[ARIS11A] ***ARIS Summary Report***

Regional Geologist, Prince George **Date Approved:** 1999.09.21 **Off Confidential:** 2000.02.10

ASSESSMENT REPORT: 25904 **Mining Division(s):** Cariboo

Property Name: Ace

Location:

NAD 27	**Latitude:** 52 47 30	**Longitude:** 121 07 00	**UTM:**	10	5850541	626997
NAD 83	**Latitude:** 52 47 30	**Longitude:** 121 07 05	**UTM:**	10	5850756	626899
NTS:	093A14E					

Camp: 038 Cariboo - Barkerville Camp

Claim(s): Ace 4-44,, King 1, Unlikely 1-11, Led 13-24, Chris 5-11, Amanda 2-6, Bruce 2-9, BB 1-9, Jess 1-3, E 1-6, Prince 1, Boo 1-2, Bill 1, Abracad 2, Big Gulp 2, Charlie 1-4

Operator(s): Barker Minerals Ltd.
Author(s): Payne, John G.

Report Year: 1999

No. of Pages: 184 Pages

Commodities Searched For:

General Work Categories: DRIL, GEOL, GEOP, GEOC

Work Done:

Drilling
DIAD Diamond surface (7 hole(s);NQ) (1260.1 m)
Geochemical
ROCK Rock (265 sample(s);) No. of maps : 15 ; Scale(s) : 1:5000
Elements Analyzed For : Multielement
SAMP Sampling/assaying (161 sample(s);)
Elements Analyzed For : Multielement
SILT Silt (257 sample(s);)
Elements Analyzed For : Multielement
SOIL Soil (12 sample(s);)
Elements Analyzed For : Multielement
Geological
GEOL Geological (4500.0 ha;) No. of maps : 2 ; Scale(s) : 1:5000
Geophysical
MAGG Magnetic, ground (5.0 km;)

Keywords: Amphibolites, Argillites, Barkerville Terrane, Limestones, Quartzites, Schists, Felsic metavolcanics

Statement Nos.: 3131333, 3131332, 3131291, 3131293, 3131323, 3131327, 3131308, 3131313, 3131317, 3131326, 3131335, 3131349, 3131351, 3131353, 3131341, 3131343, 3131337, 3131347, 3131345, 3133068, 3133094, 3133097, 3133101, 3133103, 3133109, 3133113, 3133122, 3133129, 3133132, 3133138, 3133142, 3133153, 3133156, 3133071, 3133136, 3133172, 3133169, 3131295, 3131297, 3131299, 3131301, 3133167, 3133164, 3133160, 3131303, 3131305, 3131309, 3131312, 3131316, 3133158, 3133140, 3133134, 3131339, 3131329, 3131322, 3131319, 3131289, 0000000

MINFILE Nos.: 093A 081, 093A 087, 093A 142

Related Reports: 09666, 19327, 21886, 22833, 23191, 23733, 23995, 24286, 24805, 24988, 25324, 25437

Report on
Geology, Geochemistry, Geophysics,
Prospecting, Drilling
on the

Mount Barker Project

Ace and Peripheral Properties

93A/14E,Cariboo Mining Division, Little River Area, BC

Work done on Abracad 1, 2,Ace 4, 10, 11, 13, 15, 16, 18, 19, 21, 37, 38, 39, 41, 42, 43, 57, 59, 60 - 65, 67 -74, 76, 77, 82 - 85, 92, Ace West 1, 2, Amanda 2, 4, 5, 6, Aubar 4, BB 1, 2, 6, 7, 8, 9, 11, Bill 1, Boo 1, 2, Bruce 2, 3, 5, 6, 8, 9, 10, Charlie 1, Chris 1, 5, 7, 9, 10, 11, E 1, 2, 3, 4, 6, Grain 5, Jess 1, 2, Jim, King 1, Led 14, 20, 22, 24, Prince 1, 2, Queen 1, Rivy 1, Sell 3, Zak 2, 4, 5

Owned and operated by:
Barker Minerals Ltd.
Langley, British Columbia

By:
John G. Payne, Ph.D.,
Consultant Geologist
May 1999

Assessment Report
on the
Geology, Geochemistry, and Geophysics
of the
Ace & Little River Properties,
Cariboo Mining Division, British Columbia

52°45' N; 121°15' W
NTS - 93 A 14

for

Barker Minerals, Ltd.

by

John G. Payne

May 1999

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Geology, Geochemistry, and Geophysics of the Ace & Little River Properties, Cariboo Mining Division, British Columbia

52°45' N; 121°15' W
NTS - 93 A 14

1.0 INTRODUCTION

1.1 Scope and Summary of Work

This report describes work done on behalf of Barker Minerals, Ltd., on the Ace and Little River properties during 1998. The work is summarized below.

Surface Geology
surface mapping of an area of about 6 sq. km in the Ace property
data compilation
petrographic reports on 28 outcrop samples
Diamond Drilling and Related Geology
1260 metres in 7 holes in the core of the Ace property, surveying of drill collars. Thin-section petrographic analyses were made on 47 samples from the drill core. 161 core samples were analyzed by 31-element I.C.P. and Au-assay methods.
Rock Samples (Peripheral Claims)
In the peripheral property, 225 rock samples were collected from the Black Bear, Amanda, Jess, Bruce, and Chris claims, and 24 were analyzed by ICP, whole-rock, and Au-assay methods
Stream-Sediment (Silt) Samples
257 samples were collected from the Black Bear, Amanda, Chris, Jess, Bruce, and Ace claims. Of previous samples, 19 were reassayed to check for coarse gold.
Soil Samples
On the Ace property, seven soil samples were collected and analyzed from the Ace11 ad Ace 13 claims. On the Peripheral property, 5 samples were collected and analyzed from the Chris 7 and Chris 11 claims.
Surveying, Line Cutting and Grid Rectification
Satellite-based surveying was used to locate drill holes and to correct the location of Colleen Road (the previous location was in error by up to 20 metres. The "idealized" grid prepared in previous exploration programs was improved by measuring distances between lines along the 8400 road and locating some line-ends along Little River. Further work needs to be done to complete this process. When it is finished, previous geological, geophysical, and geochemical data will be plotted and interpreted on the rectified grid.
Magnetometer Survey
Minor magnetometer surveying was done along roads on the Amanda, Black Bear, Chris, and Bruce claims.
Report preparation
This report was prepared.

1.2 Location and Access

The Little River Area is 95 km northeast of Williams Lake, the nearest supply center, and 34 km northeast of Likely, the nearest settlement (Figure 1). Williams Lake is an intermediate-sized city on Highway 97, on the B.C. Railway, on a major hydroelectric power grid, and with a modern airport. By road, Likely is 65 km northeast of 150 Mile House on Highway 97. The Ace property is one-half hour by excellent gravel logging roads northeast of Likely. Weldwood has been actively logging fir, spruce and pine in the area, principally during winters, and has provided outlines of existing and planned roads and cut-blocks in and near the project area. Barker Minerals, Ltd., maintains a property in Likely which includes a house, a bunkhouse, a workshop, and a few tents. The house serves as a field office.

1.3 Property (Claims)

The property consists of the Ace claims and the Peripheral claims, all of which are registered in the name of Barker Minerals, Ltd. The Ace property consists of 176 units, staked mainly by the two-post method (Figure 2a). The Peripheral claims consist of 2590 units, staked mainly by the four-post (metric) method (Figure 2b). The list of the claims and pertinent data are in Appendix 1.

1.4 Regional Economic History

Gold was discovered in the Barkerville-Wells area in 1858. Historical production totalled 3.7 million troy ounces, with 1.93 million ounces from placers and 1.8 million ounces from 2.74 million short tons of underground ore. The historic Bullion Pit near Likely produced 175,700 ounces of gold from 200 million tons of gravel and about $1/100^{th}$ as much platinum. Gold and platinum were reported in similar proportions in placers in the Frank Creek area.

Much of the lode and placer gold production from the Wells and Barkerville areas, and most of the important gold prospects in the region are in the eastern or "upper" third of Barkerville terrane (Figure 3). At the historic mines, the strata trend 045° and dip 45°NE, and are cut by north- to northeast-trending normal faults dipping 60°E. The zones of economically important quartz veins were near a contact between carbonate-bearing and graphite-bearing layers. The miners called these the Baker and Rainbow members, respectively, the ore being mainly in the Rainbow member. Replacement bodies of auriferous pyrite in carbonate rocks mainly in the Island Mountain Mine north of Jack of Clubs Lake accounted for about one-third of the total ore mined.

Late, normal faults cut strata of different competencies – brittle black quartzite and light coloured carbonate – and produced dilatent zones that were filled preferentially by quartz veins. Foliation in the rocks commonly is parallel to bedding, and isoclinal folds are common. Two sets of quartz veins are mineralized – transverse veins striking 030°, and diagonal veins striking 070°. Two other sets of quartz veins are unmineralized. In places, ore zones consist of a high density of short, discontinuous veins. Transverse veins with widths to 0.3 m and lengths to 15 m, are the most abundant. A few diagonal veins are up to 45 m long. Miners estimated grade using the rule of thumb that 100% pyrite would yield 2 oz/st Au. Ore veins contained 15-25% pyrite. Pyrite in altered wall rock contained less gold.

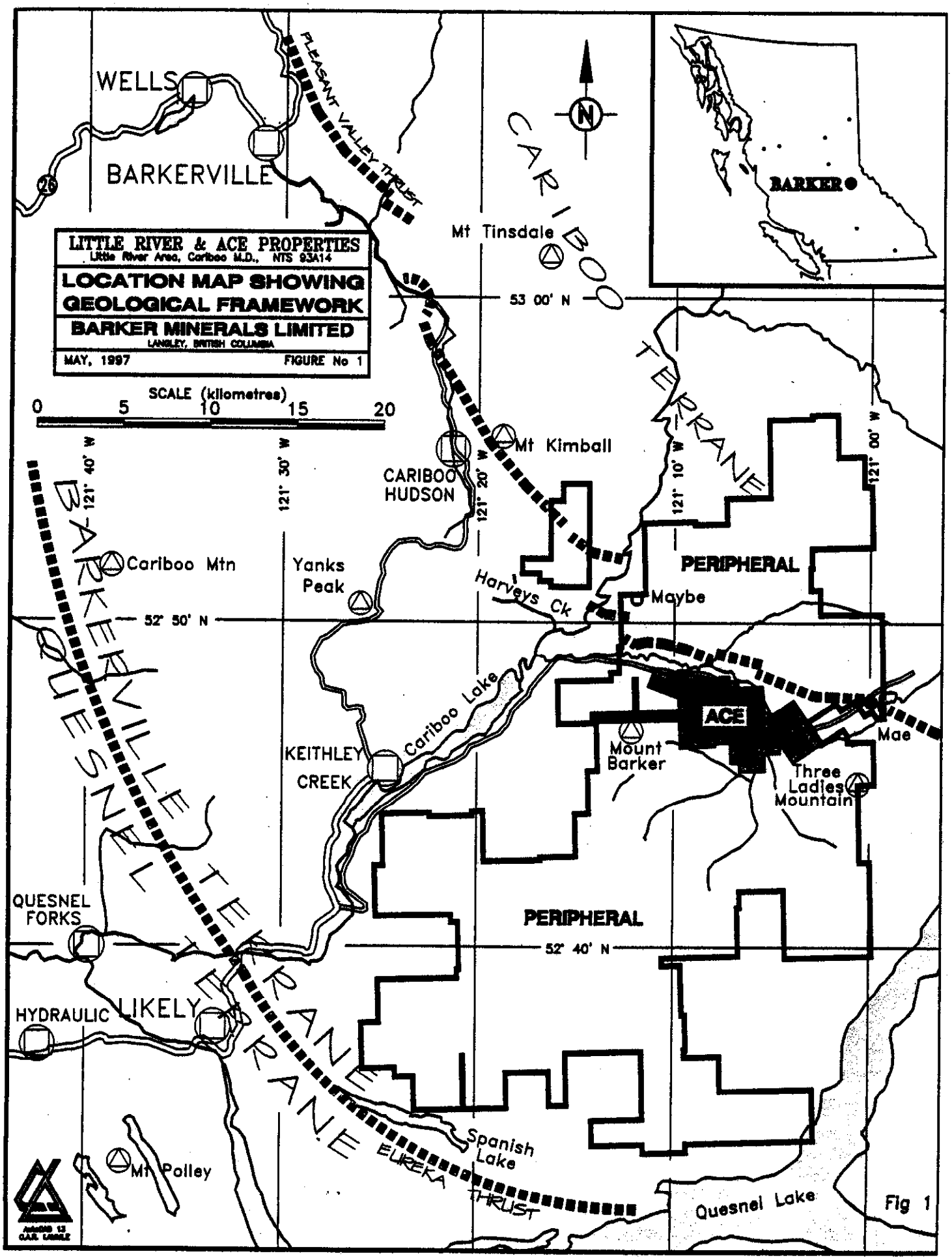
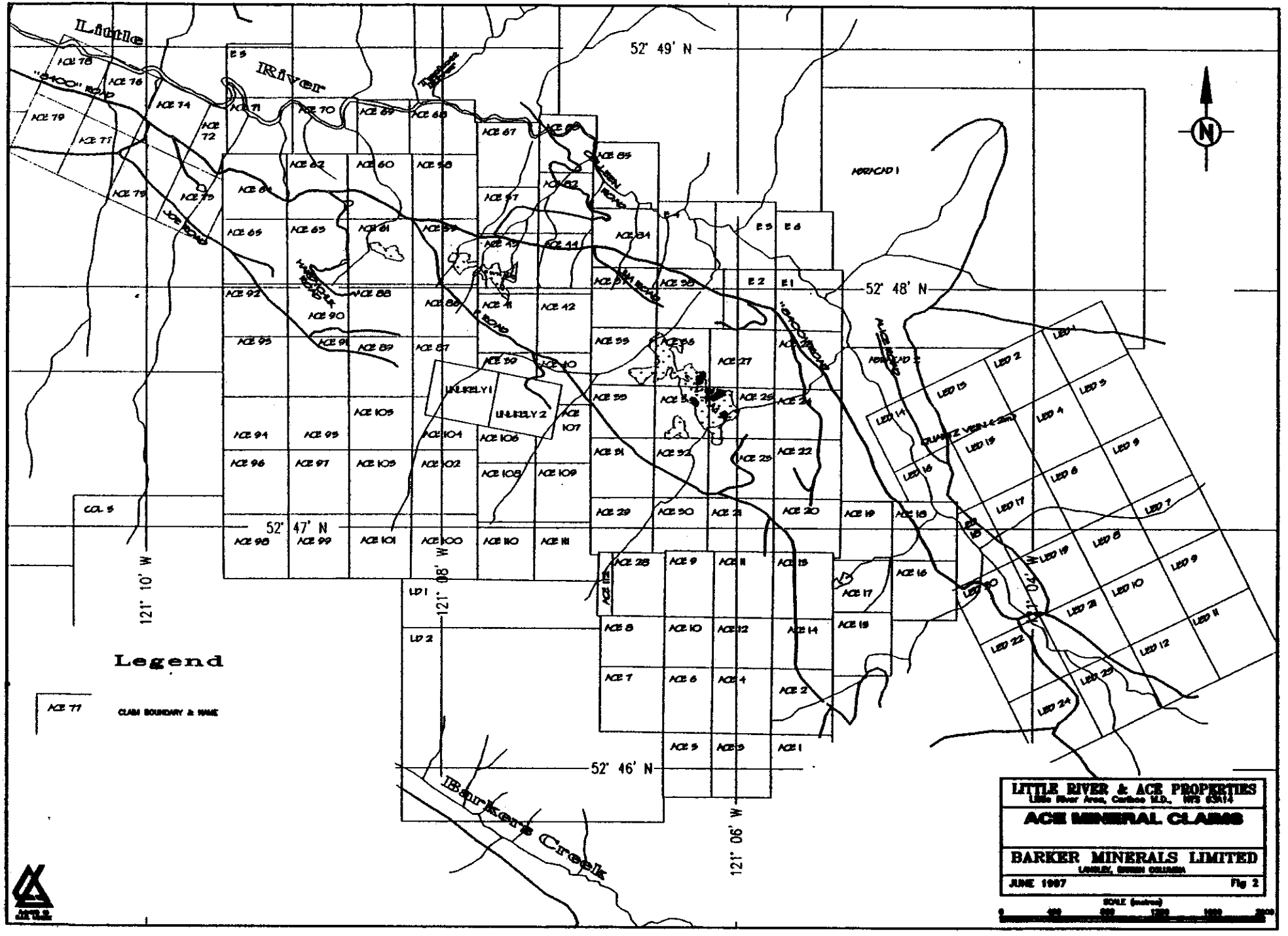


Fig. 1 Location Map Showing Geological Framework


Little River
52° 49' N
52° 48' N
52° 47' N
52° 46' N
121° 10' W
121° 08' W
121° 06' W
Barker Creek
Legend
CLAIM BOUNDARY & NAME
LITTLE RIVER & ACE PROPERTIES
ACE MINERAL CLAIMS
BARKER MINERALS LIMITED
JUNE 1987
Fig 2

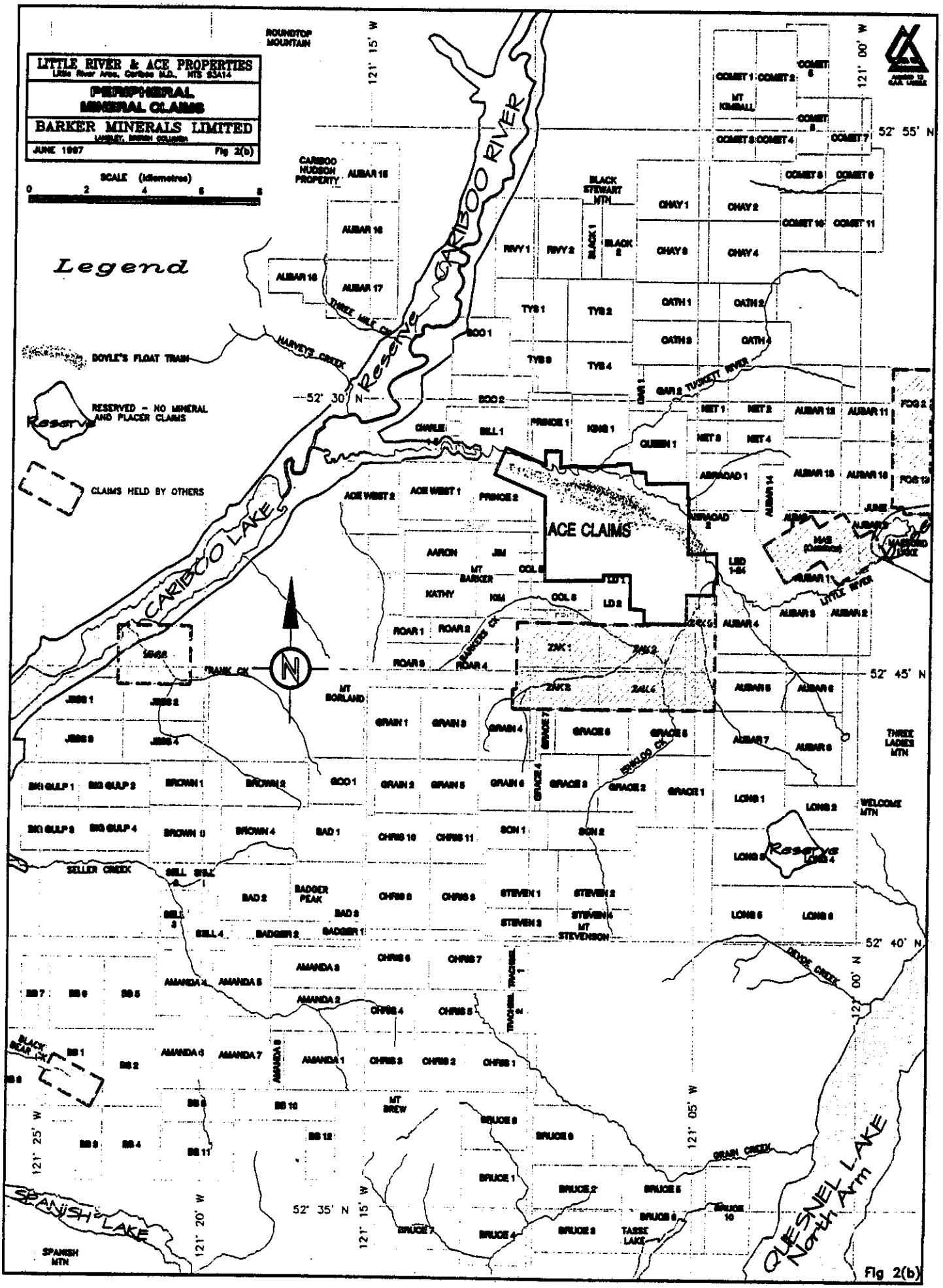


Fig. 2(b) Peripheral Mineral Claims

Other common sulfides in the mines are arsenopyrite, galena, sphalerite, cosalite (PbBiS), scheelite, and bismuthinite (BiS_2). Free gold commonly occurs with nests of cosalite. Gangue minerals are quartz and ankerite/siderite. Wallrock alteration minerals are ankerite and sericite.

1.5 Geography, Physiography, and Glacial Geology

The Little River Area is in the central part of the Quesnel Highland between the eastern edge of the Interior Plateau and the western foothills of the Columbia Mountains. It contains rounded mountains transitional between the rolling plateaus to the west and the rugged Cariboo Mountains to the east. Pleistocene and Recent ice sheets flowed away from the high mountains to the east over these plateaus and down to the southwest (Cariboo River), west (Little River) and northeast (Quesnel Lake), carving U-shaped valleys.

The last glacial stage that affected Quesnel Highland, the Fraser glaciation, began 30,000 years ago. Much of this ice disappeared 10,000 years ago, but small alpine remnants are preserved high in the Cariboo Mountains. At lower elevations, glaciers of this age scoured the debris left by preceding ice advances, almost completely destroying them, and left a chaotic assemblage of unsorted till, moraine, and drift, with lenses of gravel and sand that had been roughly sorted by meltwater and rivers, and beds of silt and clay that were stratified by settlement in ice-dammed lakes. In the Cariboo area, the debris covers bedrock in valleys below 1700 m, leaving typical glacial features: U-shaped valleys, ice-sculpted drumlins, moraine terraces, and glacier and river benches. On the Barker properties, glacial deposits range from one to a few tens of metres thick. Some glacial till deposits are overlain by well bedded, glaciolacustrine clay and silt deposits up to a few tens of metres thick.

In much of the Cariboo district, a distinctive, hard, compact, and semi-rigid, blue clay sits either on or slightly above bedrock and acts as "false" bedrock. It was formed from glacial drift left by the last ice advance prior to the Fraser glaciation, and was compacted by the weight of the Fraser stage ice. In the placer-gold areas of the Cariboo, large amounts of gold were recovered from gravel resting on this clay. In places the clay layer was penetrated by the miners to reach richer pay streaks on true bedrock below.

Precipitation in the region is heavy, with rain in the summer and snow in the winter. Drainage is to the west via the Cariboo, Little, and Quesnel Rivers to the Fraser River. Quesnel Lake, the main topographic and scenic feature in the region, is a deep, long, forked, glacier-carved lake with an outlet at 725 m elevation.

1.6 Previous Work on the Property

In 1993, at the outlet of a culvert on the "F" spur, a branch off Weldwood's "8400" logging road, a grab sample of sand collected by Louis Doyle (possibly contaminated by another from 2 km down the road) assayed 129 g/t gold. At the end of October, Doyle staked the Unlikely I and Unlikely II claims on the probable source area; in November these claims were put into a new company, Barker Minerals Limited.

In 1994, the Ace claims were staked on the north-facing slope of Mount Barker around the Unlikely claims. Prospecting, reconnaissance geology, line cutting, and soil geochemistry during the summer of 1994 located many, glacially transported cobbles and boulders of veins of quartz and quartz-

pyrite-pyrrhotite, and of semi-massive to massive, iron-rich sulfides. Many of the boulders of quartz-rich veins and massive sulfides in the boulder field are subrounded to subangular, and many of the nearby coarse blocks of country rocks are strongly angular. These data suggest the source of the boulders probably is bedrock from beneath the glacial deposits only slightly up-glacier from their present positions.

The main boulder field, along Weldwood's main "8400" haul road from Km 8423 to Km 8431, is 8 km long and several hundred m wide. Many boulders are of quartz veins with minor to moderately abundant amounts of one or more of tourmaline, sphalerite, chalcopyrite, galena, and graphite. Grab samples from many boulders contain economically significant values of gold and/or base metals. The average of 53 widespread float boulders of sulfide-bearing quartz veins is 3.1 g/t Au, with values ranging up to 29 g/t Au. Many of the higher-grade gold samples contain significant values in lead (1000-2000 ppm), bismuth (100-2500 ppm), selenium (20-50 ppm) and Te (10-34 ppm). Several, pyrrhotite-rich massive sulfide boulders contain 3-13% Zn+Pb, and up to 3 oz/t Ag and 0.25% Cu. Gold has been and continues to be the major economic focus.

The 1995 program included prospecting, line cutting, geochemistry, geophysics and geology. This expanded the database and outlined geophysical and geochemical targets for future work.

In 1996, Barker Minerals staked 2590 peripheral claim units and did limited trenching, geological mapping on the Ace property, and regional stream sampling and magnetometer surveys on the Peripheral claims. Previously, scattered, small parts of the Peripheral claims had been studied, producing 51 assessment reports from 1973 to 1990.

In 1997, surface mapping was begun in an area of 2 sq. km in the core of Ace property. Detailed geological mapping and sampling was done on 20 trenches totalling 1084 m in length and 46 test pits. On the Ace property, 433 rock samples were collected, of which 343 were analyzed by ICP, whole-rock, and Au-assay. In the Peripheral property, 151 rock samples were collected, of which 27 were analyzed by ICP, whole-rock, and Au-assay. Petrographic analyses were made on 101 rock samples, 49 from the surface of the Ace property, 45 from drill holes, and 7 from the peripheral claims..

For stream-sediment (silt) samples, 201 samples were collected and analyzed on the Ace property, and 130 samples were collected and analyzed on the Peripheral property. On the Ace property 336 soil samples that had been collected in 1996, were analyzed in 1997. As well, 30 soil profiles were measured, sampled, and analyzed.

At the west end and northeast corners of the Ace grid, 31 km of lines were cut. The "idealized" grid prepared in previous exploration was partly rectified by surveying junctions of grid lines with roads and Little River. This work continued into 1998. When it is finished, previous geological, geophysical, and geochemical data will be plotted and interpreted on the rectified grids.

On the Ace property, geophysical surveys included 11.9 km of magnetometer survey and 8.7 km of beep-mat survey.

Extensive work has been recorded by Cominco on the Mae Prospect just west of Maeford Lake, and by Gibraltar Mines on the Cariboo (Maybe) prospect, just northeast of the confluence of the Little and Cariboo Rivers. Cominco owns the former and Barker Minerals owns the latter. The Mae prospect, on an erosional plateau surface, contains white and light green sphalerite and galena at

three proximal stratigraphic levels in the Bralco marble near a contact with argillite and quartzite. At the Cariboo prospect, limited bulldozer trenching and 21 diamond drill holes by Gibraltar Mines produced a calculated mineral inventory of 400,000 tonnes with a grade of 4% Zn+Pb.

Elsewhere in the Cariboo terrane, extensive geological, geochemical, and geophysical work defined a broad zone of complexly folded, ductile carbonate and brittle quartzite in which sphalerite and galena occur in small quartz veins and replacement deposits. Assays have been reported of Zn+Pb up to 6% with a few g/t Ag over widths mainly less than 1 metre. Most showings are of small, northeast-trending galena-bearing quartz veins in fractures in brittle rocks near the contact with more-plastically deformed rocks in the core of a broad zone containing anomalous soil and stream-sediment values in Zn and Pb. This zone extends for 20 km from the North Arm of Quesnel Lake to Black Stewart Mountain.

In the Barkerville terrane, near the mouth of Frank Creek 5 km east of the south end of Cariboo Lake, massive-sulfide boulders contain up to 5% Zn+Pb. The property contains the contact between Quesnel Lake orthogneiss and undifferentiated phyllite, quartzite, and carbonaceous members of the Barkerville terrane, which are warped around and partly truncated by the metamorphosed Paleozoic intrusion. Formosa Resources Corp. and Rio Algom Mines defined soil geochemical Pb and Zn anomalies and airborne Em and magnetometer anomalies.

In the Quesnel terrane, extensive work has been done by a number of companies along a southeast trend from the mouth of Seller Creek to east of the eastern end of Spanish Lake. The bedrock consists of marine, Mesozoic volcanic rocks of the Quesnel Trough. The earliest claim blocks were staked in response to the release of government regional geochemical data showing anomalies in arsenic and smaller ones in base metals. Areas of high arsenic were staked on the basis of a potential gold-arsenic association; however, only moderate to low values in gold and silver have been found to date. Some placer gold has been produced from Spanish Creek downstream from Spanish Lake, and a well-know bedrock gold prospect lies on Spanish Mountain southwest of the lake.

2.0 REGIONAL GEOLOGY

2.1 General

The regional geology was described by Struik (1983, 1988). The Barkerville terrane is considered to be the northwest extension of the Kootenay terrane, which to the southeast overlies the Monashee metamorphic core complex, a large uplifted mass of high-grade paragneiss, quartzite and marble. The Little River area is on the flank of the northern, unexposed portion of this core complex. Northwest from the North Arm of Quesnel Lake the characteristic metamorphic minerals change from sillimanite through staurolite-kyanite, almandine garnet, and biotite to chlorite northwest of the Ace claims. The garnet isograd runs northerly across the east-central part of the Ace group, and that of biotite is 30 km further northwest. Historic mines near Wells and Barkerville are in rocks of the greenschist facies. The age of both deformation and metamorphism is regarded as Mid-Jurassic, which is interpreted as the time of collision of the North American plate to the east with a group of island arcs to the west. In the Little River area, four main geological terranes are represented, most of which are dominated by marine sedimentary rocks (Figure 3).

2.2 Barkerville Terrane

Most of the Little River area is underlain by marine strata of the Barkerville terrane, whose age is classified broadly as Late Proterozoic to Mid-Paleozoic. It is categorized by the Geological Survey of Canada as a subdivision of the Kootenay terrane. The region was deformed by intense, complex, in part isoclinal folding and overturning that produced an intimate interlensing of impure quartzite, siltstone, ankeritic dolomite, pelite, and amphibolite. These rocks are cut by dikes and sills of metamorphosed diorite. Locally, stronger shear deformation produced mylonitic textures.
The northeastern third of this terrane is the main zone of economic interest in the Cariboo district. Struik described it as "gold-enriched", because it contains the historic Wells and Barkerville mines and the Cariboo Hudson deposit, respectively 39 and 18 km northwest of the Ace property. This zone contains olive and grey micaceous quartzite and phyllite, amphibolite, marble, meta-tuff, and meta-diorite sheets or sills. These descriptions are compatible with the rock types on the Ace property, although the latter contains more metamorphosed felsic/intermediate volcanic rocks. Stratigraphic tops are unknown.

The Barkerville terrane is cut by the Mid-Devonian Quesnel Lake gneiss (350Ma), a coarse grained, leucocratic, biotite granitic gneiss with megacrysts of potassium feldspar. The main body of gneiss is 30 km long by 3 km wide, and is elongated parallel to the eastern border of the Intermontane belt. Its contacts are in part concordant with and in part perpendicular to metamorphic layering. The Barkerville terrane hosts folded, sill-like masses up to 300 m thick of gneissic meta-diorite (400 Ma), and contains post-metamorphic anatectic pegmatite (86 Ma), particularly in a high-grade metamorphic aureole, northwest of the North Arm of Quesnel Lake.

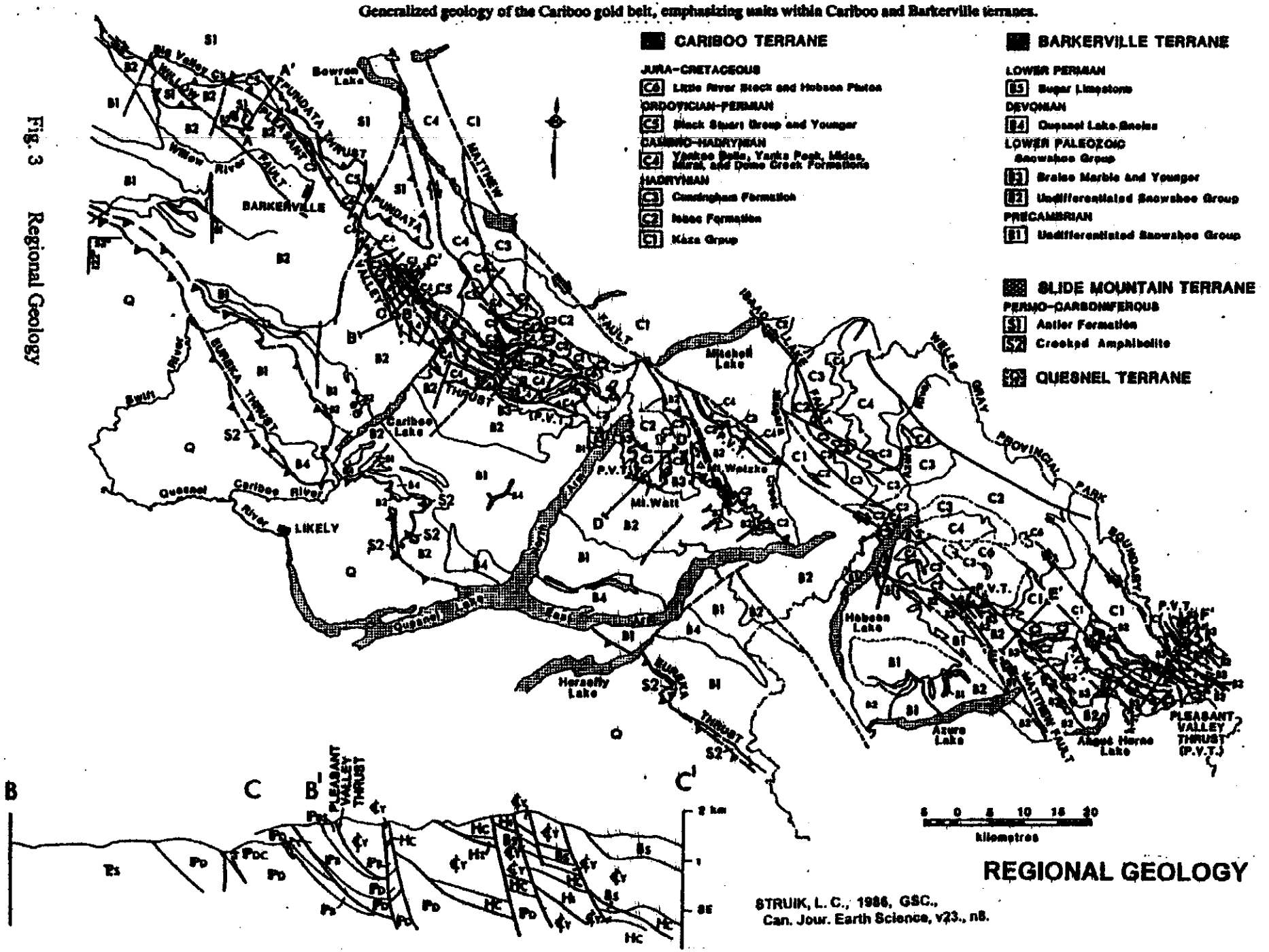
2.3 Cariboo Terrane

The northeastern part of the Little River area is underlain by marine peri-cratonic sedimentary strata of the Cariboo terrane, of about the same age as the Barkerville terrane. The Cariboo terrane consists mainly of limestone and dolomite with lesser siliceous, clastic, sedimentary rocks and argillite. Some geologists believe that the Cariboo terrane is a shallow, near-shore facies and the Barkerville a deeper, offshore facies of the same erosion-deposition system. No rifting is suspected between the Cariboo terrane and the North American continent, in contrast to the Barkerville terrane. The Cariboo and Barkerville terranes are separated by the regional Pleasant Valley thrust fault, which dips northeast moderately to steeply, and which is reported by Struik (1988) to have moved the Cariboo block from the east over the Barkerville block along a strike length of over 100 km. In the map area, the fault cannot be found, suggesting that much of the movement attributed to it may have occurred by shearing in a broad zone along the "contact" between the two terranes.

The Cariboo terrane was cut by the Jurassic-Cretaceous Little River stock, a medium-grained granodiorite grading to quartz monzonite. A normal fault along its southwest side (Little River fault) dips east and extends southeasterly to Limestone Point, on the western side of the North Arm of Quesnel Lake. It intersects, and, in some literature has been confused with the Pleasant Valley thrust. It moved strata of the Cariboo terrane of chlorite-biotite metamorphic grade eastward to rest against strata of the Barkerville terrane of staurolite-kyanite metamorphic grade.

Fig. 3 Regional Geology

Generalized geology of the Cariboo gold belt, emphasizing units within Cariboo and Barkerville terranes.



REGIONAL GEOLOGY

STRUIK, L. C., 1986, GSC.,
Can. Jour. Earth Science, v23., n8.

Some of the carbonate layers in the lowest part of the Cariboo terrane (or upper part of the Barkerville terrane) are enriched in zinc and lead. Since the 1970s, preliminary exploration on stratiform Zn-Pb targets has been carried out in this area over a strike length of 23 km from near the head of the North Arm, via Maeford Lake to the Cariboo (Maybe) prospect.

2.4 Quesnel Terrane

A small southwestern portion of Little River area is underlain by the Late Triassic to Early Jurassic, allochthonous Quesnel terrane. It is partly submarine and partly subaerial, and consists of volcanic and volcaniclastic rocks and comagmatic intrusions, with minor carbonate lenses and related sedimentary rocks. Regionally it hosts many important mineral deposits, mainly of Cu and Cu-Au, such as Highland Valley, Craigmont, Copper Mountain, QR, and Mt. Polley. The Bullion Pit, from which 175,700 oz. of placer gold were produced, is near Likely just on the west side of the boundary between the Barkerville and Quesnel terranes. The latter terrane was accreted to the North American continent, in part by subduction and in part by obduction. The Eureka thrust fault marks the boundary between the Quesnel and Barkerville terranes as well as that between the Intermontane and Omineca physiographic belts.

2.5 Slide Mountain Terrane

Rocks of the allochthonous, Devonian to Late Triassic, Slide Mountain terrane underlie a very small part of the Little River area. Portions of these rocks were obducted, and others subducted during collision of an oceanic plate with the continent. It is exposed east of Wells and Barkerville as the upper plate overlying the generally low-angle Pundata thrust fault. This fault it is nearly vertical where it crosses the southwestern part of the Little River area. Small slices of mainly mafic volcanic rocks and alpine-type ultramafic rocks of the Slide Mountain terrane occur in and parallel to the Eureka thrust. Minor lithologies include chert, meta-siltstone, and argillite.

2.6 Volcanogenic Massive Sulfide Deposits

Conformable, semi-massive to massive sulfide deposits of the Besshi type occur in the Kootenay terrane (Goldstream deposit), and in the Yukon-Tanana and Nisling terranes, and in the Klondike schist. Recent government work suggests that these may all be part of an elongate terrane that also includes the Barkerville terrane. Host rocks are deformed complexly and metamorphosed to micaceous quartzite, phyllite, and schist, commonly graphitic. Marble and meta-volcanic rock lenses are common. Besshi-type deposits contain pyrite, pyrrhotite, magnetite; and chalcopyrite, local sphalerite, and rarely galena. Host rocks are mainly sedimentary, commonly siltstone, quartzite, and carbonaceous schist near amphibolite (metamorphosed mafic volcanic rocks).

3.0 PROPERTY GEOLOGY

3.1 Ace Property

3.1.1 Surface

The Ace property and much of the peripheral claims are underlain by the Barkerville terrane that, except its easternmost part, is believed to be Late Proterozoic. In spite of the amount of work done prior to 1998, the Ace property has not been mapped geologically in detail, partly because of paucity of outcrop. Most outcrops are in creeks, road cuts, and several of the trenches dug in 1996 and 1997.

Mapping of the property in 1998 has added significantly to the geology. The low water level in the major rivers in the fall allowed mapping to be done of extensive bedrock in their floors and walls. Most of the outcrop in Little River is southeast of the bridge on Colleen Road. West of there, the river valley is mainly covered by alluvial deposits with scattered small outcrops, mainly at major bends. The northern slope of Barker Mountain is virtually devoid of outcrop from just south of the main trench area to the zone of abundant outcrops near the crest of the mountain. The diamond-drilling program in 1998 gave the first, detailed stratigraphic sections across the main zone of felsic volcanic rocks. Many geological questions remain unanswered, including the existence and location of the Pleasant Valley thrust fault and of two, northeast-trending cross faults that were reported to offset the Pleasant Valley thrust fault (Struik, 1988).

The detailed geology of the Ace property is shown in Figure 4. A fairly continuous stratabound interval of plagioclase-rich rocks, interpreted as metamorphosed and altered felsic volcanic rocks, extends in an east-west direction for 7 km across the centre of the Ace property from near the "J" Road at the west to Little River at the east. Because of very sparse outcrop west of the trenches, the thickness of felsic volcanic rocks in this region is unknown. In drill cores, the felsic unit is up to 80 metres thick. To the east, where the main band crosses Little River, the felsic volcanic unit is several metres thick. In the hangingwall (to the northeast) is a zone of quartz-muscovite-chlorite-leucoxene meta-sedimentary rocks containing intervals of bedded quartzite and quartz-rich schist. In the footwall (exposed mainly in drill core) are similar sedimentary rocks, but mainly lacking leucoxene.

North of Little River along a lower logging spur that extends east from the Cariboo Road (J road) is a band up to 50 m thick of similar, altered felsic volcanic rocks containing disseminated lenses of pyrite or pyrrhotite. These grade upwards into quartz-muscovite-(chlorite) schist with local intervals of quartzite. Further up section to the northeast (probably in the Cariboo terrane) is a zone containing black, siliceous argillite to quartzite and interlayers of banded marble.

The felsic volcanic unit is dominated by plagioclase with much less abundant amounts of muscovite, biotite, and quartz. It commonly contains 0.5-5% disseminated lenses of pyrrhotite parallel to foliation. In many areas, replacement patches consist of coarser grained plagioclase, quartz, ankerite, chlorite, and sulfides. Sulfides are mainly pyrrhotite or pyrite, with local concentrations of one or more of sphalerite, galena, and chalcopyrite. Two main alteration assemblages were recognized in trenches. The first consists of semi-massive to massive sulfide dominated by granular pyrite intergrown with abundant dark green chlorite and much less abundant sericite and quartz. The other consists of felsite containing 20-30%, very fine grained, disseminated pyrrhotite. Both types of altered rocks contain anomalous values in base and precious metals.

The widespread presence of 2-5% disseminated pyrrhotite and/or pyrite in felsic volcanic rocks along the main trend of the Ace zone suggests the potential for volcanogenic massive sulfide deposits. The mineralization in some of the boulders from Doyle's boulder field has been compared with that at the Goldstream deposit north of Revelstoke, and with the Vine prospect in the southeast corner of B.C (Hoy and Preto, 1996).

3.1.2 Diamond Drill Holes

Diamond drill holes (98-01 to 98-07) were drilled to test geophysical anomalies (conductivity high, resistivity low, and magnetic high) in a zone suspected to be underlain in part by felsic rocks with exploration potential for massive sulfide deposits. Their locations, between the main trench area and Colleen Road, are shown in Figure 4. Many were drilled to the south at -45°, about perpendicular to the regional trend of the metamorphic foliation. A few were drilled at -60° to cut across specific geophysical anomalies. Details of locations are given in Appendix 2.

Detailed drill logs are in Appendix 3. All holes except 98-05 intersected felsite, whose thickness ranges from 3.5 to 81.5 m. Hole 98-03 contains 0.45 m of massive sulfide at the stratigraphic top of the felsite section. The massive sulfide is anomalous in Au, Ag, Cu, Zn, As, Se, Te, and Sb, and weakly anomalous in Bi, Mo, and Cd. The footwall alteration zone below the massive sulfide is anomalous in many of the same elements, generally with lower values than in the massive sulfide. As well, the footwall zone is moderately to strongly anomalous in Mo. Anomalous values in the footwall decrease moderately to rapidly away from the top of the section of felsic rocks. Deeper in the footwall, many samples are anomalous in Ag, Mo, and Zn. Hole 98-07 contains 0.36 m of semi-massive sulfide in the core of the felsite section. This is anomalous in Ag, Cu, Bi, and Se. Above and below this, rocks are weakly to moderately anomalous in Ag, Zn, Mo, Bi, and Se.

Felsic volcanic rocks consist mainly of extremely fine-grained plagioclase with minor biotite and/or muscovite. Many contain minor to abundant replacement and recrystallized patches of coarser grained plagioclase, with or without minor to abundant quartz, ankerite, muscovite, and pyrite. Some surface samples, previously described as metamorphosed diorite, are reinterpreted as recrystallized and replaced felsic volcanic rocks.

Some felsic volcanic rocks contain zones up to several metres wide of weak to strong biotite alteration, some of which occur in broad, diffuse envelopes about quartz-sulfide veins. In these zones, pyrrhotite is replaced by coarser-grained porphyroblasts and lenses of pyrite. Petrographic descriptions of rock samples are summarized in Appendix 4.

Veins with anomalous metal values are of three types. Quartz-pyrrhotite veins in DDH 98-01 are anomalous in Cu, Ag, and weakly anomalous in Bi. Quartz-pyrrhotite-tourmaline veins in DDH 98-02 are anomalous in Au, Ag, Cu, Zn, Bi, Se, and Te. A quartz-pyrrhotite vein in DDH 98-07 is anomalous in Au, Ag, Cu, Pb, Bi, and Se.

Comparison of drill-core data with previous analyses of boulders indicates that the massive sulfides and auriferous quartz-sulfide veins in the boulders and corresponding materials in the drill cores come from the same environments. This and the general angular appearance of the boulders and other large blocks of bedrock with which they occur in the overburden suggest strongly that the boulders are from a nearby source, probably slightly up-glacier from their present locations.

Numerous barren quartz and quartz-(chlorite) veins are present in many rock types in drill core, and are particularly abundant in some intervals of quartzite and quartz-rich schist.

3.1.3 Structure

The main metamorphic foliation (S1) in both the Barkerville and Cariboo terranes strikes northwest and dips 45-60° northeast. The axis of a major set of open to tight folds (F2) plunges 30° at an azimuth of 300-340°. In the axial zones of these folds a prominent lineation was developed parallel to the fold axes. In some F2 fold noses, a subvertical axial-planar foliation (S2) is prominent, but in many rocks it is not obvious. Abundant quartz veins occur as deformed lenses and boudins parallel to S1 foliation, and probably represent segregations from host rocks during early stages of D1 deformation and metamorphism.

The Pleasant Valley thrust fault, described by Struik, 1988, could not be identified, and probably does not exist in the area where he interpreted it to cross the Ace property. A fault may run along the lower part of Little River, but the presence of similar felsic volcanic rocks on either side of it indicates that it is not a major terrane-bounding fault. Two late, northeast-trending normal faults named the GSC-1 and GSC-2 faults were proposed by Struik; these extend southwest from the northwest end of Little River stock across the core of the Ace property to Barker Mountain. These faults were not confirmed by mapping in 1998.

3.1.4 Exploration Targets

The main exploration targets on the Ace property include

1. gold-bearing stratabound massive sulfides, possibly similar to those of the Besshi-type at Goldstream to the southwest,
2. early, deformed, gold-bearing quartz-sulfide veins in all rock types and associated pyritic replacement deposits in limestone, as at Wells and Barkerville, and
3. late, northeast-trending quartz veins containing gold, commonly with anomalous values in bismuth, and tellurium, silver, and lead.

3.2 Cariboo Prospect

The Cariboo (Maybe) prospect was explored in 1976 and 1978 by Gibraltar Mines Ltd. The prospect contains three main stratiform lenses of ankerite-quartz- sphalerite-galena-(pyrite) enclosed in limestone-rich intervals of probable Middle Devonian age (Hoy and Ferri, 1997) These, in turn, are interlayered with dark grey phyllite, graphitic phyllite. One prominent quartzite bed occurs 100 m stratigraphically below the sulfide-rich beds. The sulfide-rich layers have a higher grade core up to 1 m. thick of more massive sphalerite and galena, with dispersed and vein sphalerite-galena mineralization extending 2-3 m on either side. The rocks were deformed, sheared, and foliated, and some of the veins probably were formed by late- to post-tectonic remobilization. The high Zn/Pb ratio, moderate silver content and low gold content are similar to those of many carbonate-hosted Zn-Pb deposits, including those in the Early Cambrian platform carbonates of the Kootenay arc. A replacement origin proposed by Hoy and Ferri (1997) is supported by petrographic work done by Barker Minerals in 1997. No work was done on this property in 1998, although one traverse was done to the southeast along the extension of the stratigraphic zone containing it.

4.0 GEOCHEMISTRY

Samples were taken of rocks, soils, and stream sediments in the Ace core and in the peripheral claims. They were analyzed by standard ICP, and whole rock methods by Acme Analytical Laboratories, Ltd, of Vancouver, B.C. Hydride methods were used for Te, Se, and for low-level of As, Bi, Hg, and Sb. Sample locations are shown in Figure 5. Descriptions of rock samples are shown in Appendix 4. Analytical results are listed in Appendix 5. Samples were taken of the B-horizon at an average depth of 25 cm.

4.1 Ace Property

In the Ace property, samples of sulfide-bearing quartz veins and massive sulfides collected in previous years from boulders and trench samples show several, distinct assemblages of anomalous base and precious metals as follows:

A. Au, Bi, Ag, Cu, Se, Te
B. Ag, Cu, Se, Mo, - (Bi, Zn, Pb, Mn)
C: Cu, Zn, Ag, Se, (Mn)
D. Ag, Pb, Zn, As, Mo, - (Se)
E. Ag, Mo, - (Bi, Zn)
F. Zn, - (Mo, Cu, As, Se)
G. Mo, As, Se

Similar types of anomalies were encountered in samples from drill cores (Table 1a) and surface samples collected in 1998 (Table 1b).

The main gold-bearing assemblage is characterized by anomalous values in Au, Bi, and Te, with more sporadic anomalous values in Ag, Se, and Cu. This is the only assemblage that contains significant Te. It probably comes from late, gold-bearing quartz veins that crosscut foliation.

A second assemblage of uncertain origin is characterized by anomalous values in Ag, Cu, Se, and Mo, with weaker and more sporadic anomalous values in Bi and Pb.

A third assemblage is characterized by anomalous values in Cu, Zn, Ag, and Se, with several samples containing abundant Mn. A fourth assemblage is characterized by anomalous values in Ag, Pb, Zn, As, and Mo, with weaker anomalous values for Se. Some massive sulfide samples collected in 1988 contain highly anomalous values in Pb, Ag, Bi, Se, and Te, with more sporadic high values in Au, Sb, and Mo. These two assemblages suggest the presence of a volcanogenic massive sulfide source in the area above and southeast of Colleen Road.

Three multi-element assemblages represented by only a few samples each include the following: Ag-Mo with weakly anomalous values in Bi and Zn; Zn with weakly anomalous values in Mo, Cu, As, and Se; and Mo, As, and Se. Scattered samples are anomalous in one or two of these metals.

For soil samples taken from the Ace property, three major assemblages were identified. The most abundant assemblage is characterized by anomalous values for Hg, Ag, Cu, and Se, with commonly high values for Ca, Sr, Mn, and U. The presence of Hg and Se suggests an epithermal vein, with a high Ag/Au ratio. Some of these areas may be underlain by limestone (to account for the high Ca and Sr). These samples are clustered on L15N with a few on L14N and one on L18N, all between 10W and 16W.

