.13	< 10	< 10	76	< 10	110
99TR2-002	205	294	360	17	0.05	29	1060	4	0.42	< 2	6	61	0.14	< 10	< 10	75	< 10	166
99TR2-003	205	294	595	5	0.03	44	1160	10	1.14	< 2	9	71	0.03	< 10	< 10	79	< 10	114
99TR2-004	205	294	225	3	0.07	40	1060	2	0.21	< 2	5	35	0.18	< 10	< 10	99	< 10	104
99TR2-005	205	294	190	3	0.07	37	1020	6	0.23	2	4	28	0.18	< 10	< 10	105	< 10	80
99TR2-006	205	294	170	2	0.08	40	1090	< 2	0.13	< 2	5	30	0.22	< 10	< 10	101	< 10	76
99TR2-007	205	294	185	3	0.08	41	980	6	0.20	< 2	6	29	0.19	< 10	< 10	96	< 10	88
99TR2-008	205	294	165	13	0.08	50	790	6	0.17	< 2	10	28	0.23	< 10	< 10	110	< 10	72
99TR2-009	205	294	175	4	0.07	48	1020	6	0.25	< 2	9	26	0.25	< 10	< 10	113	< 10	84
99TR2-010	205	294	205	7	0.07	48	1000	6	0.41	< 2	10	26	0.27	< 10	< 10	111	< 10	102
99TR2-011	205	294	245	16	0.07	58	480	8	0.26	< 2	10	17	0.16	< 10	< 10	109	< 10	106
99TR2-012	205	294	185	9	0.07	52	1010	6	0.18	< 2	7	31	0.21	< 10	< 10	110	< 10	68
99TR2-013	205	294	240	9	0.06	40	980	6	0.35	2	7	68	0.13	< 10	< 10	74	< 10	84
99TR2-014	205	294	190	16	0.08	47	870	6	0.39	< 2	8	39	0.24	< 10	< 10	106	< 10	98
99TR2-015	205	294	235	42	0.05	67	190	6	0.24	< 2	10	17	0.07	< 10	< 10	83	< 10	130
99TR2-016	205	294	290	17	0.07	47	730	8	0.55	< 2	6	44	0.10	< 10	< 10	67	< 10	340
99TR2-017	205	294	215	23	0.08	56	870	14	0.55	< 2	9	31	0.18	< 10	< 10	98	< 10	178
99TR2-018	205	294	340	21	0.06	72	630	10	0.52	< 2	10	40	0.10	< 10	< 10	95	< 10	316
99TR2-019	205	294	280	48	0.04	80	340	10	0.35	< 2	8	24	0.05	< 10	< 10	79	< 10	130

TR 1.

TR 2

CERTIFICATION:________________

Trench #: MVF 2000-TR1 TRENCH 1. [illegible] on [illegible] in trench Page 2

Orientation/length: West to 4m, dog leg to [illegible] to [illegible] to 65m, bears to 255° to EOT - 120m. 140m west of 78-MU-2

9/23/00

		Visual					Descriptive																Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
0	10	+ +	/	220	55		BFP	cly + sil.	lt gy	7	M	—	5	—	tr	—	tr	3	<1	—		Lt gy loc wh. txt obl't BFP. Py in masses & f.d	TR-1-300	655	
10	20	? deep o/b 13m (FAULT ?) — POSS FAULT ZONE (?)					BFP / ZST	as above / K + minor cly + loc sil	mdm gy	6	W	—	5	—	.6-.8	—	tr-low	1-1.5	1-1.5	—		10.5 - steep ledge and deep rock o/b to 13m (5m). py>cp on fract and minor diss. Some s.wk. fracting. Few py vnlets.	TR1-301	3359	
20	30		\	290	80		ZST	K, minor cly	mdm gy	5	W	—	<5	—	<.5	—	tr	1	1	—		shallow ob to <1 Minor mal on fract ± py ± cpy	TR-1 302	2937	
30	34 / 40						ZST / BFP	K, clay / phyl. Some Kaol.	as above / buff gy	6-7	v. wk-N	—	<5	—	<.5	—	tr	1-3	1.5-3	—		Few fractures in this secn. Some relict fbs → pert. altd → clay. Txt, loc ob'td. py in blebs & f.d A few Kalfd boulders	TR-1 303	2770	
40	50	phyl / K; K	/	255	85		BFP	K, loc phyl.	mdm gy to buff gy	7	M	—	<5	—	1-1.5	—	low-mod	1		5-7 bio bx		Pervasive mal on fract. cp & py f.d. Some sugary masses.	TR-1 304	4554	

Trench # 2000 TR-1 Location

Orientation/length E-W

			Visual					Descriptive															Assays		
	From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
50		52						BFP	K	as above										—	—		contact w/ ZST @ 52m.	TR-1-305		
		56-57 60	mod-wkly bx'd. BFP.		165 308 215 [illegible]	81 65 90 80/70 x2		ZST	K, clay halos to phyl	lt-gry-buff gry	6-7 9	W-M	—	5	—	<.5	—	tr.	<1	1-5	—		.sw fracturing. . ZSt is locally brecciated, sil & oly altd. & carb. Mina <1m phyl BFP		2442	
	60	70			76 142 40	90 SV 85		ZST	K-phyl v. loc. bl'd & sil.	lt to mom gry	4-6	W	—	5	—	.6 .7	—	low mod	1-1.5		—		. Some mal. on fracts. . sw veining . locally bl'd or sil. but mainly quite soft. v. fine, sugary SU's & v.f.d.	TR1-306	3605	
	70		<50 cm fract. SLICKS		210	88	(major fract's)	ZST	AS	ABOVE but more fractured.													cp + mal. on fractures. (selok dyke)	TR-1 307		
		72.5						BFP.	Phyl	lt gy/buff	5-6	W	—	6	—	.5	—	low	<1	1	—		Mina gouge, heavily fract'd area @ 70-70.5m, slicks @ 72m.			
		73.5			sw			mFC DYKE	un.	dk gry	5	N-W		—	—	—	—	—	—	—	—		cont. w/ BFP @ 72.5m.			
		80			heavily fract'd			BFP.	cly alt'd txt. obl't.	lt gy (chalky)	5-6	W	—	5-7	—	—	—	—	tr-.5	1.5	—		MFC dyk @ 73.5-74 w/ small ufls phyrics.		1993	
	80				230 100 220	90 80 85		BFP	phyl.	buff-lt. gry	6-7	W	—	<5	—	tr.	—	—	1-1.5	<1	—		Txt. mainly obl't.	TR-1 308	1334	
		8							K-phyl	lt-mom gry	6	M	W	<5	—	.3-.5	—	tr	1-2				5-10% sec. bio. Some ser-cly altn Txt part. obl't.			
90			BFP mix		Blocky large fractures			BFP	K-cly	"	6	W	—	<5	V. wk	.5	—	—	1.5	1.5			cp on fractures Mom-ltgry txt obl'td? ppy. Too coarse g. to be zst. Some bleaching. Veys feet & [illegible] Some minor Zst w/ BFP.	TR1-309	2464	
100																										

310

311

Trench # [illegible]
Orientation/length E-W

Location

Page __ of __

			Visual					Descriptive																Assays		
	From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
100		110	+ + + + + + + +	╲ Too steep	006	82		BFP	K + (cly)	mdm gry	6-7	V. low	N	<5	—	.5	—	—	1-2	2	7		<10% 2nd. biot. Lg. blocks, compet.	TK-1 310	7/8	
110		115	+ + + + + + +	Too steep				BFP	K- + (cly)	mdm gry	7	low	M	<5	—	.5-1	—	—	2	2	5		Sim. to above. V. steep embnkmt Lots of 2nd. bio. some coarse cpy Py+cp smears – Py>cp 2:1 or 2.5:1	TR-1 311	9/10	

END OF TRENCH @ 115m – also end of steep embankment.
Joins road but rd is 5m further west (gully rd)

ACME ANALYTICAL LABORATORIES LTD. ... E. HASTINGS ST. VANCOUVER BC ... 1R... PHONE(60...)253-... FAX(...)2... 1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A003865 Page 1

10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: L. Vince Williams

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** gm/mt	Sample lb
TR-1-300	7.3	655	27	162	.4	90	25	795	2.93	199	1	<2	2	56	1.0	4.1	<.5	51	.98	.008	7	62	.35	313	.005	4	.69	.009	.12	<1	<1	6.4	<1	.12	1	<.01	6.0
TR-1-301	14.6	3359	14	92	2.0	52	20	494	3.15	49	1	<2	3	37	.5	1.6	<.5	66	.80	.010	9	42	.24	98	.008	3	.91	.030	.11	1	1	12.0	<1	.36	2	.09	7.0
TR-1-302	77.8	2957	7	65	1.3	39	21	244	2.37	18	1	<2	3	24	.3	<.5	<.5	31	.11	.022	10	14	.11	300	.006	3	.86	.088	.23	1	<1	6.3	<1	.38	1	.12	6.0
TR-1-303	20.3	2770	8	103	.8	79	24	359	3.12	13	3	<2	4	95	.4	<.5	<.5	108	1.83	.129	22	90	.49	487	.007	4	.87	.034	.05	1	<1	14.4	<1	.35	2	.10	6.0
TR-1-304 0.23	75.4	4554	5	137	1.5	61	27	237	4.32	12	3	<2	4	45	.4	<.5	<.5	141	.69	.143	23	97	1.81	377	.327	3	1.60	.107	1.38	1	<1	11.2	<1	.62	8	.14	6.5
TR-1-305	36.2	2442	6	73	.9	40	15	285	2.55	23	1	<2	2	31	.3	<.5	<.5	54	.39	.097	17	24	.27	356	.015	3	.99	.029	.24	1	<1	8.0	<1	.44	2	.08	7.0
TR-1-306 TR1	122.4	3605	18	144	2.8	59	19	378	2.58	66	1	<2	2	24	.8	1.5	<.5	45	.64	.017	9	14	.21	238	.001	6	.82	.010	.18	<1	<1	9.6	<1	.38	1	.11	7.0
TR-1-307	57.8	1993	8	74	.7	57	15	335	2.46	45	1	<2	2	49	.3	<.5	<.5	57	1.33	.063	38	50	.39	340	.004	5	.93	.032	.14	1	<1	9.7	<1	.21	2	.05	8.0
TR-1-308	23.1	1334	6	91	.8	96	28	526	4.84	81	3	<2	4	82	.4	1.8	<.5	139	1.30	.091	14	117	1.19	238	.146	2	1.50	.047	.68	<1	1	14.7	3	.41	6	.04	7.0
TR-1-309	20.9	2464	4	87	1.0	63	29	242	5.06	22	6	<2	4	82	.2	<.5	<.5	131	.92	.117	14	109	2.00	230	.245	4	2.89	.228	1.56	1	<1	13.2	2	1.00	13	.07	15.5
TR-1-310	7.8	718	9	59	.1	55	28	154	5.68	4	2	<2	5	65	<.2	<.5	<.5	131	.81	.173	21	92	1.99	145	.280	3	2.38	.175	1.42	<1	<1	10.7	2	1.74	11	<.01	11.5
TR-1-311	24.6	910	6	69	.3	52	28	223	5.35	55	2	<2	5	66	<.2	<.5	<.5	128	.79	.174	21	90	2.15	200	.281	3	2.33	.164	1.47	1	<1	10.7	1	1.23	12	.03	15.0
TR-4-312	12.9	1767	3	60	.4	52	12	176	2.60	1	1	<2	5	40	<.2	<.5	<.5	116	.48	.126	16	90	1.72	526	.267	<1	1.54	.121	1.11	1	<1	9.7	1	.14	6	.09	11.0
TR-4-313	33.9	3837	9	107	.9	58	15	186	2.97	15	2	<2	4	73	.6	<.5	<.5	108	.85	.121	17	57	1.13	281	.173	<1	1.18	.079	.72	2	<1	10.5	2	.52	5	.13	18.0
TR-4-314 TR4	73.5	3099	21	98	.9	97	16	576	3.06	4	1	<2	3	33	.4	<.5	<.5	88	.46	.104	15	76	.69	256	.073	6	1.34	.063	.42	1	<1	9.4	<1	.69	4	.10	13.0
TR-4-315	23.4	558	14	162	.5	37	8	452	2.24	80	1	<2	2	42	.7	3.7	<.5	52	.98	.052	6	39	.34	441	.002	4	.64	.005	.08	1	<1	9.6	<1	.17	1	.01	3.0
RE TR-4-315	22.7	525	14	162	.5	37	8	456	2.25	80	1	<2	2	43	.7	3.7	<.5	52	.98	.052	6	39	.34	442	.002	2	.63	.004	.08	1	<1	9.7	<1	.17	1	.02	-
TR-4-316 0.185	34.5	1692	14	141	1.5	77	35	518	4.58	385	3	<2	2	64	.3	5.4	<.5	92	.73	.093	11	64	.21	132	.005	3	.94	.004	.08	1	1	10.2	<1	.25	2	.03	14.5
TR-4-317	3.6	2709	7	108	1.8	39	33	301	1.89	493	1	<2	2	41	.4	3.2	<.5	39	.31	.054	6	32	.11	201	.001	1	.72	.006	.06	2	1	5.5	1	.35	1	.07	13.0
TR-4-318	4.4	681	22	62	.7	47	16	297	2.06	331	2	<2	2	39	.2	3.1	<.5	42	.30	.056	9	30	.13	241	.001	3	.78	.003	.10	<1	1	4.6	1	.37	1	.02	13.5
TR-7-319	1.3	705	8	54	.5	41	32	117	2.88	43	1	<2	1	17	.2	2.0	<.5	32	.20	.039	6	16	.21	157	.008	1	1.15	.050	.28	1	<1	5.7	1	.87	2	<.01	3.5
TR-7-320 TR7	5.1	1021	15	164	2.3	37	28	329	2.56	160	1	<2	1	16	1.2	1.8	<.5	34	.20	.039	10	15	.20	134	.003	3	1.05	.034	.31	<1	<1	3.9	<1	.41	2	.03	12.0
TR-7-321	5.4	1050	19	410	1.4	48	18	435	4.12	163	2	<2	3	42	2.2	<.5	<.5	110	1.04	.139	10	87	1.93	248	.082	3	2.03	.071	.48	1	<1	7.7	<1	.66	9	.02	13.0
TR-7-322	6.7	2211	24	317	7.3	41	23	463	4.66	182	2	<2	4	45	1.4	.5	<.5	85	.97	.138	9	51	1.22	149	.051	4	1.29	.050	.40	<1	<1	6.7	<1	1.09	5	.03	12.5
TR-7-323 0.113	2.4	501	9	85	.5	65	20	215	3.76	41	1	<2	1	33	.4	<.5	<.5	56	.42	.055	7	26	.52	113	.013	2	1.19	.066	.30	1	<1	6.1	1	1.28	3	<.01	7.0
TR-7-324	1.4	1316	22	114	2.8	60	89	417	5.30	246	1	<2	1	22	.5	<.5	<.5	78	.28	.095	7	38	.51	190	.050	5	1.88	.056	.40	1	<1	7.9	1	.95	6	.01	5.0
TR-6-325	28.6	1455	36	267	4.0	62	14	542	4.79	84	1	<2	4	28	1.0	<.5	1.3	87	.61	.116	22	67	1.37	310	.070	6	1.78	.056	.39	2	<1	6.6	<1	.58	8	.05	8.0
TR-6-326	12.1	1524	11	135	3.5	46	19	328	5.65	58	2	<2	4	27	.3	<.5	1.1	109	.32	.129	18	80	1.59	159	.172	1	1.98	.075	.89	<1	<1	8.3	2	1.08	9	.05	11.0
TR-6-337	8.6	997	6	91	.9	43	27	256	4.99	73	4	<2	3	30	.2	.6	.6	113	.41	.119	20	79	1.73	160	.206	3	1.96	.076	1.21	1	<1	9.3	<1	1.24	10	.02	6.0
TR-6-338	20.4	1066	7	284	1.8	70	88	575	4.98	731	3	<2	4	50	.9	<.5	<.5	121	1.12	.134	11	84	1.98	206	.089	5	2.02	.069	.42	<1	<1	9.0	<1	.59	9	.03	12.0
TR-6-339 0.118	4.9	696	6	83	.7	37	18	217	3.40	59	1	<2	2	23	.3	.5	<.5	65	.37	.060	9	51	.78	201	.054	<1	1.40	.059	.52	1	<1	6.9	<1	.78	4	<.01	6.0
TR-6-340	4.0	1504	13	150	3.1	42	21	288	3.85	81	2	<2	3	20	.7	.6	<.5	84	.37	.104	7	55	1.25	211	.117	<1	1.42	.054	.65	<1	<1	6.5	2	.76	6	.02	7.0
TR-6-341	5.6	1631	7	160	3.0	47	22	368	4.58	142	2	<2	4	32	.8	.5	.6	101	.60	.143	16	68	1.42	263	.186	1	1.62	.081	.93	1	<1	8.8	1	.71	7	.07	7.5
TR-6-342	4.4	604	4	58	.4	42	13	215	4.21	5	3	<2	4	35	<.2	<.5	<.5	130	.48	.143	10	92	2.11	300	.281	1	2.06	.105	1.49	<1	<1	10.9	2	.87	11	<.01	4.0
STANDARD C3/AU-1	27.7	67	34	167	5.5	38	13	819	3.44	59	24	2	22	30	23.5	17.4	23.9	83	.61	.097	21	182	.63	163	.092	23	1.87	.041	.17	15	1	4.6	1	.03	7	3.51	-
STANDARD G-2	1.5	5	3	45	<.1	7	4	557	2.05	<1	3	<2	5	78	<.2	<.5	<.5	42	.68	.105	10	82	.63	247	.139	3	1.01	.106	.53	2	<1	2.7	<1	<.01	4	-	-

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 2 2000 **DATE REPORT MAILED:** Oct 14/00 **SIGNED BY** ....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

Trench #: 99TR-2
Orientation/length: E-W

Location:
N. Zone, b/w DH-14 and DH-3, 1st sample 15m W of access road

		Visual	FRACT'S						Descriptive															Assays		
From m	To m	ROCK	strike	dip	strike	dip	VEINS		Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %	Description	Sample No.	Cu %	Au g/t
15	20	+ +	280	90	290	45			BFP	k, sil	dk gy	8			10	wk	3	.1		1	1	2-3	Overlying till 3m depth. Cp on fract's FeOx, mass Py. K BFP txt is obl't w/ 2 bio.			
		+ +			220	90				prop-phy	gy-gr to lt gy	2-4	part. weath			wk-mod	.5		tr.	2-3	3	0	Prop BFP: clay alt'd w/ inc. py and less cp. Phy BFP at 18.5 m with abun. Ser.	99-TR2-01	.49	.34
20	23	+ +			230	90			BFP	phy-prop	bl'd to	4				wk	1			2			q stwk vn's w/ minor su's. Cp diss and lg blebs			
23	25	+ +	230	90						k, sil	mdm gy	7				wk	2				1-2		K alt'd 23- 25 m. Abund. 2 bio.	99-TR2-02	.3	.2
25	29	+ v + v + v + v + v + v	340	45	240	80	210	90	AND DYK		dk gy						0				1-2		30 cm thick And dyke with phyrics (< 1mm) & flow banding // to contact. Min. BFP (as above) surrounds DYK.			
29	30	+ ++			235	90	qz	cb	BFP	prop	gr	2-4					0.5			1			Clay altered, mush with locally bl'd and competant.	99-TR2-03	.44	.33
30	34	+ +	230	80	280	80			BFP	prop	lt gy						1						South side of tr. is prop alt'd			
30	35	+ +	230	90	260	90				K, horn	dk gy	8					.1							99-TR2-04	.33	.19
35	40	+ +	320	90	300	90			BFP	K, horn	dk gy	8					1 - 1.4	.1	.5	1						
		+ +	200	90	300	90																		99-TR2-05	.33	.23
40	45	+ +	240	85	310	80			BFP	K, horn	dk gy	9	no				1	.1			<1	<5	Secondary bio as well.			
		+ +	240	45	320	90																		99-TR2-06	.28	.19
45	50	+ +	250	90	290	80			BFP	K, horn	dk gy	8				wk	1		tr.			1-2	Less hornfelsed than above. Much of the txt is obl't.			
		+ +	310	40	220	90											2						Local carb- chl alt'n.			
		+ +	210	90	280	90																				
		+ +	235	45	360	90																				
		+ +	280	90	280	80																		99-TR2-07	.33	.26
50	55	+ +	255	90	230	90			BFP	K, horn, cb	mdm - lt gy						2	.1			5-10 %	0-5	Lt gy BFP appears less min'd and is carb alt'd.Competant, fracts in rhombs (70 deg)			
		+ +	310	80	285	90											1.5	.1								
		+ +	250	90	270	45																		99-TR2-08	.4	.27
55	60	+ +	80	90	100	90			BFP	K	mdm-dk gy						2		mod				Much of the original txt is obl't and there is replace't Cb. Strong hornf. 58-59 m. Rock has a chalky tinge.			
		+ +	0	90	140	90																				

Average 0.36% whole trench

Trench #: 99TR-2 | Location: N. Zone, b/w DH-14 and DH-3, 1st sample 15m W of access road

Orientation/length: E-W

		Visual	FRACT'S						Descriptive															Assays		
From m	To m	ROCK	strike	dip	strike	dip	VEINS		Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %	Description	Sample No.	Cu %	Au g/t
		+ +	90	90	20	85																		99-TR2-09	.57	.41
60	65	+ +	90	90	170	90	85	40	BFP	K, sil	dk gy	9					1-2						Much of the original txt is obl't; occ. Cb veinlets. Less fract than previous.			
		+ +	0	45	150	45																				
		+ +	130	45	80	90																				
		+ +															2							99-TR2-10	.7	.39
65	70	+ +	110	90	100	90			BFP	K, sil, horn	dk gy	8-10	no				1-2			2			diss cp, inc cp on fracts. Upto 20% f.g bio, replacing hornb. Lathes Txt obl't locally. Sw fracturing.			
		+ +	30	90	90	90																				
		- +	30	85	80	75																		99-TR2-11	.41	.19
70	75	- - -	140	75	95	90			ZST		v dk gy	7					.5						more rubbley, inc fract's. BFP w/ abund 2 bio			
		+ -	350	90	93	90			BFP	Hnf, sil		9					1.5			<1	1-2		Euh, unalt'd 1-2 mm plag xals. Mainly BFP			
		+ +	190	90	170	90																		99-TR2-12	.32	.16
75	80	+ +	274	80	0	70			BFP	Hnf, K	dk - mdm gy	9					1-1.5			1-2			Txt obl't locally. Carb alt'n of matrix - givs chalky appear. Minor qtz hem veins. 2 bio.			
		+ +	228	40	98	90																				
		+ +	264	86	240	65																				
		+ +	180	77	30	64																		99-TR2-13	.4	.19
80	85	+ +	90	90	234	90			BFP (loc. AND)	Hnf, sil, K	dk gy	8					1.5			<1	2-3	3-4	Qtz sw at 84 m. Txt obl't, 2 bio. Minor AND last 50 cm			
		+ +	320	90	320	90																				
		+ +	266	60	300	80																				
		+ +	240	72	210	30																		99-TR2-14	.41	.2
85	90	- - -	Flat ledge						ZST	Sil, hnf.	med gy						<1			0.5	2		Qz Stockwork veining. Competant. No structures obs. Sample is several grabs (not chips).			
		- - -																						99-TR2-15	.27	.11
90	95	+ +	238	90	230	80			BFP	Sil, hf	med gy						1 1.5						Txt obl't mainly. 2 bio abund.			
		+ +			218	88																	More Cp at 94- 95m	99-TR2-16	.54	.21
95	100	+ +	60	60	310	88			ZST	Sil	med gy						1-1.2			<1			Mixed BFP w/ 20% ZST. ZST is dull chalky gy w/ lessSu's than BFP.			
		- - -	68	80	120	70			BFP	Sil, hf	med gy						1.5			<1	<1		BFP txt obl't. Abund. 2 bio. Cp is v.f.d.			
		+ +	64	80	64	80																				

Orientation/length: E-W

N. Zone, b/w DH-14 and DH-3, 1st sample 15m W of access road

From m	To m	Visual: ROCK	FRACT'S strike	dip	strike	dip	VEINS	Descriptive: Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %	Description	Assays: Sample No.	Cu %	Au g/t
		+ +	296	80	46	50																	99-TR2-17	.44	.15
100	105	+ +	124	75	296	83		BFP	Sil, hf	med gy						1-1.5			<1	<1	2-3	BFP txt obl't. Upto 25% 2 bio, rare plag xals			
		+ -	57	78	80	50		ZST	Sil	med gy						<1			1-1.2			ZST 104-105 m with BFP on the north wall. BFP is less siliceous than previous.	99-TR2-18	.40	.13
105	110	+ +	34	90	290	74		BFP		dk gy						1.5				<1	2-3	BFP txt obl't. Upto 40% 2 bio, numerous anhedral plag xals. Cp is f.d.			
		+ -						ZST	Sil	med gy						0.5 - 1			1-1.2	1-2		At 108 - 09 joins old N-S drilling road. @ 108 - contact with ZST, loc bl'd. ZST is locally strongly m.fractured	99-TR2-19	.35	.08
110	115	- - -	350	45	30	88		ZST	Sil	med gy						1+				1-2		ZST to 113 m - contact with BFP is no visibe but appears sharp. Moly on fcts.			
		- - -	160	58	80	82																			
		+ +	290	88	45	60		BFP	K	dk - med gy						1-1.5				5	<1	Inc. in cp. Abund 2 bio - very dk matrix.Thin cb mvnlets.			
		+ +	230	70	294	70																	99-TR2-20	.53	.14
115	117.5	+ +	70	85	220	60		BFP	K	dk - med gy				.		1			<1	3-4	<1				
117.5	120	+ +	90	90	0	70		BFP	Prop - phy	Buff - white to lt. gy		2-3				0.5			1			Ser-clay altered.Less vis. su's. Heavy lim. stain.			
		+ +			240	90																	99-TR2-21	.29	.18
120	123.5	+ +	120	87	90	78		BFP	Prop - phy	Buff - white to lt. gy		2-3				0.5			1	3		As above.			
123.5	125	+ +	190	80				BFP	K, Hfd, sil	dk gy				5+	w	1+			0.5			Cp is v.f.d. Siliceous of with qtx etes - 10%. Abund. 2 bio. 2-3% qtz veins	99-TR2-22	.53	.15
125	126	+ +	305	70				BFP	K, Hfd, sil	dk gy				5		1				2		As above.			
126	130	- - -	70	83	353	60		ZST	sil, hfd?	med dk gy	9	1-2		sw		.75-1		tr.	1			Rock is rubbley and highly fractured 100's of m.fract. Upper 1 -1.5 m is more weath'd and fract'd than below.Su's are v.f.	99-TR2-23	.48	.15
130	135	- - -	120	80	110	90		ZST	sil, hfd?	med dk gy	9			sw		.75 - 1.25				2		Sim. to above - rok is either rubbley and v. broken up or perfectly competant. Upper 1 m weath'd and broken.			
		- - -	80	90	70	90																			

Tr[illegible] #: 9[illegible]2 Lo[illegible]n: Pag[illegible]

Orientation/length: E-W N. Zone, b/w DH-14 and DH-3, 1st sample 15m W of access road

From m	To m	Visual: ROCK	FRACT'S strike	dip	strike	dip	VEINS	Descriptive: Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %	Description	Assays: Sample No.	Cu %	Au g/t
		- - - - - - - - -	65 110 30	90 75 45	130 120 170	90 90 90																	99-TR2-24	.29	.09
135	140	- - -			140	80		ZST	sil, hfd?	med to lt gy				sw		1			1	2		As above. Highly fract'r and rubbley. Cb sw veining.	99-TR2-25	.29	.09
140	145	- - -	150	60	40	90		ZST	weakly sil	dk gy				sw		1-1.5						Possibly f.gr.bio.Moly on frct surf.	99-TR2-26	.37	.12
145	150	- + - - - -	80	90	70	90		ZST BFP DYK		lt gy						0.5			1			Poorly exposed - as above10 148 m - then covered. F/s alt'd to clay. NOR DH-02 @ 148m. Small BFP dyk 146.5 for 50 cm	99-TR2-27	.34	.11
150	155	+ + + - + +	115	80	70	90		BFP minor ZST	K	dk gy						2					4	Cp is f.d.; blebs of py. Txt is well preserved with eu to sub Boulders of sil. ZST but not obs. in o/c.	99-TR2-28	.44	.13
155	157.5	+ +	40	80	50	90		BFP	K, sil, hfd	dk gy						2			2			Fresh plag xals. V. weath'd and ox. Last 25 cm.			
157.5	160	- - -						ZST		lt gy						0.5?			1			Hihly fract'd, sw. Lower grade.	99-TR2-29	.34	.09
160	165	- - -	240 90	75 90	120 30 130	85 80 90		ZST	sil	lt gy						.5 .75			1			Weathered with abund. FeOx. Clay alt'n gives speckled txt. Fract'd and blocky.	99-TR2-30	.26	.07
165	170	- - -	105	80	130	90		ZST	sil	lt gy						.3		tr.	1.5			Very resistant rock forming ledges.	99-TR2-31	.14	.04
170	180	- - -	100	90	130	90		ZST	sil	lt med gy						.2 - .5		low				F.d. py and vnlets. Mal on fcts. Only about 20% o/c.Loc clay - kaol specks.	99-TR2-32	.13	.04
180	190	- - -	5	70	80	50		ZST	sil	lt med gy						.2 - .5		low				As above. Deep o/b.	99-TR2-33	.19	.05
190	200	- - - - - -	110 230	70 85	35 270	90 75		ZST	sil	lt med gy						.2 - .5		low				As above	99-TR2-34	.07	.30

ALS Chemex

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To: PACIFIC BOOKER ##
10th FLOOR, PRINCESS BUILDING
609 W. HASTINGS ST.
VANCOUVER, BC
V6B 4W4

Project :
Comments: ATTN:GORDON WEARY

Certificate Date: 21-DEC-99
Invoice No. :I9933788
P.O. Number :
Account :MGA

CERTIFICATE OF ANALYSIS A9933788

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
99RD2-097	205	294	160	2.2	0.63	12	< 10	500	< 0.5	2	0.68	0.5	11	73	4760	4.26	< 10	< 1	0.39	< 10	0.69
99RD3-098	205	294	95	1.6	0.94	68	< 10	90	< 0.5	4	0.44	2.0	29	40	5080	3.65	< 10	< 1	0.23	< 10	0.24
99RD3-099	205	294	20	0.4	2.11	14	< 10	180	< 0.5	< 2	0.17	< 0.5	25	53	1220	5.31	< 10	< 1	0.39	< 10	1.00
99RD3-100	205	294	35	1.0	1.41	20	10	100	< 0.5	< 2	0.10	< 0.5	22	44	1260	4.85	< 10	1	0.35	< 10	0.57
99RD3-101	205	294	140	4.2	1.21	50	< 10	150	< 0.5	4	0.25	0.5	17	76	4600	4.06	< 10	< 1	0.29	< 10	0.53
99TR1-053	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-054	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-055	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-056	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-057	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-058	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-059	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-060	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-061	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-062	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-063	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-064	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-065	205	294	85	1.0	0.89	64	< 10	60	< 0.5	2	0.92	0.5	20	60	3480	3.53	< 10	< 1	0.02	10	0.24
99TR1-066	205	294	85	2.2	0.76	100	< 10	80	< 0.5	2	0.09	0.5	21	90	4100	2.48	< 10	< 1	0.21	< 10	0.11
99TR1-067	205	294	45	1.0	0.98	66	< 10	150	< 0.5	< 2	0.13	< 0.5	17	59	1885	3.29	< 10	< 1	0.31	10	0.26
99TR1-068	205	294	585	1.4	1.01	16	< 10	370	< 0.5	6	1.44	< 0.5	12	116	5230	4.03	< 10	< 1	0.50	< 10	1.08
99TR2-001	205	294	335	1.8	1.27	830	< 10	40	< 0.5	4	1.29	0.5	13	86	4920	5.70	< 10	< 1	0.53	< 10	1.07
99TR2-002	205	294	200	2.6	1.08	10	< 10	580	< 0.5	2	1.10	0.5	11	79	3030	3.67	< 10	< 1	0.58	10	1.07
99TR2-003	205	294	330	3.6	0.78	38	< 10	190	< 0.5	4	1.78	0.5	15	81	4420	4.05	< 10	3	0.20	10	0.87
99TR2-004	205	294	185	0.8	1.49	2	< 10	520	< 0.5	4	0.63	0.5	14	118	3310	3.47	< 10	1	0.79	10	1.37
99TR2-005	205	294	225	0.8	1.19	2	< 10	290	< 0.5	2	0.48	< 0.5	14	104	3340	3.47	< 10	< 1	0.65	10	1.11
99TR2-006	205	294	190	0.6	1.30	2	< 10	310	< 0.5	< 2	0.46	< 0.5	13	111	2780	3.14	< 10	1	0.76	10	1.33
99TR2-007	205	294	255	1.0	1.34	6	< 10	280	< 0.5	2	0.48	< 0.5	11	110	3320	3.05	< 10	< 1	0.65	< 10	1.39
99TR2-008	205	294	265	1.0	1.38	2	< 10	330	< 0.5	4	0.42	< 0.5	13	142	4010	3.10	< 10	1	0.90	10	1.38
99TR2-009	205	294	405	1.4	1.59	< 2	< 10	310	< 0.5	6	0.33	0.5	15	128	5740	3.21	< 10	1	1.01	< 10	1.58
99TR2-010	205	294	390	1.6	1.65	6	< 10	310	< 0.5	6	0.34	< 0.5	16	120	6990	3.32	< 10	1	1.14	10	1.66
99TR2-011	205	294	190	1.0	1.33	4	< 10	210	< 0.5	2	0.23	0.5	12	159	4100	2.83	< 10	< 1	0.63	10	1.06
99TR2-012	205	294	160	0.8	1.43	< 2	< 10	330	< 0.5	< 2	0.37	< 0.5	14	111	3200	3.35	< 10	< 1	0.80	10	1.47
99TR2-013	205	294	185	1.0	1.04	8	< 10	480	< 0.5	2	1.15	< 0.5	12	85	3960	2.61	< 10	< 1	0.51	10	0.97
99TR2-014	205	294	195	1.2	1.45	6	< 10	420	< 0.5	2	0.47	< 0.5	14	131	4140	3.08	< 10	< 1	0.92	10	1.41
99TR2-015	205	294	110	0.8	1.18	6	< 10	280	< 0.5	2	0.21	0.5	10	164	2710	2.13	< 10	1	0.46	10	0.72
99TR2-016	205	294	210	1.8	0.99	< 2	< 10	320	< 0.5	4	0.83	1.5	13	88	5360	2.65	< 10	1	0.46	10	0.87
99TR2-017	205	294	145	1.2	1.52	2	< 10	210	< 0.5	2	0.62	0.5	15	125	4410	2.73	< 10	< 1	0.83	10	1.40
99TR2-018	205	294	130	1.8	1.15	16	< 10	300	< 0.5	2	0.76	1.5	17	128	4020	3.01	< 10	< 1	0.50	10	0.96
99TR2-019	205	294	80	0.6	1.18	14	< 10	360	< 0.5	< 2	0.26	< 0.5	14	101	3460	2.57	< 10	1	0.34	10	0.62

TRENCH 1
99TR-1

TRENCH 2
99-TR-2

CERTIFICATION:________________________

ALS Chemex

Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: PACIFIC BOOKER ##
10th FLOOR, PRINCESS BUILDING
609 W. HASTINGS ST.
VANCOUVER, BC
V6B 4W4

Project :
Comments: ATTN:GORDON WEARY

Certificate Date: 21-DEC-99
Invoice No. : I9933788
P.O. Number :
Account : MGA

CERTIFICATE OF ANALYSIS A9933788

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
99RD2-097	205	294	670	3	0.03	34	1210	8	0.33	< 2	5	67	0.11	< 10	< 10	83	< 10	114
99RD3-098	205	294	300	221	< 0.01	133	720	26	1.48	2	8	15	< 0.01	< 10	< 10	57	< 10	198
99RD3-099	205	294	600	22	0.03	106	610	12	0.86	2	6	13	< 0.01	< 10	< 10	60	< 10	64
99RD3-100	205	294	325	34	0.02	104	350	2	2.01	< 2	5	11	< 0.01	< 10	< 10	49	< 10	52
99RD3-101	205	294	500	96	0.02	96	560	14	0.72	< 2	4	14	< 0.01	< 10	< 10	48	< 10	192
99TR1-053	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-054	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-055	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-056	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-057	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-058	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-059	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-060	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-061	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-062	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-063	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-064	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR1-065	205	294	220	50	< 0.01	72	710	14	1.06	2	7	33	< 0.01	< 10	< 10	63	< 10	132
99TR1-066	205	294	205	70	< 0.01	78	100	40	1.21	< 2	4	25	< 0.01	< 10	< 10	28	< 10	174
99TR1-067	205	294	260	42	0.01	94	110	12	0.90	< 2	6	15	< 0.01	< 10	< 10	39	< 10	60
99TR1-068	205	294	335	3	0.04	32	820	8	0.39	< 2	6	46	0.12	< 10	< 10	88	< 10	88
99TR2-001	205	294	345	4	0.03	42	920	12	3.06	10	6	65	0.13	< 10	< 10	76	< 10	110
99TR2-002	205	294	360	17	0.05	29	1060	4	0.42	< 2	6	61	0.14	< 10	< 10	75	< 10	186
99TR2-003	205	294	595	5	0.03	44	1160	10	1.14	< 2	9	71	0.03	< 10	< 10	79	< 10	114
99TR2-004	205	294	225	3	0.07	40	1060	2	0.21	< 2	5	35	0.18	< 10	< 10	99	< 10	104
99TR2-005	205	294	190	3	0.07	37	1020	6	0.23	2	4	28	0.18	< 10	< 10	105	< 10	80
99TR2-006	205	294	170	2	0.08	40	1090	< 2	0.13	< 2	5	30	0.22	< 10	< 10	101	< 10	76
99TR2-007	205	294	185	3	0.08	41	980	6	0.20	< 2	6	29	0.19	< 10	< 10	96	< 10	88
99TR2-008	205	294	165	13	0.08	50	790	6	0.17	< 2	10	28	0.23	< 10	< 10	110	< 10	72
99TR2-009	205	294	175	4	0.07	48	1020	6	0.25	< 2	9	26	0.25	< 10	< 10	113	< 10	84
99TR2-010	205	294	205	7	0.07	48	1000	6	0.41	< 2	10	26	0.27	< 10	< 10	111	< 10	102
99TR2-011	205	294	245	16	0.07	58	480	8	0.26	< 2	10	17	0.16	< 10	< 10	109	< 10	106
99TR2-012	205	294	185	9	0.07	52	1010	6	0.18	< 2	7	31	0.21	< 10	< 10	110	< 10	68
99TR2-013	205	294	240	9	0.06	40	980	6	0.35	2	7	68	0.13	< 10	< 10	74	< 10	84
99TR2-014	205	294	190	16	0.08	47	870	6	0.39	< 2	8	39	0.24	< 10	< 10	106	< 10	98
99TR2-015	205	294	235	42	0.05	67	190	6	0.24	< 2	10	17	0.07	< 10	< 10	83	< 10	130
99TR2-016	205	294	290	17	0.07	47	730	8	0.55	< 2	6	44	0.10	< 10	< 10	67	< 10	340
99TR2-017	205	294	215	23	0.08	56	870	14	0.55	< 2	9	31	0.18	< 10	< 10	98	< 10	178
99TR2-018	205	294	340	21	0.06	72	630	10	0.52	< 2	10	40	0.10	< 10	< 10	95	< 10	316
99TR2-019	205	294	280	48	0.04	80	340	10	0.35	< 2	8	24	0.05	< 10	< 10	79	< 10	130

TR 2

CERTIFICATION:________________________

ALS Chemex
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Analytical Chemists * Geochemists * Registered Assayers
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To: PACIFIC BOOKER ##
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CERTIFICATE OF ANALYSIS A9933788

TRENCH 2
99TR2

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
99TR2-020	205	294	135	1.0	1.55	8	< 10	270	< 0.5	8	0.36	0.5	16	107	5290	3.06	< 10	< 1	0.91	10	1.30
99TR2-021	205	294	175	1.6	0.91	66	< 10	140	< 0.5	2	0.23	< 0.5	11	64	2910	2.43	< 10	< 1	0.21	< 10	0.35
99TR2-022	205	294	150	1.4	1.26	54	< 10	200	< 0.5	6	0.60	0.5	18	84	5320	3.08	< 10	< 1	0.49	10	0.89
99TR2-023	205	294	145	1.6	1.19	34	< 10	290	< 0.5	4	0.19	0.5	15	85	4820	2.68	< 10	< 1	0.52	10	0.62
99TR2-024	205	294	85	0.6	0.75	8	< 10	310	< 0.5	2	0.21	< 0.5	16	67	2930	2.94	< 10	< 1	0.35	10	0.34
99TR2-025	205	294	90	0.6	0.85	18	< 10	500	< 0.5	< 2	0.16	< 0.5	13	69	2930	2.51	< 10	< 1	0.33	10	0.25
99TR2-026	205	294	120	1.0	0.81	28	< 10	480	< 0.5	4	0.14	0.5	12	109	3740	2.69	< 10	< 1	0.29	10	0.21
99TR2-027	205	294	105	0.6	1.34	8	< 10	260	< 0.5	2	0.71	< 0.5	17	190	3380	3.07	< 10	< 1	0.52	< 10	0.86
99TR2-028	205	294	125	1.4	2.23	6	< 10	260	< 0.5	4	0.42	0.5	23	117	4400	3.63	< 10	< 1	1.28	10	1.70
99TR2-029	205	294	85	1.0	1.42	32	< 10	140	< 0.5	2	0.39	< 0.5	27	100	3350	4.19	< 10	< 1	0.59	10	0.73
99TR2-030	205	294	70	0.8	0.56	62	< 10	150	< 0.5	< 2	0.12	< 0.5	13	140	2580	1.65	< 10	< 1	0.11	< 10	0.08
99TR2-031	205	294	40	0.6	0.68	60	< 10	200	< 0.5	< 2	0.07	< 0.5	12	132	1400	1.61	< 10	1	0.14	< 10	0.08
99TR2-032	205	294	40	0.6	0.99	36	< 10	220	< 0.5	< 2	0.03	< 0.5	19	105	1270	2.32	< 10	< 1	0.25	< 10	0.17
99TR2-033	205	294	50	0.8	0.79	14	< 10	120	< 0.5	< 2	0.54	< 0.5	17	121	1925	2.36	< 10	1	0.29	< 10	0.48
99TR2-034	205	294	300	0.2	0.65	66	< 10	230	< 0.5	< 2	0.09	< 0.5	18	90	726	2.62	< 10	1	0.25	< 10	0.19
99TR3-068	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR3-069	205	294	335	1.0	0.87	6	< 10	650	< 0.5	4	0.88	< 0.5	11	92	4000	3.40	< 10	1	0.56	< 10	1.03
99TR3-070	205	294	310	0.8	0.90	< 2	< 10	160	< 0.5	2	0.54	< 0.5	9	102	3350	3.93	< 10	1	0.27	< 10	0.94
99TR3-071	205	294	380	1.2	1.16	6	< 10	180	< 0.5	2	0.57	< 0.5	11	96	3840	3.31	< 10	< 1	0.45	< 10	1.09
99TR3-072	205	294	240	1.0	1.23	< 2	< 10	400	< 0.5	2	0.70	< 0.5	12	99	2880	3.66	< 10	< 1	0.66	< 10	1.17
99TR3-073	205	294	175	1.6	1.26	8	< 10	490	< 0.5	2	0.99	1.0	12	106	3450	3.39	< 10	1	0.58	10	1.23
99TR3-074	205	294	160	1.8	1.35	18	< 10	530	< 0.5	2	1.13	2.0	11	107	3420	3.61	< 10	1	0.42	10	0.94
99TR3-075	205	294	115	1.2	0.96	10	< 10	350	< 0.5	6	1.03	1.0	11	124	3000	3.45	< 10	1	0.23	10	0.68
99TR3-076	205	294	195	1.4	0.89	2	< 10	200	< 0.5	< 2	0.61	0.5	9	196	4780	2.17	< 10	< 1	0.52	10	0.91
99TR3-077	205	294	175	1.8	1.33	8	< 10	280	< 0.5	2	0.37	0.5	11	399	3520	2.67	< 10	< 1	0.58	10	1.03
99TR3-078	205	294	120	2.8	1.11	6	< 10	150	< 0.5	< 2	0.36	0.5	7	308	3900	2.34	< 10	< 1	0.23	10	0.73
99TR3-079	205	294	145	3.0	1.11	12	< 10	60	< 0.5	2	0.42	0.5	10	137	4100	2.21	< 10	< 1	0.17	10	0.68
99TR3-080	205	294	80	1.4	1.61	2	< 10	140	< 0.5	< 2	0.20	0.5	13	106	3010	3.08	< 10	< 1	0.33	10	0.77
99TR3-081	205	294	180	4.4	1.50	8	< 10	140	< 0.5	4	0.70	1.5	10	125	4880	3.30	< 10	1	0.41	20	1.07
99TR3-082	205	294	145	1.6	1.69	28	< 10	200	< 0.5	6	0.49	0.5	20	99	4910	3.98	< 10	< 1	0.74	10	1.08
99TR3-083	205	294	130	1.4	1.51	10	< 10	240	< 0.5	6	0.48	< 0.5	17	112	4270	3.00	< 10	2	0.69	< 10	1.00
99TR3-084	205	294	100	1.6	0.62	30	< 10	170	< 0.5	2	0.34	0.5	15	91	3930	2.21	< 10	< 1	0.16	< 10	0.20
99TR3-085	205	294	75	0.8	1.13	6	< 10	160	< 0.5	2	0.08	< 0.5	21	66	2420	3.18	< 10	< 1	0.30	< 10	0.42
99TR3-086	205	294	75	0.8	1.26	4	< 10	200	< 0.5	< 2	0.13	< 0.5	16	83	2320	3.22	< 10	< 1	0.31	10	0.54
99TR3-087	205	294	355	2.2	1.09	22	< 10	490	< 0.5	2	0.60	0.5	12	113	4400	4.08	< 10	< 1	0.59	< 10	1.06