Table 1. Drill Holes: Anomalous Samples

Hole	Interval	Length	Rock	Vein	Au	Ag	Cu	Pb	Zn	Mo	Bi	As	Se	Te	Cd	Sb	P	Mn
	metres	metres	Type		ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
90-01	32.55-33.55	100		*qo	3	298	123	22	9		3.4		1.3					
	35.95-36.22	27		*qo		66	24	8	4		0.4							
	43.8-45.0	120		*qo	2	65	30	6	5									
	100.6-100.65	5		*qo	78	644	654	19	15		5.9	14	2.2					2235
98-02	111.5-112.35	85		*qol		90	23	5	128									
	118.9-119.3	40		*qo		116	22	10	20									
	165.94-166.08	14		*q(Mo)	6	<150	13	15	15	468								
	176.55-178.1	155	Z + gr		9	196	206		60	12		17	2					1085
	178.6-179.6	100		*toq	26	1640	134	95			43.4		3.2	1.3				
	180.55-181.2	65		*qto	9	647	208	27		7	13.1		5.2	0.8				
	181.2-181.45	25		*q-lo	367	1330	203	110			117	3.4	4.1	2.6				1040
98-03	27.43-29.5	107	F,R			110	54			58		11						
	30.6-31.6	100	F-R		13	786	89	256	271	82	2.8	100	3.6		2.9			
	31.6-33.45	185	F		10	238	55	39	101	7.8		53	2.7					
	33.45-35.4	195	F			578		84	85	44	1.2	18	2.2					
	35.4-37.3	190	F	*q		852		120	81	13	1.9	30	1.1					
	37.3-39.05	165	C			980		331	602	10.5	1.5	15	3.7		7.1			
	39.05-39.25	20	F + Z		41	274	60	47	234	8.7		99	2.8		2	1.5		1610
	39.25-39.50	**25**	**S**		**149**	**760**	**604**	**22**	**309**	**4.1**	**1.1**	**775**	**16.1**		**1.7**	**2**	**0.34**	**7620**
	39.5-39.8	30	C		27	5510	85	56	202	22		136	4.3		1.3	1.2	0.14	2685
	39.8-40.0	**20**	**S**		**280**	**1495**	**467**	**42**	**345**	**7.8**	**1.9**	**396**	**17.6**		**2.2**	**3.1**	**0.35**	**4775**
	40.0-40.45	45	Z		66	235	70		170			163	2.1		1.3		0.15	6710
	40.45-41.60	115	Ft		39	556	242	57	142	4.1		81	5.1				0.17	3035
	41.6-42.67	107	F		15	486	102	77	411	51		59	4.7		4.8		0.25	1680
	42.67-43.7	103	F		33	673	247	77	519	79		73	6.2		6.5	1.7	0.28	2070
	43.7-45.5	180	F		9	886	214	158	875	4.2		26	6.9		5.5		0.21	6410
	45.5-47.1	160	F			358	48	73	291	5.4		34	3.6				0.15	2925
	47.1-48.3	120	F			250	60	32	89	38		29	3.2				0.25	1222
	48.3-49.5	120	F			310	51	45	266	16		16	2.4		1.3			
	49.5-50.5	100	F			184	58		151	11		24	2.7					
	50.5-51.85	135	F			332		77	156	86			1.4		1.5			
	51.85-53.15	130	F			281	39	35	320	52			2.2		3.6			
	53.15-53.4	25		*qo	48	458	86	20		11	4.5	72	2					
	53.4-54.86	146	F		5	791	32	88	85	95	5	11	1.6					
	54.86-56.6	174	F			334	49	22	112	46			3.5					

Table 1. Drill Holes: Anomalous Samples

	56.6-58.25	165	F			407	71		66	86	11.8		3.2					
	58.25-58.75	50		*qt-po	28	198	77			21		30	4.2					1485
	58.75-60.4	65	F			753	60	134	707	86	4.3		4.7		11.1			
	60.4-62.0	160	F			412	78	50	703	69			4.8		10.7		0.2	
	62.0-63.2	120	F			442	133	24	710	57	4.4		5.2		12.7		0.24	
	63.2-63.9	70	F	*qtop	21	382	111		58	24	1.7	11	4.3			0.8		
	63.9-65.2	130	F			209	63		69	10	1.3							1235
	65.2-67.0	180	F			344	70	34	155	5.6	1.8							1855
	67.0-68.15	115	F				68		96									1085
	68.15-70.4	225	F			300	88		70									1790
	70.4-71.9	150	F			529	62		91		4.7		3.8					
	71.9-73.45	155	F			248	80		145				2.7					
	73.45-74.8	135	F						169									
	74.8-76.2	140	F			287	57		118		2.5		2.5					
	76.2-78.7	250	F						113									
	78.7-79.2	150	F						160	4.8			3.7					
	79.2-80.7	150	F				100		113	7.7			3					1410
	80.7-82.3	160	F				50		243				2.9					
	82.3-83.8	150	F			288	59	20	194				2.7					
	83.8-85.34	154	F						151	5.7								
	85.34-86.5	115	F						122									
98-04	18.6-20.6	200	F		3			33	110	32		16	1.9					
	20.6-22.5	190	F		12				141			64	2.4					
	22.5-24.38	188	F		15	2770			133			62	1.9					
	24.38-25.7	132	R		27	1420		183	228	25	15.2	80	3.3		2.3			
	25.7-27.4	170	F+Z		31	600		70	232	52		83	3.6		2			
	27.4-30.9	150	F		111	485	177	68	738	20	2.3	194	5.9		5.8			2125
	30.9-32.8	190	F		14	660	64	99		105	1.9	96	4.2				0.69	
	32.8-34.4	160	F		25	1130	80	166		170	2.9	99	4.5		1.4		0.78	
	34.4-36.5	210	F		31	600		70		60		84						1180
	40.8-41.15	35		*qt-p	11	346	73			10.4	5	17	2.3					
	43.8-45.5	170	F			685	80	66		38	1.8		2.4					
	85.4-87.3	190	F		5		50		103	9.4								
	87.3-89.55	225	F	*qt-p			68			7.2								
	99.1-100.1	100	F			350				42								
	100.1-100.25	15		*qo	5	286	80	21					2.3					2607
	100.25-101.8	155	F						103									
98-05	no anomalies																	

Table 1. Drill Holes: Anomalous Samples

98-06	6.0-7.92	192	Rc,F						193	3.6								3170
	7.92-9.7	178	F				53	35	167	23		21	2.7		2.1			
	9.7-11.0	130	F		3	450	195	45	267	25	2.2		7.7		1.8			
	11.0-12.04	104	F		2	645	79	64	104	16.5	3.1		3.9		1.1			
	12.04-13.55	151	Rc		3					3.9								
	13.55-14.4	85	F/I						135									
	14.4-15.45	95	F						122									
	15.45-16.59	114	F			425	77	65	164				2.9					
	16.59-18.1	122	F						125									
	79.0-80.1	110	F			214	61		109									
	86.1-86.86	76	Z		4				110	3.4		8.3						1240
	97.0-97.3	30		*q-oa			73											
	106.25-106.6	35		*q-to	14	318	50			4.6								
	108.8-110.8	200		*q	6													
	110.8-111.1	30	R	*tp	12	400	81			3.1	7.8							
	111.1-112.45	135		*q-t														
	113.2-113.8	60	Z			319	61											

Table 1. Drill Holes: Anomalous Samples

98-07	58.0-58.7	70	F			1140		127		8.4	3	9.3						
	58.7-60.75	105	F		3					11.2		29						
	60.75-62.3	155	F		3					3.3		42						
	62.3-63.45	115	F		3		54			3.6		22						1090
	64.9-66.24	134	F#				83					25	1.7					
	66.24-67.9	166	F#b				53		104	5.1		15						1135
	67.9-69.8	180	F#b			245	83	43		15.5		14	2.6					
	69.8-71.1	130	F#b				72	22	184				2					
	71.1-73.15	205	F#b		3				120									
	73.15-74.2	105	F		3				108									
	74.2-75.3	110	F		5		92				1.9	10						
	(75.3-75.4 +	15		*qo	48	3400	181	250		3.1	238	34	4.6			0.7		2965
	75.97-76.02)																	
	75.4-76.75	120	F		3		50											
	76.75-77.75	100	F		5	290	71				2.3							
	77.75-78.67	92	F		4	467	151				6.5		3					1935
	78.67-79.04	37	F#b			205			317	17								3995
	79.04-79.4	36	S		6	1195	538	36	127	11	15.2		15.9				0.66	3555
	79.4-80.73	133	F			457	91	28	232	10.9	3.3		4.9		3.8		0.19	1401
	80.73-81.96	123	F						156									
	81.96-82.96	100	F						130				1.9					
	82.96-84.50	154	F-C,R		5	357	53	58	108	23			4.5				0.21	
	84.5-86.0	150	F		5	2790	44	376	460	75	9.1	38	4.5		11.2		0.38	
	86.0-87.55	155	F		4				200	5.4		16	4.3					
	87.55-89.13	158	F-#b					25	226	11.4			4.2					
	89.13-90.1	97	F			323		26	130	40		14	2.7					
	90.1-91.88	178	F			360	57	30		16.5	3.7	32						
	91.88-93.6	172	QLMr						104									
	113.2-115.21	201	F				123			7.5		19						1230
	114.0-114.35	35		*q	3													
	115.21-116.1	89	F		4		93			11.8		18						
	1161.-117.49	139	F		6		64			22		25						

Table 1b. Ace Surface: Anomalous Samples

A:	high-grade	Pb, Ag, Bi, Se, Te, (Au, Sb, Mo)											
Sample	**Au**	**Ag**	**Bi**	**Sb**	**Mo**	**Cu**	**Pb**	**Zn**	**As**	**Se**	**Te**	**Hg**	**Mn**
	ppb	oz/t	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppb	ppb	%
#59	**2840**	**142**	**1.24**	**66**	**93**	132	**52.8**	395	<5	**591**	**169**	<10	1.68
#64	35	**3.8**	0.02	21	8	20	6.8	875	<5	**230**	65	<10	0.05
#65	237	**4.6**	0.02	**59**	7	41	6.1	172	74	**324**	66	<10	0.01

Sample	**Au**	**Ag**	**Bi**	**Sb**	**Mo**	**Cu**	**Pb**	**Zn**	**As**	**Se**	**Te**	**Hg**	**Mn**
	ppb	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**	**ppb**	**ppb**	**%**
B:	**low-grade**		**Ag-(Pb-Zn-Cu-Bi-Se-Hg)**										
#14	3	2.2	6.7	0.3	2.2	60	337	77	5	0.7	0.3	<10	0.02
#15	13	**6.4**	16	0.6	21	193	715	273	18	4.9	0.5	<10	0.23
#19	18	2.3	2.2	0.8	2.2	**885**	66	49	4	5.5	0.8	**56**	0.33
#39	8	**5.1**	8	1	2	170	**13850**	**17270**	**78**	2.5	3.0	**70**	0.01
#149	49	3.8	**47**	0.5	3	69	728	80	8	1.3	1.1	13	0.02
C:	**Au-Bi-Te-(Cu)**												
#139	**755**	0.6	95	<0.2	9	315	45	15	7	9	9	<10	0.02
#140	**1220**	1.1	200	<0.2	3	485	20	20	2	3.1	**88**	10	0.01
#141	14	0.4	8	<0.2	2	278	4	36	2	3.4	5.2	<10	0.03
#148	**9130**	2.5	**630**	1.2	3	445	65	7	2	3.1	**22**	<10	0.01
#156	9	0.4	2	<0.2	4	380	10	285	<0.5	**14**	0.3	21	0.82
#160	255	0.5	84	<0.2	1	200	31	11	0.7	1.4	8.0	<10	0.01
P-79A	**2530**	1.5	**610**	1.3	6	235	20	7	9	5.9	10.2	<10	0.02
P-117	**845**	1.6	35	0.3	3	435	74	4	8	2.5	7.1	<10	0.01
P-126	27	3.6	158	0.3	3	175	180	7	1	0.7	0.6	10	0.01
P-131	153*	0.6	**1140**	1.3	3	200	510	10	11	1.1	0.8	<10	0.05
P-154	**620**	0.5	233	0.2	4	140	70	4	4	1.4	12.2	11	0.00
P-155	430	0.3	32	0.2	7	122	13	3	2	0.7	12.9	<10	0.00
P-223B	68	**80.3**	**2630**	6.2	1	145	**3240**	30	<2.5	**13.7**	**25**	<10	0.13
P-224	56	14.5	**970**	16.5	2	252	855	2	63	5.1	7.0	<10	0.00
P-372	86	1.1	108	0.5	1	680	21	11	1	2.0	**70**	<10	0.01
P-372B	350	0.8	102	0.2	2	330	10	4	1	1.5	**52**	17	0.00
9803	95	0.8	60	0.2	4	**1085**	7	13	0.5	2.5	**41**	<10	0.01
9806	**800**	0.8	43	<0.2	4	220	22	11	0.6	0.9	17	<10	0.04
9814	4	1.1	**140**	0.2	3	440	83	7	<0.5	2.8	**51**	14	0.01
9821	**14620**	**3.5**	**425**	0.3	3	**730**	11	11	<0.5	1.4	**42**	<10	0.04
9829	72	1.3	**390**	0.5	3	255	165	5	<5	<0.3	1.6	<10	0.00
9836	**850**	0.9	63	0.2	6	94	47	10	1.1	0.5	6.8	<10	0.02
129728	**2880**	0.4	**175**	<0.2	3	215	19	3	0.6	1.0	**30**	<10	0.01

The second most abundant assemblage is characterized by base metals dominated by Zn and Mo, with anomalous values for Cu and Pb, and weakly anomalous values for Ag and As. Samples are mainly between L14N and L16N between 8W and 9W. This association suggests a volcanogenic massive sulfide target.

The third and smallest group is characterized by moderately anomalous Mo, Bi, and weakly anomalous Au and As, and is represented by scattered samples (except for two proximal samples on L22N. Scattered samples on L12N, L11N, and L10N are weakly anomalous in Hg and Ag.

Several of the 30 samples taken from the soil profiles are weakly anomalous in Pb and Zn, and a few are weakly anomalous in Ag, Cu, As, and Bi.

4.2 Peripheral Claims

In the Peripheral claims, 151 rock samples and 130 stream-sediment samples were collected. Samples collected in 1997 that had not been assayed by the more sensitive method were reassayed in order to be able to compare them better with those samples that had been assayed in 1997 by the more sensitive method. Samples with anomalous multi-element base- and precious-metal values are listed in Table 2 (stream-sediment samples) and Table 3 (rock samples). Values are plotted on a series of fifteen 1:5,000 scale maps (Figure 5). All assays are listed in Appendix 6.

Samples R23, R25, R28, and R30, from the headwaters of Sellers Creek, are moderately anomalous in Ag. Samples R61, R62, R63, and R72, from the headwaters of Blackbear Creek on Claims BB8, BB1, and BB2, are anomalous in Ag, and more sporadically and weakly anomalous in Au, Zn, Mo, As, and Se. Sample R74 on Claim BB2 is weakly anomalous in Ag. These samples define a base- and precious-metal exploration target up to 10 km across on the Amanda and BB claim blocks. Sample R128, on a small creek on Claim Jess 1, near the Frank Creek showing, is moderately anomalous in Ag.

More closely spaced soil samples were taken in areas in which sampling in 1996 gave anomalous results. Not all of these have been assayed. Of the assayed samples 12 were from the Ace claims and 11 were from the Chris claim block in the Upper Grain Creek area.

Table 2. Peripheral Claims: Anomalous Multi-element Values in Stream-Sediment Samples

Sample	Au	Ag	Bi	Mo	Cu	Pb	Zn	As	Se	Te	Hg	Mn
	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	%
R23	9	*1.0*	0.8	**16.6**	189	123	**340**	9	3.4	0.7	136	2385
R25	9	*0.9*	5	5.1	86	27	160	6	3.3	0.2	91	887
R28	8	**1.7**	0.4	4.3	70	36	170	8	2.6	<0.2	95	1270
R30	11	*0.9*	0.9	6.3	120	49	190	14	3.3	0.3	142	1815
R61	*66*	0.6	0.5	7.0	66	39	200	12.6	2.1	<0.2	40	803
R62	**235**	*1.0*	0.9	**29.3**	135	49	335	**135**	**13.4**	0.2	29	800
R63	24	0.6	0.7	4.8	61	43	115	9	3.5	<0.2	41	905
R72	21	**2.4**	0.4	**15.2**	97	28	**422**	17	5.4	0.4	31	3230
R74	5	0.7	<0.2	3.6	48	17	114	4.4	1.3	<0.2	31	1275
R128	30	*1.0*	1.1	1.5	120	74	158	*74*	0.8	>0.2	94	1320

Table 3. Peripheral Claims: Anomalous Multi-element Values in Rock Samples

Sample	Au ppb	Ag oz/t	Bi %	Sb ppm	Mo ppm	Cu ppm	Pb %	Zn ppm	As ppm	Se ppm	Te ppb	Hg ppb	Mn %
A:	**high-grade Pb, Ag, Bi, Sb, Se, Te, (Au, Mo)**												
#13	**890**	**43.5**	**0.78**	**22**	**380**	154	3.4+	178	<5	**86**	**149**	<10	0.03
#59	**2840**	**142**	**1.24**	**66**	**93**	132	**52.8**	395	<5	**591**	**169**	<10	1.68
#64	35	**3.8**	0.02	**21**	8	20	**6.8**	**875**	<5	**230**	**65**	<10	0.05
#65	237	**4.6**	0.02	**59**	7	41	**6.1**	172	74	**324**	**66**	<10	0.01
#66	**720**	**56.5**	**0.55**	**49**	**170**	41	**53.9**	21	>5	**227**	**107**	<10	0.21
#66A	**665**	**44.6**	**0.43**	**31**	**120**	21	**43.5**	37	<5	**217**	**129**	<10	0.04
#67	**655**	**36.5**	**0.35**	**33**	15	47	**34.7**	160	<5	**176**	**106**	<10	0.02
#68	**2710**	**86.1**	**0.95**	**81**	10	86	**44.2**	37	<5	**575**	**93**	<10	0.00
#89	45	**28.8**	**0.25**	14	**510**	82	**31.4**	71	<5	**270**	**73**	20	0.00
#90	26	**45.4**	**0.37**	**84**	4	29	**55.7**	**4320**	<5	**715**	**141**	**86**	0.00
#125	300	**16.3**	**0.15**	**26**	**283**	68	**15.9**	505	<5	**153**	**72**	**140**	0.01
#126	180	**23.6**	**0.22**	**38**	**44**	22	**24.2**	245	<5	**205**	**117**	30	0.00
#127	18	**1.6**	0.01	<2	**47**	74	1.0	105	14	**20**	6	<10	0.05
#129	460	**16.3**	**0.12**	**22**	13	16	**14.7**	47	<5	**125**	**58**	<10	0.01
#130	29	**6.8**	0.003	**240**	6	12	**9.2**	300	**37**	**66**	4	<10	0.03
#131	84	**15.3**	**0.15**	<2	**28**	67	**16.1**	**1790**	<5	**125**	**117**	40	0.01
#132	122	**10.7**	0.09	5	10	16	**7.3**	25	<5	**96**	**30**	<10	0.01

Sample	Au ppb	Ag ppm	Bi ppm	Sb ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Se ppm	Te ppb	Hg ppb	Mn %
B:	**low-grade Ag-Pb-(Bi-Te-Zn-As)**												
#7	174	1.2	5	2	27	343	265	76	**85**	1.6	0.7	16	0.03
#30	21	**31.5**	3	8	3	7	**45000**	**3330**	25	3.4	**8.3**	<10	0.03
#96	60	**33.3**	**1875**	8	4	360	**2200**	7	8	5	**10**	11	0.01
#113	<5	16.3	2	22	2	22	**10140**	11	23	<3	<2	17	0.00
C:	**Cu-(Se-As-Zn-Hg)**												
#27	35	1.8	3	0.8	3	**663**	21	15	**44**	**21**	1	12	0.04
#32	6	1.5	3	0.3	4	**1815**	60	400	6	6	1	**180**	0.14
#35	26	0.4	3	<0.2	10	395	8	170	0.6	2.9	0.3	<10	0.05
#94	125	**11.4**	8	<2	7	**6330**	**590**	**980**	**160**	7	3	**84**	0.07
#114	59	1.4	29	0.6	3	2485	61	170	125	15	1	13	0.02
D:	**Au-(Bi-Te)**												
#99	**1200**	1.3	76	0.3	4	204	53	8	2	1	**36**	<10	0.03
#107	**3090**	0.5	**330**	<1	7	95	31	8	<2.5	<1.5	<1	<10	0.00
9844	43	2.0	**3800**	2	5	62	205	5	12	<1.5	16	<10	0.02
E:	**Ag-Bi-(Pb-Se-Te)**												
9811	20	**24**	**835**	2.1	4	243	**645**	4	<0.5	**12.6**	**10.2**	<10	0.00
F:	**Cu-Hg-(Au)**												
9813	45	2.2	<1	<1	2	**4690**	7	135	<2.5	<1.5	1.4	**490**	0.11

Table 3. Peripheral Claims: Anomalous Multi-element Values in Rock Samples (continued)

Sample	Au ppb	Ag ppm	Bi ppm	Sb ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Se ppm	Te ppb	Hg ppb	Mn %
G:	weak Cu-Au-As												
9823	94	0.3	4.4	<0.2	23	695	14	455	17	11.0	1.1	<10	0.01
9832	160	0.5	16	0.2	3	135	44	27	23	0.6	0.3	<10	0.02

Single or double element anomalies include the following: Sample #45 contains 3480 ppm Zn, Sample #53 contains 215 ppm Bi, and Sample 9801 contains 2400 ppm Cu and 1.4 ppm Ag

5.0 GEOPHYSICAL SURVEYS

5.1 Magnetometer

A reconnaissance magnetometer survey was done along the road in some of the Peripheral claims. Areas with anomalously high magnetic response are shown on Figure 5; they will be reexamined with a grid-controlled magnetometer survey.

This survey was done in the "walking mode" with the GSM-19 magnetometer. The magnetometer was used as a geophysical prospecting tool, as a result we identified areas of highly anomalous magnetics for follow-up with future grid controlled surveys. In the future these surveys will be reported in the prospecting section of our assessment reports.

The background in the Upper Grain area is approx. 57100 gammas, the areas greater than 59,000 gammas were plotted for detailed follow-up. This type of prospecting has proven invaluable in our exploration efforts in the past, as there is not an abundance of outcrop within the Goose Range.

6.0 CONCLUSIONS

6.1 Ace Property

The Ace property is underlain mainly by a section of metamorphosed sedimentary and volcanic rocks. The most important sedimentary types are quartz-muscovite schist, quartz-chlorite-muscovite schist, quartzite, quartz-rich schist, and quartz-muscovite-biotite schist. In the eastern half of the property, garnet is common, especially in muscovite-rich and biotite-rich schist. Minor argillite, calcareous argillite, and limestone are most common directly above the massive sulfide lenses. Deeper in the section on Barker Mountain and along Ishkloo Creek are minor amphibolite and biotite amphibolite.

Work in 1998 confirmed the presence of a volcanogenic massive-sulfide environment associated with metamorphosed felsic volcanic rocks along the trend of Doyle's boulder field of gold-bearing quartz veins and gold-bearing massive sulfide. Drill holes contain a few zones of metamorphosed felsic

volcanic rocks are up to several km long and 80 m thick. These are dominated by plagioclase with minor to moderately abundant quartz, muscovite, and biotite. At the top of the main felsic section in DDH 98-03 is a zone of massive sulfide 0.45 m thick with strong anomalies in Au, Ag, Cu, Zn, Bi, Se, and Mn. A few massive sulfide samples from trenches above this zone contain up to 2% Zn. A similar zone of semi-massive sulfides 0.35 m thick occurs in the centre of the section of felsic volcanic rocks in DDH 98-07. High-grade massive sulfide boulders occur in the Colleen Road area.

In some strongly altered footwall rocks, the host rock was replaced completely by massive, fine-grained pyrite and dark green chlorite. Others contain 20-30% disseminated, very fine-grained pyrrhotite. Altered felsic rocks contain anomalous values in base-metals and precious-metals, in part associated with recrystallized and/or replaced patches dominated by one or more of plagioclase, quartz, ankerite, and sulfides. Anomalous values increase in footwall rocks near the structural and stratigraphic top of the main felsic section. These patterns show characteristics of footwall rocks beneath a volcanogenic massive sulfide deposit.

The drill cores contain a few important faults up to a few metres wide. Because of the wide spacing of the drill holes, these could not be correlated between holes. The moderate to high graphite content of many of these makes them important conductors.

Most geophysical anomalies obtained in earlier studies can be explained by the rock and alteration types and patterns seen in the drill holes. The main geophysical and geochemical anomaly at the western end of the main trench area is open to the west in an area that is interpreted to be underlain by felsic volcanic rocks. This extends west of the massive sulfide occurrence in DDH 98-03. Vectors in the thickness of massive sulfides, intensity of alteration and geochemical anomalies, and thickness of the felsic volcanic section indicate that the area west of DDH 98-03 is a major exploration target. A second exploration target is partly defined by a broad geophysical anomaly northeast of the area of drilling. On surface this area contains rubble of felsic volcanic rocks and abundant boulders of quartz veins with anomalous values in base and precious metals.

Gold-bearing quartz veins occur in two main modes. The first is as early veins that were deformed strongly with the enclosing host rock. The second is as late crosscutting veins many of which trend northeasterly. Because many of the quartz veins occur in the same general region as the felsic rocks and boulders of massive sulfide, it is possible that their content of gold was in part derived from the host rocks and possibly from a massive sulfide body.

6.2 Other Properties

The Frank Creek showing is a Zn-rich exploration target in metamorphosed, intermediate to mafic volcanic rocks, which requires further work.

A base- and precious-metal exploration target up to 10 km across has been indicated by regional stream-sediment sampling and rock sampling in the Amanda and BB claim blocks.

7.0 RECOMMENDATIONS

The geophysical and geochemical surveys need to be extended to the west and east of the present surveys. These zones are along the axis of the main zone of felsic volcanic rocks. Geological vectors suggest that the most promising exploration target is west of the main trench area. Similar surveys

should be made over the belt of felsic volcanic rocks north of Little River. The rectification of the grids should be completed and earlier geophysical and geochemical results reinterpreted.

Geological mapping should continue in areas of potential outcrop of felsic volcanic rocks that were not examined in the 1998 study. Drilling should be done on targets identified in the geological mapping and geophysical surveys conducted early in the 1999 field season.

Detailed mapping and follow-up geochemical sampling and geophysical surveys should be done in areas of significant geochemical anomalies in the Peripheral claims.

8.0 CERTIFICATE OF ENGINEER

I, **John G. Payne**, do hereby certify that:

1. I graduated from Queen's University, Kingston, Ontario, in 1961 with a B.Sc. degree in Geological Engineering.

2. I graduated from McMaster University, Hamilton, Ontario, in 1966 with a Ph.D. in Geochemistry. My thesis topic was: The Geology and Geochemistry of the Blue Mountain Nepheline Syenite Body, Southern Ontario.

3. I am a Fellow of the Geological Association of Canada, Fellow No. 1677, and have been a member in good standing since 1969.

4. From 1967 to the present, I have been actively engaged as a geologist in mineral exploration, mainly in the North American Cordillera, but also in the South American Cordillera, Southeast Asia, and the Canadian Shield. As well, since 1974, I have been Senior Petrographer with Vancouver Petrographics, Ltd, Langley, B.C.

5. In the fall of 1998 I spent three weeks mapping the Ace property and 3 weeks supervising the diamond-drill program and logging drill core. I have discussed the program with Louis Doyle, President of Barker Minerals, Ltd., Grant Hendrickson, geophysical consultant for Barker Minerals, Ltd., and Trygve Hoy of the B.C. Geological Survey.

6. I have no present or planned interest in Barker Minerals, Ltd., or the claims described in this report.

7. This report was prepared at the request of Louis Doyle, President of Barker Minerals, Ltd.

8. I live at 877 Old Lillooet Road, North Vancouver, B.C., V7J 2H6.
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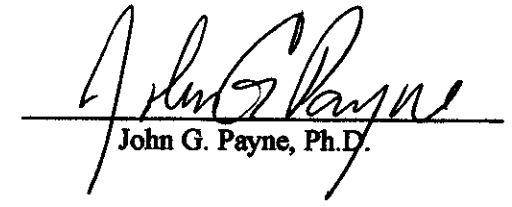
   e-mail: johnpayn@istar.ca

Dated at North Vancouver, May 1999.



John G. Payne, Ph.D.

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10.0 APPENDICES

Appendix 1: Claim Data

Appendix 2: Details of Diamond Drill Holes
- **2.1 Hole Locations**
- **2.2 Summary Diamond Drill Logs**
- **2.3 Correlation of Diamond Drill Analysis Samples with Laboratory Numbers**

Appendix 3: Detailed Diamond Drill Logs

Appendix 4: Summary of Petrography

Appendix 5: Rock Sample Description

Appendix 6: Geochemical Analyses
- **6.1 Assays and Geochemical Analyses from Drill Core**
- **6.2 Assays and Geochemical Analyses from Surface**

Appendix 7: Cost Statements

Appendix 1. Claim Data

347226	GRAIN 5	Good Standing 20000611	16
347227	GRAIN 6	Good Standing 20000611	16
347483	B.B. 1	Good Standing 20000614	20
347484	B.B. 2	Good Standing 20000613	20
347485	B.B. 3	Good Standing 19990616	20
347486	B.B. 4	Good Standing 19990614	20
347589	B.B. 5	Good Standing 19990616	20
347590	B.B. 6	Good Standing 19990620	20
347591	B.B. 7	Good Standing 20000617	10
347592	B.B. 8	Good Standing 20000619	20
347593	B.B. 9	Good Standing 20000619	10
347594	B.B. 10	Good Standing 19990621	14
347595	B.B. 11	Good Standing 19990619	20
347596	B.B. 12	Good Standing 19990622	8
347964	JESS 1	Good Standing 20000625	18
347965	JESS 2	Good Standing 19990623	18
347966	JESS 3	Good Standing 20000625	18
347967	JESS 4	Good Standing 19990623	18
347968	LONG 1	Good Standing 20000626	20
347969	LONG 2	Good Standing 20000626	15
348637	LONG 3	Good Standing 20000714	20
348638	LONG 4	Good Standing 20000714	20
348639	LONG 5	Good Standing 20000718	20
348640	LONG 6	Good Standing 20000718	20
348641	GRACE 1	Good Standing 20000718	20
348642	GRACE 2	Good Standing 20000716	20
348643	GRACE 3	Good Standing 20000718	20
348644	GRACE 4	Good Standing 20000718	5
348645	GRACE 5	Good Standing 20000716	18
348646	GRACE 6	Good Standing 20000718	15
348647	GRACE 7	Good Standing 20000718	12
351089	BIG GULP 1	Good Standing 19990908	12
351090	BIG GULP 2	Good Standing 19990908	15
351091	BIG GULP 3	Good Standing 19990906	12
351092	BIG GULP 4	Good Standing 19990906	15
364997	WB 1	Good Standing 19990808	1
364998	WB 2	Good Standing 19990808	1
		TOTAL CLAIMS	2692

PLACER

328701	KLOO 1	Good Standing 19990706	1
328702	KLOO 2	Good Standing 19990706	1
328703	KLOO 3	Good Standing 19990706	1
328704	KLOO 4	Good Standing 19990706	1

344015 GOO 1	Good Standing 20000226	20
345690 AUBAR 1	Good Standing 20000425	8
345691 AUBAR 2	Good Standing 20000425	15
345692 AUBAR 3	Good Standing 20000425	20
345693 AUBAR 4	Good Standing 20000425	20
345694 AUBAR 5	Good Standing 20000426	20
345695 AUBAR 6	Good Standing 20000426	16
345696 AUBAR 7	Good Standing 20000426	20
345697 AUBAR 8	Good Standing 20000426	20
345698 AUBAR 9	Good Standing 20000427	16
345699 AUBAR 10	Good Standing 20000427	20
345700 AUBAR 11	Good Standing 20000426	20
345701 AUBAR 12	Good Standing 20000426	20
345702 AUBAR 13	Good Standing 20000426	20
345703 AUBAR 14	Good Standing 20000426	16
346018 BRUCE 1	Good Standing 20000509	20
346019 BRUCE 2	Good Standing 20000511	18
346020 BRUCE 3	Good Standing 20000511	18
346021 BRUCE 4	Good Standing 19990509	20
346496 BRUCE 5	Good Standing 19990522	18
346497 BRUCE 6	Good Standing 19990523	18
346498 BRUCE 7	Good Standing 19990524	18
346499 BRUCE 8	Good Standing 19990524	20
346686 CHRIS 1	Good Standing 19990526	20
346687 CHRIS 2	Good Standing 19990526	16
346688 CHRIS 3	Good Standing 19990526	16
346689 CHRIS 4	Good Standing 20000527	12
346690 CHRIS 5	Good Standing 19990527	18
346691 CHRIS 6	Good Standing 20000527	20
346692 CHRIS 7	Good Standing 19990527	20
346693 CHRIS 8	Good Standing 19990528	20
346694 CHRIS 9	Good Standing 20000528	16
346695 CHRIS 10	Good Standing 20000528	20
346696 CHRIS 11	Good Standing 20000528	16
347057 COMET 8	Good Standing 20000608	9
347058 COMET 9	Good Standing 20000609	12
347059 COMET 10	Good Standing 20000608	12
347062 AMANDA 1	Good Standing 19990605	20
347063 AMANDA 2	Good Standing 19990606	18
347064 AMANDA 3	Good Standing 19990606	18
347065 AMANDA 4	Good Standing 19990611	20
347066 AMANDA 5	Good Standing 19990606	20
347067 AMANDA 6	Good Standing 19990611	20
347068 AMANDA 7	Good Standing 19990606	20
347069 AMANDA 8	Good Standing 19990606	4
347071 BRUCE 9	Good Standing 19990615	16
347072 BRUCE 10	Good Standing 19990606	18
347222 GRAIN 1	Good Standing 20000611	20
347223 GRAIN 2	Good Standing 20000611	16
347224 GRAIN 3	Good Standing 20000611	20
347225 GRAIN 4	Good Standing 20000611	20

338230	CHARLIE 3	Good Standing 20040713	1
338231	CHARLIE 4	Good Standing 20040713	1
338232	CHARLIE 5	Good Standing 20040713	1
339981	ZAK 1	Good Standing 20000916	18
339982	ZAK 2	Good Standing 20000915	18
339983	ZAK 3	Good Standing 20000917	18
339984	ZAK 4	Good Standing 20000915	18
339985	ZAK 5	Good Standing 20000919	16
343725	CHAY 1	Good Standing 20000213	20
343726	CHAY 2	Good Standing 20000213	20
343727	CHAY 3	Good Standing 20000213	20
343728	CHAY 4	Good Standing 20000213	20
343735	RIVY 1	Good Standing 20000215	18
343736	RIVY 2	Good Standing 20000215	18
343737	TYS 1	Good Standing 20000215	20
343738	TYS 2	Good Standing 20000215	20
343745	TYS 3	Good Standing 20000215	20
343746	TYS 4	Good Standing 20000215	20
343751	NET 1	Good Standing 20000215	10
343752	NET 2	Good Standing 20000215	20
343753	NET 3	Good Standing 20000215	12
343754	NET 4	Good Standing 20000215	12
343755	BOO 1	Good Standing 20010212	16
343756	BOO 2	Good Standing 20010212	18
343757	BLACK 1	Good Standing 20000215	12
343758	BLACK 2	Good Standing 20000215	18
343759	GAR 1	Good Standing 20000216	5
343761	GAR 2	Good Standing 20000216	20
343766	CATH 1	Good Standing 20000214	18
343767	CATH 2	Good Standing 20000214	12
343768	CATH 3	Good Standing 20000214	18
343769	CATH 4	Good Standing 20000214	15
343986	BROWN 1	Good Standing 20000224	15
343987	BROWN 2	Good Standing 20000224	18
343988	BROWN 3	Good Standing 20000224	20
343989	BROWN 4	Good Standing 20000224	20
343990	SELL 1	Good Standing 20000225	6
343991	SELL 2	Good Standing 20000225	4
343992	SELL 3	Good Standing 20000225	8
343993	SELL 4	Good Standing 20000225	12
344004	BAD 1	Good Standing 20000225	20
344005	BAD 2	Good Standing 20000225	20
344006	BAD 3	Good Standing 20000226	20
344007	BADGER 1	Good Standing 20000226	6
344008	BADGER 2	Good Standing 20000226	14
344009	STEVEN 1	Good Standing 20000227	20
344010	STEVEN 2	Good Standing 20000227	20
344011	STEVEN 3	Good Standing 20000227	10
344012	STEVEN 4	Good Standing 20000227	10
344013	SON 1	Good Standing 20000227	15
344014	SON 2	Good Standing 20000227	18

332106 LED 3	Good Standing 20021015	1
332107 LED 4	Good Standing 20021015	1
332108 LED 5	Good Standing 20021015	1
332109 LED 6	Good Standing 20021015	1
332110 LED 7	Good Standing 20021015	1
332111 LED 8	Good Standing 20021015	1
332112 LED 9	Good Standing 20021015	1
332113 LED 10	Good Standing 20021015	1
332114 LED 11	Good Standing 20021015	1
332115 LED 12	Good Standing 20021015	1
332116 LED 13	Good Standing 20021017	1
332117 LED 14	Good Standing 20021017	1
332118 LED 15	Good Standing 20021017	1
332119 LED 16	Good Standing 20021017	1
332120 LED 17	Good Standing 20021017	1
332121 LED 18	Good Standing 20021017	1
332122 LED 19	Good Standing 20021017	1
332123 LED 20	Good Standing 20021017	1
332124 LED 21	Good Standing 20021017	1
332125 LED 22	Good Standing 20021017	1
332126 LED 23	Good Standing 20021017	1
332127 LED 24	Good Standing 20021017	1
334101 JIM	Good Standing 20020212	15
334102 KATHY	Good Standing 20000212	15
334103 COL 6	Good Standing 20020212	10
334104 LD 1	Good Standing 20030212	6
334105 LD 2	Good Standing 20030212	12
334106 AARON	Good Standing 20000212	15
334107 KIM	Good Standing 20020212	15
334108 COL 5	Good Standing 20020212	10
334284 E 1	Good Standing 20030226	1
334285 E 2	Good Standing 20030226	1
334286 E 3	Good Standing 20030226	1
334287 E 4	Good Standing 20030226	1
334288 E 5	Good Standing 20030226	1
335484 ROAR 1	Good Standing 20000420	6
335485 ROAR 2	Good Standing 20000420	12
335486 ROAR 3	Good Standing 20000420	9
335487 ROAR 4	Good Standing 20000420	18
335600 E 6	Good Standing 20030422	1
335601 PRINCE 1	Good Standing 20020423	15
335602 PRINCE 2	Good Standing 20060423	20
335603 ABRACAD 1	Good Standing 20020422	20
335604 ABRACAD 2	Good Standing 20030422	9
335605 KING 1	Good Standing 20030423	20
335606 QUEEN 1	Good Standing 20020422	20
336739 ACE WEST 1	Good Standing 20060526	20
336740 ACE WEST 2	Good Standing 20060526	20
338226 BILL 1	Good Standing 20050714	20
338228 CHARLIE 1	Good Standing 20040713	1
338229 CHARLIE 2	Good Standing 20040713	1

331320 ACE 61	Good Standing 20050918	1
331321 ACE 62	Good Standing 20050918	1
331322 ACE 63	Good Standing 20050918	1
331323 ACE 64	Good Standing 20050918	1
331324 ACE 65	Good Standing 20050918	1
331325 ACE 70	Good Standing 20050919	1
331326 ACE 71	Good Standing 20050919	1
331327 ACE 72	Good Standing 20050919	1
331328 ACE 73	Good Standing 20050919	1
331329 ACE 74	Good Standing 20050919	1
331330 ACE 75	Good Standing 20050919	1
331331 ACE 76	Good Standing 20050919	1
331332 ACE 77	Good Standing 20050919	1
331333 ACE 78	Good Standing 20050919	1
331334 ACE 79	Good Standing 20050919	1
331335 ACE 82	Good Standing 20030920	1
331336 ACE 83	Good Standing 20030920	1
331337 ACE 84	Good Standing 20030920	1
331338 ACE 85	Good Standing 20030920	1
331501 ACE 86	Good Standing 20050927	1
331502 ACE 87	Good Standing 20050927	1
331503 ACE 88	Good Standing 20050927	1
331504 ACE 89	Good Standing 20050927	1
331505 ACE 90	Good Standing 20050927	1
331506 ACE 91	Good Standing 20050927	1
331507 ACE 92	Good Standing 20050927	1
331508 ACE 93	Good Standing 20050927	1
331509 ACE 94	Good Standing 20030928	1
331510 ACE 95	Good Standing 20030928	1
331511 ACE 96	Good Standing 20030928	1
331512 ACE 97	Good Standing 20030928	1
331513 ACE 98	Good Standing 20030928	1
331514 ACE 99	Good Standing 20030928	1
331515 ACE 100	Good Standing 20030928	1
331516 ACE 101	Good Standing 20030928	1
331517 ACE 102	Good Standing 20030928	1
331518 ACE 103	Good Standing 20030928	1
331519 ACE 104	Good Standing 20030928	1
331520 ACE 105	Good Standing 20030928	1
331521 ACE 106	Good Standing 20030929	1
331522 ACE 107	Good Standing 20030929	1
331523 ACE 108	Good Standing 20030929	1
331524 ACE 109	Good Standing 20030929	1
331525 ACE 110	Good Standing 20030929	1
331526 ACE 111	Good Standing 20030929	1
331527 ACE 112	Good Standing 20030929	1
332097 ACE 67	Good Standing 20051014	1
332098 ACE 68	Good Standing 20051014	1
332099 ACE 69	Good Standing 20051014	1
332104 LED 1	Good Standing 20021015	1
332105 LED 2	Good Standing 20021015	1

tenure	name	status	units
322616	UNLIKELY I	Good Standing 20031031	1
322617	UNLIKELY II	Good Standing 20031031	1
322720	ACE 1	Good Standing 20021107	1
322721	ACE 2	Good Standing 20021107	1
322722	ACE 3	Good Standing 20021107	1
322723	ACE 4	Good Standing 20021107	1
322724	ACE 5	Good Standing 20021107	1
322725	ACE 6	Good Standing 20021107	1
322726	ACE 7	Good Standing 20021107	1
322727	ACE 8	Good Standing 20021107	1
322728	ACE 9	Good Standing 20021107	1
322729	ACE 10	Good Standing 20021107	1
322730	ACE 11	Good Standing 20021107	1
322731	ACE 12	Good Standing 20021107	1
322732	ACE 13	Good Standing 20021107	1
322733	ACE 14	Good Standing 20021107	1
323065	ACE 15	Good Standing 20011205	1
323066	ACE 16	Good Standing 20011205	1
323067	ACE 17	Good Standing 20011205	1
323068	ACE 18	Good Standing 20011205	1
323069	ACE 19	Good Standing 20011205	1
323070	ACE 20	Good Standing 20011204	1
323071	ACE 21	Good Standing 20011204	1
323072	ACE 22	Good Standing 20011204	1
323073	ACE 23	Good Standing 20011204	1
323074	ACE 24	Good Standing 20011204	1
323075	ACE 25	Good Standing 20011204	1
323076	ACE 26	Good Standing 20011204	1
323077	ACE 27	Good Standing 20011204	1
323078	ACE 28	Good Standing 20011204	1
323079	ACE 29	Good Standing 20011204	1
323080	ACE 30	Good Standing 20011204	1
323081	ACE 31	Good Standing 20011205	1
323082	ACE 32	Good Standing 20011205	1
323083	ACE 33	Good Standing 20001205	1
323084	ACE 34	Good Standing 20001205	1
323085	ACE 35	Good Standing 20001205	1
323086	ACE 36	Good Standing 20001205	1
323087	ACE 37	Good Standing 20001205	1
323088	ACE 38	Good Standing 20001205	1
323089	ACE 39	Good Standing 20011205	1
323090	ACE 40	Good Standing 20001205	1
323091	ACE 41	Good Standing 20011205	1
323092	ACE 42	Good Standing 20001205	1
323093	ACE 43	Good Standing 20011205	1
323094	ACE 44	Good Standing 20001205	1
331316	ACE 57	Good Standing 20030918	1
331317	ACE 58	Good Standing 20050918	1
331318	ACE 59	Good Standing 20050918	1
331319	ACE 60	Good Standing 20050918	1

Appendix 2. Details of Drill Hole Data

2.1 Drill Hole Statistics

Drill Hole	E	N	azimuth	inclination	length (m)
1	627094	5852254	180	-45	300.21
2	626510	5852284	180	-45	199.63
3	624861	5852434	180	-45	157.90
4	625101	5852337	180	-45	199.94
5	627072	5851845	180	-60	150.81
6	626184	5852090	180	-70	134.11
7	625638	5852164	180	-45	117.49
Total Length					**1260.14**

2.2 Summary Drill Logs

98-01

0-12.2 m	*overburden*
12.2-130.4	quartz-rich schist, quartz-muscovite schist
130.4-133.9	**felsite**
133.9-136.8	argillite
136.8-198.3	quartz-muscovite-chlorite schist
198.3-209.7	quartz-calcite-muscovite-chlorite schist
209.9-214.4	siliceous argillite
214.4-270.9	quartz-muscovite-chlorite schist
270.9-290.6	quartz-rich schist, minor quartz-muscovite schist
290.6-300.2	quartz-muscovite schist

98-02

0-9.7 m	*overburden*
9.7-27.2	quartz-muscovite-chlorite schist
27.2-49.45	quartz-muscovite-biotite schist (biotite alteration)
49.45-119.37	quartz-muscovite-chlorite schist, quartz-muscovite-biotite schist
119.37-130.6	quartz-rich schist
130.6-147.3	quartz-muscovite schist
143.7-160.4	finely laminated carbonaceous meta-siltstone argillite
160.4-176.55	quartz-muscovite-chlorite schist
176.55-178.1	fault, abundant graphite
178.1-181.45	quartz-chlorite-muscovite schist with quartz-tourmaline veins
181.45-187.95	**recrystallized felsite**
187.45-199.63	quartz-muscovite-chlorite

98-03

0.0-10.0 m	*overburden*
10.0-24.75	quartz-muscovite
24.75-106.25	**felsite**
	39.25-39.5 massive sulfide
	39.8-40.0 massive sulfide
106.25-110.72	quartz-muscovite-chlorite-schist
110.72-119.6	siliceous argillite
119.6-121.3	quartz-chlorite-muscovite schist
121.3-127.4	**felsite**
127.4-157.9	quartz-muscovite-chlorite schist (variable)

98-04

0-6.9 m	*overburden*
6.9-16.8	quartz-muscovite-(biotite) schist
16.8-24.38	**felsite**
24.38-25.7	argillite, limestone (lost core)
25.7-36.5	**felsite**
36.5-39.5	mixed zone: quartz-chlorite-muscovite schist, felsite, limestone
39.5-72.9	quartz-chlorite-muscovite schist
72.9-79.1	quartz-muscovite-chlorite schist, minor felsite
79.1-85.4	quartz-chlorite-muscovite schist
85.4-89.55	**felsite**
89.55-98.7	argillite, quartz-chlorite-muscovite schist
98.7-101.8	**felsite**
101.8-108.2	quartz-muscovite-chlorite schist
108.2-109.3	**felsite**
109.3-122.5	quartz-chlorite-muscovite schist
122.5-199.94	quartzite, quartz-rich schist

98-05

0-7.2 m	*overburden*
7.2-14.28	quartz-muscovite-chlorite-garnet schist
14.28-22.1	quartz-chlorite-muscovite schist
22.1-47.75	quartz-muscovite-chlorite schist, quartz-chlorite-muscovite schist
47.75-70.6	argillite, intermediate crystal tuff
70.6-113.57	quartz-rich schist, quartz-muscovite-chlorite schist
113.57-122.6	quartz-chlorite-muscovite schist
122.6-150.87	quartzite, quartz-rich schist

98-06

0-4.57 m	*overburden*
4.57-7.92	argillite, calcareous argillite
7.92-18.1	**felsite**, minor calcareous argillite
18.1-34.53	quartz-muscovite-chlorite-garnet schist
34.53-39.1	argillite, cherty argillite, quartz-chlorite-muscovite schist, limestone
39.1-76.55	quartz-chlorite-muscovite schist
76.55-79.0	quartz-muscovite-chlorite schist
79.0-80.1	**felsite**
80.1-99.9	quartz-chlorite-muscovite schist, quartz-muscovite-chlorite schist
99.9-134.11	quartzite, quartz-rich schist, quartz-muscovite-chlorite schist

98-07

0-13.34 m	*overburden*
13.34-27.7	quartz-muscovite-biotite schist (biotite alteration)
27.7-29.8	quartz-muscovite-chlorite schist
29.8-47.17	quartz-muscovite-biotite schist (biotite alteration)
47.17-91.88	**felsite**
	79.04-79.40 semi-massive sulfide
91.88-112.3	quartz-chlorite-muscovite schist
112.3-113.2	argillite
113.2-117.49	felsic to intermediate tuff

Appendix 3. Detailed Diamond Drill Logs

Holes 98-01 to 98-07

DRILL CORE LOG.

Company BARKER MINERALS Property Ace Scale 1:20 Hole No. 98-01 (pg 1 of 11)

Started - Nov 6, 1998	Bearing - 180°	Lat.-	Collar El.-	Logged by: John Payne	Remarks:
Completed - Nov 9, 1998	Angle - -45°	Dep.-	Bottom El.	Size of core: NQ	
Driller - JT Thomas	Length 300.21 m.	Location-	Level-	Survey data: 149.5m 185°, -48.2°; 299 m 186°, -54.3°	

Interval From	Interval To	Recovery	M.	%	SVeg	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Assay Interval From	Assay Interval To	Assays
0	12.2					overburden (cased) - casing removed at end of drilling	O								
12.2	14.5	NQ2	1.53 of 2.1		85	Q, Q-MB, light grey, very fine grained, weakly banded. Q-MB zone ± B to 0.5cm.					6 cm *q dissem po (#o)				
14.5	16.3		0.6 of 0.95		90	Q-M@B, light grey with 5% @B 0.5-2mm	B								
			2.16 of 2.45		90										
16.3	17.2	NQ2				Q-m light/medium grey					3cm *q				
17.2	24.4		3.0 of 3.05		65 90	Q, pale grey to 18.55, then dark grey to 19.75, light to medium grey to end (light grey zones 0.5% dissem py or po-some with biotite lenses)					0.1cm *po (± bleached envelopes up to 2cm. - late *q-cp - 3mm (60°) ± dissem po, py				
		NQ2	1.3 of								20cm *q-pod 10cm clay rock chips; 5cm *q 10-15cm *q-l				
			1.8 1.85 of		85						1cm *q				
			1.85												
24.4	32.55		2.55 of 3.05			QM, QM-L, QM-B, Q-M b - thin interbeds colour varies from light to dark grey very fine grained mainly with po lenses // foliation					0.5% lenses po wispy 0.1mm; 4cm *q; 2cm *qd; 10cm *q				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-01 (page 2/11)

Started - Nov. 6, 1998	Bearing - /	Lat.-	Collar El.-	Logged by:	Remarks:
Completed - Nov. 9, 1998	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level-	Survey data:	

L = Lithology S = Structure M = Mineralization

Interval From	Interval To	Recovery M.	Recovery %	Core	Description of Unit	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
		2.67 of 3.05								many *q, *qd 0.2-1 cm ± lenses po				
		2.6 of 3.05		85 70						0.5-1% po lenses, dissem.	187002	31.0	32.55	
32.55	33.55				*q - massive, 5% po pods, lenses po.					*qo - 1m 5% po seams, patches *q - 8cm up to 4cm across minor cpy with po	187001	32.35	33.55	
33.55	38.6	2.98 of 3.05		85	QMB medium grey, brown spots 0.5mm uniform, slightly magnetic					0.5% po lenses	187003	33. 55	34.7	
		2.5		85	locally Q-MB (harder)					*q-o 25cm *qc 12cm *qo-c 3cm	187004	34.7	35.95	
											187005	35.95	36.22	
											187006	36.22	37.5	
38.6	41.2	of 3.05		85	Q variable - dark grey to white; white areas contain ct vein lets or ± #p at end, gradational to next unit					*c 0.5-1 cm, irregular, bleached envelopes				
41.2	43.4	2.1 of 3.05		80	Q-MB, -QM, medium grey, very fine grained, vague banding - at end, gradational into next unit					0.3-0.5% po lenses				
43.4	47.2	2.0 of 2.75			Q - some very similar to *q ± dissem py ; minor Q-MB					*q-lpc; col on margins a few gouge zones 2-5mm gouge in pyrite on vein contact *q-po; patches py, others of po up to several cm 5% overall	187007	43.8	45.0	
		2.75 of 3.05												
47.2	62.5			85	Q-MBP, -QM-B pale to medium grey (pale colours are bleached) Some layers may be QP-M					1 cm gouge 0.3% po lenses, 0.1% py 0.1% *q 3cm				
		3.35												
		2.45 of 3.05		90						± wispy *c 1-3 mm				
		1.25 of 3.05		85						5 cm *q-a 1-2% *p 0.1% dissem po lenses				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 48-01 (page 3/11

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location-	Level-	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Cores	Description of Unit (L=Lithology S=Structure M=Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
		1.6 of 2.75		90	56.2-56.4 QMB, 0.3% po lenses			=		*o-p 2-5mm + bleached envelope *q 5cm? badly broken *bq-p 2mm				
		0.85 of 1.55		80	59.4-59.5 3% po @ B 1mm					*d 1-2mm - veinlet zone + bleached host; cuts *q-p 3 offset 3-5mm	mm			
		0.9 of 3.35												
62.5	65.0	0.65 of 0.5		80	M-QL - medium grey to slightly greenish grey, soft - several gouge zones					*q 1-3cm B can clay, strongly broken below - poor recovery				
65.0	68.45	1.85 of 3.05		85	Q, Q-M dark grey, very fine grained @ 66.0 - light grey, weakly banded 68.0-68.1 minor QM@B					several clay zones - lost core *q-p 20-30cm - broken *qpd 3cm, 2cm	187008	65.0	66.3	
		1.45 of 1.77												
68.45	71.83	1.35 of 1.83		80	QM-B, -Qm - somewhat layered, light to medium grey, biotite 0.2-1mm - some porphyroblastic					0.05-0.1% po lenses, weakly magnetic				
		2.25 of												
71.83	75.5	3.05			Q, -Q-M, -QM dark grey to white (bleached)					*q, late *pl seams 0.5mm				
6.25	fo.3→			80	From 73.8 slightly greenish grey, vague banding in Q-m					*p (tourmaline) *q 1-2cm - in bleached zone to 73.0 several pyrite-quartz seams on fractures				
		1.4 of 1.83												
75.5	80.0	0.92	160		QM-B - light grey, rel. uniform.					*q 2-3cm 75.6 - patch octahedral py on fracture				
		2.92 of		75	bio as spots 0.2-1mm, po commonly with bio, locally some QM layers 0.2% po lenses // S,									
		3.05			78.6 small drag fold in S, 15cm amplitude									
				70						*qd 1cm				
80.0	84.1	2.95 of 3.05		75	Q-ML pale to light greenish grey, very fine grained, minor bands QM-B gradational / contact with next unit					*ql 3mm → *qc 7mm *q 5mm				
		2.9 of 3.05								*q-pl 15cm late *d 1-. mm, ± *p 0.5mm braided, // core *q 1-2cm, bleached envelope	2-3cm			

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-01 (page 4/11

Started -	Bearing -	Lot.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location-	Level-	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/AS	Description of Unit (L=Lithology S=Structure M=Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
84.1	90.6	2.9 of 3.05			Q-ML@B medium to light greenish grey 2-5% @B 0.5-2 mm	B				xq 0.5-1 cm 0.2% po lenses to 85.5				
		3.05 of 3.05	100	85	only minor @B 86.9-87.4; 88.8-89.3	B				xq 0.8cm py patch - 2cm long xq 1cm 0.5-2% dissem. py patches, some porphyroblasts 1-3 mm				
		3.03 of		85										
90.6	94.9	3.05			Q-ML medium greyish green, only minor @B. locally Q-ML@B.					- xc-p (epid) ± alt'n envelope xq-c 5cm 3-5mm 5cm broken rock-gouge	1cm		
		2.85 of 3.05		70	possibly some P near end. gradational to next unit					xc-p(epid) 1cm 0.5-1% dissem py				
94.9	96.6	2.93 of		80	QDM; QPM-@B light to medium grey. fine grained some areas 1-2% @B 0.5-1.5mm					dissem. py 0.5-1% to 95.3m xq 0.7cm				
96.6	101.3	3.05			Q-ML medium grey to greenish grey, very fine grained, variable, locally @B from 98.4-98.7 → QM-B					xq-a 3mm				
		2.95 of 3.05		85						xq-c 1cm xq 10cm xqa 7mm, 35° to core xq 7mm, bleached envelope, minor gouge				
				80						10cm gouge-rich zone in sheared, broken rock				
101.3	103.4	2.95 of 3.05		75	Q-MB, light to medium brownish grey vague banding, gradational contact to next unit					xq 5cm xqpo, 30° A core, bleached envelope - 1cm xqo-a 3cm 55° A core 0.1-0.2% po lenses - very fine	187009	100.6	100.65	
103.4	105.4				Q-PML medium to light greenish grey vaguely banded									
105.4	106.7	3.03 of			QMB, QMPL - fine grained, medium greenish grey to brownish grey					xqa 3mm, 1mm xqo 2mm xqo-1-2cm				
106.7	107.0	3.05		75	QMB. dark grey, very fine grained, +po					xqo-1cm 60° A core; po in & at vein				
107.0	108.0	2.98			QMG-B; similar to 105.4-106.7, but 2-3% garnet 1-3mm. 2cm QM 1st contact	G								
108.0	113.5	of 3.05			QML-GB % - medium to dark grey with abundant lenses light grey, quartz-rich rock 1-10mm wide 1-2% garnet 1-2mm	G				0.05% lenses po // Foliation xq 3-7 mm				
		2.65 of				G				Hq-irregular replacement/vein xq 10cm zones 1-2cm.				
		3.05												

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-01 (page 5/11)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location-	Level-	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/S	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
108.0	113.5	1.8 of 3.05		±30	below fault S, warped moderately over 50cm	G				15cm gouge, possibly lost core				
113.5	118.6			70	QM-L6B uniform, medium greenish grey 1-2% garnet 1-2mm, 0-1% biotite 0.3-1mm	G				*q 2-3cm, parallel to core, contorted 0.2m broken core ± gouge				
						G				bleached zone *qc late, 5mm, *q-p 1cm, bleached envelope broken core ± gouge	irregular - offset on S, 10cm			
		2.65 of		80		G				fine chips - lost core				
						G				0-1% po lenses throughout unit				
118.6	119.8	3.05			QM-L light greenish grey, uniform, 1-2% lensy quartz segregations									
119.8	120.25	2.95			QML-%Qd dark green with lenses @ folded					*q - 2cm				
120.25	121.2	of 3.05		80	QML-G finely layered, minor contortion of layers. Garnet 2-3% elongate, related	G				0.1-0.5% po lenses				
121.2	125.5	2.92 of			QML%Q dark grey to greenish grey with wispy quartz-rich segregations - strongly deformed - good S_2					*q - 7mm				
		3.05			locally minor garnet at start. grades to next unit					0.2-0.5% po lenses				
125.5	130.4	1.85 of 3.05			Rq%Q black with deformed quartz segregations, abundant graphite on S_1/S_2 good mirror surfaces - smooth to contorted					@124.3 graphite in small fault. @125 minor graphite on S_1	TS 124.0			
		1.45 of 2.44			graphite most abundant after fault.					0-0.5% po lenses - very variable. major fault - black gouge				
										graphite surfaces abundant resistance 10-100Ω				
130.4	133.9	1.48 of ±.52		80	QP-M - fine grained arenite? light grey massive, ± chloritic seams on shear surfaces					1% dissem py ± po				
		1.9 of 2.14			133.2-133.4 R-g-*q					*q 5mm	TS 132.2			
133.9	136.8	1.82 of 1.82	100	70 10	Rq%Q similar to 125.5-130.4 135.8-136.1 laminated bed & ∥ core 3cm thick, *q 1-2mm abundant.					graphitic surfaces - irregular *q-p 1cm graphitic fault (?) - 10cm low angle to core				
		1.73 of 1.98								graphitic broken zone 10cm *qpd 15cm *q - 10cm				
136.8	137.9				QML%Q - warped moderately to strongly									
137.9	142.65	2.31 of 2.31	100	85 70	QMLb medium greyish green, finely banded, quartz-rich lenses ∥ S_1 locally contorted @ 141-142					0.05-0.2% po lenses ∥ S_1 *qd - 5cm				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-01 (page 6 of 11

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level-	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core %	Description of Unit (L = Lithology S = Structure M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
137.9	142.65	2.93		70	scattered garnet 141, 141.6 141.0-141.2 bed of QMLB - arenite - finer grained lower down					*q - 2cm *q - 4cm				
142.65	143.5	of 3.05		75	R, dark grey to black, minor graphitic surfaces					5cm chips ± gouge ± *q → 10 cm pod with 5-7% po 0.05-0.1% po				
143.5	182.6	3.04												
		of 3.05		90	QML% Q - medium green-grey, light grey quartz lenses - moderately deformed 144.1-145.2 - abundant lenses Qd 144.7-145.2 5% garnet up to 1 cm 144.7, 144.8 - 2 strong graphite surfaces	G a	sl			two strong graphitic surfaces 0.05-0.2% dissem po lenses thruout this unit				
		2.98		80	147.0-147.3 QMLbd - finely layered, tight folds									
		of 3.05		85	148.9 - 152.0 moderate quartz segregation lenses ± garnet 1% 0.5-0.8 mm	G				5mm gouge 40° core				
		3.05 of 3.05	100			G				*o 2mm *q 5cm				
		3.0		80	153.5-160.5 moderate quartz segreg. ± minor garnet 0.5-9 mm.	±G				*o 2-4mm				
		of 3.05			154.2-154.5 bed QM-BL	±G								
		3.05 of 3.05	100	75	grades to QML-%Q - abundance of quartz-rich segregations varies moderately in zones from 30-100 cm in size					0.1-0.2% po lenses ↓ decreases				
		3.05 of	100			±G				*qd - 3cm *qd 1.5cm 0.0% po *qd 1-1.5cm -0.1 *qd 2cm				
		3.05		80						0.1% po lenses *qd 1cm				
		3.05 of	100		162.0 - 164.0 1% garnet 0.5-1.5mm locally 2-4% garnet	G G				*qd 8cm				
		3.05												
		3.05	100											
		of 3.05			167.1-167.7 2% garnet 1-2mm	G				weak to moderate clay on Si, locally strong.				
		2.93												

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-01 (page 7 of 11)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level-	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core SVA	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
143.5	182.6	2.93 of			QML - %Q - variable medium to light green-grey with light grey quartz lenses locally dark green layers, seams				0.1% po				
		3.05											
		2.90			171.3 - 171.6 1-2% garnet	G			0 - 0.05% po				
		of 3.05		85	172.8 - 173.9 1-2% garnet	G			0.1 - 0.3% po				
		3.0 of		98	174.2 - 175.0 dark grey - more argillaceous groundmass				- no po 0.1 - 0.2% po				
		3.05							xqod 1cm				
		0.6/66	100	90					fissile, platy core, broken 177.30 - 177.55				
		2.1 of 2.13			179.7 - 179.8 abundant quartz lenses				0.3cm gouge contorted qtz lenses 3-7mm.				
		2.95 of 3.05		85					0.5-0.8 cm gouge (probable lost core) 0.1-0.2% po				
182.6	184.5	2.90			QML/R - dark grey to black matrix from -%Q argillaceous content, wispy quartz segregation lenses				xqd 1-2cm,				
184.5	188.3	of 3.05		85	several weakly to moderately graphitic surfaces - locally R ~ 10-20 Ω	G			0.3-1% dissem po lenses				
		2.85 of		90	QML-G - %Q - dark grey - with light grey quartz lenses, ~30% garnet 1-4mm 187.9 - 188.15 QML/R, minor graphite				0.2-0.5% dissem po lenses xp 2-3mm, braided				
188.3	190.5	3.05			QML-G light to medium green-grey 0-2% garnet 0.7-1.5mm	G			0.2-0.8% dissem po lenses 0.1-0.2% dissem po lenses				
190.5	195.75				QMLG - as before with 2-3% garnet 0.7-2mm, a few to 4mm. (locally 5% gar) medium green-grey	G			xq - 20cm				
						G			xq - 7mm xq - 4cm xqd 5cm 0.05-0.1% po 0.1-0.5% po				
						G			xq - 6cm 45° A core				
195.75	198.3				Q-Ma hard, dark grey / light grey slightly banded, minor graphite on		g		0.5-1% dissem po lenses				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-01 (page 8 of 11)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location-	Level-	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	SVOC	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
195.75	198.3			90	Q-ma/ hard, dark grey with light grey seams, minor graphitic seams gradational/ contact to next unit minor calcite					0.5-1% dissem po lenses				
198.3	209.7			88	Q-CML rb - light to dark grey, well banded hard, 5-15% calcite, locally ~25%					0.5-1% dissem po (locally 2-5%)				
										*qc 5mm				
										*c 3mm 20°/core				
				80						0.5-0.8% po - locally 1-2%				
										*c 7mm				
					206.25-206.80 Dz folds in S_{011} very fine					*q 3cm				
										*c 3mm				
					minor graphitic partings - stranger to contact					1% py lenses + patches				
										possibly magnetite - because the rock is magnetic				
209.7	214.4			80 ± 5	Rd%Q siliceous argillite - black with light grey quartz-rich lenses - abundant graphite on cleavage surfaces contorted strongly					1% py patches, lenses				
										*p or primary lens 2mm minor po				
214.4				85	QML\Q-ML - %Q medium green-grey, dark green grey seams, light grey quartz lenses - (contorted) moderately hard scattered graphite seams					0.2-0.3% po lenses,				
										0.2-0.5% py - lenses, spots, 0.05-0.2% po lenses				
				80										
219.55					QML %Q ± bands of QML/R %Q to R%Q medium greenish grey dark grey to black argillitic zones have graphite seams 219.8-219.7, 220, 220.2-220.9, 221.4-222.2 mainly contorted 219.55-219.9, 221.4-221.8					in places R 1-10 Ω abundant quartz lenses, deformed 0-0.05% po				
222.8				80	QML-b - medium to light greenish grey moderately well banded, a few quartz lenses // S_1					broken core ± gouge xqd 2-3cm .5mm *q 1-2mm 0.2-0.3% po lenses				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-01 (page 9 of 11)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location-	Level-	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	SVeS	Description of Unit (L = Lithology S = Structure M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
222.8	233.7			87	QML-b, grading in part to Q-ML banding less prominent after 228.8					0.2-0.3% po lenses				
										xq 0.5-1 cm xqd 2-3 cm				
				90	228.6 2.5 cm bed, arenite, light greyish green (no py)					xq 7 mm 0.1-0.2% po lenses xq 2 cm				
				90						0.05-0.1% po				
										0.2-0.3% po xqo 4 cm 5-7% po in patches & seams xo (tourm) 2-3 mm xq 19 cm				
233.7	237.45				Q-M very hard, pale green to light green minor bands QML					xq 5 cm (diffuse)				
				85						xq with pyrite & (1-2 mm), 30° / core, 1 cm + breccia filling nearby				
237.45					QML as 228-8 to 233.7					xqc 2 mm 10° / core; xq 15 cm, 2 cm trace py on & of large vein	60° / core			
					medium green-grey with wispy darker green lenses, minor quartz segregations					0.5-0.7% po lenses, a few veinlets	1 mm	115,		
										30 cm gouge 30° / core 0.5-0.7% po lenses				
				85						xqo (metamorphic segregation	4 cm			
										xq 2.5 cm (early) 0.2-0.5% po				
										2 mm gouge 1 cm xq-o xq-o 15 cm 2-3 mm gouge				
					also QML 246.4-246.8 as 228.8-233.7					2 cm gouge				
245.4	246.4				Q-M as 233.7 - 237.45					xq 15 cm 0.2% po lenses				
246.4	246.8				QML					xq 3 cm				
246.8	2			85	Q-M as 245.4 - 246.4 local tight warps in S_1 by S_2					xq - 1 cm (early xq 40% vein over 15 cm, 2 to 3 veins - irregular 0.1% po lenses				
										broken rock, moderate gouge				
250.45	251.55				QML; Q, interlayered, folded tightly					po 0.0-0.1 %, in QML, 0% in Q				
251.55	253.0				Q-M, fine grained arenite, massive coarser than previous Q-M intervals									

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-01 (page 10 of 11)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/S	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
251.55	253.0				Q-M									
253.0	263.45				QML-B, -Q-M mixed zone, mainly medium to light green with brown (fresh biotite) seams and small patches Q-M as previous unit from 254.2-254.35 (±B), 254.95-255.07, 258.75-259.05					⅛g 1cm ⅛g 0 - blob up to 15cm, but doesn't ⅛g 0 3-7cm · 0.05-0.1% po in QML-B 0.1-0.2% po in QML-B	cross	entire core		
					259.7-259.9 30% quartz segregations 256.25-256.5 25% quartz segregations pyrrhotite is less magnetic than higher in hole					⅛g - quartz segregation 2-3cm 0.1-0.3% po in QML-B; ⅛g 0 quartz segregation 2cm	TS 254.4	CONTACT Q-M with QML-B		
					contorted 259.1-259.3, 260.3-260.7, 262.1-262.4 263.7-263.9					⅛g 10-15cm, minor seam po ⅛g 2cm ⅛g 0 3cm (po weakly magnetic); ⅛g 0 1cm				
					Q-M @ 259.97-260.1, 261.9-262.2, 263.45-264.25 (with minor intervals QML-B					⅛g 8cm 0.1-0.2% po (weakly magnetic - possibly some altered to py				
					biotite content decreases to < 0.5%									
263.45	264.25				Q-M with bands 2-5cm of QML-B									
264.25	270.9			90	QML, vaguely banded, medium to light green-grey, scattered quartz segregations grades to Q-ML some layers some with 1% leucoxene spots 0.2-1mm					0.1-0.2% po lenses				
										⅛g 18cm ⅛g 19cm				
										⅛g 1cm 0.1-0.2% po lenses weakly magnetic ⅛g 14cm				
				90	gradational contact to next unit									
270.9	277.85				Q - ⅛g hard, pale green-grey, some beds of slightly coarser grain size - mostly very fine - abundant irregular quartz veins minor dissem. biotite minor bands QML, Q-ML @ 276.15 (8cm) and 276.55 (8cm), 276.0 (7cm), 275.8 (8cm)					⅛g 1cm ⅛g 0 2-3cm 0.05-0.1% po (weakly magnetic)				
										⅛g 5mm-7cm (30-40% of interval) ⅛g over 10cm (50% of interval)				
				85						⅛g 5mm-3cm (30% of interval)				
										⅛g 5mm-3cm (25% of interval) ⅛g 1-10cm (50-60% of interval)				
277.85	280.6				QML - light to medium/dark grey-green irregular bands, layers, minor biotite deformed 278.4-278.7 into Fz folds					0.1-0.5% po lenses /S, some 2-3mm ⅛g0 veinlets				
										⅛g 5mm-5cm (60% of interval)				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-01 (page 1 of 11)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/S	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
277.85	280.6				QML									
280.6	290.6			75	Q pale to light greenish grey, very fine to fine grained.					~~g 5mm-5cm (60% of interval				
				65	minor biotite, minor pyrrhotite					~~g 3.5cm				
										~~g 5-7 mm				
				80						~~g 3cm				
					minor interlayers QML - 284.55-284.7, 286.05-286.4, 288.2 (5cm), 288.5 (7cm) these contain more abundant biotite & pyrrhotite					~~g 5mm-2cm (20-25% of interval)				
										0.05-0.2% po lenses				
				75										
				75										
290.6	291.0				mixed zone QML, Q - finely banded					po minor lenses 11S, also ± py				
291.0	291.45				QP light grey, coarser at start, brecciated near fault					broken core, minor gouge; ~~g - 1cm 45° A core axis	TS-29	1.1m		shiny black chlorite on fault - no graphite
291.45	295.5				QML \ MLQ - medium to dark grey; lesser quartz-rich layers (= Q-ML) and quartz segregations; some layers 0.3-0.5% leucoxene spots					~~g - 8mm 0.1-0.5 py, po lenses, patches strongly broken core, moderate				
										gouge - lost core = major fault				
										~~g - chips to 1.5cm in fault				
									±	~~tourmaline - (QP) 1cm				
295.5	297.5				Q-M light green-grey, irregular q/z veins ± talc ~~cg L 2mm, some offset on S, minor po lenses, dissem. spots.					~~g - 0 2cm				
										~~QP 2.5cm, 2-2.5cm				
										~~c 2-3 mm				
297.5	300.2				QML - Q-M irregular bands, medium to dark green-grey; scattered quartz segregations Q-M bed 298.1-298.38					0.1-0.2% po lenses 11S,				
										~~g segregations 1-3cm (60% of interval)				
300.2	EOH													

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-02 (pg 1/8)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/AS	Description of Unit (L=Lithology S=Structure M=Mineralization)	L	S	M	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
0.0	9.7				Overburden (cased)								
9.7	17.9			80	QM-L @ B-b light to medium greenish-grey. some darker grey/green bands of QML 1-3% biotite-dissem grains 0.5-0.8mm	B			*q-o 5-7cm folded				
					scattered quartz segregation bands 5-7mm				0.05-0.2% po lenses. 0.1-0.2% py-dissem grains, lenses				
				75		B							
					17.0-17.3 well layered, several Q layers 3-7mm less biotite from 17.0 to end of unit				*q-07-10mm				
17.9	22.8			75	QM-Lb medium green-grey, some finely layered with light grey and dark green-grey colours				*q 4cm 0.2-0.5% po lenses				
				75					*q-c 4-5cm (35% of 15cm interval) *qc 5mm				
22.8	27.2				QM-LB light to medium green with brown spots, a few quartz-rich layers, and some layers of QML or QMB				0.1-0.2% po lenses, 0.1% py				
				70					*q 8mm				
					26.3-26.6 several layers 1-3mm with 5-10% calcite								
27.2	49.45				QM-LB, QMB interlayered coarsely -	B			*q 8mm				
					QM-LB as previous unit QMB green-brown to brown, depending on biotite content ↓ = QB-BQ				*q 3cm, 1cm				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-02 (page 2 of 8)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level-	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/SS	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
27.2	49.45			80	QMB layers 27.2-27.43; 28.1-28.55; 29.4-30.7 with BQ layer 29.7-29.9; 31.2-31.3; BQ 31.3-31.6 QMB 32.0-32.08; BQ 32.08-32.15	B				qz - 8mm wide 0-12 cm po 0.1-0.2% in QML 0.2-0.5% in QMB 0.5-2% in BQ	QML QMB			
						B				qz-c 3 veins 3-7mm over 10 cm interval				
					scattered Q layers 5mm-2cm	B				qz 8mm				
						B				qc 7mm qz-cp 3 veins 5-12mm 20°-45° A core	TS of BQ	29.9	m	
				80	QMB 32.8-33.5, 35.0-35.7 (minor BQ @ 35.55 (5cm)) 37.1-37.3; 37.6-37.85; 38.25-40.2 (BQ from 39.5-39.9); BQ-43.4-43.45, QMB-44.1-44.3	B				qz 5mm 38.7-38.15 qc 2cm 70° A core; qz - 3cm, 1cm				
					BQ 44.3-44.9, 45.9-46.15	B				qz 5cm				
				75		B B				po 0.1-0.5 in QML 0.2-0.5 in QMB 1-2% in BQ				
						B BQ				0.2% py				
				75										
					0.1-0.3% garnet 0.5-1 mm from here to ~49.0					qz 2cm, 1cm qz 4cm qz-0 6cm				
						B BQ BQ				qz-1 3-8mm				
				80	QMB 46.6-47.5, 48.0-48.12 BQ 47.5-48.0, 48.64-48.72	B BQ				qz 70% over 16 cm interval qz 70% over 17 cm interval				
						B BQ				qz 5-7 mm				
49.45	53.6			85	QML-B medium to dark green, poorly layered commonly 1-2% biotite (probably partly altered to chlorite - po content decreases deeper in interval					0.1-0.2% po grades to 0% po				
					some lensy intervals - possibly soft sediment deformation 51.6-52.2 minor Dy fold 52.4-52.5					qz 5mm 45° A core qz 2-3 cm				
53.6	55.2			75	QM-BL light green-grey. biotite altered to chlorite					0.1-0.2% po				
55.2	56.6				QMB/QBM medium brownish grey. biotite-dissem grains 0.5-1 mm 10-25% 55.6-55.8 - brown - grades to BQ/QB					0.2-0.5% po				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-02 (page 3 of 8)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location-	Level-	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/S	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
55.2	56.6													
56.6	59.9			BS	QM-BL - light to medium green, minor brown spots, minor garnet 0.5-1 mm	-G				⅋qd 5-7cm folded over 17 cm ⅋q 1cm po 0.0-0.05%				
					60.7 - 3.5cm bed Q - white									
59.9	61.4				QBM medium green with abundant brown spots					⅋qd 70% of 12cm interval	70.5-	1%	in	BQ
				70	60.6-61.2 BQ medium brown, 1-2% po					⅋q 3cm po 0.2-0.5% QBM	187011			
61.4	61.7				QM-B as 55.2-56.6					⅋qd 0.5-0.7 cm, irregular, early ⅋q-qd 80% of 15cm interval - irregular				
61.7	66.5				QM-LB medium to dark green grades to QML, QLM.					po 0.0-0.1%, locally 0.2%				
		*		70	Some intervals have more biotite 63.8-64.0 QMB as 55.2-56.6					⅋q-p 1cm				
				BS	62.9-63.5 mod. abund (10-15%) qtz segregations									
					64.6-65.2 broad warp in S,									
				BS						- locally 0.2-0.5% po				
66.5	67.4				QMB medium green, bio 10-15% 0.5-1.5 mm dissem.					0.1-0.2% po lenses; 0.1-0.2%	py spots			
67.4	67.9			BS	BQ; Qb - interlayered dark brown, white									
					Q layers 0.5-4cm thick					0.2% dissem py, up to 0.5 in BQ				
67.9	69.7				QMB as 66.5-67.4					- locally 0.2% po in BQ				
					with interlayers QB (medium-dark brown					± Q layer 69.0 (7mm)				
					@ 68.55-68.7, 68.8-69.1, 69.3-69.4									
69.7	73.2				QM-L, medium green, very fine grained,					0.1-0.2 po lenses, minor py				
				BS	poorly bedded	-G				3-5mm gouge				
					0.4-1% garnet 0.3-1.2mm 70.6-72.75					0.1% po lenses, minor py				
					± Q lenses 71.23-71.25, 71.36-71.39					⅋qc 1-2cm (50% over 8cm)				
										0.1-0.2% po lenses - decreasing in BQ				
73.2	75.0				BQ zone included in and possibly replacing				t	⅋t 1cm py 2-3% 1-4mm				
					QMB, which goes from 73.2-73.5, 75.0-75.3					⅋qt-po 5-10cm; ⅋t-p 1cm patch tourmaline - 2cm.				
				BS	BQ - medium brown;					0.2% po				
75.0	77.9				QM-LGB light to medium green, 1-2% garnet	-G				0.1-0.2% po				
					1-1.5mm; gradational contacts with QMB					0.2% po				
					QMB layer 76.25-76.62.	-G				0.1-0.2% po ⅋q 2cm				
77.9	78.3				QMB									
78.3	80.06				QBM/BQ medium brown to greenish brown					⅋qc-o 5-8cm 0.1-0.2% po				
					irregular quartz veins					⅋o irregular veins 1-4cm 0.1-0.2				
				BS						⅋o 5cm; 0.1-0.5% po po				
										⅋q-o 1-2cm - irregular				
80.06	84.3				QMB - with patches of QB/BQ and QM-BL					⅋qt-2cm ± py - irregular				
					contacts mainly gradational.				t	0.1-0.2% po, locally 0.0, locally 0.5				
					QB/BQ: 81.14-81.33, 82.55-82.73, 83.3-83.7	QB				0.1-0.5% py				
						QB				2-3% py 1-3mm				
				90		QB			t	⅋qt-p 8-10cm irregular				
										⅋qc 2cm offset 5mm on fault				
										1% py; locally 0.1-0.2% po				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-02 (page 4 of 8)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location-	Level-	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	SVA/Core	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
80.06	84.3				QML-B variable unit, biotite 0-8% - flakes 0.5-2 mm.				t	tourmaline patch 1.5 cm				
84.3	86.1													
86.1	89.35			85	QB/QMB mixed zone, some interlayers, some gradational contacts QMB@ 86.6-86.9, 89.0-89.35					xqc-1 to 10 cm 0.2-0.5% po in BQ, 0.5% py				
					intimate gradation 86.9-87.4, 88.1-89.0					xqc 1-2 cm 0.2-0.5% po in BQ, 0.5% py				
										xqc-top 1cm, 2cm ± xt 3mm				
										xqc-t 1-7: 50% of 20 cm interval)				
										xqc-5-15 cm 0.2-0.5% po; 0.2% py				
89.35	96.0				QM-GL: light to medium greyish green					xqc 0-2 cm (pod)				
										xqc 7mm				
				75	garnet 1-2% 1-3 mm (locally 2-5%)				t	0.2% po lenses				
										0.1-0.2% po lenses				
										0.1% po lenses (f)				
										xqc 3 cm				
				85										
96.0	106.6				QMB, BQ, QML-B - mixed zone, gradational contacts QMB: 96.0-96.9, 97.17-97.55, 99.5-100.2 QB/BQ medium brown: 97.55-98.0, 101.6-102.7					xqc-(biotite lens) 5-7 cm, 3-4 cm				
										xqcol, 2 cm, 4 cm 0.5-1% po in BQ				
					QML-B (variable)/QMB: 98.0-99.5, 100.3-101.6 QML 96.9-97.17					xqc-7mm, 7mm change to py @ 97.8. py 1-2% dissem 0.5-.5mm				
										xqc 3 cm				
				80						1% py 0.5-1.5 mm				
										xqloc 2-5 cm, irregular, 25% of 30-cm interval				
					QMB 102.7-103.2, 105.1-105.5, 106.3-106.6 QBL-105.5-106.3 dark, slightly brownish green				t	0.5-2% po in QB (sharp contact with py zone)				
									t	xqc 2-3 cm				
										xq-3 cm xq 40% over 10 cm po 0.1-0.2%				
										xq-t irregular 40% over 40 cm				
				85	Qcbed 106.17-106.2 fine grained					xq-l 1-2 cm - irregular 0.2-0.5% po; 1-2% py 0.5-1.5 mm				
										0.1-0.2% po				
106.6	109.8			80	QM-GL light green-grey; no bedding Qcbed 107.35-107.42, 108.05-108.2 garnet 2% 0.5-2 mm.	-G				xqc 1 cm				
				85		-G				0.1% po				
										0.1-0.2% po				
109.8	112.35				QB-L medium brown to med/dark greenish brown at beginning 12 cm QMB as before					xql-p 1 cm 1-2% py dissem 1-3 mm				
									t	xqol-pt 3-7 cm ± xt 2 mm	187014	111.5	112.35	
									t	xqol-t 5 cm 0.2% po				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 90-02 (p.5 of 8)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/S	Description of Unit (L = Lithology S = Structure M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
112.35	113.63			80	QMB medium grey-green + brown spots minor D_2 fold gradational to next unit					0.1% po				
113.63	118.0				Q-M/QM-L light to medium green, hard to moderate, faint layering					0.1-0.2% po; *qtl - lenses 5-7mm 0.1% po				
				80						*ql 1-4m, border 0-2cm 15% po				
				65	116.88-117.04 gradational into and out of QMB					0.05-0.1% po				
118.0	119.37				QB light to medium brown, slightly gradational to QMB, banded 118.0-118.2 QMB - grades to QB					*qto 0.5-1cm; 0.5% po *qt 1mm - wispy lenses *q-o 42cm	TS 118.4			
119.37	125.17			70	Q very hard, weakly banded, spotted. thin interlayers Q-MB ≈ QMB but harder @ 119.66-119.96, 120.56-120.60, 121.85-121.91, 123.64-123.70, 124.84-124.90.					0.2-0.5% po *q 10cm ± relics host rock *q 13cm ± relics host rock *qo 4cm *q 3cm 65°/core *q 8cm 70°/core *q - 1cm, cut by *t 1mm-3mm patchy *qo 1.5-2cm				
				75						*ql 1cm; *qd 3cm po 0.1-0.2%				
125.17	127.45				Q-MB, - QB grading to QMB,									
127.4	130.6			75	rock varies from hard to moderate - gradational contacts. QB @ 123.17-123.32, 125.4-123.55, 126.85-127.0 Q - very hard - grading to Q-MB with		25°			*q 4cm 25°/core on fault fault with slickensides, 2-3mm *qp (biotite) 7mm gouge				
				65	local thin intervals of QMB @ 128.05-128.55, 128.8-128.84, 129.46-129.50, 129.06-129.9 some other layers look like silicified QMB					*q 1-1.5cm *q 7mm po 0.1-0.2% in QMB interlayers 0.0 in Q				
130.6	133.5			75	QMB/QB ± Q mixed zone w. it gradational contacts. mostly green to brown. QBQ 131.25-131.8; Q from 131.12-131.33, Q-132.0-132.07 gradational contact with next unit					*q 1cm *q 1cm; *qt (late py stringe.) 5cm *q 5cm po - 0.5-1% *q 20cm *qto = # (1-2cm); *q 2 veinlets 7mm po 0.1-0.2% *q 7mm				
133.5	147.3			85	MQL-QML - soft to moderately hard moderately folded S_1 on S_2 133.5-134.0, 135.8-136.0					± gouge, broken core po 0.0-0.1%				
					1% garnet 136-143, 0.5-1 mm, locally 2%-3% mainly medium to dark green, lensy texture	G				*qc, 4 veins 1-3cm over 15cm po 0.1-0.2%, locally 0.2-0.3%				
				90	139-143 minor to moderate quartz segregations	-G -G				po 0.05-0.1%				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-02 (p.6 of 8)

Started -	Bearing -	Lat. -	Collar El. -	Logged by:	Remarks:
Completed -	Angle -	Dep. -	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

L = Lithology S = Structure M = Mineralization

Interval From	Interval To	Recovery M.	Recovery %	Cores	Description of Unit	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
				85	minor (1-2%) biotite 140.8-142.7 - probably alteration/metamorphic feature of rock - not separate unit, commonly patchy	-G				po - 0.0%				
										¼q 3 veins 0.5-1.5 cm, lensy - early				
										¼q 7mm - irregular - early				
						-G				¼q 7mm, 1.5mm, early				
					144.6-145.6 - weakly to moderately developed biotite - texture grades to QMLB and locally to QMB - probably alteration					¼q 2-5mm - several contorted vein lets				
										¼q 1-3 cm, (50% over 12cm)				
				75	145.8-146.3 QML, Qb thinly bedded 3-7mm					¼q 0.5-2 cm				
										¼q 2-7 cm, folded strongly 25% over 45 cm minor gouge				
										po 0.1-0.2%				
				50						¼q several 3-7mm, folded moderately				
147.3	160.4				Meta siltstone, calcareous, carbonaceous,									
				50	finely laminated - white, grey, black, some									
				70	tightly folded, some lensy two main					po 0.2-0.5%				
					sub-units, one darker grey/black interlayered									
				85	with quartz-rich lenses, QRd					po 0.5-1.5%, locally 2%				
					the other mainly calcareous quartz siltstone					po 0.1-0.2%				
					with much less abundant carbonaceous layers/					po 0.2-0.5%				
					lenses = Qcrb-B disseminated bio flakes 0.3-1mm					po (py) vein 2mm				
					QRd @ 147.3-151.1, 152.07-152.65, 153.02-154.5,					po 2.5-1%, py 0.5-1% TS 154.2				
					155.96-156.5									
				75						- no po				
										po 0.05-0.1%				
										0.5% po in QR				
				85						0.0-0.05% po				
					QRd ± calcareous siltstone lenses 159.5-160.4					¼qc 1cm, lensy				
										po 0.2-0.5% in QR, 0.2-0.5% py				
160.4	161.5			85	Q-MB light-medium greenish grey - light brown spots, ± carbonaceous lenses-seams					¼q 2cm				
161.5	163.1				QR medium to dark grey with light grey seams					0-0.1% po				
										0-0.2% po, 0.2-0.5% py (some on fractures)				
163.1	164.4				Q-MB grades to QMB light green to medium grey ish brown					¼q 5cm early, 7mm early, 7mm ¼qpl 0.2-0.5% po				
										¼q 1cm early 0.2% po				
164.4	165.1			85	QR as 161.5-163.1					¼q 2cm lensy, 5mm lensy 0.2-0.5% po				
165.1	166.0				QM-B ± QMB light brownish green → med. brown					¼q 8mm				
166.0	167.63				QMLb light to dark green, well layered in part					¼q 3.6 cm 0.2% po				
										¼q 1-2 cm lensy patch 1cm across 5-10% py				
										¼q-c 14cm + ¼q-c ± (minor galena? in core) ¼o 1-2mm or sl. bornite?				
				80						1% py lenses				
					FAULT					20cm gouge ± broken core (lost core)				
				60										

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-02 (p.7 of 8)

Started -	Bearing -	Lot.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/S	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
168.0	168.6				QM light green uniform					0.1-0.2% po				
168.6	169.16			60	QML/QLM dark green, quartz segregations					10-30 cm rock chips, gouge, lost core				
169.16	170.6				QML, lensy, light to medium dark green, qtz-segr.					*q irregular lenses 3-10mm				
170.6	172.3			80	Q-m/QM light green-grey, rel. uniform. minor light brown biotite (altered)					po 0.1-0.2% *q 2-3 cm early, 1cm early *q 1-2cm early				
172.3	172.83				QP-M arenite?					*q-1 2.5cm	TS 172.6m			
172.83	176.55			85	QML/mQL medium to dark grey-green, locally moderately banded					*qt-o very irregular 1cm 20°/core po 0.2-0.5% po 0.1-0.2%				
				75						*q 7cm *q lensy 2-5cm 0-0.1% po				
176.55	178.1				Fault - abundant graphite, black clay gouge near start fragments of brecciated quartz units minor chalcopyrite patches					Fault - abundant graphite, gouge quartz chips in fault ±cp spots 1-2 R 1-10Ω - good conductor mm				
178.1	178.6				QLM dark-medium green, banded + qtz-seg.					*q 2-4cm 1% py, 0.2-0.5% po	TS 7184			
178.6	179.6			0°	Tourmaline - Pyrrhotite - Quartz vein/replacement, fine to very fine, banding warped too°					banded vein - graphitic partings all good conductor. ±cpy				
179.6	180.55				QLM, lensy, med-dark grey, qtz segreg.					*qp 1cm strongly magnetic 0.5-1% po				
180.55	181.2			70° 10°	*Q-T-O vein irregular banding in part					*qto 0.95m strongly magnetic				
181.2	181.45				*QLO mainly quartz, patches, lenses chl. po.					*qlo ±cpy 25cm 0.2-0.5% po				
181.45	181.55				Quartz Diorite (?) pale to light green-grey moderate foliation, 5% quartz segregations					0.1% po				
					becomes more strongly foliated - does not look intrusive = QPM-LB					0.2-0.5% po				
					185.8-186.7 → QMB, patchy zones of biotite near some *qo pods. gradational contacts. 187.2-187.95 7-10% quartz segregations <1cm					*qt-o 2cm po str. magnetic *qo pods 1-3cm " " *q 1cm po 1-2%				
187.95	191.9				QM light-medium green-grey locally minor chlorite or biotite 188.9-189.2 darker green QML/QLM - possibly some carbonaceous opaque grades in and out of QM-B @ 189.8-198.2					*q 1-2cm, lensy *c late, 11 core 0.5-1% po *q/-o 4cm + #o patch above 0.2-0.5% po po 0.05-0.1%		1-2cm	30%	po
191.9	194.2				QML medium green-grey, abundant quartz segregations					*q several lenses 3-10 mm				
194.2	194.2				QM - 13 @ 189.8 - 190.2									
194.2	196.6				QLM - dark green, very fine grained, uniform					*q 7mm 0.1% po 0.05-0.1% po				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-02 (p.B.d.B.)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level-	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	CORE SIZE	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
				40	contorted 196.2-196.5									
196.6	197.75				QMB - medium grained, light grey-green with brown spots, moderate quartz segregations					Xq 1cm // S, po 0.05%				
				25						Xqo 5cm po 0.2-0.3%				
197.75	199.63				QLM - similar to 194.2-196.6. contorted 197.8-198.5					po 0.2%				
				75	Finely banded, moderate quartz segregations.					Xq 1-2 cm irregular po 0.1-0.2%				
199.63	E.O.H.													

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-03 (pg 1 of 6)

Started - Nov 12	Bearing -	Lat. -	Collar El. -	Logged by:	Remarks:
Completed -	Angle -	Dep. -	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/S	Description of Unit (L=Lithology S=Structure M=Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
0	10	no core			Overburden (cased) 'base of overburden approximate									
10.0	12.9			80	QM, QM-B, light-med green grey, up to 2% biotite dissem. 0.5mm.					po 0.05-0.1%				
12.9	20.73			0°/90°	QM-Lb finely banded, t lensy - siltstone - mudstone, medium greenish grey, minor quartz segregations					*q-p 2cm, *q-3cm, *q 1.5cm po 0.1%, locally 0.2%				
				70	darker grey zones, commonly finely banded @15.74-16.27, 16.85-17.45					*q (2) 1cm lensy *qd 1-2cm; *q-1cm, *qi 3cm *q-1cm				
				75	Q-M layer - light grey - similar to 10.0-12.9 @16.3-16.85 (limonitic alteration)					po 0.0-0.05% *q-d 7mm po 0.1-0.2%				
				80	19.8-19.9 a few layers 0.5-1cm of QMB					*q 7-10mm *q 5cm, *q-d 5mm				
20.73	24.75			75	QM,-R,Q interlayered black argillite? grey argillite/siltstone, and thin white, fine grained quartz sandstone (3-10mm) @21.5 Qc is dominant unit, interlayers of argillite (R) and LQ (dark green) to 22.3					*q 6cm lenses po to 5mm ±py vein. *q 3cm 30cm badly broken core + gouge				
					then Rd - Qc					· trace py stringers // S1				
24.75	28.5				P - felsite, foliated on contact, then massive fractured strongly 25.9-27.9					0.1-0.2% po - dissem. *q 5cm broken and lost core 1-2% pyrite on fractures *q 5cm badly broken + lost core				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-03 (p.2 of 6)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/S	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
28.5	29.5				R, QL, - Qc					1cm gouge, broken & lost core				
29.5	37.3				P (felsite) light grey to buff (ankerite alteration) moderate foliation Qc, R 30.25-30.6; Rc 31.5-31.6 inclusions. ↘ Rc, C					¥q 1-2cm early ¥p 1-2cm early 0.2-0.5% py dissem, lenses				
					33.1-33.25 strong biotite alteration					¥q 4cm ¥gl-pt 2cm				
										py 1-2% dissem grains, wispy veinlets (some with chlorite)				
										¥q 15-30cm - broken core, lost core				
37.3	39.05				Limestone (C) dark grey, white, a few interlayers with component of felsic tuff - pale greenish grey 39.05-39.3 Felsite; 39.3-39.45 Fault 39.25-39.5 Massive sulfide (py), semi-massive sulfide 39.5-39.9 Limestone - banded. 39.9-40.1 MS. (py)					12cm black gouge strongly broken core	SEE	DETAILED	LOG	
40.0	50.4				Felsite (P) banded to massive - white to light grey - some silicified (?) zones - very					27cm grey gouge, lost core 20% pyrite 1cm - gouge rock + broken core ¥qal 3mm ← ¥qa 1cm				
				85	hard, massive. Variable pyrite content 0.5-3% - locally up to 10%; 0.1-0.2% elongate, black lenses 0.7-2mm - possibly ilmenite					2-5% ¥p, ¥pl ¥p coarse breccia filling 0.1-1cm finer breccia filling 2-5% py; locally 10% TS 42.3				
				80	Interbanded with PM - felsic tuff - finely laminated in part - in part with 5-10% biotite, up to 10% pyrite	B				¥p ± ¥p 2-5%, in part 5-10% biotite broken core, minor gouge ¥q 9cm TS 43.4				
					Felsic tuff - 40.45-41.60, 43.65-47.1, 49.5-50.5					10% py dissem TS 44.6 1-2% py dissem				
				80	Felsic flow 41.6-43.65, 47.1-49.5, 50.5-					2-5% py dissem 0.7% ilm lenses				
				70						1% py 2-3% py, 0.2% po ¥pt qc irregular patches + seams 1-2% py				
50.4	67.0			70	Felsic flow - white to light grey, locally light brown from biotite - good foliation					2-3% py, conc. in lenses + seams in part with biotite 1-2% py				
					52.62-52.8 Limestone C lensy, light-dark grey					¥q-ó 1cm, early 1-2% po ¥qp 23cm 0.5% po 0.5% py				
				75						0.5-1% po, locally 2-3%				
										~2-3% po				

DRILL CORE LOG.