TRENCH 3
99TR3

CERTIFICATION:______________________

ALS Chemex
Aurora Laboratory Services Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: PACIFIC BOOKER ##
10th FLOOR, PRINCESS BUILDING
609 W. HASTINGS ST.
VANCOUVER, BC
V6B 4W4

Project :
Comments: ATTN:GORDON WEARY

Certificate Date: 21-DEC-99
Invoice No. : I9933788
P.O. Number :
Account : MGA

CERTIFICATE OF ANALYSIS A9933788

TR2

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
99TR2-020	205	294	230	57	0.06	78	940	6	0.46	< 2	9	27	0.19	< 10	< 10	102	< 10	132
99TR2-021	205	294	100	53	0.01	33	410	10	0.42	< 2	5	41	0.05	< 10	< 10	53	< 10	100
99TR2-022	205	294	210	67	0.04	53	810	16	0.65	< 2	8	42	0.10	< 10	< 10	81	< 10	170
99TR2-023	205	294	195	113	0.03	71	420	16	0.64	< 2	7	34	0.08	< 10	< 10	66	< 10	176
99TR2-024	205	294	270	66	0.03	106	100	8	0.61	< 2	5	23	< 0.01	< 10	< 10	54	< 10	62
99TR2-025	205	294	225	45	0.03	97	190	6	0.46	< 2	7	28	< 0.01	< 10	< 10	59	< 10	50
99TR2-026	205	294	345	66	0.02	92	180	16	0.37	< 2	5	21	< 0.01	< 10	< 10	59	< 10	130
99TR2-027	205	294	335	42	0.07	99	530	2	0.42	2	11	66	0.08	< 10	< 10	96	< 10	60
99TR2-028	205	294	140	57	0.09	70	1000	8	0.88	< 2	10	35	0.22	< 10	< 10	108	< 10	102
99TR2-029	205	294	135	38	0.03	90	810	10	1.28	< 2	7	31	0.08	< 10	< 10	71	< 10	66
99TR2-030	205	294	135	43	< 0.01	72	50	10	0.53	< 2	3	23	< 0.01	< 10	< 10	22	< 10	72
99TR2-031	205	294	170	18	< 0.01	62	40	10	0.42	2	3	43	< 0.01	< 10	< 10	22	< 10	48
99TR2-032	205	294	290	16	0.01	57	110	10	0.50	4	4	24	< 0.01	< 10	< 10	31	< 10	52
99TR2-033	205	294	230	10	0.01	101	160	8	0.85	< 2	3	30	< 0.01	< 10	< 10	31	< 10	58
99TR2-034	205	294	240	20	0.01	92	160	8	0.43	2	4	17	< 0.01	< 10	< 10	31	< 10	56

TR3

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
99TR3-068	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR3-069	205	294	280	4	0.06	28	930	6	0.31	< 2	6	62	0.16	< 10	< 10	80	< 10	82
99TR3-070	205	294	190	< 1	0.06	25	1020	< 2	0.12	< 2	3	34	0.11	< 10	< 10	110	< 10	58
99TR3-071	205	294	185	2	0.07	28	940	4	0.19	< 2	3	34	0.16	< 10	< 10	92	< 10	62
99TR3-072	205	294	265	2	0.07	30	1040	< 2	0.23	< 2	5	42	0.19	< 10	< 10	92	< 10	80
99TR3-073	205	294	390	4	0.07	43	1130	6	0.36	< 2	7	54	0.15	< 10	< 10	90	< 10	238
99TR3-074	205	294	540	4	0.05	46	1190	6	0.29	< 2	8	53	0.10	< 10	< 10	88	< 10	432
99TR3-075	205	294	465	28	0.04	61	710	8	0.41	< 2	10	47	0.03	< 10	< 10	91	< 10	272
99TR3-076	205	294	235	20	0.06	83	110	10	0.52	< 2	12	26	0.12	< 10	< 10	97	< 10	138
99TR3-077	205	294	215	13	0.05	72	290	8	0.40	< 2	9	19	0.13	< 10	< 10	101	< 10	116
99TR3-078	205	294	235	21	0.04	63	260	10	0.42	< 2	6	15	0.03	< 10	< 10	64	< 10	164
99TR3-079	205	294	255	30	0.04	65	180	18	0.57	< 2	5	14	< 0.01	< 10	< 10	53	< 10	146
99TR3-080	205	294	295	48	0.04	73	240	8	0.75	< 2	7	13	0.01	< 10	< 10	77	< 10	138
99TR3-081	205	294	370	31	0.05	72	910	16	0.63	< 2	7	31	0.06	< 10	< 10	78	< 10	296
99TR3-082	205	294	180	68	0.07	73	810	14	0.76	2	11	48	0.12	< 10	< 10	94	< 10	134
99TR3-083	205	294	150	319	0.10	59	770	14	0.66	< 2	6	50	0.13	< 10	< 10	70	< 10	114
99TR3-084	205	294	185	52	0.01	58	160	14	0.62	< 2	5	21	< 0.01	< 10	< 10	35	< 10	98
99TR3-085	205	294	220	56	0.03	70	130	10	0.95	< 2	6	13	< 0.01	< 10	< 10	47	< 10	68
99TR3-086	205	294	255	47	0.03	93	120	4	0.64	2	5	18	< 0.01	< 10	< 10	56	< 10	44
99TR3-087	205	294	415	3	0.06	40	1000	8	0.34	< 2	5	36	0.16	< 10	< 10	97	< 10	166

CERTIFICATION:______________________

Trench #: 99TR-3
Orientation/length: E-W

Location:
N. Zone, near DH-17 to DH-24

		Visual	FRACT'S					Descriptive															Assays		
From m	To m	ROCK	strike	dip	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %	Description	Sample No.	Cu %	Au g/t
0	4.5	+ +	20	85	170	90		BFP	K	dk gy	8-9	1				2	tr	occ	<.5	3	4	K alt'd to 4.5 m then phyl alt'd (bl'd white to 5.5 m). Cp 2%. Not v. frac'd.			
		+ +	30	80	70	80																			
4.5	5	+ +	20	85	85	10		BFP	phyl	bl'd	4	2				0.5							99-TR3-68	.52	.59
5	5.5	+ +	10	85	50	90		BFP	phyl	bl'd	4	2				0.5			0.5			This sample was obs.to be well min'd but assay is not high. vn'ing. Partial plag to kaol. Abund. 2 bio.			
5.5	10	+ +	110	90	15	90		BFP	K - prop	dk gy	8		wk		wk	2					2-3		99-TR3-69	.34	.4
10	15	+ +	125	90	70	45		BFP	K - phyl	dk gy to bl'd	7-8		wk - mod		no	2		wk		2-3	3	A few bl'd sec'ns			
		+ +	0	90	110	90																			
		+ +	105	90	95	90																	99-TR3-70	.34	.31
15	20	+ +	70	85	175	85		BFP	K	dk gy	8		N			2						Fresher plag than above.			
		+ +	165	83	50	90																	99-TR3-71	.38	.38
20	28	+ +	100	85	85	80		BFP	K - phyl	dk gy	9				wk-mod	2				4-5	5	Well min'd f.d. cp. Qtz vns. Card vns and alt'n. Fresh plag xals 30%. 2 bio 15-20%.			
		+ +	20	80	125	90	10 85																		
		+ +	120	80	80	85	Fe clay alt'd BFP mush																		
		+ +	90	80	150	90																Hole 98-1 at 47.8 m. Road 54-65 m.	99-TR3-72	.29	.24
73.5	80	+ +	160	45	160	45		BFP	K - phyl	mdm - dk gy	9				wk	1-2						Hbl lathes al'd to f.g. 2 bio. Cp f.d. and smears. Minor carb-kaol alt'n.			
		+ +	70	90	20	90																			
		+ +	30	90	150	45																			
		+ +	20	90	120	90																	99-TR3-73	.35	.18
80	85	+ +	70	85	15	90		BFP	K - phyl	mdm gy	7- 8				wk - mod	1 - 1.5					2	Bleached from 85 to 86 m. Inc. in q vns. Slightly lower grade			
		+ +	30	60																			99-TR3-74	.34	.16
85	86	+ +			70	85		BFP	phyl	tan to light gy	6					1 - 1.5			<1			Competent, well fractured rck to this point.			
86	88	+ --	20	30	160	60			K		7			5		1						Covered and slumped. South side of trench has minor ZST w/ 5% q sw vns.	99-TR3-75	.3	.12
88	90	+ +						BFP	phyl	tan to light gy	6				wk	1						Ser- kaol-cd and loc chl alt'd.			

Trench #: 99TR-3
Orientation/length: E-W

Location:
N. Zone, near DH-17 to DH-24

From m	To m	Visual ROCK		FRACT'S strike	dip	strike	dip	VEINS		Descriptive Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %	Description	Assays Sample No.	Cu %	Au g/t
95	100	- - - - - -		 0	 90	90 125	90 80			ZST	sil	lt - dk gy	8			5		2						90- 95 slumped. Cp in fracts and occ. in masses. Inc. in q sw vning.	99-TR3-76	.48	.2
100	105	- - - - - -		 175	 45	20 60	50 60	120	60	ZST	sil							2-3		wk	<1			Fe and mal on fractures Clay alt'd, more intense sil.	99-TR3-77	.35	.18
105	110	- - - - - -		85	80	165	50			ZST	sil							1-2		mod	<1			Inc. of mal on frcts.	99-TR3-78	.39	.12
110	115	- - - + - - -		65 40	85 45	40 120	45 70			ZST BFP	sil							1			1			As above. 1 m sec'n on south side w/ wl poph txt.	99-TR3-79	.41	.15
115	120	- - - - - -		20	45	108	80			ZST	sil							1			1			Inc. of chl, py and minor Cp veinlets.	99-TR3-80	.30	.08
120	125	+ + + +		poor exposure						BFP	K	med gy					wk	1-1.5			.7		2	F/s alt'd to kaol loc., f.g. 2 bio. Txt partially obl't w/ mild chl o/p 125 - 130 o/b	99-TR3-81	.49	.18
130	135	+ +		poor exposure						BFP	K	dk gy		mod to 131.5				1-1.5		wk	1			Abund. 2 bio. F.gr.	99-TR3-82	.49	.15
135	140	+ +		100	85					BFP	K - phyl	dk -lt gy						1-1.5						Mainly hard and competent with 2 bio. Locally kaolinized. Cp is mainly f.d. No sericite.	99-TR3-83	.43	.13
140	145	+ +		145	80					BFP	K - phyl	lt -mdm gy						1+		low	1+			Txt obl't loc but some relict f/s. Su's on fract.	99-TR3-84	.39	.10
145	150	- - - - - - - - -		50 130	85 45	50 110 110	85 90 90			ZST?		lt bluish gy						1			1			Sw veing and fracturing. Very f.gr.	99-TR3-85	.24	.08
150	157	- - - - - -		180	45	135 85	85 90			ZST?		bluish lt - med gy	8					1			1	<1		Some sw veining and fracturing.	99-TR3-86	.23	.08

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To: PACIFIC BOOKER ##
10th FLOOR, PRINCESS BUILDING
609 W. HASTINGS ST.
VANCOUVER, BC
V6B 4W4

Project :
Comments: ATTN:GORDON WEARY

Certificate Date: 21-DEC-99
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CERTIFICATE OF ANALYSIS A9933788

TRENCH 2
99TR2

TRENCH 3
99TR3

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %
99TR2-020	205	294	135	1.0	1.55	8	< 10	270	< 0.5	8	0.36
99TR2-021	205	294	175	1.6	0.91	66	< 10	140	< 0.5	2	0.21
99TR2-022	205	294	150	1.4	1.26	54	< 10	200	< 0.5	6	0.60
99TR2-023	205	294	145	1.6	1.19	34	< 10	290	< 0.5	4	0.19
99TR2-024	205	294	85	0.6	0.75	8	< 10	310	< 0.5	2	0.21
99TR2-025	205	294	90	0.6	0.85	18	< 10	500	< 0.5	< 2	0.16
99TR2-026	205	294	120	1.0	0.81	28	< 10	480	< 0.5	4	0.14
99TR2-027	205	294	105	0.6	1.34	8	< 10	260	< 0.5	2	0.71
99TR2-028	205	294	125	1.4	2.23	6	< 10	260	< 0.5	4	0.42
99TR2-029	205	294	85	1.0	1.42	32	< 10	140	< 0.5	2	0.39
99TR2-030	205	294	70	0.8	0.56	62	< 10	150	< 0.5	< 2	0.12
99TR2-031	205	294	40	0.6	0.68	60	< 10	200	< 0.5	< 2	0.07
99TR2-032	205	294	40	0.6	0.99	36	< 10	220	< 0.5	< 2	0.03
99TR2-033	205	294	50	0.8	0.79	14	< 10	120	< 0.5	< 2	0.54
99TR2-034	205	294	300	0.2	0.65	66	< 10	230	< 0.5	< 2	0.09
99TR3-068	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR3-069	205	294	335	1.0	0.87	6	< 10	650	< 0.5	4	0.88
99TR3-070	205	294	310	0.8	0.90	< 2	< 10	160	< 0.5	2	0.54
99TR3-071	205	294	380	1.2	1.16	6	< 10	180	< 0.5	2	0.57
99TR3-072	205	294	240	1.0	1.23	< 2	< 10	400	< 0.5	2	0.70
99TR3-073	205	294	175	1.6	1.26	8	< 10	490	< 0.5	2	0.99
99TR3-074	205	294	160	1.8	1.35	18	< 10	530	< 0.5	2	1.13
99TR3-075	205	294	115	1.2	0.96	10	< 10	350	< 0.5	6	1.03
99TR3-076	205	294	195	1.4	0.89	2	< 10	200	< 0.5	< 2	0.61
99TR3-077	205	294	175	1.8	1.33	8	< 10	280	< 0.5	2	0.37
99TR3-078	205	294	120	2.8	1.11	6	< 10	150	< 0.5	< 2	0.36
99TR3-079	205	294	145	3.0	1.11	12	< 10	60	< 0.5	2	0.42
99TR3-080	205	294	80	1.4	1.61	2	< 10	140	< 0.5	< 2	0.20
99TR3-081	205	294	180	4.4	1.50	8	< 10	140	< 0.5	4	0.70
99TR3-082	205	294	145	1.6	1.69	28	< 10	200	< 0.5	6	0.49
99TR3-083	205	294	130	1.4	1.51	10	< 10	240	< 0.5	6	0.48
99TR3-084	205	294	100	1.6	0.62	30	< 10	170	< 0.5	2	0.34
99TR3-085	205	294	75	0.8	1.13	6	< 10	160	< 0.5	2	0.08
99TR3-086	205	294	75	0.8	1.26	4	< 10	200	< 0.5	< 2	0.13
99TR3-087	205	294	355	2.2	1.09	22	< 10	490	< 0.5	2	0.60

SAMPLE	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
99TR2-020	0.5	16	107	5290	3.06	< 10	< 1	0.91	10	1.30
99TR2-021	< 0.5	11	64	2910	2.43	< 10	< 1	0.21	< 10	0.35
99TR2-022	0.5	18	84	5320	3.08	< 10	< 1	0.49	10	0.89
99TR2-023	0.5	15	85	4820	2.68	< 10	< 1	0.52	10	0.62
99TR2-024	< 0.5	16	67	2930	2.94	< 10	< 1	0.35	10	0.34
99TR2-025	< 0.5	13	69	2930	2.51	< 10	< 1	0.33	10	0.25
99TR2-026	0.5	12	109	3740	2.69	< 10	< 1	0.29	10	0.21
99TR2-027	< 0.5	17	190	3380	3.07	< 10	< 1	0.52	< 10	0.86
99TR2-028	0.5	23	117	4400	3.63	< 10	< 1	1.28	10	1.70
99TR2-029	< 0.5	27	100	3350	4.19	< 10	< 1	0.59	10	0.73
99TR2-030	< 0.5	13	140	2580	1.65	< 10	< 1	0.11	< 10	0.08
99TR2-031	< 0.5	12	132	1400	1.61	< 10	1	0.14	< 10	0.08
99TR2-032	< 0.5	19	105	1270	2.32	< 10	< 1	0.25	< 10	0.17
99TR2-033	< 0.5	17	121	1925	2.36	< 10	1	0.29	< 10	0.48
99TR2-034	< 0.5	18	90	726	2.62	< 10	1	0.25	< 10	0.19
99TR3-068	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR3-069	< 0.5	11	92	4000	3.40	< 10	1	0.56	< 10	1.03
99TR3-070	< 0.5	9	102	3350	3.93	< 10	1	0.27	< 10	0.94
99TR3-071	< 0.5	11	96	3840	3.31	< 10	< 1	0.45	< 10	1.09
99TR3-072	< 0.5	12	99	2880	3.66	< 10	< 1	0.66	< 10	1.17
99TR3-073	1.0	12	106	3450	3.39	< 10	1	0.58	10	1.23
99TR3-074	2.0	11	107	3420	3.61	< 10	1	0.42	10	0.94
99TR3-075	1.0	11	124	3000	3.45	< 10	1	0.23	10	0.68
99TR3-076	0.5	9	196	4780	2.17	< 10	< 1	0.52	10	0.91
99TR3-077	0.5	11	399	3520	2.67	< 10	< 1	0.58	10	1.03
99TR3-078	0.5	7	308	3900	2.34	< 10	< 1	0.23	10	0.73
99TR3-079	0.5	10	137	4100	2.21	< 10	< 1	0.17	10	0.68
99TR3-080	0.5	13	106	3010	3.08	< 10	< 1	0.33	10	0.77
99TR3-081	1.5	10	125	4880	3.30	< 10	1	0.41	20	1.07
99TR3-082	0.5	20	99	4910	3.98	< 10	< 1	0.74	10	1.08
99TR3-083	< 0.5	17	112	4270	3.00	< 10	2	0.69	< 10	1.00
99TR3-084	0.5	15	91	3930	2.21	< 10	< 1	0.16	< 10	0.20
99TR3-085	< 0.5	21	66	2420	3.18	< 10	< 1	0.30	< 10	0.42
99TR3-086	< 0.5	16	83	2320	3.22	< 10	< 1	0.31	10	0.54
99TR3-087	0.5	12	113	4400	4.08	< 10	< 1	0.59	< 10	1.06

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CERTIFICATE OF ANALYSIS A9933788

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
99TR2-020	205	294	230	57	0.06	78	940	6	0.46	< 2	9	27	0.19	< 10	< 10	102	< 10	132
99TR2-021	205	294	100	53	0.01	33	410	10	0.42	< 2	5	41	0.05	< 10	< 10	53	< 10	100
99TR2-022	205	294	210	67	0.04	53	810	16	0.65	< 2	8	42	0.10	< 10	< 10	81	< 10	170
99TR2-023	205	294	195	113	0.03	71	420	16	0.64	< 2	7	34	0.08	< 10	< 10	66	< 10	176
99TR2-024	205	294	270	66	0.03	106	100	8	0.61	< 2	5	23	< 0.01	< 10	< 10	54	< 10	62
99TR2-025	205	294	225	45	0.03	97	190	6	0.46	< 2	7	28	< 0.01	< 10	< 10	59	< 10	50
99TR2-026	205	294	345	66	0.02	92	180	16	0.37	< 2	5	21	< 0.01	< 10	< 10	59	< 10	130
99TR2-027	205	294	335	42	0.07	99	530	2	0.42	2	11	66	0.08	< 10	< 10	96	< 10	60
99TR2-028	205	294	140	57	0.09	70	1000	8	0.88	< 2	10	35	0.22	< 10	< 10	108	< 10	102
99TR2-029	205	294	135	38	0.03	90	810	10	1.28	< 2	7	31	0.08	< 10	< 10	71	< 10	86
99TR2-030	205	294	135	43	< 0.01	72	50	10	0.53	< 2	3	23	< 0.01	< 10	< 10	22	< 10	72
99TR2-031	205	294	170	18	< 0.01	62	40	10	0.42	2	3	43	< 0.01	< 10	< 10	22	< 10	48
99TR2-032	205	294	290	16	0.01	57	110	10	0.50	4	4	24	< 0.01	< 10	< 10	31	< 10	52
99TR2-033	205	294	230	10	0.01	101	160	8	0.85	< 2	3	30	< 0.01	< 10	< 10	31	< 10	58
99TR2-034	205	294	240	20	0.01	92	160	8	0.43	2	4	17	< 0.01	< 10	< 10	31	< 10	56
99TR3-068	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
99TR3-069	205	294	280	4	0.06	28	930	6	0.31	< 2	6	62	0.16	< 10	< 10	80	< 10	82
99TR3-070	205	294	190	< 1	0.06	25	1020	< 2	0.12	< 2	3	34	0.11	< 10	< 10	110	< 10	58
99TR3-071	205	294	185	2	0.07	28	940	4	0.19	< 2	3	34	0.16	< 10	< 10	92	< 10	62
99TR3-072	205	294	265	2	0.07	30	1040	< 2	0.23	< 2	5	42	0.19	< 10	< 10	92	< 10	80
99TR3-073	205	294	390	4	0.07	43	1130	6	0.36	< 2	7	54	0.15	< 10	< 10	90	< 10	238
99TR3-074	205	294	540	4	0.05	46	1190	6	0.29	< 2	8	53	0.10	< 10	< 10	88	< 10	432
99TR3-075	205	294	465	28	0.04	61	710	8	0.41	< 2	10	47	0.03	< 10	< 10	91	< 10	272
99TR3-076	205	294	235	20	0.06	83	110	10	0.52	< 2	12	26	0.12	< 10	< 10	97	< 10	138
99TR3-077	205	294	215	13	0.05	72	290	8	0.40	< 2	9	19	0.13	< 10	< 10	101	< 10	116
99TR3-078	205	294	235	21	0.04	63	260	10	0.42	< 2	6	15	0.03	< 10	< 10	64	< 10	164
99TR3-079	205	294	255	30	0.04	65	180	18	0.57	< 2	5	14	< 0.01	< 10	< 10	53	< 10	146
99TR3-080	205	294	295	48	0.04	73	240	8	0.75	< 2	7	13	0.01	< 10	< 10	77	< 10	138
99TR3-081	205	294	370	31	0.05	72	910	16	0.63	< 2	7	31	0.06	< 10	< 10	78	< 10	296
99TR3-082	205	294	180	68	0.07	73	810	14	0.76	2	11	48	0.12	< 10	< 10	94	< 10	134
99TR3-083	205	294	150	319	0.10	59	770	14	0.66	< 2	6	50	0.13	< 10	< 10	70	< 10	114
99TR3-084	205	294	185	52	0.01	58	160	14	0.62	< 2	5	21	< 0.01	< 10	< 10	35	< 10	98
99TR3-085	205	294	220	56	0.03	70	130	10	0.95	< 2	6	13	< 0.01	< 10	< 10	47	< 10	68
99TR3-086	205	294	255	47	0.03	93	120	4	0.64	2	5	18	< 0.01	< 10	< 10	56	< 10	44
99TR3-087	205	294	415	3	0.06	40	1000	8	0.34	< 2	5	36	0.16	< 10	< 10	97	< 10	166

TR2

TR3

CERTIFICATION:______________________

Tr # TR 4 [illegible] Lo: ~50 west [illegible] N [illegible] of [illegible] east of RD-4 [illegible] Page 1 of 2
Orientation/length E - W
partially cloudy 18-21°

		Visual					Descriptive																Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
0	10	+ + + + + + +	covered				BFP	K	dk gy	7	1.5	M	5	—	.5	—	—	<1	3	3		Wally could not reach bedrock ~15 m before begining of this tr. v. steep little seen. difficult to obtain b/r. some sub/crop sampled Not v. good sample specks of cp. Abund. 2nd. bio.	TR4 200	0.12	
10	20	+ + + + + + + +	covered \	156	90		BFP	K	mau gy	8	1	W	<5	W	.5 .7	—	low	1	3	2		Discontinuous exposure. likely part sub-crop. part outcrop & till/colluvium.	TR4 201	0.08	
20	30	+ + + + + + + +	partially covered & few fracts.				BFP	phyl to K	lt to mau gy	9	<.5	—	<5	—	.6 .8	—	—	1-1.5	2-3	0-2		V. solid outcrop - difficult to sample V. resistant. visible c.d. cp. Py c.d. & stringers	TR4 202	0.09	
30	40	+ + + + + + + + +	Y	110 202 70 230	80 75 82 60		BFP	K to phyl	mau - lt gy	7-8	.5	—	<5	v. wk	.7-1	—	tr.	1	1-2	1-2		Cp along fractures. & some fcd.	TR4 203	0.15	
40	50	+ + + +	\	274 314	60 40		BFP	K to phyl.	mau. / lt gy / tn	8	.5	—	3-4	—	.5 .7	—	tr.	1-1.3	2	3-4		Py+ cp along fractures. Txt. partially oblit'd. Becomes more phylic to west	TR4-204	0.32	
		intersection w/ RD-4																							
48	50	P. 016																							

0.25%

Tr... # ...4- ... E... SW Lo... We... of R... Page ... 2

Orientation/length E to W

From m	To m	Visual: ROCK	FRACT	strike	dip	VEINS	Descriptive: Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Assays: Sample No.	Cu %	Au g/t
50 52	52 60	olb. BFP					BFP	K to phyl.	Lt-mon gy	7	.5	N-W	<5	—	~1	—	bw	1	1.5-3	0 to 3		Abund. 2ndy bi's in the K alt'n. TXt is loc oblit'd in K. wkly f.d cp. cp along some fracts. wk. hem stain locally.	TR-4 205	0.38	
60	70			190 246 230	90 80 72		BFP	phyl phy-sil	lt gy-tan gy	6 8	1-1.5 .5	N SAME	<5	—	.6-.8	—	—	<1	3-4	tr.		Tr. f.d	TR4 206	0.29	
70 76 77	76 76.5 80	 ZST				X sw	BFP ZST BFP	phy-K K K	lt-mon gy lt gy lt gy	6-7 9 8-9	1-2 — <.5	— — wk M	<5 5 <5	wk v wk wk	.5-1 .7 .05-.8	— — —	tr. tr bw	<1 <1 1-1.3	2 3-4 3	2 — tr		50cm of ZST. K BFP- txt oblit'd. Mal on fracts ± py & cp.	TR4 207	0.37	
80	90	cb-cl alt'd		245 290 270 275 250	70 90 90 70 90		BFP	phy- w/ wk to mod K	lt-mon gy	8	<.5	v. low -	5-7	N-wk	.7-1	—	tr.	1.5	2-3	—		Cb-q-py vns locally. Patchy 2ndry bio's. f.d. cp throughout	TR4 208	0.31	
90 95	100			260 240 285 270 110 191	60 80 90 90 90 50		BFP ZST	K-wk phy K sil	lt gy dk gy	8 9	.5-.75 <.5	— —	<5 5-7	— —	<1 .5	— —	bw —	4 <1	2-3 2	3-4 —		Local hbld → bio. cp f.d & on some fract. Some q vning. Txt loc. oblit. ZST v/ q-cb SW vning. mild hem stain. hornfelsed.	TR4 209	0.4	

ACME ANALYTICAL LABORATORIES LTD. ... E. HASTINGS ST. VANCOUVER BC ... 1R6 PH (60... FAX ...
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A002283 Page 1

10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: Gordon Weary

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** gm/mt
TR-4-200	2.6	1150	2	82	.6	40	12	354	3.61	1	<1	<2	6	75	<.2	<.5	.5	102	.57	.117	13	84	1.39	1032	.221	6	1.38	.098	.79	2	<1	7.7	1	.12	4	.17
TR-4-201	2.9	813	5	142	.3	35	10	343	3.03	7	<1	<2	7	69	.2	<.5	<.5	88	.62	.116	14	70	.96	528	.163	2	1.03	.084	.54	1	<1	6.7	1	.05	4	.05
TR-4-202	16.9	913	9	107	.5	43	14	588	3.57	23	1	<2	6	91	.3	4.1	<.5	78	1.98	.101	14	64	.96	612	.074	6	.93	.037	.34	2	1	9.1	1	.19	1	.04
TR-4-203	5.3	1538	13	104	.8	46	13	466	3.86	4	<1	<2	6	49	.4	<.5	<.5	94	1.20	.120	16	72	1.34	377	.157	3	1.16	.064	.62	2	<1	8.8	<1	.35	3	.06
TR-4-204	5.3	3194	4	48	1.0	59	10	171	2.34	13	<1	<2	4	31	<.2	.6	.5	69	.19	.042	7	124	.70	344	.121	8	1.02	.047	.49	3	<1	7.0	<1	.37	4	.13
TR-4-205	6.4	3796	3	39	.7	56	11	153	2.41	<1	<1	<2	4	56	<.2	<.5	<.5	88	.74	.085	12	87	1.13	419	.180	2	1.22	.098	.71	2	<1	8.9	<1	.33	6	.15
TR-4-206	19.6	2926	5	82	1.8	56	14	496	3.72	35	<1	<2	6	46	.3	3.0	.5	81	1.81	.088	12	76	.47	372	.022	4	.98	.015	.14	2	<1	9.3	<1	.37	1	.11
TR-4-207	22.0	3744	4	87	2.6	60	13	611	3.53	18	<1	<2	6	36	.3	<.5	1.0	73	1.12	.105	13	72	.86	289	.078	6	1.11	.048	.40	2	<1	7.2	<1	.55	2	.14
TR-4-208	16.6	3066	101	68	2.0	69	12	299	3.10	181	<1	<2	6	53	.4	7.9	1.3	87	1.12	.113	12	89	1.35	287	.165	5	1.38	.098	.67	2	<1	7.0	<1	.55	4	.11
TR-4-209	19.6	3975	3	53	1.1	72	11	254	2.85	2	<1	<2	6	32	<.2	<.5	.7	97	.50	.093	15	107	1.18	342	.143	4	1.26	.081	.54	1	<1	7.8	<1	.40	5	.19
TR-5-220	25.9	2928	5	105	2.8	58	11	291	3.51	3	<1	<2	6	39	.2	<.5	1.4	106	.58	.087	14	92	1.14	353	.154	5	1.31	.081	.63	2	<1	12.0	<1	.40	5	.09
TR-5-221	22.4	2898	7	249	2.8	51	7	346	2.80	6	<1	<2	5	38	1.0	<.5	.5	85	.98	.140	14	66	1.03	517	.081	5	1.29	.073	.46	1	<1	12.2	<1	.27	5	.09
TR-5-222	27.5	3839	8	73	1.9	43	10	236	2.34	5	<1	<2	4	31	<.2	<.5	.5	85	.42	.058	13	54	.73	514	.118	6	1.05	.078	.51	2	<1	11.2	<1	.29	5	.17
TR-5-223	13.5	4114	12	155	3.3	46	7	311	2.73	26	<1	<2	5	29	.7	.5	.6	82	.84	.090	7	46	1.01	306	.060	6	1.26	.044	.38	2	<1	8.3	2	.48	4	.09
TR-5-224	40.6	3269	26	618	2.5	51	12	363	3.01	13	<1	<2	4	31	3.9	.8	.7	69	.87	.061	15	50	.81	263	.072	4	1.08	.070	.47	2	<1	9.1	<1	.50	3	.11
TR-5-225	25.4	3463	5	73	1.4	51	15	189	3.08	2	<1	<2	4	59	.3	<.5	.5	100	.62	.117	9	69	1.29	205	.179	2	1.26	.090	.68	1	<1	8.3	<1	.64	6	.09
RE TR-5-225	23.9	3406	5	69	1.3	50	14	182	3.07	3	<1	<2	5	58	.2	<.5	<.5	96	.60	.112	9	66	1.25	233	.178	2	1.21	.089	.67	2	<1	8.0	<1	.62	5	.11
TR-6-210	129.9	3797	22	135	1.4	45	7	239	1.75	14	<1	<2	4	30	.4	1.2	.7	57	.40	.037	8	40	.31	263	.021	3	.78	.059	.22	2	<1	9.8	<1	.44	3	.12
TR-6-211	41.9	1999	10	131	1.2	51	15	518	2.57	51	<1	<2	6	29	.6	1.5	.5	59	.33	.048	14	51	.19	323	.002	3	.84	.026	.19	<1	<1	10.3	<1	.29	<1	.06
TR-6-212	6.5	1170	5	74	1.8	47	13	326	3.25	20	<1	<2	4	19	.3	<.5	<.5	46	.16	.030	10	19	.27	203	.004	2	1.22	.029	.41	<1	<1	5.8	<1	.31	1	.02
TR-6-213	13.2	1568	8	54	1.7	55	18	292	3.97	11	<1	<2	2	14	.2	1.6	<.5	49	.07	.021	7	18	.31	235	.004	3	1.27	.032	.37	<1	<1	4.9	<1	.58	<1	.05
TR-6-214	3.8	419	3	32	.4	37	12	26[illegible]	3.87	4	<1	<2	5	18	<.2	<.5	<.5	57	.11	.036	10	27	.50	212	.016	3	1.84	.057	.33	<1	<1	5.4	1	.27	2	<.01
TR-6-215	13.9	836	5	45	1.1	35	14	328	4.88	255	<1	<2	4	20	<.2	.5	<.5	67	.30	.056	7	24	.46	220	.007	2	1.68	.052	.25	[illegible]	<1	[illegible]	<1	.37	3	.06
TR-6-216	15.4	1588	9	111	2.0	48	18	286	4.65	6	<1	<2	6	25	.4	<.5	.7	115	.35	.108	6	77	1.64	177	.161	2	2.11	.086	.76	1	<1	8.4	<1	.93	10	.04
TR-6-217	19.9	1154	6	75	1.6	42	17	362	3.56	28	<1	<2	5	25	.2	<.5	<.5	68	.34	.055	6	44	.81	284	.049	3	1.56	.060	.49	1	<1	6.1	<1	.61	4	.02
TR-6-218	10.8	436	4	35	.8	26	15	256	2.64	19	<1	<2	5	16	<.2	.7	<.5	30	.10	.027	11	15	.19	229	.002	4	1.12	.044	.27	1	<1	4.2	<1	.33	2	.01
TR-6-219	6.0	576	25	68	1.0	27	19	223	3.87	32	<1	<2	4	18	.2	1.1	<.5	45	.12	.030	6	16	.23	158	.006	5	1.19	.039	.28	<1	<1	5.8	<1	.51	<1	<.01
TR-7-190	49.6	3315	14	117	3.5	89	24	231	3.49	24	<1	<2	7	40	.4	<.5	.9	92	.33	.083	16	66	1.14	137	.146	4	1.69	.076	.80	2	<1	8.6	<1	.79	6	.09
TR-7-191	62.9	1748	34	112	2.2	96	12	272	2.43	370	<1	<2	7	26	.5	<.5	.7	43	.42	.045	12	32	.46	260	.005	4	.90	.029	.33	1	<1	5.1	<1	.46	2	.05
TR-7-192	79.2	2069	18	148	2.8	67	15	257	2.63	60	<1	<2	5	18	1.1	2.4	<.5	33	.16	.054	12	22	.21	236	.001	7	1.01	.030	.35	1	<1	6.0	<1	.63	1	.05
TR-7-193	24.3	865	3	34	.4	64	16	387	3.68	10	<1	<2	6	20	<.2	<.5	<.5	67	.12	.041	13	39	.47	210	.018	6	1.41	.043	.27	1	<1	7.1	<1	.48	2	.02
TR-7-194	16.9	1834	12	61	1.6	74	13	504	3.24	8	<1	<2	6	25	.2	<.5	.5	52	.31	.136	18	29	.44	301	.006	6	1.51	.055	.32	1	<1	6.8	1	.38	2	.07
TR-7-195	1.5	691	5	84	.6	33	13	283	3.77	21	<1	<2	5	31	.2	<.5	<.5	52	.26	.079	13	23	.52	221	.017	3	1.99	.072	.37	1	<1	4.8	<1	.51	3	<.01
TR-7-196	.8	164	4	29	.2	25	7	237	3.56	3	<1	<2	5	19	<.2	.6	<.5	74	.12	.050	14	30	.54	332	.059	3	1.87	.062	.28	1	<1	6.5	<1	.13	5	<.01
STANDARD C3/AU-1	26.9	67	37	169	5.4	37	12	795	3.37	59	24	<2	25	29	25.4	17.8	23.3	83	.54	.095	18	178	.63	166	.091	25	1.96	.041	.19	15	<1	4.6	2	.03	7	3.68
STANDARD G-2	1.6	14	3	44	<.1	7	3	531	2.03	<1	2	<2	5	74	<.2	<.5	<.5	40	.63	.100	7	77	.60	237	.130	9	.97	.083	.49	2	<1	2.8	<1	<.01	6	<.01

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 12 2000 **DATE REPORT MAILED:** July 21/00 **SIGNED BY** .... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

T # 10- 4 G (nor... W...) Location 4... West of Main Begin. jnct
Orientation/length E-W
spled w/ Bob & Dick Sept 23rd

From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
0	10	+ + (minor gouge)	X	310, 90, 010, ?, 240	69, 90, 75, 80, 90		BFP	K	dk gy	6-7	low	L-M	<5	—	1	—	low-mod	<.5-1.5	<1	5-7		Competent, lg blocks min'd BFP	TR-4 312	.18	.09
10	20	+ + (minor gg)	X	85, 230, 195	80, 80, 45	g py	BFP	K	as above						1.3							K to 12m	TR-4-313	.38	.13
								K-phyl	lt-mdm gy	5-6	low	N-L	<5	—	1.5-.7	—	N	.5-1.5	1	2-3		12-... intermix cp & py levels vary; one ↑ other ↓ g py vns (micro).			
20	25	+ +					BFP	phyl-(K)	lt-mdm gy	5-6	mod-low	N-L	<5	—	.7-1		N	15	1	0-1		F.d. cp & py many phyl/ab 25m - becomes much deeper o/b	TR-4-314	.31	.10
25	27	zst					ZST	K	dkgy	7	low	L-M	5-7	W	.6-.9	—	N	1	2	—		coincides w/ Δ to zst. In zst cp on fract & wkly diss wk chl tinge.			
27	32	+ +					BFP	K (phyl)	dk-lt gy	7-8	low	L-	<5	—	<1	—	—	.5	1	1-3		Final BFP may be bld phyllo.			
32	122																					32-40 deep o/b stopped trenching. Thru swamp (cleared) & began tr. @ 122m.			
122		+ + BFP					BFP	phyl-cly + sil	lt gy	10	low-N	—	<5	—	<.5	—	—	<1	2-3	—		Very hard/sil BFP. Specks of cp & py V. competent / no fract	TR-4-315	.06	.01
	130	zst					ZST	phyl-K	buff-dkgy	10	low-mod	—	<5	—	<.5	—	—	<1	<1	—		zst is v. hard & wkly brecciated.			

Orientation/length E-W

Location TR4-500 collect Oct 16/200[illegible] This is going onto [illegible]

Oct 15/16 by TOP, EO, DA

			Visual					Descriptive																Assays		
	From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
130		140	BFP				[illegible]	ZST	phyl-K	lt-mom/gy	9	low	v.wk	5	–	<.5	–	–	.7	2	–		BFP has coarser cp than typically obs (small blobs).	TR-9-216	0.17	0.03
								BFP	phyl-	lt gy-buff	9	mod-low	wk	<5	–	.6	–	–	.5	3	–		last 2-m more weath			
140		146					8	BFP	phyl sil.	lt-gy-buff	9-10	low	–	5	–	.3-.4	–	–	.6	3	–		Specks of cpy/py Some Kaol. · Eof secn ~ 148-150m	TR-4 317	0.27	0.07
144			wkly bx'd	Δ				ZST	phyl-sil	buff	9	mod	–	<5	–	tr	–	–	.5	1	–					
	146	150						BFr	phyl-sil.	lt gy-buff	9-10	mod-low	–	<5	–	.3-.9	–	low	.5	3	–		much coarser cp & better grade.			
150		158						BFP	phyl-sil.	"	"	low	–	<5	–	.3-.5	–	–	.5-.7	1-1.5	–		Operator has trenched down past weathd b/d 2m to fresh mat. Diff to obtain spl b/c few fractures	TR-9 318	0.07	0.02
	158	160						ZST	phyl-sil	buff	9	low	–	5	–	.3	–	–	.3	1	–					
160								BFP	phyl	lt gy-buff	6	low	–	<5	–	<.3	–	–	.5-.9	<1	–		Bio ⇒ ser fls ⇒ Kaol In and out of Tuff and phyl and BFP. One large piece of Ka[illegible] BFP [illegible]	TR4 500		
	166		166					TUFF	K	dk gy	6	low	–	<5	–	–	–	–	<1	1-2	–					
	167		167					BFP	phyl	[illegible]	6															
	168		168					TUFF	K	[illegible]	6															
	169	170	169					BFP	phyl	[illegible]	6-7					.3-.4										
									mildly mined														Tuff is dk gry w/ SA-SR fragments <5mm competent, [illegible] w/ few fractures [illegible] b/c of sheen			

Tree stump end now

7m hiatus [illegible]

Tr[illegible]

Trench # TK4 cont. Location Begins 215 m Page 3 of 3

Orientation/length E-W & curves to south oct 15 3:30 pm E.O.T. T.O.P.

From m	To m	Visual: ROCK	FRACT	strike/dd	dip	VEINS	Descriptive: Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Assays: Sample No.	Cu %	Au g/t
215	225			65/24°, 298°, 12°	90°, 86°, 52°	qz-ser, cly-ser, Lim	O/B, ZS	Silic-phyll	lt gry-med gry	5	3	N	5-8	N	0	-	0	1/2	0	-		-ZS has rusty Oxid. along fracts. Py only along FRACTS. -ZS seems 'hornfelsed' in some areas, with no vning at all. -Some coarser grained sections.	TR4 360		
225	235	Lim-rich		138°, 34°, 59°, 247	84°, 78°, 84°, 76	Py, Py, Py-cp	ZS	Silic.	Med gry/dk gry.	5	2-3	N	5-3 → 5-8	N	0 → 0.3-0.5	-	0	2	0	-		-Py-filled fracts, rusty. -Some Limonite-rich fracts. -minor cp w/ py in fracts further on in interval.	TR4 361		
235				73°, 199, 253	36°, 66°, 76°	Py, Lim., py-? cb	ZS	Silic (phyll)	Med. gry.	6	2-3	N	5-8	N-W	0.3-0.5	-	Tr.	2.5-3	0			-py-Aspy(?) filled fracts. up to 3-4 mm thick in some areas. -'hornfelsed' in some areas, lt gry & cly-rich in others.	TR4 362		
	245	+ +					BFP	cly-?	lt gry	5	2-3	N	<5	N	0.3	-	0	2.0	-	-		-BFP is only ~1 m wide.			
245				91°, 208°, 292°, 211°	76°, 61°, 72°, 65°	Lim	ZS	Phyll	Med-lt gry	<5	2-3	N	5	N	0.3	-	0.3	2	-	-		-cp content is increasing; Mal along fracts.	TR4 363		
	255	Hbl spl. + +		198°	42°	cly	BFP	K? to phyllic clay	lt gry.	<5	2-3	N	5	N	0.8-1.5	-	0	1.5	-	-		-Py along fracts; contact is at ~ 217°50°. -cp increases down the interval. -cp is cd	TILL TR4 501		
255	258	TILL																							
258	259	ZST					ZST	phyl	lt gry-buff	5	2	-	<5	-	tr.	-	-	1-1.5					TR4 364		
259	260	BPP + + +					BPP	phyl	lt gy-buff	5	2	-	<5	-	tr.-.5	-	-	<1				cp in fine specks in phyl alt'd BPP.			
261	266	TILL																				Poor o/c exposure here.			

till sample taken

Trench # TR4
Orientation/length E-W

Location

Page 4 of ?