Company ____ Property ____ Scale ____ Hole No. 98-03 (p 2A of 6)

Completed -	Angle -	Dep.-	Bottom El.	Size of core:
Driller -	Length	Location-	Level-	Survey data:

Interval From	Interval To	Recovery M.	Recovery %	Core	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
39.05	39.13				Felsite, buff alteration,								
39.13	39.25				Fault dark grey - black gouge				moderate to good conductor				
39.25	39.5				Massive sulfide, pyritic - solid piece 6cm. + semi-massive sulfide + quartz (broken core				poor conductor, non-magnetic				
39.5	39.8				Limestone, well banded, strongly broken at start, minor beds felsic tuff?				0.1% py dissem, mainly in felsic tuff intervals 0.0% in limestone				
39.8	40.0				Massive sulfide, pyritic; 7-8% quartz veins				Xq 0.5-2mm non magnetic vein network poor to moderate conductor between quartz veins				
40.0	40.45				Fault - grey gouge, rock chips				poor to moderate conductor				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-03 (p 3 of 6)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level-	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/RS	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
	67.0			70	Felsic flow (continued)					late, - braided *p 2 ll veins, 10-15° A core ± chlorite, 1mm *q 1-3cm lensy, early *po 0.5-1mm 20° A core - late				
				65						*qtpo 55cm t in patches in core p to 8mm o in patches on burden 1-2% po variable 1-3% sulfide, mainly po - but several lenses up to 30cm of py > po				
				70						*q 2cm early				
		*		70					1	*qtop 10° A core, 2cm, irregular sulfides in patches; *ptl				
				70						*t-p 3-8mm stringers 1% po lenses				
67.0	68.1			60	PB felsite with 10-20% biotite in seams // S; moderate qtz-segregations, lenses, pods					*qo 1cm po *py *qd 1-2cm, deformed *q folded tightly 1% py seams				
68.1	70.4			75	PM - felsite, pale green from minor chlorite scattered qtz-segregations					*q (biotite) 2-3cm *po 1-2% *o 2-3mm *qo 1.5cm *qol 3cm	75-70.7			
70.4	73.45			80	P-B felsite, light grey to medium / light brown (from biotite) - biotite mainly in groundmass					*pt several, some braided, 0.5-2mm 10-25° A core				
73.45	74.8				grades into next unit, some qtz-segreg. P@B: felsite with biotite grains 0.7-1.2mm - dissem. minor qtz seg. low sulfide content					*qo 3cm po 1% local zones py > po po 0.1-0.2%, locally 0.5% py 1-2% dissem				
74.8	79.15			80	P-B as 70.4-73.45 but more variable - some zone have - % @ B 0.5-1mm					*qp 1.2cm po 1-2%, py 0.5-2% *q-o 4-7cm; *pt 1-2mm 20° A core				
										*q 1-2cm, several, early *q-p, o 0.5-1cm, a few py 1-2%, po - locally 0.1-0.2%				
										py 4-5% py 1-2%, locally 2-3%, po minor → 0.2%				
79.15	81.9				PB mainly like 67.0-68.1									
					80.55-80.7 - Finely banded felsite = flow foliation 80.7-80.85 - strong ankerite alteration					* end py - change to po * po 1% - 2%				
81.9	88.0				Felsite (PM), some zones PM-B light green to brownish green, 5% qtz segregations biotite more abundant @ 84.0-84.9					*q-o t 8cm, po on first contact t on second *q-o 2cm po 1-2%, locally 0.5-1%				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-03 (p. 4 of 6)

Started -	Bearing -	Lat. -	Collar El. -	Logged by:	Remarks:
Completed -	Angle -	Dep. -	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/S	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
81.9	88.0									⁂q - 0 2cm ⁂q 2 cm, lensy veins, early ⁂q 0.5-1 cm. early, bluish-green ⁂q 1cm po 0.2-0.5%				
				80	gradational to next unit					⁂q 6-8cm, broken core ⁂q to - 1-2cm ⁂q 1.5-2 cm po 1% TS 88.8				
88.0	93.6				Felsite (PB) light to medium brown-biotite both in dissem. grains 0.5-1mm in size and in extremely fine groundmass					⁂q 6cm po 0.2%				
				65	abundant quartz lenses - segregations - probably early					⁂q irregular, blue-green veinlets, early 3-10 mm. mainly folded, lensy to 92.0 po 0.05-0.1%				
				70						⁂q 2cm				
93.6	96.6				Felsite (P-mBD, PB variable light to light/medium green to brownish grey locally biotite grains 0.5-0.7mm					⁂qo * vein/replacement 2-5 cm po 0.5-1% ⁂qo 1 cm early gradational ⁂qo 2-3 cm ⁂py 1-3% gradational				
				75						broken core po 0.5-1.5% po 0.2-0.5%				
96.6	98.3				QPML - medium green, moderate quartz segregations 96.6-97.0, 97.3-98.0					20 cm rock chips, gouge, lost core 8 cm gouge, lost core TS 97.0 0.1-0.2% po				
				70						⁂q 1cm ⁂qo - lenses, pods 1-1.5 cm ⁂q 8 cm 50° A core 1-2% po				
98.9	100.1				Felsite (PM) light grey, 3-5% qtz. segregations,					0.2-0.5% po				
100.1	100.5				Felsic tuff (PM) finer grained than above, lt. gn. gy					⁂q 4cm 1mm, 2mm seams of gouge				
100.5	104.6			75	QLMb medium to dark grey, greenish grey. commonly finely banded, color variation between bands. minor softer layers MLQ					⁂q 7-10mm 0.05-0.1% po				
				75						⁂q 1-2 cm, irregular patches ⁂q - 1cm 10cm grey gouge ⁂q 1cm - 5mm				
104.6	106.25			70	Felsic flow / tuff (PM) possibly some quartz. grades to felsic tuff (PM), lensy about 106.0					⁂q 2cm lens 0.5-1% po locally ⁂qo lensy 1-2 cm 5-15 cm irregular 2% 0.2-0.5% po				
106.25	108.1				QML - fine tuff / sedimentary rock - medium green, lensy. some zones of quartz segreg.					⁂q 2-3 cm, early ⁂q 7mm-1cm ; 0.1-0.2% po ⁂q several 5-10 mm, early, folded				
108.1	110.72			80	QLM - lensy - medium to dark / medium green					⁂q lensy 1-2 cm, early 0.05% po 0-0.05% po				
					gradational contact									
110.72	119.6			60	RQ - black / grey argillite with abundant quartz lenses, seams // S, some deformed some rock gradational to QLM					⁂q 4cm deformed, early ⁂q 7mm, 7mm 6cm black gouge 10cm broken core, gouge 70-150 SL ⁂c late 0° A core 0-0.1% po, 0.1-0.5% py				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-03 (p5 of 6)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location-	Level-	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/S	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
110.72	119.6				RQ (continued)					broken core, lost core 0-0.05 po 0.1-0.5% py				
				70						xq 2cm, 2cm				
				65						xq 1-2 cm, folded 1-1.5% py				
										10-20cm broken core, lost core				
					116.6-116.8 Felsic tuff light green-grey					20cm broken rock, gouge, lost core				
				75						xc 1-5mm, 40° A core				
										xq 2cm, early 0.1-0.2% po 1-2% py 1-3mm				
				65	somewhat gradational into next unit					broken core 8 cm early				
										xq abundant segregations 5-20mm, 0.5-1% po, <0.1% py				
119.6	121.3				QLM lensy, medium to dark green, abundant quartz segregation lenses					TS 121.4				
121.3	127.4			80	QPM(?) arenite or felsic/intermediate tuff					0.1-0.2% po, locally 0.5				
					light-medium green-grey, fine grained texture, uniform, minor small qtz. segreg.					scattered pyrite - overall 0.1%				
				75						xq 1-5, 3 cm				
										xq 5cm broken core, minor gouge, lost core				
				70						xq 1-2cm, lensy - early				
127.4	128.1				QML, QM medium/dark green, light green-grey					0-0.05% po				
128.1	128.65			65	QPM(?) as 121.3 - 127.4					0.1-0.2% po				
128.65	131.25				Mixed zone: QMLd with intervals of QPM(?) from 129.8-129.3, 129.9-130.2, 130.85-131.25					xqp 7mm, xq 1-3cm, lensy, early 0.2-0.5 po near xqp in QML				
					abundant folds, mainly in QML					xq 1-2cm, lensy				
										xq a few lensy veinlets 5-8 mm 0.1-0.2% po, 0.1-0.2% py on fractures				
131.25	150.0				QML/QLM, in part deformed by D_2 folds,					xq 7-8 cm, irregular, early				
				80	medium-dark green to greenish grey some carbonaceous component gives unit a darker grey colour than normal					xq-p 2-4 cm, irregular, early 0.1-0.5% py, dissem + lenses 1-2 mm grains, patches				
										10cm broken rock, gouge				
					QLM with much less QML quartz segregation lenses widespread, some folded tightly					xqt 8 cm (minor py), xqc late, 3mm, ll core				
					some bands moderately soft = LMQ(?)					xqc 8 mm				
				75	0.5-1% dissem py 0.5-3 mm					xq 5cm, irregular, early, folded				
										xq 7mm; xq 1-3 cm, irregular				
										xq 1-5 cm, early				
										1cm gouge; xq 2cm, 1cm				
					0.2-0.3% dissem py 0.5-2 mm					xq 3cm, early				
										xq 5cm, early				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-03 (p. 6 of 6)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level-	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/S	Description of Unit (L=Lithology S=Structure M=Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
131.25	150.0			70	140.7 - 140.9 QMP light green-grey					20cm gouge, broken rock, lost core 0.1-0.2% py dissem. 0.5-1mm.				
					QLM, QML as above, lensy, scattered quartz segregations, some areas folded tightly to moderately on very fine scale minor carbonaceous content - locally moderate @ 145.9 - 146.3.					broken rock, minor gouge Xq 1cm in broken zone Xq - folded 1cm. Xq-P 7mm 0.2-0.5% py 1-3mm 20cm gouge, broken rock - minor broken rock Xq 4cm, early Xq 3cm, 4cm, early Xq 1.5cm, folded minor gouge, broken rock 1cm gouge Xq 4cm, 4cm, early Xq 7mm 0.1-0.2% po				
150.0	152.0				QPM (?) as 121.3 - 127.4 gradational to following unit.									
152.0	154.7				QML, light to medium green-grey, some slightly darker green lenses, minor quartz segregations gradational contact with next unit					Xq 1-2.5cm, 1-1.5cm, early 0.1% po Xq 2-3cm early				
154.7	157.9				QPM (?) - QM, medium green-grey to light green, less uniform than 150-152. scattered quartz segregations					Xq, 1cm, 4cm, 1cm, early Xq 1cm, 1cm 0.1-0.2% po Xpl 2mm, 1mm ±0.1-0.3% py				
157.9	EOH													

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-04(p.1/8)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location-	Level-	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	SVays	Description of Unit (L=Lithology S=Structure M=Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
0	6.9				Overburden - minor rock chips									
6.9	12.6			85	QM-B medium to light greenish grey with black spots 0.2-0.7mm - variable content.					xq 1-1.5cm xq 2-2.5cm 0.1-0.2% po				
				85	alteration envelopes on some veins of medium brown colour from extr. fine biotite @ 10.65-10.90, 11.74-11.95 (zones have 0.2-0.5% po, locally ≈1%)					0.1% po				
					locally biotite ≈ 1mm, rock = QMB 7.5-7.9.					xq 6cm xq-L 0-1cm po 0.2% xq 7mm xgo 4cm				
				80						xq-0.8cm po 0.1-0.2%; 0.2-0.5% in envelope of vein				
12.6	13.3				QM, medium green-grey, minor very fine bio. (=finer variety of QM-B - with less B.									
13.3	15.5			80	QM-B, similar to 6.9-12.6.					xq 1-3cm leary				
					brown biotite alteration 14.75-15.00 (no vein)					xq 5cm irregular, folded? po 0.2-0.5% in altered envelope				
15.5	16.4			80	QM light to med green, moderate banding, minor QM-L, gradational to next unit					po 0.1-0.2%				
16.4	16.9				QML (QLM med-dark green (poss. alteration)					po - 0.0%, py 0.1-0.5% TS17.1				
16.9	18.6				Felsic tuff (PMQ) light green-grey, weak to moderate banding - last part may be FFb (Flow-banded felsite)					py 0.1-0.3% dissem-grains, lenses				
18.6	23.6				Felsite (P), massive to weakly banded flow - texture grades to felsic tuff towards end.					TS19.3				
					18.7-19.4 moderate, mottled biotite alteration					xqp 1-2cm, irregular; xq 2cm xq 1cm, 2.3cm, 1cm py 0.5% TS20.5 xq 6cm xq 2cm				
										xq 25cm 80% vein, minor py py 0.2-0.5%				
23.6	24.38				Felsic tuff, light green-grey									
					SEE DETAILED LOG - page 1A					xq 50% of rock, broken core, lost core xq 70% over 6cm, some lost core some graphitic seams in C, Rb 10 cm broken rock, minor gouge				
										10 cm gouge xp 8mm				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-04 (p 1A of 8

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location-	Level-	Survey data:	

Interval From	Interval To	Recovery	M.	%	Core/S	Description of Unit (L = Lithology S = Structure M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
24.38	24.8					R - miner seams - abundant *q broken					abundant *q 70% of interval broken, lost core				
24.8	25.1					Limestone (C), well bedded, contorted, ± felsic tuff, argillite.					*c irregular 2-10mm, some patches one patch py - 8mm across				
25.1	25.7					Argillite - black, good graphite surfaces		g g g			abundant *q, 70% of interval broken, lost core				
25.7	27.2					Felsite flow, silicified + quartz veins, late seams *p-t, a few graphitic seams unit brecciated moderately		g			*q 0.5-2 cm irregular *ptl 0.5-1 mm				
								g			0.2% py dissem				
27.2	27.4					Fault, grey to black gouge, rock chips					fair conductor R 150Ω				
27.4	30.9					Felsic tuff - strongly fractured, light grey to medium grey, moderate ankerite alt'n					2-3% dissem. vfgr. py *p 8mm				
						27.8-29.8 strongly fractured, some dark grey gouge, major core loss					light grey gouge strongly broken core				
											chlorite seams				
											black gouge, rock chips				
											0.1-0.2% dissem py - vfgr.				
											*p				

DRILL CORE LOG.

Company ..... Property ..... Scale ..... Hole No. 98-04(p.2 of 8)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery	M.	%	Core/S	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
						SEE DETAILED LOG, Page 1A									
30.9	32.9					Felsic flow, strongly silicified - weak to moderate ankerite alteration between zones of quartz					*p 2-5mm *q 2cm irregular 20% core TS 32.1				
32.9	36.5				40	Felsic flow - excellent flow banding in part pale grey - light green-grey					*q 5-10 cm - irregular patches *p 1-2 mm a few irregular veinlets *q *cg 1-5cm - coarse grained late qtl veinlets 0.2-1% py wispy veinlets, dissem 2-5% py *#pq 20% pyrite ~10cm wide				
36.5	36.9					QLM - h dark green					0.1-0.2% py				
36.9	37.45					Felsic tuff - buff ankerite alteration					*q 3-7 cm; 1-2 cm, 1-2 cm				
37.45	37.6				0	Limestone - cbd - contorted					*cq 0.5-2cm 0.1% py				
37.6	38.75				80	QLM dark green - med green; qtz segreg, contorted					*q 5-8 cm, barly				
38.75	39.5					Felsic tuff - QPM? light/med green					*q pod 1-2 cm 0.1-0.2% po				
39.5	42.85					QLMd medium to dark green, some well bedded, So commonly contorted after 41.5 - broken, darker grey, several graphitic partings					0.1-0.2% po *qtp, (late pyrite stringers) 35cm several graphitic partings, 1-10 cm				
42.85	45.95				85 80 70	QMP light green - creamy with medium green patches (5-10%) chlorite, fine grained texture, 5-10% qtz segregations this unit may be felsic tuff or flow - especially 43.9-44.1					*q - 2-10 cm *q 13 cm 0.2% po *pt 1-2mm *q *qp 5cm *q 0.1-2cm lensy; *qp 1cm *q *qal cm *qp 20-25cm broken core *q 1-2cm				
45.95						QLM - lensy - medium to dark green-grey a few quartz-rich segregations. lensy					10-20 cm gouge, lost core broken, lost core, minor graphite sheared core, weak, moderate gouge - lost core				
					85						10 cm gouge				
					85						8 cm gouge				
					85						gouge, broken core, lost core				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-04 (p. 3 of 8)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location-	Level-	Survey data:	

Interval From	Interval To	Recovery	M.	%	SVaug	Description of Unit (L = Lithology S = Structure M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
					80	QLM (continued)									
											1cm gouge				
					70						gouge, broken core, lost core				
60.9	62.8					Fault, grey gouge, small rock chips (major core loss)					py 0.5-1 mm 0.1-0.2% 35 cm gouge, major core loss				
62.8	72.9				90	QLM as before minor pyrite dissem and in veinlets locally minor po <0.05%					*q 0-2 cm, early				
					80						gouge, 4 cm				
					85						*q 1-5 cm				
											gouge 1-2 mm				
					80						gouge 1-2 cm *q 1cm, early *q 2cm, early gouge 3-5 cm *q 7mm, 7mm early				
					80						gouge, broken rock, 8-10 cm				
											*q 5mm, 5mm				
72.9	76.63				75	QM-L, light to medium green, early quartz veinlets, replacement					*q 3cm, irregular, early gouge, broken rock 70% over 20 cm *q 1-5 cm, early, several veinlets				
					90						*q 1-0 10 cm *q 1-2cm, 3-5 cm, 5-7 cm, early irregular 0.05-0.1% po				
76.65	77.55				70	indistinct contact Felsic flow, pale to light grey-green, so warped moderately, 0.5-1% po					*q 0 5 cm, irregular 0.5% po 0.1% po below flow				
77.55	79.1					QML medium to dark green-grey very finely bedded 78.4-78.6					*q 1-2 cm, irregular 30% core 0% po, 0.1-0.2% py *q 2-3 cm, irregular, folded				
79.1	85.4				85	QLM dark to medium green-grey. moderately abundant *q, q-tz segreg. 80.05-80.55 RC, dark grey - moderately calcareous + some thin Limestone beds					*q lensy 0.8-2 cm po 0.05-0.1%				
					80						5 cm gouge po 0.0-0.05% 50 cm gouge ~20% core				
						84.2-84.73 QM medium grey					30 cm gouggy rock po 0.05-0.1%				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-04 (p4 of 8)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level-	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	SV Core	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
79.1	85.4				QLM									
85.4	89.55			15	Felsic flow (P) - well banded so warped strongly; light grey, moderately brecciated					3-5 cm gouge, broken rock 35° \ core *q 1cm @ 20° core; 1% po *q - 7cm *q - pt 5-15cm 0° \ core				
				65					t	0.2-0.5% po 0.1% po				
89.55	91.4			50	R / QLMr dark grey to black, in places abundant quartz-rich lenses, locally moderately calcareous					0.05-0.1% po 1% py 0.5-2mm				
				65						20cm broken core, less gouge 0.1-0.2% po				
91.4	91.85				QLM as 79.1-85.4									
91.85	96.9			75	R/QLMr as 89.55-91.4 dark grey, lensy, moderately abundant quartz segregations					1% py as blebs, lenses				
										2cm broken rock, gouge, lost core				
				65						*qa 1.5-2cm, *c late				
					in and near fault graphite surfaces. RALL some zones are conductive over 5-8cm.		g			20cm gouge, rock chips, lost core				
96.9	98.7			80	QLM as 79.1-85.4					1cm gouge *q 1cm po 0.2-0.5%				
										po 0.1-0.2%				
98.7	101.8			80	Felsite flow 98.7-99.1 vfgr banded border zone 99.3-99.95 - moderate biotite alteration					po 0.5-1% *o 5-7mm; *o 5mm, lensy				
					100.7-101.8 finer grained, border zone light grey-green					*qo 15cm *qa 1-3cm (lensy); *qo 1-2cm lensy *q 1-3cm (lensy) po 0.1-0.5% *q 6cm				
101.8	103.28				QLM medium green-grey, slightly less mafic than above, gradational contact					po 0.1-0.2%				
103.28	107.4			85	QM-L light to medium green, relatively uniform				t	3 cm gouge, rock chips *qto 6cm; *q-ao 7cm po 0.2-0.5% ↑ po 0.1-0.2% ↓				
				90	105.8-106.5 pale grey - may be felsic tuff (PQM) po 0.5%									
				90						*q-ato 15cm, tourm. on border *q-ato 10cm, ank on border; tourm in core po 0.1-0.2%				
107.4	108.2				QLM dark-medium green									
108.2	109.3			85	Felsic flow/tuff (PM-L) - similar to 105.8-106.5					1-2 cm gouge, rock chips po 0.2-0.5%, locally >1%				
109.3	110.8				QLM medium to dark green, lensy, variable					*qoat 2-3cm; *qt 3-6cm *q-l 8cm *qaq 3cm po 0.2% locally 0.3%				
110.8	111.5				QM light green-grey, uniform, fine gr. texture					*qa 1cm po 0.1-0.5%				
									t	*qt 2cm *q 2-3 cm; *qp 1cm po 0.1%				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-04 (p. 5 of 8)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core SI	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
111.5	114.05				QLM; QML - medium to dark green, lensy, moderate quartz segregations, veins					gouge, rock chips 10cm *q 1-2cm lensy; 2-3cm *q 1cm, 2-3 cm, *q-L, late 40°/A core gouge, rock chips 10cm				
114.05	116.25			90	Qm-L light to medium green, similar to 110.8 - 111.5 but darker and less uniform					*q 2-3 cm *q 9cm, lensy, folded po 0.1%, locally 0.2%				
116.25	117.8			75	QLM - similar to 109.3 - 110.8					broken core, minor gouge 5cm *q 2cm				
117.8	122.53			85	QLM'r dark green-grey to locally black lensy, moderately abundant quartz segregations, small zones of strong def'm.					broken core, minor gouge 4cm 0.2% py, 0.0% po gouge 3mm				
				70			-g			minor graphitic surfaces minor py 8cm gouge, 2cm gouge 0.2-0.5% py				
122.53	128.6			85	Q hard, light green, some medium green bands Q-m, Qm, abundant quartz veins mainly 115, ± late *cq 40°, 10° to core locally minor po					*q 2-5mm, 15% of 50cm				
				90						*q 1mm-1cm 50% of 8cm *q-0 2-3cm				
										*q 5-12 mm 20% of 20cm *qc 40°/A core, late *q 1-2cm				
128.6	129.4			90	QLM/QML medium to dark green, lensy					*q-0, 2cm 10cm gouge, broken rock 2-3mm gouge on *q 0.1% po, 0.5% py *q 3-7mm, several				
129.4	131.85				Q, Q-m, -Qm similar to 127.53 - 128.6 but many beds have more muscovite and are softer					*q 4cm, irregular 0.1% po *q 1-3cm, *q 3-8cm + bx zone *c, patches py after po				
131.85	133.8			70	Qm light-medium green, similar to previous unit - but more muscovite.					0.1-0.2% po, 0.1% py *q 5cm; late py seams on fractures 5cm gouge, rock chips				
133.8	139.1			85	Q, Q-m light green - locally slightly darker → Q-ML					0.2-0.5% po *q 5-7cm, irregular, folded *q 1cm, *qc 10cm 45°/A core *q 1cm, 1cm, 2cm				
				75						*q 2-3cm, 1cm 0.05-0.1% po 2-3cm broken core, minor gouge broken core, minor gouge				
										po 0.1-0.2% 2-3 cm *q po 0.1%				
139.1	140.05			85	QM-L medium to locally dark green, banded slightly									

DRILL CORE LOG.

Company ____ Property ____ Scale ____ Hole No. 98-04 (p. 6 of 8)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery	M.	%	Core/S	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
140															
140.05	143.2				85	Q-m, Q as at 133.8-139.1, minor Qm-L					10 cm broken core ± gouge xp 1-1.5mm + patch 2mm x 1cm po 0-0.05%				
											xq 2-3cm; *py/po 1mm broken core				
143.2	144.1				70	Qm-L, QmL medium to dark green, variable					po 0.05-0.1% 1-2% leucoxene				
144.1	150.95				80	Q-m. light green-grey. foliation shown by well defined muscovite seams					xq 3cm po 0.0-0.05% xq 1cm				
					75						xp 1mm xq 5-7mm, 5-7mm xq 7mm, 1cm				
					70						xcq 20% core, late ✓ po 0.05-0.1% xq-c(ref) 0.5-0.7 cm, tightly folded 2-3mm gouge, crushed rock 40° \ core				
150															
											xq 5-6 cm				
150.95	152.8				70	Qm-L medium green, variable, 1-2% leucoxene					xcq 20° \ core, late 1% py. 1cm gouge, crushed rock				
152.8	154.6				75	Q-m, Q light green, similar to 144.1-150.95					xq 50% over 10 cm, early, irregular xq 8mm xq 1-2cm, 1cm, 2-3cm, early xq 1.5cm, 4-6cm, 2cm	0.2-0.5% @152.5 0.0-0.05%	po py po		
154.6	156.0				75	Qm-L, -Qm medium green, variable					0.2-0.5% po 0.1-0.2% po xq 1cm				
156.0	158.75				75	Q-m, Q light green, similar to 152.8-154.6 minor dark green bands QLM @ 157.5 to 157.7					xq 0.7, 1cm *pq 5mm xq 10cm + several 0.5-1cm py 3-4mm = 50% over 12cm xq 1cm, 7mm-folded				
											po 0.05-0.1% po 0.1-0.2%, py-scattered grains				
158.75	163.1				80						xqa 5-7cm, folded, irregular, early ~py 0.2-0.5% locally				
160															
					75						po 0.2%, locally 0.2-0.5%				
					70						2 cm broken rock, minor gouge po 0.1-0.2%				
163.1	168.5					Q-m, Q, as 156.0-158.75; minor QM-L					xq 10-12cm, irregular + rock inclusions, early xq 0.5-1cm, (lensy) 7mm				
					70	165.5-165.9 QM - pale green, patchy texture		\	1	\	5-10 mm gouge, rock chips 20% core *q 2cm, irregular, 20° \ core; late *pl 1mm xq 7mm, *q-p 3mm				
						Q, Q-m					minor py 0.3-1mm disseminon fractures xpt - wispy seams 11%				
					75										
168															

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-04 (p. 7 of 8)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
163.1	168.5				Q-m, Q									
168.5	169.4				Qm-L, QmL medium to locally dark green,					1 cm gouge, rock chips, 5mm same *p wispy seams 1-2% up to 2mm				
169.4	171.8				Q-M, Q as 163.1-168.5									
				170						1-2 cm gouge) 3cm *q, late py on fractures				
					171.3-171.6 - QM-L as 168.5-169.4					*q 2-3cm py 1-2% .1-2 mm 0.1-0.2% po in QM-L				
171.8	175.0 (approx)				QM-L as 168.5-169.4					*q 5cm - folded = 8cm total gouge. 2Bcm - grey strongly fractured, gougy core				
				160						po 0.0-0.1%				
175.0	179.05			165	Q, Q-M light green, grey - strongly fractured									
				175						2 cm gouge - large zone broken rock - *p 2mm		lost	core	
										gouge 20cm in broken core, lost core				
										*q 8cm irregular, breccia fill *q several 5mm - 1cm 50% of core	over	30cm		
179.05	180.3			185	QLM, QML medium to dark green					*ql 2-3 cm 0.2% po ± py				
180				180	(179.52-179.82 Q-m as 175.0-179.05									
180.3	184.8				Q, Q-M as 175.0-179.05					*q 60% of 25cm *q 5-7mm, 5-7mm *q 7cm *cq. a few 25° /core, late		1-3 mm		
				180						*q - po 1cm *q 7mm, 1cm, 1cm po 0.0-0.05%				
										*q 2cm				
184.8	186.45			175	QML/QLM, Q-M interlayered zone. med/dark green, light green					*q 1cm, 2cm, irregular, early local py 0.5-1mm po 0.05-0.2%				
					Q-m @ 185.2-185.6, 186.2-186.35									
186.45	191.5			175	Q-M, minor QM-L; light green, minor medium green, massive					py on fractures po 005-0.1%				
				180	abundant qtz veins									
										*q 5cm, 2cm *q 2-10cm, 80% over 40 cm. *q 30cm ± py on first contact	minor ; vq	py 1-2	cm	
				185						*q 1-2cm *q 0.30cm folded, only in half of	core;	*q	7mm	
191.5	191.97				QM-L/mQ-L medium green ± Q-m (lt green)					*q 80% of 20cm, veins 1-3cm po 0.0-0.1%				
191.97	197.45				Q, Q-M light green, abundant qtz veins					minor gouge in zone of broken rock *q 1-10cm, 60-65% of 1.05m.				
					194.63-195.0 - QML - med/dk green, variable					*q 7mm *q 7mm *q 12cm 1-2% py patches, grains	0.5-2 mm			
196										*q 0.5-5cm, 50% of 60cm				

DRILL CORE LOG.

Company ..... Property ..... Scale ..... Hole No. 98-04 (p8 of 8)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level-	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/AS	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
196													
191.97	197.45				Q, Q-m				xq 0.5-5cm, 50% of 60cm				
197.45	199.7				QLm, QML medium to dark green, like 191.6-				xq 3-10mm, 30% of 40cm				
					191.97 198.25-198.4 Q-m bed as before				0.2-1% py; 0.0-0.2% po				
199.7	199.94				Q-m lt-med. green, as before				minor gouge on *c 20°/core				
199.94	E.O.H.												

DRILL CORE LOG.

Company ____ Property ____ Scale ____ Hole No. 98-05 (p. 1 of 6)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level-	Survey data:	

L = Lithology S = Structure M = Mineralization

Interval From	Interval To	Recovery	M.	%	Core	Description of Unit	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
0.0	0					Overburden (cased)	O.B.								
						several fragments - possibly broken bedrock					* g 7-8 cm (in rubble)				
7.20	8.50					QMBG; light to medium grey-brown, 2-5% garnet 0.7-2 mm	G				* g 4 cm, 3 cm po 0.1-0.2% locally 0.2-0.5%	TS. 7.4			
8.50	12.19				75	QLMG dark green, lensy, minor biotite % garnet 0.3-0.7 mm	-G				po 0.05-0.2% variable				
						some Chloritic gash seams along S_2 up to 1mm thick									
12.19	14.28				65	QM-GL medium green, 2-5% garnet 1-4 mm	G				* g 1 cm po 0.00-0.05% * g 7 mm * g 7 mm, 5 mm, 5 mm no po.				
14.28	14.47					QLMOG - dark green, garnet 5% to 8 mm	G				5-7% po wispy stringers, patchrs no po				
14.47	15.6					QLMG medium-dark green, 2-8% garnet 1-3 mm	G								
15.6	16.4				60	QLM-G gradational between units garnet 1-2% 0.3-1 mm	-G				* g 2-3 cm				
16.4	22.1					QLM dark-medium green-grey, very lensy local 1-2% garnet 0.5-1.2 mm					* g 12 cm po 0.00-0.05% locally 0.1-0.2% * g 8 mm, 8 mm				
						moderately abundant early quartz segreg.					* g 1-2 cm, lensy * g 11 cm				
					55										
					70	gradational contact to next unit					* g 2-7 mm, early, lensy, 20-25% of 15 cm * g 5-10 mm 50% of 15 cm, early	of 40	cm		
22.1	24.2					QM-GL more variable than 12.19-14.28 minor quartz segregations 0-2% garnet 0.3-1 mm	-G				* g 2 cm po 0.05% * g 5-10 mm, early, 25% of 15 cm.				
					75										
24.2	25.8				70	QLM - medium to dark green, lensy, minor garnet 0.2-0.5 mm					po 0.0-0.05%, locally 0.05-0.1%				
25.8	26.6				68	QM-LG medium green 0.5% garnet 0.3-1 mm					po 0.00%, locally 0.00-0.05%				
26.6	28.5					QLM dark-medium green, lensy to banded. locally med brown-green from weak biotite alteration					* g 1.2 cm, early * g 1 cm folded				
					75										

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-05 (p.2 of 6.)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	SVOA	Description of Unit (L = Lithology S = Structure M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
26.6	28.5				QLM									
28.5	34.0			70	QLM/QMLb well banded, medium to dark green, scattered quartz segregations.					po 0.2-0.5% in biotite altered zone				
					28.8-29.3 weak to moderate biotite alt'n					po 0.0-0.05%				
				70						po 0.05-0.1%, local zones 0.1-0.3%				
					minor garnet 0.3-0.7mm									
				70						po 0.1-0.2%				
34.0	46.25				QmG-L light to medium green, uniform	G				po 0.05-0.1%				
				75	2-5% garnet 1-3mm, locally 5mm									
				70						x_{fg} 5-10mm				
						G				x_g 1cm po 0.05-0.1%, locally 0.1-0.2%				
				70										
				70	42.65 several garnet grains 5-15mm	G				po 0.0-0.05%				
					42.65-43.8 5-8% garnet	G								
				70						po 0.1%				
										po 0.05%				
						G				x_g 3cm				
				60						x_{fg}-a 3cm 55% core				
46.25	46.65				QLMG-R dark green, black, lensy	G				x_g 0.5-2cm				
46.65	47.75				QM-LG medium green, lensy, variable, some bright green layers 2-5mm. garnet 1-2%	-G				x_{fg} 3cm 0.1-0.2% po; py on several fractures				
47.75	48.8			75	Argillite - slightly calcareous (R-c) black with less light grey bands 1mm									
48.8	50.6				Intermediate crystal tuff or dike; minor interlayers of argillite, tuffaceous argillite					po 0.1-0.2%				
					suggest tuff origin 5-7% plag. phenos 0.5-1.5mm					0-0.05% po	TS 49.5			plag phenos coarser in core of thicker beds
50.6	52.1			75	Argillite (black) R-grades to QLM (dk. green) argillite is well bedded, QLM is not					locally 0.1%				
										po 0.2-0.5% local				
										x_p 1mm				
52.1	53.2			70	Intermediate crystal tuff as 50.6-52.1; coarser phenocrysts in core of unit									
53.2	54.2				Argillite, QLM - gradational - black to dark green									Fine Intermediate Tuff 53.4-53.67
54.2	54.5			70	Intermediate tuff, fine light green					py lenses (0.1-0.2%)				
54.5	58.8				QM-L, medium / light grey green,					0.2% py lenses + dissem.				
				65	mod. abundant qtz segregations, well banded					0.1% py				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-05 (p. 3 of 6)

Started -	Bearing -	Lat. -	Collar El. -	Logged by:	Remarks:
Completed -	Angle -	Dep. -	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

L = Lithology S = Structure M = Mineralization

Interval From	Interval To	Recovery M.	Recovery %	Scale	Description of Unit	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
54.5	58.8			60						py 0.2% lenses+dissem *q 3cm				
58.8	63.34			65	58.3-58.6 QLm dark green, lensy Interbedded Argillite (in part calcareous) with Intermediate tuff/crystal tuff @					*q 3-5cm lensy, deformed, early *q 1cm, early ank. on margin *q-a 8mm - ankerite on margin *q 1-2cm lensy	40% po 0	over .05-0.2	14cm	In QLm
		J		65	59.0-59.35 (medium), 59.5-60.3 (fine), 60.45-60.6 (fine), 61.63-61.72 (medium), 61.75-62.3 (fine), 62.55-62.6 (fine), 62.7-62.8 (fine), 63.14-63.34 (fine)					0.1% po in Zt *qa 0.5-1.5cm patchy; cut by *cl 12cm broken core, graphitic surfaces po 0.1% - locally 0.2%	(late)	1-5 R =	mm 1-10	
				80						*q 1-2cm, lensy *q 0.7-1mm, early 15% of 25cm *q 4cm, 2cm, early po 0-0.1%	po-	0.1-0.2%		
63.34	64.35				Mixed zone QLMr, QLM, Rc *c dark grey-green-grey, lensy-variable									
64.35	69.5			65	Intermediate tuff/flow light-medium green, massive mottled slightly 65.46-65.58 Argillite - slightly calcareous locally minor dissem. biotite to 2% in coarser grained varieties Argillite - slightly to moderately calcareous 67.65-67.80, 67.90-68.0					0.05-0.1% po locally, py on a few fractures 75 648 po 0.1-0.2% po 0.05% 75 682				
69.5	70.6			60	Calcareous argillite black/light grey grading to QLMr									
70.6	73.0			70 65	Q-ML medium green - quartz sandstone/siltstone, variable					0.2% po, 0.5% py 0.05-0.1% po ± py on late fractures 0.1-0.2% po				
73.0	73.95			65	QLM/Q-LM medium to dark green					*q 6cm po 0.05-0.1% py <0.1% po 0.1-0.2% *q 2-3cm, early; *q 5-8mm, early				
73.95	77.65				Q light to medium green - some irregular recrystallized quartz + veins.					*q 2-3cm early *q 10cm, early; 7cm early 60%	over 25cm			
77.65	78.55			60	QM-L, QML medium green, variable					*q 7cm, early; 5cm *q 0.7-1cm, early ± po; *q 2-3cm, irregular 20-30% core fine rock chips, probable lost core				
78.55	80.9				Q, Q-M, Q-ML light to medium green, relatively uniform					*q 2cm, early po 0.2% *q 2cm, early po 0.05-0.1% po 0.1-0.2%				
80.9	83.9				Q-LM, hard, medium to dark green, variable, 1% leucoxene spots					*q-L 1.5cm po 0.0-0.05 po 0.05-0.1%				
				60						po 0.2, locally 0.5-1% *q 3-4cm trace po				
83.9	84.75													

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-05 (p. 4 of 6)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level-	Survey data:	

L = Lithology S = Structure M = Mineralization

Interval From	Interval To	Recovery M.	Recovery %	Core	Description of Unit	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
83.9	86.75				Interlayered Q-LM, Q, Q-M, common irregular deformation - textures suggest soft-sediment.					po 0.2-0.5% *g 1cm, folded tightly. lenses of po on margins *g 1-2cm				
86.75	87.8			75	Q, minor irregular lenses, patches QLM light-medium green					*g 0.5-1 cm, *g 2-7 cm, irregular 1-2 cm rock chips, minor gouge, folded; early py 0.5-1% *g 1-2 cm 5mm gouge + 1-2 cm broken rock				po 0.1-0.2%
87.8	96.73				Q-LM to locally QLM medium to dark green; lensy, minor beds Q-M. commonly moderately to strongly; leucoxene 0.5-1%					po 0.1-0.2 py local lenses 0.5-1% 1-2mm gouge *g *p 7mm, 1cm, folded, early *p 2mm-late				
					interbeds of Q-M, Q at 92.4-92.9, 94.2-94.37 96.36, 96.47					*g 7mm, 1cm, Folded po 0.2%, locally 0.5%; py 0.5% po 0.1-0.2%, py 0.2-0.5% *g 1cm				
				80						*g 2cm *g a-p 1-3cm po 0.1-0.2% py 0.5-1%				
										po 0.2%, py 0.2-1% (local conc. in veinlets, lenses				
				85	grades to next unit with changing ratio of QLM, Q-LM vs Q, Q-M					*g-p 3cm				
96.73	113.57			85	Q light/medium green - very hard, massive uniform interlayers of QLM @ 97.33-97.53, 97.73-97.95					po 0.1-0.2% py 0.1% po 0.05-0.1% in Q, 0.2-0.5 in QLM po - 0% py 0-0.1% *g 7mm				
				70	(Q-Lm @ 100.76-101.13, 102.0-102.25, 103.53-103.70, 104.25-104.47, 109.54-109.72, 111.2-111.4, mottled, medium to locally dark green) sharp contacts					*g 2cm py 0.2-0.5% locally *g 4cm, early; *g 2cm early *g 3cm po 0.0-0.05 in Q 0.05-0.1 in Q-Lm				
				75						*g 15cm, early *g 5-7mm				
				75 70						*g 7mm *g 1-3cm, early, 30% of 18cm				
				75						*g-p 5mm *g 2-3cm *g 1-5cm, several, early, 40% over 18cm				
										*g 1.5cm, early				

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-05 (p. 5 of 6)

Started -	Bearing -	Lat. -	Collar El. -	Logged by:	Remarks:
Completed -	Angle -	Dep. -	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/S	Description of Unit (L = Lithology S = Structure M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
96.73	113.57			70	Q light green (continued) garnet cluster 113.50 1-1.5mm Q-LM interlayer 112.50 - 112.90	-G				po 0.0-0.05% *g 1.5cm po 0.2% in Q-LM *g 0.8cm				
113.57	119.95			80	QLM dark green, fairly uniform 1% leucox. massive, lensy - no good beds (contrast with next units					po 0.2-0.5% *g-a 1-2cm, early *g 0-2 cm lensy/poddy *ga 0-1cm, poddy				
				70										
				70	gradational into next unit gbedded									
119.95	120.8			70	QLM - medium to dark green, lensy to weakly					po 0.1-0.2% *g 5mm, 5mm				
120.8	122.6				QLMb moderately to well bedded, medium to dark grey-green, some lensy zones.					po 0.05-0.1%, locally 0.2%				
		W		70	as previous units. minor Q layers									
122.6	135.5			75	Q - light to medium green, relatively massive					*g early, 80% over 28cm				
				55	contorted interlayers QLM - commonly finely banded @ 125.55-125.7, 125.8-126.1, 127.8-128.4, 132.0-132.05 (fragment)					strongly broken core, minor gouge				
					rock cut by irregular seams and patches of breccia (late?) - in part with wispy seams of chlorite and minor seams of pyrite					*g 1cm *g lensy to 5cm, 1cm, 1cm lensy				
				75	most intense brecciation @ 128.35-128.55, 129.95-130.1, 132-132.3					strongly broken core *g 2-4cm lensy in breccia; 5cm *g *g 2cm				
										minor gouge, broken rock				
				80						*g 7mm-1cm strongly broken rock, gouge *g 20cm, in part in broken zone *g 2cm early				
				65										
135.5	136.12				Fault - gouge, rock chips, lost core					*g-L 6cm gouge + broken core 20cm, 30cm lost core, minor argillite				
136.12	150.87			75	Q, - Q-M, light to medium green, much of core is moderately broken from 141-145					10cm gouge				
					short intervals of Q-LM, QLM @ 137.6-138.3, 138.65-138.85, 139.8-139.9, 140.85-141.1, 141.83-142.0, 142.5-143.1 (lost core),					*g 1.5cm *ga 1cm *g 4-5cm early				
					144.3-144.9 (lost core)									

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-05 (p.6 of 6)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Vein Quartz	Description of Unit (L = Lithology S = Structure M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
136.12	150.87			70	Q; Qm continued.					xq irregular 1-4cm 50% of 12cm xq 1cm, 1cm 100% core xq 1cm folded, early				
				85						xq-p 8mm; xq 3cm				
										lost core; minor gouge xq 1-2 cm; 1-2 cm, leaky, early				
				75						xq 3-4 cm, early lost core, minor gouge xq 2-3 cm, early				
				80	So warped on scale of several cm 146.8-147.2					xq 10 cm, early				
				20	Qlm interval 147.4-147.6, 150.8-150.87					xq 7 mm 28 cm crushed rock, gouge				
				80										
				10										
				70						xq 2-3 cm mottled white to grey				
				90										
										strongly broken core, lost core (22 cm)				
150.87	E.O.H.													

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-06 (pg 1 of 5)

Started - Nov 17, 1998	Bearing - 180°	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle - -60°	Dep.-	Bottom El.	Size of core: NQ	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	SVeins	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
0.0	4.57				Overburden (cased), a few boulder chips	O				*1 7.9-8.4 *q, 1-3cm a few irregular veins 20-50° A core 1-2% py dissem, lenses				
4.57	6.0			75	Argillite (R) - slightly calcareous, black, in part with kink to 115 (Da) towards base more abundant calcite lenses 115,	22				po 0.2-0.5% black gouge, 2cm				
6.0	7.92			75	Calcareous argillite (Rc) black; abundant white calcite lenses 115, - could grade to limestone along strike Felsic tuff interlayers (brown) 6.0-6.22, 7.4-7.6					*q 8mm, minor gouge, lost core Fault. *q chips with graphite seams				
7.92	8.4			45	Felsic tuff (P.m), light grey, deformed	23				*abundant graphitic seams (lost core)				
8.4	8.65				limy, argillite, dark grey					*q 3-10mm, irregular 0-60° A core				
8.65	9.14				Felsic flow/tuff (P) light grey					a few graphitic seams, broken core 1-2% py				
9.14	9.7				Fault - chips of Argillite, minor felsic tuff, graphite					1-2% po, 1-2% py				
9.7	12.04			60	Felsic flow, tuff - biotite alt'n to 11.15 gives brown colour: then light grey-green fine tuff @ 9.7-10.0, 11.92-12.04					3-4% py, 0.0% po 1-2% po, 1% py 2-3% po, 1-2% py, *po 5mm *qc 1cm				TS 11.2 TS 11.5
				70										
12.04	13.55				Calcareous argillite (Rc) - black with abundant white lenses of calcite 115, as at 6.0-7.92					*qc 2-3cm, irregular 0.1-0.2% po				
13.55	14.4			70	Felsic/Intermediate tuff: to 13.65 brown; to 14.15 med green, then calcareous, dark green					0.1-0.2% po				TS 14.7
14.4	15.45			80	Felsic flow/tuff or QMB - light to medium brown bio flakes 0.3-0.5 mm					0.5-2% po				TS 15.7
15.45	16.59				Felsic flow (P) light grey - seams of biotite and									
				80	pyrrhotite									
16.59	18.1				Felsic flow(?) PB or QPB (in part), medium brown mod. abundant *ql, wispy segregations bio 0.5-1mm gradational contact to next unit					0.2-0.5% po, 0.2-0.5% py *ql 3cm, 4cm, green tinge, irregular *q 3cm irregular 0.2% po 0.1-0.2% po <0.1% py				
18.1	18.53				QPML-B med green, biodissem 0.2-0.5mm.					*qc 7mm-1cm				
18.53	19.0				QLM-B dark green, minor bio 0.1-0.3 mm					*q 5cm, 7mm				
19.0	24.1			75	QM-GL medium green, relatively uniform, garnet 2-3% 1-2mm, locally 2.5mm.	G				*q 8cm *q 7cm				
				75		G				po 0.05-0.1% *q 1cm, lousy				
				80	23.1-23.3 medium brown from biotite alt'n sharp contacts	G				*ql 2cm early *q-l 6cm 0.2-0.5% po in brown altered zone *q 2cm				
24.1	25.46			80	Interbedded fine QM-L, Argillite (grey)					1cm gouge 55° A core *q 2cm 0.0% po				
25.46	27.65				QM-GL as 19.0-24.1	G				*q-l 3cm				
				75		G								
27.65	28.0				QM-L, Arg. l.b interbedded units as 24.1-25.46m									

DRILL CORE LOG.

Company ..... Property ..... Scale ..... Hole No. 18-06 (p2 of 5)

Started -	Bearing -	Lat. -	Collar El. -	Logged by:	Remarks:
Completed -	Angle -	Dep. -	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
28 28.0	31.75			80	QM-GL medium green, as 25.46-27.65 but more irregular, lensy, some qtz segreg. lenses // S,	G								
30				70	30.0-30.46 - quartz - weak biotite alt'n light brown	G				0.1-0.3% po in altered zone *q 0.5-2cm, irregular, 3-4 cm, early *p 2-3 mm,				
31.75	32.55				Interbedded QM-L, R as 24.1-25.46, scattered quartz segregations									
32.55	34.53			80	QM-GL as 28.0-31.75 near end garnets 0.3-0.7 mm	G				*q 5cm, early po 0.05-0.1%				
34.53	35.9			75	Argillite (R), locally calcareous at start	Sc	S			*q 0.5-1cm lensy; py patches, veinlets 1-2% po 0.05-0.1% abundant graphitic seams				
35.9	37.5			75	QLM dark-medium grey-green, minor qtz veinlets					*q 8mm po 0.1-0.2%				
37.5	39.1				Cherty argillite strongly calcareous - locally limestone bands (fnd) dark grey/black. 38.8-39.1 - mainly banded argillite					*qc 1-10mm, irregular network gouge, broken cut along fractures on S, core, lost core				
39.1	44.0			80	QLM - dark to medium green-grey, some grades to MLQ (soft)					1-2% py *q 5cm 30° / core, early; 1cm, same py patch 8mm 0.03-0.1% po				
40				85	lensy, moderately abundant quartz segregation lenses, slight to locally strong warping					*qal-o 7cm bright green chl. *q 2cm; lenses qtz 0.5-1 cm *q 1-2cm, lensy - early				
				80						*q 5-8 mm, lensy 1-2mm gouge, 1-2cm broken core po 0.0-0.05%, locally 0.05-0.1%				
44.0	45.72			80	QM, light-medium green; soft at start becomes harder near end, moderate qtz segregation lenses, locally tight Fz folds					*q 2-3cm, folded, early *q 1-2 cm lensy, early 2cm gouge, broken rock, lost core				
45.72	47.65			80	QM-L medium green, similar to previous unit, locally 1% garnet 0.5-1 mm	-G								
47.65	53.0			80	QLM - medium to dark green-grey moderately hard to hard - silicification - mod. abundant quartz segregation lenses					*q 3cm po 0.05-0.1%, locally 0.1-0.2%				
50				85						*q 2cm *q 1cm early				
										*q 0.5-1cm, irregular, early 30% over 30 cm				
53.0	58.5			80	QLM softer, much less silicified, medium to dark green					*q 9cm, early *q-6cm-early po 0.1%				
				80	scattered quartz segregations @ 53.8-54 So warped to 0°, in fold 10-15cm across.					*q 1cm, 7mm broken zone parallel to core, no core loss 1 gouge - up to 1cm at start				
56														

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-06 (p3 of 5)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location-	Level-	Survey data:	

L = Lithology
S = Structure
M = Mineralization

Interval From	Interval To	Recovery M.	Recovery %	Core/AS	Description of Unit	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
53.0	59.5				QLM					*g 1cm, 1cm, early 2-3mm gouge ± broken rock *g 1.5cm, early *cqp late 1-3mm				
59.5	63.6				QLM, ØML, very fine to extremely fine, some coarser layers ØM, Ø-M, well bedded in part, very variable, locally tightly folded					*g 0.7-1.5cm, irregular, early 20% of 20 cm po 0.05-0.1%, locally 0.1-0.2%				
63.6	75.5				QLM - medium to dark green-grey lensy as 53.0-59.5; locally grades to ØML - med. green-grey					*g 4cm strongly broken core, minor gouge *g 1-2cm, early *g ot 9cm *g 0.5-1cm, vague, early 25% of 40cm 2cm rock chips, strongly chloritic po 0.05-0.1% po 0.2% *g 4cm *g 0.5cm folded, early *g 1-2cm, irregular, early *g 0.7-2cm, irregular, early *c 2cm + weak/moderate graphite po 0.0, locally 0.05-0.1% *g-L 7mm early *g 5-8mm irregular 40% over 8cm *g 3cm early *p - late 1mm on fracture *g 2-3cm, lensy, early *c/aqp 7mm, 45°∧ core, late				
75.5	76.1				calcareous argillite intervals @ 71.4-71.62, 71.9-72.0, 74.8-75.1 : black, lt grey lensy; 5-10% calcite, 0.0% po. *c, cq (late) occur on border of these intervals					po 0.1-0.2% *cq 1.5cm + weak graphitic partings, late po 0.05-0.1% *g 3-4, lensy, early *g 1-2cm early *cq - late 1cm *g 1-2cm early po 0.05-0.1% po 0.2-0.5% *g 1cm, early				
76.1	76.55				calcareous argillite as 74.8-75.1					*c 1-5mm, irregular network				
76.55	79.0 (approx)				ØM-L as 75.5-76.1 from 77.5-78.5 0.5-1% garnet 0.5-1mm									
79.0	80.1				Felsite flow, light grey to brownish grey 79.45-79.6 - ØM-L (med green-grey)					po 0.1-0.2% *c 2-3cm qpt; broken lost core; 0.5-1% pyrocinlets, dissem. *g 1-2cm; *g-ot 2cm; *g 2-4cm				
80.1	83.0				ØM-L medium green-grey to light grey					*g 2cm *g 1cm 0.2-0.5% po in rock 75 80.0				
83.0	86.1				QLMr dark grey to green grey, lensy moderately contorted, minor calcareous argillite @ 87.3					py 0.2-0.5% dissem + lenses 2mm py 0.05-0.2				
											Sample No.	Interval From	Interval To	Assays
											po 0.05-0.1% 2mm surface gouge cos			30°∧ vein, late core

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-06 (pg 4 of 5)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/AS	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
84 85.0					QLMr					*py <1mm several graphite surfaces py 0.05-0.2% *q-1cm in broken zone				
86.0	86.86				Fault-major					grey/black gouge - moderate cond strongly broken rock - veiner several graphite seams				
86.86	94.35				QLMr, QLM-r dark grey-green to medium grey-green, lensy; as 83.0-86.1 moderately contorted					py 2-3% very fine py 1-2% dissem + lenses 20-30cm rock chips + gouge, graphite seams common				
90				20						py 1-3% lenses + dissem minor graphite seams *q 2-5mm, irregular network				
				50						chlorite/graphite seams, broken core py 0.2-0.5%				
94.35	99.7			80	QML - medium to light grey-green, lensy minor biotite					*q-a 7cm *qa - 2-3cm irregular 0-10° core 0 + patch py 1-2cm (30% py) py 0.1-0.2% dissem + lenses				
				70						*q 1-2cm, 1-2cm, 3-4cm; irregular, early *q-ao 28cm, po + py conc. near bottom *q 1-2cm irregular, early				
99.7	99.9			70	Argillite, black, strongly fractured					*q 0.5-1.5cm in a few zones, early - *q 0.5-1cm, early *q 2-7cm irregular, early strongly broken core, gouge 20cm	30% of	10cm		
100 99.9	104.75			90 40	Q. light green; very fine grained, minor thin interlayers QML-QLM @ 101.4-101.75, 102.2-102.95					*qp 1cm chip in fault *q 1-3cm 75% of 15cm *q-6cm *po 1mm				
				80						*q 1-2cm, irregular, early *q 2-4cm, " " po 0.05%				
104.75	105.2				QLM-r dark grey					*q 1cm				
105.2	107.5				Qm - medium to light green, some silicified ± q-m. minor interlayers QLM @ 105.65-105.9, 106.05-106.15					*p 1mm late 0-10° core 2-3cm broken rock, minor gouge	local	0.1-0.2%		po in QLM
107.5	108.2			80	Q light/medium grey-green					*qt-o 90% of 35cm + muscovite *qa 1-1.5cm warped 45° core average 5cm broken rock, gouge		1-2	cm	broken rock, gouge
108.2	108.8				Q-ML, med grey-green, hard, lensy					gouge 1-1.5cm *q 2-3cm				
108.8	112.45				Quartz vein - white, broken in part - patches tourmaline-muscovite-pyrite @ 110.6 (1cm)					major Quartz Vein				
10					110.8 (3cm), 111.0 (5cm), argillite 110.83-111.0 - some gouge, broken rock					t				
					irregular patches QM 111.35-111.65 (65%) +					t to (musc) t 0.1% po in QM				
112					patch tourmaline 111.45 (4cm), 111.9 (5cm) ankerite in vein + QM 111.6-111.8									

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-061 (p. 5 of 5)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/S	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
108.8	112.45				Quartz vein									
112.45	119.17			65 / 70	QML medium to locally dark green, lensy variable.					xq 2 cm xq 1-3 cm, irregular, 25% of 30 cm broken rock, minor black gouge xqe-o 2-3 cm 2-3% py lenses ∥	2 cm s, irregular 0.5-1 mm			
					Q-M - uniform beds - light to medium green 117.9-118.1, 118.2-118.3					xq 2 cm xq 3-4 cm po 0.05-0.1% xq 0.7 cm ; 0.7 cm po 0.2-0.5% xq 1 cm early po 0.05-0.1%	locally py 0.2-0.5 % py locally 0.5 %	0.2% in more chlorite zones		
				80						xq 2-8 cm, 65% of 20 cm xcq .7-1 cm xq 0.5-0.8 cm, a few, irregular	lenses			
					gradational contact with next interval					xq 1 cm, 1 cm xq 3 cm early				
119.17	123.5			80	Q, Q-M, minor QM light green									
					minor beds, lenses QML, QLM 119.6-119.75, 121.65-121.74, 121.87-122.04					xq 1.3 cm 85% of 35 cm xbq 1 cm	ankerite in one vein			
				85						xfq 0.7-1 cm				
123.5	125.1				QM-L, Q-M coarsely interbedded									
				80										
125.1	128.56				Q, Q-M as at 119.17-123.5 light green									
				85										
128.56	130.5			80	QM-LB medium green, slight brown tinge from biotite, lensy : Q-M @ 130.08-130.4					xq 1 cm xq 5 cm, 7-10 cm, lensy xqo-t 1 cm				
										xq 0.5-2 cm				
130.5	134.11				Q, Q-M as at 119.17-123.5 light green minor QM 131.8-131.9;					xq 22 cm + host rock xq 4-5 cm xq 4 cm, 1 cm (10% of zone in 2 main veins)				
					minor QM B 132.8-132.85					xq 5-6 cm xq-a 3 cm xq 5-10 cm, irregular, partly ∥ core xq 5 mm				
134.11	E.O.H.													