		Visual					Descriptive																Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
365 368	TILL						BFP	K	dk gy	7-8	1	M	—	—	.3	—	—	1.5 2	1-1	<1		TILL 365-368. TILL 370-372.5	TR4-365		
	375						BFP	K	11	7-8	1	—	—	—	tr.	—	—	1	—	4					
275		BFP 2ST					BFP	K	dk gy	7-8	1	—	—	—	.3 .5	—	—	1.5	1			Sul- f. & m. diss py>>cp Disc. ...	TR4-366		
								phyll	lt gy-wht	6	<1	—	—	—	.5	—	—	<1		<1		Incr. of specks of cpy on walls of fracts. Intersect BL @ 383m 5m south of 1725 L.			
285																						Trench veers to south.	TR4 367		
295	405																						TR4 368		
305																							TR4 369		

Trench # 305-025 m trench @ ~70° (No. 1) Location

Orientation/length **TR. 4**

		Visual					Descriptive																Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
285		bx mind		200 / 226 / 320	80 / 85 / 70	230/85; 70 / 242	ZST; orient	phyl	lt g/y	7-8	1-3	—	up to 5	—	tr-2	—	h M	1-1.5	<2	—		Highly oxidized area @ 287 w/ heavy FeOx, Jaros & mal. Probably bx 'd' w/ py w/ cf filling 230/85 over 20 cm. 2nd py mvnlets mal/py cp	TR4 367		
295		302 m ZST				slightly (dr. 10)	BFP; ZST	phyl v.mc K; K	lt gy; mvm g/y	7; 6	2; 2	—; —	<5	—; —	.3-1; tr	—; —	—; —	<1 to 2; 1-2	<1; <1	<1		2nd cp+py in vns. Fine specks of cp+py. Blocky & compact. Some gossany cm sz w/ py+cp - bxd cp in thin veinlets to masses	TR4 368		
305	311	m.fract till					BFP; ZST	K; K	dk g/y; slate g/y	6-7; 5	0-4; 1-2	—; —	<5 (<1 ?); <5	v. wk; —	—; —	—	—	1-1.5; 1.5	<1	—		BFP is quite weathered & locally highly oxidized.	TK4 369		
315		till; 320.5; ZST fract zone		55; SLICKS 160	90; 68		TILL; BFP; ZST; BFP	phyl bcg.; K-phyl; phyl	lt gy-wh.; lt gy	5-6; 5; 6	2; 2-3; 1-2	—; —; —	<5	—	—; —	—	—	2; 1-1.5	<1; <1			Fract zone near slicks trends ~ northwest. Heavy slicks in ZST - shiney slick surfaces bxd in zst. Near 315 tr. trends joins Rd. [illegible]	TR4 370 (Check)		
325		End Tr. 4 joins L.N. Rd.																							

2nd bx in 285-295 @ 292 is K-phyl alt'd & seems to be less mind 25m [illegible] [illegible] [illegible] [illegible]

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AA LL

GEOCHEMICAL ANALYSIS CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A003865 Page 1

10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: L. Vince Williams

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** gm/mt	Sample lb
TR-1-300	7.3	655	27	162	.4	90	25	795	2.93	199	1	<2	2	56	1.0	4.1	<.5	51	.98	.008	7	62	.35	313	.005	4	.69	.009	.12	<1	<1	6.4	<1	.12	1	<.01	6.0
TR-1-301	14.6	3359	14	92	2.0	52	20	494	3.15	49	1	<2	3	37	.5	1.6	<.5	66	.80	.010	9	42	.24	98	.008	3	.91	.030	.11	1	1	12.0	<1	.36	2	.09	7.0
TR-1-302	77.8	2957	7	65	1.3	39	21	244	2.37	18	1	<2	3	24	.3	<.5	<.5	31	.11	.022	10	14	.11	300	.006	3	.86	.088	.23	1	<1	6.3	<1	.38	1	.12	6.0
TR-1-303	20.3	2770	8	103	.8	79	24	359	3.12	13	3	<2	4	95	.4	<.5	<.5	108	1.83	.129	22	90	.49	487	.007	4	.87	.034	.05	1	<1	14.4	<1	.35	2	.10	6.0
TR-1-304	75.4	4554	5	137	1.5	61	27	237	4.32	12	3	<2	4	45	.4	<.5	<.5	141	.69	.143	23	97	1.81	377	.327	3	1.60	.107	1.38	1	<1	11.2	<1	.62	8	.14	6.5
TR-1-305	36.2	2442	6	73	.9	40	15	285	2.55	23	1	<2	2	31	.3	<.5	<.5	54	.39	.097	17	24	.27	356	.015	3	.99	.029	.24	1	<1	8.0	<1	.44	2	.08	7.0
TR-1-306 TR 1	122.4	3605	18	144	2.8	59	19	378	2.58	66	1	<2	2	24	.8	1.5	<.5	45	.64	.017	9	14	.21	238	.001	6	.82	.010	.18	<1	<1	9.6	<1	.38	1	.11	7.0
TR-1-307	57.8	1993	8	74	.7	57	15	335	2.46	45	1	<2	2	49	.3	<.5	<.5	57	1.33	.063	38	50	.39	340	.004	5	.93	.032	.14	1	<1	9.7	<1	.21	2	.05	8.0
TR-1-308	23.1	1334	6	91	.8	96	28	526	4.84	81	3	<2	4	82	.4	1.8	<.5	139	1.30	.091	14	117	1.19	238	.146	2	1.50	.047	.68	<1	1	14.7	3	.41	6	.04	7.0
TR-1-309	20.9	2464	4	87	1.0	63	29	242	5.06	22	6	<2	4	82	.2	<.5	<.5	131	.92	.117	14	109	2.00	230	.245	4	2.89	.228	1.56	1	<1	13.2	2	1.00	13	.07	15.5
TR-1-310	7.8	718	9	59	.1	55	28	154	5.68	4	2	<2	5	65	<.2	<.5	<.5	131	.81	.173	21	92	1.99	145	.280	3	2.38	.175	1.42	<1	<1	10.7	2	1.74	11	<.01	11.5
TR-1-311	24.6	910	6	69	.3	52	28	223	5.35	55	2	<2	5	66	<.2	<.5	<.5	128	.79	.174	21	90	2.15	200	.281	3	2.33	.164	1.47	1	<1	10.7	1	1.23	12	.03	15.0
TR-4-312	12.9	1767	3	60	.4	52	12	176	2.60	1	1	<2	5	40	<.2	<.5	<.5	116	.48	.126	16	90	1.72	526	.267	<1	1.54	.121	1.11	1	<1	9.7	1	.14	6	.09	11.0
TR-4-313	33.9	3837	9	107	.9	58	15	186	2.97	15	2	<2	4	73	.6	<.5	<.5	108	.85	.121	17	57	1.13	281	.173	<1	1.18	.079	.72	2	<1	10.5	2	.52	5	.13	18.0
TR-4-314 TR4	73.5	3099	21	98	.9	97	16	576	3.06	4	1	<2	3	33	.4	<.5	<.5	88	.46	.104	15	76	.69	256	.073	6	1.34	.063	.42	1	<1	9.4	<1	.69	4	.10	13.0
TR-4-315	23.4	558	14	162	.5	37	8	452	2.24	80	1	<2	2	42	.7	3.7	<.5	52	.98	.052	6	39	.34	441	.002	4	.64	.005	.08	1	<1	9.6	<1	.17	1	.01	3.0
RE TR-4-315	22.7	525	14	162	.5	37	8	456	2.25	80	1	<2	2	43	.7	3.7	<.5	52	.98	.052	6	39	.34	442	.002	2	.63	.004	.08	1	<1	9.7	<1	.17	1	.02	-
TR-4-316	34.5	1692	14	141	1.5	77	35	518	4.58	385	3	<2	2	64	.3	5.4	<.5	92	.73	.093	11	64	.21	132	.005	3	.94	.004	.08	1	1	10.2	<1	.25	2	.03	14.5
TR-4-317 0.185	3.6	2709	7	108	1.8	39	33	301	1.89	493	1	<2	2	41	.4	3.2	<.5	39	.31	.054	6	32	.11	201	.001	1	.72	.006	.06	2	1	5.5	1	.35	1	.07	13.0
TR-4-318	4.4	681	22	62	.7	47	16	297	2.06	331	2	<2	2	39	.2	3.1	<.5	42	.30	.056	9	30	.13	241	.001	3	.78	.003	.10	<1	1	4.6	1	.37	1	.02	13.5
TR-7-319	1.3	705	8	54	.5	41	32	117	2.88	43	1	<2	1	17	.2	2.0	<.5	32	.20	.039	6	16	.21	157	.008	1	1.15	.050	.28	1	<1	5.7	1	.87	2	<.01	3.5
TR-7-320 TR7	5.1	1021	15	164	2.3	37	28	329	2.56	160	1	<2	1	16	1.2	1.8	<.5	34	.20	.039	10	15	.20	134	.003	3	1.05	.034	.31	<1	<1	3.9	<1	.41	2	.03	12.0
TR-7-321	5.4	1050	19	410	1.4	48	18	435	4.12	163	2	<2	3	42	2.2	<.5	<.5	110	1.04	.139	10	87	1.93	248	.082	3	2.03	.071	.48	1	<1	7.7	<1	.66	9	.02	13.0
TR-7-322	6.7	2211	24	317	7.3	41	23	463	4.66	182	2	<2	4	45	1.4	.5	<.5	85	.97	.138	9	51	1.22	149	.051	4	1.29	.050	.40	<1	<1	6.7	<1	1.09	5	.03	12.5
TR-7-323	2.4	501	9	85	.5	65	20	215	3.76	41	1	<2	1	33	.4	<.5	<.5	56	.42	.055	7	26	.52	113	.013	2	1.19	.066	.30	1	<1	6.1	1	1.28	3	<.01	7.0
TR-7-324	1.4	1316	22	114	2.8	60	89	417	5.30	246	1	<2	1	22	.5	<.5	<.5	78	.28	.095	7	38	.51	190	.050	5	1.88	.056	.40	1	<1	7.9	1	.95	6	.01	5.0
TR-6-325	28.6	1455	36	267	4.0	62	14	542	4.79	84	1	<2	4	28	1.0	<.5	1.3	87	.61	.116	22	67	1.37	310	.070	6	1.78	.056	.39	2	<1	6.6	<1	.58	8	.05	8.0
TR-6-326	12.1	1524	11	135	3.5	46	19	328	5.65	58	2	<2	4	27	.3	<.5	1.1	109	.32	.129	18	80	1.59	159	.172	1	1.98	.075	.89	<1	<1	8.3	2	1.08	9	.05	11.0
TR-6-337	8.6	997	6	91	.9	43	27	256	4.99	73	4	<2	3	30	.2	.6	.6	113	.41	.119	20	79	1.73	160	.206	3	1.96	.076	1.21	1	<1	9.3	<1	1.24	10	.02	6.0
TR-6-338	20.4	1066	7	284	1.8	70	88	575	4.98	731	3	<2	4	50	.9	<.5	<.5	121	1.12	.134	11	84	1.98	206	.089	5	2.02	.069	.42	<1	<1	9.0	<1	.59	9	.03	12.0
TR-6-339	4.9	696	6	83	.7	37	18	217	3.40	59	1	<2	2	23	.3	.5	<.5	65	.37	.060	9	51	.78	201	.054	<1	1.40	.059	.52	1	<1	6.9	<1	.78	4	<.01	6.0
TR-6-340	4.0	1504	13	150	3.1	42	21	288	3.85	81	2	<2	3	20	.7	.6	<.5	84	.37	.104	7	55	1.25	211	.117	<1	1.42	.054	.65	<1	<1	6.5	2	.76	6	.02	7.0
TR-6-341	5.6	1631	7	160	3.0	47	22	368	4.58	142	2	<2	4	32	.8	.5	.6	101	.60	.143	16	68	1.42	263	.186	1	1.62	.081	.93	1	<1	8.8	1	.71	7	.07	7.5
TR-6-342	4.4	604	4	58	.4	42	13	215	4.21	5	3	<2	4	35	<.2	<.5	<.5	130	.48	.143	10	92	2.11	300	.281	1	2.06	.105	1.49	<1	<1	10.9	2	.87	11	<.01	4.0
STANDARD C3/AU-1	27.7	67	34	167	5.5	38	13	819	3.44	59	24	2	22	30	23.5	17.4	23.9	83	.61	.097	21	182	.63	163	.092	23	1.87	.041	.17	15	1	4.6	1	.03	7	3.51	-
STANDARD G-2	1.5	5	3	45	<.1	7	4	557	2.05	<1	3	<2	5	78	<.2	<.5	<.5	42	.68	.105	10	82	.63	247	.139	3	1.01	.106	.53	2	<1	2.7	<1	<.01	4	-	-

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 2 2000 **DATE REPORT MAILED:** Oct 14/00 **SIGNED BY** ....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL LABORATORIES LTD 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A004456 Page 1

10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: Erin O'Brien

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** gm/mt	Sample lb
TR-4-360	2	455	15	90	.6	34	23	354	3.28	326	<8	<2	2	24	.8	4	<3	71	.14	.048	10	34	.17	558	.03	4	1.02	.01	.27	<2	.02	3
TR-4-361	2	135	5	34	<.3	36	14	406	4.51	65	<8	<2	<2	52	.2	<3	<3	76	.58	.049	10	38	.47	276	.05	8	2.58	.15	.40	2	.01	14
TR-4-362	2	1263	6	88	1.3	58	33	321	3.62	323	<8	<2	3	45	.3	<3	<3	68	.49	.091	15	40	.52	314	.03	6	1.51	.07	.34	<2	.02	11
TR-4-363	3	419	5	61	.3	51	17	284	3.68	73	<8	<2	3	36	.4	<3	<3	94	.51	.110	17	57	.84	370	.11	6	1.27	.04	.62	<2	.01	7
TR-4-364	2	984	7	82	1.1	58	24	394	3.47	237	<8	<2	2	46	.5	<3	<3	64	1.36	.078	13	53	.34	244	<.01	4	.62	.01	.11	<2	.01	3
TR-4-365	2	232	5	39	<.3	55	23	221	6.00	13	<8	<2	4	117	.2	<3	<3	145	1.10	.145	15	97	2.46	202	.16	5	3.48	.32	1.32	2	.04	3
TR-4-366	3	584	12	102	.7	58	26	419	4.49	377	<8	<2	3	41	.6	<3	<3	87	.92	.087	18	66	.83	154	.05	3	1.11	.02	.35	<2	.04	6
TR-4-367	3	5086	98	583	42.2	47	89	4729	6.57	3353	<8	<2	<2	22	4.6	26	18	31	.21	.066	11	16	.10	287	<.01	6	.75	.01	.32	2	1.13	17
TR-4-368	3	6985	106	551	46.2	57	87	4027	8.29	1803	<8	<2	3	27	3.3	33	6	82	.37	.076	18	64	.51	182	.02	4	.82	.01	.27	<2	.43	21
TR-4-369	2	264	5	61	.4	59	22	365	4.14	113	<8	<2	2	32	.3	<3	<3	92	.36	.086	13	76	1.05	309	.09	3	1.89	.07	.64	<2	.01	22
TR-4-370	3	261	18	143	.5	47	24	860	5.73	185	<8	<2	4	26	1.4	7	<3	83	.49	.132	21	44	.16	276	<.01	3	.69	<.01	.09	<2	.02	20
TR-4-500	4	770	11	75	.9	61	31	447	4.10	385	<8	<2	3	43	.4	<3	<3	66	.38	.083	15	49	.27	312	.02	3	.80	.01	.15	2	.03	15
TR-8-391	8	769	38	202	1.2	44	34	416	5.59	294	<8	<2	3	24	.8	<3	<3	62	.60	.147	12	31	.13	115	<.01	4	.75	.01	.12	<2	.01	11
LNRD-371	2	136	7	50	<.3	57	21	429	4.88	141	<8	<2	3	52	.4	<3	4	97	1.57	.144	23	47	.48	301	<.01	4	.80	.01	.08	<2	<.01	4
LNRD-372	3	304	5	50	.3	41	14	327	4.69	28	<8	<2	3	39	.3	<3	<3	77	.71	.113	25	50	.77	324	.05	4	1.12	.02	.30	<2	.01	3
LNRD-373	4	393	10	81	<.3	57	22	369	4.88	89	<8	<2	4	38	.5	<3	<3	98	.52	.144	23	48	.44	379	.03	3	.80	.05	.19	2	.01	4
LNRD-374	1	366	<3	27	<.3	23	12	103	1.22	119	<8	<2	2	34	.5	<3	<3	22	.08	.012	11	12	.08	304	<.01	<3	.69	.02	.17	<2	.01	12
LNRD-375	1	100	<3	21	<.3	58	18	270	2.38	57	<8	<2	2	16	.4	<3	<3	42	.12	.012	14	16	.24	135	<.01	<3	1.15	.03	.22	<2	<.01	5
RE LNRD-375	1	99	<3	20	<.3	57	18	272	2.41	58	<8	<2	2	16	.4	<3	<3	41	.12	.012	14	16	.24	133	<.01	<3	1.15	.04	.22	<2	<.01	-
LNRD-376	4	482	6	62	<.3	44	31	451	4.66	234	<8	<2	3	32	.2	<3	<3	84	.43	.120	22	34	.64	365	.06	3	1.12	.04	.43	2	.03	13
LNRD-377	6	1819	33	187	3.7	45	62	705	6.19	1243	<8	<2	3	21	.9	<3	<3	108	.51	.156	23	38	.14	361	<.01	4	.70	<.01	.08	<2	.36	15
LNRD-378	6	2528	10	116	1.4	53	28	368	3.56	292	<8	<2	3	40	.5	<3	<3	93	.76	.116	16	77	.95	388	.09	4	1.24	.03	.42	3	.09	4
LNRD-379	3	501	10	65	1.1	51	19	232	3.70	65	<8	<2	3	34	.5	<3	<3	61	.60	.093	8	54	.83	110	.05	<3	.98	.04	.17	<2	.04	5
LNRD-380	3	245	4	23	<.3	41	26	263	5.28	53	<8	<2	<2	71	.2	4	<3	32	.12	.014	6	13	.06	247	<.01	<3	.58	.04	.11	<2	.01	6
LNRD-381	5	5394	13	225	5.0	52	26	262	4.39	281	<8	<2	5	24	.7	<3	<3	88	.44	.149	7	82	1.74	180	.04	4	2.05	.04	.36	<2	.07	2
LNRD-382	3	785	33	144	.9	61	31	272	5.87	267	<8	<2	3	24	.7	<3	<3	125	.53	.139	13	109	2.29	130	.14	<3	2.33	.05	.55	2	.01	5
LNRD-383	6	617	11	118	.7	48	56	789	5.83	280	<8	<2	3	27	.3	<3	<3	101	.61	.141	21	40	.24	213	<.01	<3	.72	<.01	.07	<2	.08	6
LNRD-384	3	363	4	63	<.3	41	31	450	3.91	113	<8	<2	2	23	.4	<3	<3	35	.25	.045	11	15	.10	164	<.01	<3	.57	.02	.12	<2	.01	7
LNRD-389	2	190	6	37	<.3	32	24	376	4.95	106	<8	<2	2	49	.2	<3	<3	79	.52	.071	13	47	.85	245	.03	3	1.58	.07	.34	<2	.02	15
LNRD-390	2	190	7	65	<.3	40	18	509	4.39	118	<8	<2	2	33	.5	<3	<3	65	.68	.102	15	28	.22	170	<.01	4	.95	.03	.09	<2	.01	16
LNRD-392	3	1132	105	377	2.5	49	37	1323	5.46	926	<8	<2	2	27	2.7	21	7	73	.40	.093	22	47	.18	313	<.01	3	.69	<.01	.10	<2	.11	15
LNRD-393	3	376	13	80	.3	54	17	458	5.54	164	<8	<2	4	38	.4	<3	3	97	.81	.145	25	67	.87	165	.01	3	1.44	.01	.13	<2	.03	13
LNRD-394	3	249	10	72	<.3	36	22	588	4.57	176	<8	<2	2	30	.4	<3	<3	72	.44	.089	16	25	.32	228	.01	<3	1.11	.01	.18	<2	.01	19
LNRD-395	2	163	5	38	<.3	20	18	866	4.21	71	<8	<2	<2	30	.2	<3	<3	40	.27	.055	12	11	.34	250	.01	4	1.27	.05	.17	<2	<.01	11
STANDARD C3/AU-1	27	71	36	166	5.5	36	12	787	3.35	60	24	2	21	29	25.2	16	23	82	.58	.096	21	175	.61	159	.09	24	1.84	.04	.16	15	3.62	-
STANDARD G-2	1	5	3	43	<.3	7	4	531	1.98	<2	<8	<2	4	68	.2	<3	<3	41	.64	.101	10	77	.60	227	.13	<3	.89	.07	.46	2	-	-

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 1 2000 **DATE REPORT MAILED:** Nov 15/00 **SIGNED BY** ....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

Trench # T-5
Orientation/length E-W

Location S[illegible] e - 20E 357 (~1 [illegible] 36)
End @ 2990E - 3560N

		Visual					Descriptive																Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
0	8	BFP		102 150 64	36 77 86		BFP	phy-K	lt-mon gy	7-8	1-1.3	M (↑ in K)	5	—	1-1.5	—	low-mod	1-1.5	2-3	1-2		F.d. cp + py with minlets lots of mal. Mix of bo? matrix types. Initially more phyl, 5-8 K mainly. K areas are magnetic.	TR-5 220	.29	.09
8	10	ZST		210	80		ZST	phy-K	lt gy	8	1	—	5-6	—	1-1.5	—	—	1	1-2	—		zst. f.d. cp [illegible]			
10	16	mign zst & BFP		336 334	90 82	py 036/to	BFP	K-phyl	dk-lt gy	8-9	1	M	<5	wk (loc)	1-1.5	—	low	<1	1.5	2-3	wk	Minor zst mixed in w/ K BFP.	TRS 221	.29	.09
16	18							bld	wh.	4.5	1-2	—	<5	—	0.5	—	low	1	1	—	—	@ 16m - becomes bld wh. cp in q vns.			
18	20																					@18 - K zST			
20	23	ZST		225 129	78 90		ZST	K	mon gy	7	<1	—	5	—	.5-.9	—	low	<1	<1	—	—	Minor phyl alt'n or phyl halos around some vns.	TRS 222	.38	.17
23	27	BFP					BFP	K (wk phy)	s+p	6-7	.5	—	<5	—	.7	—	low	1	2-3	2-4		Abund. 2nd bio → salt'n pepper txt (orig. pot. alt)			
27	30						ZST	K	lt gy	6	.5	—	<5	wk	.5	—	—	1	1-1.5	—					
30	34	ZST					ZST	K-phy	lt gy-tan	7	1	—	<5	—	.5-.7	—	—	1	1-1.5	—			TRS 223	.41	.09
34	40	sharp cont. s.v. BFP		60	90		BFP	K-phy	mon lt gy	7	~1	W-M	5	wk	1-1.3	—	—	1-2	1.5	5		@36m - BFP ↑ cp - c.d. cp w/ py			
40	47	ZST					ZST	K-phy	lt gy	7-8	.7	—	5	—	1.0-1.3	—	—	1-1.5	<2	—	wk	Short sec'n of well min'd zST mild-mod sil.	TRS-224	.33	.11
47	50	sv contact BFP					BFr	K-(phy)	dk-lt gy	8	<.5	W-M	<5	wk	1-1.2	-	tr	<1	2-3	0-3	wk	Nicely f.d. cp			

Trench # T-

Orientation/length

Location

		Visual					Descriptive																Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
50	63	+ + + + + + + + + + +	[illegible]	210 230 300	83 90 66	X2 –	BFP	K-phyl	lt-mdm gy	7	1-1.3	–	5	wk	~1	–	[illegible]	<1	2	3-4		Abund. 2ndry bio. Pt/+1 of trench ends @ [illegible] rd @ 65m.	TR5-225	.35	.09
									X-ROAD													No time for detailed log? (Should be re-logged)			
80	90	+ + + - - - -					BFP 2.5								1-2 .5-1.5								TR-5 226	0.25	
90	100	- - - - - -					2.5								.5-1.5			>2					TR-5 227	0.23	
100	110	- - - - - - -					2.5								Tr.-1								TR-5 228	0.08	

Trench # TR-5 Location Page 3

Orientation/length

		Visual					Descriptive																Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
110	120	– + + – – –					2.5 BFP 2.5.								0.3 – <1%								TR-5 229	0.24	
120	130	+ +					BFP																TR-5 230	0.27	

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUV[illegible] BC [illegible] 1R[illegible] P[illegible](60[illegible] 53-[illegible] FA[illegible] 4)2[illegible] 716[illegible]
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A002283 Page 1

10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: Gordon Weary

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** gm/mt
TR-4-200	2.6	1150	2	82	.6	40	12	354	3.61	1	<1	<2	6	75	<.2	<.5	.5	102	.57	.117	13	84	1.39	1032	.221	6	1.38	.098	.79	2	<1	7.7	1	.12	4	.17
TR-4-201	2.9	813	5	142	.3	35	10	343	3.03	7	<1	<2	7	69	.2	<.5	<.5	88	.62	.116	14	70	.96	528	.163	2	1.03	.084	.54	1	<1	6.7	1	.05	4	.05
TR-4-202	16.9	913	9	107	.5	43	14	588	3.57	23	1	<2	6	91	.3	4.1	<.5	78	1.98	.101	14	64	.96	612	.074	6	.93	.037	.34	2	1	9.1	1	.19	1	.04
TR-4-203	5.3	1538	13	104	.8	46	13	466	3.86	4	<1	<2	6	49	.4	<.5	<.5	94	1.20	.120	16	72	1.34	377	.157	3	1.16	.064	.62	2	<1	8.8	<1	.35	3	.06
TR-4-204	5.3	3194	4	48	1.0	59	10	171	2.34	13	<1	<2	4	31	<.2	.6	.5	69	.19	.042	7	124	.70	344	.121	8	1.02	.047	.49	3	<1	7.0	<1	.37	4	.13
TR-4-205	6.4	3796	3	39	.7	56	11	153	2.41	<1	<1	<2	4	56	<.2	<.5	<.5	88	.74	.085	12	87	1.13	419	.180	2	1.22	.098	.71	2	<1	8.9	<1	.33	6	.15
TR-4-206	19.6	2926	5	82	1.8	56	14	496	3.72	35	<1	<2	6	46	.3	3.0	.5	81	1.81	.088	12	76	.47	372	.022	4	.98	.015	.14	2	<1	9.3	<1	.37	1	.11
TR-4-207	22.0	3744	4	87	2.6	60	13	611	3.53	18	<1	<2	6	36	.3	<.5	1.0	73	1.12	.105	13	72	.86	289	.078	6	1.11	.048	.40	2	<1	7.2	<1	.55	2	.14
TR-4-208	16.6	3066	101	68	2.0	69	12	299	3.10	181	<1	<2	6	53	.4	7.9	1.3	87	1.12	.113	12	89	1.35	287	.165	5	1.38	.098	.67	2	<1	7.0	<1	.55	4	.11
TR-4-209	19.6	3975	3	53	1.1	72	11	254	2.85	2	<1	<2	6	32	<.2	<.5	.7	97	.50	.093	15	107	1.18	342	.143	4	1.26	.081	.54	1	<1	7.8	<1	.40	5	.19
TR-5-220	25.9	2928	5	105	2.8	58	11	291	3.51	3	<1	<2	6	39	.2	<.5	1.4	106	.58	.087	14	92	1.14	353	.154	5	1.31	.081	.63	2	<1	12.0	<1	.40	5	.09
TR-5-221	22.4	2898	7	249	2.8	51	7	346	2.80	6	<1	<2	5	38	1.0	<.5	.5	85	.98	.140	14	66	1.03	517	.081	5	1.29	.073	.46	1	<1	12.2	<1	.27	5	.09
TR-5-222	27.5	3839	8	73	1.9	43	10	236	2.34	5	<1	<2	4	31	<.2	<.5	.5	85	.42	.058	13	54	.73	514	.118	6	1.05	.078	.51	2	<1	11.2	<1	.29	5	.17
TR-5-223	13.5	4114	12	155	3.3	46	7	311	2.73	26	<1	<2	5	29	.7	.5	.6	82	.84	.090	7	46	1.01	306	.060	6	1.26	.044	.38	2	<1	8.3	2	.48	4	.09
TR-5-224	40.6	3269	26	618	2.5	51	12	363	3.01	13	<1	<2	4	31	3.9	.8	.7	69	.87	.061	15	50	.81	263	.072	4	1.08	.070	.47	2	<1	9.1	<1	.50	3	.11
TR-5-225	25.4	3463	5	73	1.4	51	15	189	3.08	2	<1	<2	4	59	.3	<.5	.5	100	.62	.117	9	69	1.29	205	.179	2	1.26	.090	.68	1	<1	8.3	<1	.64	6	.09
RE TR-5-225	23.9	3406	5	69	1.3	50	14	182	3.07	3	<1	<2	5	58	.2	<.5	<.5	96	.60	.112	9	66	1.25	233	.178	2	1.21	.089	.67	2	<1	8.0	<1	.62	5	.11
TR-6-210	129.9	3797	22	135	1.4	45	7	239	1.75	14	<1	<2	4	30	.4	1.2	.7	57	.40	.037	8	40	.31	263	.021	3	.78	.059	.22	2	<1	9.8	<1	.44	3	.12
TR-6-211	41.9	1999	10	131	1.2	51	15	518	2.57	51	<1	<2	6	29	.6	1.5	.5	59	.33	.048	14	51	.19	323	.002	3	.84	.026	.19	<1	<1	10.3	<1	.29	<1	.06
TR-6-212	6.5	1170	5	74	1.8	47	13	326	3.25	20	<1	<2	4	19	.3	<.5	<.5	46	.16	.030	10	19	.27	203	.004	2	1.22	.029	.41	<1	<1	5.8	<1	.31	1	.02
TR-6-21[illegible]	13.2	1568	8	54	1.7	55	18	292	3.97	11	<1	<2	2	14	.2	1.6	<.5	49	.07	.021	7	18	.31	235	.004	3	1.27	.032	.37	<1	<1	4.9	<1	.58	<1	.05
TR-6-214	3.8	419	3	32	.4	37	12	26[illegible]	3.87	4	<1	<2	5	18	<.2	<.5	<.5	57	.11	.036	10	27	.50	212	.016	3	1.84	.057	.33	<1	<1	5.4	1	.27	2	<.01
TR-6-215	13.9	836	5	45	1.1	35	14	328	4.88	255	<1	<2	4	20	<.2	.5	<.5	67	.30	.056	7	24	.46	220	.007	2	1.68	.052	.25	[illegible]	[illegible]	[illegible]	<1	.37	3	.06
TR-6-216	15.4	1588	9	111	2.0	48	18	286	4.65	6	<1	<2	6	25	.4	<.5	.7	115	.35	.108	6	77	1.64	177	.161	2	2.11	.086	.76	1	<1	8.4	<1	.93	10	.04
TR-6-217	19.9	1154	6	75	1.6	42	17	362	3.56	28	<1	<2	5	25	.2	<.5	<.5	68	.34	.055	6	44	.81	284	.049	3	1.56	.060	.49	1	<1	6.1	<1	.61	4	.02
TR-6-218	10.8	436	4	35	.8	26	15	256	2.64	19	<1	<2	5	16	<.2	.7	<.5	30	.10	.027	11	15	.19	229	.002	4	1.12	.044	.27	1	<1	4.2	<1	.33	2	.01
TR-6-219	6.0	576	25	68	1.0	27	19	223	3.87	32	<1	<2	4	18	.2	1.1	<.5	45	.12	.030	6	16	.23	158	.006	5	1.19	.039	.28	<1	<1	5.8	<1	.51	<1	<.01
TR-7-190	49.6	3315	14	117	3.5	89	24	231	3.49	24	<1	<2	7	40	.4	<.5	.9	92	.33	.083	16	66	1.14	137	.146	4	1.69	.076	.80	2	<1	8.6	<1	.79	6	.09
TR-7-191	62.9	1748	34	112	2.2	96	12	272	2.43	370	<1	<2	7	26	.5	<.5	.7	43	.42	.045	12	32	.46	260	.005	4	.90	.029	.33	1	<1	5.1	<1	.46	2	.05
TR-7-192	79.2	2069	18	148	2.8	67	15	257	2.63	60	<1	<2	5	18	1.1	2.4	<.5	33	.16	.054	12	22	.21	236	.001	7	1.01	.030	.35	1	<1	6.0	<1	.63	1	.05
TR-7-193	24.3	865	3	34	.4	64	16	387	3.68	10	<1	<2	6	20	<.2	<.5	<.5	67	.12	.041	13	39	.47	210	.018	6	1.41	.043	.27	1	<1	7.1	<1	.48	2	.02
TR-7-194	16.9	1834	12	61	1.6	74	13	504	3.24	8	<1	<2	6	25	.2	<.5	.5	52	.31	.136	18	29	.44	301	.006	6	1.51	.055	.32	1	<1	6.8	1	.38	2	.07
TR-7-195	1.5	691	5	84	.6	33	13	283	3.77	21	<1	<2	5	31	.2	<.5	<.5	52	.26	.079	13	23	.52	221	.017	3	1.99	.072	.37	1	<1	4.8	<1	.51	3	<.01
TR-7-196	.8	164	4	29	.2	25	7	237	3.56	3	<1	<2	5	19	<.2	.6	<.5	74	.12	.050	14	30	.54	332	.059	3	1.87	.062	.28	1	<1	6.5	<1	.13	5	<.01
STANDARD C3/AU-1	26.9	67	37	169	5.4	37	12	795	3.37	59	24	<2	25	29	25.4	17.8	23.3	83	.54	.095	18	178	.63	166	.091	25	1.96	.041	.19	15	<1	4.6	2	.03	7	3.68
STANDARD G-2	1.6	14	3	44	<.1	7	3	531	2.03	<1	2	<2	5	74	<.2	<.5	<.5	40	.63	.100	7	77	.60	237	.130	9	.97	.083	.49	2	<1	2.8	<1	<.01	6	<.01

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 12 2000 DATE REPORT MAILED: July 21/00 SIGNED BY............D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data [illegible] FA ____

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A002418

10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: Gordon Weary

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** gm/mt
TR-5-226	49.3	2529	7	65	.4	49	21	131	3.39	1	<1	<2	6	25	.2	<.5	<.5	117	.26	.099	15	79	1.56	325	.279	2	1.86	.076	1.17	1	<1	11.6	<1	.51	15	.09
TR-5-227	43.7	2297	16	65	.6	45	16	226	3.95	1	<1	<2	2	15	.5	<.5	<.5	75	.09	.025	8	25	.50	189	.036	<1	1.37	.040	.25	<1	<1	6.5	<1	.64	12	.09
TR-5-228 TRS	18.3	819	22	78	.2	31	10	260	2.90	1	<1	<2	3	21	.2	<.5	<.5	79	.05	.009	12	28	.34	265	.066	3	1.30	.037	.21	1	<1	7.7	<1	.34	9	.02
TR-5-229	35.5	2447	9	69	.6	51	14	197	3.29	1	<1	<2	2	22	.2	.7	<.5	107	.24	.091	7	44	1.15	279	.191	4	1.86	.059	.79	1	<1	9.6	<1	.34	13	.08
TR-5-230	50.1	2702	8	113	2.4	48	16	251	3.75	6	<1	<2	3	25	.6	<.5	.7	86	.34	.071	10	48	1.15	286	.128	1	1.72	.055	.69	1	<1	7.8	<1	.60	14	.08
RE TR-5-230	48.1	2704	8	114	2.4	47	16	248	3.83	6	<1	<2	3	25	.6	<.5	1.4	85	.34	.071	10	48	1.14	290	.127	1	1.70	.055	.69	1	<1	7.7	<1	.60	15	.08

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 18 2000 **DATE REPORT MAILED:** Aug 1/00 **SIGNED BY** C.L........D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

Tr # T (V...) Lo... be... on ... side ... por... Page ... 2

Orientation/length E - W

		Visual					Descriptive																Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %	L...	Description	Sample No.	Cu %	Au g/t
0	2.5	ZST					ZST	K-phy	m gry-tan	8-9	1	–	5-10	–	.7-1	–	low	1	1-1.5	–		Initially subcrop - but is boulders & v. angular. ZST + BFP are siliceous.	TR-6 210	0.38	
2.5		BFP					BFP	K	m.gry	8-9	1-1.5		5	–	.7-1	–	–	1	<1	tr	tr.	BFP txt is loc. obl't'd. lb- laminated sand.			
	10	MIX					Mix of Both	AS	Above													@10m DH-92 (50' to E)			
10	13.5	ZST					ZST	K(phy)	mdm gy	8	1	–	5-7	–	.5-.7	–	–	<1	1-3	–		Minor moly or specular.			
13.5	14	MFC DKY					MFC DKY	K	"	7	<1	–	<2	–	0	–	–		1	–		MFC DYK w/ ~ 25-35% f/s phyrics	TR-6 211	0.2	
14	18	TILL					O/B																		
18	20	ZST		230 44 130	83 72 68		ZST	K-phy	lt. gy	6	.5	v. wk	7-10	–	.5	–	–	1-1.5	<1	–		@ 20m - center of road to pond and proposed holes.			
20	30	ZST		005	82		ZST	K	lt-mdm gy	6	<.5	v. wk	7	–	.5	–	tr.	1-1.5	1	–		@ 25m go up a slight hill - ledge to top w/ BST @ surface.	TR-6 212	0.12	
30	40			290 000 106 108	73 90 63 80		ZST	K-(phy)	mdm-lt gy (to tan)	6-7	<.5	v. wk	5	–	<.5	–	–	1-1.3	1-1.5	–		Py in m. vnlets & on many fractures. Cp on rare fracts.	TR-6 213	0.16	
40	50	bld.		240 153 207	87 90 90		ZST	K-(phy)	lt-gy	6	.5	–	5-7	–	tr.	–	tr.	1	1.5	–		Zst as above except w/ @ .5 - .75 m bld wh. zstone. Txt part. oblt'd locally.	TR-6 214	0.04	

Tr[illegible] # T[illegible]　　Lo[illegible]n　　Page [illegible]

Orientation/length E-W

Visual							Descriptive																Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %	hem	Description	Sample No.	Cu %	Au g/t
50	60	ZST		042 304	82 84	prop/bl'd prop/bl'd prop/bl'd	ZST	K-phy	mon gy-lt tan	6	<.5	W-M	10	—	<.5	—	tr.	1	<1	—		several .3-.05m sec'ns of bl'd ZST	TR-6 215	0.08	
60 62	62 70	SW BFP blocky		010 318 300 024	80 58 67 08		BFP	K	m-dk gy	7	.5-1	—	5	v. wk (loc)	.5-.7	—	tr.	2	2-3	4	tr.	On BFP: minor cp on fractures & locally f.d. more abnd py. BFP is quite fract'd vrs. typical. Loc hbl → bio.	TR-6-216	0.16	
70	73	BFP					BFP	K	dk gy	8	.5	—	<5	—	.7	—	—	2-3	2-3	2-3			TR-6 217	0.12	
73	80	ZST		260 020 290	68 80 90		ZST	K-phy	lt gry-tan	6	.5-.7	—	5-7	—	<.5	—	tr.	1.5	1	—		zst is locally bl'd wh- but otherwise similar to previous. Blr visibly @ surface			
80	90	ZST		250 002	74 70		ZST	K-phy	lt. gry-tan	7	.7-1	N-M ↑ (loc)	5-6	—	tr.	—	—	1	<1	—			TR-6 218	0.04	
		clay-rich		304 54	80 45		ZST	prop	bl'd	4	1-2	—	5	—	tr	—	—	<1	2-3	—		deeper o/b when ext in bl'd.			
90							ZST	prop	As Above														TR6 219	0.06	
102	103						zst	phyl	tan	7-8	1	—	5-7	—	tr	—	—	1-2	1-2	—		partially K. alt'd			

End of trench- joins N-S access road ~105-106 m.