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-07 (p. 1 of 5)

Started - Nov 18, 1998	Bearing - 180°	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle - -45°	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location-	Level-	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core Sz	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
0	13.34				Overburden (cased to 12.45m)								
									0				
13.34	24.0				Variably altered zone in QmB with superimposed strong biotite alteration → producing a rock which texturally resembles felsic flow also late biotite destructive event → chlorite-ankerite				~2% py *q 2.5cm, leasy (no halo) 7mm gouge *q (no halo) *q 1cm, 5-7mm (no halo) *q 8mm				
					dark biotite zones in part associated with QT veins @ 13.34-13.65, 16.64-16.87, 18.32-18.82, 19.8-20.33, 20.4-20.7, 23.34, 23.87				*q 1.5cm) irregular *q 1-2cm rock chips, limonitic, possible lost core *q 1cm Envelope of biotite - (BE) 2% py po 0.1-0.2%				
					biotite-destructive zones: 15.17-16.3, 17.5-17.8				*q 5mm (BE), 5mm (BE) 2% py *q 2cm, 13cm, folded (BE-strong) po 0.2-0.5% *q 1cm (BE) *q 1cm, 1.5cm, early, bluish-green po 0.1-0.2% *qt-p 13cm (BE) 0.2% py *q 1-1.5cm, a few 2-5mm (BE) 2% py				
24.0	24.58				QM-L pale green, chlorite-ankerite alt'n late				0.2% py				
24.58	27.7			80	QMB - medium green, dark green biotite - possibly → chlorite dark brown biotite alt'n 26.1-26.53				0.05-0.1 % po				
				80	grades into next unit - may be secondary after it				*q 0.2-3cm (BE) *q 7-10mm *q 1cm				
27.7	29.8				QML								

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-07 (p.2 of 5)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level-	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Cores	Description of Unit (L = Lithology S = Structure M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
27.7	29.8			85	QML - medium to dark green - uniform 1-2% dissem. biotite 0.3-0.5 mm					×q 1cm ×q 3cm, 5mm, 5mm po 0.05-0.1% ×q 7mm				
29.8	31.2			80	QmB - light - medium green to brown, bio 0.5-1 mm					0.2-0.5% po in biozone. ×qc 8mm ±0.5% ×q 1.5cm				
31.2	31.8				QB 31.2-31.33 - grades sharply to QVII-B									
31.8				80	Qm-Lb - some interbedded calcareous argillite - good sedimentary unit - scattered zone 0.5-1.5% biotite at start grades to calcareous argillite, argillite interbedded finely - dark green colour					0.05% po, locally 0.1%				
				85										
				85	QmLCb interbedded limy and non-limy beds - dark green, light grey Biotite rich zones look like replacement of this rock					po 0.05-0.1%, locally 0.2% 0.5% po				
				85										
40.72	42.02			80	Biotite alteration - uniform, no sulfides - disseminated 0.5-1 mm					×q 3cm ×q 5cm Folded; 8mm, 8mm folded ×qc 4cm ×qc 0.3-1cm 20% of 25cm				
42.02	44.27			80	QmLCb as before alteration zone									
44.27	45.42			80	Biotite alteration, moderately stronger bordering vein - no sulfides					×qc 8cm				
					QmLCb as 42.02-44.27									
				80						×qc 4cm ×qc 2cm				
47.17	48.90				Biotite alteration - uniform no sulfides									
48.9	49.45			80	Biotite grains less abundant from 48.0-48.9 but matrix is brown QmLC - weak biotite alteration, dark green					×qc py 1-2% 20cm, ×qc 10cm + many small ×qc ×qc 2cm 0.2-0.5% py				TS 49.8
49.45	50.45				Biotite alteration - medium brown groundmass +2-3% grains 0.3-0.7 mm.					0.2% py				
50.45	51.4				Felsite or intense alteration - light gray to light/medium brown					2-3% py - locally 3-4%				TS 50.8 TS 51.5
51.4	52.2			80	Felsite or intense alteration - medium brown					×q-c 5cm irregular				
52.2	53.6				x.f.gr. - bleached zones @ 51.8-52.4, 53.07-53.6 strongly altered sedimentary rock - calcite lenses abundant					0.5-1% py ×q-c 1.5-2cm ×ca late 1-5mm ×q-c 0.7-1.5cm bleached alt'n associated with these				
				75	Moderate grading to weak biotite alt'n medium brownish green bleached 53.6-54.0										
53.6	54.43				QmLCb, abundant calcite seams/beds - very weak biotite alteration									TS 52.8 TS 53.2
54.43	55.18				Felsite or strongly altered rock - fine biotite					×q-c 1-2cm ×q-c ×qc 0.5-3cm, several, 30% over 17cm ×qc 1-1.5cm 0.2-0.5% py				
55.18	56.7			75	55.18-55.6, bleached 55.6-56.4, fine biotite 56.4-56.7									TS 54.9 TS 56.2

DRILL CORE LOG.

Company ..... Property ..... Scale ..... Hole No. 98-07 (p.3 of 5)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery M.	Recovery %	Core/S	Description of Unit (L=Lithology S=Structure M=Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
56														
56.7	58.0				Coarse spotted biotite alt'n of sedimentary rock					*qc 3cm, 1cm *qc 10cm *qc 5cm 0.2-0.5% py *qc 1cm *qc 10cm TS 57.3				
58.0	60.75			80	Felsite - mainly bleached alt'n. ankerite-quartz minor coarser spotted biotite relics 57.5-57.9 - partly replaced by bleached alt'n - no calcite lenses					TS 58.3 *qc 1-5cm irregular, 50% over 15cm 2-3% py locally 1-2% py				
60														
60.75	63.45				Brecciated felsite (?) flow banded - bleached @ 61.3 sharp colour change to dark grey - then interbedded intermediate/felsic tuff (light grey-green) and					*a-ql irreg. stockwork 1-5mm, *qa 4cm 2cm black gouge - possibly lost core				
				40	dark grey tuffaceous sed's (?)									
63.45	64.9			50	Felsic flow/tuff, moderately altered to ankerite					py 0.1-0.2%				
		*								TS 65.0, 65.3				
64.9	66.14			65	Diorite (?) coarser grained, patchy biotite - weak, TS 65.0, 65.3					2-5% py irregular patches, locally 0.2% po *qp 7mm				
66.14	71.1				Strongly altered rock - variable biotite - fine to coarse, later bleached alt'n. probably mainly sedimentary origin.					*q 1-6cm irregular 20% over 70cm 1 py 2-7mm.				
					coarse spotted biotite 66.14-66.6 + brown groundmass then mixed, variably bleached					Py 1-2% locally 5-7 over 3cm *q 1cm *q 1cm 2-3mm gouge py 2-3%				
70					70.2-71.1 mixed groundmass biotite + spotted biotite					*qtp irregular, patchy TS 70.35				
71.1	78.55				Felsic flow - massive to banded - some sections may be tuff					@72.5 1-2% py (sharp contact with po				
				60	light grey to medium grey, locally brown. Strong biotite groundmass alt'n 71.1-71.6 weak mottled/spotted biotite throughout much of unit					*q-a (muse) 2cm (-pt) *qap 7cm, 1cm 0.2-0.5% po *qo 3cm 1-2% py, no *q 8mm *q-1cm 2-3mm gouge 0.5% py				
				60						*qo 4.5cm 0.2-0.5% po *qo 10cm → 0.5-1% po *qap 4.5cm 60° /core				
		x		65						*o 3mm, *q 2cm (leasy) *q-ol 5cm *qto 8mm *qo 2-3cm, *qa-o 4-5cm patch op 1cm				
78.55	79.04			60	Int tuff 78.55-78.67, Strong bio-alt'd sed's 78.67-79.04					30% po, 5% py TS 79.1, 79.3				
79.04	79.40				Semi-massive PO-Py in strongly altered rock					0.2-0.5% pp				
79.5	82.46									0.2% po, 1% py, locally 2-3%				
80				70	Felsic flow - moderate spotted biotite alt'n - weak pervasive groundmass biotite					*qo or patch o in silicified rock 0.5-1% pp *qoa - several 1-2cm TS 83.4				
82.95	83.07				Black argillite, minor limestone					*qoa 2cm 0.2-0.5% po, 0.5-1% py				
83.07	91.86			85	Felsic flow, massive, pale to light grey-green:					*qo a few veins 2-5cm 0.5-1% po 25% over 30cm				
					biotite alt'n (weak to moderate) @ 87.06-89.12					0.2% po, 1-2% py (none in limestone)				
84														

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-07 (4 of 5)

Started -	Bearing -	Lat. -	Collar El. -	Logged by:	Remarks:
Completed -	Angle -	Dep. -	Bottom El.	Size of core:	
Driller -	Length	Location -	Level -	Survey data:	

Interval From	Interval To	Recovery	M.	%	Core	Description of Unit (L = Lithology, S = Structure, M = Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
					70	white limestone ± felsic tuff 83.43-83.61					0.2-0.5% po; 0.5% py xg 8 cm, 2-5 cm - folded py 0.5-1% xg-tp 1-1.5, irregular				
					75						py 4-5% in thin bands // s, fg 1-2% xqo 5-7 cm xgtp 1-2 cm irregular patches				
					70						1-2% py, locally 2-3%				
											po 0.0-0.1% py 0.1-0.3%				
											0.5-1% py very fine grained				
91.88	104.0				85	QLM - red/dark green-grey, lensy abundant irregular quartz segregation lenses - some QML					1 cm strongly crushed rock, gouge 2 cm strongly crushed rock, gouge po 0.0-0.05%				
					80						po 0.0-0.05% xg 1-2 cm lensy po 0.05-0.1				
					85						xg 1 cm xg 3 cm xg 2-3 cm				
					75	99.15-99.8 QM light/med green - fine sandstone to siltstone					xg 1-2 cm lensy po 0.0-0.05, locally 0.05-0.1%				
					80						xg 4 cm				
					80						xg 2 cm; xg 1 cm, xg 3 cm, xg 3 cm 40% in 15 cm				
104.0	104.7					Interbedded Limestone, Argillite (white - black)					ground core, lost core 10-15 cm				
104.7	112.3				80	QLM, QML as 91.88 - 104.0					xg 2-3 cm				
					60	well layered (3-7 mm average) from 105.9 - 107.7					xg 2 cm, 1 cm 0.05% po, 0.1% py xg 1 cm, 3 cm, 1 cm, 1 cm (30% over 30 cm)				
					70						xg 6-8 cm				
											xg 8 cm, 1-2 cm po 0.0-0.05% py local 0.1-0.2% xg 1 cm, 1-2 cm, 1 cm folded				
					70						xg 2-3 cm folded xg 2-3 cm, xg 1 cm xg 1-2 cm, xg 2-3 cm xg 3 cm xg 8 cm, xg 3 cm 1-2% py lenses // s				
					65										

DRILL CORE LOG.

Company _____ Property _____ Scale _____ Hole No. 98-07 (p.5 of 5)

Started -	Bearing -	Lat.-	Collar El.-	Logged by:	Remarks:
Completed -	Angle -	Dep.-	Bottom El.	Size of core:	
Driller -	Length	Location -	Level-	Survey data:	

Interval From	Interval To	Recovery	M.	%	Core/S	Description of Unit (L=Lithology S=Structure M=Mineralization)	L	S	M	V	Description of Mineralization	Sample No.	Interval From	Interval To	Assays
104.7	112.3				65	Argillite, QLMr black-dark green-grey					1-2% py gouge, black, 20cm lost core broken core, a few strong graphitic surfaces 4-5% py on contact - then 1-2%				R = 1-10 Ω
112.3	113.2	M													
113.2	115.24	S			50	Felsic/Intermediate tuff (reworked)									
						+abundant medium grey qtz patches, lenses commonly NS;					Xg 35 cm 1-2% py dissem. + lenses				
		W			55	Felsic flow, weak-fine brecciation, light green					Xqa 2-3 cm, irregular 2% py, locally 3% TS 115.5				
115.24	116.1														
116.1	117.49	D			65	Felsic/Intermediate tuff, reworked as at 113.2 - 115.24.					1% py Xg 6-7 cm 0.5% py				
117.49	E.O.H.														

Appendix 4 Petrography

Appendix 4.1 Code for Nomenclature of Rocks, Veins, and Alteration Minerals

A code has been used to name the samples. For the metamorphosed sedimentary and volcanic rocks, major minerals (over 10%) are listed in order of abundance, and less abundant minerals (4-10%) are listed in order of abundance behind a minus sign. The list of minerals is as below; wherever possible the first letter of the mineral name is used. The symbol @ means porphyroblasts of the following mineral.

Rock-forming Minerals and Rocks

A	ankerite	H	hornblende, actinolite	P	plagioclase
B	biotite	K	K-feldspar	R	argillite
C	calcite	L	chlorite	Q	quartz
D	dolomite	M	muscovite	S	massive sulfide
E	epidote, clinozoisite	N	carbonaceous	X	clinopyroxene
G	garnet		opaque		

Note: after S, major sulfides and gangue minerals are listed as upper-case letters; if a conflict of letter exists, the vein and alteration code takes precedence. If sulfides are major or minor primary components of the rock, their names are written as abbreviations in square brackets in the code, e.g., a felsic rock dominated by plagioclase with lesser biotite and pyrite (over 10%) would be coded as **P-B[pyr]**.

Vein and Alteration Minerals

Veins are indicated by the symbol, *, followed by lower-case letters to indicate individual minerals in order of decreasing abundance. If the vein or alteration mineral is a major component of the rock, upper-case letters are used. As for the rock-forming minerals, minor phases are indicated after a "–" sign. Prominent alteration minerals are indicated by the symbol, #, followed by lower-case letters. If the alteration dominates over the fresh rock, upper-case letters are used for major alteration minerals. Vein and alteration minerals are listed below

a	ankerite	h	hematite	p	pyrite
c	chalcopyrite	i	limonite	q	quartz
d	dolomite, calcite	k	K-feldspar	s	sphalerite
e	epidote, clinozoisite	l	chlorite	t	tourmaline
f	apatite	m	muscovite	y	arsenopyrite
g	galena	o	pyrrhotite		

Other letters can be added to the code as new minerals are encountered. Rock-forming minerals that occur in veins or alteration assemblages are indicated by abbreviations within square brackets, e.g. [plag]. This is to eliminate confusion between plagioclase and pyrite.

Appendix 4.2 Thin Sections from Drill Holes

A: Felsite

A1: mainly unrecrystallized, unreplaced

DDH	depth	rock type	alteration	veins		
98-02	29.9 m	P-B	#o	*[plag]-c	*l	
98-02	118.5 m	P-BML				
98-02	183.5 m	PQM				
98-04	19.3 m	&PQPD				
98-04	20.5 m	P	-#p	*[plag]l	*l	
98-07	51.5 m	P-B	#qp			
	52.8 m	P-ABQ		*al-k		

A2: moderately recrystallized, replaced

98-01	132.2 m	P-QA		*a-o	*q	
98-03	70.7 m	P	#Q[Plag]Ao	*p		
98-04	32.1 m	P-AMF	#q[plag]ae			
98-05	64.8 m	PQ-LM	#qao			
98-06	15.7 m	P-M	#moab			
98-06	80.0 m	P	#qlop	*a	*p	
98-07	50.8 m	PQM-N	#qp			
	53.2 m	P-B		*a-q		
	56.2 m	P-M@B	#apq	*a		
	57.3 m	PB-A	#apkq	*apkq		
	58.9 m	P-M	#qap	*a		
	65.0 m	P-B	#[plag]bao			
	65.3 m	P-BM	#[plag]pab			
	70.35 m	P-B	#[plag]pab			
	83.4 m	P-MF	#aop			
	115.5 m	P-AL	#[plag]ap	*a		

A3: strongly recrystallized, replaced

98-03	42.3 m		#[plag]FPA			
98-03	43.4 m		#[plag]Q-C	*p	*l	*c
98-03	44.6 m	-P	#QLCpo			
98-04	17.1 m		#[plag]A-M			
98-06	11.2 m	-P	#[Plag]Q-amo			
	11.5 m		#[Plag]AO-Q			
98-07	49.8 m	-PM	#MAQBp	*al-k		

DDH	**depth**	**rock type**	**alteration**	**veins**

B: Massive Sulfide, Semi-Massive Sulfide

DDH	depth	rock type	alteration	veins
97-07	79.1 m	SOAQPB-[plag]		
	79.3 m	SO[Plag]QAME-P		

C: Muscovite-Quartz Schist

98-01	124.0 m	MQAP		
98-01	254.4 m	QM (in contact with) Q-BL		*lqo,
98-01	291.1 m	QAPM		*qa-s
98-02	154.2 m	MQCP	-#o	
98-03	88.8 m	MQ@B		
98-03	97.0 m	MPL-QI	#Q	
98-03	121.4 m	QM-P	-#o	
98-05	7.4 m	MQBA		
98-05	49.5 m	QMPL@A		
98-05	68.2 m	QMDL@B		
98-06	14.7 m	MQABL		

D: Argillite

98-07	54.9 m	R (MPQ)

Appendix 4.3 Thin Sections from Surface Samples

A: Felsite

P-227 Plagioclase-(Biotite-Muscovite-Ankerite) Schist (P-BMA)
Recrystallized Replacement Patch: Plagioclase-Ankerite-Pyrite (#[Plag]AP)

P-229 Felsite: Plagioclase-Muscovite-Quartz Schist with Biotite Porphyroblasts (PMQ@B)

P-235 Felsite: Plagioclase-Quartz-Muscovite-(Ankerite) Schist (P-QMA);
Replacement Patches: Quartz-(Ankerite) (*q-a)

P-236 Felsite: Plagioclase-Quartz-Muscovite Schist, Biotite Porphyroblasts (PQM@B)

P-246 Felsite: Plagioclase-Biotite-(Pyrite-Chlorite) Schist (P-BLA[Pyrite])
Veins: Chlorite-Pyrite-Ankerite (altered to Hematite-Limonite) (*lpa/hi)

P-248 Felsite: Plagioclase-(Pyrite-Biotite-Muscovite-Ankerite) Schist (P-[Pyrite]BMA)

P-281 Felsite: Plagioclase-Quartz-Muscovite Schist (PMQ-@Ai),
minor Ankerite/Limonite Porphyroblasts

P-352 Felsite: Plagioclase-(Quartz-Chlorite-Muscovite-Pyrite) Schist (P-QCM)

P-353B Recrystallized Felsite, minor Quartz-Ankerite-(Muscovite) (#[Plag]-qam)

B: Quartz-(Plagioclase-Muscovite) Gneiss

P-242 Quartz-Plagioclase-Muscovite-(Chlorite) Schist (QPM-L);
Minor Quartz-(Chlorite) veinlets (-*q-l)
P-260 Quartz-Plagioclase-Ankerite-(Muscovite) Schist (Meta-arkose) (QP-A)
P-299 Plagioclase-Quartz-(Muscovite) Schist (Meta-arkose or felsic tuff) (PQ-MA)
P-352 Quartz-Plagioclase-Chlorite-Muscovite Schist (QPLM)
P-373 Quartz-Plagioclase-Muscovite-Chlorite-Ankerite Schist,
minor Biotite, Ankerite Porphyroblasts (QPMLA-@BA)
P-375 Quartz-(Plagioclase-Muscovite-Ankerite/Limonite) Schist (Q-PMA#i)
Veinlets of Quartz and Ankerite (*q-*a)
P-383 Quartz-(Plagioclase-Muscovite) Schist (Arkosic sandstone) (Q-PM)

C: Quartz-Muscovite-Plagioclase Schist

P-237 Quartz-Muscovite-Plagioclase Schist, Ankerite Porphyroblasts (QMP@A)
P-250 Quartz-Muscovite-Plagioclase-(Chlorite) Schist (QMP-L), banded
P-255 Quartz-Muscovite-Plagioclase-Chlorite Schist (QMPL);
Minor Chlorite and Biotite Porphyroblasts (-@LB);
Minor Quartz-(Chlorite) Veinlet (-*ql)

D: Quartz-Ankerite-(Muscovite) Schist

P-260 Quartz-Ankerite-(Muscovite) Schist (QA-M)

E: Muscovite-Quartz-(Plagioclase) Schist

P-223 Muscovite-Quartz-Plagioclase Schist; minor Biotite porphyroblasts (MQP-@B/L));
Lenses of Quartz-Ankerite (*qa)
P-266 Muscovite-Quartz-(Plagioclase) Schist (MQ-P)
P-354 Muscovite-Quartz-Plagioclase-(Ilmenite) Schist (MQP-(Ilmenite))
P-423 Muscovite-Quartz-Plagioclase Schist, Minor Biotite Porphyroblasts (MQP-@B)

F: Limestone

P-296 Limestone (C)

98-01 *(DIORITE ATTACHED) 10 KM, BARKER CREEK RD, JUST SOUTH OF LANDING, Q.V FLOAT 30 LBS, 2 KM FROM BRIDGE

98-02 COLLEEN RD., VEIN UP TUCKETT, (BROKEN UP BEDROCK AT CULVERT), Q.V BEDROCK *AREA IS ALL GOSSANED

98-03 28.3 KM VEIN, REP SELECT SAMPLE, MAGNETIC, DARKISH SMOKEY BLUE GREY QUARTZ BEDROCK

98-04 L22+ 30S, 7+75E, BEDROCK, REP O/C SAMPLE, Q. MICA SCHIST, DIS, PO, PY, (FELSIC?) OUTCROP IN CREEK!

98-05 22.25 KM, 8400 RD, 33N + 8400 RD., Q. FELSIC SCHIST? IF NOT BEDROCK, VERY CLOSE

98-06 TH-97-36, NEAR BEDROCK, QF? 50LBS, PO

98-07 L24S OR 25S?, ABOVE 10+ 35W, REP SAMPLE WHITE Q. O/C, TOURMALINE, NO SULPHIDES!

98-08 TH 97 51, REP SAMPLE, SOME DIS, PO, FELSIC? SOME DARK SCHIST

98-09 L22+80S, 6+35E, BEDROCK, O/C DIS PO, PY Q. MICA, SCHIST (FELSIC?) REP O/C SAMPLE

98-10 L32S 0+00 BL, Q.F. UNDER UPROOT, IRON OXIDES, BLUISH COLOR? NO SULPHIDES

98-11 L 4S + 8400 RD., UPROOT, 20 LB OF RUSTY BROWN BLACK, SOME PO (FLOAT)

98-12 TOP OF BB RD. (OLD SAMPLE #97108- ORANGE FIELD BOOK)!, RUSTY REP SAMPLE, ALL RUSTY IN AREA!! TO FOLLOW UP AND RELOCATE

98-13 HARVEY CREEK, UTM 10 6 139 50, U 58 570 37, SEAM OF MALACHITE STAINED SCHIST IN O/C

98-14 ALICE VEIN, L42+15S, 11 + 00E, REP BEDROCK SAMPLE OF VEIN (SELECT)

98-15 50M DOWN RD. FROM ROACH SAMPLE #4180, UPPER GRAIN, Q RICH, SCHISTY SERICITE? PO, PY, DIS (FLOAT LOCAL)

98-16 UPPER GRAIN RESEARCH STATION #1, FLOAT, GREEN CHLORITE OR MG? A BIT OF QUARTZ ATTACHED!

98-17 ABOVE LANDING 64000 MAG HI AREA, UPPER GRAIN, FLOAT QUARTZ/ FELSIC? DIS PO, GARNETS, NEAR MAG HI

98-18 100M DOWN RD. FROM ROACH 4180, Q.F.

98-19 TR-97-6, F. RD., 1ST CLEARING, BEDROCK, REP SAMPLE OF SCHIST DARK, SERICITE? PO, PY, CPY? QUARTZ RICH SCHIST

98-20 TR-97-6, F. RD., 1ST CLEARING, *LITTLE BIT OF TOURMALINE, BEDROCK, DIS PY, PO, QUARTZ/ FELDSPAR? TYPE ROCK REP GRAB SLIGHTLY MAGNETIC

98-21 L13 + 50S, 4+90E, (8400 RD), LOTS OF MAGNETIC SULPHIDE- 100LBS, Q.F. FINE GRAINED, PO, CPY, + SILVERY MASSIVE PO, SHINY IRRESIDENCE?

98-22 HARVEY CREEK , JUST PAST MALACHITE , SCHIST, LIMESTONE, O/C, DIS CPY, PO, PY (OLD SAMPLE #97111)

98-23 TH-97-102 (UFO AREA), SCHISTY,VMS FOOTWALL? FLOAT, NEAR BEDROCK, DARK BALCK WITH OXIDIZED SULPHIDES

98-24 13.0 KM UPPER TASSE RD. BLASTED O/C, GNIESS, SOME DIS PY.

98-25 12.98 KM UPPER TASSE RD., O/C 20M BEFORE 13K FLAG, NARROW Q-SWEATS, O/C, SOME TOURMALINE OR ACTINOLITE? RUSTY, VUGGY

98-26 12.45 KM UPPER TASSE RD., O/C AT N. SIDE OF CORNER, RUSTY, Q-SWEATS, OR VEINS, NARROW 4-6" FRACTURED, VUGGY, RUSTY, NO SULPHIDES

98-27 L 43+ 25S, 1+50W, FELSIC TYPE? ROCK, MAYBE O/C, DIS. PO, (NEAR MAG HI, 75M. NORTH

98-28 UPPER GRAIN NEAR START OF TOTE RD. ON LAST LANDING AT END OF RD., FLOAT 10 LBS DIS. PO, Q???, FELSIC? FINE LAYERING SOME BIOTITE

98-29 L12+50S + COLLEEN RD., 1ST SWITCHBACK, *SOME TOURMALINE, B/R, Q SWEATS OR STRINGERS, GRAPHITE BLEBS, PY, PO, CPY

98-30 T96-A ACROSS TRENCH ON SOUTH SIDE, DIS. PY, PO, CRUSHED WALLROCK ACROSS T-A FAULT, WEATHERED, BLEACHED, QUARTZITE OR SANDSTONE?

98-31 T96-A, RUBBLE DUG OFF BEDROCK, SOME GALENA AND PY SEAMS, DIS., PY, PO

98-32 T9-A WEST END FAULT GOUGE, REP SAMPLE OF GOUGE MATERIAL

98-33 TR 97-3, (L1N 7W)*DIS. PO,PY IN SCHIST, QUARTZ RICH, REP SAMPLE FROM LENGTH OF TR. (FELSIC TYPE?)

98-34 10M NE FROM START OF TR97-3 (1N 7W) *A BIT OF CPY, Q VEIN MATERIAL, RUSTY, BIT OF PY, PO, SOME PIECES OF FELSIC ROCK TYPE ALSO

98-35 UTM 10 6 303 77, U 58 270 75, UPPER TASSE, BLASTED O/C Q-VEINS & SWEATS, VUGGY PY, RUSTY * LANDING AREA

98-36 TH-96-30, L 14+ 90S AND F RD. QUARTZ VIEN MATERIAL PO- A LITTLE BIT, SELECT SAMPLE.

98-37 TH-96-30, L14 + 90S AND F RD., COUNTRY ROCK, QUARTZ RICH SERICITIC, MICACEOUS SOME DIS, PO.

98-38 96 TR-E, 15 + 50S. SLIGHT CARBONACEOUS DARK QUARTZ RICH SCHIST DIS PY, PY CLOTS

98-39 KING 1, ACROSS THE LITTLE RIVER JUST BELOW LIMESTONE, GOSSANED SOILS NEAR VUGGY OXIDED RUSTY 0/C (NO SULPHIDES LEFT).

98-40 UTM 10 6 303 77 (30-08-97-02), U 58 270 75 (UPPER TASSE?), (Q RICH OR FELSIC), MUSCOVITE, (ALTERED AREA), GRAB OF REP SAMPLE FROM BLASTED O/C, DIFFERENT ROCK TYPES

98-41 (30-08-97-04) UTM 10 6 308 70 U 58 264 87, UPPER TASSE, Q-SWEATS, RUSTY/VUGGY BY SWAMPY CREEK! NO SULPHIDES

98-42 (30-08-97-05) 50M PAST 04 ON WEST SIDE OF RD., UPPER TASSE, O/C, Q-VEIN, MINOR PY, PO, 6-10" WIDE, SOME VUGS

98-43 (30-08-97-05A) (SAME SPOT AS BELOW 98-42), UPPER TASSE, Q-VEIN SWEATS, RUSTY, VUGGY, A LITTLE PY

98-44 50M SOUTH OF 98-43, O/C UPPER TASSE, 10-12" VIEN, O/C, RUSTY, NO SULPHIDE, VUGGY

59301 2 KM. AREA F RD., BUCKET OF SEDIMENTS COLLECTED IN 1994

59302 #1 BUCKET RED LID, 5 GALLON BUCKET OF COARSE SED. FROM 1993.

59303 #4 BUCKET WHITE LID, 5 GALLON BUCKET FROM 1993.

59304 02-27-94-10, 5 GALLON BUCKET FROM 1994

59305 #2 BUCKET WITH RED LID FROM 2 KM F RD., STREAM SEDIMENT 1993

Louis Doyle 1998 Rock Samples

05-23-98-01	Banded felsic type? Rock some biotite, some silica. Light colored, scratches easy near cutler anomaly or mag anomaly.
05-23-98-02	Schistose, quartz rich semi-massive sulphides Py, Po (c Py minor) 200 lbs 2Ft x 2Ft (10% - 15% sulphides?) suboutcrop or very local, angular 234 + 60S 7 +90E
05-23-98-03	Rusty float garnets, quartz * not sampled, lots of angular float 2 35S 8 + 10E
TH-97-37	
05-23-98-04	Repeat sample of o/c l37S 6 + 20E layered felsic rock? Rusty not much sulphide ** get petrography
TH-97-38	
05-23-98-05	sub o/c bottom of TH-38-20 FT down? Tourmaline minor CPY sericite
05-23-98-06	Phyllite with some garnets & 5 - 20% sulphides fair CPY, PO, PY * I think on pink blob **Deep in TH-38 but did not bottom?
TH-97-40	
05-23-98-07	Layered felsic? Minor sericite? Feldspar schist
05-23-98-08	Bottom west end of TH-97-39 o/c same rock type as 96-TR G on Hardychuk felsic volcanic
05-23-98-09	Tourmaline Q boulder some sulphides, bottom of TH-97-39 probable sub/o/c
05-23-98-10	TH-97-42 quartz with some sulphides PY, C PY, PO
05-23-98-11	TH-97-41 Felsic rock? Layered G trench type rock? 5-10% PY cubes! bedrock * some possible dark limestone!! In TH-97-41!!
05-23-98-12	TR-97-12 pink blob area graphite dark grey, black with some PY! (MO, CU, AS) bedrock
05-23-98-13	TR-97-12 (MO,AS,SB,BI,AU) Graphitic phyllite, some felsic, or calcite? Limonite zinc? Limonite, zinc? 10% PY?
TH-97-47	Is at L35S 5 + 50E graphitic
TH-97-49	L 35S 5 + 00E
05-23-98-14	bedrock * some possible dark limestone!! In TH-97-41!!
05-23-98-15	TH-97-44 Quartz vein quartzite? C PY at border of schist & quartz, probable broken bedrock? (CU,AU,BI)
05-23-98-16	Fault gouge on west end of TR-A Colleen Rd. tried repeat sample across 10 ft. (CU, BI,AU)

ROCK SAMPLES

Sample # 02-06-98 # 1 Bedrock 10 meters east of R # 62 2400-A road on bank

Sample # 02-06-98 # 2 Bedrock 100 meters east of R # 63 2400-A road on bank

Sample # 03-06-98 # 3 Bedrock 50 meters east of R # 72 on road bank

Sample # 05-06-98 # 4 Bedrock '50 meters from BB. RD Mag tag reading L 100 n 87+ 00 w

Sample # 06-06-98 # 5 Bedrock BB.RD 12.2 K.M Copper and magnetite left side going up

Sample # 10-06-98 # 6 Bedrock BB.RD Wolf showing

Sample # 10-06-98 # 7 Near 4211 Roach Sample above 12.2 Copper and magnetite BB.RD
Road sample possible bedrock

Sample # 10-06-98 # 8 Quartz float end of road Copper and magnetite 12.2 BB.RD to the right

Sample # 11-06-98 # 9 Quartz float 50 meters back from R # 133 stream
R # 133 stream UTM is 10 6 074 51
U 58 322 31 Elevation 1221 meters

Sample # 11-06-98 # 10 Light colored felsic type rock 200 meters up from R # 133
Road above adit

Sample # 11-06-98 # 11 Quartz sweats in same out crop as Sample # 11-06-98 # 10.5 meters up

Sample # 11-06-98 # 12 Bedrock Quartz type 2400 Road helicopter landing Sellers

Sample # 11-06-98 # 13 Galena and Quartz upper adit 2400 Road

Sample # 12-06-98 # 14 Bedrock mineralized Quartz and schist 18 s 5+25 e Jim road ditch

Sample # 12-06-98 # 15 Bedrock Representative sample trench 1-B 35 Meter stake

Sample # 15-06-98 # 16 Bedrock Quartz vein 2400 RD K.M 28.7 20 meters left of road Sellers C

Sample # 15-06-98 # 17 Bedrock Quartz vein 2400 RD km 23.2

Sample # 15-06-98 # 18 Float Green and magnetic 2400 RD km 19.7 uphill 2 to 500 meters

Sample # 15-06-98 # 19 Bedrock Massive sulfides Trench 1-B 35 Meters

Sample # 15-06-98 # 20 Bedrock Magnetic 2400 RD km 30.5 Sellers C

sample # 15-06-98 # 21 Bedrock TH-97-103 7+2 s 0+70.5 e 8400 and G .RD close to UFO

Sample # 15-06-98 # 22 Float Green rock none magnetic 2400 RD km 19.9 uphill 2 to 500 meters

Sample # 15-06-98 # 23 Magnetic layered laying on bedrock in TH-97-101 7+28s 0+99e
8400.RD and G.RD Rib running 90.degrees East

ROCK SAMPLES

Sample # 15-06-98 # 24 Bedrock slightly magnetic T.H -97-102 7+11s 0+81e
8400 RD and G.RD

Sample # 15-06-98 # 25 Bedrock TH-97-107 By 28.000

Sample # 15-06-98 # 26 Bedrock banded and magnetic TH-97-108 2+25n 5+04w Hardychuck

Sample # 22-06-98 # 27 Local Float sub outcrop 2400 R.D 24.5 KM
Rolling down bank in rusty zone

Sample # 22-06-98 # 28 Bedrock Beside R#30-C

Sample # 06-28-98 # 29 Bedrock Magnetic cliff 2400 R.D Helicopter pad Sellers

Sample # 06-28-98 # 30 Galena Quartz local probable 2407.5 Logging road to right 4 km

Sample # 28-06-98 # 31 Bedrock and local float representive sample 2407.5 Logging road to right
Near end of road by two clesr cuts

Sample # 28-06-98 # 32 Bedrock Wolverine.lake RD 9.km in

Sample # 30-06-98 # 33 Bedrock Quartz sweats-outcrop 150.meters uphill from stream R#12-A
Upper Grain

Sample # 01-07-98 # 34 Quartz vein Chip sample over 15 ft 30 meters .s of R#13 stream
Roach vein

Sample # 05-07-98 # 35 Bedrock Graphite and Garnets TH-104 17+2s 5+15e Jim road

Sample # 05-07-98 # 36 Float Upper Grain end of road by #1 Research station

Sample # 05-07-98 # 37 Magnetic Quartz Old number 05-06-97-# 09

Sample # 05-07-98 # 38 Bedrock slightly magnetic Tourmalean

Sample # 05-07-98 # 39 Float in creek L 9s 7+25e

Sample # 05-07-98 # 40 Colleen road below Trench-B on road before .Inside of culvert

Sample # 05-07-98 # 41 other # 05-07-97-02 T.F fore assay

Sample # 05-07-98 # 42 TH-97-4

Sample # 05-07-98 # 43 Bedrock Quartz+Schist Colleen road across bridge and gully 100 Meters

Sample # 05-07-98 # 44 Bedrock Quartz vein lava java -7

Sample # 07-07-98 # 44-A Bedrock wallrock -layered Aug-22/97 lava java-7

Sample # 07-07-98 # 45 Bedrock Quartz vein Aug-22-97#1 lava java

Sample # 07-07-98 # 45-A Bedrock Wallrock Aug-22-97#1

ROCK SAMPLES

Sample # 07-07-98 # 46 Bedrock Quartz vein Aug-22-97# 2 lava java

Sample # 07-07-98 # 46-A Bedrock wallrock Aug-22-97# 2 lava java

Sample # 07-07-98 # 47 Bedrock Quartz Aug-22-97# 8 lava java O/C

Sample # 07-07-98 # 47-A Wallrock some magnetic Aug-22-97# 8 lava java O/C

Sample # 07-07-98 # 48 Bedrock Quartzy Aug-22-97 # 10 lava java O/C tasse lake

Sample # 07-07-98 # 48-A Bedrock wallrock lava pipe Aug-22-97 # 10 lava java O/C

Sample # 07-07-98 # 49 Bedrock Quartzy Aug-27-97 # 11 tasse lake road

Sample # 07-07-98 # 50 Bedrock Mafic to altra mafic? Tourmaline Aug-22-97 # 12 lava java

Sample # 07-07-98 # 51 Bedrock rusted out quartz Aug-22-97 # 13 lava java O/C

Sample # 07-07-98 # 52 Bedrock Baron looking Aug-22-97 # 14 lava java O/C

Sample # 07-07-98 # 53 Bedrock Quartz 08-30-97-05 upper tasse

Sample # 08-07-98 # 54 Quartzy shisty L-T-2 O/C lower tasse

Sample # 08-07-98 # 55 Quartzy L-T-3 lower tasse

Sample # 08-07-98 # 56 Quartz L-T-4 11-km lower tasse

Sample # 08-07-98 # 57 Quartz L-T-5 Lower tasee

Sample # 09-07-98 # 58 Bedrock Ore pure OJ road Cariboo

Sample # 11-07-98 # 59 Bedrock galena 2400 road upper adit 20 meters from adit

Sample # 11-07-98 # 60 Bedrock Quartz 1 1/2 km past adit

Sample # 11-07-98 # 61 Bedrock Quartz 2.km past upper Adit near top

Sample # 12-07-98 # 62 Bedrock 1500 mag hi Research staition# 1 upper grian R.D 100 Meters South from research sign on S/W Kyanite area road

Sample # 12-07-98 # 63 Float Massive Sulfide upper grain road. Roller coaster road top of clearing

Sample # 13-07-98 # 64 Bedrock Quartz vein with galena .8 km rusty road Rusty road location 2400.RD 7.KM turn right 2.8 KM turn right rusty RD

Sample # 13-07-98 # 65 BedrockQuartz vein with galena .2 KM rusty road

Sample # 18-07-98 # 66 Outcrop Quartz with galena 2411.2 RD other side of mountain on upper addit

ROCK SAMPLES

Sample # 19-07-98 # 66-A Local float Quartz-galena-pyrite 2411.2 RD coming down bank off logging RD rep.sample

Sample # 18-07-98 # 67 Bedrock Quartz-galena-pyrite Big quartz showing of bedrock 2411.2 rd

Sample # 19-07-98 # 68 local Float on road cut 100 meters above upper adit quartz -galena

Sample # 19-07-98 # 69 Bedrock -Magnetic Lower Grain rd new logging rd.2.1 km.s in from Y past lava cone

Sample # 19-07-98 # 69-A Stream culvert silt same as # 69

Sample # 21-07-98 # 70 Float Quartz upper grain-200 meters.S of landing float on rd 6400 mag P.O

Sample # 21-07-98 # 70-A Dark gray Highly Magnetic upper grain same place as # 21-07-98 # 70

Sample # 21-07-98 # 71 Bedrock-Quartz+Shist upper grain 200 meters from end 97-R# 5

Sample # 21-07-98 # 72 Bedrock- Quartz rusty. Upper Grain block 1 Rep sample

Sample # 21-07-98 # 72-A Bedrock-Grayish slightly magnetic Block-1 upper grain

Sample # 21-07-98 # 72-B Bedrock-Green-Black-some layered Block-1 upper grain

Sample # 21-07-98 # 73 Float-sub outcrop Quartz-rusty-sulfides 10.55 km upper grain

Sample # 21-07-98 # 74 Outcrop-Shale-Quartzy-Mineralized none magnetic upper grain

Sample # 21-07-98 # 75 Outcrop-Quartzy-Bluish 6.45 km 20 mt upstream from bridge upper grain

Sample # 21-07-98 # 76 Float-DarkShale lots of mineral near end of tote road.13.6 km upper grain

Sample # 22-07-98 # 77 Float-Darkshale mineralized none magnetic 50.meters on tote road 97-R#1 upper grain

Sample # 22-07-98 # 78 Float-Mineralized-Shale dark bluish none magnetic 150-meters on tote road upper grain

Sample # 22-07-98 # 79 Outcrop- none magnetic.Minerlized shattered Bluish layered shale 13.3 km upper grain

Sample # 22-07-98 # 80 Outcrop-Magnetic .Minerlized some quartz black+bluish upper grain last landing below mag high 64000

Sample # 22-07-98 # 81 Soil # 1 upper grain mag high above 64000

Sample # 22-07-98 # 82 Soil # 2 upper grain taken off of mag high

Sample # 22-07-98 # 83 Outcrop-Rusty Quartz none magnetic rep sample Aug-22/97#10

Sample # 23-07-98 # 84 Rusty lava java Quartz Aug-22/97-1-A

Sample # 23-07-98 # 85 Rusty lav java Quartz Aug-22/97 # 4

ROCK SAMPLES

Sample # 23-07-98 # 86 Rusty lava java Quartzy Aug-22/97# 6

Sample # 23-07-98 # 87 Bedrock-Magnetic-Magnetite with a few Quartz stringers vugged out 8400.rd km.19.13

Sample # 23-07-98 # 88 Float-local hard bluish rock some shale. magnetic above mag high 8400.rd km.19.2

Sample # 25-07-98 # 89 Bedrock-Quartz-Galena top 2411.2 in gully-A 200 mt west of # 66

Sample # 25-07-98 # 90 Bedrock- Galena fine grain+Quartz 2411.2 in gully-B 225-mt westerly

Sample # 01-08-98 # 91 Quartz with mineral-98200-Louis

Sample # 01-08-98 # 92 Minerized rock 98201-Louis

Sample # 01-08-98 # 93 Mineral 98202-Louis

Sample # 01-08-98 # 94 Rusty rock 98203-Louis

Sample # 01-08-98 # 95 Quartzy dead looking 98205-Louis

Sample # 01-08-98 # 96 Quartz mineral 98206-Louis

Sample # 01-08-98 # 97 Shale-rusty and black 98207-Louis

Sample # 01-08-98 # 98 Quartzy black mineral 98208-Louis

Sample # 01-08-98 # 99 Float near bedrock bluish Quartz+Mineral TH-36

Sample # 01-08-98 # 100 Bedrock- Trench 97-1B very end near 8400-rd

Sample # 02-08-98 # 101 Quartz-Mineralized-Graphite on top of bedrock TH-97-105 15+43s 7+ 0e 8400 rd

Sample # 02-08-98 # 102 Bedrock- White rock with Mica TH-97-4 L-9n 8+25w

Sample # 02-08-98 # 103 Bedrock-Gaphitic Shale TH-97-22 UFO L- 7s

Sample # 02-08-98 # 104 Float-Quartz 01-06-09-97 across creek from Alex vein

Sample # 02-08-98 # 105 Float-close to bedrock 15+43s 7+01e TH-97-105 8400 rd

Sample # 02-08-98 # 106 Float-Cutler anomaly L40+80s 8400 rd

Sample # 02-08-98 # 107 Quartz-98204-Louis

Sample # 02-08-98 # 108 Quartzy+Black Mineral Layered Trench # 7

Sample # 02-08-98 # 109 Quartzy-Blue rock not much Mineral TH-97-110 Trench-97-8 extention

Sample # 03-08-98 # 110 Bedrock-Quartz vein L-42+15s 11+00e

Sample # 03-08-98 # 110 Bedrock-Magnetic Trench-97-8

Sample # 03-08-98 # 112 Bedrock-Magnetic TH-97-101 7+28s 0+99e . 8400 rd

Sample # 03-08-98 # 113 Float-local Quartz-Galena-Pyrite C rd 1.3 landing

Sample # 03-08-98 # 114 Float-Quartzy Mineralized layered none magnetic.C.rd 1.3 landing

Sample # 14-08-98 # 115 Outcrop-Quartz 50.m north-west of R # 152 lower. Grain new.rd

Sample # 14-08-98 # 116 Outcrop-25,m north west of R # 152 Lower.Grain new.rd

Sample # 14-08-98 # 117 Outcrop-25.m north west of R # 152.Lower.Grain new.rd

Sample # 14-08-98 # 118 Looks like outcrop-Stream R # 152.lower.Grain new.rd

Sample # 14-08-98 # 119 Quartzy-L-G near cat and landing lower Grain new.rd

Sample # 14-08-98 # 120 Pushed off Bedrock Slighty-magnetic 2.2-km lower.grain new. rd

Sample # 14-08-98 # 121 Sub outcrop-Magnetic left side of road going in near mag high-63000
Lower Grain new rd

Sample # 14-08-98 # 122 Bedrock-Slightly magnetic 2.1-km lower.grain new rd near mag high-63000

Sample # 15-08-98 # 123 Outcrop-none magnetic Above rusty rd by fault. hole in hill side

Sample # 15-08-98 # 124 Outcrop-none magnetic .15.km upper adit.rd north side

Sample # 15-08-98 # 125 Bedrock-Quartz-Felsic-Galena-300.m on W-B-1claim line

Sample # 15-08-98 # 126 Bedrock-Quartz-galena 450.m on W-B1 claim line

Sample # 15-08-98 # 127 Outcrop Quartz-galena 80.m in from landing 30.m up towards upper adit

Sample # 15-08-98 # 128 Felsic-mineral bottom of big Quartz bolder possible bedrock
same area as 15-08-98 # 128

Sample # 15-08-98 # 129 Quartz-galena-rusty vein above local bedrock push off with cat WB-2

Sample # 17-08-98 # 130 Bedrock-Quartz-galena-mineral 1foot wide vein C.rd 3.5km in
turn left logging rd. 1.4km in on left 30.m

Sample # 18-08-98 # 131 Sub outcrop Quartz-Galena-Pyrite 2411.2 rd 1.2 in on left rd on logging rd

Sample # 18-08-98 # 132 Outcrop-Quartz-Galena-other Mineral Upper adit rd .19 mt North. Side.rd

Sample # 22-08-98 # 133 Float-Minerized Upper Grain Upper .rd on way to upper reseach station
Rep Sample Kyanite trail Rusty zone

Sample # 22-08-98 # 134 Float-Magnetic Looks local Between R# 3+R# 4

Sample # 03-09-98 # 135 Bedrock-Quartz-30 to 50 mt 250 degrees W -SW of L-43s - 13+00w

Sample # 04-09-98 # 136 Float- L 13s Below Rick rock upper bank L.D

Sample # 04-09-98 # 137 Float- G.rd- Colleen.rd TR-A VMS-2

Sample # 04-09-98 # 138 Float- G.rd- Colleen.rd TR-A VMS-1

Sample # 06-09-98 # 139 Bedrock-Quartz Select Sample TH-97-30

Sample # 06-09-98 # 140 Float-Quartz Minerlized CPY-PO-PY 11+75s 7+20e

Sample # 06-09-98 # 141 Minerlized-Exhalite 12+00s 7+25e Colleen.rd

Sample # 08-09-98 # 142 Magnetic 4+75s 0+F.rd

Sample # 08-09-98 # 143 None Magnetic Float Shist L-38s 6w

Sample # 08-09-98 # 144 None Magnetic Shist 41+ 50s 2+ 50w F.B

Samlpe # 08-09-98 # 145 Bedrock Quartz 30.m west of L-43S 13-00W

Sample # 20-09-98 # 146 Bedrock Magnetic zone L-19s 20.m down from falls little.R

Sample # 21-09-98 # 147 Bedrock Quartz-Vein 15+90s Solfides

Sample # 21-09-98 # 148 Float-Quartz-Sulfides 16+75s 12+00e Little.R

Sample # 27-09-98 # 149 Bedrock-Quartz Chert Zone 12+50s Little.R

Sample # 27-09-98 # 150 Bedrock-Chert Zone 12+50s Little.R

Sample # 27-09-98 # 151 Float.L Quartz 12+50s Little.R

Sample # 27-09-98 # 152 Float.L Quartz-Sulfides

Sample # 27-09-98 # 153 Bedrock-Slightly Magnetic TR-97-8

Sample # 27-09-98 # 154 Bedrock Quartz-Tourmaline-TR

Sample # 28-09-98 # 155 Bedrock-Quartzy-Sulfides P# 100 Zone Little.R

Sample # 28-09-98 # 156 Bedrock P# 100 Zone Little.R

Sample # 28-09-98 # 157 Bedrock-Quartz Sweats close to L-20s beside big zone Little.R

Sample # 28-09-98 # 158 Bedrock-Shist-Sulfides Close to L-20s Big zone Little.R

Sample # 05-10-98 # 159 Bedrock-Quartz-Sulfides-Shist 12+50s other side of Little.R

Sample # 08-10-98 # 160 Bedrock-Quartz-Vein Sulfides Same as P#154_A Little.R

Sample # 08-10-98 # 161 Bedrock-Quartz-Vein-Sulfides Same as P#154-B Little.R

Sample # 19-10-98 # 162 Float-L 1.foot.square Sulfides+Quartz po-cpy-py Blue-blackL-8s 4+50e

97/98 Stream Sample

R# 0 Upper Grain.rd. Tote rd . slow-rocky some clay- road sample up stream 6/29/98

R# 1 Upper Grain,rd Tote rd. slow-sandy 9/28/97

R# 1# 1 follow up 75,m slow- sandy- Blue clay- Rusty 6/29/98

R# 1 # 2 follow up 150.m slow rocky 6/29/98

R# 2 Upper Grain rd 10.m Northerly research site # 2 slow-rocky-sandy UTM 6-214-99 9/28/97
58-387-61 elev.1521.m

R# 2 # 1 follow up 60.m slow- rocky-sandy 6/29/98

R# 2 # 2 follow up slow rocky- sandy 6/29/98

R# 3 Upper Grain rd slow-sandy 9/28/97

R# 3 # 1 follow up 75.m very slow-sandy-muddy R# 3 stream ends about 90.m 6/29/98

R# 4 upper Grain rd slow-sandy UTM- 6-211-58 9/28/97
58-519-08 elev-1395,m

R# 4 # 1 follow up 50.m very slow-muddy very little water stream ends turn to muskeck 6/29/98

R# 5 Upper Grain rd slow-rocky-sandy UTM-6-214-90 9/28/97
58-378-61 elev-1320.m

R# 5 #1 80.m Follow up Right on upper Grain rd runs along rd Rocky-sandy 6/29/98

R# 5 # 2 Follow up 130.m Rocky-sandy-rusty very slow 6/29/98

R# 6 Upper Grain rd Very fast main creek+Canyon Rocky-sandy UTM-6-216-78 9/28/97
58-377-40 elev-1293.m

R# 6 # 1 Follow up 70.m rocky-sandy Very fast Canyon 6/30/98

R# 6 # 2 follow up 120.m Rocky-sandy Very fast Quartz bolder in stream with mineral 6/30/98

R# 7 Upper Grain rd Rocky-sandy Sample off bedrock. Med speed UTM-6-218-19 9/28/97
58-373-08 elev-1278.m

R# 7 # 1 Follow up 65.m Rocky-Sandy Med 6/30/98

R# 7 # 2 Follow up 150.m-Rocky-Sandy Med 6/30/98

R# 8 Upper Grain rd Rocky-Sandy Med UTM-6-218-27 9/28/97
58-371-63 -elev -1269.m

R# 8 # 1 Follow up 55.m Rocky-Sandy Med 6/30/98

R# 8 # 2 Follow up 100.m Rocky-Sandy Med 6/30/98

R# 9 Upper grain rd Rocky-Sandy Med UTM-6-220-77 9/28/97
58-366-03 -elev -1368.m

R# 9 # 1 Follow up 70.m Rocky-Sandy Med Quartz Bolder right on 70,m stake 6/31/98

97/98 Stream Sample

R# 9 # 2 Follow up 138.m Rocky-Sandy Med 6/31/98

R# 10 Upper Grain rd Rocky-Sandy Slow UTM-6-222-11 9/28/97
58-364-10-elev-1341.m

R# 10 # 1 Follow up 70.m Rocky-Sandy Med Quartz in creek 6/31/98

R# 10 # 2 Follow up 112.m Sandy-Gravel Slow 6 by 6 foot Quartz bolder 120.m 1.m left side 6/31/98

R# 11 Upper Grain rd Rocky-Sandy Fast Main Stream UTM-6-225-49 9/28/97
58-361-01 -elev-1341.m

R# 11 # 1 follow up 90.m Rocky-Sandy Fast 6/31/98

R# 11 # 2 Follow up 140.m Rocky-Sandy Fast 6/31/98

R# 12 Upper Grain rd Sandy-Rocky Slow UTM-6-224-10 9/28/97
58-349-67-elev-1245.m

R# 12-A Upper Grain rd Rocky- possible fault 6/27/98

R# 13 Upper Grain rd Rocky- Bottom of bedrock UTM-6-224-20 9/28/97
58-344-89-elev1347.m