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC ... 1R... P... (60... 53-... FA... 4)2... 716
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GEOCHEMICAL ANALYSIS CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A002283 Page 1

10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: Gordon Weary

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** gm/mt
TR-4-200	2.6	1150	2	82	.6	40	12	354	3.61	1	<1	<2	6	75	<.2	<.5	.5	102	.57	.117	13	84	1.39	1032	.221	6	1.38	.098	.79	2	<1	7.7	1	.12	4	.17
TR-4-201	2.9	813	5	142	.3	35	10	343	3.03	7	<1	<2	7	69	.2	<.5	<.5	88	.62	.116	14	70	.96	528	.163	2	1.03	.084	.54	1	<1	6.7	1	.05	4	.05
TR-4-202	16.9	913	9	107	.5	43	14	588	3.57	23	1	<2	6	91	.3	4.1	<.5	78	1.98	.101	14	64	.96	612	.074	6	.93	.037	.34	2	1	9.1	1	.19	1	.04
TR-4-203	5.3	1538	13	104	.8	46	13	466	3.86	4	<1	<2	6	49	.4	<.5	<.5	94	1.20	.120	16	72	1.34	377	.157	3	1.16	.064	.62	2	<1	8.8	<1	.35	3	.06
TR-4-204	5.3	3194	4	48	1.0	59	10	171	2.34	13	<1	<2	4	31	<.2	.6	.5	69	.19	.042	7	124	.70	344	.121	8	1.02	.047	.49	3	<1	7.0	<1	.37	4	.13
TR-4-205	6.4	3796	3	39	.7	56	11	153	2.41	<1	<1	<2	4	56	<.2	<.5	<.5	88	.74	.085	12	87	1.13	419	.180	2	1.22	.098	.71	2	<1	8.9	<1	.33	6	.15
TR-4-206	19.6	2926	5	82	1.8	56	14	496	3.72	35	<1	<2	6	46	.3	3.0	.5	81	1.81	.088	12	76	.47	372	.022	4	.98	.015	.14	2	<1	9.3	<1	.37	1	.11
TR-4-207	22.0	3744	4	87	2.6	60	13	611	3.53	18	<1	<2	6	36	.3	<.5	1.0	73	1.12	.105	13	72	.86	289	.078	6	1.11	.048	.40	2	<1	7.2	<1	.55	2	.14
TR-4-208	16.6	3066	101	68	2.0	69	12	299	3.10	181	<1	<2	6	53	.4	7.9	1.3	87	1.12	.113	12	89	1.35	287	.165	5	1.38	.098	.67	2	<1	7.0	<1	.55	4	.11
TR-4-209	19.6	3975	3	53	1.1	72	11	254	2.85	2	<1	<2	6	32	<.2	<.5	.7	97	.50	.093	15	107	1.18	342	.143	4	1.26	.081	.54	1	<1	7.8	<1	.40	5	.19
TR-5-220	25.9	2928	5	105	2.8	58	11	291	3.51	3	<1	<2	6	39	.2	<.5	1.4	106	.58	.087	14	92	1.14	353	.154	5	1.31	.081	.63	2	<1	12.0	<1	.40	5	.09
TR-5-221	22.4	2898	7	249	2.8	51	7	346	2.80	6	<1	<2	5	38	1.0	<.5	.5	85	.98	.140	14	66	1.03	517	.081	5	1.29	.073	.46	1	<1	12.2	<1	.27	5	.09
TR-5-222	27.5	3839	8	73	1.9	43	10	236	2.34	5	<1	<2	4	31	<.2	<.5	.5	85	.42	.058	13	54	.73	514	.118	6	1.05	.078	.51	2	<1	11.2	<1	.29	5	.17
TR-5-223	13.5	4114	12	155	3.3	46	7	311	2.73	26	<1	<2	5	29	.7	.5	.6	82	.84	.090	7	46	1.01	306	.060	6	1.26	.044	.38	2	<1	8.3	2	.48	4	.09
TR-5-224	40.6	3269	26	618	2.5	51	12	363	3.01	13	<1	<2	4	31	3.9	.8	.7	69	.87	.061	15	50	.81	263	.072	4	1.08	.070	.47	2	<1	9.1	<1	.50	3	.11
TR-5-225	25.4	3463	5	73	1.4	51	15	189	3.08	2	<1	<2	4	59	.3	<.5	.5	100	.62	.117	9	69	1.29	205	.179	2	1.26	.090	.68	1	<1	8.3	<1	.64	6	.09
RE TR-5-225	23.9	3406	5	69	1.3	50	14	182	3.07	3	<1	<2	5	58	.2	<.5	<.5	96	.60	.112	9	66	1.25	233	.178	2	1.21	.089	.67	2	<1	8.0	<1	.62	5	.11
TR-6-210	129.9	3797	22	135	1.4	45	7	239	1.75	14	<1	<2	4	30	.4	1.2	.7	57	.40	.037	8	40	.31	263	.021	3	.78	.059	.22	2	<1	9.8	<1	.44	3	.12
TR-6-211	41.9	1999	10	131	1.2	51	15	518	2.57	51	<1	<2	6	29	.6	1.5	.5	59	.33	.048	14	51	.19	323	.002	3	.84	.026	.19	<1	<1	10.3	<1	.29	<1	.06
TR-6-212	6.5	1170	5	74	1.8	47	13	326	3.25	20	<1	<2	4	19	.3	<.5	<.5	46	.16	.030	10	19	.27	203	.004	2	1.22	.029	.41	<1	<1	5.8	<1	.31	1	.02
TR-6-213	13.2	1568	8	54	1.7	55	18	292	3.97	11	<1	<2	2	14	.2	1.6	<.5	49	.07	.021	7	18	.31	235	.004	3	1.27	.032	.37	<1	<1	4.9	<1	.58	<1	.05
TR-6-214	3.8	419	3	32	.4	37	12	263	3.87	4	<1	<2	5	18	<.2	<.5	<.5	57	.11	.036	10	27	.50	212	.016	3	1.84	.057	.33	<1	<1	5.4	1	.27	2	<.01
TR-6-215	13.9	836	5	45	1.1	35	14	328	4.88	255	<1	<2	4	20	<.2	.5	<.5	67	.30	.056	7	24	.46	220	.007	2	1.68	.052	.25	<1	<1	6.9	<1	.37	3	.06
TR-6-216	15.4	1588	9	111	2.0	48	18	286	4.65	6	<1	<2	6	25	.4	<.5	.7	115	.35	.108	6	77	1.64	177	.161	2	2.11	.086	.76	1	<1	8.4	<1	.93	10	.04
TR-6-217	19.9	1154	6	75	1.6	42	17	362	3.56	28	<1	<2	5	25	.2	<.5	<.5	68	.34	.055	6	44	.81	284	.049	3	1.56	.060	.49	1	<1	6.1	<1	.61	4	.02
TR-6-218	10.8	436	4	35	.8	26	15	256	2.64	19	<1	<2	5	16	<.2	.7	<.5	30	.10	.027	11	15	.19	229	.002	4	1.12	.044	.27	1	<1	4.2	<1	.33	2	.01
TR-6-219	6.0	576	25	68	1.0	27	19	223	3.87	32	<1	<2	4	18	.2	1.1	<.5	45	.12	.030	6	16	.23	158	.006	5	1.19	.039	.28	<1	<1	5.8	<1	.51	<1	<.01
TR-7-190	49.6	3315	14	117	3.5	89	24	231	3.49	24	<1	<2	7	40	.4	<.5	.9	92	.33	.083	16	66	1.14	137	.146	4	1.69	.076	.80	2	<1	8.6	<1	.79	6	.09
TR-7-191	62.9	1748	34	112	2.2	96	12	272	2.43	370	<1	<2	7	26	.5	<.5	.7	43	.42	.045	12	32	.46	260	.005	4	.90	.029	.33	1	<1	5.1	<1	.46	2	.05
TR-7-192	79.2	2069	18	148	2.8	67	15	257	2.63	60	<1	<2	5	18	1.1	2.4	<.5	33	.16	.054	12	22	.21	236	.001	7	1.01	.030	.35	1	<1	6.0	<1	.63	1	.05
TR-7-193	24.3	865	3	34	.4	64	16	387	3.68	10	<1	<2	6	20	<.2	<.5	<.5	67	.12	.041	13	39	.47	210	.018	6	1.41	.043	.27	1	<1	7.1	<1	.48	2	.02
TR-7-194	16.9	1834	12	61	1.6	74	13	504	3.24	8	<1	<2	6	25	.2	<.5	.5	52	.31	.136	18	29	.44	301	.006	6	1.51	.055	.32	1	<1	6.8	1	.38	2	.07
TR-7-195	1.5	691	5	84	.6	33	13	283	3.77	21	<1	<2	5	31	.2	<.5	<.5	52	.26	.079	13	23	.52	221	.017	3	1.99	.072	.37	1	<1	4.8	<1	.51	3	<.01
TR-7-196	.8	164	4	29	.2	25	7	237	3.56	3	<1	<2	5	19	<.2	.6	<.5	74	.12	.050	14	30	.54	332	.059	3	1.87	.062	.28	1	<1	6.5	<1	.13	5	<.01
STANDARD C3/AU-1	26.9	67	37	169	5.4	37	12	795	3.37	59	24	<2	25	29	25.4	17.8	23.3	83	.54	.095	18	178	.63	166	.091	25	1.96	.041	.19	15	<1	4.6	2	.03	7	3.68
STANDARD G-2	1.6	14	3	44	<.1	7	3	531	2.03	<1	2	<2	5	74	<.2	<.5	<.5	40	.63	.100	7	77	.60	237	.130	9	.97	.083	.49	2	<1	2.8	<1	<.01	6	<.01

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 12 2000 DATE REPORT MAILED: July 21/00 SIGNED BY.......... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

Trench # 2000 TR-6

Orientation/length E-W

Location Trench begins 5m west of main access road

From m	To m	ROCK (S N)	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
0	2 / 10			20 128 28 310 045	45 30 88 80 82	soft rock, highly fract.	BFP ZST	K(phy) K-Sil.	mom gry wh-momgry	6 3.5	M M	N-W —	<5 5-10	— —	.5-.9 tr.	— —	— tr.	1-1.5 2	1 3	2-3 —		BFP has a purple hue sign. 2nd. bio, some small blebs cpy. ZST is locally bl'd white w/ jerosite or is mom gry & v. sil. <2m of zst. cp is c.d.	TR-6 325		
10	15 / 17 / 20	N wall zst		216	76		BFP ZST BFP	K K-phy As	dk gry mom-ltgy ABOVE	6 6	W M	N-W —	<5 5	W —	tr. —	— —	— —	3-4 3	2 4	3-5 —		Sign. inc. in Py @ 13.5m to 3-4%. 15-17m - zst. Some zst v. weath + lim + jar. Bleached ext. DK K BFP w/ PY + tr. cpy only.	TR-6 336		
20	23 / 24.5						BFP ZST	" "	"														TR6 337		
	30						BFP	K-Si	mom gry	6	N-W	W	<5	—	.3	—	tr	2-3	4	3-5		24.5-30 - v. hard resist			
30							BFP	K	mom-dk gry	5-6	N-W	V. W	<5	—	.5	—	—	2	1-1.5	1-2		Cp inc. to the west. cp + py on fractures.	TR-6 338		
40																									

Trench # 2000-TR6   Location

Orientation/length

		Visual					Descriptive															Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %	Description	Sample No.	Cu %	Au g/t
	50					Qz-cp.	BFP	Silic w/ minor clay, ser	Med gry.	7	W	N	5	N	0.7	-	tr.	0.9	-	<1	-contact w/ ZS is covered; yet may be a shear zone? -texture has been nearly obliterated	TR-6 340		
	60			212 53	40 60		BFP.	K, minor ser+clay	med-dk gry	5	W	N		W	0.6	-	-	0.3	-	8	cp is cd. and along small fract.			
							BFP	phyll	Med-lt gry.	5-6	W	N	1	N	Tr	-	-	Tr	0.2	-	-coarse grained silicified texture			
	70			274 184 221	67 58 82		BFP	K	dk gry	5-6	W	N	1	W	0.8	-	Tr	1.0	0	8	-cp cd and along fract w/ py	TR-6 341		
	80			211 76	74 50	Qz-cl-cp-py	BFP	K	dk gry	5-6	W	N	3	W	0.6	-	Tr	0.8	0	8	-Less cp than Previous interval	TR-6 342		

END OF TRENCH

(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A003865 Page 1

10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: L. Vince Williams

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** gm/mt	Sample lb
TR-1-300	7.3	655	27	162	.4	90	25	795	2.93	199	1	<2	2	56	1.0	4.1	<.5	51	.98	.008	7	62	.35	313	.005	4	.69	.009	.12	<1	<1	6.4	<1	.12	1	<.01	6.0
TR-1-301	14.6	3359	14	92	2.0	52	20	494	3.15	49	1	<2	3	37	.5	1.6	<.5	66	.80	.010	9	42	.24	98	.008	3	.91	.030	.11	1	1	12.0	<1	.36	2	.09	7.0
TR-1-302	77.8	2957	7	65	1.3	39	21	244	2.37	18	1	<2	3	24	.3	<.5	<.5	31	.11	.022	10	14	.11	300	.006	3	.86	.088	.23	1	<1	6.3	<1	.38	1	.12	6.0
TR-1-303	20.3	2770	8	103	.8	79	24	359	3.12	13	3	<2	4	95	.4	<.5	<.5	108	1.83	.129	22	90	.49	487	.007	4	.87	.034	.05	1	<1	14.4	<1	.35	2	.10	6.0
TR-1-304	75.4	4554	5	137	1.5	61	27	237	4.32	12	3	<2	4	45	.4	<.5	<.5	141	.69	.143	23	97	1.81	377	.327	3	1.60	.107	1.38	1	<1	11.2	<1	.62	8	.14	6.5
TR-1-305	36.2	2442	6	73	.9	40	15	285	2.55	23	1	<2	2	31	.3	<.5	<.5	54	.39	.097	17	24	.27	356	.015	3	.99	.029	.24	1	<1	8.0	<1	.44	2	.08	7.0
TR-1-306 TR 1	122.4	3605	18	144	2.8	59	19	378	2.58	66	1	<2	2	24	.8	1.5	<.5	45	.64	.017	9	14	.21	238	.001	6	.82	.010	.18	<1	<1	9.6	<1	.38	1	.11	7.0
TR-1-307	57.8	1993	8	74	.7	57	15	335	2.46	45	1	<2	2	49	.3	<.5	<.5	57	1.33	.063	38	50	.39	340	.004	5	.93	.032	.14	1	<1	9.7	<1	.21	2	.05	8.0
TR-1-308	23.1	1334	6	91	.8	96	28	526	4.84	81	3	<2	4	82	.4	1.8	<.5	139	1.30	.091	14	117	1.19	238	.146	2	1.50	.047	.68	<1	1	14.7	3	.41	6	.04	7.0
TR-1-309	20.9	2464	4	87	1.0	63	29	242	5.06	22	6	<2	4	82	.2	<.5	<.5	131	.92	.117	14	109	2.00	230	.245	4	2.89	.228	1.56	1	<1	13.2	2	1.00	13	.07	15.5
TR-1-310	7.8	718	9	59	.1	55	28	154	5.68	4	2	<2	5	65	<.2	<.5	<.5	131	.81	.173	21	92	1.99	145	.280	3	2.38	.175	1.42	<1	<1	10.7	2	1.74	11	<.01	11.5
TR-1-311	24.6	910	6	69	.3	52	28	223	5.35	55	2	<2	5	66	<.2	<.5	<.5	128	.79	.174	21	90	2.15	200	.281	3	2.33	.164	1.47	1	<1	10.7	1	1.23	12	.03	15.0
TR-4-312	12.9	1767	3	60	.4	52	12	176	2.60	1	1	<2	5	40	<.2	<.5	<.5	116	.48	.126	16	90	1.72	526	.267	<1	1.54	.121	1.11	1	<1	9.7	1	.14	6	.09	11.0
TR-4-313	33.9	3837	9	107	.9	58	15	186	2.97	15	2	<2	4	73	.6	<.5	<.5	108	.85	.121	17	57	1.13	281	.173	<1	1.18	.079	.72	2	<1	10.5	2	.52	5	.13	18.0
TR-4-314 TR4	73.5	3099	21	98	.9	97	16	576	3.06	4	1	<2	3	33	.4	<.5	<.5	88	.46	.104	15	76	.69	256	.073	6	1.34	.063	.42	1	<1	9.4	<1	.69	4	.10	13.0
TR-4-315	23.4	558	14	162	.5	37	8	452	2.24	80	1	<2	2	42	.7	3.7	<.5	52	.98	.052	6	39	.34	441	.002	4	.64	.005	.08	1	<1	9.6	<1	.17	1	.01	3.0
RE TR-4-315	22.7	525	14	162	.5	37	8	456	2.25	80	1	<2	2	43	.7	3.7	<.5	52	.98	.052	6	39	.34	442	.002	2	.63	.004	.08	1	<1	9.7	<1	.17	1	.02	-
TR-4-316	34.5	1692	14	141	1.5	77	35	518	4.58	385	3	<2	2	64	.3	5.4	<.5	92	.73	.093	11	64	.21	132	.005	3	.94	.004	.08	1	1	10.2	<1	.25	2	.03	14.5
TR-4-317	3.6	2709	7	108	1.8	39	33	301	1.89	493	1	<2	2	41	.4	3.2	<.5	39	.31	.054	6	32	.11	201	.001	1	.72	.006	.06	2	1	5.5	1	.35	1	.07	13.0
TR-4-318	4.4	681	22	62	.7	47	16	297	2.06	331	2	<2	2	39	.2	3.1	<.5	42	.30	.056	9	30	.13	241	.001	3	.78	.003	.10	<1	1	4.6	1	.37	1	.02	13.5
TR-7-319	1.3	705	8	54	.5	41	32	117	2.88	43	1	<2	1	17	.2	2.0	<.5	32	.20	.039	6	16	.21	157	.008	1	1.15	.050	.28	1	<1	5.7	1	.87	2	<.01	3.5
TR-7-320 TR7	5.1	1021	15	164	2.3	37	28	329	2.56	160	1	<2	1	16	1.2	1.8	<.5	34	.20	.039	10	15	.20	134	.003	3	1.05	.034	.31	<1	<1	3.9	<1	.41	2	.03	12.0
TR-7-321	5.4	1050	19	410	1.4	48	18	435	4.12	163	2	<2	3	42	2.2	<.5	<.5	110	1.04	.139	10	87	1.93	248	.082	3	2.03	.071	.48	1	<1	7.7	<1	.66	9	.02	13.0
TR-7-322	6.7	2211	24	317	7.3	41	23	463	4.66	182	2	<2	4	45	1.4	.5	<.5	85	.97	.138	9	51	1.22	149	.051	4	1.29	.050	.40	<1	<1	6.7	<1	1.09	5	.03	12.5
TR-7-323	2.4	501	9	85	.5	65	20	215	3.76	41	1	<2	1	33	.4	<.5	<.5	56	.42	.055	7	26	.52	113	.013	2	1.19	.066	.30	1	<1	6.1	1	1.28	3	<.01	7.0
TR-7-324	1.4	1316	22	114	2.8	60	89	417	5.30	246	1	<2	1	22	.5	<.5	<.5	78	.28	.095	7	38	.51	190	.050	5	1.88	.056	.40	1	<1	7.9	1	.95	6	.01	5.0
TR-6-325	28.6	1455	36	267	4.0	62	14	542	4.79	84	1	<2	4	28	1.0	<.5	1.3	87	.61	.116	22	67	1.37	310	.070	6	1.78	.056	.39	2	<1	6.6	<1	.58	8	.05	8.0
TR-6-326	12.1	1524	11	135	3.5	46	19	328	5.65	58	2	<2	4	27	.3	<.5	1.1	109	.32	.129	18	80	1.59	159	.172	1	1.98	.075	.89	<1	<1	8.3	2	1.08	9	.05	11.0
TR-6-337	8.6	997	6	91	.9	43	27	256	4.99	73	4	<2	3	30	.2	.6	.6	113	.41	.119	20	79	1.73	160	.206	3	1.96	.076	1.21	1	<1	9.3	<1	1.24	10	.02	6.0
TR-6-338 TR6.	20.4	1066	7	284	1.8	70	88	575	4.98	731	3	<2	4	50	.9	<.5	<.5	121	1.12	.134	11	84	1.98	206	.089	5	2.02	.069	.42	<1	<1	9.0	<1	.59	9	.03	12.0
TR-6-339	4.9	696	6	83	.7	37	18	217	3.40	59	1	<2	2	23	.3	.5	<.5	65	.37	.060	9	51	.78	201	.054	<1	1.40	.059	.52	1	<1	6.9	<1	.78	4	<.01	6.0
TR-6-340 0.118	4.0	1504	13	150	3.1	42	21	288	3.85	81	2	<2	3	20	.7	.6	<.5	84	.37	.104	7	55	1.25	211	.117	<1	1.42	.054	.65	<1	<1	6.5	2	.76	6	.02	7.0
TR-6-341	5.6	1631	7	160	3.0	47	22	368	4.58	142	2	<2	4	32	.8	.5	.6	101	.60	.143	16	68	1.42	263	.186	1	1.62	.081	.93	1	<1	8.8	1	.71	7	.07	7.5
TR-6-342	4.4	604	4	58	.4	42	13	215	4.21	5	3	<2	4	35	<.2	<.5	<.5	130	.48	.143	10	92	2.11	300	.281	1	2.06	.105	1.49	<1	<1	10.9	2	.87	11	<.01	4.0
STANDARD C3/AU-1	27.7	67	34	167	5.5	38	13	819	3.44	59	24	2	22	30	23.5	17.4	23.9	83	.61	.097	21	182	.63	163	.092	23	1.87	.041	.17	15	1	4.6	1	.03	7	3.51	-
STANDARD G-2	1.5	5	3	45	<.1	7	4	557	2.05	<1	3	<2	5	78	<.2	<.5	<.5	42	.68	.105	10	82	.63	247	.139	3	1.01	.106	.53	2	<1	2.7	<1	<.01	4	-	-

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 2 2000 DATE REPORT MAILED: Oct 14/00 SIGNED BY ..D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

Trench # TK-7 - The west side July 1200 ED Location Trench begins close to NU-10

Orientation/length E-W.

		Visual					Descriptive																Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
0 1.5 3 7	1.5 3 7 10	ZST BFP ZST +BFP. BFP					ZST BFP ZST BFP	K K K K	m-lt gry DK gy AS m-dK gry	7 8 PREVIOUS. 7	.5 <.5 <.5	— —	4-5 <5	— —	.5 .7-1 .1 1.5	— — —	— —	<1 1.5 1- 1.5	1.5 1.3	— 2		→ Around 2nd lab BFP Pert. oxid weath. ZST has strong sw veining BFP has cp. cp. + py. Mild hem. stain.	TR-7 190	0.33	
10 11	11 20	BFP ZST	sw fracts				ZST	K (mild prop)	mdm gry. (tan)	7-8	.5-.7	—	5	—	.5 .6	—	—	<1	2-2.5	—		Py. cpy + Tr. mo on some fracts. strong sw fract'g. ZST looks poorly min'd except on several fractures.	TR-7 191	0.17	
20	30						ZST	K. (sil)	mdm gry	8-9	<1	—	5-7	—	<.5	—	—	<1	2.5-3	—		V. similar to previous although fewer fracts & less min'.	TR-7 192	0.20	
30	40			275 50 000	70 088 76		ZST	K	mdm gry	7	.7	N to V. wk	5	—	<.5	—		<1	3	—		Decrease yet in sw fracturing.	TR-7 193	0.07	
40	50			under puddle			ZST (mild phyl)	K	mdm gry - wkly tan	7	<.5	—	5-6	—	Tr.	—	—	.5	1	—		Sus - mainly py. smeared or f.d. on fractures. casing for DH-85(?) found close to 50m.	TR-7 194	0.18	

Trench # Tr 7 [illegible] JL, ZC ED Location

Orientation/length E-W.

From m	To m	Visual: ROCK	FRACT	strike	dip	VEINS	Descriptive: Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Assays: Sample No.	Cu %	Au g/t
50	52.5	ZST					ZST	K-wk phy	AS ABOVE																
52.5	53.5	BFP					BFP	phy	tan	6-7	1-1.5	—	5-7	—	<1	—	—	2-3	<1	—		Increase in su's in BFP. mainly diss py.	TR7-195	0.07	
53.5	60	ZST					ZST	K	m-dk gry	6	1	—	<5	—	tr.	—	—	.5	<1						
60	70	ZST		046 110	80 90		ZST	K	mdm to dk gy	7	1	M	5-7	—	tr.	—	—	.5 .7	<1	—		Gradual change from good to mod exposure. phyl. alt'n halos around py vns.	TR7 196	0.02	
70	71						ZST	AS ABOVE															TR7 197	0.06	
71	72	BFP					BFP	phyl	lt gy	5	2	—	<5	—	.5	—	low	1/2	2	—		BFP-mal. on fract. surf.			
72	80						ZST	K	mdm-dk gry	7	<.5	—	<5	—	<.5	—	tr.	.5		—		v.f. cp. on fractures slight to mod hem. stain.			
80	85						ZST	K	AS ABOVE													Sim. to above w/ local f.dk. peppering.	TR7 198	0.06	
85	87	BFP					BFP	phyl (wk K)	lt gry tan	6	.5-1	—	5-6	—	<.5	—	—	1-1.5	<1	—		BFP is phyl w/ wk K (some secondary bio. in tact).			
87	91						ZST	k-phy	lt gry-tan	6	1	—	6-7	v. wk loc	<.3	—	—	<1	1-1.5	—		Outcrop close to surface			
91	105	TILL																				TILL 91-105 m. Did not trench deep enough.			
105	117						BFP	K	mdm gry	7	.5	L-M	<5	—	.5 .7	—	MOD	1-2	<2	2-3		Inc. from tr. to <1% cp thru K area. Rock type looks good fr min.	TR7-199	0.09	
117	120			000 074	90 90	qz-mal		phy (cont)	tan	8-9	<.5	—	<5	—	.5-.6	—	low/mod	<1	2	tr.		Joins w/ RD-4 @ EOT.			

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
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GEOCHEMICAL ANALYSIS CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A002283 Page 1

10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: Gordon Weary

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** gm/mt
TR-4-200	2.6	1150	2	82	.6	40	12	354	3.61	1	<1	<2	6	75	<.2	<.5	.5	102	.57	.117	13	84	1.39	1032	.221	6	1.38	.098	.79	2	<1	7.7	1	.12	4	.17
TR-4-201	2.9	813	5	142	.3	35	10	343	3.03	7	<1	<2	7	69	.2	<.5	<.5	88	.62	.116	14	70	.96	528	.163	2	1.03	.084	.54	1	<1	6.7	1	.05	4	.05
TR-4-202	16.9	913	9	107	.5	43	14	588	3.57	23	1	<2	6	91	.3	4.1	<.5	78	1.98	.101	14	64	.96	612	.074	6	.93	.037	.34	2	1	9.1	1	.19	1	.04
TR-4-203	5.3	1538	13	104	.8	46	13	466	3.86	4	<1	<2	6	49	.4	<.5	<.5	94	1.20	.120	16	72	1.34	377	.157	3	1.16	.064	.62	2	<1	8.8	<1	.35	3	.06
TR-4-204	5.3	3194	4	48	1.0	59	10	171	2.34	13	<1	<2	4	31	<.2	.6	.5	69	.19	.042	7	124	.70	344	.121	8	1.02	.047	.49	3	<1	7.0	<1	.37	4	.13
TR-4-205	6.4	3796	3	39	.7	56	11	153	2.41	<1	<1	<2	4	56	<.2	<.5	<.5	88	.74	.085	12	87	1.13	419	.180	2	1.22	.098	.71	2	<1	8.9	<1	.33	6	.15
TR-4-206	19.6	2926	5	82	1.8	56	14	496	3.72	35	<1	<2	6	46	.3	3.0	.5	81	1.81	.088	12	76	.47	372	.022	4	.98	.015	.14	2	<1	9.3	<1	.37	1	.11
TR-4-207	22.0	3744	4	87	2.6	60	13	611	3.53	18	<1	<2	6	36	.3	<.5	1.0	73	1.12	.105	13	72	.86	289	.078	6	1.11	.048	.40	2	<1	7.2	<1	.55	2	.14
TR-4-208	16.6	3066	101	68	2.0	69	12	299	3.10	181	<1	<2	6	53	.4	7.9	1.3	87	1.12	.113	12	89	1.35	287	.165	5	1.38	.098	.67	2	<1	7.0	<1	.55	4	.11
TR-4-209	19.6	3975	3	53	1.1	72	11	254	2.85	2	<1	<2	6	32	<.2	<.5	.7	97	.50	.093	15	107	1.18	342	.143	4	1.26	.081	.54	1	<1	7.8	<1	.40	5	.19
TR-5-220	25.9	2928	5	105	2.8	58	11	291	3.51	3	<1	<2	6	39	.2	<.5	1.4	106	.58	.087	14	92	1.14	353	.154	5	1.31	.081	.63	2	<1	12.0	<1	.40	5	.09
TR-5-221	22.4	2898	7	249	2.8	51	7	346	2.80	6	<1	<2	5	38	1.0	<.5	.5	85	.98	.140	14	66	1.03	517	.081	5	1.29	.073	.46	1	<1	12.2	<1	.27	5	.09
TR-5-222	27.5	3839	8	73	1.9	43	10	236	2.34	5	<1	<2	4	31	<.2	<.5	.5	85	.42	.058	13	54	.73	514	.118	6	1.05	.078	.51	2	<1	11.2	<1	.29	5	.17
TR-5-223	13.5	4114	12	155	3.3	46	7	311	2.73	26	<1	<2	5	29	.7	.5	.6	82	.84	.090	7	46	1.01	306	.060	6	1.26	.044	.38	2	<1	8.3	2	.48	4	.09
TR-5-224	40.6	3269	26	618	2.5	51	12	363	3.01	13	<1	<2	4	31	3.9	.8	.7	69	.87	.061	15	50	.81	263	.072	4	1.08	.070	.47	2	<1	9.1	<1	.50	3	.11
TR-5-225	25.4	3463	5	73	1.4	51	15	189	3.08	2	<1	<2	4	59	.3	<.5	.5	100	.62	.117	9	69	1.29	205	.179	2	1.26	.090	.68	1	<1	8.3	<1	.64	6	.09
RE TR-5-225	23.9	3406	5	69	1.3	50	14	182	3.07	3	<1	<2	5	58	.2	<.5	<.5	96	.60	.112	9	66	1.25	233	.178	2	1.21	.089	.67	2	<1	8.0	<1	.62	5	.11
TR-6-210	129.9	3797	22	135	1.4	45	7	239	1.75	14	<1	<2	4	30	.4	1.2	.7	57	.40	.037	8	40	.31	263	.021	3	.78	.059	.22	2	<1	9.8	<1	.44	3	.12
TR-6-211	41.9	1999	10	131	1.2	51	15	518	2.57	51	<1	<2	6	29	.6	1.5	.5	59	.33	.048	14	51	.19	323	.002	3	.84	.026	.19	<1	<1	10.3	<1	.29	<1	.06
TR-6-212	6.5	1170	5	74	1.8	47	13	326	3.25	20	<1	<2	4	19	.3	<.5	<.5	46	.16	.030	10	19	.27	203	.004	2	1.22	.029	.41	<1	<1	5.8	<1	.31	1	.02
TR-6-213	13.2	1568	8	54	1.7	55	18	292	3.97	11	<1	<2	2	14	.2	1.6	<.5	49	.07	.021	7	18	.31	235	.004	3	1.27	.032	.37	<1	<1	4.9	<1	.58	<1	.05
TR-6-214	3.8	419	3	32	.4	37	12	263	3.87	4	<1	<2	5	18	<.2	<.5	<.5	57	.11	.036	10	27	.50	212	.016	3	1.84	.057	.33	<1	<1	5.4	1	.27	2	<.01
TR-6-215	13.9	836	5	45	1.1	35	14	328	4.88	255	<1	<2	4	20	<.2	.5	<.5	67	.30	.056	7	24	.46	220	.007	2	1.68	.052	.25	<1	<1	6.9	<1	.37	3	.06
TR-6-216	15.4	1588	9	111	2.0	48	18	286	4.65	6	<1	<2	6	25	.4	<.5	.7	115	.35	.108	6	77	1.64	177	.161	2	2.11	.086	.76	1	<1	8.4	<1	.93	10	.04
TR-6-217	19.9	1154	6	75	1.6	42	17	362	3.56	28	<1	<2	5	25	.2	<.5	<.5	68	.34	.055	6	44	.81	284	.049	3	1.56	.060	.49	1	<1	6.1	<1	.61	4	.02
TR-6-218	10.8	436	4	35	.8	26	15	256	2.64	19	<1	<2	5	16	<.2	.7	<.5	30	.10	.027	11	15	.19	229	.002	4	1.12	.044	.27	1	<1	4.2	<1	.33	2	.01
TR-6-219	6.0	576	25	68	1.0	27	19	223	3.87	32	<1	<2	4	18	.2	1.1	<.5	45	.12	.030	6	16	.23	158	.006	5	1.19	.039	.28	<1	<1	5.8	<1	.51	<1	<.01
TR-7-190	49.6	3315	14	117	3.5	89	24	231	3.49	24	<1	<2	7	40	.4	<.5	.9	92	.33	.083	16	66	1.14	137	.146	4	1.69	.076	.80	2	<1	8.6	<1	.79	6	.09
TR-7-191	62.9	1748	34	112	2.2	96	12	272	2.43	370	<1	<2	7	26	.5	<.5	.7	43	.42	.045	12	32	.46	260	.005	4	.90	.029	.33	1	<1	5.1	<1	.46	2	.05
TR-7-192	79.2	2069	18	148	2.8	67	15	257	2.63	60	<1	<2	5	18	1.1	2.4	<.5	33	.16	.054	12	22	.21	236	.001	7	1.01	.030	.35	1	<1	6.0	<1	.63	1	.05
TR-7-193	24.3	865	3	34	.4	64	16	387	3.68	10	<1	<2	6	20	<.2	<.5	<.5	67	.12	.041	13	39	.47	210	.018	6	1.41	.043	.27	1	<1	7.1	<1	.48	2	.02
TR-7-194	16.9	1834	12	61	1.6	74	13	504	3.24	8	<1	<2	6	25	.2	<.5	.5	52	.31	.136	18	29	.44	301	.006	6	1.51	.055	.32	1	<1	6.8	1	.38	2	.07
TR-7-195	1.5	691	5	84	.6	33	13	283	3.77	21	<1	<2	5	31	.2	<.5	<.5	52	.26	.079	13	23	.52	221	.017	3	1.99	.072	.37	1	<1	4.8	<1	.51	3	<.01
TR-7-196	.8	164	4	29	.2	25	7	237	3.56	3	<1	<2	5	19	<.2	.6	<.5	74	.12	.050	14	30	.54	332	.059	3	1.87	.062	.28	1	<1	6.5	<1	.13	5	<.01
STANDARD C3/AU-1	26.9	67	37	169	5.4	37	12	795	3.37	59	24	<2	25	29	25.4	17.8	23.3	83	.54	.095	18	178	.63	166	.091	25	1.96	.041	.19	15	<1	4.6	2	.03	7	3.68
STANDARD G-2	1.6	14	3	44	<.1	7	3	531	2.03	<1	2	<2	5	74	<.2	<.5	<.5	40	.63	.100	7	77	.60	237	.130	9	.97	.083	.49	2	<1	2.8	<1	<.01	6	<.01

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 12 2000 DATE REPORT MAILED: July 21/00 SIGNED BY..........D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm
TR-7-197	7.1	970	8	138	1.3	35	17	250	3.19	77	<1	<2	1	20	.5	3.1	.9	62
TR-7-198	2.2	624	12	84	.8	28	12	213	2.84	150	<1	<2	2	20	.5	3.2	<.5	81
TR-7-199	4.5	947	19	195	1.5	50	31	395	4.55	223	1	4	4	35	1.1	2.2	.6	113
RE TR-7-199	4.4	986	18	193	1.5	49	31	392	4.50	214	1	4	4	35	1.1	2.3	.7	113
STANDARD C3	26.9	63	34	164	5.6	34	11	771	3.06	58	23	<2	21	28	22.3	19.6	23.2	88
STANDARD G-2	1.8	8	4	40	.1	7	4	510	1.93	<1	3	<2	4	76	<.2	<.5	<.5	58

SAMPLE#	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** gm/mt
TR-7-197	.24	.063	9	20	.26	224	.010	7	1.26	.056	.21	1	<1	5.4	<1	.35	3	<.01
TR-7-198	.21	.070	9	38	.69	202	.035	11	1.60	.074	.34	1	<1	6.0	<1	.46	6	.01
TR-7-199	.50	.128	11	86	1.80	170	.137	10	2.06	.079	.70	1	<1	7.7	<1	.77	9	.02
RE TR-7-199	.50	.129	10	86	1.78	184	.138	10	2.05	.080	.70	1	<1	7.7	1	.77	9	.01
STANDARD C3	.55	.096	20	169	.58	157	.084	25	1.75	.041	.16	15	1	4.4	<1	.02	7	-
STANDARD G-2	.63	.102	9	75	.56	241	.124	8	1.00	.117	.50	2	<1	2.5	1	<.01	4	-

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

Data FA ____

GEOCHEMICAL ANALYSIS CERTIFICATE

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10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: L. Vince Williams

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** gm/mt	Sample lb
TR-1-300	7.3	655	27	162	.4	90	25	795	2.93	199	1	<2	2	56	1.0	4.1	<.5	51	.98	.008	7	62	.35	313	.005	4	.69	.009	.12	<1	<1	6.4	<1	.12	1	<.01	6.0
TR-1-301	14.6	3359	14	92	2.0	52	20	494	3.15	49	1	<2	3	37	.5	1.6	<.5	66	.80	.010	9	42	.24	98	.008	3	.91	.030	.11	1	1	12.0	<1	.36	2	.09	7.0
TR-1-302	77.8	2957	7	65	1.3	39	21	244	2.37	18	1	<2	3	24	.3	<.5	<.5	31	.11	.022	10	14	.11	300	.006	3	.86	.088	.23	1	<1	6.3	<1	.38	1	.12	6.0
TR-1-303	20.3	2770	8	103	.8	79	24	359	3.12	13	3	<2	4	95	.4	<.5	<.5	108	1.83	.129	22	90	.49	487	.007	4	.87	.034	.05	1	<1	14.4	<1	.35	2	.10	6.0
TR-1-304	75.4	4554	5	137	1.5	61	27	237	4.32	12	3	<2	4	45	.4	<.5	<.5	141	.69	.143	23	97	1.81	377	.327	3	1.60	.107	1.38	1	<1	11.2	<1	.62	8	.14	6.5
TR-1-305	36.2	2442	6	73	.9	40	15	285	2.55	23	1	<2	2	31	.3	<.5	<.5	54	.39	.097	17	24	.27	356	.015	3	.99	.029	.24	1	<1	8.0	<1	.44	2	.08	7.0
TR-1-306	122.4	3605	18	144	2.8	59	19	378	2.58	66	1	<2	2	24	.8	1.5	<.5	45	.64	.017	9	14	.21	238	.001	6	.82	.010	.18	<1	<1	9.6	<1	.38	1	.11	7.0
TR-1-307	57.8	1993	8	74	.7	57	15	335	2.46	45	1	<2	2	49	.3	<.5	<.5	57	1.33	.063	38	50	.39	340	.004	5	.93	.032	.14	1	<1	9.7	<1	.21	2	.05	8.0
TR-1-308	23.1	1334	6	91	.8	96	28	526	4.84	81	3	<2	4	82	.4	1.8	<.5	139	1.30	.091	14	117	1.19	238	.146	2	1.50	.047	.68	<1	1	14.7	3	.41	6	.04	7.0
TR-1-309	20.9	2464	4	87	1.0	63	29	242	5.06	22	6	<2	4	82	.2	<.5	<.5	131	.92	.117	14	109	2.00	230	.245	4	2.89	.228	1.56	1	<1	13.2	2	1.00	13	.07	15.5
TR-1-310	7.8	718	9	59	.1	55	28	154	5.68	4	2	<2	5	65	<.2	<.5	<.5	131	.81	.173	21	92	1.99	145	.280	3	2.38	.175	1.42	<1	<1	10.7	2	1.74	11	<.01	11.5
TR-1-311	24.6	910	6	69	.3	52	28	223	5.35	55	2	<2	5	66	<.2	<.5	<.5	128	.79	.174	21	90	2.15	200	.281	3	2.33	.164	1.47	1	<1	10.7	1	1.23	12	.03	15.0
TR-4-312	12.9	1767	3	60	.4	52	12	176	2.60	1	1	<2	5	40	<.2	<.5	<.5	116	.48	.126	16	90	1.72	526	.267	<1	1.54	.121	1.11	1	<1	9.7	1	.14	6	.09	11.0
TR-4-313	33.9	3837	9	107	.9	58	15	186	2.97	15	2	<2	4	73	.6	<.5	<.5	108	.85	.121	17	57	1.13	281	.173	<1	1.18	.079	.72	2	<1	10.5	2	.52	5	.13	18.0
TR-4-314	73.5	3099	21	98	.9	97	16	576	3.06	4	1	<2	3	33	.4	<.5	<.5	88	.46	.104	15	76	.69	256	.073	6	1.34	.063	.42	1	<1	9.4	<1	.69	4	.10	13.0
TR-4-315	23.4	558	14	162	.5	37	8	452	2.24	80	1	<2	2	42	.7	3.7	<.5	52	.98	.052	6	39	.34	441	.002	4	.64	.005	.08	1	<1	9.6	<1	.17	1	.01	3.0
RE TR-4-315	22.7	525	14	162	.5	37	8	456	2.25	80	1	<2	2	43	.7	3.7	<.5	52	.98	.052	6	39	.34	442	.002	2	.63	.004	.08	1	<1	9.7	<1	.17	1	.02	-
TR-4-316	34.5	1692	14	141	1.5	77	35	518	4.58	385	3	<2	2	64	.3	5.4	<.5	92	.73	.093	11	64	.21	132	.005	3	.94	.004	.08	1	1	10.2	<1	.25	2	.03	14.5
TR-4-317	3.6	2709	7	108	1.8	39	33	301	1.89	493	1	<2	2	41	.4	3.2	<.5	39	.31	.054	6	32	.11	201	.001	1	.72	.006	.06	2	1	5.5	1	.35	1	.07	13.0
TR-4-318	4.4	681	22	62	.7	47	16	297	2.06	331	2	<2	2	39	.2	3.1	<.5	42	.30	.056	9	30	.13	241	.001	3	.78	.003	.10	<1	1	4.6	1	.37	1	.02	13.5
TR-7-319	1.3	705	8	54	.5	41	32	117	2.88	43	1	<2	1	17	.2	2.0	<.5	32	.20	.039	6	16	.21	157	.008	1	1.15	.050	.28	1	<1	5.7	1	.87	2	<.01	3.5
TR-7-320	5.1	1021	15	164	2.3	37	28	329	2.56	160	1	<2	1	16	1.2	1.8	<.5	34	.20	.039	10	15	.20	134	.003	3	1.05	.034	.31	<1	<1	3.9	<1	.41	2	.03	12.0
TR-7-321	5.4	1050	19	410	1.4	48	18	435	4.12	163	2	<2	3	42	2.2	<.5	<.5	110	1.04	.139	10	87	1.93	248	.082	3	2.03	.071	.48	1	<1	7.7	<1	.66	9	.02	13.0
TR-7-322	6.7	2211	24	317	7.3	41	23	463	4.66	182	2	<2	4	45	1.4	.5	<.5	85	.97	.138	9	51	1.22	149	.051	4	1.29	.050	.40	<1	<1	6.7	<1	1.09	5	.03	12.5
TR-7-323	2.4	501	9	85	.5	65	20	215	3.76	41	1	<2	1	33	.4	<.5	<.5	56	.42	.055	7	26	.52	113	.013	2	1.19	.066	.30	1	<1	6.1	1	1.28	3	<.01	7.0
TR-7-324	1.4	1316	22	114	2.8	60	89	417	5.30	246	1	<2	1	22	.5	<.5	<.5	78	.28	.095	7	38	.51	190	.050	5	1.88	.056	.40	1	<1	7.9	1	.95	6	.01	5.0
TR-6-325	28.6	1455	36	267	4.0	62	14	542	4.79	84	1	<2	4	28	1.0	<.5	1.3	87	.61	.116	22	67	1.37	310	.070	6	1.78	.056	.39	2	<1	6.6	<1	.58	8	.05	8.0
TR-6-326	12.1	1524	11	135	3.5	46	19	328	5.65	58	2	<2	4	27	.3	<.5	1.1	109	.32	.129	18	80	1.59	159	.172	1	1.98	.075	.89	<1	<1	8.3	2	1.08	9	.05	11.0
TR-6-337	8.6	997	6	91	.9	43	27	256	4.99	73	4	<2	3	30	.2	.6	.6	113	.41	.119	20	79	1.73	160	.206	3	1.96	.076	1.21	1	<1	9.3	<1	1.24	10	.02	6.0
TR-6-338	20.4	1066	7	284	1.8	70	88	575	4.98	731	3	<2	4	50	.9	<.5	<.5	121	1.12	.134	11	84	1.98	206	.089	5	2.02	.069	.42	<1	<1	9.0	<1	.59	9	.03	12.0
TR-6-339	4.9	696	6	83	.7	37	18	217	3.40	59	1	<2	2	23	.3	.5	<.5	65	.37	.060	9	51	.78	201	.054	<1	1.40	.059	.52	1	<1	6.9	<1	.78	4	<.01	6.0
TR-6-340	4.0	1504	13	150	3.1	42	21	288	3.85	81	2	<2	3	20	.7	.6	<.5	84	.37	.104	7	55	1.25	211	.117	<1	1.42	.054	.65	<1	<1	6.5	2	.76	6	.02	7.0
TR-6-341	5.6	1631	7	160	3.0	47	22	368	4.58	142	2	<2	4	32	.8	.5	.6	101	.60	.143	16	68	1.42	263	.186	1	1.62	.081	.93	1	<1	8.8	1	.71	7	.07	7.5
TR-6-342	4.4	604	4	58	.4	42	13	215	4.21	5	3	<2	4	35	<.2	<.5	<.5	130	.48	.143	10	92	2.11	300	.281	1	2.06	.105	1.49	<1	<1	10.9	2	.87	11	<.01	4.0
STANDARD C3/AU-1	27.7	67	34	167	5.5	38	13	819	3.44	59	24	2	22	30	23.5	17.4	23.9	83	.61	.097	21	182	.63	163	.092	23	1.87	.041	.17	15	1	4.6	1	.03	7	3.51	-
STANDARD G-2	1.5	5	3	45	<.1	7	4	557	2.05	<1	3	<2	5	78	<.2	<.5	<.5	42	.68	.105	10	82	.63	247	.139	3	1.01	.106	.53	2	<1	2.7	<1	<.01	4	-	-

TR 1

TR 4

TR 7

0113

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 2 2000 DATE REPORT MAILED: Oct 14/00 SIGNED BY. ....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

Trench # TR-8
Orientation/length W

Location

DATE ?