R# 14 Upper Grain rd Slow UTM-6-226-62 9/28/97
58-339-56-elev-1350.m

R# 15 Upper Grain rd UTM-6-227-14 9/28/97
58-339-07 -elev-1209,m

R# 16 Upper Grain rd Rocky-Sandy Fast Grain Creek UTM-6-230-41 9/28/97
58-333-07 -elev-1239.m

R# 17 Upper Grain rd Sample off of bedrock UTM-6-227-06 9/28/97
58-328-69 -elev-1287.m

R# 17 Upper Grain rd Rocky-Clay UTM-6-226-47 9/28/97
58-315-47 -elev- 1308

R# 19 Upper Grain rd Rocky UTM-6-224-98 9/28/97
58-313-52 -elev-1446

R# 20 Upper Grain rd Rocky UYM-6-223-99 9/28/97
58-305-19 -elev-1452

R# 21 Sellers Creek 2400-rd Rocky- Med Lots of green rock in creek 9/29/97

R# 22 Sellers Creek 2400- rd Rocky-Clay Slow 9/29/97

R# 22 # 1 Follow up 40,m Rocky- Slow Stake right side 6/9/98

R# 22 # 2 Follow up 100.m Rocky-Slow Stake right side 6/9/98

R# 22 # 3 Follow up 160.m Rocky-slow Stake right side 6/9/98

R# 23 Sellers Creek 2400- rd Shale - Slow Quartz Vain in creek 9/29/97

R# 23 # 1 Follow up 43.m Rocky-Slow Stake left side 6/9/98

R# 23 # 2 Follow up 104.m Rocky-Slow Stake right side 6/9/98

R# 23 # 3 Follow up 140.m aprox Rocky-Slow Stake right side 6/9/98

97/98 Stream Sample

R# 24 Sellers Creek 2400-rd Shale- Slow Quartz float in creek	9/29/97
R# 24 # 1 Follow up 50.m Rocky-Slow to Med Stake left side	6/9/98
R# 24 # 2 Follow up 175.m Rocky-Slow to Med Stake left side	6/9/98
R# 24-A Sellers Creek 2400.rd Rocky-Slow Quartz in Creek	
R# 24-B Sellers Creek 2400.rd Rocky-Med 30.m past 2424.km	
R# 24-C Sellers Creek 2400 rd Rocky-Shale Med-Fast Quartz in Creek	
R# 25 Sellers Creek 2400-rd Shale-Rocky Quartz in creek	9/29/97
R# 25 # 1 Follow up 66.m Rocky-Med-Fast Stake right side	6/23/98
R# 25 # 2 Follow up 130.m Very rocky- Med Fast Stake right side	6/23/98
R# 25-A Sellers Creek 2400 rd Rocky-Slow	6/22/98
R# 25-B Sellers creek 2400 rd Rocky-Slow	6/22/98
R# 26 Sellers Creek 2400-rd Shale-Rocky Quartz in creek	9/29/97
R# 27 Sellers Creek 2400-rd Shale-Rocky	9/29/97
R# 28 Sellers Creek 2400-rd Shale-Rocky Quartz in creek	9/29/97
R# 29 Sellers Creek 2400-rd Rocky-Sandy	9/29/97
R# 29-A sellers Creek 2400 rd Rocky-Sandy-Rusty Med	6/22/98
R# 29-B Sellers Creek 2400rd Rocky-Sandy Med-Slow	6/22/98
R# 30 Sellers Creek 2400-rd Shale-Rocky Quartz vain in creek	9/29/97
R# 30-A Sellers Creek 2400 rd lower end of Y towards creek Rocky - Slow trickle	6/22/98
R# 30-B Sellers Creek 2400 rd upper road at end Rocky-Sandy Slow	6/22/98
R# 30-C Sellers Creek 2400 rd Rocky-Slow	6/22/98
R# 31 Three Ladies N.rd Rocky-Fast Bridge	10/1/97
R# 32 Three Ladies N.rd Rocky-Sandy Med	10/1/97
R# 33 Three Ladies N.rd Sandy-Silty Med	10/1/97
R# 34 Three Ladies L.rd Sandy-Silty Med	10/1/97

97/98 Stream Sample

R# 35 Three Ladies K.rd Rocky-Sandy Very Fast	10/1/97
R# 36 Three Ladies K.rd Sandy-Slow	10/1/97
R# 37 Three Ladies K,rd Rocky-SandyMed	10/1/97
R# 38 Three Ladies K.rd Rocky-Sandy Fast	10/1/97
R# 39 Three Ladies K.rd Rocky-Sandy Very Fast side sample	10/1/97
R# 40 Tasse Lake rd Rocky-Sandy Slow	10/2/97
R# 41 Tasse Lake rd Sandy-Silty Very slow	10/2/97
R# 42 Tasse Lake rd Silty- Clay Very slow	10/2/97
R# 43 Tasse Lake rd Silty-Clay Slow	10/2/97
R# 44 Tasse Lake rd Sandy-Silty	10/2/97
R# 45 Tasse Lake rd Rocky-Sandy- Silty	10/2/97
R# 46 Tasse Lake rd Sandy-Silty-Clay	10/2/97
R# 47 Tasse Lake rd Rocky-Slow	10/2/97
R# 48 Tasse Lake rd Rocky-Sandy-Silty Beside swamp	10/2.97
R# 49 Tasse Lake rd Slow- Swampy	10/2/97
R# 50 Tasse Lake rd Silty-Sandy Med Bridge	10/2.97
R# 51	
R# 52 Tasse Lake rd Silty-Sandy Slow	10/3/97
R# 53 Tasse Lake rd Sandy-Silty-Woody mag hi lava	10/3/97
R# 54 Lower Tasse Rocky-Sandy-Silty Slow	10/3/97
R# 55 Lower Tasse Rocky-Sandy Little clay	10/3/97
There is no R# 56-57-58-59	
R# 60 Black Bear 2400-A rd Rocky- Very fast	10/17/97
R# 61 Black Bear 2400-A rd Rocky-Fast	10/17/97
R# 61 # 1 Follow up 50.m Rocky-Med	6/2/98 ~ 150
R# 61 # 2 Follow up 95.m Rocky-Med	6/2/98

97/98 Stream Sample

R# 61 # 3 Follow up 150.m Rocky- Med	6/2/98
R# 62 Black Bear 2400-A rd Rocky-Slow	10/17/97
R# 62 # 1 Black Bear 2400-A rd Rocky-Slow	6/2/98
R# 62 # 2 Follow up 110.m Soil,s Stream is very steap levels off and ends at 110 .m	6/2/98
R# 63 Black Bear 2400-A rd Rocky- Med	10/17/97
R# 63 # 1 Follow up 50.m Rocky-Med slow	6/2/98
R# 63 # 2 Follow up 100.m Rocky-Med-Slow	6/2/98
R# 63 # 3 Follow up 150.m Rocky-Med-Slow	6/2/98
R# 64 M,RD Sandy-Slow	10/17/97
R# 65 8400.rd Rocky-Fast	10/17/97
R# 66 8400.rd Fast	10/17/97
R# 67 Black Bear Sandy-Silty Med	10/18/97
R# 68 Black Bear Sandy- Silty- Med	10/18/97
R# 69 Black Bear	10/18/97
R# 70 Black Bear	10/18/97
R# 71 Black Bear Ryne rd Rocky-Sandy- Med	10/18/97
R# 71 # 1 Follow up 55.m Rocky- Slow Level	6/3/98
R# 71 # 2 Follow up 100.m Rocky- Slow	6/3/98
R# 71 # 3 Follow up 150.m Rocky-Clay- Slow	6/3/98
R# 72 Black Bear Casian rd Rocky-Sandy Med no follow up end of creek swamp	10/18/97
R# 73 Black Bear Casian rd Rocky- Med-Slow	10/18/97
R# 73 # 1 Follow up 50.m Rocky-Clay Med-Slow	6/3/98
R# 73 # 2 Follow up 116.m Rocky- Med Slow	6/3/98
R# 73 # 3 Follow up 155.m Rocky - Med slow	6/3/98

97/98 Stream Sample

R# 74 Black bear Casian rd Sandy-Silty- Slow	10/18/97
R# 74 # 1 Follow up 53.m Rocky-Sandy- Slow	6/5/98
R# 74 # 2 Follow up 100.m Rocky- Slow	6/5/98
R# 74 # 3 Follow up 141.m Rocky- Slow	6/5/98
R# 75 Black Bear Casian rd Rocky-Sandy- Fast	10/18/97
R# 75 # 1 Follow up 55.m Rocky- Fast	6/5/98
R# 75 # 2 Follow up 105.m Rocky- Fast	6/5/98
R# 75 # 3 Follow up 155.m Rocky- Fast	6/5/98
R# 76 Black Bear Casian rd Rocky-Clay- Med	10/18/97
R# 76 # 1 Follow up 60.m Rocky- Med-Slow	6/5/98
R# 76 # 2 Follow up 110.m Rocky-Clay- Med-Slow	6/5/98
R# 77 Black Bear Casian rd Rocky- Med	10/18/97
R# 77 # 1 Follow up 50.m Rocky- Med-Slow Lots of Quartz in Creek	6/6/98
R# 77 # 2 Follow up 102.m Rocky- Med-Slow Lots of Quartz in Creek	6/6/98
R# 77 # 3 Follow up 148.m Rocky- Slow Quartz in Creek	6/6/98
R# 78 Black Bear Ryne rd Rocky-Sandy- Med	10/18/97
R# 78 # 1 Follow up 50.m Rocky- Fast Quartz	8/6/98
R# 78 # 2 Follow up 95.m Rocky-Fast Quartz	8/6/98
R# 78 # 3 Follow up 150.m Rocky-Fast Quartz	8/6/98
R# 79 Black Bear Ryne rd Rocky-Sandy- Med	10/18/97
R# 79 # 1 Follow up 45.m Rocky- Med-Fast Steap	6/6/98
R# 79 # 2 Follow up 115.m Rocky- Slow Flatens out 100.m to120.m	6/6/98
R# 79 # 3 Follow up 150.m Rocky-Rusty Slow Flattens out about 150.m again	6/6/98
R# 80 Black Bear Mark rd Rocky- Med	10/18/97
R# 81 Colleen-G.rd Rocky- Sandy- Med	10/21/97
R# 82 Colleen-G.rd Rocky- Sandy-Muddy- Med	10/21/97

97/98 Stream Sample

R# 83 Colleen-G.rd Sandy-Clay- Med	10/21/97
R# 84 Colleen-G.rd Sandy-Clay- Fast	10/21/97
R# 85 Colleen-G.rd Sandy-Silty- Very Fast Little River	10/21/97
R# 86 Colleen-G.rd Rocky-Sandy-Shisty- Med	10/21/97
R# 87 Colleen-G.rd Sandy-Shisty- Slow Sample off of bedrock	10/21/97
R# 88 Colleen-G.rd Rocky-Shisty- Slow Quartz bolder in creek Minerlized	10/21/97
R# 89 Colleen-G.rd Rocky-Shisty Slow	10/21/97
R# 90 8400.rd Rocky-Sandy- Very Fast	10/22/97
R# 91 8400.rd Rocky-Sandy- Med	10/22/97
R# 91 # 1 Follow up 65.m Rocky- Fast Steep Quartz in creek Stake right side	7/16/98
R# 91 # 2 Follow up 140.m Rocky- Fast Quartz in creek Stake right side	7/16/98
R# 92 8400.rd Rocky-Sandy- Med-Slow	10/22.97
R# 92 # 1 Follow up 80.m Rocky-Rusty- Med Stake left side	7/16/98
R# 92 # 2 Follow up 140.m Rocky-Sandy- Med Levels out at a 140.m other wise L.Steep	7/16/98
R# 93 8400.rd Rocky-Sandy- Med-Slow	10/22/97
R# 93 # 1 Follow up 68.m Rocky-Sandy- M.Steep Quartz in creek	7/16/98
R# 93 # 2 Follow up 145.m Rocky-Sandy- Med Quartz in creek	7/16/98
R# 94 8400.rd Rocky-Sandy- Med-Slow 23.km Vain	10/22/97
R# 94 # 1 Follow up Rocky-Sandy- Med little steep	7/16/98
R# 94 # 2 Follow up 153.m Rocky Med	7/16/98
R# 95 8400.rd Rocky-Sandy-Clay- Med	10/22/97
R# 95 # 1 Follow up 63.m Rocky- Med Little steep	7/16/98
R# 95 # 2 Follow up 141.m Rocky-Sandy Med Level spot 141.m end of clear cut	7/16/98
R# 96 8400 Rocky-Sandy- Fast	10/22/97
R# 96 # 1 Follow up 70.m Rocky- Med Quartz in creek L-20n 11+ 50w Location of sample	8/2/98

97/98 Stream Sample

R# 96 # 2 Follow up 160.m Rocky- Med Quartz in creek 4 by 4 foot Q-Bolder 25.m up R# 96 pyrite visible	8/2/98
R# 97 8400.rd Rocky-Sandy- Med-Slow Two creeks turn to one	10/22/97
R# 97 # 1 Follow up 73.m Rocky-Sandy	8/2/98
R# 97 # 2 Follow up Rocky-Sandy Med Small Quartz in creek	8/2/98
R# 98 8400.rd Rocky-Sandy- Slow	10/22/97
R# 98 # 1 Follow up 75.m Rocky-Sandy- Slow Quartz in creek	8/2/98
R# 98 # 2 Follow up 135.m Rocky-Sandy- Slow	8/2/98
R# 99 8400.rd Rocky-Sandy- Slow	10/22/97
R# 99 # 1 Follow up 65.m Rocky-Sandy- Slow	8/2/98
R# 99 # 2 Follow up 140.m Rocky-Sandy-Clay- Med-Slow	8/2/98
R# 100 8400.rd Rocky-Sandy Rusty-Clay Med-Slow	10/22/97
R# 100 # 1 Follow up 70.m Rocky-Muddy-Rusty top lair Very Slow	8/3/98
R# 100 # 2 Follow up 140.m Dry sample no water	8/3/98
R# 101 8400.rd Rocky-Rusty Sand Slow	10/22/97
R# 101 # 1 Follow up Muddy- Dry sample no water	8/3/98
R# 102 8400.rd Rocky-Sandy- Slow	10/22/97
R# 102 # 1 Follow up 65.m Sandy-Silty-Gravely Very slow	8/3/98
R# 102 # 2 Follow up140.m Small Gravel-Sandy Very slow ST-89 is at 100.m	8/3/98
R# 103 8400.rd Rocky-Sandy Med-Slow	10/22/97
R# 103 # 1 Follow up 65.m Rocky-Sandy- Med	8/3/98
R# 103 #2 Follow up 145.m Rocky-Sandy- Med	8/3/98
R# 104 8400.rd Rocky-Sandy- Slow	10/22/97
R# 105 8400.rd Rocky-Sandy- Slow	10/22/97
R# 106 8400.rd Rocky-Sandy- Slow	10/22/97
200	
R# 107 8400.rd Rocky-Sandy- Slow	10/22/97
R# 108 8400.rd Rusty-Rocky Slow	10/23/97

97/98 Stream Sample

R# 109	8400.rd Rocky-Shisty- Fast Not a good sample	10/23/97
R# 110	8400.rd Rocky-Sandy- Slow Not on map	10/23/97
R# 111	8400.rd Very rocky- Med	10/23/97
R# 112	8400.rd Rocky-Sandy- Slow Not on map	10/23/97
R# 113	8400.rd Rocky-Sandy- Med	10/23/97
R# 114	8400.rd Rocky-Sandy- Slow	10/23/97
R# 115	8400.rd Rocky-Sandy- Very fast Ishkloo Creek	10/23/97
R# 116	8400.rd Rocky-Sandy- Very fast Little River	10/23/97
R# 117	O-J rd Rocky-Sandy- Very fast Little River	10/25/97
R# 118	O-J rd Rocky-Sandy- Med	10/25/97
R# 119	O-J rd Rocky-Sandy- Med Type of lime or sand stone in creek	10/25/97
R# 120	O-J rd Rocky- Fast	10/25/97
R# 121	O-J rd Sandy-Clay- Slow	10/25/97
R# 122	O-J rd Rocky-Sandy-Clay- Med	10/25/97
R# 123	O-J rd Sandy-Clay- Med	10/25/97
R# 124	O-J rd Rocky-Sandy- Med-Slow	10/25/97
R# 125	O-J rd Rocky-Sandy- Med	10/25/97
R# 126	O-J rd Rocky-Sandy- Med	10/25/97
R# 127	C.rd Rusty-Sandy- Slow Very rusty stream	10/26/97
R# 127 # 1	Follow up 70.m Sandy-muddy-Clay Slow	7/15/98
R# 127 # 2	Follow up 120.m Muddy-clay- Very Slow	7/15/98
R# 128	C.rd Rocky-Sandy- Slow Very rusty stream	10/26/97
R# 128-A	C.rd Rocky-Sandy- Slow	7/15/98
R# 128-B	C.rd Rocky-Sandy- Rusty layer Slow	7/15/98
R# 129	C.rd Sandy-Clay- Slow	10/26/97

97/98 Stream Sample

R# 129 # 1 Follow up 65.m Sandy- Slow Swamp at 70.m Stream ends	7/15/98
R# 129-A C.rd Sandy-Muddy Slow	7/15/98
R# 130 C.rd Sandy- Med Slow By Swamp	10/26/97
R# 131	
R# 132	
R# 133	
R# 134	
R# 135 Lower Grain Silty-Sandy- Slow	7/17/98
R# 136 Lower Grain Clay- Slow	7/17/98
R# 137 Lower Grain Rocky-Sandy- Slow	7/17/98
R# 138 Lower Grain Rocky-Sandy- Med	7/17/98
R# 139 Lower Grain Sandy-Silty- Slow	7/17/98
R# 140 Lower Grain Rocky-Sandy- Med-Slow	7/17/98
R# 141 Lower Grain Rocky-Sandy- Slow	7/17/98
R# 142 Lower Grain Rocky-Sandy- Med- Slow	7/17/98
R# 143 Lower Grain Rocky-Lava- Med	7/17/98
R# 144 Lower Grain Rocky-Sandy Slow	7/17/98
R# 145 Lower Grain Rocky-Sandy Slow	7/17/98
R# 146 Sellers.C.rd Rocky-Sandy Very fast Quartz in creek	8/1/98
R# 147 Sellers.C.rd Rocky- Very fast	8/1/98
R# 148 2400.rd Rocky-Sandy Fast	8/3/98
R# 149 2400.rd Rocky-Sandy- Fast Black Bear.Creek	8/3/98
R# 150 Lower Grain Rocky- Grain Creek at bridge	8/14/98
R# 151 Lower Grain new .rd Rocky- Fast right on corner big culvert	8/14/98
R# 152 Lower Grain new .rd Sandy-Silty Med	8/14/98
R# 153 Lower Grain new .rd Sandy-Silty- Slow	8/14/98

97/98 Stream Sample

R# 154	Lower Grain new,rd	Sandy-Silty-	Slow	8/14/98
R# 155	Lower Grain new.rd	Sandy-Silty-	Slow	8/14/98
R# 156	Lower Grain new.rd	Rocky-Sandy-Clay	Dry sample not sifted	8/19/98
R# 157	Lower Grain new.rd	Rocky-Sandy-Clay	Dry sample not sifted	8/19/98

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ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(640)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEM PRECIOUS METALS ANALYSIS

Barker Minerals Limited File # 9800755R2
22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	Au** ppb
R#10	<2
R#60	5
R#61	11
R#62	101
R#63	5
R#65	2
R#72	12
R#85	<2
R#93	2
R#97	<2
RE R#97	<2
R#99	86
R#101	3
R#104	3
R#105	3
R#115	2
R#117	2
R#124	<2
R#125	11
R#128	5
STANDARD AU-S	50

30 GRAM SAMPLE FIRE ASSAY AND ANALYSIS BY ICP/AA.
- SAMPLE TYPE: SED. REJECT
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAR 19 1998 DATE REPORT MAILED: May 19/98 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(640)253-3158 FAX(604)253-1716
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GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE

Barker Minerals Limited File # 9801742

22117 - 37A Avenue, Langley BC V2Z 1N9 Submitted by: Louis Doyle

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	PT** ppb	PD** ppb
S 9301	.7	48.6	7.9	54.7	65	36	17	676	3.29	.9	<5	6	19	.08	<.2	<.2	47	.39	.106	33	30	.76	84	.05	<3	1.82	.01	.35	<2	.2	24	<.3	<.2	5.5	3.2	1.9	3.4
S 9302	.8	37.0	7.2	41.3	58	25	12	606	2.67	1.1	<5	6	22	.09	<.2	<.2	43	.51	.136	21	22	.61	59	.04	11	1.38	.02	.17	<2	.2	<10	<.3	<.2	4.2	2.5	2.3	4.1
S 9303	.6	54.0	9.0	142.7	147	38	19	822	3.90	.9	6	6	30	.11	<.2	.2	57	.61	.114	35	33	.86	99	.04	<3	2.20	.01	.27	<2	.2	20	.4	<.2	5.8	1.9	1.9	3.6
S 9304	.9	59.6	9.5	69.2	103	44	19	577	4.03	1.0	<5	7	18	.11	<.2	<.2	53	.33	.092	36	36	.92	99	.06	3	2.18	.01	.36	<2	.3	15	<.3	<.2	6.4	1.3	.4	.1
S 9305	.9	45.7	9.3	56.6	181	31	14	971	3.11	1.4	<5	5	26	.25	.2	.2	48	.60	.122	33	28	.73	91	.04	<3	1.78	.01	.25	<2	.2	35	.3	.2	5.4	3.4	.4	.8
RE S 9305	.9	46.4	8.6	59.4	146	32	15	1034	3.21	.9	<5	6	27	.23	<.2	<.2	50	.64	.129	34	26	.76	93	.04	<3	1.86	.01	.22	<2	.2	30	.4	<.2	5.4	15.0	.7	.7

ICP - 5 GRAM SAMPLE IS DIGESTED WITH 30 ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.
- SAMPLE TYPE: -230 SILT AU** PT** PD** BY FIRE ASSAY & ANALYSIS BY ICP/GRAPHITE FURNACE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAY 19 1998 DATE REPORT MAILED: June 3/98 SIGNED BY..... C. Leong 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 EXTRACTION-ANALYSIS CERTIFICATE

Barker Minerals Limited File # 9802760

22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
TR-97-1 PROFILE S#1	1.8	57.7	18.7	95.5	<30	37	24	531	4.10	5.6	8	21	8	.06	<.2	.3	32	.19	.097	25	25	.76	29	.03	<3	1.60	.01	.12	<2	<.2	14	.7	<.2	4.4	3	<1	2
TR-97-1 PROFILE S#2	2.7	63.7	19.8	116.7	<30	41	22	497	5.22	7.4	<5	19	9	.13	<.2	.3	46	.21	.109	27	33	.87	44	.04	<3	1.91	.01	.14	<2	<.2	41	1.1	<.2	4.9	3	<1	1
TR-97-1 PROFILE S#3	8.6	47.9	28.0	167.6	246	39	20	388	5.08	9.8	<5	13	10	.35	<.2	.4	52	.14	.094	21	37	.74	73	.04	<3	2.12	.01	.14	<2	.2	68	1.4	<.2	5.2	5	1	1
RE TR-97-1 PROFILE S#3	9.0	47.3	20.6	166.3	150	39	20	390	5.05	9.6	6	12	10	.40	<.2	.3	52	.14	.093	22	36	.74	72	.04	<3	2.11	.01	.14	<2	<.2	57	.9	<.2	3.4	2	1	2

ICP - 5 GRAM SAMPLE IS DIGESTED WITH 30 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.
- SAMPLE TYPE: -230 SOIL AU** PT** PD** ANALYSIS BY FA/ICP FROM 30 GM SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 9 1998 **DATE REPORT MAILED:** July 20/98 **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 EXTRACTION-ANALYSIS CERTIFICATE

Barker Minerals Limited File # 9803715

22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
SOIL #1	4.1	27.4	21.1	53.2	203	17	7	521	4.97	4.9	<5	6	9	.14	<.2	1.2	57	.05	.098	17	45	.30	48	.07	3	2.25	.01	.10	<2	<.2	123	<.3	<.2	10.5	1	<1	1
SOIL #2	3.9	36.3	23.1	68.9	258	29	13	499	6.96	15.0	<5	8	11	.34	<.2	2.0	48	.07	.074	26	57	.76	64	.08	<3	2.86	.01	.24	<2	<.2	115	.3	<.2	11.2	1	<1	<1
L.G.Z.	1.4	33.7	19.2	46.6	80	34	13	238	2.86	2.6	<5	7	12	.09	<.2	.2	32	.12	.048	43	39	.72	110	.07	<3	2.81	.01	.41	<2	<.2	56	.4	<.2	6.6	<1	<1	<1
967183A	4.3	32.9	31.9	67.0	728	20	15	682	6.43	11.9	6	7	6	.26	<.2	1.4	41	.06	.147	26	52	.43	52	.06	<3	4.30	.01	.17	<2	<.2	226	.7	<.2	9.2	3	<1	1
967183C	3.6	34.1	22.1	69.7	119	23	9	317	4.49	7.6	<5	7	8	.16	<.2	1.0	31	.08	.059	26	38	.61	63	.05	<3	2.39	.01	.26	<2	<.2	83	<.3	<.2	6.3	1	3	5
RE 967183C	3.9	34.6	24.2	72.0	124	24	10	323	4.67	7.9	<5	7	8	.18	<.2	1.2	33	.08	.060	27	41	.63	65	.06	<3	2.51	.01	.26	<2	<.2	78	<.3	<.2	7.4	1	1	2

ICP - 5 GRAM SAMPLE IS DIGESTED WITH 30 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.
- SAMPLE TYPE: -230 SOIL AU** PT** PD** ANALYSIS BY FA/ICP FROM 30 GM SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 27 1998 **DATE REPORT MAILED:** Sept 9/98 **SIGNED BY:** C. Leong 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 EXTRACTION-ANALYSIS CERTIFICATE

Barker Minerals Limited File # 9803911

22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
L37+75S 6+25W	1.9	64.0	14.6	62.1	345	36	20	415	5.00	2.2	<5	8	13	.22	<.2	.4	85	.21	.057	34	39	.83	71	.06	3	2.83	.01	.14	<2	<.2	83	.4	<.2	8.3	6	<1	3
L38S 6+25W	1.2	53.2	9.1	75.9	277	38	24	871	4.11	10.1	15	4	35	.17	<.2	.2	78	1.06	.120	23	52	1.03	96	.05	<3	2.41	.01	.33	2	<.2	35	1.0	<.2	8.1	3	<1	12
L38S 6+00W	1.4	58.0	12.5	101.2	203	42	20	564	5.05	2.4	25	4	30	.21	<.2	.3	95	.86	.070	38	58	.93	96	.06	<3	2.70	.01	.24	<2	<.2	66	.9	<.2	7.9	3	<1	14
L40S 4+75W	1.7	37.1	11.7	64.7	361	21	11	508	4.32	3.1	<5	<2	14	.21	.2	.4	76	.14	.137	13	31	.51	109	.07	<3	2.01	.01	.20	<2	<.2	66	<.3	<.2	10.7	<1	<1	<1
L40S 3+75W	.7	51.7	8.4	77.7	<30	45	20	347	4.36	1.6	<5	12	20	.04	<.2	<.2	55	.38	.078	31	43	1.15	131	.09	<3	2.47	.02	.44	<2	.3	11	<.3	<.2	7.0	1	<1	2
L40S 3+50W	2.3	64.9	7.1	8.3	182	9	1	59	.33	1.2	38	<2	67	.49	<.2	<.2	20	2.04	.040	21	16	.06	47	.03	3	.95	.01	.01	<2	<.2	91	11.4	<.2	2.5	2	<1	8
L40S 3+25W	.7	20.3	11.2	84.1	85	32	14	204	4.96	1.4	<5	8	7	.08	<.2	<.2	55	.08	.043	19	42	.80	80	.06	<3	3.94	.01	.13	<2	.2	43	.3	<.2	7.0	1	<1	1
RE L40S 3+25W	.9	22.2	10.5	86.1	129	33	14	205	4.96	2.1	<5	8	7	.08	<.2	.2	54	.08	.044	17	44	.80	80	.06	<3	3.95	.01	.13	<2	<.2	46	.4	<.2	7.4	<1	<1	<1
STANDARD D2/C3/FA10OS	23.4	127.8	92.9	273.1	1889	30	17	1020	4.12	76.1	19	21	54	1.92	9.7	22.6	68	.69	.108	15	54	1.07	248	.12	34	2.19	.04	.66	17	2.0	941	.3	2.2	7.8	46	45	46

ICP - 5 GRAM SAMPLE IS DIGESTED WITH 30 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.
- SAMPLE TYPE: -230 SOIL AU** PT** PD** ANALYSIS BY FA/ICP FROM 30 GM SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 8 1998 **DATE REPORT MAILED:** Sept 18/98 **SIGNED BY.** C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data f FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(640)253-3158 FAX(604)-1716.
(ISO 9002 Accredited Co.)

GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE

Barker Minerals Limited File # 9801741 Page 1

22117 - 37A Avenue, Langley BC V2Z 1N9 Submitted by: Louis Doyle

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
9801	4.3	2404.8	12.4	25.5	1391	98	135	161	8.13	.8	<5	<2	8	.30	.6	6.6	2	.15	<.001	<1	23	.01	2	<.01	<3	.02	.01	<.01	<2	.3	15	5.3	.9	<.5	3	<1	5
9802	3.0	345.3	3.6	15.2	103	92	137	58	3.92	2.8	<5	<2	1	.04	.5	<.2	4	<.01	.003	3	31	.13	9	<.01	<3	.42	.02	.09	8	<.2	<10	1.1	.3	1.6	1	<1	<1
9803	4.2	1083.9	7.5	13.4	827	53	44	88	7.76	.5	<5	<2	4	.05	.2	60.2	1	.05	.005	1	28	.02	4	<.01	<3	.06	<.01	.03	321	.2	<10	2.5	40.5	.8	95	<1	<1
9804	2.2	44.5	10.6	37.8	74	30	12	547	2.90	<.5	<5	9	19	.08	<.2	.6	10	.55	.036	19	32	.67	20	<.01	<3	.92	.02	.17	6	<.2	<10	<.3	.2	2.4	3	2	1
9805	2.3	27.5	7.6	44.0	73	30	11	227	2.81	<.5	<5	8	11	.05	<.2	.3	10	.14	.033	7	37	.79	16	<.01	3	1.26	.03	.11	2	<.2	10	<.3	.2	3.1	<1	1	<1
9806	3.6	220.1	21.8	11.3	801	35	23	425	3.61	.6	6	<2	12	.08	<.2	42.8	2	.52	.006	2	34	.24	11	<.01	<3	.12	.01	.08	10	<.2	<10	.9	16.5	.7	802	3	<1
9807	3.2	31.2	5.5	12.7	34	16	3	112	1.11	.5	<5	3	5	.01	<.2	2.5	7	.03	.017	10	24	.21	11	.02	28	.38	.02	.15	<2	<.2	<10	<.3	.2	1.3	50	<1	<1
9808	13.6	42.4	20.4	71.5	86	38	10	602	2.24	.7	<5	6	660	.97	<.2	.3	18	10.05	.057	5	18	.58	65	<.01	<3	.59	.01	.16	2	<.2	<10	.9	.2	1.5	4	<1	2
9809	2.4	39.0	11.0	60.6	88	41	14	832	3.41	1.6	5	8	11	.11	<.2	.2	20	.36	.024	14	43	.95	34	.03	<3	1.47	.03	.23	<2	.2	16	<.3	<.2	4.2	<1	<1	<1
9810	2.2	11.3	8.0	21.4	212	9	5	904	2.69	.9	<5	2	43	.15	<.2	1.7	9	1.50	.018	4	27	.49	18	.02	<3	.45	.02	.10	5	<.2	<10	<.3	<.2	1.3	<1	2	<1
9811	3.6	242.4	651.3	4.1	23976	211	36	37	15.28	<.5	<5	<2	1	1.40	2.0	828.3	1	.01	.002	<1	17	<.01	15	<.01	<3	.04	<.01	.01	<2	.5	<10	12.3	9.4	<.5	19	2	77
RE 9811	3.5	244.6	638.2	4.0	25214	208	35	37	15.24	<.5	<5	<2	1	1.47	2.2	842.2	1	.01	.002	<1	19	<.01	15	<.01	<3	.03	<.01	.01	<2	.4	<10	12.9	10.9	<.5	20	2	83
9812	1.1	18.9	22.1	73.5	251	22	51	1712	9.01	8.3	<5	<2	78	.50	<.2	3.3	8	2.31	.103	<1	11	.56	22	<.01	<3	.29	.08	.08	3	<.2	<10	.9	.5	.7	3	<1	<1
9813	1.5	4687.3	7.3	135.6	2232	25	49	1083	9.01	<2.5	<5	2	47	.28	<1	<1	205	1.50	.178	13	11	3.13	10	.05	3	4.14	.03	.01	<2	<1	489	<1.5	1.4	15.4	45	<1	<1
9814	2.7	440.2	82.8	7.3	1149	19	25	69	10.34	<.5	<5	<2	1	.08	.2	139.1	1	.02	.001	<1	29	.01	1	<.01	3	.02	.01	.01	10	<.2	14	2.8	50.6	<.5	4	3	<1
9815	3.7	94.0	24.3	20.3	200	16	13	141	1.03	<.5	<5	2	4	.06	<.2	.7	5	.05	.015	4	24	.14	16	.02	<3	.26	.03	.14	<2	<.2	<10	<.3	.4	.9	<1	<1	<1
9816	.4	2.9	.4	464.4	<30	19	24	1380	12.98	<.5	<5	<2	1	.01	<.2	<.2	146	.04	<.001	1	40	6.61	3	.04	<3	7.32	<.01	.01	<2	.4	<10	<.3	<.2	7.1	<1	1	<1
9817	4.2	7.4	7.7	60.5	64	43	11	571	3.02	<.5	5	7	58	.69	<.2	.2	143	1.22	.151	17	66	1.15	102	.04	<3	2.34	.14	.14	<2	.2	<10	<.3	<.2	8.7	<1	4	<1
9818	3.2	121.4	32.0	65.0	432	46	23	216	3.49	<.5	<5	9	6	.22	<.2	.5	34	.05	.016	20	45	.50	42	.06	<3	.81	.06	.51	<2	.4	<10	.8	.4	4.0	1	3	<1
9819	1.7	67.4	13.0	85.6	74	48	17	397	4.51	<.5	<5	14	7	.02	<.2	.3	9	.16	.088	20	32	1.01	34	.01	<3	1.99	.01	.24	<2	<.2	<10	.3	<.2	5.1	<1	2	<1
9820	2.7	78.9	12.6	25.0	138	41	16	598	2.61	<.5	<5	9	20	.06	<.2	4.2	8	.44	.024	16	24	.37	23	.03	5	.72	.02	.21	<2	.2	<10	<.3	.2	2.4	12	<1	<1
9821	3.0	729.7	10.5	10.7	3536	80	69	400	13.30	<.5	<5	<2	2	.09	.3	425.6	1	.06	<.001	1	27	.03	4	<.01	<3	.03	.01	.01	7	.2	<10	1.4	41.6	<.5	14621	<1	<1
9822	.4	472.4	8.4	20.3	268	32	22	1862	10.73	<.5	<5	2	1132	.05	<.2	1.1	3	22.50	.023	7	7	.90	2	<.01	<3	.50	<.01	.01	<2	<.2	<10	<.3	.2	2.1	18	<1	<1
9823	23.4	693.0	13.9	453.9	272	195	61	131	10.94	17.3	8	5	9	3.84	<.2	4.4	31	.09	.031	5	21	.12	23	<.01	<3	.53	.01	.17	4	<.2	<10	11.0	1.1	3.0	94	4	17
9824	1.9	12.2	2.0	52.6	<30	10	13	442	3.41	<.5	<5	3	82	.05	<.2	<.2	73	.78	.089	9	15	1.37	330	.19	<3	1.85	.06	.78	2	.2	<10	<.3	<.2	4.5	2	1	<1
9825	2.9	23.8	1.8	8.9	36	8	4	226	2.05	1.5	<5	4	9	.03	<.2	.2	13	.08	.022	9	23	.19	37	.03	13	.44	.02	.13	7	<.2	<10	<.3	<.2	1.7	2	<1	<1
9826	3.7	20.3	3.0	2.7	117	10	1	79	.94	1.7	<5	<2	2	.01	<.2	51.4	4	.02	.008	<1	24	.02	5	<.01	<3	.05	<.01	.02	2	<.2	<10	<.3	.6	.7	<1	<1	<1
9827	1.8	57.9	17.2	60.7	52	47	17	444	4.54	<.5	6	9	11	.01	<.2	.6	10	.21	.075	15	40	1.23	25	<.01	<3	1.97	.02	.15	3	.2	<10	<.3	<.2	2.7	4	1	<1
9828	4.3	62.8	8.4	81.5	325	20	11	414	3.28	<.5	<5	3	6	.29	<.2	.2	83	.17	.049	11	27	.97	84	.07	<3	1.09	.07	.40	<2	.4	<10	1.9	<.2	3.7	<1	4	1
9829	2.8	254.1	164.4	4.5	1294	42	29	49	4.13	<.5	5	4	4	.14	.5	391.2	2	.01	.011	4	19	.01	24	<.01	8	.09	.01	.10	9	.2	<10	<.3	1.6	<.5	72	<1	<1
9830	2.9	89.5	11.7	34.2	124	18	7	352	2.29	<.5	<5	5	9	.14	<.2	1.3	2	.13	.062	14	13	.07	41	<.01	<3	.32	.01	.17	<2	.3	<10	<.3	<.2	.8	4	<1	<1
9831	2.7	86.7	1056.9	588.4	3337	33	27	183	4.13	<.5	<5	7	6	12.90	.6	5.9	15	.07	.030	12	32	.46	37	.02	<3	1.02	.02	.22	<2	.4	16	<.3	.4	3.8	6	<1	<1
9832	3.1	135.6	44.3	26.8	490	39	30	224	5.92	22.7	<5	3	9	.30	.2	15.8	5	.09	.051	12	21	.09	37	.01	<3	.34	.01	.15	7	.5	<10	.6	.3	1.2	160	<1	<1
9833	2.6	40.8	14.9	59.3	138	47	16	708	4.03	<.5	<5	7	41	.20	<.2	.3	13	.89	.041	10	33	1.11	23	<.01	<3	1.50	.02	.16	<2	<.2	<10	<.3	<.2	4.0	<1	<1	<1
STANDARD	28.1	134.1	103.8	286.3	1846	34	18	1098	5.05	80.6	25	21	66	2.19	7.3	20.7	77	.71	.118	18	61	1.21	258	.14	31	2.49	.06	.83	17	2.2	911	.6	2.0	6.4	45	45	46

Standard is STANDARD D2/C3/FA100.

ICP - 5 GRAM SAMPLE IS DIGESTED WITH 30 ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.
- SAMPLE TYPE: ROCK AU** PT** & PD** ANALYIS BY ULTRA/ICP FROM 30 GM SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAY 19 1998 DATE REPORT MAILED: June 3/98 SIGNED BY. C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA YLWS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
9834	3.0	59.6	6.7	26.7	85	26	10	262	1.91	<.5	<5	4	6	.05	<.2	.3	6	.08	.014	8	31	.34	24	<.01	5	.66	.01	.15	8	<.2	11	<.3	<.2	1.9	<1	1	<1
9835	3.0	45.8	7.2	9.3	111	14	3	206	1.25	7.5	<5	2	4	.03	.5	58.2	1	.12	.009	5	21	.04	8	<.01	3	.15	.01	.14	213	<.2	<10	.5	2.0	.9	<1	<1	3
9836	6.2	94.1	47.2	10.3	921	13	7	187	1.62	1.1	<5	3	9	.06	.2	62.6	4	.18	.009	9	32	.14	19	.01	3	.28	.01	.09	19	<.2	<10	.5	6.8	1.2	850	<1	<1
9837	2.4	39.9	4.9	58.6	58	37	12	294	3.76	<.5	<5	11	10	.01	<.2	1.2	20	.16	.026	28	35	.98	43	.02	<3	1.63	.03	.26	10	.2	<10	<.3	<.2	4.7	<1	<1	<1
9838	9.0	158.6	37.0	331.6	410	98	24	650	6.43	11.9	10	8	126	2.98	.4	2.4	25	1.75	.084	7	18	.92	112	.01	4	.76	.04	.27	3	.3	13	5.8	.4	2.5	13	1	1
9839	1.1	4.2	10.2	63.9	<30	7	2	2242	9.36	.8	<5	<2	906	.29	<.2	<.2	5	24.82	.018	4	3	1.16	24	<.01	<3	.07	<.01	.01	<2	<.2	<10	<.3	<.2	<.5	<1	<1	<1
9840	2.1	37.9	9.0	32.5	108	25	10	278	2.22	4.0	<5	6	11	.23	.2	16.9	10	.22	.034	11	27	.45	28	.02	4	.76	.03	.31	5	.2	<10	.5	.3	2.0	<1	2	<1
9841	2.8	26.0	3.7	6.7	56	6	3	238	1.41	1.4	<5	3	3	.06	.2	.5	2	.06	.015	8	27	.03	29	<.01	<3	.21	.01	.13	9	<.2	<10	<.3	<.2	.8	<1	1	<1
9842	3.1	119.8	38.5	6.0	707	25	11	297	1.91	24.5	6	4	3	.03	.5	247.9	2	.05	.005	5	20	.05	14	<.01	<3	.17	.01	.10	3	.2	<10	1.5	22.3	.8	3	<1	<1
RE 9842	3.2	122.9	39.9	6.0	756	26	11	303	1.94	26.7	5	4	3	.03	.5	260.6	2	.05	.005	5	22	.05	14	<.01	<3	.17	.01	.10	3	.2	<10	1.6	23.5	1.0	5	<1	<1
9843	2.7	319.9	30.6	45.5	1489	53	25	363	5.20	47.2	6	<2	24	.07	.7	12.9	13	.31	.011	3	45	.31	18	<.01	3	.44	<.01	.17	7	<.2	<10	2.4	2.5	1.5	13	4	1
9844	4.8	61.9	203.0	4.6	1962	12	3	165	1.06	11.6	<5	<2	1	<.05	2.0	3795.1	2	.01	.007	1	21	.05	3	<.01	<3	.12	<.01	.02	2	1.1	<10	<1.5	16.2	<2.5	43	<1	<1
9845	5.6	419.3	98.0	7.8	2001	8	19	308	17.98	4.0	16	<2	2	.40	.2	166.7	<1	.06	.009	2	17	.05	6	<.01	15	.67	<.01	.25	9	.3	<10	4.6	1.8	2.2	15	1	<1
129728	3.1	214.8	18.8	2.5	352	28	16	62	4.76	.6	<5	<2	1	.02	<.2	175.0	<1	.01	.001	<1	25	<.01	1	<.01	3	.01	<.01	<.01	257	<.2	<10	1.0	30.2	<.5	2878	3	2
129729	3.1	96.0	28.3	100.2	155	67	28	745	5.88	2.0	12	7	151	.52	<.2	3.0	118	3.05	.151	15	67	2.01	134	.10	4	1.90	.04	.81	3	.8	<10	1.8	.3	11.0	8	3	3
STANDARD D2/C3/FA100	26.4	115.1	101.7	276.2	2083	32	18	1047	4.76	77.2	26	18	63	2.11	8.4	17.4	73	.69	.112	17	51	1.18	242	.12	32	2.42	.06	.70	15	2.3	1070	.7	2.2	7.3	45	42	43

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

Data 1 FA ___

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(640)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

WHOLE ROCK ICP ANALYSIS

Barker Minerals Limited File # 9801741 Page 1

22117 - 37A Avenue, Langley BC V2Z 1N9 Submitted by: Louis Doyle

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	C/TOT %	S/TOT %	SUM %
9804	73.96	11.08	5.07	1.64	1.03	1.27	2.57	.54	.11	.08	.010	301	44	93	186	16	10	<10	2.8	.53	.67	100.24
9805	79.55	8.74	4.63	1.61	.30	1.82	1.15	.45	.07	.03	.010	167	42	41	185	13	<10	<10	1.6	.06	.41	100.02
9808	51.89	10.06	3.88	1.47	14.86	.50	2.73	.41	.15	.09	.011	1173	43	742	66	17	<10	<10	13.8	4.09	.63	100.09
9816	33.51	19.26	21.69	15.19	.33	.07	.05	.41	.05	.31	.009	6	38	13	<10	<10	<10	<10	9.0	.03	.02	99.89
9817	56.20	18.93	7.40	2.54	6.73	2.97	.59	.83	.36	.25	.013	272	56	471	153	25	18	13	3.0	1.23	<.01	99.93
9824	61.49	16.10	6.19	2.43	5.52	2.82	2.29	.67	.23	.10	.004	1008	<20	696	114	17	18	15	2.0	.09	.14	100.06
9827	69.78	13.24	7.16	2.48	.44	1.04	2.43	.52	.18	.06	.013	374	65	96	125	20	<10	<10	2.8	.10	.67	100.23
9828	67.91	13.97	4.91	1.87	2.49	4.17	.94	.54	.13	.06	.006	333	31	185	130	20	<10	12	2.9	.54	1.25	99.98
9830	85.12	5.16	4.33	.43	.28	.25	1.59	.47	.14	.04	.009	293	27	29	290	18	<10	<10	2.3	.04	1.42	100.20
9831	79.15	6.84	6.80	.98	.30	.95	1.43	.48	.08	.02	.007	391	43	79	203	13	<10	<10	2.9	.06	2.16	100.03
9832	80.15	3.71	9.30	.36	.26	.24	1.05	.26	.10	.03	.005	308	49	30	81	13	<10	<10	4.6	.09	5.21	100.12
9833	72.15	10.73	6.13	2.29	1.45	.78	2.17	.56	.12	.10	.012	329	57	80	158	18	10	<10	3.6	.54	.47	100.17
STANDARD SO-15/CSA	49.59	12.64	7.25	7.15	5.83	2.39	1.90	1.61	2.68	1.38	1.053	1799	75	393	681	18	20	<10	5.9	3.89	5.11	99.73

.200 GRAM SAMPLES ARE FUSED WITH 1.5 GRAM OF LIBO2 AND ARE DISSOLVED IN 100 MLS 5% HNO3. OTHER METALS ARE SUM AS OXIDES.
TOTAL C & S BY LECO (NOT INCLUDED IN THE SUM).
- SAMPLE TYPE: ROCK

DATE RECEIVED: MAY 19 1998 DATE REPORT MAILED: June 3/98 SIGNED BY ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	C/TOT %	S/TOT %	SUM %
9837	68.80	14.27	6.29	2.09	.63	1.78	2.79	.65	.06	.05	.013	609	54	125	172	16	10	<10	2.8	.05	.51	100.34
9838	52.66	17.01	9.35	2.13	2.89	3.63	3.33	.71	.23	.09	.016	2005	107	465	88	25	13	<10	7.9	2.28	3.15	100.26
9839	2.74	.98	13.25	2.33	40.90	.32	.13	.03	.08	.43	.005	66	<20	1114	<10	10	<10	<10	38.6	10.50	<.01	99.94
9840	74.21	12.12	3.85	1.18	.75	1.45	3.33	.39	.07	.04	.009	358	37	115	115	15	<10	<10	2.9	.32	.88	100.38
129729	51.41	16.29	8.19	3.36	4.27	5.71	2.99	1.23	.36	.10	.016	1761	71	364	174	23	32	11	6.0	1.04	1.91	100.21
STANDARD SO-15/CSA	49.49	12.62	7.30	7.13	5.87	2.41	1.85	1.61	2.70	1.39	1.059	1811	73	396	680	18	20	<10	5.9	3.89	5.11	99.69

Sample type: ROCK.