		Visual					Descriptive																Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
0	10	+ + + ? + ? +	NOT MEASURABLE			q-Py UN'HD	BFP	Phy	lt.gy	9	2-3	N	3	N	Tr	-	-	2	-	0		-Trench 3-5m deep, water saturated sampled material fr. bank	TR-8-134		
							BFP	K	dk.gy	9	1-2	N	8	W-M	1.5	-	-	1	Tr	3		- Heavy Fe ox., ?fract'd			
							BFP	Phy	lt.gy	9	2-3	N	3	N	Tr	-	-	2	-	0					
10	20	+ + + + +	NOT MEASURABLE			q-Py	BFP	K & Phy	lt.-dk. gy	9	1	N	4-6	W	<1	-	-	1-2	-	0-3		-Most of sec'n water saturated - In & out of K & Phy alt'd BFP w/ ↑ su content -Cp on fract's	TR-8-135		
20	30	+ + + + +		090 274 245 225 270 170 99 346	90 64 75 75 70 70 69 75	+ prominent + w/ gouge	BFP	K + Phy	lt.gy black md-dk gy	8-9	1	N	3-5	W	1 <1	-	Tr	1.5	-	0-2		-↑ Su's	TR-8 136		
30	40	+ + + + + + + +		140 84 195 190 45 95 300	70 63 85 85 85 85 80		BFP	K wk Phyl	mdm gy	8-9	1	-	<5	- W	0.7-.1	-	< tr	1.5-.1	3½ 4	3-5		Quite weathered rock but able to obtain fresh sample TX port. ok 17. 10C.	TR-8 137		
40	54	+ + + + + +		210 295 225 295 76 194 230	90 74 85 50 54 74 82		BFP	K	lt-mdm gy	7-8	1	-	<5	W	~1	-	Tr	1.5	3	4-5		Break in trenching to 58.5m	TR-8 138		

Trench # 2000- TR 8   Location S zone

Orientation/length E - W

From m	To m	ROCK	FRACT strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
		Visual				**Descriptive**																**Assays**		
58.5	70	+ + K- wk phy + loc chl.	240 90 → 265 90 → 150 48 → 180 81 → 245 82 → 230 82 → 220 80 →			BFP	K, wk-mod phy	mdm g'y	7	1	W	<5	wk loc.	<.5	–	tr.	1.5-2	<1	3-4		Py >> cp. f d ? small blebs. Nicely fract'd - easy to obtain good sample. Mal @ 64 m. Hbld laths loc.	TR-8 139		
70	85	+ +	34 150 36 090 130 215 282	82 60 90 87 70 90 80		BFP	K	mdm g'y	5-8	1	W-N	<5	wk	.7-1	–	tr.	1.5	2-3	3-4		" " " Chl alt'n slightly more pervasive. ~ 85 marked as DH but can't see it, break till 95 m. Last 2-3 m slumped.	TR8-140		
95	106	+ +	310 230 80 286 330 68 014	90 60 75 68 45 70, 90	} E face of trench.	BFP	K	mdm g'y	6-8	1-1.2	W-S	<5	wk	~1 or <1	–	tr	1-1.5	3	4-5		106 - 150 deep o/b. Not trenched.	TR8-141		
150	155	– – ? + +	216 300 326 244	70 80 84 90		zst BFP	sil K	mdm g'y dk-mdm g'y	7-9 8	0.5 0.5-0.2	M M	5 <5	– –	1-1.3 1.5	– loc v.	tr low tr.	<1 <5	1-2 2	– 2-3		zst 150 - 152 BFP 152 - 155 Cp on fract, rarely in gobs. Tr. bor. V. hard - few fractures	TR8 142		
155	160 159 m	+ + shore contact ~ 80° –	326 300 few fracts	70 90	X gtz SW	BPP ZST	K K	mdm g'y "	8-9 8	0.5 <.5	W –	5-10 g.M cp	–	1.5 + on fract	– –	low low	.5 <.5	1 <1	1 –		Abundant secondary bio. Txt partially oblit. hbld → bio. V. well min'd. Hornfelsed, glassy txt.	TR8 143		

Less than 1 m of o/b

Trench # TR-8
Orientation/length E-W

Location

		Visual					Descriptive															Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %	Description	Sample No.	Cu %	Au g/t
160	170	– – – – – – – + +		116 220	72 55		2ST BFP	K K	dk-mdm gy mdm gy	8-9 8	.5-1 1-2	W-m —	5- <5	— —	1 <1	— —	tr —	1 <1	<1 1-2	— 2	Silliceous hornfelsed. Very hard rock. Cp+py on fractures. wkly diss. Some sandy areas w/ v. weath BFP	TR8-144		
170	180	+ + + + + +		210 186 176 200	sv sv 72 v	numerous	BFP	K	mdm gy	7	≤.5	M	<5	—	<1	—	low	≤.5	<1	2	Much more fract'd Than previously. Lots of f.g. bio Some areas w/ salt & pepper txt.	TR8-145		
180	190	+ + + + + + +		010 314	70 80	numerous.	BFP	K	mdm gy	7-8	0.5	S-M	5	—	~1	—	low mal	.5	3-4	3	Still fract'd Lose s+p txt back to typical K BFP. ep+py on fracts. Minor hem	TR8-146		
190	200	+ + + + + + + +		343	60		BFP	K	mdm gy	7-8	.5	S-M	5	—	<1	—	tr	0.5-1	2-3	3	Txt prt'l obl'td s+p txt locally still abund. 2nary bio.	TR8-147		
200	206	+ + + + + + +		70 326 258 56 70 190	90 55 46 78 85 70		BFP	K	mdm-dk gy	8	.5-1.5	S	<5	—	.5?	—	low con fr'acts	.5	1-2	3-4	A few ox'd soft orange BFP veins Abund. 2nd bio (20%?) @ 206m 205 casing from Nuanda ripped out.	TR8-148		

Trench joins road @ 210m

[illegible]
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A002217 Page 1

10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: Gordon Weary

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** gm/mt
TR-8-134	55.3	2406	13	95	1.0	62	19	354	5.23	65	5	<2	14	17	.3	.9	<.5	109	.39	.159	29	78	.20	58	.014	3	1.00	.012	.11	<1	<1	12.5	<1	.36	2	.08
TR-8-135	45.8	4299	145	556	4.7	75	20	288	5.10	141	4	<2	8	44	2.7	6.7	.7	99	1.30	.137	11	78	1.11	30	.106	6	1.28	.046	.45	1	<1	9.0	<1	1.64	4	.20
TR-8-136	31.3	2606	42	215	1.7	56	30	306	4.27	48	1	<2	7	39	.6	.5	.5	95	.56	.105	9	58	1.05	57	.135	8	1.13	.049	.70	1	<1	8.5	<1	1.26	3	.08
TR-8-137	43.6	3895	5	63	.8	51	21	169	3.57	2	<1	<2	11	40	.3	<.5	.5	121	.64	.127	23	76	1.83	124	.195	7	1.69	.074	.87	1	<1	9.6	2	.81	7	.10
TR-8-138	30.0	2147	5	54	.8	45	16	182	3.71	1	<1	<2	8	37	<.2	.7	<.5	125	.67	.136	16	87	2.05	260	.257	4	1.83	.103	.87	2	<1	8.0	1	.57	7	.06
TR-8-139	22.1	2468	7	54	.8	47	10	165	2.89	1	<1	<2	8	28	<.2	<.5	<.5	127	.37	.121	8	96	2.09	395	.296	5	1.84	.091	1.02	1	<1	8.7	2	.25	8	.10
TR-8-140	38.0	2230	7	99	.7	51	18	312	3.65	4	<1	<2	8	46	.4	<.5	<.5	115	.88	.131	11	75	1.73	114	.218	6	1.54	.085	.77	2	<1	8.4	<1	.76	6	.05
TR-8-141	89.5	1891	5	65	.6	53	11	168	2.92	1	<1	<2	9	36	<.2	<.5	<.5	109	.49	.147	10	96	1.74	431	.269	2	1.47	.099	.82	1	<1	6.2	2	.17	7	.09
TR-8-142	10.8	3664	5	55	.7	68	10	182	3.17	1	<1	<2	9	264	<.2	.6	<.5	123	.40	.078	12	94	1.39	412	.261	4	1.40	.104	.88	2	<1	10.8	2	.25	5	.17
TR-8-143	3.6	4979	3	63	.9	64	10	197	3.26	<1	<1	<2	11	60	<.2	<.5	1.1	108	.68	.096	14	51	1.54	414	.291	3	1.39	.104	1.00	2	<1	10.2	1	.38	5	.25
TR-8-144	28.5	2322	3	52	1.0	58	7	311	2.74	2	<1	<2	10	28	<.2	<.5	<.5	106	.43	.034	13	108	.86	349	.142	5	.98	.076	.53	1	<1	11.8	<1	.35	5	.09
TR-8-145	2.1	417	4	55	.3	37	10	234	3.39	2	<1	<2	11	28	<.2	<.5	<.5	103	.45	.126	12	74	1.52	317	.206	3	1.30	.071	.60	1	<1	4.5	2	.03	6	.03
TR-8-146	2.3	1458	3	60	.5	41	11	241	3.90	1	<1	<2	9	36	<.2	<.5	.6	109	.45	.123	14	79	1.66	441	.235	3	1.42	.084	.77	2	<1	5.8	2	.08	6	.07
TR-8-147	2.0	2165	3	72	1.2	41	11	284	4.24	3	<1	<2	9	51	<.2	<.5	<.5	114	.69	.129	14	83	1.58	530	.216	4	1.34	.071	.68	1	<1	6.0	1	.30	6	.12
TR-8-148	1.6	1547	3	60	.5	38	11	295	3.40	2	<1	<2	11	36	<.2	<.5	<.5	107	.46	.132	18	74	1.25	450	.230	4	1.28	.081	.71	2	<1	6.1	1	.07	5	.07
RE TR-8-148	1.6	1548	3	61	.6	38	11	300	3.53	4	<1	<2	12	37	<.2	<.5	<.5	109	.47	.130	18	74	1.27	445	.233	3	1.30	.082	.72	2	<1	6.2	1	.06	4	.07
TR-10-149	29.3	1349	89	550	2.6	61	8	179	3.04	64	<1	<2	5	17	1.9	2.3	.8	27	.06	.044	6	35	.09	211	.003	1	.58	.019	.23	2	<1	3.5	<1	.74	<1	.10
TR-10-150	402.6	1382	11	98	.9	41	19	217	3.22	18	<1	<2	5	66	.4	1.9	<.5	60	.24	.091	5	43	.40	74	.032	6	.96	.031	.33	2	<1	6.3	1	.79	2	.05
TR-10-151	3.9	465	4	48	.3	30	10	159	3.64	1	<1	<2	10	19	<.2	<.5	<.5	78	.26	.115	13	61	1.63	338	.038	1	1.86	.045	.22	1	<1	4.7	<1	.41	8	.03
TR-10-152	20.0	1884	7	65	1.9	72	21	217	3.78	10	<1	<2	11	23	.2	<.5	.5	121	.37	.102	15	94	1.97	302	.090	4	2.22	.067	.52	2	<1	8.8	1	.48	8	.07
TR-10-153	68.7	3471	8	83	1.8	76	18	193	3.14	5	<1	<2	9	20	.3	<.5	<.5	115	.21	.080	10	105	1.74	327	.115	4	1.97	.071	.66	1	<1	9.1	1	.48	7	.11
TR-10-154	71.2	3005	18	188	1.2	109	20	222	2.60	18	<1	<2	7	32	1.3	.9	1.1	62	.39	.041	13	72	.72	258	.048	5	1.25	.058	.55	1	<1	6.7	1	.67	4	.06
TR-10-155	73.5	2497	15	161	1.1	100	23	460	2.73	92	<1	<2	7	27	.7	2.6	.8	48	.48	.029	12	58	.30	233	.004	3	.80	.019	.26	<1	1	6.1	<1	.63	1	.04
TR-10-156	155.7	2511	9	159	1.3	78	17	303	3.38	13	<1	<2	10	55	.6	.8	<.5	92	.94	.085	16	85	.93	211	.063	4	1.10	.073	.45	1	<1	9.6	<1	.73	4	.06
TR-10-157	166.0	4476	14	196	3.1	100	9	269	2.33	5	<1	<2	7	35	.7	1.1	1.1	57	.50	.012	9	66	.46	211	.004	2	.55	.049	.20	1	<1	7.6	<1	.44	2	.10
TR-10-158	87.8	2887	12	150	2.4	86	13	378	3.09	16	<1	<2	10	30	.6	<.5	.9	85	.34	.068	14	81	.72	336	.056	4	1.24	.045	.42	1	<1	9.6	<1	.36	4	.07
RD-4-159	3.2	3608	3	478	3.0	72	10	603	4.66	5	3	<2	8	80	1.6	1.1	1.2	98	1.47	.110	19	103	1.59	241	.104	4	1.44	.045	.50	1	<1	9.9	<1	.45	5	.13
RD-4-160	2.2	1796	2	142	3.3	49	11	595	4.55	6	2	<2	9	39	<.2	<.5	<.5	94	.79	.115	14	80	1.61	505	.117	3	1.73	.053	.45	2	<1	7.8	1	.31	7	.05
RD-4-161	2.5	757	9	171	.5	63	14	796	3.89	44	2	<2	5	46	.5	2.3	<.5	85	.57	.041	6	60	.19	120	.003	1	.64	.004	.03	1	2	10.4	3	.29	<1	<.01
RD-4-162	7.5	4212	8	52	1.3	59	8	190	2.06	45	<1	<2	5	35	<.2	1.3	1.1	47	.59	.026	7	78	.18	264	.004	<1	.64	.009	.09	2	<1	7.6	<1	.36	2	.13
RD-4-163	6.5	6923	5	84	2.1	63	11	313	2.80	14	<1	<2	7	50	<.2	1.3	1.5	68	.91	.088	9	95	.83	158	.090	1	.92	.034	.47	2	<1	7.6	<1	.59	3	.23
RD-4-164	3.0	3398	4	94	.9	57	10	207	2.89	1	<1	<2	9	39	<.2	<.5	<.5	107	.36	.124	15	91	1.61	319	.179	1	1.69	.077	.69	2	<1	7.8	1	.13	7	.25
RD-4-165	6.9	3359	4	61	.8	57	8	245	2.37	7	<1	<2	7	58	.2	.8	.9	79	.75	.057	9	107	.79	527	.107	1	.89	.043	.44	2	<1	8.7	1	.26	3	.11
RD-4-166	9.0	1670	7	68	.7	39	11	448	3.01	5	1	<2	11	32	.4	.7	<.5	67	.19	.082	19	49	.50	535	.072	3	1.10	.039	.38	1	<1	6.7	<1	.07	3	.03
STANDARD C3/AU-1	28.3	68	38	170	5.7	36	10	797	3.40	60	26	<2	26	29	23.8	16.3	23.0	82	.54	.096	18	172	.62	165	.090	22	1.94	.039	.18	14	1	4.5	2	.02	7	3.50
STANDARD G-2	1.7	3	3	45	<.1	7	2	553	2.08	<1	2	<2	7	73	<.2	<.5	<.5	44	.65	.097	8	71	.62	226	.134	5	1.00	.076	.50	2	<1	2.6	3	<.01	4	-

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 10 2000 **DATE REPORT MAILED:** July 19/00 **SIGNED BY**.............D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

ACME ANALYTICAL LABORATORIES LTD. [illegible] E. HASTINGS ST. VANCOUVER BC [illegible] PHONE(6[illegible]253-[illegible] FAX(604)[illegible]171
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A002217R

10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: Gordon Weary

SAMPLE#	Cu %
TR-8-143	.475
~~RD-4-163~~	~~.692~~
RD-4-170	.470
RE RD-4-170	.471

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
- SAMPLE TYPE: ROCK PULP <u>Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.</u>

DATE RECEIVED: JUL 20 2000 DATE REPORT MAILED: July 24/00 SIGNED BY: .... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** gm/mt	Sample lb
TR-8-343	1.8	615	22	133	.7	41	21	235	3.18	169	1	<2	2	22	.2	1.1	<.5	56	.14	.033	11	24	.29	223	.012	4	1.16	.049	.29	1	<1	6.1	1	.24	3	<.01	15.0
TR-8-344	5.3	720	10	121	.7	36	14	349	3.76	88	1	<2	3	58	<.2	<.5	<.5	69	.99	.073	10	27	.74	208	.015	6	1.58	.078	.26	<1	<1	8.1	<1	.47	6	<.01	11.0
TR-8-345	2.6	1557	46	366	2.7	27	149	372	2.40	920	2	<2	2	59	1.5	1.8	1.1	35	.77	.078	8	10	.40	217	.002	5	1.21	.092	.34	1	<1	3.5	<1	.46	3	.05	8.0
TR-8-346	1.8	362	18	109	.3	32	16	352	4.58	60	1	<2	2	54	<.2	<.5	<.5	107	.64	.109	10	47	1.27	247	.045	3	2.27	.125	.36	<1	<1	8.8	<1	.39	8	<.01	12.0
TR-8-347	3.7	1463	20	271	2.2	45	37	419	5.67	329	2	<2	3	19	.9	3.5	.8	76	.46	.130	11	37	.14	121	.002	2	.79	<.001	.07	1	1	8.5	1	1.22	2	.01	7.0
TR-8-348	1.9	271	9	118	.2	23	10	255	2.75	88	1	<2	2	20	.5	1.2	<.5	69	.40	.078	11	26	.44	270	.014	5	1.22	.011	.25	<1	<1	8.9	<1	.26	4	.02	13.0
TR-8-349	1.3	339	20	119	.3	25	15	367	4.12	69	1	<2	2	55	<.2	.8	.5	66	.63	.089	15	41	.91	194	.032	6	1.65	.104	.45	<1	<1	6.0	1	.75	5	.01	15.0
GRD-350	21.0	1364	16	77	.9	62	28	403	4.35	68	1	<2	2	49	<.2	1.8	<.5	67	.98	.136	10	44	.23	226	.004	5	1.04	.002	.15	1	2	9.5	<1	.46	2	.05	14.5
GRD-351	8.6	565	4	33	.3	39	19	257	3.59	17	1	<2	2	24	<.2	2.0	<.5	50	.10	.025	10	20	.11	207	.003	4	.90	.017	.16	<1	<1	6.5	1	.41	2	.02	18.0
ST-1-352	137.4	3056	8	103	1.1	88	40	380	4.99	144	2	<2	4	31	.2	.6	<.5	99	1.08	.126	19	59	.29	170	.002	4	.91	.012	.10	<1	<1	13.2	1	.54	2	.09	5.0
ST-2-353	68.2	1750	7	74	.6	100	72	298	7.55	43	2	<2	6	42	<.2	<.5	<.5	104	1.09	.159	20	69	.30	112	.004	2	.85	<.001	.03	1	1	13.7	3	1.26	3	.01	5.0
ST-3-354	18.3	2054	7	90	1.5	71	28	260	4.08	65	1	<2	3	77	<.2	<.5	.5	74	.77	.089	14	53	.88	160	.069	4	2.01	.174	.54	<1	<1	8.4	<1	1.08	5	.06	5.5
ST-4-355	5.0	823	7	67	.3	54	29	229	5.62	24	2	<2	6	70	<.2	<.5	<.5	138	.91	.154	18	92	2.22	194	.303	3	2.40	.155	1.50	2	<1	10.5	1	1.14	9	.01	1.5
RE ST-4-355	4.6	804	8	67	.3	53	30	222	5.48	27	2	<2	6	68	<.2	<.5	<.5	135	.89	.156	18	93	2.16	192	.295	2	2.33	.152	1.47	2	<1	10.2	1	1.15	9	<.01	-
GRD-TR-1-356	13.8	607	6	50	.2	40	18	178	2.71	45	2	<2	4	66	<.2	<.5	<.5	73	1.17	.078	16	59	1.29	319	.148	6	1.71	.079	.92	<1	<1	7.0	1	.36	6	.02	7.0
GRD-TR-3-357	1.3	331	3	29	.1	34	17	374	5.03	5	1	<2	2	20	<.2	<.5	<.5	104	.14	.040	13	35	.52	167	.054	3	1.95	.045	.21	1	<1	7.9	1	.43	5	<.01	3.0
GRD-TR-2-358	40.0	3196	6	64	1.0	66	32	283	3.72	14	1	<2	2	15	<.2	.5	<.5	54	.09	.020	10	21	.18	188	.033	3	1.04	.035	.26	1	<1	7.1	<1	.91	2	.08	7.0
GRD-TR-1-359	4.8	308	3	29	.1	22	12	374	2.74	13	1	<2	2	38	<.2	<.5	<.5	29	.39	.054	13	27	.47	223	.022	5	1.29	.093	.42	1	<1	2.5	<1	.21	3	<.01	6.5
STANDARD C3/AU-1	26.6	68	34	167	5.3	36	12	791	3.35	56	23	2	22	28	21.9	15.8	22.6	80	.59	.092	21	176	.61	157	.092	22	1.84	.036	.16	15	1	4.5	1	.03	6	3.69	-
STANDARD G-2	1.5	3	3	44	<.1	7	4	559	2.06	<1	3	<2	4	72	<.2	<.5	<.5	42	.67	.100	11	79	.63	233	.145	3	.97	.078	.48	2	<1	2.7	1	<.01	4	<.01	-

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

Data___ FA ___

ACM_ _HALY_ _ AL I _ _RAT(S L( ) E. TIN ST. COU BC 1R F B(6(53-(EM)4)4)/16
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A002217R

10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: Gordon Weary

SAMPLE#	Cu %
TR-8-143	.475
RD-4-163	.692
RD-4-170	.470
RE RD-4-170	.471

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
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DATE RECEIVED: JUL 20 2000 DATE REPORT MAILED: July 24/00 SIGNED BY.......... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

 Data ___ FA ___

Trench # TR-9 MAY 15, 2000 Logged by: GW., EO. Location -12 m W of DH-8, S. Zone

Orientation/length E-W (3288N, 3820E - 3272N - 3610E)

		Visual 270° 90 180					Descriptive		↓ core logging scale													Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
0 2 4 6 8 10		baked zst.	/ / | /	262 253 356 240 290 330 40 210	90 90 90 90 50 10 75 90		zst	baked (hfsd?)	Pale gy to buff	5-6	2-3 (only on surfaces)	—	<5	— W	—	—	—	2-3	—	—		v.f gr. Very rubbley & fract'd quite good exposure but broken up Py on fract & vnlets. (& loc. fd) Some sw fractures but mainly lg. fract — vert. Hard to break.	TR-9 102 chip sample	.02	0.02
10 20				190 80	90 45	/ py	zst	baked	pale gy to buff	6-7		—	<5	W	—	—	—	3 3 to 4	—	—		slightly harder & w/ gobs & vns of py. almost cont. chip sample. No su. (exc. py).	TR-9 102 (cont'd)	.02	0.02
22 24 27 30		?+ BFP minor zst BFP		30	90		BFP	K wk sil. phyl.	dk. gy lt gy lt. gy	7 7.5	2 (surf.) 2	W —	<5	W N	—	—	—	3-4 4	<1 <1	2 + —		BFP @ ~22.0m Looks v. sim. to top of MO-6. Py up to 5% blebs & fract. smears mainly BFP but some zst (could be cherty). @27m. q-ser. alt'n —	TR-9 103	.05	0.01
38 40		BFP					BFP	strong phyl. chl. phyl.	bld to buff grading bld to buff	3	2	—	5		—	—	—	4+	2-3	—		w/ coarsely d. py & vnlets. Poor exp. 21-26 (puddles) @ ~26. v- strongly clay-ser. alt'd. — still competent but soft. Py vns. Loc. hem? py vns + chl. alt'd to ~43.0	TR-9 103 cont'd	.05	0.01
43 50		zst.					zst	baked (hnfd?)	pale gry.	6	2	—	<5	N N-W	—	—	—	2	—	—		@43.0 - baked zst w/ sl. inc. in q. vn'ing Coarse py in vnlets Inc. in sw fractures & vn'ing	TR-9 104	<.01	<.01

Trench # TR-9
Orientation/length E—W

Location Puddle to o/c to 79 m

79

		Visual					Descriptive																Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
		Puddle		288 0	65N 85W		Zst	baked	Lt. gy	7	2 - surf. only	N	<5	–	–	–	–	3-4	tr.	–		- Sim. to prev. Zst. Heavily fract'd.	TR-9 105	.24	.16
							BFP	Phy	md. gy	7-8	2	N	<3?	1	<.3	–	tr.	4	tr.	1-2		- @85m occ. dpec's of Cp w/i BFP			
90				250 315	85N 80N																	- occ. lg. flesh bio books			
92		- intense fract/ weath throughout		110 80 100	65S 90 90		ZST	bak	lt - med gy (buff lt. gy)	7-8	1	N	5	–	–	–	–	3	–	–		- Sim to prev ZST - blebs of Py & Py vn'lts	TR-9 106	.05	.02
100				80 304 204	65 70 34																		TR-9 107	.02	.08
103		grad contact?					SS	bak (meta-ss)	lt. gy (wh)	8-9	1	N	<1	–	–	–	–	1	–	–		- v.f.g. s.s., text oblit. - bleached wh., silic. - occ. th. Py vn's - v.f. diss. Py			
110				250	60																				
				245	80																		TR-9	.01	.2
114							QBFP	Phy	v. lt. gy	9-10	1	N	<.5	–	–	–	–	<.5	–	3		- 60% q, text part oblit. (Post mineral QBFP dyke?)	108		
116							ZST	bak	lt. gy	7	1	N	–	–	–	–	–	2	–	–		- Sim to prev. ZST - Py vn'lts & fract'c			
120				200	60																				
				310 70 250	68 54 82		ZST	(AS ABOVE)															TR-9 109	.03	o.d
				200	85																				
130				280 250 240	70 90 90																				

Trench # TR-9

Orientation/length E-W

Location

From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/ Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
130 132 140		+ + + + + + + +	— —	276	80		BFP As above	Phy (K)	lt.- dk.gy	7-8	1	N- tr. As above	2-3	–	– <.5	–	– As above	3-4	–	4-5		* Contact w/ Hornblende Porphyry, Trace Cp	TR-9 110	.12	0.02
165		PUDDLE – NO OUTCROP + + fe ox weath								7															
175		+ + + + + + + + txt obl. loc	✕	105 110 120 190	90 90 90 85		BFP BFP	K K w/chl	dk gy g-nish gy	9	1 1	N	3-4 2	1-2 M-S	1 1+	– –	– 162. mal. blebs	3 3-4	– tr.	4-5 1		- Kalt'd BFP w/ ↑ Py Grade incr @ 162. Minor f.d. cp Blebs & f.d. py also micro vnlets.	TR-9 111	.32	.12
185		+ + + + + + + +		190 278 340 106 080 196 210	90 74 72 90 35 80 88	cb cp	BFP BFP	K K/cl K	dk gy v. dk gy	7-8	1-2 1	M-S wk	2 2-3	wk m-s 2-3%	.3 .4	– 0	 –	2-3 4	0 .5	3 0.2		strong mal stain @ 166 m @167 wk chl, 168 mod. st. Txt is dk+ loc. obl w/ 2° bio. py smears on fract. eu. py & blebs Hem + cl. alt'n @ 172.	tr-9 112	.24	.13
195		+ + + + + + +		220 108 90 000 016	90 82 90 90 90		BFP BFP	K prop.	″ Lt/d wh.	8 3-4	1 2	 –	2-3	wk 0	.7 .3 tr	0 –	rare –	4	.5	2 0		Grade inc @ 175 m but is not consistent. txt. obl + -ab. py. Hem specks. Txt less obl't & less 2° bio @ 190m. @ 194 clay gouge 194 – prop. phyl. & ser. alt'n	tr. 9 113	.11	0.02

Trench # 1N79 (?)

Orientation/length E→W

Location S. Zone ... 'D'

-Trench ends near DH9

From m	To m	Visual: ROCK	FRACT	strike	dip	VEINS	Descriptive: Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Assays: Sample No.	Cu %	Au g/t
195		+ + + +					BFP	phyl-(pop)	gy-buff	4	1-2	–	1-2	–	?	0	0	2-3	1	–		cont of q-ser · BFP w/ py in vnlets.	tr. 9 114	.14	0.1
200		+ + + + + minor zst lolk (vn?)						K	dk gy		2+		0	wk-mod	.2	0	0	3		2		Heavily ox. · smpl upper mat (thrown out). same as prev. BFP. Py on fract. @ 206 minor q-ser alt'n vnl. EOHole @ 208 m. – Big puddle.			
208							E.O.T.																		

Trench # 9. cont'd (from upper N-S road [illegible] 1-5) Location cont'n of access road trench

Orientation/length E-W Begins 262 m W of DH-8, S. Zone

From m	To m	Visual: ROCK	FRACT	strike	dip	VEINS	Descriptive: Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Assays: Sample No.	Cu %	Au g/t
250	260	+ + + + +		Not Poss. to MEASURE (Too WET)			BFP	Phy	lt. gy	8-9	4	N	5?	N-W	0	0	Tr.	3	Tr.	<1		~265. PmP(ch)) sec'n - te ox, poorly competent (Note: bottom of Trench wet, mapped rubble) - Tr. Py fract'o	TR-9-115	0.08	0.04
260	270	+ + + + + + + K, Phy		290 310 220 270 230	90 75 90 70 85		BFP	K	dk. gy	7-8	2-3	N	5-8	W	<1	Tr?	Tr	2	0	3-4		- Slight inc. in Cp as diss. blebs @269- 40cm thc. xeno? prop alt'n BFP.	TR-9 116	.25	.09
270	280	- + - + - + + + + +		270 270 340 120 160 100	80 80 60 70 20 80		BFP + ZST ZFP	prop tch. sil. baked sil K	bld tan. salt n pepper	4-8 7-8 8	3-4 2-3 1-2	— —	?5 <5 <5	N-W —	<1 1	— —	tr-low low	2-3 2	—	1		- less fract'd py+hem on fract's. siltston lncs wk sw vning? lies on N.wall of trench. 270-274 274-280 txt well pres. fcp.	TR-9 117	.28	.23
280	290	+ + + + + + + +		200 230 300 45 286 230 205 80	85 82 90 90 90 75 40 85	conjugation	BFP.	K	dk gr to mdm gry.	7-9	1-2	—	<5	—	<1 1-1.5		low low-mod	2-3 1-2	tr.	4		Txt v. well preserved 5% hbl. lathes (or bio) 3-4% py- on fractures, gobs + masses Ab. f.g. bio. @286-288 ↑ in mal wk ser @288 ↑ cp. dk K up to 1.5%.	TR.9 118.	.61	.17
290	300	+ + + + + + + + K	conj	255 305 280 295 80 90 290 320	80 82 90 45s 75s 70N 85 85		BFP	K	dk gy - mdn gy	7	1-2	W	<5	—	1.5	—	tr.	2	tr.	3-4		Py in masses cp f.d Numerous prominent fracts A few H mdm gy sec'ns	TR9 119	.46	.13

Ti # 4 Page

Orientation/length E-W

		Visual					Descriptive																Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
300	310	+ ++ ++ + + + +		292 310 305 185 285 100 120 125 285	89 90 86 55 90 52 60 85 60	qtz ep ±d; 105 85	BFP	K. wo. Mild prop-phyl.	DKgy	6-7	1-1.5	–	5-7	N M (loc)	1.	–	tr.	2-2.5		3		Txt mod to well preserved. py ? cp - v.f.d. Becomes Comp. rock. only ls. blocky frags	TR-9-120.	.33	.08
310	320	++ + + + + ++ ++	\	45 0-100 170 090 290 220 220 274 280	40 90 74 85 68 72 76 82 80	mal, FeOx. 1cm thick mal vn. 340/70 qvn 140 50. 130 85 240 64	BFP	K	dK gy	8-	1	–	5	N-wk (loc)	1-1.5	-	low	1-1.2	2-3	2		Txt well preserved - very comp. & blocky cp ≃ py. @ 317- qtz-phyl vn. Th (10-20cm?) qvn w/ mo.	TR-9-R1	.36	.07
320	330	++ ++ ++ ++		234 130 230 230	76 80 80 84	> v. pervasive	BFP	K	dK gy	7-8	1	–	6-7	–	<1	-	mod	1-1.4	2-3-	2-3		Hnbld → 2 bio. Sim. to above.	TR-9 122	.40	.13
330	340	+ ++ ++ ++ ++ ++		240 130 206 240	72 62 72 14		BFP	K	dK gy	7	0.5	-	5.	–	1-0.7	-	wk	1	3	3-4		Grade inc. v.f.g. min.- Minor. bld halos.	TR-9. 123	.45	.14
340	350	++ ++ ++ ++ ++		300 100 144 294	58 87 77 45		BFP	K	dK gy	67	0.5			wk	1-1.3		low-mod	1-1.5	1-3	4		Hbld → 2 bio.	TR-9 124	.42	.13

Trench # 9
Orientation/length EW

From m	To m	Visual: ROCK	FRACT	strike	dip	VEINS	Descriptive: Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Assays: Sample No.	Cu %	Au g/t
350	360	+ +	—	170 110 310 260 215 20	68 56 90 70 80 90		BFP Zst	K brecd	mdm dk gy gy		0.5	-	5	wk N.	1.5	-	low	1	3	3-4		Sim to prev. mal mo, cp, py on fract changes to Zst. 359. Microfract d. 360	TR9 125	.37	.13
360	370	+ +		120 235 130	87 75 70		BFP	K-Feox	dk gy		1.5 2	-	5	-	<1		tr.	1	2	1-3		Back into BFP. Numerous sv fract.	TR9 126	.17	.05
370	380	+ +		250 282 300 230 30 305	75 60 70 SV SV 70		BFP	K	dk gy		1.5-	W M	<5	-	1		low mod	<1	2	2-3		BFP. Txt part. obl't partially Kaol alt & abund 2 bio.	TR9 127	.50	.13
380	390	+ +		225 230 230 305 35 220 320	85 90 90 90 55W 80U 45S		BFP	K	dk.-md. gy		1	M	5	wk	1	-	mod so-2	<1	2	4-8		- Inc. malac. on fract's	TR9-128	.56	.16
390	400	+ +		120 115 120 308 40 265 285 130	80 90 90 75 60S 60N 90 60E		BFP	K	dk.-gy		1-2	W-M	8	wk	<1	-	wk-md	<1	2	2-3 6			TR-9 129	.44	.21

Trench # 9 (Cont.) June 12, 20[illegible] Location [illegible] Page 4 of [illegible]

Orientation/length E-W

		Visual					Descriptive																Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No	Cu %	Au g/t
400	410	+ + + + + Plop.		240 275 270 105 238	50 W 65 N 70 S 60 N 78 N	340 80 W 3cm th. 8. vn	BFP	K (PROP)	dk-gy	8-9 1-2	2 4-5	W-S	>5	M-S	.8-1.2	-	M	<1	2	2-3		- inc. in Cl - Silic & 2nd bio - Mo noted - mahc. in mush sec'n NO Cp!	TR-9 130	.47	.20
410	420	+ mushy sec'n + mush. Plop. + +		230 125	85 80 S		BFP	K	dk.gy	8	1-5		~5	M	1-1.3	-	W	<1	2	3		- inc. in Cp - text. part. oblit	TR-9 131	.40	.18
420	430	+ TILL + + + + +		65 140 250 265	90 90 45 S 90		BFP	K	dk-md. gy	8-9	1-2	N	8	M	<1	-	Tr	<1	2	1-3		- 8 ft drop in trench (v. comp. hard rock to mush) - f.g. text. (oblit) - Silic - Hem. Un'lte	TR-9 132	.33	.14
430	447	+ + + till + +		SLUMPED			BFP	K	dk. mdm gy	8	0 1	W	5	W	1-1.2		~~Tr~~	1-2	1-2	3-4		1% Epi. Txt well preserved @435. Mly lg. subcrop & till. Py vnlets. Txt becomes washed out	TR-9 133	.46	.16

ACME ANALYTI[illegible] LA[illegible]TOR[illegible] LTD. 8[illegible] E. [illegible]ING[illegible] V[illegible]UVE[illegible] 1R6 PH[illegible]604[illegible]-31[illegible] FAX[illegible]25[illegible]16

(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Pacific Booker Inc. PROJECT MOR File # A001501

10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: Gordon Weary

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm
TR-9-102	3.9	167	40	104	.7	55	11	158	2.58	51	<1	<2	3	18	.9	2.1	.8
TR-9-103	1.9	519	41	622	1.8	79	22	656	6.34	95	1	<2	4	17	4.7	9.6	.7
TR-9-104	6.2	75	32	89	.8	40	14	111	2.27	43	<1	<2	4	16	.7	1.9	.6
TR-9-105	18.5	2385	26	153	1.9	88	29	396	4.23	14	2	<2	3	36	1.0	2.0	1.7
TR-9-106	4.6	494	63	263	1.1	58	20	233	2.45	165	1	<2	2	16	1.6	2.6	<.5
TR-9-107	4.0	243	119	389	1.6	28	6	166	2.42	1951	<1	<2	3	6	2.8	8.8	.6
TR-9-108	16.7	107	86	68	1.4	12	3	34	1.90	5643	<1	<2	2	4	<.2	16.9	.9
TR-9-109	15.6	301	45	138	1.6	66	14	148	3.25	112	<1	<2	4	10	1.3	1.6	<.5
TR-9-110	16.2	1152	12	58	.8	38	16	151	3.36	24	1	<2	5	29	.3	2.1	.6
TR-9-111	6.9	3165	27	82	1.8	53	23	388	5.19	15	1	<2	5	38	.4	1.8	2.0
TR-9-112	8.8	2462	11	52	1.2	51	19	145	4.59	7	1	<2	6	23	<.2	<.5	1.5
RE TR-9-112	8.7	2462	11	48	1.1	51	18	143	4.81	6	1	<2	5	23	.3	<.5	1.6
TR-9-113	11.6	1138	10	53	.6	52	17	134	4.83	5	1	<2	6	22	.2	<.5	1.1
TR-9-114	61.6	1434	284	239	8.6	71	21	278	5.11	35	1	<2	5	48	.6	12.8	4.4
STANDARD C3/AU-1	27.9	68	36	164	5.8	35	12	790	3.24	61	24	<2	21	29	26.3	13.6	23.9
STANDARD G-2	1.5	4	3	36	<.1	7	4	514	1.95	1	2	<2	4	71	<.2	.8	<.5

SAMPLE#	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** oz/t
TR-9-102	19	.15	.068	9	20	.26	133	.004	3	.85	.031	.43	<1	<1	1.6	<1	.75	2	<.001
TR-9-103	70	.27	.112	16	47	.72	36	.034	3	1.25	.021	.45	<1	1	6.4	1	1.76	3	<.001
TR-9-104	12	.04	.020	15	11	.09	92	.004	8	.49	.013	.29	<1	<1	1.5	<1	1.34	1	<.001
TR-9-105	64	.61	.119	11	52	1.27	36	.060	8	1.42	.041	.59	1	<1	3.9	<1	1.69	5	.005
TR-9-106	37	.31	.105	14	32	.57	194	.040	8	1.09	.026	.63	<1	<1	3.0	<1	.67	4	<.001
TR-9-107	14	.04	.022	10	15	.15	186	.003	2	.69	.017	.43	1	<1	1.0	<1	.37	1	.002
TR-9-108	10	.01	.014	8	13	.05	122	.001	2	.37	.012	.26	<1	<1	.8	<1	.44	1	.006
TR-9-109	27	.04	.044	14	26	.14	89	.003	<1	.85	.021	.50	<1	<1	2.7	<1	.63	2	<.001
TR-9-110	92	.72	.102	12	35	1.32	52	.114	7	1.34	.062	.59	<1	<1	7.0	<1	1.02	6	<.001
TR-9-111	127	1.12	.128	13	66	1.84	36	.209	8	1.62	.086	.89	<1	1	10.0	<1	1.28	7	.003
TR-9-112	132	.39	.125	11	106	2.28	83	.286	6	2.00	.076	1.12	<1	1	10.6	<1	.95	9	.004
RE TR-9-112	131	.38	.123	11	106	2.25	99	.283	3	1.97	.075	1.11	<1	1	10.5	<1	.94	9	.002
TR-9-113	136	.38	.130	9	94	2.32	70	.234	2	1.98	.077	1.04	1	1	10.2	<1	1.09	9	<.001
TR-9-114	83	.48	.121	14	53	.53	29	.039	2	.99	.013	.30	<1	4	8.3	<1	1.44	3	.003
STANDARD C3/AU-1	83	.59	.089	19	169	.64	156	.093	27	1.85	.045	.19	16	1	4.5	<1	.02	8	.102
STANDARD G-2	40	.64	.096	8	75	.58	220	.131	5	.93	.083	.48	2	<1	2.5	<1	<.01	5	<.001

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAY 17 2000 **DATE REPORT MAILED:** June 2/00 **SIGNED BY** ....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

CME LYT , LA TOK LTI E. TNG V UVE 1R6 PH 604)-3 FAX)25 16
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A001907

10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: Gordon Weary

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %
2000-TR-9-115	70.2	853	92	183	1.4	50	20	261	5.10	26	1	<2	4	25	.7	2.2	.6	67	.23
2000-TR-9-116	31.5	2524	18	89	1.0	66	31	130	4.20	7	1	<2	4	29	.7	.5	<.5	116	.32
2000-TR-9-117	70.2	2805	1414	224	8.9	56	21	186	3.39	134	1	<2	4	20	.9	10.2	2.5	50	.28
2000-TR-9-118	76.9	6072	35	183	2.9	93	36	266	3.76	13	1	<2	4	27	1.1	.5	<.5	111	.66
2000-TR-9-119	74.0	4612	13	71	1.5	75	33	159	3.49	5	1	<2	4	45	.2	<.5	<.5	130	.83
2000-TR-9-120	41.0	3343	12	68	1.1	77	27	161	3.49	3	1	<2	4	45	.2	<.5	<.5	138	.70
2000-TR-9-121	259.7	3684	15	73	1.1	61	19	205	2.56	3	1	<2	4	40	<.2	<.5	<.5	110	.59
2000-TR-9-122	88.4	3982	8	58	1.2	67	19	175	3.20	2	1	<2	4	31	<.2	<.5	<.5	135	.41
2000-TR-9-123	57.0	4519	10	62	1.4	66	16	207	3.04	2	1	<2	4	27	<.2	<.5	<.5	129	.44
2000-TR-9-124 Trq	37.4	4198	8	100	1.5	74	16	231	3.08	4	1	<2	4	33	.3	<.5	<.5	114	.62
2000-TR-9-125	45.3	3734	6	66	.9	79	16	229	3.04	2	1	<2	5	32	<.2	<.5	<.5	120	.45
2000-TR-9-126	12.3	1730	8	64	.4	55	15	246	2.99	9	1	<2	5	57	<.2	<.5	<.5	99	.64
2000-TR-9-127	16.0	4997	8	79	.9	60	17	172	3.10	2	1	<2	5	29	.2	<.5	<.5	105	.40
2000-TR-9-128	13.0	5578	5	62	1.3	64	16	163	2.93	2	<1	<2	5	34	<.2	<.5	<.5	110	.35
RE 2000-TR-9-128	12.0	5391	5	62	1.2	62	16	156	2.86	2	<1	<2	5	32	<.2	<.5	<.5	107	.35
2000-TR-9-129	33.1	4435	6	56	1.3	73	11	170	2.91	2	<1	<2	4	19	<.2	<.5	<.5	101	.36
2000-TR-9-130	13.4	4698	6	119	1.7	63	16	274	3.34	12	1	<2	5	31	.2	1.2	<.5	95	.68
2000-TR-9-131	36.2	3950	25	234	5.3	67	13	382	3.26	241	1	<2	5	42	.5	4.8	.7	85	.59
2000-TR-9-132	14.2	3286	6	87	1.3	74	12	250	2.72	7	<1	<2	4	29	.2	<.5	<.5	94	.60
2000-TR-9-133	9.6	4573	8	98	1.9	62	14	300	3.03	8	<1	<2	5	39	.3	.7	.5	85	.85
STANDARD C3/AU-1	25.8	65	38	172	5.5	37	12	819	3.18	60	21	<2	20	27	23.8	15.2	24.0	77	.54
STANDARD G-2	1.5	4	5	47	<.1	8	4	564	1.93	<1	2	<2	4	61	<.2	<.5	<.5	37	.61

SAMPLE#	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** gm/mt	Sample lb
2000-TR-9-115	.155	9	51	1.33	84	.022	6	1.67	.025	.40	<1	<1	4.0	<1	1.43	6	.04	9
2000-TR-9-116	.158	10	76	1.94	90	.220	10	2.09	.053	1.05	<1	<1	7.0	1	1.46	9	.09	20
2000-TR-9-117	.076	11	32	.65	98	.048	8	.97	.023	.51	<1	3	4.0	1	1.16	3	.23	18
2000-TR-9-118	.152	25	69	1.93	87	.166	13	1.96	.047	.81	<1	<1	7.0	<1	1.57	8	.17	12
2000-TR-9-119	.148	27	78	1.90	103	.297	9	1.87	.078	1.22	<1	<1	9.0	1	1.26	8	.13	15
2000-TR-9-120	.163	21	96	2.23	125	.350	5	2.11	.094	1.40	<1	<1	8.0	1	1.13	9	.08	26
2000-TR-9-121	.133	15	77	1.73	376	.281	6	1.58	.064	1.07	<1	<1	7.0	<1	.48	7	.07	9
2000-TR-9-122	.163	9	95	2.36	297	.347	5	2.06	.063	1.25	<1	<1	8.0	<1	.67	9	.13	8
2000-TR-9-123	.145	8	96	2.36	325	.357	5	1.96	.062	1.25	<1	<1	8.0	<1	.66	9	.14	10
2000-TR-9-124 Trq	.167	9	108	2.24	334	.308	10	1.79	.066	1.07	<1	<1	6.0	<1	.66	8	.13	8
2000-TR-9-125	.148	15	119	2.03	385	.305	5	1.74	.054	1.08	<1	<1	7.0	<1	.44	8	.13	12
2000-TR-9-126	.145	15	76	1.43	597	.207	5	1.34	.036	.71	<1	<1	6.0	<1	.22	6	.05	7
2000-TR-9-127	.121	16	60	1.60	466	.291	10	1.49	.062	.87	<1	<1	6.0	<1	.35	8	.13	12
2000-TR-9-128	.121	11	76	1.88	293	.315	1	1.61	.054	1.02	<1	<1	7.0	<1	.50	8	.16	11
RE 2000-TR-9-128	.120	11	73	1.82	283	.305	4	1.55	.052	1.00	<1	<1	6.0	<1	.50	7	.17	-
2000-TR-9-129	.114	11	92	1.69	241	.231	5	1.47	.047	.73	<1	<1	6.0	<1	.56	7	.21	15
2000-TR-9-130	.159	14	74	1.54	239	.244	3	1.40	.046	.78	<1	<1	6.0	<1	.74	7	.20	15
2000-TR-9-131	.121	15	61	.91	348	.149	8	.99	.040	.55	<1	<1	6.0	<1	.48	5	.18	11
2000-TR-9-132	.087	13	98	1.14	329	.203	4	.98	.044	.66	<1	<1	7.0	<1	.53	5	.14	15
2000-TR-9-133	.080	16	72	1.16	190	.164	6	1.00	.048	.55	<1	<1	7.0	<1	.86	5	.16	9
STANDARD C3/AU-1	.092	17	161	.63	154	.091	24	1.79	.032	.15	15	1	3.0	1	.03	8	3.54	-
STANDARD G-2	.107	7	74	.62	238	.137	4	.94	.057	.47	2	<1	2.0	<1	<.01	5	-	-

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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 AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 19 2000 **DATE REPORT MAILED:** July 4/00 **SIGNED BY** C. Leong ....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Assay in progress for Cu >5000 ppm

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A001907R

10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: Gordon Weary

SAMPLE#	Cu %
2000-TR-9-118	.626
2000-TR-9-127	.502
2000-TR-9-128	.574
RE 2000-TR-9-128	.576
STANDARD R-1	.843

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
AU - 10 GM REGULAR ASSAY.
- SAMPLE TYPE: ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 6 2000 DATE REPORT MAILED: July 13/00 SIGNED BY.......... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ____

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

ASSAY CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A001907R
10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: Gordon Weary

SAMPLE#	Cu %
2000-TR-9-118	.626
2000-TR-9-127	.502
2000-TR-9-128	.574
RE 2000-TR-9-128	.576
STANDARD R-1	.843

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
AU - 10 GM REGULAR ASSAY.
- SAMPLE TYPE: ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 6 2000 DATE REPORT MAILED: July 13/00 SIGNED BY. C. L. D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

Trench # TR-10
Orientation/length E - W

Location [illegible]

		Visual					Descriptive																Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
0	10			040 200 344 046	90 85 90 55		ZST	bl'd sil + (phy?)	lt. gry to dull tan	5- 6 to 9	1- 2	—	5	wk 10c	<.3	—	—	1- 2	<.5	+		Mod py veinlets on fracts – w/ mod-strong oxid. on fracts surfaces. Not many fracts initially – becomes typical sw @ 7m.	TR-10 149		
10	16	ox'd + crumbly		100 220	72 V	(numerous)	BFP	phyl. to K.	tan to mdm gry	2- 8.	2- 6	—	5- 10	—	<.3	—	—	2- 4	<1	2- 3		Jarosite zone ~~~ 200. Locally v. siliceous & mdm gry. V. strong py on numerous fracts. Very crumbly for most of this sec'n	TR-10 150		
30 39.5	40 40			310 330	85 88		BFP BFP	K- K-phyl.	salt 'n pepper lt. gry	6- 7	<1	—	~5	wk	<.3	—	tr.	2	3	1- 1.5		(Hiatus from 16-17 to 30 m). Fine secondary bio. w/ ? chl rims in a white comp chert matrix. Fsp→ser. partially @ 39.5 m. BLOCKY (fg.)	TR10 151		
40 48	50 48.5			300 220	74 80		BFP.	K- phyl	Lt. gry.	7- 8	.5	—	~5	wk m	.3	—	tr. wk	1.5 2	3	2		BFP similar to prev. w/ v. small sec'n ~ 50cm. w/ phyl. alt'n, sil. & sw veinlets. Slight inc. of cp towards end of sec'n.	TR-10 152		
50 53 54.5 56.	60 54.5 56.0 60	Mix'd BFP+ZST		310 276 017 030 295	85 80 90 85 70		BFP ZST BFP. MIXED→	K-phyl K-sil K	Lt gry mdm gry mdm gry	8 7-8 8	<.5 .3 .3	— — —	~5 7-10 5-6	wk — —	1-1.5 .3 .7-1 0.5	—	wk wk tr.	1.5-2 1 1	2-3 1-2 3	2 — 5		Last 8 m no rock. Moly on fract. in zst. Abund. 1ry & 2ndry biotite in BFP. BFP appears better min'd	TR10 153		

Trench # TR - 10 | Location | Page 2 of 3

Orientation/length E - W

From m	To m	Visual: ROCK	FRACT	strike	dip	VEINS	Descriptive: Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Assays: Sample No.	Cu %	Au g/t
60	61						ZST	K-sil	wm gy	8-9	—	—	1-10	—	<5	—	tr	1	2	—		ZST to 61- BFP-to	TR-10 154		
61	64						BFP	K	dk.gy	9	—	N	10	—	~1	—	Tr.	1	1	0		- 20% f.g bio.			
64	70			312 160	65 85		ZST	Phy	lt.gy tan	8-9	—	N	15	—	Tr	—	TR	<1	2	—		- minor Mo noted			
70				245 160 30 210 30	76 90 72 90 70		ZST	Phy	lt.-md. gy	8-9	—	—	<5	—	<1	—	—	1	1-2	—		- Well exposed Rel. fresh rk, ↑ Fract'd - v.f. diss. Cp ↑ Inc. Su's on Fract's	TR-10 155		
	80			228 210	80 87	7Bm	BFP	Prop-08	white-obg.	5	3	—	?	—	Tr	—	—	<.5	—	—		- Mushy - ox			
80	90			poor exp.			BFP	K	mdm gry	10	1-2	—	<5	—	.7-1	—	—	1-1.2	—	2		very poor exposure. BFP is too hard to break! v.competent BFP w/ mod Hem. sim. to that obs. in MO-9 Few fracts. F.d. cp. in BFP.	TR-10 156 ↑ SAME ↓		
92	100			poor exp. 200 316	90 90		BFP AS ABOVE ZST	K-(phyl)	gry-tan	9-	1	—	5-6	—	.3	—	—	1	1-1.5	—		v.f.d. cp. in BFP consistent rock to end of sample but only 10-15% expos. becomes less phyl.	TR-10 156		
100	110			328 76 030 026 104	22 82 90 80 sv	principal fract set w/cp.	ZST	K (wk phyl)	lt. gry.	9	<1	—	6-7	—	.5	—	tr	<1				cont'n of previous Very hard, competent hornfelsic siliceous. 8 vnlets py in stringers py-cp-mo on fracts	TR-10 157		

Trench # TR-10 | Location | Page 3

Orientation/length E-W

Visual							Descriptive																Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
110							ZST	AS ABOVE																	
111				25	84		BFP	Oxid.	org.	2-3	4-5	–	?	–	?	–	–	?	<1	2-3		contact w/ BFP @ 111m to 114. BFP is highly weathd.	TR-10 158		
115	126						ZST	K. (wk. perv.) SIL	lt. gry	8-9	1-1.5	–	~5	–	0.3-0.4	–	tr.	0.5-.7	1-1.5	–		Zst is very hard. Not v. good expos. Fd. cp w/ py on fracts. loc.			
						EOT -	too steep to continue - would join up to MD-9																		

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A002217 Page 1
10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: Gordon Weary

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** gm/mt
TR-8-134	55.3	2406	13	95	1.0	62	19	354	5.23	65	5	<2	14	17	.3	.9	<.5	109	.39	.159	29	78	.20	58	.014	3	1.00	.012	.11	<1	<1	12.5	<1	.36	2	.08
TR-8-135	45.8	4299	145	556	4.7	75	20	288	5.10	141	4	<2	8	44	2.7	6.7	.7	99	1.30	.137	11	78	1.11	30	.106	6	1.28	.046	.45	1	<1	9.0	<1	1.64	4	.20
TR-8-136	31.3	2606	42	215	1.7	56	30	306	4.27	48	1	<2	7	39	.6	.5	.5	95	.56	.105	9	58	1.05	57	.135	8	1.13	.049	.70	1	<1	8.5	<1	1.26	3	.08
TR-8-137	43.6	3895	5	63	.8	51	21	169	3.57	2	<1	<2	11	40	.3	<.5	.5	121	.64	.127	23	76	1.83	124	.195	7	1.69	.074	.87	1	<1	9.6	2	.81	7	.10
TR-8-138	30.0	2147	5	54	.8	45	16	182	3.71	1	<1	<2	8	37	<.2	.7	<.5	125	.67	.136	16	87	2.05	260	.257	4	1.83	.103	.87	2	<1	8.0	1	.57	7	.06
TR-8-139	22.1	2468	7	54	.8	47	10	165	2.89	1	<1	<2	8	28	<.2	<.5	<.5	127	.37	.121	8	96	2.09	395	.296	5	1.84	.091	1.02	1	<1	8.7	2	.25	8	.10
TR-8-140	38.0	2230	7	99	.7	51	18	312	3.65	4	<1	<2	8	46	.4	<.5	<.5	115	.88	.131	11	75	1.73	114	.218	6	1.54	.085	.77	2	<1	8.4	<1	.76	6	.05
TR-8-141	89.5	1891	5	65	.6	53	11	168	2.92	1	<1	<2	9	36	<.2	<.5	<.5	109	.49	.147	10	96	1.74	431	.269	2	1.47	.099	.82	1	<1	6.2	2	.17	7	.09
TR-8-142	10.8	3664	5	55	.7	68	10	182	3.17	1	<1	<2	9	264	<.2	.6	<.5	123	.40	.078	12	94	1.39	412	.261	4	1.40	.104	.88	2	<1	10.8	2	.25	5	.17
TR-8-143	3.6	4979	3	63	.9	64	10	197	3.26	<1	<1	<2	11	60	<.2	<.5	1.1	108	.68	.096	14	51	1.54	414	.291	3	1.39	.104	1.00	2	<1	10.2	1	.38	5	.25
TR-8-144	28.5	2322	3	52	1.0	58	7	311	2.74	2	<1	<2	10	28	<.2	<.5	<.5	106	.43	.034	13	108	.86	349	.142	5	.98	.076	.53	1	<1	11.8	<1	.35	5	.09
TR-8-145	2.1	417	4	55	.3	37	10	234	3.39	2	<1	<2	11	28	<.2	<.5	<.5	103	.45	.126	12	74	1.52	317	.206	3	1.30	.071	.60	1	<1	4.5	2	.03	6	.03
TR-8-146	2.3	1458	3	60	.5	41	11	241	3.90	1	<1	<2	9	36	<.2	<.5	.6	109	.45	.123	14	79	1.66	441	.235	3	1.42	.084	.77	2	<1	5.8	2	.08	6	.07
TR-8-147	2.0	2165	3	72	1.2	41	11	284	4.24	3	<1	<2	9	51	<.2	<.5	<.5	114	.69	.129	14	83	1.58	530	.216	4	1.34	.071	.68	1	<1	6.0	1	.30	6	.12
TR-8-148	1.6	1547	3	60	.5	38	11	295	3.40	2	<1	<2	11	36	<.2	<.5	<.5	107	.46	.132	18	74	1.25	450	.230	4	1.28	.081	.71	2	<1	6.1	1	.07	5	.07
RE TR-8-148	1.6	1548	3	61	.6	38	11	300	3.53	4	<1	<2	12	37	<.2	<.5	<.5	109	.47	.130	18	74	1.27	445	.233	3	1.30	.082	.72	2	<1	6.2	1	.06	4	.07
TR-10-149	29.3	1349	89	550	2.6	61	8	179	3.04	64	<1	<2	5	17	1.9	2.3	.8	27	.06	.044	6	35	.09	211	.003	1	.58	.019	.23	2	<1	3.5	<1	.74	<1	.10
TR-10-150	402.6	1382	11	98	.9	41	19	217	3.22	18	<1	<2	5	66	.4	1.9	<.5	60	.24	.091	5	43	.40	74	.032	6	.96	.031	.33	2	<1	6.3	1	.79	2	.05
TR-10-151	3.9	465	4	48	.3	30	10	159	3.64	1	<1	<2	10	19	<.2	<.5	<.5	78	.26	.115	13	61	1.63	338	.038	1	1.86	.045	.22	1	<1	4.7	<1	.41	8	.03
TR-10-152	20.0	1884	7	65	1.9	72	21	217	3.78	10	<1	<2	11	23	.2	<.5	.5	121	.37	.102	15	94	1.97	302	.090	4	2.22	.067	.52	2	<1	8.8	1	.48	8	.07
TR-10-153	68.7	3471	8	83	1.8	76	18	193	3.14	5	<1	<2	9	20	.3	<.5	<.5	115	.21	.080	10	105	1.74	327	.115	4	1.97	.071	.66	1	<1	9.1	1	.48	7	.11
TR-10-154	71.2	3005	18	188	1.2	109	20	222	2.60	18	<1	<2	7	32	1.3	.9	1.1	62	.39	.041	13	72	.72	258	.048	5	1.25	.058	.55	1	<1	6.7	1	.67	4	.06
TR-10-155	73.5	2497	15	161	1.1	100	23	460	2.73	92	<1	<2	7	27	.7	2.6	.8	48	.48	.029	12	58	.30	233	.004	3	.80	.019	.26	<1	1	6.1	<1	.63	1	.04
TR-10-156	155.7	2511	9	159	1.3	78	17	303	3.38	13	<1	<2	10	55	.6	.8	<.5	92	.94	.085	16	85	.93	211	.063	4	1.10	.073	.45	1	<1	9.6	<1	.73	4	.06
TR-10-157	166.0	4476	14	196	3.1	100	9	269	2.33	5	<1	<2	7	35	.7	1.1	1.1	57	.50	.012	9	66	.46	211	.004	2	.55	.049	.20	1	<1	7.6	<1	.44	2	.10
TR-10-158	87.8	2887	12	150	2.4	86	13	378	3.09	16	<1	<2	10	30	.6	<.5	.9	85	.34	.068	14	81	.72	336	.056	4	1.24	.045	.42	1	<1	9.6	<1	.36	4	.07
RD-4-159	3.2	3608	3	478	3.0	72	10	603	4.66	5	3	<2	8	80	1.6	1.1	1.2	98	1.47	.110	19	103	1.59	241	.104	4	1.44	.045	.50	1	<1	9.9	<1	.45	5	.13
RD-4-160	2.2	1796	2	142	3.3	49	11	595	4.55	6	2	<2	9	39	<.2	<.5	<.5	94	.79	.115	14	80	1.61	505	.117	3	1.73	.053	.45	2	<1	7.8	1	.31	7	.05
RD-4-161	2.5	757	9	171	.5	63	14	796	3.89	44	2	<2	5	46	.5	2.3	<.5	85	.57	.041	6	60	.19	120	.003	1	.64	.004	.03	1	2	10.4	3	.29	<1	<.01
RD-4-162	7.5	4212	8	52	1.3	59	8	190	2.06	45	<1	<2	5	35	<.2	1.3	1.1	47	.59	.026	7	78	.18	264	.004	<1	.64	.009	.09	2	<1	7.6	<1	.36	2	.13
RD-4-163	6.5	6923	5	84	2.1	63	11	313	2.80	14	<1	<2	7	50	<.2	1.3	1.5	68	.91	.088	9	95	.83	158	.090	1	.92	.034	.47	2	<1	7.6	<1	.59	3	.23
RD-4-164	3.0	3398	4	94	.9	57	10	207	2.89	1	<1	<2	9	39	<.2	<.5	<.5	107	.36	.124	15	91	1.61	319	.179	1	1.69	.077	.69	2	<1	7.8	1	.13	7	.25
RD-4-165	6.9	3359	4	61	.8	57	8	245	2.37	7	<1	<2	7	58	.2	.8	.9	79	.75	.057	9	107	.79	527	.107	1	.89	.043	.44	2	<1	8.7	1	.26	3	.11
RD-4-166	9.0	1670	7	68	.7	39	11	448	3.01	5	1	<2	11	32	.4	.7	<.5	67	.19	.082	19	49	.50	535	.072	3	1.10	.039	.38	1	<1	6.7	<1	.07	3	.03
STANDARD C3/AU-1	28.3	68	38	170	5.7	36	10	797	3.40	60	26	<2	26	29	23.8	16.3	23.0	82	.54	.096	18	172	.62	165	.090	22	1.94	.039	.18	14	1	4.5	2	.02	7	3.50
STANDARD G-2	1.7	3	3	45	<.1	7	2	553	2.08	<1	2	<2	7	73	<.2	<.5	<.5	44	.65	.097	8	71	.62	226	.134	5	1.00	.076	.50	2	<1	2.6	3	<.01	4	-

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 10 2000 **DATE REPORT MAILED:** July 19/00 **SIGNED BY** ....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

Trench # RD4
Orientation/length N-S

Location Beg. 30m ~S from 98 MO-1
Access Rd - N. zone

Visual							Descriptive																Assays		
From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
30	33		poor expos				BFP	K-sil wk. phy.	H. gy	6-7	2-3	—	<5	v. wk	<1	—	—	<1	3-4	<1		Bedrock begins @ ~20m depth. Only a few good exposures. Several large boulders in till (min'd BFP).	RD-4 159.		
40	50		no expos.				TILL															min'd BFP & min'd K zst. in large boulders in till			
52	60		poor expos				BFP	K	lt gy	8-9	1	M	<5	wk-M	1+	—	—	<1	3	1-2		@ 52m - one large boulder of BIR. Secondary bios. GRAB SAMPLE	RD-4 160		
60			poor expos.			wisps chal vn. cp+py	BFP	phy-	H. gry-tan	7	2-3	—	<5	—	<5	—	—	.5	3-4	—		Bio → ser. weakly. Some of this rock may be subcrop.	RD-4 161		
65	66						BFP	K-(prop)	greenish brown gry	6-7	2	M	<5	M	1	—	—	1-2	3	1-2		F.d. cpy & w/ py on fracts in masses Joins Rd @ 72 m.			
66	70																								
70 72			Fragmented "				prob. BFP. ZST	K- v. sil.	mcm gry	8-9	1-2	—	5-6	W	2+	—	M	.5	2-3	—		Abund. qtz veining. Fragmented & weathered. unsure of lith. to 72m. then rk defin. zst cp f.d. & on fracts	RD-4 162		
77	80		poor exp.				BFP	OXD	ORA-WH.	2-?	4-5						M		5-4	?		BFP is weathd & oxdized.			

mal common on fract.

Trench # RD-4
Orientation/length N-S.

Location

From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
80	90						TILL																		
90																						TILL poor-exposure.			
92	94						ZST	SIL (K)	mdm gy	9	1	–	5-6	1	1-1.5+	–	tr	~1	1-1.5	–		ZST - pervasive silicific. f.d. Throat, also on fract.	RD4-163		
94	97						BFP	Py-K	mdm gy-tn	8	1-2	–	<5	–	1?	–	–	<1	<1	–		weakly min'd w.			
97	98						ZST	SIL-K	As	Above												weak MIN'D			
98	100						BFP	K ORD-	gy	7	3-4	–	<5	–	tr	–	M	<1	<1	2		crumbley & ox'd.			
100	105						TILL															2 point sources – @ 105m + @ 109.			
							BFP	K	mdm dk gy	6	1-2	S	5	–	<1	–	L	4		2-3		Dk gy K BFP ~1 abund. 2ndry bio. mal. in several boulders	RD4 164		
	109 110						As Above																		
110	112						TILL															F.d. cp.			
112	120	sub crop mainly					BFP	K sil.	mdm gy	7	0-1	M	<5	–	~1	–	–	<1				abund. 2ndry bio.	RD4-165		
120							BFP	K	mdm gy	7	1	W	<5	–	<1	–	–	~1		2-3		Very small grab sample. Abund. 2nd bio.	RD4 165		
124		subcrop					ZST	K	gy-g	8	<1		<5	W-M	tr	–	–	<1		–		Siliceous.			
126 127		subcrop																							
129	130	subcrop					BFP	As	Above																

July 4

Trench #

Orientation/length N-S

Lo

From m	To m	Visual: ROCK		FRACT	strike	dip	VEINS	Descriptive: Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Assays: Sample No.	Cu %	Au g/t
130	135	Δ – Δ						TILL																		
								BFP	K sil	lt gy	8	2	–	5-10	wk	<5	–	–	1	3	–		–q vning	RP4 167		
135	136	++	BFP																				becomes v. weather'd - strong Fe ox + Jaros @ 139			
		Δ–	till																							
139	140		BFP					BFP	oxid	orang wh	4-	5	–	?	–	?	–	Lw	?	2	–					
140	141.5	– –	2 outcrops					ZST	oxid K	mm gy	9	1-1.5	–	<5	v. wk	1		low	3	—			Txt ob H'd	RP4 168		
		Δ ·						till																		
	148-150	– –						ZST	Sim to above - ¼% Py on fractures														veins ro long	↕		
150	152	– Δ	no smpl - till					More weathered - diff to describe																168		
160	161	–	ZST		225 150	70 35	well mind		dk gry	–	8	<1	–	10	v wk	~	–	low	<1	2	–		Lots of fractures	169		
161	162	++	BFP ZST		quite for ron as per			BP	K	dk gy	7	<1	–	5	[illegible]	<5	–	–	<1	2	3-4					
162 163	163 164		BFP		highly chl'd			BFP	[illegible] prop	green	2	3	–	low	S	?	–	–					clay rich prop material			
164	170	– –	ZST		000 115 026	90° 75 90		ZST	K sil	mm gy	7	2	–	5-10	W-M	1.5-.7	–	tr	<1	1-2	–			–		
170	180	+ + +	BFP.		320 210	64 90		BFP	Kaol	bl'd wh	5-6	3	–	–	–	<1	[illegible]	Low	<1	3	–		BFP is Kaolinized but competent Bleached q-ser.	170		

Trench # KW 4 Location

Orientation/length N-S. 400m. Access road from North to cent-south areas.

From m	To m	ROCK	FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au
180	190	MIX BFP + ZST					ZST	K-sil	mdm gy	8	1-2	—	5-10	v. wk	.5	—	tr.	2-3		—		Really chip composite?	RDY 171		
	185	BFP	↓	218 22 210 288	86 80 60 70		BFP	K	dk gy	9-	<1	—	5	—	1-3	tr	[illegible] to mod	<1	<1	<1 to 2		185m v. well min'd BFP. Few fresh bios - lots? cp f.d. + blebs. & coarsely diss.			
190	199	+		220 155	88 20		BFP	K + SiL	dk gy	9	<1	N-M	<5	—	1.5-<.5	—	mod	<1	1-3	1-2		Hornfelsed, hard, F.d & col. cp, py mainly on fracts	RDY 172		
194	200	—					ZST	K-phy (SiL)	tn-gy	10	<1	—	5	W	<1	—	—	<1	<1	—		F. d. cp, malt azur. + zst. Flat bench last 3m. Intersect @ 200m.			
200	210	MIX 200-203 BFP + ZST					ZST	phy	tn	7	<1	—	5	—	.5	—	tr.	.5	2	—		210 sample @ beginning of tr. 5.	RDY-173		
203		+	195 90				BFP	K	mdm gy	8-9	<1	M-S	<5	—	1-1.5		L-M	1.5	3	3-4		F.o. cp. blebs of py.			
210	211	BFP	130 62 320 78				BFP	oxid	oran	4-6	4	—	?	~~[illegible]~~	?	—	—	2	<1	2		Becomes highly oxidized @ 210m-211-then chgs to dk gy BFP w/ [illegible] bio	RDY-174		
211	215	K					BFP	K	mdm gy	7	1-1.5	—	<5	v. wk	1-1.7	—	—	2+	1-1.5	<2					
215	216	phy					"	phy	gy-(tn)	7	<1	—	<5	—	<1	—	—	1.5	3	—		Hem stain from 211			
216	220	ZST	330 58 140 50				ZST	phy-K	gy-tn	8-10	1-1.5	—	5-7	—	<.5	—	—	<.5	2-3	—		Phy. alt'd @ 215m. zst @ 216m		[illegible]	[illegible]
220	228	ZST	230 74 140 90 350 35 140 70				ZST	K-sil	gy	8-10	1-1.5	—	3-5	NH M	[illegible]	—	—	<.5	2	[illegible]		cp in m. vnlets. Hard siliceous. V. WK hem. stain locally	RDY 175		
228	230	TILL																							

Large grab sample

Trench # RD-4
Orientation/length N-S

Location
past the beaver pond.

		Visual						Descriptive															Assays		
From m	To m	ROCK		FRACT	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No.	Cu %	Au g/t
230	235	TILL						TILL	no Exposure															RD4 176.		
235	236	ZST						ZST	K, SIL	mdm gry	7-9	1-2	—	4-5	—	0.7	—	—	<1	0.5-1	—		ZST - w/ trace hem stain cp on fractures			
236	239	BFP		—	340 / 040	74 / 90		BFP	K	mdm-dk gry	7	<1	L-M	<5	—	1-2	—	tr.	1-2	<1	3-4		BFP - nicely min'd. abund. 2nd. bio			
239	240	ZST						ZST	phy K	tan-gry	5-7	3-4	—	<5		.7	—	low	1	2	—					
240		ZST			020 / 154	70 / 70		ZST	phy. SIL	tan	8-9	3-4	—	5-7	—	?	—	low	?	2	—		sw fracturing. v. weathered.	RD4 177		
246 / 247		BFP						BFP	K	dk gy	7	<1	—	<5	—	1-1.5	—	—	<5	—	<1		v. abund. 2nd bio Nicely min'd.			
	250							ZST	K SIL	mdm gy	9-10	.5	—	<5	W-M	.5-.7	—	—	1-1.5	<1	—		Zst - v. hard & resist. weakly min'd			
250		ZST			65 / 204	90 / 90		ZST	K	mdm gry	7	1-1.5	—	<5	W	.5	—	—	1-1.5	<1	—			RD4 178		
	260																									
260		ZST			300 / 50	80 / 87		ZST	K	mdm gry	9	0.5	M	<5	—	.5-.7	—	—	1-1.5	2-?	—		Siliceous magnetic a few cp specks.	RD4 179		
	270																									
270	280	ZST			130 / 160 / 057 / 000 / 350	63 / 88 / 90 / 50 / 70		ZST	K	mdm gry		tr.	M-S	<5	—	.7-1	—	—	<1	1-1.5	—		cp in vne & v.f. diss. (cp smears on fract) The best expos. of this trench so far. Found chips - rocks a 0.5 - 2m depth.	RD 4 180		

Tr # [illegible] Location [illegible] Page 7 7

Orientation/length N-S

From m	To m	Visual: ROCK	FRACT	strike	dip	VEINS	Descriptive: Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Assays: Sample No.	Cu %	Au g/t
280	290	ZST		200 190 144	40 58 78	wk sw	ZST	K- (phy)	mdm gry- (tan) loc	7	.5	W-N	5	WK (Cl)	0.5 0.6	—	tr.	<1	1	—		Thin films of py & cp on fracts & microfractures. Rare blebs of cp.	RD4-181		
290		BFP		195 094	84 78		BFP	K	dk gry- maroon	7-8	1	W	<5	—	0.5-1	—	low	1-1.5	2-3	1-2		BFP. py & c.a. & f.d. cp. BFP is more oxid. than zst & has deeper over burden. WK-mod hem stain. Abun. 2nd'y bio in orp. ZST - some th. q vns.	RD4 182		
295		ZST					ZST	K	mdm gry	8	0.5	N-W	<5	—	0.5	—	tr.	<1	1	—					
297		BFP					BFP	K	AS ABOVE																
298	300	TILL					TILL																		
300	302																								
	310	BFP		050 147 030 204 154	87 78 70 74 72		BFP	K	mdm gry	7-8	0.7	—	<5	v. wk loc	0.6 0.8	—	tr.	1-2	1-2	3		BFP some areas poorly min - some nicely min'd (spotty).	RD4 183		
310	320			32 330	85 83		BFP	K	lt-mdm gry	7-8	0.5	—	5	—	0.5 0.7	—	—	1.5-2	4	1-2		cp mainly on fractures (less f.d.) V. good exposure. Abund. 2nd. bio.	RD4 184		
320		ZST					ZST	K	mdm gry	7	0.5-0.7	W-M	5	—	0.5 0.6	—	—	1	<.5	—		wkly min. f.d. cp. zst has sw micro-fractures & stronger FeOx on surfaces	RD4-185		
326	330	BFP					BFP	K	mdm gry	8-9	—	—	<5	—	.5	—	—	<1	.5	2-3		BFP weakly min'd			

Orientation/length N/S. 405m

From m	To m	Visual: ROCK		FRACT	strike	dip	VEINS	Descriptive: Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Assays: Sample No.	Cu %	Au g/t
330		+ +	BFP					BFP	AS PREVIOUS															RD4		
333	340	+ - - -	ZST	⋕	030 326	20 74		ZST	K	mdm gry	7	0.5	—	<5	—	0.5	—	—	<1	1	—		ZST w/ stronger fracturing.	186		
340		Δ - • Δ	TILL					TILL															344~ intersection w/ TR-6	RD4		
343		- - -	ZST	↓	200 336 150	85 73 32		ZST	K	mdm gry	6-7	1	M	5	—	<.5	-	tr.	<1				Locally mushy. clay rich, oxid. orange	187		
	350	+	BFP.					BFP	K.	sim to previous BFP																
350		+	BFP.					BFP	OXD	orange		4-5											Not sampled too weath'd.	N/S		
351	380	Δ - • Δ	TILL																				351-380 m TILL - good till w/ ZST & BFP			
380	390	+ + + +	BFP					BFP	Phyl-SIL	lt. gy-tn?	9-10	0.5-1.5	—	<5	—	tr.	—	—	<1	1-1.3	2-3		V. difficult to obtain samples - v. hard and few fracts or too strongly oxid. 1ry bio not totally fresh	RD-4 188		
		+ -						ZST	phy.	tn	6	.5	—	5-7	—	tr.	—	—	<1	1	—		SW fracturing			
389		- - -	ZST	(fracture symbol)	080 235 140	50 82 30		ZST	K (phy)	mdm gy	6-9	.5	-	5+	—	.5	—	—	15	1	-		mainly K alt'n w/ localized phy (often w/ K). crnbe very sil. Fd. py+cp (and in fract's). Fingering of BPP + ZST.	RD-4 189		
400	405	~~ + +						BPP	phy (+sil)	tn	8-9	.5	—	<5	—	.5	—	—	.7	2-2.5	.5-1.0		@403- meet ~~tr 7~~ ~~BPP~~ - a few fresh bios. Blebs of cp+py			

EOT

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A002217 Page 1

10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: Gordon Weary

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** gm/mt
TR-8-134	55.3	2406	13	95	1.0	62	19	354	5.23	65	5	<2	14	17	.3	.9	<.5	109	.39	.159	29	78	.20	58	.014	3	1.00	.012	.11	<1	<1	12.5	<1	.36	2	.08
TR-8-135	45.8	4299	145	556	4.7	75	20	288	5.10	141	4	<2	8	44	2.7	6.7	.7	99	1.30	.137	11	78	1.11	30	.106	6	1.28	.046	.45	1	<1	9.0	<1	1.64	4	.20
TR-8-136	31.3	2606	42	215	1.7	56	30	306	4.27	48	1	<2	7	39	.6	.5	.5	95	.56	.105	9	58	1.05	57	.135	8	1.13	.049	.70	1	<1	8.5	<1	1.26	3	.08
TR-8-137	43.6	3895	5	63	.8	51	21	169	3.57	2	<1	<2	11	40	.3	<.5	.5	121	.64	.127	23	76	1.83	124	.195	7	1.69	.074	.87	1	<1	9.6	2	.81	7	.10
TR-8-138	30.0	2147	5	54	.8	45	16	182	3.71	1	<1	<2	8	37	<.2	.7	<.5	125	.67	.136	16	87	2.05	260	.257	4	1.83	.103	.87	2	<1	8.0	1	.57	7	.06
TR-8-139	22.1	2468	7	54	.8	47	10	165	2.89	1	<1	<2	8	28	<.2	<.5	<.5	127	.37	.121	8	96	2.09	395	.296	5	1.84	.091	1.02	1	<1	8.7	2	.25	8	.10
TR-8-140	38.0	2230	7	99	.7	51	18	312	3.65	4	<1	<2	8	46	.4	<.5	<.5	115	.88	.131	11	75	1.73	114	.218	6	1.54	.085	.77	2	<1	8.4	<1	.76	6	.05
TR-8-141	89.5	1891	5	65	.6	53	11	168	2.92	1	<1	<2	9	36	<.2	<.5	<.5	109	.49	.147	10	96	1.74	431	.269	2	1.47	.099	.82	1	<1	6.2	2	.17	7	.09
TR-8-142	10.8	3664	5	55	.7	68	10	182	3.17	1	<1	<2	9	264	<.2	.6	<.5	123	.40	.078	12	94	1.39	412	.261	4	1.40	.104	.88	2	<1	10.8	2	.25	5	.17
TR-8-143	3.6	4979	3	63	.9	64	10	197	3.26	<1	<1	<2	11	60	<.2	<.5	1.1	108	.68	.096	14	51	1.54	414	.291	3	1.39	.104	1.00	2	<1	10.2	1	.38	5	.25
TR-8-144	28.5	2322	3	52	1.0	58	7	311	2.74	2	<1	<2	10	28	<.2	<.5	<.5	106	.43	.034	13	108	.86	349	.142	5	.98	.076	.53	1	<1	11.8	<1	.35	5	.09
TR-8-145	2.1	417	4	55	.3	37	10	234	3.39	2	<1	<2	11	28	<.2	<.5	<.5	103	.45	.126	12	74	1.52	317	.206	3	1.30	.071	.60	1	<1	4.5	2	.03	6	.03
TR-8-146	2.3	1458	3	60	.5	41	11	241	3.90	1	<1	<2	9	36	<.2	<.5	.6	109	.45	.123	14	79	1.66	441	.235	3	1.42	.084	.77	2	<1	5.8	2	.08	6	.07
TR-8-147	2.0	2165	3	72	1.2	41	11	284	4.24	3	<1	<2	9	51	<.2	<.5	<.5	114	.69	.129	14	83	1.58	530	.216	4	1.34	.071	.68	1	<1	6.0	1	.30	6	.12
TR-8-148	1.6	1547	3	60	.5	38	11	295	3.40	2	<1	<2	11	36	<.2	<.5	<.5	107	.46	.132	18	74	1.25	450	.230	4	1.28	.081	.71	2	<1	6.1	1	.07	5	.07
RE TR-8-148	1.6	1548	3	61	.6	38	11	300	3.53	4	<1	<2	12	37	<.2	<.5	<.5	109	.47	.130	18	74	1.27	445	.233	3	1.30	.082	.72	2	<1	6.2	1	.06	4	.07
TR-10-149	29.3	1349	89	550	2.6	61	8	179	3.04	64	<1	<2	5	17	1.9	2.3	.8	27	.06	.044	6	35	.09	211	.003	1	.58	.019	.23	2	<1	3.5	<1	.74	<1	.10
TR-10-150	402.6	1382	11	98	.9	41	19	217	3.22	18	<1	<2	5	66	.4	1.9	<.5	60	.24	.091	5	43	.40	74	.032	6	.96	.031	.33	2	<1	6.3	1	.79	2	.05
TR-10-151	3.9	465	4	48	.3	30	10	159	3.64	1	<1	<2	10	19	<.2	<.5	<.5	78	.26	.115	13	61	1.63	338	.038	1	1.86	.045	.22	1	<1	4.7	<1	.41	8	.03
TR-10-152	20.0	1884	7	65	1.9	72	21	217	3.78	10	<1	<2	11	23	.2	<.5	.5	121	.37	.102	15	94	1.97	302	.090	4	2.22	.067	.52	2	<1	8.8	1	.48	8	.07
TR-10-153	68.7	3471	8	83	1.8	76	18	193	3.14	5	<1	<2	9	20	.3	<.5	<.5	115	.21	.080	10	105	1.74	327	.115	4	1.97	.071	.66	1	<1	9.1	1	.48	7	.11
TR-10-154	71.2	3005	18	188	1.2	109	20	222	2.60	18	<1	<2	7	32	1.3	.9	1.1	62	.39	.041	13	72	.72	258	.048	5	1.25	.058	.55	1	<1	6.7	1	.67	4	.06
TR-10-155	73.5	2497	15	161	1.1	100	23	460	2.73	92	<1	<2	7	27	.7	2.6	.8	48	.48	.029	12	58	.30	233	.004	3	.80	.019	.26	<1	1	6.1	<1	.63	1	.04
TR-10-156	155.7	2511	9	159	1.3	78	17	303	3.38	13	<1	<2	10	55	.6	.8	<.5	92	.94	.085	16	85	.93	211	.063	4	1.10	.073	.45	1	<1	9.6	<1	.73	4	.06
TR-10-157	166.0	4476	14	196	3.1	100	9	269	2.33	5	<1	<2	7	35	.7	1.1	1.1	57	.50	.012	9	66	.46	211	.004	2	.55	.049	.20	1	<1	7.6	<1	.44	2	.10
TR-10-158	87.8	2887	12	150	2.4	86	13	378	3.09	16	<1	<2	10	30	.6	<.5	.9	85	.34	.068	14	81	.72	336	.056	4	1.24	.045	.42	1	<1	9.6	<1	.36	4	.07
RD-4-159	3.2	3608	3	478	3.0	72	10	603	4.66	5	3	<2	8	80	1.6	1.1	1.2	98	1.47	.110	19	103	1.59	241	.104	4	1.44	.045	.50	1	<1	9.9	<1	.45	5	.13
RD-4-160	2.2	1796	2	142	3.3	49	11	595	4.55	6	2	<2	9	39	<.2	<.5	<.5	94	.79	.115	14	80	1.61	505	.117	3	1.73	.053	.45	2	<1	7.8	1	.31	7	.05
RD-4-161	2.5	757	9	171	.5	63	14	796	3.89	44	2	<2	5	46	.5	2.3	<.5	85	.57	.041	6	60	.19	120	.003	1	.64	.004	.03	1	2	10.4	3	.29	<1	<.01
RD-4-162	7.5	4212	8	52	1.3	59	8	190	2.06	45	<1	<2	5	35	<.2	1.3	1.1	47	.59	.026	7	78	.18	264	.004	<1	.64	.009	.09	2	<1	7.6	<1	.36	2	.13
RD-4-163	6.5	6923	5	84	2.1	63	11	313	2.80	14	<1	<2	7	50	<.2	1.3	1.5	68	.91	.088	9	95	.83	158	.090	1	.92	.034	.47	2	<1	7.6	<1	.59	3	.23
RD-4-164	3.0	3398	4	94	.9	57	10	207	2.89	1	<1	<2	9	39	<.2	<.5	<.5	107	.36	.124	15	91	1.61	319	.179	1	1.69	.077	.69	2	<1	7.8	1	.13	7	.25
RD-4-165	6.9	3359	4	61	.8	57	8	245	2.37	7	<1	<2	7	58	.2	.8	.9	79	.75	.057	9	107	.79	527	.107	1	.89	.043	.44	2	<1	8.7	1	.26	3	.11
RD-4-166	9.0	1670	7	68	.7	39	11	448	3.01	5	1	<2	11	32	.4	.7	<.5	67	.19	.082	19	49	.50	535	.072	3	1.10	.039	.38	1	<1	6.7	<1	.07	3	.03
STANDARD C3/AU-1	28.3	68	38	170	5.7	36	10	797	3.40	60	26	<2	26	29	23.8	16.3	23.0	82	.54	.096	18	172	.62	165	.090	22	1.94	.039	.18	14	1	4.5	2	.02	7	3.50
STANDARD G-2	1.7	3	3	45	<.1	7	2	553	2.08	<1	2	<2	7	73	<.2	<.5	<.5	44	.65	.097	8	71	.62	226	.134	5	1.00	.076	.50	2	<1	2.6	3	<.01	4	-

GROUP 1DX - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY OPTIMA ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 10 2000 **DATE REPORT MAILED:** July 19/00 **SIGNED BY** .... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

Road 4

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Au** gm/mt
RD-4-167	27.4	3364	41	1068	2.5	73	16	603	4.28	1581	<1	<2	7	33	.8	19.8	4.7	58	.44	.055	12	45	.25	168	.003	4	.86	.018	.30	1	<1	6.1	<1	.56	<1	.10
RD-4-168	73.1	3741	6	63	.8	88	21	274	2.58	17	<1	<2	10	25	.3	.9	1.5	62	.29	.046	13	65	.23	415	.004	3	.84	.041	.24	1	<1	9.6	<1	.38	2	.06
RD-4-169	25.2	1761	4	53	.3	43	9	263	2.34	5	<1	<2	7	20	<.2	.5	.8	73	.29	.051	12	71	.56	402	.093	4	.98	.048	.39	1	<1	6.9	<1	.17	4	.06
RD-4-170	21.4	4937	5	51	2.0	31	8	226	1.62	26	<1	<2	4	16	<.2	<.5	.9	31	.18	.038	5	39	.19	527	.022	2	.52	.025	.15	4	<1	3.1	<1	.24	2	.06
RD-4-171	57.1	3079	5	48	.7	63	17	157	3.26	<1	<1	<2	6	78	<.2	<.5	<.5	130	.43	.112	12	99	1.66	347	.266	5	1.87	.092	1.21	1	<1	12.9	1	.47	8	.09
RD-4-172	49.2	3091	8	55	1.0	41	12	128	2.45	12	<1	<2	8	28	.2	<.5	.8	86	.28	.081	14	62	1.01	361	.169	3	1.62	.057	.79	1	<1	9.4	1	.47	5	.09
RD-4-173	15.6	2379	4	56	1.1	62	20	187	3.40	2	<1	<2	6	33	.2	<.5	.8	93	.55	.128	9	67	1.28	176	.199	1	1.33	.092	.64	1	<1	5.2	<1	.78	5	.05
RD-4-174	26.0	3156	13	197	3.7	59	12	350	3.65	38	<1	<2	8	52	.8	1.8	1.3	93	1.26	.129	13	63	1.22	123	.141	4	1.28	.060	.51	1	<1	6.9	<1	.74	4	.05
RD-4-175	6.2	1018	23	165	.6	28	8	427	2.60	13	<1	<2	8	27	.4	<.5	<.5	43	.08	.015	17	16	.28	487	.024	3	1.03	.025	.23	<1	<1	7.2	<1	.24	2	.01
RD-4-176	29.2	1852	4	92	1.5	52	13	370	3.63	6	<1	<2	8	37	.3	<.5	.7	94	.53	.103	13	79	1.56	394	.117	2	1.95	.064	.58	1	<1	8.8	1	.35	6	.03
RD-4-177	23.9	1594	7	55	1.0	35	10	175	2.15	6	<1	<2	8	29	<.2	<.5	<.5	57	.25	.058	11	32	.72	420	.080	2	1.15	.065	.53	1	<1	7.2	1	.41	4	.05
RD-4-178	101.1	1771	7	92	1.4	43	10	242	2.56	15	<1	<2	7	28	.3	<.5	.8	38	.29	.051	12	24	.26	223	.004	1	1.09	.042	.26	<1	<1	6.4	1	.53	2	.04
RE RD-4-178	92.3	1771	7	89	1.4	44	10	239	2.58	14	<1	<2	7	27	.4	<.5	<.5	38	.29	.051	12	24	.26	206	.004	2	1.08	.041	.25	<1	<1	6.3	<1	.55	2	.04
RD-4-179	21.2	1625	7	99	1.4	55	22	299	3.32	9	<1	<2	8	22	.5	<.5	<.5	69	.27	.084	11	35	.70	264	.033	3	1.50	.043	.33	1	<1	7.1	<1	.55	4	.02
RD-4-180	25.6	937	4	37	.5	51	14	267	3.73	4	<1	<2	5	19	.2	.9	<.5	83	.16	.064	12	38	.57	232	.066	3	1.77	.048	.30	1	<1	8.2	<1	.49	4	.01
RD-4-181	18.7	847	6	44	.7	40	14	186	2.46	10	<1	<2	8	19	.2	<.5	<.5	59	.10	.034	12	25	.37	259	.050	<1	1.22	.046	.23	<1	<1	7.0	<1	.44	3	.02
RD-4-182	96.4	1865	7	180	2.6	62	20	369	4.12	49	<1	<2	5	35	.7	<.5	<.5	130	.52	.124	10	98	2.05	266	.177	5	2.35	.072	.84	1	<1	10.3	<1	.54	10	.06
RD-4-183	44.7	1736	8	168	3.0	59	31	402	4.99	23	2	<2	11	33	.7	<.5	1.0	108	.72	.138	12	72	1.80	149	.122	5	2.13	.073	.58	1	<1	8.3	<1	.95	9	<.01
RD-4-184	23.8	1343	50	385	2.4	49	10	596	4.45	56	<1	<2	11	23	1.3	<.5	1.5	100	.50	.123	20	64	1.60	358	.086	5	2.11	.050	.46	2	<1	7.0	<1	.28	8	.02
RD-4-185	5.3	1143	6	105	2.3	36	10	283	4.38	5	<1	<2	8	26	.2	<.5	<.5	74	.32	.048	16	38	.89	225	.056	2	1.93	.048	.33	<1	<1	5.8	<1	.67	5	<.01
RD-4-186	22.9	988	9	206	3.2	31	10	350	3.60	71	<1	<2	5	25	1.0	<.5	<.5	58	.62	.067	8	38	.78	182	.003	4	1.62	.048	.27	<1	<1	5.7	<1	.30	4	.02
RD-4-187	3.6	301	5	77	.4	22	11	205	4.32	12	<1	<2	5	31	.3	<.5	<.5	55	.30	.122	10	24	.58	155	.006	<1	1.92	.063	.22	1	<1	5.3	<1	.20	4	<.01
RD-4-188	6.2	527	28	181	1.1	46	20	348	3.65	62	<1	<2	7	52	.6	1.1	.6	59	.70	.089	9	32	.51	192	.007	4	1.20	.028	.28	1	<1	6.9	<1	.82	3	<.01
RD-4-189	7.1	982	21	203	3.6	45	75	981	4.13	1964	<1	<2	4	138	.8	10.6	1.2	55	1.39	.072	3	22	.43	120	.002	4	.86	.013	.22	<1	<1	5.9	<1	.59	<1	.03
STANDARD C3/AU-1	26.6	73	36	167	5.5	37	11	796	3.32	57	24	<2	26	30	23.8	16.3	22.3	83	.56	.099	18	178	.63	172	.095	23	1.97	.040	.19	16	1	4.6	2	.03	7	3.57
STANDARD G-2	1.5	19	2	41	<.1	7	2	537	2.02	<1	1	<2	7	72	<.2	<.5	<.5	43	.63	.102	8	77	.60	238	.131	2	.96	.074	.48	2	<1	2.7	<1	<.01	5	-

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

Data FA

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE (60_) _53-3___ FAX (___)2__-_716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A002217R
10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: Gordon Weary

SAMPLE#	Cu %
TR-8-143	.475
RD-4-163	.692
RD-4-170	.470
RE RD-4-170	.471

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 100 ML, ANALYSED BY ICP-ES.
- SAMPLE TYPE: ROCK PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 20 2000 DATE REPORT MAILED: July 24/00 SIGNED BY. C. L........D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

TRENCH LNRD (N OF TR-4) OCT 22/00 | Location: | Date: October 1999, Logged By: E. O'Brien and T. O'Cr. Page 1 of 4
Orientation/length: S-N/280 m | N. Zone, west of MO-21