Data A 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 EXTRACTION-ANALYSIS CERTIFICATE

Barker Minerals Limited File # 9802238 Page 1

22117 - 37A Avenue, Langley BC V2Z 1M9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
H-97-108	7.8	9.0	4.5	4.3	46	6	1	128	.41	1.9	5	<2	5	.03	<.2	<.2	1	.11	.002	4	25	.04	6	<.01	<3	.02	.01	.01	7	.2	33	.4	.2	.5	<1	<1	1
H-97-108A	42.4	16.8	9.8	9.2	122	13	3	271	.92	10.6	5	3	13	.06	<.2	.3	3	.32	.015	13	23	.11	12	<.01	<3	.05	.01	.02	<2	<.2	<10	.8	.4	.8	5	<1	<1
5-23-98-01	<.1	<.2	<.3	43.7	<30	25	10	479	2.56	<.5	<5	11	25	<.01	<.2	<.2	32	1.66	.082	23	49	.70	90	.06	<3	1.36	.06	.44	3	<.2	<10	<.3	<.2	<.5	<1	<1	<1
5-23-98-02	1.8	74.1	5.3	18.6	59	34	19	110	2.02	3.0	9	7	6	.02	<.2	.5	6	.08	.032	13	14	.26	34	.01	<3	.55	.01	.36	<2	.5	<10	.6	.2	1.2	<1	<1	1
5-23-98-04	1.5	11.4	5.5	33.4	<30	17	7	239	1.70	1.6	<5	16	9	.03	<.2	<.2	16	.18	.033	33	31	.44	95	.04	<3	.93	.03	.29	4	.2	11	<.3	<.2	3.2	1	<1	<1
5-23-98-05	2.5	81.5	13.8	57.6	58	55	24	360	3.80	.9	6	13	8	.05	<.2	.8	14	.12	.046	13	23	.76	44	.01	4	1.34	.03	.28	<2	.2	<10	.6	<.2	3.2	6	3	2
5-23-98-06A	2.0	127.8	15.4	81.0	96	80	28	317	4.61	1.0	<5	13	7	.06	<.2	.7	16	.17	.055	29	46	1.21	46	.03	<3	1.98	.03	.32	4	<.2	10	.9	.2	4.7	2	<1	1
5-23-98-06B	2.0	115.2	9.0	71.9	51	70	25	282	4.41	.9	<5	12	5	.02	<.2	.6	15	.12	.037	26	42	1.25	37	.02	<3	1.94	.02	.25	<2	.2	<10	.8	.2	4.6	<1	1	1
5-23-98-07	1.5	21.9	12.2	66.0	<30	35	14	481	3.20	1.1	<5	13	28	.06	<.2	<.2	11	.58	.041	28	31	.88	64	.01	<3	1.22	.02	.27	3	<.2	<10	<.3	<.2	2.9	<1	4	<1
5-23-98-08	1.5	13.0	8.8	36.9	<30	32	17	404	4.12	7.8	<5	10	73	.03	<.2	.3	23	1.22	.043	18	38	.76	27	<.01	<3	.87	.06	.09	<2	<.2	18	<.3	<.2	3.2	<1	<1	<1
5-23-98-09	3.9	82.1	92.3	9.0	944	31	18	94	2.88	2.5	6	6	9	.03	<.2	54.4	2	.11	.034	10	15	.06	12	<.01	6	.24	.02	.08	5	<.2	13	.6	.4	<.5	46	3	<1
5-23-98-10	4.8	72.0	24.3	23.7	156	42	17	231	2.69	2.2	5	15	10	.04	<.2	.5	15	.21	.070	33	42	.28	33	.01	<3	.45	.08	.15	<2	<.2	<10	.7	<.2	2.2	<1	2	1
5-23-98-11	.7	30.1	7.4	87.6	61	46	22	355	5.36	3.5	<5	10	21	.05	<.2	.3	42	.28	.065	23	72	1.21	53	.01	<3	.99	.08	.14	<2	.2	<10	<.3	<.2	6.4	<1	2	<1
5-23-98-12	18.6	78.5	18.8	91.0	105	83	22	552	4.03	51.0	7	7	81	.40	.2	.6	22	1.73	.061	7	12	.46	61	<.01	<3	.45	.01	.24	<2	<.2	<10	2.8	.2	2.0	3	2	1
5-23-98-13	10.5	10.0	29.8	63.0	169	53	23	1077	5.49	89.3	<5	5	214	.19	1.6	2.2	25	4.71	.084	7	20	1.12	58	<.01	<3	.48	.01	.29	2	.2	11	1.6	.3	2.0	78	4	2
5-23-98-14	6.5	41.6	4.5	116.6	<30	54	18	367	3.52	8.6	<5	15	92	.28	<.2	<.2	28	1.85	.038	39	25	.98	62	<.01	<3	1.47	.01	.30	<2	<.2	<10	.3	<.2	3.9	<1	1	1
5-23-98-15	2.2	92.9	10.8	43.2	63	24	16	394	2.88	1.1	7	6	17	.11	<.2	6.1	11	.28	.033	13	26	.60	24	.02	6	.96	.04	.16	6	.2	<10	<.3	.2	2.9	169	<1	1
5-23-98-16	2.5	69.3	18.0	24.2	206	15	6	150	1.67	4.2	5	3	9	.10	<.2	4.5	7	.14	.057	16	13	.13	44	.01	<3	.47	.01	.13	<2	.4	15	.6	<.2	1.7	130	1	<1
E 05-23-98-16	2.5	70.0	18.3	24.3	234	15	6	150	1.66	3.7	7	3	9	.11	.2	5.2	7	.14	.058	16	16	.13	42	.01	<3	.45	.01	.11	<2	.3	<10	.7	<.2	1.2	137	2	1
2-06-98-#1	70.2	66.7	45.3	162.4	352	38	10	1358	2.49	5.6	<5	3	398	2.21	.3	.6	8	10.04	.071	5	16	.34	45	<.01	<3	.23	.01	.13	5	<.2	<10	1.7	.2	.7	2	<1	4
2-06-98-#2	12.2	10.4	26.7	76.2	241	19	4	927	1.98	13.2	<5	<2	369	1.08	.5	.2	9	33.72	.107	3	7	.49	10	<.01	<3	.08	.01	.02	<2	<.2	<10	1.2	<.2	<.5	<1	2	<1
3-06-98-#3	4.5	16.2	13.5	24.1	238	12	4	704	1.23	6.2	6	3	9	.23	.5	.3	3	.25	.019	6	26	.02	18	<.01	<3	.13	.02	.04	9	<.2	<10	.3	<.2	.8	<1	<1	1
5-06-98-#4	3.2	19.1	5.3	42.9	64	20	6	346	1.43	1.6	7	3	8	.16	<.2	<.2	6	.12	.023	6	20	.18	18	<.01	<3	.46	.02	.06	<2	<.2	<10	.6	<.2	1.5	<1	<1	1
6-06-98-#5	1.1	102.6	1.0	29.4	<30	9	25	803	6.14	<.5	6	<2	25	.05	<.2	<.2	120	3.53	.071	3	12	1.77	9	.03	<3	2.49	.06	.02	<2	<.2	11	<.3	<.2	8.6	1	3	<1
0-06-98-#6	.6	3.5	3.8	36.0	36	142	32	1416	5.39	.9	<5	<2	25	.05	<.2	<.2	110	7.55	.009	1	417	3.14	7	<.01	<3	2.35	.02	.03	2	<.2	<10	<.3	<.2	5.8	1	5	9
0-06-98-#7	26.7	343.4	216.5	76.3	1223	34	24	345	8.41	85.2	5	3	7	.31	1.8	.5	6	.08	.084	5	24	.06	6	<.01	<3	.32	.06	.01	<2	<.2	16	1.6	.7	1.9	174	2	2
0-06-98-#8	17.2	13.9	18.2	7.3	250	13	3	39	3.88	18.1	<5	<2	5	.04	4.8	<.2	14	.04	.027	2	19	.02	8	<.01	<3	.04	<.01	.02	<2	<.2	<10	<.3	<.2	.5	4	<1	<1
1-06-98-#9	4.5	297.0	11.3	7.1	391	55	42	82	4.39	2.7	<5	<2	3	.03	1.0	.4	3	.04	.003	1	22	.01	2	<.01	<3	.04	.01	<.01	9	<.2	12	5.2	.3	<.5	1	1	4
1-06-98-#10	8.5	126.6	21.7	33.6	429	79	45	359	4.49	6.2	<5	7	32	1.13	.3	.2	17	.25	.086	22	15	.04	34	<.01	<3	.68	.15	.09	<2	<.2	<10	5.0	.2	1.8	<1	1	6
1-06-98-#11	7.0	24.0	12.2	29.9	143	22	5	510	.93	1.9	<5	2	7	.99	<.2	.2	6	.07	.024	7	27	.04	22	<.01	<3	.22	.01	.07	10	<.2	<10	1.1	<.2	.6	<1	3	1
1-06-98-#12	3.6	69.2	10.1	17.6	176	57	29	122	8.13	16.8	<5	2	8	.08	.8	.4	20	.62	.023	3	20	.19	39	.02	<3	.38	.01	.11	<2	<.2	10	.8	<.2	1.3	7	3	6
1-06-98-#13	382.0	153.5	34104.6	178.2	99999	35	7	318	7.97	<5	9	2	72	32.88	21.7	7815.1	5	.56	.094	3	15	.07	8	<.01	<3	.14	.01	.01	5	7.5	<10	85.9	149.0	<5	890	3	<1
2-06-98-#14	2.2	59.6	336.5	76.6	2216	57	21	246	4.59	5.0	7	9	7	.08	.3	6.7	19	.08	.031	17	32	1.11	53	.01	<3	2.12	.03	.33	<2	<.2	<10	.7	.3	5.5	3	3	3
2-06-98-#15	21.0	192.7	716.4	272.6	6413	100	15	2307	8.28	18.4	5	5	166	.99	.6	15.8	128	2.44	.144	7	37	1.24	73	.02	<3	.68	.08	.29	4	.3	<10	4.9	.5	3.5	13	9	11
STANDARD D2/C3	23.8	118.5	96.4	259.6	2007	31	16	992	4.61	70.7	24	19	54	2.08	10.1	17.5	68	.71	.104	15	50	1.07	247	.11	29	2.18	.04	.64	13	2.6	1091	.7	2.1	6.8	45	47	52

tandard is STANDARD D2/C3/FA100.

ICP - 5 GRAM SAMPLE IS DIGESTED WITH 30 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.

- SAMPLE TYPE: ROCK AU** PT** PD** BY FIRE ASSAY & ANALYSIS BY ULTRA/ICP. (30 gm)

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 16 1998 **DATE REPORT MAILED:** Jun 25/98 **SIGNED BY** ..... C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

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

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
15-06-98-#16	3.9	32.7	55.5	13.5	241	19	8	217	1.17	1.2	<5	<2	5	.06	.2	.5	4	.04	.016	3	26	.12	10	<.01	<3	.30	.02	.05	<2	<.2	14	.5	<.2	.9	8	1	<1
15-06-98-#17	3.1	72.7	85.8	9.1	688	24	14	422	1.48	<.5	<5	<2	5	.10	<.2	1.4	2	.27	.015	2	22	.06	9	<.01	<3	.17	.01	.04	7	<.2	<10	1.0	.2	<.5	<1	<1	1
15-06-98-#18	.9	9.5	8.5	19.0	<30	86	12	301	2.20	.8	<5	<2	30	.11	<.2	<.2	56	.96	.028	1	132	1.78	11	.18	<3	1.10	.04	.03	<2	<.2	15	<.3	<.2	2.6	<1	<1	<1
15-06-98-#19	2.2	884.9	55.8	48.7	2353	317	39	3321	31.24	3.7	<5	<2	163	.34	.8	2.2	159	2.47	.127	5	23	.62	20	.01	<3	.56	.03	.06	3	<.2	56	5.5	.8	3.7	18	<1	27
15-06-98-#20	2.5	47.8	9.2	52.6	44	24	25	1940	5.87	1.5	<5	<2	204	.29	<.2	<.2	139	13.49	.044	1	10	1.23	214	.08	<3	1.68	.03	.21	<2	<.2	<10	.3	<.2	6.2	<1	1	<1
15-06-98-#21	1.9	36.5	18.6	92.9	139	40	21	363	4.60	7.7	<5	11	17	.05	<.2	.3	19	.42	.054	30	34	.95	35	.02	<3	2.06	.04	.26	<2	<.2	<10	.3	<.2	6.0	<1	<1	3
15-06-98-#22	2.6	7.3	3.8	32.8	<30	19	18	595	2.91	1.6	<5	<2	20	.13	.2	<.2	64	1.91	.046	1	14	1.11	20	.27	<3	1.44	.03	.05	<2	<.2	<10	<.3	<.2	3.8	<1	<1	<1
15-06-98-#23	97.7	137.1	51.7	68.7	247	55	22	497	5.89	4.2	<5	6	129	.42	.8	.5	68	2.87	.111	14	37	1.24	117	.03	<3	.79	.08	.45	2	.6	<10	2.7	<.2	5.2	3	<1	3
RE 15-06-98-#23	97.8	141.5	55.1	70.2	291	56	22	506	6.04	2.8	<5	6	132	.47	1.0	.5	70	2.92	.113	15	39	1.26	117	.03	<3	.79	.08	.47	2	.8	<10	3.2	<.2	5.3	4	1	<1
15-06-98-#24	11.9	31.6	17.4	65.5	67	37	12	486	3.37	<.5	<5	5	126	.42	<.2	<.2	77	3.25	.099	14	57	1.48	184	.11	<3	1.37	.07	1.08	<2	.8	<10	.6	<.2	7.7	<1	4	2
15-06-98-#25	1.3	42.5	15.7	102.6	150	50	18	564	5.72	<.5	<5	10	14	.05	<.2	.3	20	.27	.040	24	52	1.55	27	.01	<3	2.54	.02	.15	<2	<.2	<10	.3	<.2	7.2	1	1	1
15-06-98-#26	1.9	69.3	39.0	120.9	350	52	17	513	4.21	4.5	<5	10	56	.46	<.2	1.3	56	1.03	.072	25	28	.82	83	.01	<3	.68	.10	.27	<2	.3	<10	2.7	<.2	3.2	<1	4	3
STANDARD D2/C3/FA100	23.9	125.8	100.9	257.3	1958	31	17	1023	4.76	73.8	27	20	56	2.04	9.6	17.3	69	.69	.106	15	54	1.09	242	.11	32	2.21	.04	.67	13	2.4	1035	.7	2.0	6.8	48	46	45

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(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

WHOLE ROCK ICP ANALYSIS

Barker Minerals Limited File # 9802238 Page 1

22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	C/TOT %	S/TOT %	SUM %
05-23-98-01	70.96	12.17	4.34	1.59	2.72	2.69	2.17	.58	.28	.11	.011	478	34	118	188	16	<10	<10	2.5	.48	<.01	100.22
05-23-98-04	81.73	8.27	3.45	.98	.37	1.00	1.98	.72	.15	.04	.007	965	34	59	411	20	<10	<10	1.3	.17	.02	100.18
05-23-98-06A	59.07	19.58	7.24	2.54	.61	1.05	4.48	.77	.14	.11	.015	846	68	94	118	18	<10	16	4.2	.51	.92	99.94
05-23-98-06B	60.95	17.71	7.70	2.91	.41	.63	4.24	.76	.20	.08	.015	763	69	66	109	19	<10	14	4.5	.67	.97	100.23
05-23-98-07	69.54	12.76	5.61	2.07	.92	.72	3.24	.83	.14	.07	.013	871	40	80	258	22	<10	10	4.2	.61	.19	100.26
05-23-98-08	65.84	13.06	6.34	1.54	1.67	5.38	.75	1.00	.15	.05	.017	207	34	176	311	25	13	12	4.1	.76	1.30	99.99
05-23-98-11	58.24	16.34	8.03	2.37	.52	6.92	1.07	1.14	.19	.05	.020	493	50	157	203	23	17	15	5.1	.88	1.56	100.10
05-23-98-12	64.79	12.46	6.78	1.31	2.33	.54	3.95	.57	.16	.08	.010	1367	88	120	78	21	<10	<10	7.0	2.48	2.70	100.17
05-23-98-13	48.23	14.57	8.29	2.61	6.38	.56	6.30	.75	.29	.16	.013	2024	56	240	94	22	<10	12	11.4	3.34	2.61	99.83
05-23-98-14	52.82	21.76	6.10	2.52	2.37	.55	5.84	.84	.02	.05	.017	1539	59	203	92	18	<10	19	6.8	1.74	.19	99.91
11-06-98-#10	59.96	18.29	7.17	.16	.56	8.33	1.01	.80	.25	.04	.009	320	74	760	162	16	<10	<10	3.5	.06	3.50	100.24
11-06-98-#12	72.48	4.71	11.98	.54	.87	.50	1.20	.40	.06	.02	.003	426	53	24	118	<10	<10	<10	7.0	.19	9.04	99.84
12-06-98-#14	60.68	19.58	6.90	2.38	.12	.63	4.59	.72	.10	.03	.015	894	62	71	79	22	<10	16	4.2	.08	.76	100.08
STANDARD SO-15/CSA	50.35	12.39	6.91	7.40	5.73	2.35	2.08	1.67	2.92	1.40	1.070	2071	63	357	671	18	16	11	5.9	3.83	5.03	100.55

.200 GRAM SAMPLES ARE FUSED WITH 1.5 GRAM OF LIBO2 AND ARE DISSOLVED IN 100 MLS 5% HNO3. OTHER METALS ARE SUM AS OXIDES.
TOTAL C & S BY LECO (NOT INCLUDED IN THE SUM).
- SAMPLE TYPE: ROCK

DATE RECEIVED: JUN 16 1998 **DATE REPORT MAILED:** Jun 25/98 **SIGNED BY** C. Leong ..D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data ✓ FA ____

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	C/TOT %	S/TOT %	SUM %
15-06-98-#21	61.60	17.53	8.24	2.13	.68	1.10	3.90	1.35	.13	.08	.012	578	51	108	200	28	16	16	3.2	.07	.45	100.07
15-06-98-#26	58.53	16.53	6.50	1.74	1.59	7.37	1.48	.74	.19	.07	.008	794	58	208	103	19	<10	12	5.3	.56	3.22	100.19

Sample type: ROCK.

Data J 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

Barker Minerals Limited File # 9802238R
22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	Ag oz/t
11-06-98-#13	43.52

.250 GM SAMPLE DIGESTED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: JUN 26 1998 **DATE REPORT MAILED:** July 3/98 **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 EXTRACTION-ANALYSIS CERTIFICATE

Barker Minerals Limited File # 9802759 Page 1

22117 - 37A Avenue, Langley BC V2Z 1W9

AMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
2-6-98-#27	3.3	663.0	21.2	14.9	1762	355	731	366	16.13	44.4	<5	<2	8	.14	.8	2.7	1	.31	.001	<1	13	.08	4	<.01	<3	.05	.01	.01	<2	<.2	12	20.6	1.0	<.5	35	<1	21
2-6-98-#28	2.3	23.3	3.5	62.0	44	49	49	2395	9.90	2.9	<5	<2	111	.27	<.2	.6	52	11.99	.013	<1	33	5.10	10	.01	<3	.97	.04	.02	<2	<.2	29	.6	<.2	3.0	8	<1	<1
6-28-98-#29	.6	82.1	2.4	70.9	<30	37	35	939	7.05	<.5	<5	<2	107	.07	<.2	<.2	186	6.11	.056	1	27	1.90	185	.11	3	2.68	.06	.17	<2	<.2	<10	<.3	<.2	7.8	1	<1	<1
6-28-98-#30	1.5	6.6	44974.6	3327.9	31570	8	3	269	.86	25.2	<5	9	13	27.63	7.8	2.5	2	.14	.034	<1	25	.03	5	<.01	<3	.06	.01	.02	13	2.8	<10	3.4	8.3	<.5	21	<1	<1
B-06-98-#31	2.9	10.4	132.5	34.8	580	21	4	865	2.18	2.9	<5	5	8	.14	<.2	.9	7	.66	.043	10	21	.04	28	<.01	<3	.23	.04	.10	<2	<.2	23	<.3	.5	<.5	1	<1	<1
B-06-98-#32	3.6	1815.4	59.9	400.0	1526	14	25	1389	7.37	6.0	<5	<2	11	1.01	.3	3.2	183	.59	.045	<1	16	2.89	106	.30	<3	2.87	.09	.01	2	<.2	180	.6	.6	11.0	6	<1	<1
D-06-98-#33	5.0	104.1	7.8	28.0	51	46	9	336	3.28	<.5	<5	2	7	.07	<.2	.2	31	.15	.022	3	54	.84	66	.07	<3	1.03	.03	.50	<2	.2	<10	.3	<.2	3.8	1	1	1
1-07-98-#34	3.2	11.4	13.2	91.3	170	9	2	267	.77	4.6	<5	<2	3	.28	.6	<.2	2	.01	.002	4	23	.02	21	<.01	<3	.11	.01	.05	10	<.2	11	<.3	<.2	<.5	4	<1	<1
5-07-98-#35	9.5	396.4	8.0	169.8	462	146	33	1369	10.85	.6	<5	7	28	.30	<.2	3.2	176	1.35	.406	27	57	1.60	27	.04	5	2.71	.01	.18	<2	.5	<10	2.9	.3	9.3	26	7	14
5-07-98-#36	13.5	86.0	11.0	203.4	468	35	18	545	4.83	<.5	.9	3	44	.53	<.2	.2	181	.87	.067	7	39	1.74	171	.10	3	2.67	.17	.64	4	.8	<10	2.9	.2	7.2	1	1	1
5-07-98-#37	2.6	29.4	28.0	32.3	<30	27	10	184	2.17	<.5	12	4	7	.05	<.2	<.2	16	.12	.029	8	29	.57	13	.01	<3	1.00	.05	.09	<2	<.2	15	<.3	<.2	2.6	<1	<1	1
5-07-98-#38	1.2	39.7	63.1	86.2	<30	57	20	517	4.86	2.3	<5	12	12	1.77	.3	.3	17	.19	.043	21	46	1.17	42	.01	4	2.28	.04	.21	2	<.2	<10	.3	<.2	4.6	<1	<1	<1
5-07-98-#39	1.5	167.9	13836.9	17267.1	5086	27	11	76	8.35	78.0	<5	3	7	100.50	1.3	8.4	4	.11	.045	4	17	.03	19	.01	<3	.13	.01	.03	<2	.7	89	2.5	3.0	.8	8	<1	<1
5-07-98-#40	3.1	463.1	50.0	149.6	860	59	51	2361	12.41	.6	<5	3	49	1.60	.2	1.3	214	3.28	.314	4	81	1.40	5	.01	<3	2.67	<.01	.01	2	<.2	<10	3.4	.6	10.2	5	19	17
5-07-98-#41	3.8	48.5	27.8	59.5	<30	39	14	366	3.25	<.5	<5	9	84	.38	.4	.2	20	2.67	.047	13	28	.75	95	.04	<3	.87	.02	.52	<2	.5	<10	1.6	<.2	2.9	<1	<1	1
5-07-98-#42	1.5	55.7	8.1	9.1	<30	27	11	1196	3.23	<.5	<5	10	84	.09	<.2	.6	3	1.89	.055	10	8	.69	45	<.01	<3	.33	.01	.24	2	<.2	<10	.9	<.2	.9	<1	<1	<1
5-07-98-#43	2.4	14.0	8.6	50.9	<30	24	9	295	2.69	<.5	<5	8	6	.03	<.2	<.2	15	.08	.029	13	32	.62	34	.02	<3	1.34	.04	.24	<2	.2	<10	.3	<.2	3.5	<1	<1	<1
E 05-07-98-#43	2.1	14.3	9.7	51.4	<30	24	9	292	2.69	<.5	<5	8	5	.03	<.2	<.2	15	.07	.029	13	30	.62	34	.02	<3	1.35	.04	.25	<2	<.2	<10	<.3	<.2	3.2	<1	<1	<1
7-07-98-#44	4.5	26.3	20.3	13.2	<30	13	4	189	2.69	<.5	6	<2	3	.01	<.2	56.0	16	.03	.019	3	28	.25	35	.03	<3	.38	.01	.25	12	.2	<10	.8	.3	2.0	<1	<1	1
7-07-98-#44A	3.6	47.8	5.6	67.8	<30	42	20	500	4.65	1.5	<5	7	25	.04	<.2	.6	94	.28	.072	20	77	1.86	208	.20	<3	2.46	.06	1.32	<2	.5	<10	<.3	<.2	9.8	<1	1	2
7-07-98-#45	2.9	37.4	21.3	3480.5	<30	6	3	81	.94	2.1	9	<2	1	63.58	<.2	58.2	1	.02	.003	<1	22	.03	5	<.01	<3	.10	<.01	.04	11	<.2	12	.5	2.1	1.0	<1	<1	<1
7-07-98-#45A	2.3	28.6	3.6	55.2	<30	17	14	809	2.99	<.5	<5	7	30	.89	<.2	.8	23	1.73	.034	14	25	.83	76	.07	<3	1.17	.02	.60	<2	.4	<10	<.3	<.2	3.2	<1	3	<1
7-07-98-#46	3.5	39.0	2.7	30.8	<30	24	10	953	2.13	3.2	<5	<2	2	.22	.2	1.2	4	.03	.002	9	24	.36	7	<.01	<3	.49	<.01	.02	11	<.2	<10	.3	.8	2.1	1	<1	<1
7-07-98-#46A	2.7	10.0	6.5	56.5	<30	12	8	645	3.30	1.7	<5	11	15	.08	<.2	.2	32	.32	.081	46	18	.88	97	.04	<3	1.57	.06	.53	2	.3	<10	<.3	<.2	6.1	<1	<1	<1
7-07-98-#47	4.9	65.4	5.0	7.4	<30	20	13	167	2.94	<.5	<5	4	5	.02	<.2	1.0	6	.07	.035	10	19	.07	20	.01	43	.27	.01	.08	40	<.2	<10	<.3	.2	1.4	<1	1	<1
7-07-98-#47A	3.5	83.9	2.8	34.5	<30	49	18	300	3.19	<.5	<5	5	14	.01	<.2	.5	36	.24	.042	14	39	.84	81	.10	<3	1.23	.07	.55	<2	.3	<10	.3	<.2	3.9	<1	<1	1
7-07-98-#48	1.8	14.3	3.6	22.5	<30	5	7	506	2.10	2.6	<5	2	13	.01	<.2	.2	33	.32	.074	10	13	.50	23	<.01	<3	.95	.04	.18	4	<.2	<10	<.3	<.2	2.9	<1	<1	<1
7-07-98-#48A	1.2	29.2	2.9	41.4	<30	21	14	976	3.37	4.7	<5	4	91	.15	<.2	.4	53	2.51	.135	19	26	1.20	105	.05	<3	1.37	.02	.39	<2	.2	<10	<.3	<.2	4.8	<1	<1	<1
7-07-98-#49	4.0	215.1	3.0	27.9	<30	207	26	277	5.11	5.1	<5	2	3	.04	<.2	2.3	18	.08	.022	6	33	.49	50	.04	<3	.74	.02	.39	7	.2	<10	1.3	.2	3.0	1	<1	2
7-07-98-#50	1.7	86.4	2.3	41.9	<30	84	23	674	3.53	.6	<5	2	60	.03	<.2	.2	78	2.67	.093	8	101	2.19	70	.13	<3	1.85	.06	.52	<2	.5	<10	.5	<.2	6.1	<1	1	<1
7-07-98-#51	2.0	6.2	1.7	27.5	<30	11	10	928	3.04	<.5	<5	7	29	.03	<.2	.2	9	.84	.039	16	14	.28	104	<.01	<3	.42	.01	.23	4	<.2	<10	<.3	<.2	1.1	3	<1	<1
7-07-98-#52	2.2	13.3	2.3	38.3	<30	10	13	484	2.88	<.5	<5	6	81	<.01	<.2	<.2	54	1.32	.053	39	20	1.18	82	.10	<3	1.56	.06	.18	<2	<.2	<10	<.3	<.2	5.6	<1	<1	<1
7-07-98-#53	2.4	24.5	1.6	2.6	<30	8	3	62	.92	3.7	9	2	1	<.01	.3	215.5	2	.02	.004	2	26	.02	9	<.01	<3	.08	<.01	.05	51	<.2	12	.5	3.5	.8	3	<1	<1
8-07-98-#54	10.9	49.5	2.5	36.5	<30	30	14	201	3.89	<.5	<5	7	8	.01	<.2	5.8	43	.11	.042	17	22	.92	47	.02	<3	1.51	.04	.28	47	.3	<10	.5	.3	5.2	<1	<1	<1
TANDARD D2/C3/	23.1	120.9	104.9	264.2	1945	30	18	1077	4.66	72.9	15	22	59	2.08	9.5	17.6	70	.70	.111	16	55	1.14	279	.10	33	2.40	.05	.71	14	2.4	904	.4	2.3	6.4	47	46	45

tandard is STANDARD D2/C3/FA-100S.

ICP - 5 GRAM SAMPLE IS DIGESTED WITH 30 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.
- SAMPLE TYPE: ROCK AU** PT** PD** ANALYSIS BY FA/ICP FROM 30 GM SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 9 1998 DATE REPORT MAILED: July 20/98 SIGNED BY. C. P. D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
08-07-98-#55	11.6	40.8	9.6	12.4	113	42	12	119	2.56	13.3	5	2	2	.06	.3	224.0	6	.03	.010	3	28	.12	15	.01	36	.31	.02	.10	11	.2	<10	.7	2.6	1.4	2	<1	2
08-07-98-#56	8.0	40.4	4.1	11.8	103	29	9	73	1.89	<.5	5	3	1	.17	<.2	22.0	2	.03	.004	4	20	.06	13	<.01	<3	.21	.01	.09	3	<.2	<10	.5	.3	.6	<1	<1	<1
08-07-98-#57	2.1	94.1	.8	6.8	108	7	8	216	2.88	<.5	<5	<2	3	<.01	<.2	.5	18	.01	.005	1	23	.27	8	.02	<3	.38	<.01	.03	9	<.2	<10	.4	<.2	.9	<1	<1	<1
09-07-98-#58	5.4	52.6	40951.5	99999.0	62393	12	29	1135	5.25	<5	<5	<2	114	1320.87	115.1	<2	1	4.81	.005	2	7	1.05	13	<.01	4	.05	<.01	.01	<2	<2	32255	10.2	<2	<5	73	<1	1
RE 09-07-98-#58	3.9	53.4	45380.0	99999.0	63001	11	31	1160	5.32	<5	<5	<2	112	1424.92	114.9	<2	2	5.14	.005	2	9	1.14	13	<.01	12	.05	<.01	.01	2	<2	35197	10.5	<2	<5	78	<1	<1

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(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Barker Minerals Limited File # 9802759R

22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	Zn %
09-07-98-#58	32.82

.250 GM SAMPLE DIGESTED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: JUL 24 1998 DATE REPORT MAILED: July 31/98 SIGNED BY. C.L. D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

* CALEDO PROSPECT (SELECT SAMPLE)

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 EXTRACTION-ANALYSIS CERTIFICATE

Barker Minerals Limited File # 9803004

22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
11-07-98-#59	92.0	112.4	46381.9	395.0	99999	40	46	16787	2.54	<5	23	<2	128	20.87	65.9	8164.8	2	.40	.020	3	2	.01	4	<.01	<3	.47	.01	<.01	2	13.4	<10	591.1	169.0	<5	2836	2	<1
11-07-98-#60	36.7	22.4	429.5	14.6	7110	7	1	89	1.62	1.7	5	2	10	.18	.8	14.0	3	.01	.013	6	15	.01	25	<.01	<3	.16	.03	.07	4	<.2	<10	1.5	.8	1.3	16	<1	<1
11-07-98-#61	4.4	146.5	391.2	8.7	6551	12	22	53	8.03	12.6	<5	<2	2	.03	.5	15.1	1	<.01	.010	<1	9	<.01	4	<.01	<3	.12	.01	.01	3	<.2	<10	8.2	.9	1.2	59	<1	7
12-07-98-#62	1.9	56.8	77.3	73.1	775	22	10	286	2.88	2.0	<5	5	6	.19	<.2	1.8	10	.13	.038	12	28	.54	43	.05	<3	.80	.03	.44	3	.4	10	.9	.4	2.9	2	<1	2
12-07-98-#63	2.1	562.6	63.1	9.3	1519	281	81	311	24.63	.6	<5	<2	5	.79	<.2	4.4	11	1.65	.020	3	12	.05	16	.05	<3	.19	<.01	.01	<2	<.2	46	.8	.4	1.0	3	1	11
13-07-98-#64	8.1	19.5	38751.1	875.1	99999	8	3	480	3.09	<5	9	8	26	8.68	20.8	174.5	1	.03	.055	10	12	.01	19	<.01	<3	.34	.01	.05	4	6.1	<10	229.2	65.4	<5	35	<1	3
13-07-98-#65	5.8	15.0	32974.3	172.1	99999	9	9	112	6.28	74.5	5	<2	5	4.81	59.3	227.1	1	.01	.001	2	14	<.01	3	<.01	<3	.03	<.01	.01	6	7.9	<10	323.6	66.8	<5	237	<1	2
18-07-98-#66	160.7	40.9	32740.1	20.9	99999	8	1	2139	.74	<5	<5	<2	587	87.25	48.7	8353.6	1	5.75	.001	1	7	.11	4	<.01	<3	.01	<.01	<.01	<2	12.6	<10	226.7	186.8	<5	718	1	4
18-07-98-#67	15.4	47.4	36472.2	160.1	99999	33	5	443	6.07	<5	8	<2	15	78.96	32.8	5094.9	1	.04	.003	<1	7	.01	3	<.01	<3	<.01	<.01	.01	4	8.4	<10	175.7	105.9	<5	666	<1	1
19-07-98-#66-A	118.9	21.3	36483.2	37.4	99999	11	1	240	2.23	<5	<5	<2	34	76.38	31.4	7508.4	<1	.25	.001	<1	13	<.01	1	<.01	<3	.01	<.01	<.01	4	8.2	<10	217.1	129.1	9.2	654	2	6
19-07-98-#68	10.1	86.2	41764.7	36.5	99999	11	2	61	.77	<5	<5	<2	6	96.95	80.7	7602.2	<1	<.01	.004	<1	6	<.01	3	<.01	<3	.04	<.01	<.01	4	10.9	<10	574.1	93.1	<5	2709	2	3
19-07-98-#69	2.9	272.7	4705.5	43.7	18951	136	41	330	4.09	<5	<5	<2	221	1.07	4.1	30.1	35	3.76	.139	3	70	.98	17	.19	<3	4.90	.26	.10	3	<2	<10	3.0	<2	14.8	14	<1	2
21-07-98-#70	2.9	24.9	1155.7	40.0	6493	18	5	168	1.48	<.5	<5	2	5	.40	.9	25.8	13	.18	.027	4	30	.23	16	.01	4	.36	.01	.07	6	.2	<10	2.5	.5	1.7	7	<1	<1
21-07-98-#70-A	2.5	87.7	327.2	103.5	1536	19	28	863	6.31	<.5	<5	<2	15	.42	.3	3.0	200	.54	.070	6	27	2.16	28	.01	<3	2.89	.07	.08	2	.2	<10	1.1	.2	8.5	2	1	3
21-07-98-#71	10.6	49.9	275.8	45.3	1074	41	13	339	2.41	<.5	<5	4	12	.17	.2	2.2	34	.24	.055	10	35	.82	21	.03	<3	1.17	.02	.11	5	<.2	11	1.4	<.2	3.2	1	1	5
21-07-98-#72	2.6	7.9	185.4	6.1	451	5	1	106	.49	<.5	<5	<2	1	.03	<.2	1.0	1	.01	.002	<1	23	.02	5	<.01	<3	.06	.01	.02	5	<.2	<10	<.3	<.2	<.5	1	<1	<1
21-07-98-#72-A	1.3	42.3	188.8	203.1	676	16	13	391	2.91	2.6	<5	5	10	.51	.2	1.7	21	.23	.033	9	33	.79	70	.10	<3	1.18	.05	.72	4	.4	17	.4	.3	2.8	3	<1	2
21-07-98-#72-B	9.4	45.4	127.0	78.9	401	123	33	592	4.72	<.5	<5	<2	14	.06	<.2	1.0	94	1.45	.107	3	320	2.41	289	.27	<3	3.02	.09	1.43	2	.7	<10	<.3	<.2	7.6	<1	1	4
RE 21-07-98-#72-B	6.6	46.4	125.9	78.8	265	124	33	597	4.77	<.5	<5	<2	14	.07	<.2	.5	95	1.47	.106	4	319	2.44	289	.28	<3	3.04	.09	1.44	2	.8	<10	<.3	<.2	9.1	1	2	7
21-07-98-#73	1.4	134.4	111.5	32.9	811	33	70	243	3.88	.7	<5	17	34	.09	.2	3.0	33	.23	.084	247	38	.55	53	.05	<3	.76	.04	.45	5	.5	<10	.4	.2	4.8	2	<1	<1
21-07-98-#74	10.1	58.5	79.6	55.5	651	22	12	246	2.79	.9	6	6	5	.24	.2	.5	41	.16	.057	8	35	.99	64	.03	<3	1.19	.03	.21	3	.3	<10	3.1	.2	4.8	1	1	2
21-07-98-#75	2.0	16.7	58.0	39.9	148	25	10	450	1.89	1.1	<5	6	7	.08	<.2	.3	24	.18	.023	16	42	.62	37	.04	3	.99	.03	.23	5	.2	<10	<.3	<.2	3.6	<1	<1	1
21-07-98-#76	37.2	102.1	56.9	344.8	767	102	23	361	3.47	<.5	6	6	20	4.25	<.2	.4	60	.39	.075	9	38	.88	72	.07	<3	1.43	.07	.35	3	.6	12	7.3	<.2	4.0	1	3	7
22-07-98-#77	32.2	126.0	31.2	210.8	790	154	27	304	3.76	.5	6	5	12	2.93	<.2	.4	42	.39	.108	4	42	.52	44	.05	<3	.86	.03	.18	3	.5	<10	6.4	.2	2.9	<1	3	7
22-07-98-#78	26.3	118.4	21.3	164.2	719	105	23	344	3.41	<.5	6	3	11	2.63	<.2	.2	69	.38	.078	4	66	.87	70	.06	<3	1.14	.04	.23	3	.5	<10	5.2	.2	3.8	2	5	10
22-07-98-#79	24.5	84.8	28.4	127.3	711	37	14	514	3.69	<.5	7	7	14	1.36	<.2	.4	87	.36	.074	11	45	1.11	75	.05	<3	1.61	.05	.28	4	.4	<10	5.6	<.2	5.1	28	<1	<1
22-07-98-#80	7.5	69.9	26.4	103.0	440	120	21	731	3.43	1.7	<5	2	18	.57	<.2	.4	43	1.96	.061	4	121	1.13	96	.07	<3	1.24	.04	.51	3	.7	13	2.8	.2	3.8	<1	1	5
22-07-98-#83	.8	50.3	16.4	7.8	265	8	13	240	2.19	3.8	<5	<2	4	.02	.2	.7	7	.29	.010	3	20	.18	22	.01	<3	.29	.01	.15	7	.2	<10	1.0	.3	1.0	<1	<1	4
STANDARD D2/C3/FA-100S	24.6	124.6	101.8	267.4	1895	32	17	1042	4.59	71.5	24	23	60	1.89	9.9	17.6	75	.72	.108	18	57	1.13	247	.16	30	2.43	.05	.69	14	2.9	906	.4	2.2	7.5	54	47	47

ICP - 5 GRAM SAMPLE IS DIGESTED WITH 30 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.
- SAMPLE TYPE: ROCK AU** PT** PD** ANALYSIS BY FA/ICP FROM 30 GM SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 22 1998 **DATE REPORT MAILED:** Aug 10/98 **SIGNED BY:** C. Toye D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data F 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

Barker Minerals Limited File # 9803004R
22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	CU %	PB %	Zn %	AG OZ/T	AS %	BI %	Au*# oz/t	Au** oz/t
11-07-98-#59	.009	52.84	.03	142.56	<.01	1.24	.081	.081
13-07-98-#64	.001	6.79	.08	3.81	<.01	.02	<.002	.001
13-07-98-#65	.002	6.09	.03	4.64	.01	.02	.006	.007
18-07-98-#66	.003	53.72	<.01	55.79	<.01	.55	.016	.019
RE 18-07-98-#66	.003	54.15	<.01	56.68	.01	.55	.013	.015
18-07-98-#67	.003	34.67	.01	36.50	.01	.35	.018	.023
19-07-98-#66-A	<.001	43.47	<.01	44.63	<.01	.43	.022	.016
19-07-98-#68	.007	44.17	<.01	86.07	<.01	.95	.077	.076
STANDARD GC-2/AU-1	.925	9.01	16.76	31.23	.15	<.01	.101	.097

.250 GM SAMPLE DIGESTED IN 75 ML AQUA - REGIA, DILUTE TO 250 ML, ANALYSIS BY ICP.
AU*# - IGNITION, FIRE ASSAY FROM 1 A.T. SAMPLE.
- SAMPLE TYPE: ROCK PULP AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 13 1998 DATE REPORT MAILED: Aug 20/98 SIGNED BY: C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data d FA YZ

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 EXTRACTION-ANALYSIS CERTIFICATE

Barker Minerals Limited File # 9803005
22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
19-07-98-#69-A	1.2	34.2	14.2	2034.7	106	41	20	497	4.20	1.8	<5	8	14	.06	<.2	.2	53	.14	.041	32	55	1.12	119	.11	<3	2.96	.02	.61	<2	.2	36	<.3	<.2	8.2	<1	<1	<1
22-07-98-#81	6.0	32.2	16.0	104.4	438	32	15	469	5.08	3.1	<5	4	19	.32	<.2	.4	67	.40	.080	28	48	.87	72	.06	<3	2.27	.01	.22	<2	<.2	38	.9	<.2	9.0	5	1	2
22-07-98-#82	7.1	36.8	17.5	110.3	278	35	17	772	5.04	2.5	<5	3	20	.40	<.2	.4	70	.35	.079	32	41	.73	76	.06	<3	2.26	.01	.19	<2	<.2	35	.9	<.2	8.6	<1	<1	1
RE 22-07-98-#81	6.3	32.9	17.5	99.0	463	32	15	471	5.19	2.6	<5	3	20	.35	<.2	.4	68	.40	.082	29	45	.88	73	.07	<3	2.30	.01	.22	<2	<.2	40	1.2	<.2	9.4	3	1	5

ICP - 5 GRAM SAMPLE IS DIGESTED WITH 30 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.
- SAMPLE TYPE: -230 SOIL AU** PT** PD** ANALYSIS BY FA/ICP FROM 30 GM SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 22 1998 DATE REPORT MAILED: Aug 10/98 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 EXTRACTION-ANALYSIS CERTIFICATE

Barker Minerals Limited File # 9803272

22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
23-07-98-#84	7.0	41.8	50.4	3708.7	411	10	4	64	1.08	13.3	<5	<2	<1	78.36	<2	552.3	1	.01	<.001	1	17	.02	3	<.01	<3	.06	.01	.01	2	<2	16	5.7	7.9	<5	2	<1	<1
23-07-98-#85	2.7	14.3	6.9	25.9	77	4	2	189	.62	3.7	7	<2	1	.57	.2	2.2	1	.03	.001	3	17	.01	3	<.01	<3	.09	.01	.01	7	<.2	<10	<.3	.2	.5	<1	<1	<1
23-07-98-#86	2.2	135.1	41.4	12.8	238	10	38	185	7.28	1.0	<5	2	2	.27	.2	75.4	2	.07	.020	6	16	.03	26	<.01	<3	.17	.01	.11	<2	<.2	13	3.7	1.2	.7	1	<1	<1
23-07-98-#87	1.1	82.8	22.6	68.7	71	16	22	1829	5.64	.9	<5	7	93	.17	<.2	.4	59	3.91	.089	17	15	1.08	25	.01	<3	1.68	.08	.04	<2	<.2	16	<.3	<.2	5.1	3	2	2
23-07-98-#88	2.0	31.9	27.1	131.9	460	19	24	1953	5.97	1.3	<5	9	62	.40	.2	.5	134	1.35	.111	26	34	1.19	77	.04	<3	1.71	.13	.19	<2	<.2	<10	<.3	.2	10.3	5	3	3
25-07-98-#89	511.1	82.0	44523.6	71.0	99999	15	2	56	3.56	<5	10	<2	22	49.74	13.7	2991.9	4	.02	.099	2	12	.01	2	<.01	3	.14	.01	.01	6	2.3	20	269.0	72.7	<5	45	<1	2
25-07-98-#90	3.9	29.2	43416.6	4315.7	99999	7	1	28	.29	<5	<5	<2	4	148.22	84.5	5626.6	1	<.01	.002	<1	9	<.01	2	<.01	<3	.01	<.01	<.01	4	2.6	86	713.1	141.2	<5	26	<1	<1
01-08-98-#91	6.8	488.2	2467.3	19.5	10068	76	29	467	10.12	<.5	<5	2	29	.60	5.2	134.6	4	.52	.068	7	15	.15	21	<.01	5	.18	.02	.05	354	<.2	<10	4.4	1.4	.8	71	<1	<1
01-08-98-#92	3.3	291.5	2179.0	60.9	7101	55	60	3288	7.41	17.5	12	3	73	.51	2.5	14.6	11	2.77	.162	7	11	.15	43	<.01	12	.26	.02	.07	6	.4	<10	8.3	1.3	.5	13	9	5
01-08-98-#93	1.1	58.9	53.5	8.1	360	29	9	1419	2.65	1.0	<5	13	92	.09	<.2	.6	5	2.14	.053	12	6	.83	57	<.01	5	.41	.01	.28	<2	<.2	<10	.8	.2	1.0	1	1	1
01-08-98-#94	7.3	6329.4	589.4	977.9	11393	42	35	861	11.05	150.9	<5	3	4	2.40	<2	8.4	53	.05	.019	3	39	.88	13	<.01	<3	1.34	.01	.04	<2	<2	84	6.8	2.7	<5	125	1	2
01-08-98-#95	2.3	126.8	97.8	35.4	866	74	29	247	3.46	1.0	<5	11	5	.18	.2	23.4	10	.19	.036	15	29	.53	31	.02	21	.89	.02	.20	7	.2	10	.5	<.2	2.4	489	<1	1
01-08-98-#96	4.1	360.5	2251.8	7.2	33101	24	73	891	19.31	8.9	<5	<2	33	3.94	8.3	1874.8	<1	1.32	.004	1	13	.59	4	<.01	<3	.05	<.01	.02	<2	<2	11	5.1	10.1	<5	60	<1	3
01-08-98-#97	19.2	99.8	35.2	455.9	389	63	15	1119	5.44	3.7	<5	3	182	9.48	.8	.6	19	7.35	.136	8	10	1.16	37	<.01	3	.27	.02	.12	2	<.2	24	5.4	.5	1.8	8	2	3
01-08-98-#98	8.7	22.0	44.6	196.0	276	35	7	1330	4.00	7.5	<5	4	396	3.70	.6	.7	9	10.72	.129	9	9	.89	50	<.01	<3	.24	.02	.11	<2	<.2	18	1.6	1.1	1.0	15	<1	1
01-08-98-#99	3.9	203.7	53.0	8.3	1347	34	19	368	3.96	1.6	<5	2	14	.21	.3	75.6	3	.58	.007	3	27	.25	13	<.01	<3	.15	.01	.06	9	<.2	<10	1.4	36.1	1.0	1203	<1	<1
01-08-98-#100	7.8	210.8	68.6	137.6	1038	109	17	5037	7.43	8.6	10	7	129	.65	.4	1.3	122	2.08	.123	13	48	.79	99	.01	4	.80	.06	.12	<2	.2	<10	5.3	.5	4.1	9	5	9
02-08-98-#101	23.9	138.5	25.4	574.6	471	79	12	135	2.78	46.1	11	8	41	6.28	.3	.3	74	.67	.244	14	23	.18	151	<.01	4	.70	.01	.22	4	<.2	11	7.8	.5	2.3	13	2	7
02-08-98-#102	2.0	71.0	28.3	13.8	563	32	13	1405	4.17	1.4	5	7	124	.12	<.2	.7	8	2.23	.070	14	10	.84	61	<.01	<3	.45	.04	.19	<2	<.2	<10	1.9	.4	1.3	1	<1	<1
RE 02-08-98-#102	1.5	73.1	28.9	13.4	551	32	13	1425	4.24	1.0	<5	8	126	.12	.2	.8	8	2.26	.071	14	13	.85	62	<.01	3	.46	.04	.19	<2	<.2	12	2.0	.2	1.2	<1	<1	<1
02-08-98-#103	11.0	61.4	21.6	117.9	330	47	13	491	3.09	1.0	<5	9	101	.42	<.2	.3	30	3.12	.086	18	19	.50	103	<.01	<3	1.05	.01	.17	<2	.2	<10	3.2	.2	2.8	1	<1	2
02-08-98-#104	3.7	28.6	340.3	27.1	3652	32	11	32	3.04	20.8	<5	<2	2	.08	.5	6.2	1	.02	.001	<1	15	<.01	5	<.01	6	.01	.01	.01	<2	<.2	<10	1.0	.4	<.5	13	<1	2
02-08-98-#105	4.9	113.4	127.0	116.9	1481	58	15	686	4.23	1.6	<5	9	68	1.28	.2	1.7	66	1.26	.045	20	34	.84	82	<.01	<3	.77	.10	.10	3	<.2	15	3.3	.3	3.1	1	1	2
02-08-98-#106	3.1	69.4	377.7	9.6	8173	21	7	53	1.57	<.5	<5	<2	4	.32	.9	237.7	1	.08	.002	1	23	.01	8	<.01	4	.05	.01	.02	256	.2	<10	.9	3.0	<.5	21	1	3
02-08-98-#107	6.6	95.2	30.8	8.1	451	16	13	54	1.63	<2.5	<5	<2	2	<.05	<1	330.4	3	.03	.004	2	29	.07	6	<.01	15	.12	.01	.04	50	<1	<10	<1.5	<1	<2.5	3091	<1	<1
02-08-98-#108	7.1	205.2	25.8	79.2	523	111	22	3653	12.41	8.7	<5	4	205	.69	.5	3.7	115	7.45	.341	10	63	2.31	11	<.01	4	1.89	.01	.03	4	<.2	<10	9.6	.6	6.1	23	7	16
02-08-98-#109	1.7	24.6	11.6	96.5	109	36	16	512	4.15	.9	<5	10	22	.05	<.2	.5	18	.55	.062	26	34	.98	51	.01	<3	2.11	.04	.18	4	<.2	<10	.4	<.2	4.9	7	<1	<1
03-08-98-#110	3.2	195.4	56.5	3.8	1033	17	23	39	3.94	.5	<5	<2	1	.03	.2	54.6	1	.02	.001	1	19	.01	1	<.01	<3	.01	<.01	<.01	2	<.2	<10	1.7	20.9	<.5	6	<1	<1
03-08-98-#111	10.6	45.9	16.0	54.0	199	39	13	835	3.82	2.1	<5	8	116	.32	.2	.4	55	3.61	.038	17	30	.88	64	.01	5	1.29	.06	.19	2	<.2	<10	.8	.3	3.7	<1	1	1
03-08-98-#112	13.8	106.9	22.6	88.4	245	50	21	578	5.40	2.0	<5	9	104	.27	.2	<.2	71	1.95	.061	13	42	1.19	133	.05	<3	1.22	.08	.53	<2	.4	<10	1.6	.2	6.0	2	1	1
03-08-98-#113	2.2	22.3	10143.2	11.4	18282	6	3	47	.58	23.1	<5	<2	9	.64	21.6	2.4	1	.06	.027	2	21	.02	25	<.01	<3	.08	<.01	.04	8	<2	17	<3	<2	<5	5	<1	<1
03-08-98-#114	2.6	2483.2	60.6	170.6	1414	37	104	223	16.09	124.3	<5	6	4	.18	.6	28.7	20	.05	.030	5	37	1.73	60	<.01	<3	2.91	.01	.08	<2	.3	13	15.1	1.1	8.9	59	<1	<1
STANDARD 02/C3/FA100	23.3	105.0	105.0	260.9	1684	31	18	1033	4.58	70.9	25	23	61	1.87	10.3	17.9	73	.71	.105	19	57	1.14	274	.11	30	2.38	.05	.70	14	2.2	926	.4	1.8	5.9	50	48	48

ICP - 5 GRAM SAMPLE IS DIGESTED WITH 30 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.
- SAMPLE TYPE: ROCK AU** PT** PD** ANALYSIS BY FA/ICP FROM 30 GM SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 5 1998 DATE REPORT MAILED: Aug 19/98 SIGNED BY: C. Leong .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.)