CHRIS SAMPSON

Visual								Descriptive															Assays		
From m	To m	ROCK	strike	dip	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %	Description	Sample No.	Cu %	Au g/t
0	1	O/B																							
1	6	++	236	54	131	53		BFP	K-minor Phyll	dk - med gry	6	1-2	N		N	0	0	0	.5	0	5 - 8		LNRD-389		
6	10	- -	189 63	69 32	70	90		ZS	phyll & clay	lt brn / med gry	<6	1-3	N		0	0	0	0	0	0		a highly fract'd zone at 8 m; contact is at 107/78 and adjacent to bx'd zone; bx'd zs is at 9 m	LNRD-389		
10	20	- -	55	89	15	81		BX'D ZS W/ BFP DYKE	phyll & clay	med- lt gry	<6	1-2	N	8-10	N	0	0	0	.5	0		bx frags are coarse and fine grained zs; BFP is sub-	LNRD-390		
								BFP DYKE	phyll & clay	lt blue/lt gry	5-6	1-2	N	8	N	Tr	0	0	<.3	.5	-	horizontal at ~27/37; fract'd zone at 20 m	LNRD-390		
20	24	- -						ZS	phyll	lt gry/med gry	5	2-3	N	8	N	.5	0	0	.5	0	-	strat. Higher ZS only has cp	LNRD-392		
24	30	++	212	72				BFP	phyll	lt gry	5-6	1-2	N	8-10	N	.5-.7	0	0	.5-1	.5	-	very oxid along fracts; cp along vnlts	LNRD-392		
30	40	++	196	71	354	52		BFP	phyll	lt gry/ blue	5	1-2	N	<5	N-W	<.5	0	0	<.5	0	0	py along fracts and vnlts; cp decreases down interval	LNRD-393		
40	41	O/B						O/B																	
41	43	++						BFP	phyll	lt gry/ blue	5	1-2	N	<5	N-W	<.5	0	0	<.5	0	0		LNRD-394		
43	50	+-+-						BFP & ZS/SS	phyll	lt brn/ lt gry	4-6	1-3	N	0-10	N-W	0-Tr	0	0	.5	0	0	ZS/SS is highly frac'd & oxidized; either many dykes of BFP or zenoliths of ZS/SS (unknown); py vns up to 5 mm thick	LNRD-394		
50	57	- -						SS/ZS	K	gry	4-7	1.5	-	<1	-	-	-	-	-	<1	-	small Bx w/ SS and ZS at 50.5m; 50.5-57 m is mainly ZS	LNRD-395		
57	60	till						till																	
60	64	++						BFP	K (phyll)	med gry	5	1-1.5	W	3-4	-	.4-.6	-	-	2	<1	5-7	60-69 BFP discontin but ~70% bedrx; fresher bio books	LNRD-397		
64	64	till						till														good quality till	LNRD-512		
64	69	++						BFP	K (phyll)	med gry	5	1-1.5	W	3-4	-	.4-.6	-	-	2	<1	5-7		LNRD-397		
69	70	. . .						SS	phyll	lt gry	4	1	-	1-2	-	-	-	-	<1	-	-		LNRD-397		
70	77	-.-.-	36	90	350	90		ZS/SS	K	dk gry	5	.5	-	-	-	-	-	-	-	-	-	ZS is interbedded with coarser seds; fine-med ss	LNRD-397		
77	78	-.-.-						BX seds & BFP	K	dk gry	7	2	-	5	-	-	-	-	1	-	-		LNRD-397		
78	79	- -						ZS	K	dk gry	7	1-2	-	<2	-	-	-	-	.3	-	-	78-79 bx'd ZS	LNRD-397		
79	80	. .						SS	phyll	lt gry	7	1-3	-	-	-	.5-.7	-	low	tr	-	-	79-80 fract's zone w/ mal and blebs of cp	LNRD-397		

Orientation/length: S-N/280 m

N. Zone, west of MO-21

From m	To m	ROCK	strike	dip	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %	Description	Sample No.	Cu %	Au g/t
80	81	. .						SS/ wacke		gry												SS is very hard: either silicified or composed of mainly Qz; less than 10% frags of 1 mm	LNRD-397	—	—
81	90																					at 81 m is end of bedrock; same spl as previous (397); 90-85 caved	LNRD-511 (@85 M)		
90	100	O/B						O/B														in (poorly consol. Sand/gravel/slump). Deep overburden: .5-4.5 m deep	NO SMPL		
100	105	+ +						BFP	phyll/ arg/K	lt gry/med gry	2-5	2-3	-	0-3	W	.5-1	-	-	1	-	2-3	cp on Qz vn, 1 mm thick? V f cp specks; discontinuous exposure	LNRD-399		
105	110	till						till	excellent basal till at 3.25m depth: sample taken at 110 m													102 - 103 m till on either side; BFP float up ice of bedrx;	LNRD-510		
110	120	till						till														predominant clast @ base is mdm-dk gry ZS; unmin but minor py vns; also SS with 10% 1-2 mm size frags (chert, qz, etc.) till @ 3 m depth; float: blk BFP, gry ZST; poorly mineralized	NO SMPL		
120		S/G 120 cm						sand & gravel														imbricated			
		sand 170 cm						sand	sand w/ large cobble dropstones - probably layered																
		coll. Till 220 cm						coll. Till	colluviated till, lg cobbles to boulders common																
		till 360 cm						till	sandy till - colluviated/ washed slightly; sec'n 127-128 m is deepest part of trench;																
128	130	till 400						till	sample at 128 m, 400 cm depth; no bedrx													excellent basal till, boulder clay	LNRD-509		
130	134	till						till														curt's float collected at 131 m; BFP text oblt'd w/ cp,hem gossan	LNRD-413 (FLOAT)		
134	140	- -						ZST	K	mdm gry	4	1-2	-	<2	-	-	-	-	-	<1	-		LNRD-396		
140	141	till						till																	
141	145	- -						ZST	K	mdm gry	4	1-2	-	<2	-	-	-	-	.5	<1	-	Bx'd locally; clay altered locally	LNRD-396		
145	150	till	spl coll'd above b/r, at 3 m depth; sandy, not great; smpl at 141 m; colluvium or washed till- sandy matrix -																				LNRD-508		
145	150	till	probably similar to unit at 220-360 cm depth in sec'n w/ till #509; float of zst & BFP w/ py 1-2%; lg angular boulders;																						
150	152	O/B						O/B																	
152	154	+ +						BFP	K-silic	dk gry	7-8	1	N	0	N	1-1.5	-	-	1	-	8		LNRD-411		
154	160	O/B						O/B																	
160	170	silt & clay						silt & clay														finely laminated silt and clay w/ diamicton interbeds and colluvium capping the unit	NO SMPL		

Orientation/length: S-N/280 m

N. Zone, west of MO-21

Visual								Descriptive															Assays		
From m	To m	ROCK	strike	dip	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %	Description	Sample No	Cu %	Au g/t
170	174	BFP	233	69				BFP	k-silic	dk gry	7-8	1	N	0	N	1-1.3	-	-	1.5	0	5-8	cp is coarsely disseminated	LNRD-409		
174	180	till						till																	
180	184	till						till																	
184	190	-.-.-						ZS/SS	phyll & clay	blk-lt blue	<5	3	N	<2	N	0	-	-	<.5	-	-	heavily oxidized; ZS changes from blk to lt blue (coarser grained?)	LNRD-408		
190	192	-.-.-						BX'D ZS/SS	phyll & clay	lt gry-blue	<5	3	N	10	N	0	0	0	.5	0	-	vns are heavily oxidized	LNRD-407		
192	194	-.-.-						ARG/SS	?	blk	<2	2-3	N	0	N	0	0	0	0	0	0	black graphitic argillite w/ phyllitic foliation	LNRD-407		
194	200	-.-.-						ZS/SS	phyll & clay	lt blue/gry	<5	2	N	0	N	<.5	0	Tr	.5-.7	0	0	becoming less fract'd to the north	LNRD-407		
200	202	-.-.-						BX'D ZS/SS	phyll & clay	lt gry-blue	<6	2	N	5-8	N	0	0	0	.5-.7	Tr	0	py is found along vnlts and some fracts; this zone was sampled and combined with #407	LNRD-407		
202	210	till						till																	
210	211	+ +						BFP	phyll & clay	lt gry-blue	<5	2	N	-	N	.5	-	-	.7	-	-	cp is in specks along fracts;	LNRD-406		
211	213	- -						ZS	phyll & clay	lt gry	<5	2	N	-	N	<.5	-	-	<.5	-	-		LNRD-406		
213	214	+ +						BX'D BFP	phyll & clay	lt gry-blue	<5	2-3	N	-	N	.5	-	-	.5-.7	-*	-	contains minor ZS frags; this 4 m interval appears to be 2 BFP dykes intruding ZS along a contact trending 314 degrees;	LNRD-406		
214	220	till						till																	
220	228	till						till																	
228	229	- -						ZS	minor clay	dk gry/blue	<5	2	N	2-3	N	0	0	0	0-tr	.5	-	massive; not too rusty	LNRD-405		
229	230	till						till																	
230	232	- -	207	76				ZS	minor clay	dk gry	<5	1-2	N	2	N	0	0	0	<.3	0	-	massive ZS; a few veins	LNRD-404		
232	238	till						till														sample taken at 231 m just above bdrx	LNRD-507		
238	240	+ +						BFP	phyll & clay	lt gry/bl	5	1-2	N	0	N	0	0	0	1	0	<.5	primary bio increases to the north	LNRD-404		
240	242	+ +						BFP	phyll & clay	lt gry/bl	5	1-2	N	0	N	0	0	0	1	0	<.5		LNRD-403		
242	246	- -						SS	phyll & clay	lt bl/gry	<5	2	N	3	N	0	0	0	0	0	-	no visible py; contact w/ BFP is covered; massive w/ few vns	LNRD-403		
246	250	till						till																	
250	251	till						till																	
251	259	-.-.	350	90	75	74		ZS/SS	phyll & clay	lt gry/bl	5	2	N	1-2	N	0	0	0	1.2	0	-	coarse and fine grained seds; blebs of py in fracts and vnlts	LNRD-402		
259	260	till						till																	
260	264	till						till																	

TRENCH LNRD (N OF TR-4) OCT 22/00
Orientation/length: S-N/280 m

Location:
N. Zone, west of MO-21

Date: October 1999, Logged By: E. O'Brien and [illegible] O'CP. [illegible]age 4 o[illegible]

Visual								Descriptive																Assays		
From m	To m	ROCK	strike	dip	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %		Description	Sample No	Cu %	Au g/t
264	270	+ +						BFP	phyll & clay	med gry	5	1-2	N	1-2	N	0	0	0	1-1.2	0	<.5			LNRD-401		
270	280	+ +	85	90	20	80		BFP	K-silic	dk gry	6-7	1-2	N	2-3	N	0	0	0	<.5	0	1-.5		some 2nd bio; py & silic decrease to the north; primary bio increases to the north	LNRD-400		

TRENCH LNRD (S OF TR-4) OCT 20- 25/00
Orientation/length: N-S-338-920 m

Location:
N. Zone, west of MO-21

Date: October 1999, Logged By: E. O'Brien and T.O'CP. Page 1 of
CHRIS SAMPSON

Visual									Descriptive																Assays		
From m	To m	ROCK		strike	dip	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %	Description	Sample No.	Cu %	Au
328	334	+ +							BFP	phyl, wk arg	lt gry-buff	5	1 - 3	n	<5	n	tr.	n	n	1	<1	n	Trench doglegs off of TR-4. Part of this interval was not trenched down to bedrock. Matrix of rock is alt'd to ser, bio's have alt'd to ser. F/s alt'd to clay partially. Few specks of cp, py on fracts. Till at 200 cm depth, collected above b/r @ 333 m.	LNRD 371 LNRD 501		
335	347																						Not trenched - used as an access trail.			
347	395	O/B							COLLUV														Layered sand, colluvium and glaciofluvial sediments.	NO SMPL		
395	403	+ +	grab						BFP	phyl, wk arg	lt gry	5	2-3	n	<5	n	0	0	0	1	<1		Grab samples of subcrop, colluvium. Large boulders mainly BFP. Some exotics (not sampled). Specks of py. K alt'd BFP has 1% f.d. Cpy (probably float - large SR-SA boulder)	LNRD 372		
403	405	+ +	grab						BFP	K	dk gry	6	1-2	n	<5	n	1	0	0	0.5	<1			GRAB		
405	431.5	O/B							COLLUV														Sandy colluvium and glaciofluvial sediments showing evidence of channilzed flow. NO BEDROCK.	NO SMPL		
431.5	434	+ +							BFP	K?	orange	5-6	4	n	<5	n	0	n	n	1?	n	3+	Sample is very weathered but with fresh bio xals. Not pervasive, so possibly phyl alt'd locally.	LNRD 373		
432	432	O/B							TILL														Till is collected over large boulder of BFP b/r.	LNRD 503		
432	460	O/B							COLLUV														Thick deposits of colluvium and glaciofluvial. At 460 m, ledge drops down with bedrock exposed at approx. 250 - 300 cm depth.	NO SMPL		
460	465	ZST		220	85				ZST	K?	med - dk gry	4	1-2	n	2-3	v. wk loc.	0	n	low	0	1	0	Grain size is slightly coarser than typically observed.	LNRD 374		
465	470	O/B							TILL														Till with large boulders of BFP	NO SMPL		
470	475	ZST							ZST	K? or unalt'd	med gry	4	1	n	3-5	n	n	n	n	n	3	n	Discontinuous carb veins. ZST is powdery with slicks and sheen. Gouged and fract'd. Locally clay alt'd.	LNRD 375		
475	483	ZST							ZST	K? or unalt'd	med - dk gry	4	1-2	n	1-2	n	n	n	n	n	n	n	ZST has microfracts. Falls apart and is much softer than typically obs.	LNRD 376		
483	485	BFP							BFP	phyl	lt gry	1-3	n	n	1-2	n	.6 - .8	n	n	2-3	n	2-3	Locally weakly weathered, but mainly moderatly weatered.	LNRD 376		
485	491	BFP		80	80				BFP	phyl-arg	lt gry - wht	5	1-3	n	2	n	n	n	n	<1	n	o	Wethered quite deeply. <1% py, no cp?	LNRD 377		
491	492.5	GOS							GOSSAN	arg - phyl	wht - lt. Gry	4	3	n	3-4	n	2	n	tr.	4	n	n	Gobs of cpy, some on fractures. Hand samples collected.	LNRD 377		

TRENCH LNRD (S OF TR-4) OCT 20-25/00
Orientation/length: N-S-338-920 m

Location:
N. Zone, west of MO-21

Date: October 1999, Logged By: E. O'Brien and T.O'C.

Visual									Descriptive															Assays		
From m	To m	ROCK		strike	dip	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %	Description	Sample No.	Cu %	Au g/t
486	492.5	BFP							BFP w/ GOS	as above													Trench was deepened and resampled by D. Addison.	LNRD 383		
492.5	493.5	BFP							BFP	phyl - arg	lt. Gry	5	2- 2.5	n	<5	n	n	n	n	1	<1	n	Deepened to about 400 cm. Py on fracts in BFP	LNRD 384		
493.5	499	ZST							ZST	K? / clay	med - dk gry	3	1-1.5	n	<5	n	n	n	n	n	1	n	ZST is quite coarse and could be a fine grained SST. It is clay alt'd with carb veins. Visible layering.	LNRD 384		
497	497	O/B							TILL														Excellent till collected right above b/r at about 400 cm depth.	LNRD 506		
498	498	O/B							TILL														175 to 200 cm of A-SR large pebbles and cobbles over good till. Sample collected at 225-250 cm cm depth	LNRD 504		
498	505	O/B							O/B														Thick overburden.	NO SMPL		
505	515	O/B							O/B															NO SMPL		
515	525	O/B	grabs						O/B														Grab sample collected in this interval from trenched up clasts. Most samples are oxidized, with some mal, cpy in alt'd BFP.	LNRD 376 GRABS		
520		COL	125 cm						COLLUV	40% SA-SR clasts in a coarse sand, oxidized matrix. Downslope fabric.													Quaternary stratigraphic sec'n.			
		S	225 cm						SAND	Laminated sand, dipping down slope at approximately 145/30.														NO SMPL		
	520	D.F	300 cm						DEBRIS FLOW	Flow or washed till. Very sandy with low silt and no clay content. Downslope layering.																
525	540	O/B																					Cross IP line 1525 N, 2125 E at 538 m. No trenching until 539 m.	NO SMPL		
540	555	O/B							O/B	Grab spls are weakly min'd. Inc. boulder of brecciated gossanous BFP.													Boulder is very rusty and likely not far travelled.			
										Matrix of BFP is dk grey (qz and py?). In matrix are angular fragments of cherty ZST.																
555	565	O/B							O/B	At 555 m, thick colluvium/ Fg with SA cobbles and boulders in a sandy matrix.													At 565 coll. (200 cm depth or more) is underlain by very fine, laminated sand and silt.	NO SMPL		
565	570	- - -							ZST	clay, K?	med - dk bl gry	3	2-3.5	n	3-5	n	n	n	n	1-2	tr	n	Probably coarser grained than typical ZST. Some microfractures with py vns/ stringers. Mod. Clay alt'n locally. Mod strong oxid. Loc.			
570	620	O/B							O/B	200+ cm of SA-SR boulders & pebbles w/ sand over 100 cm of clay/silt													No till.	NO SMPL		
621	621	O/B							TILL	0-100 cm is coll. till, 100-200 is loose till with sand lenses. 200-300 is till.													Very good, hard till. Cp content in float decreases	LNRD 505		
625	775	O/B							O/B	Similar stratigraphy as above. Sample collected every 10 m.																
625	625	O/B							TILL														Excellent basal till. 270 cm.	LNRD 522		

TRENCH LNRD (S OF TR-4) OCT 20- 25/00 | Location: | Date: October 1999, Logged By: E. O'Brien and T.O'C?.

Orientation/length: N-S-338-920 m | N. Zone, west of MO-21

Visual								Descriptive															Assays		
From m	To m	ROCK	strike	dip	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinle 1%	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %	Description	Sample No.	Cu %	Au g/t
635	635	O/B						TILL														Very good, dense till, 250 cm depth.	LNRD 520		
645	645	O/B						TILL														Float with 2% py, <1% cp. Good till at 220 cm.	LNRD 521		
655	655	O/B						TILL														Very dense, good till. 350 cm depth.	LNRD 519		
662	663	GRAB						BFP	K	dk gry	7	1-3	0	0	0	1	0	hi	0	0	<1	Initially thought to be bedrock, but trench was deepened and revealed this to be a large boulder. Abundant mal on weathered surface.	LNRD 381		
666	666	O/B						TILL														Good silty diamicton.	LNRD 518		
666	675	O/B						TILL															NO SMPL		
675	678	+ + +						BFP	K	dk gry	3-5	.5 - 1.5	md	<4	m-low	.5 1.5	0	0	.5	<1	2	This rock may not be in situ, but good basal till lies above.	LNRD 435		
678	682	O/B						TILL														No bedrock	NO SMPL		
682	683	+ + +						BFP	K	dk gry, loc. Grn tinge	3-5	.5-1.5	md	<4	m-low	.5 1.5	0	0	.5	<1	2	Possibly some pyrrhotite. Too magnetic to measure fractures. Large, blocky fracts.	LNRD 435		
683	705	O/B						SAND & GRAVEL	No bedrock. Few lrge cobbles or boulders. 450 cm deep.														NO SMPL		
705	705	O/B						O/B	0-200 cm of well-sorted fine pebbles, slightly snadier top 40 cm. Imbriated downslope.																
								O/B	200 - 220 cm fine silt (lies adjacent to large BFP boulder. 220 300 till.													Till sampled.	LNRD 517		
705	707	O/B						O/B														AS above.	NO SMPL		
707	708.5	+ + +						BFP	K	mdm gry	5	.5	wk	<3	v. wk	.5 - .7	0	0	1.5-2	1	1.5-2	Discontinuous bedrock?? Could be large blocks of transported BFP??	LNRD 434		
708.5	712	O/B						SAND & GRAVEL	No bedrock. Poorly consolidated sand and gravel and cave.														NO SMPL		
712	715	+ + +						BFP	K	mdm gry	5	.5	wk	<3	v. wk	.5 - .7	0	0	1.5-2	1	1.5-2	Discontinuous bedrock?? Could be large blocks of transported BFP?? Masses of py> cpy, possibly pyrrhotite.	LNRD 434		
715	725	+ O/B +	30	90				Disc. BFP	K	mdm gry	5	.5	wk	2	wk	0.7 -1	0	0	1.5-2	1	1.5-2	Three ares probably BFP bedrock, suspect though and may be just large boulders. Competant but discontinuous. Py is in gobs, fine masses.	LNRD 433		
722	730	+ +						Disc. BFP	K	dk gry	6	<1	m-s	0	0	<1	0	0	3-5	<1	<1	Sampled before the trench was deepened. Likely bedrock. Peppered with f.d. py, some f.d. cpy and blebs.	LNRD 382		

Orientation/length: N-S-338-920 m

N. Zone, west of MO-21

Visual								Descriptive															Assays		
From m	To m	ROCK	strike	dip	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %	Description	Sample No.	Cu %	Au g/t
722	730	+ +						Disc. BFP	K	dk gry	6	<1	m-s	0	0	<1	0	0	3-5	<1	<1	Sampled before the trench was deepened. Likely bedrock. Peppered with f.d. py, some f.d. cpy and blebs.	LNRD 382		
725	733	+ +						BFP	K (phyl)	mdm gry	6	1	wk	2-3	0	1-1.5	0	low	1-1.3	<1	2-3	BFP is well min'd with fine masses to gobs of cp/pyrrh.Fine masses of bio. Cp mainly on fracts/vns. Poss. Aspy?	LNRD 432		
733	735	- - -						ZST	K phyl?	lt - mdm gry	4-5	<1	0	<2	0	0	0	low	0.5	<1	0	ZST as below except 734 m is a fractured/oxidized, brecciated zone with strong Fe Oxid, low mal.20 cm wide.	LNRD 432		
735	745		350	33				ZST	K phyl?	lt - mdm gry	4-5	<1	0	<2	0	0	0	0	0.5	<1	0	Py in veinlets and rare specks. Good rock exposure. Several quite broken-fractured areas, some with vns with strong Fe oxid.	LNRD 431		
745	747	- -	124	88	240	74		ZST	K? clay	dk bl gry	4	<1	0	<2	0	0	0	tr.	1	<1	0	ZST looks cherty but is not hard. Weak clay alt'n. Pu venlets and cp next to 2 cm oxid.gg	LNRD 430		
747	748	+ +	45	68	197	80		BFP	K	mdm gry	5-6	1.5	M	<5	0	tr. 0.3	0	0	2	<1	2		LNRD 430		
748	755	- - -			34	80		Disc. ZST	K-phyl	lt gry to v. lt tan	4	1-1.5	N	3	0	tr.	0	0	.5	<1	0	Discontinous ZST with till. ZST as above.	LNRD 430		
755	757	O/B						TILL															NO SMPL		
757	757.5	- - -						BX ZST	K?	med - dk gry	5	2	0	10	0	0	0	0	5	5	0	Masses of py and q veining	LNRD 436		
757.5	758	+ + +						BFP	phyl	ash grey	5	1	0	2	wk	.2	0	0	.5	0	0	Unusual color.	LNRD 436		
758	765	O/B						TILL														Spl collected at 764 m. Washed till / glaciofluvial overlies silt. Till at the base of the trench at 250 cm.	NO SMPL		
765	772	-.-.-.						SST w/ ZST	K phyl	lt gry	4	1	n	2-3	0	0	0	0	<1	<1	0	Mainly fine sst with minor zst interbeds locally. Specks of py.	LNRD 429		
772	775	O/B						TILL														Till collected at 775 m	LNRD 516		
775	785	O/B grabs						FLOAT	Grab spls from the base of the pit in basal till.													BFP is K with coarse py/cpy stringers. SST is K-phyl , unmin. ZST is unmin'd	LNRD 428 GRABS		
785	785	O/B						TILL	Collected at 425 cm depth. Deep overburden.														LNRD 515		
785	793	O/B grabs						FLOAT	Grabs collected from boulders, possibly caved in from the top of the trench.														LNRD 427 GRABS		
793	795	- - -						ZST	K?, clay	lt gry	4	1	0	2	0	0	0	0	0	1	0				

Orientation/length: N-S-338-920 m

N. Zone, west of MO-21

Visual								Descriptive															Assays		
From m	To m	ROCK	strike	dip	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %	Description	Sample No.	Cu %	Au g/t
795	797	+ + +						BFP	phly - clay	lt gry	4	1	0	0	3	<.5	0	0	.5	1	0	High grade float of BFP with thick vns filled with cp and born collected in float (in till).	LNRD 426		
797	805	O/B						TILL														Good basal till at 410 cm depth.	LNRD 514		
~~805~~	~~815~~	~~O/B~~ ADJOINS END OF TR8						GRABS														Grab samples of large rocks (cobbles) collected at the base of the pit. Phyl alt'd BFP, moderately weathered <1% 0.3% Cpy.	LNRD 425		
815	825	+ + +	350	90				BFP	K- phyl	lt - mdm gry	5	1.5-2	M-S	3	N-M	.3 - 1	0	0	2-2.5	1	2-3	Deep overburden over bedrock. F.d. py, minor cpy. Localy chl. Alt'n. Better mineralized when with chl/cb/q/ py vns.	LNRD 424		
824	824	O/B						TILL														Good till at 320 cm depth collected above bedrock. B/r is weakly min'd BFP	LNRD 524		
825	832	O/B																					NO SMPL		
832	835	+ + +						BFP	phyl and clay	lt - mdm gry	4-6	1-3	n	4-6	0	.8-1	0	0	.8-1	1	0		LNRD 423		
835	845	+++ +BX +++ +	183	56				BFP	phyl and clay	lt - mdm gry	4-6	1-3	n	4-6	0	.8-1	0	0	.8-1	1	0	0.3 to 0.5% AsPy. This interval includes a highly oxidized BFP bx'd zone with Py/AsPy/Cpy vns. Mo? Occurs locally? With Cp. Aspy also on fractures.	LNRD 422		
845	855	- - + + - + +						BFP w/ ZST zeno	phyl - clay	lt gry	5	1	0	3-4	n-w	.5	0	0	.5	1.5	0	ZST zenoliths. Contact with seds is covered. Very competant, irregular fractures	LNRD 421		
855	865	- - BX -	199	80				BX'D SEDS	phyl - clay	lt med gry	5-6	1-3	0	4-10	0	0 - 0.8	0	0	.5	tr	0	Heavily fractured, sheared zone with gouges and brecciation. Heavily oxidized. Cp near 855-857 m.	LNRD 420		
865	867	- - BX -	298	70	296	58		BX'D SEDS	phyl - clay	lt bl gry	5	2	0	5-8	0	0	0	0	tr	tr	0	ZST, SST	LNRD 419		
867	875	+ + +	209	74	43	40		BFP	phyl - clay	lt gry	4-5	1-2	0	3-4	n-w	0.8 - 1	0	0	1	tr	0	Grey, soft mineral associated w/ Cp (moly? Covellite? Graphite?). Cp is c.d. and some along fractures.	LNRD 419		
875	885	+ + +	139	68				BFP	phyl - clay	lt gry	4-5	1-2	0	3	n-w	0.8	0	0	.8-1	2	0	Cp is c.d. and along rare fracts	LNRD 418		
885	891	+ + +	89	78	120	90		BFP	phyl - clay	lt gry	5	1-2	0	2-3	0	0.5-1	0	tr.	.5	tr	0	Cp is c.d. and along fracts/vnltes. F/s alt'd to clay	LNRD 417		
891	895	- - -	99	58	162	84		BX'D ZST	phyl - clay	lt bl or gry	3-4	2-3	0	3	0	0	0	0	tr	tr	0	Heavily fractured, ZST, includes wacke.	LNRD 417		

TRENCH LNRD (S OF TR-4) OCT 20- 25/00 Location: Date: October 1999, Logged By: E. O'Brien and T.O'CP.

Orientation/length: N-S-338-920 m N. Zone, west of MO-21

Visual								Descriptive																	Assays		
From m	To m	ROCK	strike	dip	strike	dip	VEINS	Lithol	Alt'n	Color	Hard	Weath	Mag	Veinlet %	Cl	Cp %	Bn %	Mal	Py %	Ca/Cb %	Bio %	Description	Sample No.	Cu %	Au g/t
895	899	- - -						ZST	wk K, clay	lt gry	4	1-1.5	0	1	0	0	0	0	0	tr	0		LNRD 416		
899	905	+ + +						BFP	phyl, arg, wk	lt gry	3	2	0	0	0	0	0	0	2-3	<1	0	Bleached light gry	LNRD 416		
905	915	+ + +	73 205	64 31	325 281	88 74		BFP	phyl - arg	lt gry	5-6	2	0	<3	0	tr	0	0	3	<1	0	Very crowded texture of f/s alt'd to kaol. Locally gouged with heavy oxid and py stringers.	LNRD 415		
915	920	+ + +						BFP	phyl - arg	lt gry	5	1-2	0	<3	0	tr	0	0	3	0	0	END OF TRENCH!! Joins on to main access road. Minor py on vns and fractures.	LNRD 414		

ACM. ANALY...L LA..ATC...S L. E. ...TIN ST. ...COU... BC 1R F)(6(53-(FA(4)2' 716(

(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A004456 Page 1

10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: Erin O'Brien

SAMPLE#	Note	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** gm/mt	Sample lb
TR-4-360		2	455	15	90	.6	34	23	354	3.28	326	<8	<2	2	24	.8	4	<3	71	.14	.048	10	34	.17	558	.03	4	1.02	.01	.27	<2	.02	3
TR-4-361		2	135	5	34	<.3	36	14	406	4.51	65	<8	<2	<2	52	.2	<3	<3	76	.58	.049	10	38	.47	276	.05	8	2.58	.15	.40	2	.01	14
TR-4-362		2	1263	6	88	1.3	58	33	321	3.62	323	<8	<2	3	45	.3	<3	<3	68	.49	.091	15	40	.52	314	.03	6	1.51	.07	.34	<2	.02	11
TR-4-363		3	419	5	61	.3	51	17	284	3.68	73	<8	<2	3	36	.4	<3	<3	94	.51	.110	17	57	.84	370	.11	6	1.27	.04	.62	<2	.01	7
TR-4-364	TR	2	984	7	82	1.1	58	24	394	3.47	237	<8	<2	2	46	.5	<3	<3	64	1.36	.078	13	53	.34	244	<.01	4	.62	.01	.11	<2	.01	3
TR-4-365		2	232	5	39	<.3	55	23	221	6.00	13	<8	<2	4	117	.2	<3	<3	145	1.10	.145	15	97	2.46	202	.16	5	3.48	.32	1.32	2	.04	3
TR-4-366	4	3	584	12	102	.7	58	26	419	4.49	377	<8	<2	3	41	.6	<3	<3	87	.92	.087	18	66	.83	154	.05	3	1.11	.02	.35	<2	.04	6
TR-4-367		3	5086	98	583	42.2	47	89	4729	6.57	3353	<8	<2	<2	22	4.6	26	18	31	.21	.066	11	16	.10	287	<.01	6	.75	.01	.32	2	1.13	17
TR-4-368		3	6985	106	551	46.2	57	87	4027	8.29	1803	<8	<2	3	27	3.3	33	6	82	.37	.076	18	64	.51	182	.02	4	.82	.01	.27	<2	.43	21
TR-4-369		2	264	5	61	.4	59	22	365	4.14	113	<8	<2	2	32	.3	<3	<3	92	.36	.086	13	76	1.05	309	.09	3	1.89	.07	.64	<2	.01	22
TR-4-370		3	261	18	143	.5	47	24	860	5.73	185	<8	<2	4	26	1.4	7	<3	83	.49	.132	21	44	.16	276	<.01	3	.69	<.01	.09	<2	.02	20
TR-4-500		4	770	11	75	.9	61	31	447	4.10	385	<8	<2	3	43	.4	<3	<3	66	.38	.083	15	49	.27	312	.02	3	.80	.01	.15	2	.03	15
TR-8-391		8	769	38	202	1.2	44	34	416	5.59	294	<8	<2	3	24	.8	<3	<3	62	.60	.147	12	31	.13	115	<.01	4	.75	.01	.12	<2	.01	11
LNRD-371		2	136	7	50	<.3	57	21	429	4.88	141	<8	<2	3	52	.4	<3	4	97	1.57	.144	23	47	.48	301	<.01	4	.80	.01	.08	<2	<.01	4
LNRD-372		3	304	5	50	.3	41	14	327	4.69	28	<8	<2	3	39	.3	<3	<3	77	.71	.113	25	50	.77	324	.05	4	1.12	.02	.30	<2	.01	3
LNRD-373	N. sect	4	393	10	81	<.3	57	22	369	4.88	89	<8	<2	4	38	.5	<3	<3	98	.52	.144	23	48	.44	379	.03	3	.80	.05	.19	2	.01	4
LNRD-374		1	366	<3	27	<.3	23	12	103	1.22	119	<8	<2	2	34	.5	<3	<3	22	.08	.012	11	12	.08	304	<.01	<3	.69	.02	.17	<2	.01	12
LNRD-375		1	100	<3	21	<.3	58	18	270	2.38	57	<8	<2	2	16	.4	<3	<3	42	.12	.012	14	16	.24	135	<.01	<3	1.15	.03	.22	<2	<.01	5
RE LNRD-375		1	99	<3	20	<.3	57	18	272	2.41	58	<8	<2	2	16	.4	<3	<3	41	.12	.012	14	16	.24	133	<.01	<3	1.15	.04	.22	<2	<.01	-
LNRD-376		4	482	6	62	<.3	44	31	451	4.66	234	<8	<2	3	32	.2	<3	<3	84	.43	.120	22	34	.64	365	.06	3	1.12	.04	.43	2	.03	13
LNRD-377		6	1819	33	187	3.7	45	62	705	6.19	1243	<8	<2	3	21	.9	<3	<3	108	.51	.156	23	38	.14	361	<.01	4	.70	<.01	.08	<2	.36	15
LNRD-378		6	2528	10	116	1.4	53	28	368	3.56	292	<8	<2	3	40	.5	<3	<3	93	.76	.116	16	77	.95	388	.09	4	1.24	.03	.42	3	.09	4
LNRD-379		3	501	10	65	1.1	51	19	232	3.70	65	<8	<2	3	34	.5	<3	<3	61	.60	.093	8	54	.83	110	.05	<3	.98	.04	.17	<2	.04	5
LNRD-380	N Sect	3	245	4	23	<.3	41	26	263	5.28	53	<8	<2	<2	71	.2	4	<3	32	.12	.014	6	13	.06	247	<.01	<3	.58	.04	.11	<2	.01	6
LNRD-381		5	5394	13	225	5.0	52	26	262	4.39	281	<8	<2	5	24	.7	<3	<3	88	.44	.149	7	82	1.74	180	.04	4	2.05	.04	.36	<2	.07	2
LNRD-382		3	785	33	144	.9	61	31	272	5.87	267	<8	<2	3	24	.7	<3	<3	125	.53	.139	13	109	2.29	130	.14	<3	2.33	.05	.55	2	.01	5
LNRD-383	N sect	6	617	11	118	.7	48	56	789	5.83	280	<8	<2	3	27	.3	<3	<3	101	.61	.141	21	40	.24	213	<.01	<3	.72	<.01	.07	<2	.08	6
LNRD-384		3	363	4	63	<.3	41	31	450	3.91	113	<8	<2	2	23	.4	<3	<3	35	.25	.045	11	15	.10	164	<.01	<3	.57	.02	.12	<2	.01	7
LNRD-389		2	190	6	37	<.3	32	24	376	4.95	106	<8	<2	2	49	.2	<3	<3	79	.52	.071	13	47	.85	245	.03	3	1.58	.07	.34	<2	.02	15
LNRD-390		2	190	7	65	<.3	40	18	509	4.39	118	<8	<2	2	33	.5	<3	<3	65	.68	.102	15	28	.22	170	<.01	4	.95	.03	.09	<2	.01	16
LNRD-392	S sect	3	1132	105	377	2.5	49	37	1323	5.46	926	<8	<2	2	27	2.7	21	7	73	.40	.093	22	47	.18	313	<.01	3	.69	<.01	.10	<2	.11	15
LNRD-393		3	376	13	80	.3	54	17	458	5.54	164	<8	<2	4	38	.4	<3	3	97	.81	.145	25	67	.87	165	.01	3	1.44	.01	.13	<2	.03	13
LNRD-394		3	249	10	72	<.3	36	22	588	4.57	176	<8	<2	2	30	.4	<3	<3	72	.44	.089	16	25	.32	228	.01	<3	1.11	.01	.18	<2	.01	19
LNRD-395		2	163	5	38	<.3	20	18	866	4.21	71	<8	<2	<2	30	.2	<3	<3	40	.27	.055	12	11	.34	250	.01	4	1.27	.05	.17	<2	<.01	11
STANDARD C3/AU-1		27	71	36	166	5.5	36	12	787	3.35	60	24	2	21	29	25.2	16	23	82	.58	.096	21	175	.61	159	.09	24	1.84	.04	.16	15	3.62	-
STANDARD G-2		1	5	3	43	<.3	7	4	531	1.98	<2	<8	<2	4	68	.2	<3	<3	41	.64	.101	10	77	.60	227	.13	<3	.89	.07	.46	2	-	-

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK R150 60C AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 1 2000 **DATE REPORT MAILED:** Nov 15/00 **SIGNED BY** ....D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ✓

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** gm/mt	Sample lb
LNRD-396	2	487	25	87	1.3	42	27	506	3.93	487	<8	<2	2	29	.4	5	4	41	.14	.046	9	21	.26	187	.02	3	1.11	.02	.38	<2	.04	11
LNRD-397	3	154	25	96	.4	49	12	461	5.14	202	<8	<2	3	49	.6	<3	<3	97	.72	.119	19	80	1.59	466	.11	6	1.93	.05	.51	<2	.01	6
LNRD-398	3	933	100	292	2.4	38	20	2892	4.50	537	<8	<2	<2	32	1.6	18	<3	51	.81	.038	11	40	.32	323	<.01	7	.62	.02	.23	2	.03	14
LNRD-399	3	1274	12	101	1.8	61	55	274	5.14	989	<8	<2	3	31	.4	<3	<3	115	.57	.142	21	97	1.75	151	.10	4	1.85	.06	.62	<2	.02	5
LNRD-400	3	112	5	36	<.3	32	17	371	4.42	183	<8	<2	3	93	.2	<3	<3	88	.68	.106	21	59	1.09	296	.07	4	1.92	.12	.67	2	.06	12
LNRD-401	3	82	7	44	<.3	45	16	355	4.73	114	<8	<2	6	52	.2	<3	<3	89	.59	.138	25	95	1.62	189	.07	4	2.10	.09	.50	<2	.01	12
LNRD-402	3	88	6	38	<.3	28	22	359	4.68	147	<8	<2	3	157	.2	<3	<3	123	1.43	.091	17	48	1.03	245	.05	4	3.04	.36	.45	2	.01	6
LNRD-403	2	45	3	40	<.3	52	23	545	5.15	46	<8	<2	2	23	.2	<3	<3	59	.20	.054	12	33	.67	194	.02	<3	2.20	.05	.19	<2	.01	6
LNRD-404	2	77	6	46	<.3	32	15	527	5.03	93	<8	<2	2	33	.3	<3	<3	85	.35	.103	13	39	.75	216	.02	4	1.82	.06	.12	2	.02	5
LNRD-405 N	<1	15	<3	45	<.3	13	39	1139	5.73	34	<8	<2	<2	24	.2	<3	<3	34	.14	.024	13	8	.74	197	.03	<3	2.38	.05	.21	<2	<.01	2
LNRD-406 Sect	3	297	5	41	<.3	29	17	368	4.45	143	<8	<2	3	88	.2	<3	<3	100	.71	.091	17	50	1.07	319	.06	3	2.04	.16	.48	2	.01	3
LNRD-407	2	455	110	149	2.1	19	73	621	3.25	1119	<8	<2	<2	96	.6	8	19	58	.77	.078	10	10	.30	437	.01	5	1.97	.19	.28	<2	1.15	17
LNRD-408	2	117	9	46	<.3	21	23	372	4.39	173	<8	<2	<2	32	.4	<3	<3	45	.33	.059	7	9	.08	136	<.01	<3	.95	.04	.16	<2	.05	7
LNRD-409	2	201	9	52	<.3	52	25	376	5.11	697	<8	<2	3	46	.2	<3	6	112	.73	.144	23	80	1.56	312	.11	4	1.64	.06	.69	<2	.01	4
LNRD-411	2	252	6	61	<.3	53	30	355	5.23	648	<8	<2	3	63	.2	<3	5	107	.67	.152	24	66	1.57	328	.11	3	2.10	.13	.69	2	.03	3
LNRD-412	2	54	4	24	<.3	35	16	264	2.24	89	<8	<2	<2	15	.4	<3	<3	11	.09	.029	9	7	.10	236	<.01	<3	.58	.02	.23	<2	.01	4
LNRD-413	4	356	383	937	5.5	7	16	39	3.77	33	<8	<2	2	8	4.8	<3	4	2	.21	.011	2	23	.02	70	<.01	16	.24	.01	.16	8	.19	6
LNRD-414	3	549	39	856	1.6	53	20	1058	5.72	539	<8	<2	4	25	3.5	3	5	63	.54	.157	18	42	.74	169	.01	5	1.28	.02	.23	<2	.04	4
LNRD-415	3	409	23	618	.6	63	40	773	5.00	134	<8	<2	4	24	2.6	<3	<3	90	.51	.161	22	71	1.55	233	.02	4	1.85	.03	.22	3	.01	5
RE LNRD-415	3	395	22	614	.6	63	40	751	4.88	128	<8	<2	4	24	2.7	<3	<3	87	.49	.160	22	70	1.51	230	.02	3	1.78	.03	.21	2	.01	-
LNRD-416	3	132	20	383	.3	37	26	436	5.53	23	<8	<2	2	21	1.4	<3	<3	51	.24	.093	13	19	.35	79	<.01	4	.90	.02	.17	<2	<.01	7
LNRD-417	12	569	43	405	.7	37	23	513	3.37	195	<8	<2	3	26	2.2	<3	<3	70	1.01	.122	13	52	.83	291	.11	3	1.01	.03	.53	2	.01	14
LNRD-418	2	130	117	452	.7	39	13	1014	4.01	49	<8	<2	3	38	2.2	<3	<3	49	1.65	.142	19	22	.24	374	<.01	5	.61	<.01	.12	<2	.01	5
LNRD-419	3	555	54	260	1.2	31	47	859	10.26	122	<8	<2	3	40	1.9	<3	5	61	.89	.089	12	25	.33	41	<.01	<3	.89	.05	.15	2	.01	6
LNRD-420	3	368	58	509	1.8	42	61	588	6.16	488	<8	<2	<2	17	3.0	5	3	44	.35	.072	10	9	.06	51	<.01	3	.61	.01	.16	<2	.01	4
LNRD-421 S	2	160	98	371	.5	24	18	1115	6.44	28	<8	<2	2	38	1.7	<3	<3	113	1.26	.073	10	22	1.03	192	.04	5	1.77	.01	.57	2	.01	4
LNRD-422	3	130	115	280	1.1	53	18	1561	3.72	58	<8	<2	3	40	1.6	<3	<3	52	1.18	.122	11	30	.22	115	<.01	5	.56	<.01	.10	<2	<.01	4
LNRD-423 Sect	3	292	61	314	.7	50	14	1111	4.04	42	<8	<2	3	39	1.5	<3	<3	57	.97	.123	14	35	.31	166	<.01	4	.62	.01	.13	2	.01	3
LNRD-424	8	1819	16	261	2.5	38	16	316	4.09	55	<8	<2	5	42	1.4	<3	<3	92	.79	.123	9	61	1.45	134	.08	3	1.59	.04	.34	<2	.06	5
LNRD-425	3	1004	10	164	1.1	47	25	329	4.61	196	<8	<2	3	51	.9	<3	<3	89	1.21	.140	15	57	.88	143	.08	4	1.07	.03	.38	2	.04	3
LNRD-426	1	181	46	376	.6	70	23	499	4.88	17	<8	<2	2	28	1.6	<3	<3	51	.58	.063	8	35	.84	132	.01	3	1.59	.03	.22	<2	.01	4
LNRD-427	20	1628	30	124	1.2	19	21	256	3.57	36	<8	<2	<2	23	.6	<3	<3	144	.28	.048	7	16	1.09	251	.12	4	1.45	.06	.76	2	.05	4
LNRD-428	4	1224	9	87	1.2	77	27	187	6.50	31	<8	<2	3	39	.4	<3	<3	107	.53	.104	7	92	1.81	68	.21	<3	2.18	.12	.79	<2	.08	3
LNRD-429	1	145	3	30	<.3	33	14	121	3.00	20	<8	<2	2	14	.2	<3	<3	40	.13	.026	14	23	.46	132	.01	3	1.39	.06	.22	<2	<.01	5
LNRD-430	2	620	20	171	1.9	39	16	205	2.67	276	<8	<2	2	21	.8	5	<3	47	.29	.091	11	26	.71	235	.01	3	1.32	.03	.45	<2	.01	6
STANDARD C3/AU-1	27	72	36	171	5.4	36	11	787	3.31	61	24	2	20	29	25.1	16	23	81	.59	.096	19	177	.62	159	.09	25	1.85	.04	.16	15	3.71	-
STANDARD G-2	2	3	<3	44	<.3	7	3	525	1.96	<2	<8	<2	4	67	.2	<3	<3	39	.63	.100	9	78	.59	227	.13	<3	.89	.07	.45	3	-	-

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

Data ___ FA ___

ACME ANALYTICAL

Pacific Booker Inc. PROJECT MORRISON FILE # A004456

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au** gm/mt	Sample lb
LNRD-431	1	153	9	81	.3	44	23	208	2.18	223	<8	<2	2	21	<.2	<3	<3	27	.22	.048	17	23	.66	208	.01	5	1.35	.04	.43	<2	.01	7
LNRD-432	2	593	35	136	.8	60	24	390	4.51	206	<8	<2	2	23	.4	<3	<3	86	.40	.109	10	78	1.59	173	.07	3	1.94	.03	.54	<2	.01	6
LNRD-433	2	963	12	199	1.5	59	22	270	5.09	148	<8	<2	3	26	.6	<3	<3	117	.55	.142	17	76	1.91	83	.11	3	2.05	.06	.73	2	.03	5
LNRD-434	30	571	8	119	1.0	33	42	301	4.05	648	<8	<2	3	25	<.2	<3	<3	115	.40	.130	11	74	1.97	318	.13	<3	2.01	.05	.74	<2	.04	3
LNRD-435	3	904	18	98	.9	60	73	303	4.29	821	<8	<2	3	39	<.2	<3	<3	107	.95	.140	11	90	1.75	199	.12	<3	1.69	.06	.72	2	.03	6
LNRD-436	4	455	13	124	.7	81	39	279	5.31	585	<8	<2	2	48	.2	<3	<3	65	.75	.196	15	53	.71	142	.02	3	.81	.03	.26	<2	<.01	3
RE LNRD-436	4	486	12	125	.7	82	41	288	5.47	602	<8	<2	2	50	.3	<3	<3	65	.78	.200	17	54	.73	153	.02	4	.84	.03	.27	<2	.05	-

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

Data ___ FA ___

ACME ANALYTICAL LABORATORIES LTD. [illegible] E. HASTINGS ST. [illegible]COUV[illegible] BC [illegible] 1R[illegible] [illegible](60[illegible] 53-[illegible] FA[illegible] 4)2[illegible] 1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Pacific Booker Inc. PROJECT MORRISON File # A004457

10th Floor - Princess Bui, Vancouver BC V6B 4W4 Submitted by: Erin O'Brien

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
TR-4-501	5	1030	19	107	.7	51	36	707	4.34	379	<8	<2	4	36	.4	<3	<3	73	.39	.107	19	38	.52	185	.05	3	1.13	.03	.17	<2	106.6
LNRD-502	2	185	16	113	<.3	44	18	1082	3.31	114	<8	<2	2	29	.4	<3	<3	55	.29	.080	12	24	.33	225	.03	3	1.00	.02	.08	<2	10.3
LNRD-503	4	859	30	129	<.3	53	42	685	4.14	554	<8	<2	3	24	.4	4	<3	69	.33	.108	18	32	.45	172	.04	<3	.92	.02	.11	<2	86.5
LNRD-504	3	804	12	106	<.3	43	42	932	3.15	305	<8	<2	2	28	.3	<3	<3	50	.27	.077	10	21	.29	251	.03	3	.84	.02	.06	<2	46.4
LNRD-505	3	145	13	113	<.3	52	19	1309	3.14	39	<8	<2	2	43	.6	<3	<3	56	.46	.073	9	26	.38	316	.04	4	1.23	.03	.10	<2	6.8
LNRD-506	2	196	14	90	<.3	45	19	971	3.00	75	<8	<2	3	39	.3	<3	<3	54	.35	.077	10	23	.33	217	.05	3	1.13	.03	.09	<2	8.9
LNRD-507	2	78	10	88	<.3	56	22	1286	3.37	53	<8	<2	3	34	.2	<3	<3	62	.39	.086	13	31	.48	221	.04	3	1.23	.02	.09	<2	10.0
LNRD-508	6	105	12	106	<.3	44	18	746	3.20	69	<8	<2	2	24	.3	<3	<3	53	.26	.070	11	23	.36	156	.04	4	1.00	.01	.07	<2	6.7
LNRD-509	1	36	9	82	<.3	35	12	618	2.88	16	<8	<2	2	51	<.2	<3	<3	51	1.00	.069	8	23	.55	257	.03	4	1.13	.02	.09	<2	6.6
LNRD-510	1	60	10	107	<.3	41	14	888	3.05	35	<8	<2	2	38	.4	<3	<3	50	.95	.071	9	21	.33	232	.04	4	.93	.02	.07	<2	8.1
RE LNRD-510	1	60	11	108	<.3	43	14	900	3.07	36	<8	<2	2	39	.3	<3	<3	52	.96	.071	9	21	.33	238	.04	4	.95	.02	.08	<2	3.6
LNRD-511	5	241	15	104	<.3	49	19	1153	3.52	54	<8	<2	2	35	.3	<3	3	65	.36	.081	13	31	.51	264	.06	3	1.31	.02	.09	<2	34.0
LNRD-512	3	443	22	120	<.3	44	24	745	3.69	227	<8	<2	3	27	.3	<3	3	63	.36	.091	19	34	.54	155	.05	<3	1.07	.02	.09	<2	32.8
LNRD-513	4	826	27	370	.5	33	48	1142	3.44	391	<8	<2	2	22	.6	5	<3	52	.21	.077	12	23	.37	231	.04	<3	1.00	.02	.06	<2	36.1
LNRD-514	4	323	9	118	<.3	36	14	800	2.90	38	<8	<2	3	40	.5	<3	<3	55	.36	.080	10	22	.33	202	.05	3	1.06	.02	.08	<2	7.0
LNRD-515	4	378	13	157	<.3	56	18	846	3.35	65	<8	<2	3	33	.6	<3	<3	56	.32	.080	10	23	.32	272	.04	3	1.04	.02	.08	<2	8.7
LNRD-516	5	542	10	114	<.3	41	20	758	3.16	86	<8	<2	2	30	.3	<3	<3	48	.29	.070	11	20	.32	251	.04	3	.91	.02	.08	<2	301.4
LNRD-517	9	926	14	124	.3	52	26	771	4.47	87	<8	<2	4	43	.3	<3	<3	90	.46	.104	20	56	.94	205	.12	<3	1.66	.03	.23	<2	22.9
LNRD-518	9	538	10	107	<.3	44	17	691	3.20	72	<8	<2	3	31	.4	<3	<3	66	.38	.091	9	37	.60	255	.08	<3	1.04	.02	.12	<2	17.9
LNRD-519	11	515	17	104	<.3	45	21	1087	3.27	72	<8	<2	3	34	.3	<3	<3	61	.34	.083	11	28	.42	252	.05	<3	1.06	.02	.08	<2	14.8
LNRD-520	4	211	11	109	<.3	49	17	871	3.21	38	<8	<2	2	61	.3	<3	<3	58	1.12	.074	10	28	.55	246	.04	5	1.39	.03	.13	<2	5.5
LNRD-521	6	318	14	110	<.3	49	19	1042	3.33	29	<8	<2	2	49	.5	<3	<3	59	1.07	.076	10	26	.43	240	.04	4	1.26	.03	.11	<2	6.0
LNRD-522	2	168	13	133	<.3	53	20	1064	3.36	33	<8	<2	2	60	.7	<3	<3	62	1.34	.075	9	32	.62	305	.03	4	1.43	.02	.12	<2	4.7
LNRD-523	5	900	11	136	.4	42	25	843	3.24	98	<8	<2	2	30	.5	<3	<3	53	.32	.084	10	23	.36	147	.04	<3	.93	.02	.08	<2	12.6
LNRD-524	4	701	17	205	<.3	36	31	703	3.23	233	<8	<2	2	30	.7	<3	<3	52	.32	.086	12	24	.37	150	.04	<3	.91	.02	.08	<2	24.5
STANDARD DS2	15	129	30	151	.3	36	11	798	2.98	58	21	<2	4	26	10.6	9	12	75	.50	.089	15	152	.58	142	.09	<3	1.61	.04	.15	7	198.5

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
UPPER LIMITS - AG, AU, HG, W = 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 AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm)
<u>Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.</u>

DATE RECEIVED: NOV 1 2000 **DATE REPORT MAILED:** Nov 15/00 **SIGNED BY**............D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ___ FA ___

APPENDIX C

C) Petrographic Reports: Vancouver Petrographics

CHRIS SAMPSON'S COPY

Vancouver Petrographics Ltd.

8080 GLOVER ROAD, LANGLEY, B.C. V1M 3S3
PHONE (604) 888-1323 • FAX (604) 888-3642
email: vanpetro@vancouver.net

PETROGRAPHIC REPORT ON 10 POLISHED THIN SECTIONS FROM MORRISON PROPERTY, BABINE DISTRICT, B.C.

Report for: J. Paul Stevenson
10th Floor, Princess Building
609 West Hastingst Street
Vancouver, B.C. V6B 4W4.

Invoice 000380

Aug. 15, 2000.

SUMMARY:

All but one of the samples in this suite may be characterized as variably altered porphyritic high-level intrusive rocks, likely mainly a crowded biotite-hornblende quartz diorite (tonalite) porphyry prior to alteration. Typically the rock originally consisted of about 30-50% 1-4 mm plagioclase and 10-15% 1-2 mm mafic (biotite, hornblende) phenocrysts in a fine-grained (0.1-0.2 mm) groundmass of quartz and alkali feldspar plus minor mafic minerals. The last sample, MO-9-12.4, is a fine-grained mixture of quartz, ?albitic alkali feldspar, carbonate, biotite, chlorite, K-feldspar and sulfides and oxides with a equigranular texture that likely represents a hornfelsed sediment or volcanic rock.

Alteration in the intrusive rocks may be roughly divided into early potassic (quartz-biotite-amphibole-Kspar-magnetite-chalcopyrite ±apatite, epidote, chlorite) typical of the Babine porphyry setting (all the dark grey, hard samples including MO-4-111.6, 356, 446; MO-5-214; MO-7-164.7). Carbonate and minor sericite and ?clay in these samples may be the result of overprinting by later phyllic/argillic alteration, which is well illustrated in the rest of the samples. Phyllic alteration (quartz-carbonate-?clay-?chlorite-rutile) in MO-4-87.6 and 88.4 shows remnants of earlier ?secondary biotite. Similarly, argillic or advanced argillic (?clay-quartz-carbonate-sericite) alteration in MO-4-154.3 and MO-5-210 contains trace ?relict secondary biotite and secondary K-feldspar.

Veins and veinlets, mainly of quartz but also including amphibole, biotite, carbonate and sulfides plus rare magnetite/hematite, are common in this suite of rocks. Alteration envelopes include secondary biotite and K-feldspar in the potassic altered samples. Sulfides are also distributed along microfractures, or are disseminated.

The rocks in this suite of samples were submitted with a question as to "Cu not visible-but getting values". The petrographic study, detailed below, clearly demonstrates the presence of abundant copper sulfides in all samples (mainly chalcopyrite; bornite is also present in minor quantities in two samples, MO-4-111.6 and MO-5-214). The distribution, character and size range of the copper sulfide blebs are illustrated in the photomicrographs appended to this report.

Oxide minerals associated with these sulfides are mainly magnetite (in places partly to completely oxidized to hematite) and rare ilmenite, rutile and sphene.

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MO-4-87.6: INTENSELY PHYLLIC (QUARTZ-CARBONATE-?CLAY, ?CLAY/CHLORITE ± RELICT SECONDARY BIOTITE, CHALCOPYRITE ± PYRITE) ALTERED INTRUSIVE

Pale grey-green, strongly phyllic (quartz-carbonate-clay/sericite-pyrite) altered, quartz vein stockworked, high-level felsic intrusive rock. The rock is not magnetic and shows no stain for K-feldspar in the etched slab, but reacts strongly to cold dilute HCl, and is softer than steel. Modal mineralogy in polished thin section is approximately:

Quartz (partly secondary)	35%
Carbonate (mostly calcite)	30%
?Clay (?kaolinite)	20%
?Clay/Chlorite	5%
Relict secondary biotite	5%
Chalcopyrite	3-5%
Pyrite	1%
Rutile	1%
Apatite	<1%

This is a very strongly hydrothermally altered rock; the original porphyritic texture is best visible in the etched slab, in which white ?clay altered relict plagioclase crystals with rounded to subhedral outlines up to 4 mm long are visible. In thin section, these relics are composed of mainly tiny ?clay crystals of about 5-10 microns diameter, or void space (where ?clay has been plucked out during section preparation) and subhedral carbonate of about 0.1 mm diameter or less. Other, less abundant, relict crystal sites with coarser ?clay/chlorite (subhedral flakes up to 0.1 mm in diameter, mainly length-slow) could represent former mafic crystals with rounded outlines up to about 1.5 mm in diameter.

In places the relict mafics also contain minor pale brown (relict, altered) secondary biotite as subhedral flakes mostly <0.1 mm in diameter, commonly mixed with sulfides (see below) and traces of rutile (minute euhedra mostly <20 microns in diameter) and apatite (subhedra up to 0.1 mm in diameter).

The former groundmass consists of granular, subhedral quartz, carbonate and clay or clay/chlorite mostly <0.1 mm in diameter.

Sulfides are mainly chalcopyrite, and are mainly distributed along quartz, carbonate or quartz-carbonate veinlets, stringers and disseminated or along microfractures. The blebs of chalcopyrite are mostly anhedral to subhedral, <0.15 mm in diameter. Only in the major quartz veins (up to 8 mm thick) is there any significant pyrite, forming euhedral crystals up t 0.5 mm across that aggregate to 1.5 mm. Thus there is significant copper present in this sample (in the +1% range).

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MO-4-88.4: INTENSELY PHYLLIC (QUARTZ-?CLAY-CARBONATE-SULFIDE-RUTILE-APATITE ±RELICT BIOTITE) ALTERED PORPHYRITIC FELSIC INTRUSIVE ROCK

Pale buff-grey coloured, medium-grained, porphyritic high-level intrusive rock characterized by about 30-35% white 1-3 mm plagioclase relics in a matrix of orangey ?ankeritic carbonate and fine sulfides. Sulfides are mostly fracture-controlled, and appear to be mostly chalcopyrite. The rock is partly harder than steel, not magnetic and shows no reaction to cold dilute HCl, and no stain for K-feldspar in the etched slab. Modal mineralogy in polished thin section is approximately:

?Clay (?kaolinite)	35%
Quartz (partly secondary)	30%
Carbonate (?mainly ankerite)	25%
Relict biotite (partly secondary)	5%
Chalcopyrite	2-3%
Rutile	1-2%
Apatite	<1%

This is also a strongly altered rock, composed of ?clay-altered relict plagioclase sites in a matrix of quartz, carbonate, sulfide and relict secondary biotite. Former mafic sites are not easy to distinguish. Alteration varies in intensity with the most altered rock found along narrow carbonate veins and veinlets that are mostly less than 1 mm thick.

Relict plagioclase sites have euhedral to subhedral outlines up to 3 mm long that are almost entirely pseudomorphed by extremely fine flakes of ?clay mostly <5 or 10 microns in diameter (low birefringence, low relief suggests ?kaolinite) plus lesser carbonate (subhedra mostly <50 microns in diameter).

The groundmass is composed of 0.1-0.15 mm subhedral quartz crystals (probably mostly primary) set in a matrix of ?clay-altered feldspar relics, carbonate, secondary quartz, and sulfides. The former feldspar crystals have subhedral outlines up to 0.2 mm in diameter, and may have included both plagioclase and K-feldspar. Secondary quartz is distinguished by its radiating "brush" or chalcedonic texture, with rosettes up to about 0.15 mm in diameter. Carbonate, likely mostly ankerite (ferroan dolomite) to judge by the colour and lack of reaction in hand specimen, forms subhedra up to about 0.1 mm in diameter.

Possible former mafic relic sites up to 2 mm in size are marked by the presence of minor dark brown biotite (anhedral flakes up to 0.2 mm diameter, mixed with the carbonate), sulfides, abundant rutile and common apatite (subhedral to euhedral crystals up to 0.4 mm long). Part of the biotite and possibly some of the apatite may be secondary in origin.

Chalcopyrite is mainly found distributed as fine anhedral to subhedral blebs (mostly <0.2 mm, rarely to 0.35 mm diameter) along fractures and their immediate envelopes. However, the outer boundaries of these envelopes is generally diffuse, and there is a transition to finely disseminated (mainly <75 micron diameter) blebs in the surrounding rock. Most of the chalcopyrite in the veins and envelopes is hosted in carbonate; most of the disseminated chalcopyrite is hosted by quartz, or found in relict mafic sites where it is associated with fine-grained (25 micron) rutile. Note that pyrite is not seen in the section, implying a relatively high Cu:Fe ratio in the mineralizing fluids for this sample.

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MO-4-111.6: POTASSIC (QUARTZ-BIOTITE-CARBONATE-CHALCOPYRITE-MAGNETITE) ALTERED, PLAGIOCLASE-HORNBLENDE/BIOTITE PHYRIC QUARTZ DIORITE INTRUSIVE

Dark grey (mafic-rich), medium- to fine-grained altered porphyry cut by quartz veins and chalocpyrite-bearing fractures that in places show dark envelopes. The alteration in this sample is likely secondary biotite (potassic), that has not been overprinted by later phyllic (quartz-carbonate-?clay) alteration as in the previous two samples from this hole. The rock is mostly harder than steel, weakly magnetic and shows minor reaction to cold dilute HCl, but there is only trace yellow stain for K-feldspar in the etched slab. Modal mineralogy in polished thin section is approximately:

Plagioclase (andesine)	40%
Quartz (partly secondary)	35%
Biotite (partly secondary)	15%
Carbonate (mainly calcite)	5%
Chalcopyrite, minor bornite	2-3%
Magnetite, hematite	1-2%
K-feldspar	1-2%
Apatite, epidote	<1% each

The original porphyritic texture of the intrusive rock is well preserved in this sample, which consists of about 40% plagioclase and 15% relict mafic crystals in a fine-grained groundmass of quartz, plagioclase and minor K-feldspar.

Plagioclase crystals have euhedral outlines up to 3.5 mm long and retain original compositional zoning, from cores (about 90% of the crystal) of andesine, near An_{45}, based on extinction angle Y^010 near 25 degrees and relief close to that of quartz. Narrow rims (10% of the crystal) are of ?oligoclase (smaller extinction angle). Minor (<5%) alteration is mainly to fine grains of carbonate, likely mostly calcite, less than 20 microns in diameter.

Mafic crystals have subhedral outlines up to 2.5 mm long that are suggestive of former ?hornblende, now replaced by fine secondary biotite (subhedral flakes mostly <0.2 mm in diameter) and variable amounts of carbonate (subhedra mostly <50 microns in size). In some cases the crystals are larger single crystals of biotite, mostly <1 mm in diameter, that likely represent primary biotite crystals. Minor amounts of magnetite (subhedral to euhedral crystals up to 0.25 mm in diameter) and apatite (subhedral crystals up to 0.2 mm long) are closely associated with the altered mafic sites, as are minor amounts of chalcopyrite (subhedral crystals mostly <0.1 mm in diameter).

The groundmass consists of roughly equal proportions of plagioclase and quartz, both forming subhedral to anhedral crystals about 0.1-0.2 mm in diameter, lesser biotite and K-feldspar of similar size, plus minor magnetite and rare chalcopyrite (both as subhedral crystals mostly <0.1 mm in diameter).

Veins and veinlets, in places up to 0.5 cm thick, consist mainly of quartz (subhedral to anhedral crystals less than 0.5 mm in diameter), with minor amounts of chalcopyrite (anhedral blebs up to 1 mm across, generally closely asociated with biotite as euhedral flakes to 0.2 mm diameter) and rare bornite (subhedra to 0.2 mm in diameter). In places the veins contain some carbonate, or are mostly composed of carbonate (subhedral to euhedral crystals up to 0.3 mm in diameter). Although magnetite is not found in the quartz veins, it is present along narrow hairline fractures (with chalcopyrite), suggesting that some of the magnetite is secondary and confirming the mainly potassic nature of the alteration (quartz-biotite-chalcopyrite-magnetite).

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MO-4-154.3: INTENSE ARGILLIC/ADVANCED ARGILLIC (?CLAY-QUARTZ-CARBONATE-SERICITE-CHALCOPYRITE±PYRITE) ALTERED PORPHYRITIC INTRUSIVE ROCK

Chalky white to buff-cream coloured, fine-grained, intensely ?clay altered intrusive rock (much softer than steel, sticks to tongue when wetted). Vague porphyritic texture preserved; stockwork of grey quartz veins; minor sulfides, mostly chalcopyrite, throughout (disseminated, on microfractures, and in quartz veins). The rock is not magnetic and shows little reaction to cold dilute HCl, but there is minor yellow stain for K-feldspar in the etched slab, especially along the envelope of a major quartz vein.

?Clay (largely after feldspars)	55%
Quartz (partly secondary)	25%
Carbonate (?ankerite, minor calcite)	10%
Sericite	5%
Chalcopyrite, rare pyrite	1-2%
Iron oxides, ?rutile	1%
K-feldspar (secondary)	1%
Relict secondary biotite	1%

Only traces of the original texture of this porphyritic intrusive rock remain, after intense argillic/advanced argillic (clay-sericite-quartz-carbonate-sulfide); and relict potassic (K-feldspar-biotite) alteration.

Former plagioclase crystals have rounded to irregular or vague outlines up to 2.5 mm long. The former crystals are pseudomorphed by very fine-grained (<20 micron diameter) ?clay, with lesser amounts of carbonate (subhedra to 40 microns) and minor sericite (subhedral flakes to 35 microns in diameter). Commonly, the centers of the pseudomorphed crystals have been plucked out during section preparation, leaving voids. Former ?mafic relic sites are likely marked by concentrations of sulfides, carbonate and wisps of brown ?secondary biotite plus traces of rutile as minute crystals <20 microns in size.

The groundmass is distinguished by small anhedral to subhedral crystals of quartz, mostly <0.1 mm in diameter, separated by areas of ?clay, carbonate, and sericite plus iron oxides or rutile. The ?clay and carbonate likely represent the former sites of feldspar and mafic crystals respectively. The oxides are extremely fine-grained (microns in diameter) and not identifiable precisely, but may include limonite and rutile. Traces of K-feldspar, probably secondary, occur as fine subhedra (<0.1 mm in diameter) along the margin of a major quartz vein. There may thus have been potassic alteration present prior to the intense argillic/advanced argillic now evident.

Virtually all the sulfide in this sample is chalcopyrite, forming small blebs mostly <0.5 mm in diameter (coarser in the quartz veins, finer as disseminations). Only rare pyrite occurs (minute subhedra to 50 microns in diameter, mainly found enclosed within chalcopyrite, in the quartz veins).

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MO-4-356: POTASSIC (QUARTZ-BIOTITE-AMPHIBOLE-KSPAR-MAGNETITE-SULFIDE-GYPSUM/ANHYDRITE-CARBONATE) ALTERED PORPHYRITIC INTRUSIVE ROCK

This sample is a dark grey, fine to medium-grained, strongly altered porphyritic intrusive rock similar to that from 111.6m in this hole (probably biotitic, i.e. potassically altered; some destruction of texture). The etched slab reveals the crowded porphyritic texture, with about 40-45% white plagioclase crystal relics, and yellow stain for (secondary) K-feldspar along narrow (commonly chalcopyrite-bearing) fractures. The rock is magnetic but shows no reaction to cold dilute HCl, and is mainly harder than steel. Modal mineralogy is roughly:

Plagioclase (oligoclase-andesine)	50%
Quartz (partly secondary)	20%
Biotite (partly secondary)	10%
Amphibole (mostly secondary)	10%
K-feldspar (mainly secondary)	1-2%
Magnetite, hematite (minor ilmenite)	1-2%
Chalcopyrite, trace pyrite	1-2%
Clay-sericite	1-2%
Carbonate	1-2%
Gypsum/anhydrite	1-2%
Apatite	<1%

This potassic altered sample consists of closely spaced (crowded) plagioclase phenocrysts set in a groundmass of quartz, feldspar and biotized or amphibolitized mafic relics. The rock is cut by a network of quartz±sulfide/magnetite veins and fractures, some of which are accompanied by secondary biotite, K-feldspar and gypsum/anhydrite. Plagioclase phenocrysts have mainly euhedral outlines up to 4.5 mm long. They show oscillatory compositional zoning that ranges little about an average near the oligoclase-andesine boundary (about An_{30}, based on extinction X^001 and X^010 near zero degrees), except for very narrow rims that are more sodic (oligoclase-albite). Alteration of the plagioclase is minor, to traces of sericite or less commonly alkali feldspar (?partly K-feldspar) along microfractures.

In the matrix, quartz forms subhedral to anhedral crystals mainly <0.25 mm in diameter that are *mainly primary, but in places show overgrowths due to addition of secondary quartz, or grade into coarser* crystals (up to almost 1 mm in diameter) that form poorly to in places well defined quartz veins and veinlets. Matrix feldspar forming subhedral crystals mostly <0.2 mm in diameter appears to be mostly plagioclase, but in places it grades to an alkali feldspar, likely mostly secondary, that includes some K-feldspar. Mafic minerals have vaguely defined, relatively anhedral outlines up to 1.5 mm in diameter and have been entirely replaced by amphibole, biotite, magnetite, sulfide and apatite. Amphibole forms pale green fibrous crystals up to 0.5 mm long, with extinction angle near 18 degrees; it is likely actinolitic hornblende and is typical of potassic alteration. The biotite forms fine medium brown subhedral flakes up to about 0.15 mm in diameter, and is typical of potassic alteration.

Quartz veins up to 3 mm thick containing minor chalcopyrite and pyrite (blebs up to 0.15 mm diameter) have amphibole-rich envelopes, and are cut by biotite-chalcopyrite-magnetite/hematite/ilmenite -Kspar-gypsum/anhydrite veinlets <1 mm thick. Chalcopyrite forms blebs up to several mm long; magnetite, largely oxidized to hematite, forms subhedra up to 0.3 mm. Gypsum crystals (possibly after anhydrite) are elongate (up to 1 mm), and commonly dissolved out (?during sectioning). Carbonate forms subhedra up to 0.1 mm in size along later fractures.

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MO-4-446: POTASSIC (QUARTZ-AMPHIBOLE-BIOTITE-KSPAR-CARBONATE-SERICITE-EPIDOTE-CHALCOPYRITE-MAGNETITE/HEMATITE/ILMENITE/SPHENE-CHLORITE) ALTERED PORPHYRITIC INTRUSIVE ROCK

Dark grey, fin to medium grained, potassic altered porphyritic intrusive rock cut by a network of quartz-chalcopyrite veinlets and microfractures, along some of which significant (secondary) K-feldspar is developed as indicated by yellow stain in the etched slab. The rock is weakly magnetic and shows minor reaction to cold dilute HCl; it is mainly harder than steel. Modal mineralogy is approximately:

Plagioclase (andesine)	45%
Quartz (partly secondary)	20%
Amphibole (largely secondary)	10%
Biotite (primary and secondary)	5%
K-feldspar (?mainly secondary)	5%
Carbonate (?mainly calcite)	5%
Sericite	2-3%
Epidote, minor allanite	1-2%
Chalcopyrite (trace pyrite)	1%
Ilmenite, sphene	1%
Hematite (?mostly after magnetite)	1%
Chlorite	1%
Apatite	<1%

Plagioclase forms mainly euhedral crystals up to3 mm in diameter with weakly defined oscillatory zoning closely confined to a composition near An_{35} (andesine). Most crystals show only minor alteration to fine flecks or fractures of fine-grained (20 micron) clay-sericite; however, replacement of plagioclase by K-feldspar is evident in thin section as irregular areas accompanied by fine flakes of clay-sericite that spread along fractures outwards from borders of major quartz-amphibole veins.

Mafic crystals include euhedral brown biotite up to 1.5 mm in diameter (probably primary) and subhedral to euhedral ?hornblende relics that are replaced by fibrous pale green amphibole (likely secondary actinolitic hornblende as subhedra to 0.25 mm long) and secondary biotite as bright brown subhedral flakes mostly <0.1 mm in diameter. Minor apatite (subhedra to 0.3 mm), sulfides and oxides accompany this alteration; in places there is also minor epidote (euhedral crystals to 0.3 mm diameter) that are variably cored by reddish-brown euhedral crystals of ?allanite (REE-bearing epidote).

The matrix is composed of fine-grained quartz (subhedra rarely over 0.1 mm in diameter, probably mostly primary), alkali feldspar (plagioclase, and in places secondary K-feldspar as subhedra mostlyu <0.15 mm in diameter and mostly partly sericitized), amphibole (fibrous subhedra to 0.1 mm), carbonate (irregular subhedra to 0.25 mm)

Veinlets consist of quartz (subhedra to 0.3 mm diameter), K-feldspar (subhedra to 0.3 mm), carbonate (calcite and ?ankerite, subhedra to 0.5 mm), amphibole (fibrous subhedra to 0.5 mm), epidote/allanite (as described above), minor chlorite (subhedral flakes to 0.1 mm) and sulfides/oxides (see below). Chalcopyrite forms irregular blebs and anhedral crystals up to about 0.25 mm in diameter, commonly loosely controlled along narrow fractures and veinlets of variable composition. Pyrite is rare in this assemblage, forming anhedral to irregular crystals up to 0.2 mm in size. Oxide mineral grains, mostly <0.25 mm in diameter, associated with the sulfides include ilmenite (commonly surrounded by sphene) and hematite (probably mostly after magnetite, traces of which remain).

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MO-5-210: INTENSELY ARGILLIC/ADVANCED ARGILLIC (?CLAY-QUARTZ-CARBONATE-SERICITE-SULFIDES), RELICT POTASSIC (BIOTITE-KSPAR) ALTERED PORPHYRY

Chalky white to greyish, intensely argillic/phyllic altered porphyritic intrusive, cut by a fine network of narrow sulfide-bearing fractures that in places broaden into irregluar larger blebs, and are associated with orangey-brown, likely ankeritic, carbonate. Minor secondary Kspar is also indicated along some of these fractures by yellow stain in the etched slab. The rock is easily scratched by steel, sticks slightly to the tongue, is not magnetic and shows modest slow reaction to cold dilute HCl. Modal mineralogy in polished thin section is approximately:

?Clay (?kaolinite)	45%
Quartz (partly secondary)	25%
Carbonate (calcite, ?ankerite)	10%
Sericite	5%
Relict secondary biotite/amphibole	5%
Chalcopyrite	2-3%
Pyrite	2-3%
K-feldspar (secondary)	2-3%
Limonite	1-2%
Chalcopyrite	<1%
Apatite	<1%

This sample is intensely argillic or advanced argillic altered (?clay, quartz, carbonate, sericite, pyrite), but retains much of its original porphyritic intrusive texture.

Former plagioclase phenocrysts have euhedral to subhedral outlines up to 2.5 mm in diameter, and are now completely pseudomorphed by very fine-grained ?clay and minor amounts of fracture-controlled sericite and carbonate, plus scattered crystals of pyrite and/or limonite. The ?clay mineral forms minute flakes mostly <10 microns in diameter, with low birefringence and low relief suggestive of ?kaolinite. Sericite flakes are up to 20 microns in diameter; carbonate crystals are anhedral and tend to be less than 20 microns in diameter. Traces of former secondary Kspar, replacing plagioclase, are seen near larger quartz veins as cloudy areas; adjacent plagioclase has been replaced by sericite flakes up to 50 microns in diameter.

Relict mafic sites are marked by concentrations of flakey, pale brown ?relict biotite/amphibole, now largely converted to brownish carbonate, and mixed with secondary quartz, sericite and ?clay. The flakes of ?former biotite are subhedral and up to 0.3 mm in diameter; quartz crystals intergrown with the relics are subhedral, up to 0.15 mm in diameter. Carbonate crystals are mostly <0.1 mm and subhedral to anhedral, with variation in colour and relief suggesting both calcite and ?ankerite may be present. Sericite forms flakes up to 35 microns in diameter; ?clay is mostly <10 microns in diameter.

The groundmass consists of small (mainly <0.1 mm, primary, but in places up to 0.25 mm, partly secondary) subhedral to anhedral crystals of quartz, in a matrix of very fine-grained ?clay, sericite, carbonate sulfides and limonite. Veinlets are mostly <1 m thick, and consist of quartz (subhedra to 0.25 mm diameter), sulfides, ?relict biotite (subhedral brownish flakes up to 0.15 mm in diameter) and minor carbonate and limonite. Sulfides are an intimate intergrowth of fine-grained chalcopyrite and pyrite, both forming mainly subhedral crystals of <0.2 mm in diameter. The very fine-grained (amorphous) limonite may be derived by hydrothermal oxidation of former magnetite/hematite.

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MO-5-214: POTASSIC (QUARTZ-AMPHIBOLE-BIOTITE-CARBONATE-KSPAR-SERICITE-CHALCOPYRITE-BORNITE-MAGNETITE-APATITE) ALTERED PORPHYRITIC INTRUSIVE

Dark grey, strongly potassic (amphibole-biotite) altered porphyritic intrusive rock, cut by abundant narrow veinlets and fractures coated with chalcopyrite. In places, a few of the narrow fractures contain or are associated with secondary K-feldspar as indicated by yellow stain in the etched slab. The rock is mainly harder than steel, magnetic and shows minor reaction to cold dilute HCl. Modal mineralogy in polished thin section is approximately:

Plagioclase (andesine)	45%
Quartz (partly secondary)	25%
Amphibole (secondary)	10%
Biotite (secondary)	5%
Carbonate (mainly calcite)	5%
Chalcopyrite	2-3%
K-feldspar (secondary)	1-2%
Chlorite (after biotite)	1-2%
Sericite	1%
Bornite	<1%
Magnetite, hematite	<1%
Sphene	<1%
Apatite	<1%

This sample consists of about 35-40% 1-3 mm plagioclase phenocrysts and 10-15% vaguely defined mafic relics in a matrix of quartz and feldspar plus minor mafics and sulfides. Alteration is potassic (quartz-biotite-amphibole-carbonate-Kspar-copper sulfides-magnetite).

Plagioclase phenocrysts have euhedral to subhedral outlines up to 3 mm in diameter and retain primary oscillatory compositional zoning which appears to vary little about a median of An_{35} (andesine) except at the narrow rims. There is mainly only minor alteration to minute flecks of sericite (<20 microns in diameter), except along narrow fractures or microveinlets of quartz and amphibole or biotite plus sulfides, where plagioclase is replaced by subhedral K-feldspar crystals mainly <0.2 mm in diameter.

Mafic relics have vague and poorly defined outlines up to about 1.5 mm long, suggestive of former hornblende crystals that are now pseudomorphed by fine-grained, fibrous amphibole crystals mostly <0.25 mm long and lesser secondary biotite as medium brown subhedral flakes mostly <0.15 mm in diameter, plus sulfides and oxides, apatite and sphene. The sulfides consist almost entirely of chalcopyrite and lesser bornite (subhedra up to 0.25 mm in diameter), mixed in places with minor oxides (magnetite, partly oxidized to hematite) and sphene mostly <0.15 mm in diameter. Pyrite is extremely rare, indicating a high Cu, low Fe, low total S system. Apatite forms subhedral crystals up to 0.15 mm long; sphene forms subhedra mostly <50 microns in diameter.

The groundmass is strongly silicic (likely partly silicified), composed of roughly equal parts of feldspar (mainly plagioclase; minor K-feldspar) and quartz (subhedral crystals mostly <0.1 mm, but ranging up to 0.5 mm where silicification is intense or grades into quartz veins), plus minor amphibole, biotite, and sulfides. Veinlets are either quartz (subhedra to 0.7 mm diameter) with minor sulfides, or amphibole (fibrous crystals to 0.2 mm long), in places mixed with minor biotite (flakes to 0.15 mm), carbonate (mainly calcite, subhedra to 0.25 mm), sulfides and sphene.

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MO-7-164.7: POTASSIC (QUARTZ-BIOTITE-CARBONATE-KSPAR-CHLORITE-CHALCOPYRITE-PYRITE-MAGNETITE/HEMATITE ALTERED PORPHYRITIC TONALITE

Grey, fine to medium-grained, biotite-amphibole (potassic) altered porphyritic intrusive rock cut by planar 1-2 mm thick quartz veins and more irregular microfractures, both with sulfides (chalcopyrite and pyrite). The rock is harder than steel and magnetic but shows only trace reaction to cold dilute HCl, and only minor yellow stain for K-feldspar in the etched slab. Modal mineralogy in polished thin section is approximately:

Plagioclase (oligoclase-andesine)	60%
Quartz (partly secondary)	15%
Biotite (primary and secondary)	10%
Carbonate (calcite and ?ankerite)	7-10%
Chalcopyrite	1-2%
K-feldspar (secondary)	1-2%
Chlorite (after biotite)	1-2%
Magnetite, hematite, minor ?ilmenite	1-2%
Pyrite	<1%
Apatite	<1%

In thin section, this sample consists of about 30-35% 1-3 mm plagioclase, 10-15% altered ?hornblende relics, and <5% brown biotite in a matrix of plagioclase and lesser quartz. The composition is about that of a tonalite (biotite-hornblende quartz diorite); alteration is potassic (quartz-amphibole-biotite-Kspar-sulfides-magnetite).

Plagioclase phenocrysts have mainly euhedral outlines and show oscillatory zoning with a narrow compositional range near oligoclase-andesine (An_{25-35}) based on extinction angle X^001 that varies from -5 to 7 degrees. The crystals show only minimal alteration, mostly to fine fracture-controlled carbonate, except near major quartz veins, where there is also minor fracture-controlled secondary alkali feldspar (in part K-feldspar, as indicated by the stained slab).

Mafic crystals are either biotite books up to 1.2 mm in diameter (likely mainly primary, although margins are corroded) or relics that have subhedral outlines up to 2.2 mm long suggestive of former hornblende. These are replaced by carbonatte (minute crystals mostly <20 microns in diameter, likely ankerite), or carbonate and secondary biotite (pale brown flakes up to 0.2 mm in diameter, in places partly chloritized) plus remnants of fibrous amphibole, sulfides, oxides and apatite. In places the biotite is completely replaced by pale green chlorite as subhedral flakes of 0.1-0.15 mm diameter. Apatite crystals are subhedral, up to 0.15 mm in size.

The groundmass consists of fine plagioclase microlites mostly <75 microns long, anhedral to subhedral quartz generally <50 microns in diameter but rarely up to 0.2 mm in size (?microphenocrysts), biotite to 0.15 mm and magnetite and sulfides mostly <30 microns in diameter. Veinlets are composed either of anhedral quartz up to 0.25 mm in diameter with selvages/core areas of scattered sulfides/oxides (euhedral pyrite to 0.7 mm, chalcopyrite to 0.3 mm, magnetite/hematite to 0.25 mm), chlorite, and carbonate subhedra up to 0.1 mm in size. Traces of ilmenite may be mixed with magnetite. Later fractures are filled by carbonate as minute subhedra <50 microns in diameter, apatite subhedra to 75 microns and chalcopyrite as anhedral blebs to 0.1 mm, with minor Kspar (anhedral crystals to 0.1 mm) along their selvages.

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MO-9-12.4:"HORNFELS" (FINE-GRAINED EQUIGRANULAR QUARTZ-ALKALI FELDSPAR-CARBONATE-CHLORITE/BIOTITE-SERICITE-CHALCOPYRITE-PYRITE-RUTILE)

Fine-grained, brownish, strongly altered rock of uncertain derivation but more probably hornfels than intrusive, strongly stockworked with a network of fine fractures/veinlets that contain sulfides (pyrite, chalcopyrite). The rock is harder than steel, but not magnetic and shows only trace reaction to cold dilute HCl, and trace stain for K-feldspar in the etched slab. Modal mineralogy in polished thin section is approximately:

Quartz (partly secondary)	45%
?Alkali feldspar (plagioclase)	25%
Carbonate (mainly ?ankeritic)	15%
Chlorite, biotite	5%
Sericite/?pyrophyllite	5%
Chalcopyrite	1-2%
Pyrite	1-2%
Rutile	1%
K-feldspar (secondary)	1%
?Anhydrite/gypsum	<1%

The mineralogy in this very fine-grained "hornfelsed" rock is difficult to quantify, but appears to be composed of quartz, ?alkali feldspar, carbonate, biotite, sericite plus minor rutile, sulfides and ?anhydrite/gypsum. If significant feldspar is present, it is not easily distinguished due to a lack of relief difference against quartz. However, the whitish colour of the etched slab suggests that in fact alkali feldspar (plagioclase such as albite) is a major component of the rock, and the estimated percentages given above reflect this assumption. Minor K-feldspar appears to be fracture-controlled and therefore is likely secondary; alteration may be potassic-phyllic.

Quartz forms interlocking subhedral to anhedral irregular crystals up to 0.25 mm in diameter, although more commonly <50 microns in size. Possible alkali feldspar crystals are of similar size and character, but are distinguished by fine flecking of sericite and carbonate. Veinlets are distinguished by coarser grain size, although the minerals are likely the same as in adjacent wallrock. Carbonate occurs either as fine fibrous aggregates (individual crystals mostly <50 microns long) or as coarser, more euhedral crystals up to 0.2 mm in diameter. Due to the lack of reactivity in hand specimen, it is possible that the bulk of the fine-grained carbonate is largely ankerite (and the coarse-grained crystals are minor calcite). Sericite or ?pyrophyllite, forms radiating rosettes up to 0.25 mm in diameter. These minerals are indistinguishable under the microscope. In places intergrowths with sericite of a flakey mineral having near zero birefringence suggest the presence of ?chlorite, likely after biotite. Biotite forms subhedral to euhedral, pale brown flakes up to 0.15 mm in diameter, mainly partly to wholly chloritized.

Sulfides, including both chalcopyrite and pyrite, and oxides that appear to be mainly rutile, are mainly controlled along narrow veinlets and hairline microfractures cutting the rock. These veinlets are mainly composed of quartz (subhedra to anhedra up to 0.2 mm long), but include lesser carbonate (fibrous aggregates up to 0.1 mm long or euhedral crystals to 0.15 mm), chlorite (subhedral flakes to 0.15 mm), K-spar (subhedra to 0.15 mm), and minor gypsum/anhydrite (subhedra to 0.1 mm). Chalcopyrite forms subhedral crystals up to 0.4 mm in diameter, commonly intergrown with or surrounding subhedral to euhedral pyrite crystals up to 0.5 mm in diameter; both are associated with rutile as euhedral to deep brown subhedral crystals mostly <0.1 mm in diameter.

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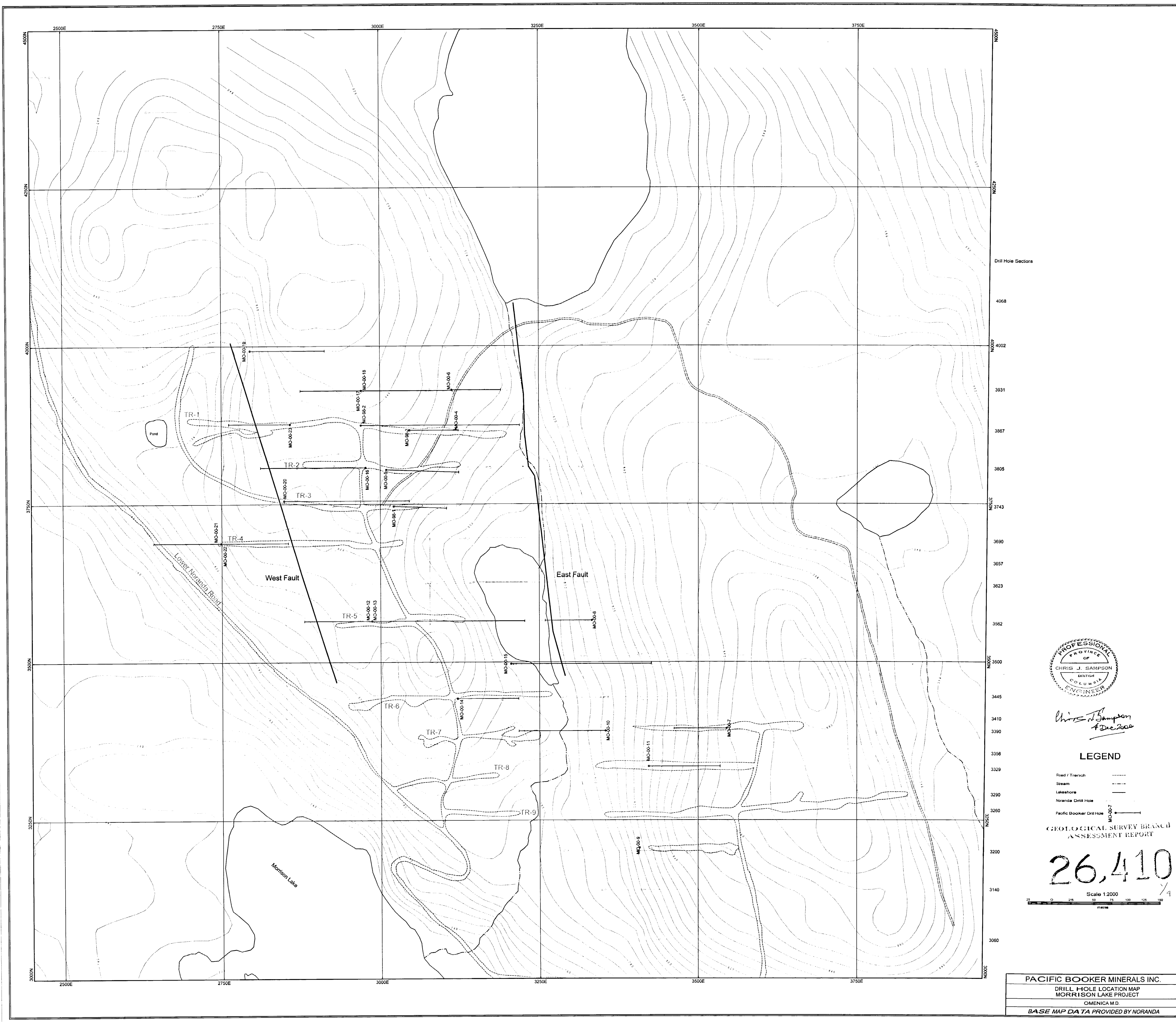
2500E
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Drill Hole Sections
4068
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MO-00-19
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TR-1
Pond
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MO-98-1
MO-00-21
TR-4
MO-00-22
Lower Noranda Road
West Fault
East Fault
MO-00-12
MO-00-13
TR-5
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Morrison Lake
PROFESSIONAL
PROVINCE OF
CHRIS J. SAMPSON
BRITISH COLUMBIA
ENGINEER
Chris J Sampson
4 Dec 2000
LEGEND
Road / Trench
Stream
Lakeshore
Noranda Drill Hole
Pacific Booker Drill Hole
MO-00-7
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
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Scale 1:2000
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metres
PACIFIC BOOKER MINERALS INC.
DRILL HOLE LOCATION MAP
MORRISON LAKE PROJECT
OMENICA M.D.
BASE MAP DATA PROVIDED BY NORANDA