ASSAY CERTIFICATE

Barker Minerals Limited File # 9803272R
22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	Pb %	Ag oz/t	Bi %	Au** oz/t
25-07-98-#89	31.35	28.80	.25	-
25-07-98-#90	55.65	45.36	.37	-
01-08-98-#96	.24	1.02	.18	-
01-08-98-#99	-	-	-	.034
02-08-98-#107	-	-	-	.091
03-08-98-#113	1.08	.53	<.01	-
RE 03-08-98-#113	1.12	.59	<.01	-

.250 GM SAMPLE DIGESTED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 27 1998 DATE REPORT MAILED: Sept 2/98 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 EXTRACTION-ANALYSIS CERTIFICATE

Barker Minerals Limited File # 9803714

22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm
14-08-98-#115	3.2	153.5	8.7	36.2	167	56	26	84	2.63	18.5	7	5	5	.03	.2	<.2	16	.06	.017	16	26	.63	29	.04	<3	.98	.03	.35	<2	.2	<10	.5	<.2	3.4
14-08-98-#117	1.2	58.9	17.4	76.6	40	116	46	532	6.96	10.3	<5	3	10	.04	.3	<.2	100	.14	.041	15	129	2.04	81	.30	<3	2.62	.11	1.91	4	.6	<10	.6	<.2	12.1
14-08-98-#118	1.7	68.1	8.3	34.5	<30	50	28	398	3.53	2.5	<5	<2	33	.07	<.2	<.2	79	1.76	.166	2	24	1.26	77	.18	<3	1.74	.20	.22	<2	<.2	16	<.3	<.2	6.0
14-08-98-#119	2.7	23.7	16.3	16.2	61	16	5	363	1.48	19.9	<5	5	4	.04	.3	.3	2	.08	.027	10	18	.05	17	<.01	<3	.22	.01	.14	6	<.2	<10	.3	<.2	.9
14-08-98-#120	2.4	116.6	18.9	70.7	165	74	33	368	5.02	3.2	5	<2	55	.17	<.2	<.2	67	1.00	.029	3	61	1.62	82	.09	<3	3.36	.31	1.00	<2	.4	<10	.9	<.2	10.0
14-08-98-#121	2.3	344.0	20.3	29.7	411	340	150	318	14.80	4.2	<5	<2	475	.17	<.2	.8	19	2.25	.068	2	34	.44	33	.05	<3	3.82	.29	.11	5	<.2	<10	.7	.3	8.8
14-08-98-#122	3.4	88.0	16.4	99.4	69	111	36	467	5.99	1.7	5	2	38	.06	<.2	.2	121	1.09	.141	8	162	2.61	353	.26	<3	4.12	.12	1.98	<2	.7	<10	.4	<.2	12.7
15-08-98-#123	.9	27.5	7.0	46.2	<30	3	3	305	2.61	2.7	<5	21	15	.08	<.2	<.2	2	.38	.075	35	6	.15	15	<.01	<3	.57	.15	.08	3	<.2	<10	<.3	<.2	1.6
15-08-98-#124	2.9	14.0	58.2	171.9	78	85	19	65	8.66	21.3	<5	4	78	.19	.6	.3	73	.66	.140	21	108	.91	55	.01	<3	.74	.02	.44	<2	.5	<10	2.7	<.2	7.4
15-08-98-#125	283.4	68.2	42541.9	506.5	99999	27	5	89	5.08	<5	<5	11	77	30.52	26.2	1459.5	2	.01	.078	2	17	.01	5	<.01	<3	.20	.09	.01	8	<2	140	153.1	72.4	<5
15-08-98-#126	43.7	22.1	45654.6	243.7	99999	14	1	46	1.50	20.5	<5	9	20	51.77	38.0	2202.9	<1	.05	.002	<1	19	<.01	3	<.01	<3	.01	<.01	<.01	<2	2.0	30	205.5	116.5	<5
15-08-98-#127	47.3	73.8	13922.6	104.9	49686	32	7	450	2.56	14.1	6	4	42	2.35	<2	110.0	6	.54	.033	2	24	.01	17	<.01	<3	.12	.03	.03	10	<2	<10	20.5	5.9	<5
15-08-98-#128	164.7	59.1	573.8	57.1	2104	71	33	546	6.92	10.8	<5	5	20	.63	<1	4.8	13	.19	.074	7	15	.03	53	<.01	<3	.39	.06	.17	2	<1	10	10.6	1.0	<2.5
RE 15-08-98-#128	162.3	56.9	486.3	55.1	1424	69	31	527	6.66	10.9	<5	5	20	.54	<1	5.0	12	.19	.072	7	12	.03	56	<.01	<3	.39	.06	.17	2	<1	<10	10.3	<1	3.4
16-08-98-#129	13.3	16.2	45655.6	46.5	99999	9	1	124	.89	<5	8	10	21	36.23	22.1	1187.7	1	.01	.013	2	21	<.01	6	<.01	<3	.07	.02	.01	10	2.1	<10	125.0	57.9	<5
17-08-98-#130	5.7	11.8	46013.2	293.3	99999	15	2	266	1.34	36.8	10	10	8	14.63	240.5	26.2	1	.09	.027	1	17	.01	37	<.01	<3	.07	<.01	.05	<2	<2	<10	65.7	3.5	<5
18-08-98-#131	27.5	66.8	41913.9	1788.6	99999	11	3	141	3.55	<5	<5	9	45	64.10	<2	1523.9	<1	.33	.003	<1	20	.01	3	<.01	<3	.03	.01	<.01	10	2.1	40	126.2	117.4	<5
18-08-98-#132	10.1	16.0	48592.1	25.1	99999	15	2	128	2.15	<5	<5	10	33	15.49	4.9	857.5	<1	.01	.006	1	15	<.01	3	<.01	<3	.06	.03	.01	<2	2.2	<10	96.1	29.6	<5
22-08-98-#133	2.9	180.6	687.3	61.2	2453	58	29	1008	5.57	<.5	<5	6	18	.24	.3	5.6	28	.52	.093	47	50	1.10	77	.09	<3	1.62	.07	.65	5	.5	<10	1.0	.8	5.4
22-08-98-#134	3.8	54.1	246.4	82.6	1768	20	15	787	4.60	<.5	<5	2	11	.54	<.2	1.7	76	1.38	.097	6	30	1.63	159	.09	<3	1.49	.07	.57	<2	.8	<10	1.9	.2	5.1
STANDARD D2/C3/FA100S	24.4	125.4	109.3	273.7	1882	33	18	1034	4.65	74.9	19	21	61	1.92	8.7	23.5	73	.69	.111	18	56	1.15	265	.15	29	2.46	.05	.73	15	1.9	912	.7	1.7	6.6

ICP - 15 GRAM SAMPLE IS DIGESTED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 300 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.
- SAMPLE TYPE: ROCK Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 27 1998 DATE REPORT MAILED: Sept 9/98 SIGNED BY. C. Leong D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Assay in progress

 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 EXTRACTION-ANALYSIS CERTIFICATE

Barker Minerals Limited File # 9803714
22117 - 37A Avenue, Langley BC V2Z 1W9

SAMPLE#	Au** ppb	Pt** ppb	Pd** ppb
14-08-98-#115	1	<1	1
14-08-98-#117	<1	1	1
14-08-98-#118	<1	<1	1
14-08-98-#119	1	1	2
14-08-98-#120	4	1	5
14-08-98-#121	7	1	4
14-08-98-#122	2	7	7
15-08-98-#123	<1	<1	1
15-08-98-#124	3	1	4
15-08-98-#125	300	1	2
15-08-98-#126	179	1	2
15-08-98-#127	18	2	3
15-08-98-#128	4	1	3
RE 15-08-98-#128	5	2	4
16-08-98-#129	460	<1	<1
17-08-98-#130	29	1	1
18-08-98-#131	84	1	<1
18-08-98-#132	122	1	<1
22-08-98-#133	2	1	4
22-08-98-#134	<1	1	2
STANDARD D2/C3/FA100S	51	44	43

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

DATE RECEIVED: AUG 27 1998 **DATE REPORT MAILED:** Sept 9/98 **SIGNED BY.** C. Leong 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.)

ASSAY CERTIFICATE

Barker Minerals Limited File # 9803714R
22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	Pb %	Ag oz/t
15-08-98-#125	15.91	16.31
15-08-98-#126	24.18	23.56
15-08-98-#127	1.04	1.56
16-08-98-#129	14.66	16.28
17-08-98-#130	9.06	6.65
RE 17-08-98-#130	9.23	6.76
18-08-98-#131	16.13	15.34
18-08-98-#132	7.26	10.70
STANDARD GC-2	9.05	29.95

.250 GM SAMPLE DIGESTED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
- SAMPLE TYPE: ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 10 1998 **DATE REPORT MAILED:** Sept 17/98 **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 EXTRACTION-ANALYSIS CERTIFICATE

Barker Minerals Limited File # 9803909

22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
-09-98-#135	2.3	76.7	5.9	52.7	36	17	13	562	3.02	2.0	10	<2	12	.04	<.2	.9	67	.58	.016	1	16	1.00	32	.03	<3	1.39	.02	.30	<2	.2	<10	<.3	<.2	4.3	7	2	3
-09-98-#136	2.4	145.8	22630.4	35664.8	10349	18	13	82	3.62	16.2	9	<2	8	298.70	31.5	24.0	3	.18	.077	4	20	.03	48	.02	<3	.09	.01	.09	695	<2	212	4.4	<2	<5	22	1	<1
-09-98-#137	1.6	436.0	360.0	1526.2	1528	73	41	206	32.03	1256.3	75	5	4	6.99	<1	4.3	2	.09	.022	3	8	.08	20	.01	<3	.13	<.01	.11	<2	<1	63	<1.5	<1	<2.5	8	4	3
-09-98-#138	3.2	550.2	2102.9	6663.6	15676	64	347	58	19.02	37.2	58	2	4	42.86	<2	90.7	<1	.05	.025	<1	22	<.01	2	<.01	<3	.04	.01	.07	25	<2	120	<3	<2	<5	84	2	2
-09-98-#139	9.2	315.1	45.3	14.5	570	28	32	238	6.15	6.6	16	3	9	.09	.2	94.8	2	.32	.048	3	18	.11	<1	<.01	<3	.16	.01	.07	<2	<.2	<10	2.7	8.8	.9	756	1	<1
-09-98-#140	2.8	402.6	20.3	20.1	1082	62	48	57	11.32	1.6	31	2	2	.06	<.2	198.6	1	.03	.008	<1	22	.01	11	<.01	<3	.06	.01	.09	6	<.2	10	3.1	87.6	.9	1224	2	2
-09-98-#141	2.4	278.3	3.9	35.8	361	94	72	329	8.97	1.5	18	8	12	.05	<.2	8.3	45	.34	.058	18	33	.51	27	.03	<3	.70	.03	.44	<2	.5	<10	3.4	5.2	3.6	14	2	1
-09-98-#142	1.0	179.9	4.4	184.4	<30	14	33	236	6.71	1.0	17	6	7	.05	<.2	<.2	302	.29	.115	10	11	1.42	237	.12	<3	2.67	.08	.60	2	<.2	13	.7	.4	11.1	1	7	4
08-09-98-#142	1.2	177.1	5.4	182.9	40	8	32	238	6.68	<.5	15	5	7	.04	<.2	.2	301	.29	.113	11	10	1.42	230	.12	<3	2.60	.08	.59	<2	.3	12	.7	.3	11.8	1	7	4
-09-98-#143	1.4	68.9	5.3	82.4	<30	27	13	229	4.16	.6	12	8	3	.02	<.2	.2	21	.09	.031	9	44	1.36	28	.03	<3	2.21	.02	.20	<2	<.2	<10	.3	.2	6.4	<1	1	<1
-09-98-#144	.8	101.8	6.8	82.6	128	50	22	212	3.94	.6	11	18	5	.01	<.2	.6	11	.09	.034	16	25	1.25	34	.02	<3	1.99	.01	.23	<2	<.2	<10	.5	.3	6.3	6	1	<1
-09-98-#145	2.3	13.0	1.8	2.3	<30	7	<1	28	.32	.9	<5	<2	<1	.01	<.2	<.2	<1	<.01	.001	1	20	.01	<1	<.01	<3	.02	<.01	.09	<2	<.2	13	<.3	<.2	<.5	<1	1	<1
ANDARD D2/C3/F	23.3	118.9	93.0	269.8	1946	30	16	1042	4.22	79.6	30	19	58	1.92	8.8	18.2	71	.70	.104	16	53	1.08	259	.12	29	2.25	.05	.65	13	2.4	892	.6	1.8	7.5	50	49	48

andard is STANDARD D2/C3/FA100S.

ICP - 5 GRAM SAMPLE IS DIGESTED WITH 30 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.
- SAMPLE TYPE: ROCK AU** PT** PD** ANALYSIS BY FA/ICP FROM 30 GM SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 8 1998 DATE REPORT MAILED: Sept 16/98 SIGNED BY. C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Assay Pb, Zn > 1%
Ag > 30 ppm. in progress
Au > 1000 ppb

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

Barker Minerals Limited File # 9803909R
22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	Pb %	Zn %	Au** oz/t
04-09-98-#136	1.91	3.46	-
06-09-98-#140	-	-	.034
RE 06-09-98-#140	-	-	.032

1.000 GM SAMPLE DIGESTED IN 30 ML AQUA - REGIA, DILUTE TO 100 ML, ANALYSIS BY ICP.
AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
- SAMPLE TYPE: ROCK PULP
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 18 1998 DATE REPORT MAILED: Sept 24/98 SIGNED BY: C. Leong

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

Data 1 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 EXTRACTION-ANALYSIS CERTIFICATE

Barker Minerals Limited File # 9803910

22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
P#72	4.3	90.4	26.7	8.6	545	31	12	569	4.51	5.4	14	2	30	.05	.2	4.2	3	.66	.008	6	18	.22	22	<.01	<3	.14	.01	.14	<2	<.2	12	.6	.3	<.5	10	1	3
P#78	3.5	123.1	24.4	3.8	611	60	26	49	4.53	4.7	14	6	4	.01	<.2	21.5	2	.11	.038	18	24	.02	25	<.01	13	.13	.01	.12	7	.2	11	1.3	<.2	.6	19	1	1
P#79A	6.3	235.3	20.2	7.1	1517	66	42	152	9.09	8.7	26	2	2	.16	1.3	608.8	<1	.09	.004	<1	20	<.01	9	<.01	<3	.01	<.01	.05	<2	.4	<10	5.9	10.2	<.5	2533	<1	2
P#79B	2.7	123.3	6.4	3.0	292	50	27	424	4.62	6.3	16	<2	15	.07	<.2	61.2	<1	.83	.003	1	22	.02	15	<.01	<3	.03	<.01	.06	7	<.2	<10	2.4	.8	.8	381	1	3
P#100	5.5	596.8	5.1	352.9	391	227	16	6097	22.89	21.5	36	6	124	.93	.2	3.6	178	3.82	.327	12	86	1.96	23	.01	<3	2.22	<.01	.07	<2	.2	11	18.0	.8	9.1	12	3	18
P#112	3.1	434.7	74.2	4.3	1640	62	70	64	8.50	8.1	28	2	4	.22	.3	35.2	<1	.04	.004	<1	26	.01	8	<.01	<3	.03	.01	.06	9	<.2	<10	2.5	7.1	.6	843	<1	2
P#124	3.4	26.3	18.6	15.9	193	15	6	73	.96	1.3	<5	2	3	.05	.2	1.0	10	.04	.006	3	19	.17	20	.01	<3	.30	.02	.23	<2	<.2	<10	.5	.2	1.5	4	<1	1
P#126	2.7	176.0	178.1	7.0	3623	26	24	76	4.37	1.0	12	<2	1	.30	.3	157.6	2	.01	.004	1	26	.05	10	<.01	<3	.14	<.01	.08	7	<.2	10	.7	.6	<.5	27	1	1
P#128	10.8	73.9	34.1	5.9	441	223	48	61	11.56	101.2	33	2	3	.05	.6	3.7	6	.06	.004	<1	19	.02	20	<.01	<3	.07	<.01	.07	<2	<.2	<10	16.8	.8	.8	26	1	6
P#131	2.6	199.6	508.0	9.5	594	17	22	529	6.62	11.3	23	<2	5	.11	1.3	1105.5	1	.16	.007	1	27	.06	16	<.01	3	.06	<.01	.07	7	.6	<10	1.1	.8	<.5	226	1	1
RE P#131	2.6	201.0	511.2	11.1	613	18	22	537	6.71	12.3	17	2	5	.12	1.3	1152.6	1	.16	.006	1	28	.06	9	<.01	<3	.06	<.01	.07	7	.5	<10	1.0	.9	<.5	80	<1	1
P#143	3.2	47.3	24.4	4.2	146	20	20	41	3.39	24.0	16	<2	<1	.02	.7	21.9	<1	<.01	.001	<1	18	<.01	<1	<.01	<3	.01	<.01	.07	<2	<.2	<10	1.2	.2	.5	5	1	3
P#148	2.4	281.8	80.4	21.4	1004	49	45	111	8.14	3.8	20	2	4	.05	.3	13.4	<1	.09	.003	<1	28	.03	8	<.01	<3	.02	<.01	.06	8	<.2	<10	1.9	.8	<.5	25	<1	<1
P#154	4.1	141.3	68.8	3.5	460	28	27	37	3.14	1.1	8	<2	2	.09	.2	232.9	1	.01	.002	1	26	.01	8	<.01	<3	.02	<.01	.08	<2	<.2	11	1.4	12.2	<.5	619	1	1
P#155	6.8	121.5	12.7	3.0	332	26	13	39	2.42	1.7	9	2	2	.03	.2	31.5	<1	.03	.004	1	26	.01	10	<.01	<3	.02	.01	.10	303	<.2	<10	.7	12.9	<.5	431	1	1
STANDARD D2/C3/FA100S	23.3	118.9	93.0	269.8	1946	30	16	1042	4.22	79.6	30	19	58	1.92	8.8	18.2	71	.70	.104	16	53	1.08	259	.12	29	2.25	.05	.65	13	2.4	892	.6	1.8	7.5	50	49	48

ICP - 5 GRAM SAMPLE IS DIGESTED WITH 30 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.
- SAMPLE TYPE: ROCK AU** PT** PD** ANALYSIS BY FA/ICP FROM 30 GM SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 8 1998 DATE REPORT MAILED: Sept 16/98 SIGNED BY. C. Leong .D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Assay gold > 1000 ppb in progress

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

Barker Minerals Limited File # 9803910R

22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	Au** oz/t
P#79A	.069

AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
- SAMPLE TYPE: ROCK PULP

DATE RECEIVED: SEP 18 1998 **DATE REPORT MAILED:** Sept 24/98 **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 EXTRACTION-ANALYSIS CERTIFICATE

Barker Minerals Limited File # 9804313

22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
0-09-98-#146	2.1	39.8	23.4	95.8	247	34	20	295	3.75	1.5	<5	12	22	.10	.2	2.6	51	.59	.073	31	63	.92	209	.10	4	1.31	.11	.77	<2	.4	12	.3	<.2	6.7	56	1	<1
1-09-98-#147	2.4	16.5	6.7	14.3	63	11	6	101	1.59	1.2	<5	5	10	.01	<.2	.2	10	.26	.124	10	29	.24	60	.02	8	.36	.02	.18	<2	.2	16	<.3	<.2	2.3	6	1	<1
1-09-98-#148	2.5	445.8	64.7	7.3	2497	60	53	103	10.74	2.0	<5	2	3	.07	1.2	632.8	1	.04	.001	1	21	.02	4	<.01	5	.02	.01	.01	8	.3	<10	3.1	22.2	.6	9130	2	4
7-09-98-#149	2.7	68.8	728.1	79.3	3830	37	20	174	3.01	7.8	<5	4	5	1.35	.5	47.3	2	.15	.036	7	22	.09	31	<.01	4	.18	.02	.08	<2	.2	13	1.3	1.1	1.1	49	<1	<1
7-09-98-#150	2.0	15.0	97.0	96.1	721	14	6	223	1.31	1.6	<5	4	20	.75	.2	2.9	19	.36	.020	11	38	.30	126	.04	4	.38	.04	.27	4	.3	<10	<.3	<.2	2.9	12	1	<1
7-09-98-#151	3.1	126.0	657.5	6.4	11040	14	18	53	4.42	5.2	<5	<2	1	1.53	2.2	1067.6	1	.01	<.001	1	20	<.01	10	<.01	3	<.01	.01	.01	<2	.5	10	1.0	1.6	<.5	118	<1	<1
7-09-98-#152	2.7	125.1	54.1	29.8	417	76	47	95	5.51	1.5	<5	6	5	.08	.2	5.5	8	.06	.017	7	35	.33	16	<.01	9	.54	.06	.08	6	.2	<10	1.0	.2	2.7	4	2	<1
7-09-98-#153	1.0	75.3	19.0	72.2	260	47	26	952	5.15	4.2	<5	14	146	.49	<.2	1.2	30	4.80	.041	32	28	1.01	80	.01	6	2.05	.07	.23	<2	<.2	<10	1.3	<.2	6.0	2	1	1
E 27-09-98-#153	.9	75.9	19.8	74.0	254	48	27	971	5.32	4.5	<5	14	151	.51	<.2	1.1	32	4.94	.043	33	31	1.05	85	.01	4	2.13	.07	.24	<2	<.2	<10	1.1	<.2	6.0	1	1	<1
7-09-98-#154	3.0	321.4	16.3	2.9	510	86	31	112	4.57	15.8	7	9	5	.04	.5	7.7	2	.18	.055	7	21	.05	5	<.01	36	.13	.01	.04	7	<.2	13	.7	.3	.8	10	1	1
8-09-98-#155	1.8	123.8	5.5	155.2	96	53	19	3863	6.05	1.2	<5	2	67	.53	<.2	.4	44	2.27	.073	8	27	.83	39	<.01	5	.82	.01	.05	<2	<.2	11	6.0	<.2	3.1	5	3	7
8-09-98-#156	4.3	378.3	9.5	284.6	384	141	22	8246	15.60	<.5	<5	<2	170	.95	<.2	.2	96	5.90	.422	11	31	1.80	98	.01	<3	1.19	.02	.13	<2	<.2	21	14.2	.3	4.2	9	2	10
8-09-98-#157	3.8	99.0	10.7	85.9	94	130	43	266	4.50	2.1	7	5	16	.26	<.2	<.2	15	.35	.027	8	24	.43	34	.01	8	.69	.02	.06	<2	<.2	<10	4.5	.2	2.8	1	1	<1
8-09-98-#158	13.0	43.7	6.1	133.6	67	39	11	189	2.25	.9	6	11	33	1.70	<.2	<.2	64	.21	.051	17	31	.52	175	.03	3	1.02	.05	.28	3	.3	<10	3.7	<.2	3.6	2	2	2
STANDARD D2/C3/FA100S	23.3	118.3	97.8	249.7	1918	31	16	992	4.08	74.5	21	22	52	2.07	8.7	17.6	70	.68	.104	16	54	1.10	242	.11	33	2.21	.04	.65	13	2.1	881	.5	1.9	7.1	55	46	44

ICP - 5 GRAM SAMPLE IS DIGESTED WITH 30 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.
- SAMPLE TYPE: ROCK AU** PT** PD** ANALYSIS BY FA/ICP FROM 30 GM SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 29 1998 **DATE REPORT MAILED:** Oct 8/98 **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 ... Accredited Co.)

GEOCHEMICAL EXTRACTION-ANALYSIS CERTIFICATE

Barker Minerals Limited File # 9804528

22117 - 37A Avenue, Langley BC V2Z 1N9

MPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
-10-98-#159	.7	48.2	5.3	16.4	131	21	9	246	1.92	<.5	<5	16	12	.06	.4	2.7	8	.40	.049	37	17	.20	67	.01	<3	.39	.01	.24	2	<.2	<10	.3	<.2	1.0	21	2	9
-10-98-#160	1.1	197.7	30.9	11.2	525	40	34	91	7.10	.7	<5	<2	5	.15	<.2	83.8	3	.12	.013	3	21	.11	9	.01	5	.24	.01	.06	6	<.2	<10	1.4	8.0	<.5	254	<1	4
-10-98-#161	1.5	300.5	21.1	6.0	540	35	42	28	5.63	.5	<5	<2	1	.14	<.2	3.7	<1	<.01	<.001	<1	20	.01	2	<.01	<3	.02	<.01	<.01	5	<.2	<10	1.3	.5	<.5	14	<1	4
222	.6	27.7	18.2	2.1	254	9	14	169	1.89	11.4	<5	<2	8	.04	<.2	6.4	<1	.22	.003	1	18	.02	29	<.01	<3	.03	<.01	.01	5	<.2	<10	.6	<.2	<.5	2	<1	6
223A	1.5	30.2	45.7	7.1	747	7	6	237	1.52	1.4	<5	<2	42	.07	<.2	26.1	<1	.43	.113	2	17	.06	11	<.01	<3	.10	.05	.01	3	<.2	<10	.7	.6	.5	<1	<1	<1
223B	.9	146.1	3241.1	29.5	80374	15	23	1329	7.62	<2.5	<5	2	89	4.61	6.2	2628.7	4	1.90	.027	5	5	.55	83	.01	<3	.25	.03	.09	5	1.2	<10	13.7	24.6	<2.5	68	<1	<1
224	1.6	253.5	859.0	2.1	14400	39	35	49	8.10	65.9	10	<2	1	1.09	16.2	971.2	<1	.01	<.001	<1	18	.01	2	<.01	<3	<.01	<.01	.01	5	.4	<10	4.7	6.8	<.5	56	<1	5
P#224	1.5	249.7	851.7	1.7	14668	39	35	48	7.99	61.0	<5	<2	1	1.34	16.9	965.9	<1	.01	.001	<1	18	.01	2	<.01	<3	.01	<.01	<.01	6	.5	<10	5.6	7.2	<.5	57	<1	6
372	.8	682.9	21.0	10.8	1137	23	25	52	3.68	1.2	<5	<2	1	.06	.5	108.0	1	.03	.002	<1	26	.02	4	<.01	<3	.03	<.01	<.01	9	<.2	<10	2.0	59.8	<.5	86	<1	<1
372B	1.8	332.7	9.7	3.9	787	21	20	31	3.18	.9	<5	<2	<1	.02	.2	101.9	<1	<.01	.001	<1	26	<.01	1	<.01	<3	.01	<.01	<.01	6	.2	17	1.5	52.3	<.5	351	3	8
ANDARD D2/C3/FA100S	23.9	117.7	93.0	246.3	1992	29	16	978	4.21	69.4	18	21	55	2.09	9.1	18.4	70	.70	.104	17	51	1.07	247	.12	28	2.21	.04	.66	15	1.9	1006	.4	1.8	6.5	47	50	48

ICP - 5 GRAM SAMPLE IS DIGESTED WITH 30 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU,PB,ZN,AS>1500 PPM,Fe>20%.
- SAMPLE TYPE: ROCK AU** PT** PD** ANALYSIS BY FA/ICP FROM 15 GM SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 13 1998 DATE REPORT MAILED: Oct 20/98 SIGNED BY. ..... D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

Appendix 2.3 Correlation of Drill Logs with Laboratory Sample Nos.

Sample No.	Interval	Sample No.	Interval	Sample No.	Interval
98-01					
187002	31.0-32.55	187004	34.7-35.95	187007	43.8-45.0
187001	32.55-33.55	187005	35.95-36.22	187008	65.0-66.3
187003	33.55-34.7	187006	36.22-37.5	187009	100.6-100.65
98-02					
187010	43.65-44.50	187016	152.4-154.4	187022	179.6-180.55
187011	60.6-61.2	187017	165.94-166.08	187023	180.55-181.2
187012	73.2-75.0	187018	176.05-176.55	187024	181.2-181.45
187013	78.3-82.06	187019	176.55-178.1	187025	181.45-**182.0**
187014	111.5-112.35	187020	178.1-178.6		
187015	118.9-119.3	187021	178.6-179.6		
98-03					
187026	24.75-27.43	187042	43.7-45.5	187058	63.9-65.2
187027	27.43-29.5	187043	45.5-47.1	187059	65.2-67.0
187028	29.5-30.6	187044	47.1-48.3	187060	67.0-68.15
187029	30.6-31.6	187045	48.3-49.5	187061	68.15-70.4
187030	31.6-33.45	187046	49.5-50.5	187062	70.4-71.9
187031	33.45-35.4	187047	50.5-51.85	187063	71.9-73.45
187032	35.4-37.3	187048	51.85-53.15	187064	73.45-74.8
187033	37.3-39.05	187049	53.15-53.4	187065	74.8-76.2
187034	39.05-39.25	187050	53.4-54.86	187066	76.2-78.7
187035	39.25-39.50	187051	54.86-56.6	187067	78.7-79.2
187036	39.50-39.8	187052	56.5-58.25	187068	79.2-80.7
187037	39.8-40.0	187053	58.25-58.75	187069	80.7-82.3
187038	40.0-40.45	187054	58.75-60.4	187070	82.3-83.8
187039	40.45-41.6	187055	60.4-62.0	187071	83.8-85.34
187040	41.6-42.67	187056	62.0-63.2	187072	85.34-86.5
187041	42.67-43.7	187057	63.2-63.9		
98-04					
187073	18.6-20.6	187079	30.9-32.8	187085	85.4-87.3
187074	20.6-22.5	187080	32.8-34.4	187086	87.3-89.55
187075	22.5-24.38	187081	34.4-36.5	187087	99.1-100.1
187076	24.38-25.7	187082	36.5-37.6	187088	100.1-100.25
187077	25.7-27.4	187083	40.8-41.15	187089	100.25-101.8
187078	27.4-30.9	187084	43.8-45.5		

98-05
no samples

Appendix 2.3 Correlation of Drill Logs with Laboratory Sample Nos. (continued)

98-06

187090	6.0-7.92	187096	14.4-15.45	187102	106.25-106.6
187091	7.92-9.7	187097	15.45-16.59	187103	108.8-110.8
187092	9.7-11.0	187098	16.59-18.1	187104	110.8-111.1
187093	11.0-12.04	187099	79.0-80.1	187105	111.1-112.45
187094	12.04-13.55	187100	86.1-86.86	187106	113.2-113.8
187095	13.55-14.4	187101	97.0-97.3		

98-07

187107	16.9-18.35	187126	53.6-54.43	187144	76.75-77.75
187108	18.35-19.08	187127	54.43-55.18	187145	77.75-78.67
187109	19.08-19.76	187128	55.18-56.7	187146	78.67-79.04
187110	19.76-20.8	187129	56.7-58.0	187147	79.04-79.4
187111	20.8-21.93	187130	58.0-58.7	187148	79.4-80.73
187112	21.93-22.06,	187131	58.7-60.75	187149	80.73-81.96
	22-16-22.26	187132	60.75-62.3	187150	81.96-82.96
187113	22.06-22.16	187133	62.3-63.45	187151	82.96-84.50
187114	22.26-23.34	187134	63.45-64.9	187152	84.50-86.0
187115	23.34-23.87	187135	64.9-66.24	187153	86.0-87.55
187116	23.87-24.58	187136	66.24-67.9	187154	87.55-89.13
187117	24.58-26.1	187137	67.9-69.8	187155	89.13-90.1
187118	26.1-26.53	187138	69.8-71.1	187156	90.1-91.88
187119	26.53-27.7	187139	71.1-73.15	187157	91.88-93.6
187120	47.17-48.9	187140	73.15-74.2	187158	(113.2-15.21)-
187121	48.9-49.45	187141	74.2-75.3		(114.0-114.35)
187122	49.45-50.45	187142	(75.3-75.4) +	187159	114.0-114.35
187123	50.45-51.4		(75.97-76.02)	187160	115.21-116.1
187124	51.4-52.2	187143	(75.4-76.75) -	187161	116.1-117.49
187125	52.2-53.6		(75.97-76.02)		

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 EXTRACTION-ANALYSIS CERTIFICATE

Barker Minerals Limited File # 9805139 Page 1

22117 - 37A Avenue, Langley BC V2Z 1N9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
187001	4.0	122.8	21.6	8.9	298	32	25	289	5.17	1.6	5	<2	21	.05	<.2	3.4	2	.99	.014	2	24	.06	16	<.01	<3	.05	.01	.04	7	<.2	13	1.3	<.2	<.5	3	1	2
187002	1.0	50.3	7.4	58.0	96	44	19	400	3.54	<.5	<5	14	30	.04	<.2	.5	12	.75	.059	31	27	.85	84	.03	<3	1.44	.02	.40	<2	.3	<10	.3	<.2	3.7	3	1	<1
187003	1.3	65.6	5.6	72.6	172	50	24	309	5.30	<.5	<5	15	23	.04	<.2	1.4	17	.64	.045	38	31	1.00	200	.10	<3	1.41	.01	1.01	2	1.0	<10	.4	<.2	3.7	4	2	2
187004	1.0	38.4	3.7	76.6	88	52	25	209	4.84	<.5	<5	15	13	.02	<.2	.5	22	.27	.042	36	34	.98	166	.14	<3	1.79	.01	1.16	<2	1.3	<10	<.3	<.2	5.2	10	3	3
187005	4.7	24.0	8.5	3.9	66	4	3	475	1.00	.8	<5	<2	64	.05	<.2	.4	<1	1.84	.006	2	29	.14	15	<.01	<3	.05	.01	.04	8	<.2	<10	<.3	<.2	<.5	<1	2	4
187006	1.8	55.2	6.2	66.4	100	46	22	290	4.50	.7	<5	14	28	.04	<.2	1.1	19	.81	.041	33	33	.83	184	.12	<3	1.48	.01	1.00	<2	1.3	<10	.4	<.2	4.3	3	2	1
187007	4.1	29.6	6.0	4.6	65	10	3	819	2.06	1.5	9	3	58	.06	<.2	<.2	2	2.92	.006	3	26	.12	32	<.01	<3	.09	<.01	.05	7	<.2	<10	.3	<.2	.5	2	2	2
187008	4.6	10.0	17.4	12.6	206	10	5	307	1.22	.6	<5	4	29	.06	<.2	.3	2	1.05	.035	7	15	.10	23	<.01	<3	.21	.01	.04	<2	.2	<10	<.3	<.2	<.5	2	1	1
187009	5.3	653.9	18.6	15.1	644	27	39	2234	13.90	14.1	<5	<2	149	.09	.3	5.9	<1	6.13	.005	2	31	2.11	18	<.01	<3	.18	.01	.05	9	.3	<10	2.2	<.2	.7	78	1	3
187010	2.0	42.6	63.4	102.8	349	41	22	414	4.98	<.5	6	10	68	.13	<.2	.9	73	1.60	.117	25	59	.87	178	.11	<3	1.33	.05	.75	<2	.6	<10	.6	<.2	7.5	2	1	2
RE B 187010	1.9	40.3	62.0	104.2	348	42	23	418	5.02	<.5	<5	11	69	.12	<.2	.8	75	1.61	.117	25	57	.88	180	.11	<3	1.35	.05	.77	2	.6	<10	.6	<.2	7.5	1	<1	<1
RRE B 187010	1.6	40.7	51.9	101.2	285	40	22	401	4.87	<.5	<5	10	66	.12	<.2	.7	74	1.55	.117	26	57	.87	179	.11	<3	1.35	.05	.75	<2	.6	<10	.6	<.2	7.3	1	1	2
187011	2.3	43.5	136.1	172.3	205	38	23	797	4.87	<.5	<5	11	138	.30	<.2	.4	69	3.53	.109	31	61	.96	225	.17	<3	1.37	.06	1.07	<2	.7	<10	.6	<.2	7.9	1	1	1
187012	1.1	49.7	16.5	112.7	74	42	24	438	5.01	<.5	<5	7	73	.11	<.2	<.2	123	1.34	.094	21	89	1.12	210	.32	<3	1.83	.11	1.59	<2	.8	<10	.4	<.2	11.7	1	1	3
187013	1.0	32.0	8.2	113.6	115	42	24	428	5.30	<.5	<5	10	53	.07	<.2	.5	93	1.02	.093	26	76	1.12	116	.20	<3	1.63	.07	1.21	<2	.7	<10	.4	<.2	10.4	3	1	2
187014	1.3	23.3	5.0	127.5	90	48	24	451	5.22	<.5	<5	10	38	.09	<.2	.2	65	.66	.055	19	69	1.12	200	.15	<3	1.34	.04	1.08	<2	.5	<10	.4	<.2	7.4	<1	1	1
187015	1.9	22.1	10.0	20.1	116	11	5	250	1.40	<.5	<5	3	28	.08	<.2	<.2	4	.67	.054	8	12	.16	30	<.01	<3	.13	.01	.06	<2	<.2	<10	.4	<.2	.9	<1	<1	<1
187016	8.0	59.5	9.2	180.5	154	47	17	470	3.61	<.5	5	11	89	1.60	<.2	<.2	38	4.13	.087	31	27	.97	117	.05	<3	1.01	.02	.41	2	.3	<10	2.4	<.2	2.8	<1	<1	1
187017	467.6	12.8	14.7	15.1	<150	7	3	391	.75	<2.5	<5	<2	49	<.05	<1	<1	8	1.54	.009	3	22	.16	32	<.01	<3	.15	.02	.05	7	<1	<10	<1.5	<1	<2.5	6	1	1
187018	4.7	34.3	5.9	106.4	74	40	20	567	4.72	<.5	<5	12	87	.13	<.2	<.2	26	2.46	.056	17	42	1.48	59	.01	<3	2.26	.02	.16	2	<.2	<10	.6	<.2	6.4	<1	1	2
187019	12.0	205.9	7.1	59.8	196	49	15	1085	3.76	16.9	11	6	238	.23	.2	.8	30	4.51	.110	8	19	.95	106	<.01	5	.94	.02	.19	<2	<.2	11	2.0	<.2	2.9	9	<1	1
187020	3.0	56.5	7.7	34.2	134	31	16	632	3.53	<.5	<5	8	61	.12	<.2	1.5	8	1.69	.057	7	20	.79	100	<.01	<3	.91	.01	.24	4	<.2	<10	1.1	<.2	2.7	7	<1	<1
187021	2.6	133.6	95.0	34.9	1641	61	17	155	5.64	<.5	<5	11	30	.11	.3	43.4	5	.53	.066	12	13	.16	34	<.01	37	.28	.01	.08	<2	.3	<10	3.2	1.3	1.1	26	1	3
187022	1.8	75.2	9.2	26.8	189	41	18	721	4.11	<.5	5	10	62	.05	<.2	4.8	5	1.93	.064	7	14	.72	98	<.01	4	.57	.01	.25	2	<.2	<10	1.9	<.2	1.6	8	<1	2
RE B 187022	1.8	77.2	8.9	25.8	147	44	18	736	4.24	<.5	8	11	64	.05	<.2	3.8	4	1.98	.064	7	14	.74	103	<.01	<3	.60	.01	.27	3	<.2	<10	1.7	<.2	1.7	8	<1	2
RRE B 187022	1.2	83.6	8.4	28.5	125	47	20	722	4.36	<.5	<5	10	63	.05	<.2	3.8	4	1.96	.064	7	8	.75	95	<.01	3	.58	.01	.24	<2	<.2	<10	1.8	<.2	1.5	10	1	3
187023	7.2	207.8	27.2	15.8	647	73	17	134	7.37	<.5	<5	10	25	.05	<.2	13.1	4	.57	.086	8	19	.10	55	<.01	29	.29	.01	.14	5	<.2	24	5.2	.8	1.0	9	1	2
187024	2.2	203.4	110.2	8.0	1333	43	18	1041	5.03	3.4	9	<2	144	.08	.2	116.9	<1	4.00	.022	2	10	.22	10	<.01	8	.05	.01	.01	<2	<.2	<10	4.1	2.6	<.5	367	<1	5
187025	1.3	40.6	3.8	126.7	87	46	22	376	4.63	<.5	<5	10	27	.02	<.2	1.0	11	.59	.057	11	22	1.00	94	.01	<3	1.66	.02	.22	2	<.2	<10	1.3	<.2	4.9	5	<1	2
187026	10.9	40.4	15.2	94.5	150	44	18	359	4.06	<.5	<5	9	96	.12	<.2	.6	23	1.89	.048	9	21	.97	66	<.01	<3	1.23	.03	.16	<2	<.2	<10	1.3	<.2	4.2	1	1	2
187027	58.1	54.0	12.0	33.8	110	80	16	579	2.38	10.6	17	8	217	.23	<.2	.2	42	4.92	.043	9	12	.59	98	<.01	<3	.49	.01	.22	2	<.2	<10	.7	<.2	1.4	1	1	5
187028	1.9	25.9	17.8	80.1	76	27	12	697	2.98	31.2	5	9	404	.50	.2	<.2	2	9.72	.057	12	12	.81	84	<.01	<3	.46	.01	.20	<2	<.2	<10	.8	<.2	1.1	3	<1	1
187029	82.3	89.1	256.1	270.9	786	88	15	327	2.78	100.3	14	7	182	2.90	.5	2.8	58	4.21	.068	10	17	.54	116	<.01	<3	.51	.01	.20	6	<.2	<10	3.6	<.2	1.5	13	2	5
187030	7.8	55.2	38.7	101.2	238	33	16	498	3.91	52.9	<5	8	232	.68	.3	.6	11	4.56	.100	10	13	1.12	112	<.01	<3	.43	.04	.15	<2	<.2	<10	2.7	.2	1.7	10	<1	<1
STANDARD D2/C3/FA100S	24.7	122.0	102.9	250.8	1898	30	17	994	4.39	75.6	25	21	51	1.93	8.7	21.6	70	.71	.105	15	53	1.10	236	.11	28	2.23	.04	.66	13	2.0	1012	1.0	1.6	7.4	50	48	47

ICP - 5 GRAM SAMPLE IS DIGESTED WITH 30 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 100 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K GA AND AL. SOLUTION ANALYSED DIRECTLY BY ICP. MO CU PB ZN AG AS AU CD SB BI TL HG SE TE AND GA ARE EXTRACTED WITH MIBK-ALIQUAT 336 AND ANALYSED BY ICP. ELEVATED DETECTION LIMITS FOR SAMPLES CONTAIN CU;PB,ZN,AS>1500 PPM,Fe>20%.
- SAMPLE TYPE: CORE AU** PT** PD***ANALYSIS BY FA/ICP FROM 30 GM SAMPLE. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: NOV 23 1998 DATE REPORT MAILED: Dec 3/98 SIGNED BY. ..D. TOYE, C.LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Data FA

MPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
187031	44.1	22.1	84.4	84.6	578	38	11	394	2.72	18.0	<5	6	196	.55	.4	1.2	22	3.68	.050	8	16	.86	102	<.01	<3	.33	.04	.11	2	<.2	19	2.2	<.2	.8	1	1	2
187032	13.2	25.5	120.1	81.2	852	57	7	726	1.62	29.7	5	4	231	.88	.6	1.9	16	5.72	.030	5	6	.43	85	<.01	<3	.33	.02	.07	<2	<.2	13	1.1	.2	.7	1	1	2
187033	10.5	6.1	331.2	602.4	981	14	3	427	.81	14.7	<5	2	1311	7.05	.5	1.5	8	29.64	.050	5	3	.53	55	<.01	<3	.10	.01	.04	<2	<.2	<10	3.7	<.2	<.5	2	1	<1
187034	8.7	59.9	47.1	233.7	274	47	13	1612	4.28	98.9	<5	6	353	1.98	1.5	.6	52	7.11	.075	6	15	1.21	109	<.01	<3	.86	.02	.15	<2	<.2	16	2.8	<.2	2.6	41	1	3
187035	4.1	604.1	22.0	308.9	761	238	29	7619	19.14	774.9	<5	<2	339	1.66	2.0	1.1	167	6.33	.341	6	30	1.37	48	<.01	<3	.81	.01	.12	2	.2	22	16.1	.8	3.2	149	9	19
187036	22.2	85.2	55.6	201.6	5510	92	15	2684	5.55	135.9	<5	2	603	1.33	1.2	.6	53	10.46	.144	5	41	1.12	116	<.01	<3	.74	.01	.14	<2	<.2	19	4.3	.2	2.8	27	2	5
187037	7.8	467.4	42.1	345.0	1494	239	25	4777	18.70	396.2	6	2	290	2.15	3.1	1.9	163	5.46	.345	5	30	1.22	46	<.01	<3	1.14	.01	.14	2	<.2	19	17.6	.8	4.5	280	8	19
187038	3.0	70.0	13.5	169.6	235	44	16	6710	7.32	163.1	<5	<2	409	1.29	.6	.8	30	8.68	.145	5	6	1.78	136	<.01	<3	.91	.01	.16	<2	<.2	16	2.1	<.2	2.0	66	2	2
187039	4.1	241.5	56.7	142.1	556	91	31	3034	8.39	81.1	<5	<2	252	.68	.4	<.2	25	5.65	.166	2	11	1.56	85	<.01	<3	1.00	.01	.19	<2	<.2	12	5.1	<.2	2.0	39	<1	3
187040	51.1	102.1	76.6	411.3	486	74	14	1679	4.28	59.2	14	6	175	4.80	.6	.4	56	2.79	.248	6	23	.68	64	<.01	<3	.37	.06	.09	2	<.2	16	4.7	<.2	1.7	15	3	8
187041	79.0	247.0	76.8	519.2	673	122	15	2070	6.00	72.8	11	4	172	6.45	1.7	.5	56	2.85	.278	4	26	.66	57	<.01	<3	.58	.04	.06	<2	<.2	<10	6.2	.2	2.8	33	3	11
187042	4.2	214.1	158.3	875.1	886	105	29	6511	10.28	25.6	<5	<2	267	5.49	.4	1.0	169	4.72	.209	2	83	2.26	79	.01	<3	2.06	.02	.19	<2	<.2	10	6.9	<.2	6.9	9	1	8
B 187042	4.0	210.3	161.8	866.1	846	106	28	6451	10.14	26.3	<5	<2	263	5.72	.4	1.0	168	4.66	.206	2	83	2.22	79	.01	<3	2.01	.02	.18	<2	<.2	14	6.5	.3	6.9	8	2	8
E B 187042	3.7	206.5	170.5	893.9	977	100	27	6270	9.97	23.3	<5	<2	261	5.87	.4	1.0	166	4.59	.203	2	74	2.15	77	.01	<3	1.91	.02	.18	<2	<.2	11	6.6	.2	7.4	11	2	7
187043	5.4	47.7	72.7	290.6	358	107	19	2923	5.37	34.3	<5	3	231	.84	.4	.5	61	3.85	.152	3	90	1.78	94	.01	<3	.87	.03	.18	3	<.2	<10	3.6	<.2	3.2	2	2	5
187044	38.2	59.5	31.6	89.0	249	65	8	1222	3.49	28.6	8	4	146	.51	.4	.4	32	2.21	.251	4	26	.48	81	<.01	<3	.22	.05	.06	4	<.2	<10	3.2	<.2	1.1	5	3	7
187045	15.5	50.7	44.7	265.6	310	47	13	773	3.35	15.9	6	5	110	1.25	.2	.2	32	1.53	.038	6	18	.73	101	<.01	<3	.59	.04	.11	<2	<.2	<10	2.4	<.2	2.1	2	1	1
187046	11.1	58.1	6.6	151.4	184	59	18	646	3.23	23.5	10	6	66	.50	.2	<.2	14	1.32	.028	5	12	.49	126	<.01	<3	.40	.01	.25	4	<.2	<10	2.7	<.2	1.1	6	1	1
187047	86.2	31.5	77.0	156.3	332	55	9	552	2.00	1.9	13	5	122	1.51	.2	.9	87	1.81	.017	5	37	.60	112	.02	<3	.37	.06	.22	<2	<.2	24	1.4	<.2	2.4	<1	1	1
187048	51.5	39.2	35.2	319.7	281	33	9	980	2.44	7.8	<5	5	240	3.56	<.2	1.5	28	6.18	.045	4	17	.92	99	<.01	<3	.36	.04	.11	<2	<.2	<10	2.2	<.2	1.4	<1	1	1
187049	11.4	85.5	19.9	18.8	458	41	9	430	2.06	72.1	6	<2	56	.25	.2	4.5	1	1.04	.002	1	12	.26	12	<.01	<3	.05	.01	.01	<2	<.2	<10	2.0	<.2	<.5	48	<1	<1
187050	95.4	32.2	87.8	84.7	791	47	7	579	1.85	10.5	10	4	94	.95	.2	5.0	13	1.76	.020	6	18	.51	29	<.01	<3	.17	.05	.04	3	<.2	10	1.6	<.2	.5	5	2	3
187051	45.6	49.1	22.2	112.1	334	40	9	729	2.70	6.6	9	7	134	.96	.2	1.2	17	3.01	.097	6	10	.75	99	<.01	<3	.30	.02	.16	<2	<.2	13	3.5	<.2	.9	1	2	3
187052	86.9	69.3	22.2	62.5	395	50	11	918	3.24	1.8	8	6	108	.77	<.2	11.8	15	2.71	.145	8	15	.60	90	<.01	<3	.32	.03	.12	4	<.2	<10	3.3	<.2	1.1	<1	2	4
B 187052	89.4	72.6	20.4	65.5	389	53	12	947	3.38	1.8	9	7	112	.74	.2	11.0	15	2.82	.151	8	15	.63	94	<.01	<3	.34	.04	.12	4	<.2	<10	3.0	<.2	1.1	1	2	4
E B 187052	80.5	73.2	24.3	70.5	439	55	12	936	3.36	2.0	10	6	110	.86	.2	12.7	13	2.76	.148	8	10	.63	80	<.01	<3	.29	.03	.10	2	<.2	<10	3.3	<.2	1.4	1	2	6
187053	20.8	77.3	5.4	7.2	198	94	11	1486	4.57	29.9	<5	2	180	.16	.2	.6	3	5.87	.031	1	12	.15	10	<.01	17	.11	.01	.01	4	<.2	<10	4.2	<.2	<.5	28	1	5
187054	85.5	59.5	133.8	706.7	753	64	11	808	2.70	6.0	12	6	113	11.18	.3	4.3	69	2.52	.125	7	24	.57	173	.01	<3	.40	.03	.21	<2	<.2	16	4.7	.3	2.3	<1	2	5
187055	69.4	78.4	50.1	703.4	412	70	11	509	2.80	6.3	14	5	94	10.65	.2	1.4	65	1.82	.197	6	35	.57	116	.01	<3	.33	.04	.15	<2	<.2	10	4.8	<.2	1.7	<1	4	8
187056	57.4	133.4	24.2	710.5	442	79	14	759	4.23	9.2	14	5	92	12.66	.2	4.4	47	2.41	.244	7	16	.56	85	<.01	<3	.37	.04	.13	3	<.2	<10	5.2	<.2	1.6	<1	4	10
187057	24.4	111.2	5.6	58.2	382	64	25	475	5.28	11.2	16	5	71	.97	.8	1.7	15	1.23	.095	5	22	.71	67	<.01	<3	.67	.03	.08	6	<.2	<10	4.3	<.2	1.7	21	2	4
187058	10.2	62.7	8.9	68.8	209	43	12	1236	3.56	3.6	<5	8	185	.57	.2	1.3	8	5.14	.059	10	6	1.45	105	<.01	<3	.35	.02	.13	<2	<.2	10	1.4	<.2	.7	<1	1	<1
187059	5.6	70.1	33.8	154.9	344	46	12	1857	3.77	9.4	5	8	243	1.13	.2	1.8	28	6.70	.081	11	15	1.76	98	.01	<3	.46	.02	.20	<2	<.2	23	1.5	<.2	1.1	1	1	1
187060	2.1	67.6	17.7	95.9	155	46	14	1087	3.15	6.3	<5	8	221	.67	.2	<.2	180	5.32	.076	13	57	1.69	260	.13	<3	1.58	.03	1.01	<2	.3	<10	.7	<.2	8.4	<1	1	2
187061	2.9	87.7	12.9	69.7	300	50	18	1788	5.08	4.0	6	7	169	.39	.2	3.5	26	5.10	.090	12	16	1.76	100	.01	<3	.62	.03	.26	2	<.2	<10	1.8	<.2	2.1	<1	1	<1
ANDARD D2/C3/FA100S	21.1	116.4	93.8	242.7	2131	30	16	984	4.24	74.4	20	20	49	2.13	8.8	21.8	69	.70	.107	14	52	1.11	227	.10	28	2.27	.04	.63	13	2.3	1003	.6	2.3	8.0	46	45	45

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

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
B 187062	.6	62.4	14.1	91.1	529	44	26	514	6.03	2.2	<5	6	58	.24	<.2	4.7	85	.99	.046	8	41	1.09	66	.03	<3	.73	.07	.43	2	.5	20	3.8	<.2	3.9	1	1	2
B 187063	.8	86.0	9.0	145.5	248	42	22	688	5.01	1.1	5	6	77	.23	<.2	.7	146	1.30	.057	11	57	1.09	62	.09	<3	.99	.07	.69	<2	.5	12	2.7	.2	5.6	1	1	2
B 187064	.8	40.0	4.2	169.3	74	48	26	465	5.72	.8	<5	8	36	.06	<.2	<.2	96	.50	.050	12	47	1.17	126	.20	<3	1.82	.03	1.34	<2	1.0	18	1.0	<.2	6.3	1	1	1
B 187065	.4	56.5	16.0	118.1	287	40	22	601	5.07	7.1	<5	7	73	.19	<.2	2.5	91	1.16	.043	12	44	1.02	62	.05	<3	.79	.07	.47	<2	.4	12	2.5	<.2	3.8	1	<1	<1
B 187066	.7	40.9	6.9	112.5	67	43	21	545	4.37	1.6	<5	12	47	.12	<.2	<.2	53	.91	.041	24	34	.92	105	.14	3	1.35	.02	.97	<2	.8	11	.9	<.2	4.9	4	45	4
B 187067	4.8	48.0	19.1	159.5	152	51	23	677	5.48	1.0	7	10	79	.23	<.2	.2	152	1.42	.090	32	65	1.08	50	.13	<3	1.14	.06	.97	2	.6	11	3.7	.2	6.2	4	25	4
B 187068	7.7	99.6	16.7	112.7	129	51	17	1409	4.61	2.6	<5	6	193	.54	<.2	<.2	169	4.14	.130	20	53	1.38	99	.16	<3	1.33	.03	1.11	<2	.8	10	3.0	<.2	7.1	<1	2	5
B 187069	.6	50.0	9.0	242.5	152	42	24	360	5.13	3.0	<5	6	31	.14	<.2	<.2	136	.36	.058	14	52	1.22	65	.13	<3	1.32	.06	.95	<2	.7	14	2.9	<.2	7.5	3	45	3
B 187070	2.5	58.5	19.9	194.2	288	47	22	446	5.01	1.1	<5	6	52	.36	<.2	.5	83	.81	.072	9	37	1.08	120	.04	<3	.93	.04	.50	2	.5	<10	2.7	<.2	4.4	3	16	1
B 187071	5.7	42.7	3.3	151.4	75	45	22	193	4.37	.6	<5	13	16	.02	<.2	<.2	23	.20	.056	21	23	.94	125	.08	<3	1.66	.01	.66	2	1.0	<10	1.4	<.2	4.8	<1	1	2
B 187072	1.1	30.8	4.0	121.6	95	36	17	188	3.47	<.5	<5	14	22	.02	<.2	<.2	10	.27	.068	31	23	.77	84	.03	<3	1.47	.01	.33	<2	.3	<10	.7	<.2	3.7	1	1	2
RE B 187072	.9	30.2	4.1	121.4	67	36	17	183	3.49	<.5	<5	15	22	.01	<.2	<.2	10	.28	.068	30	22	.78	84	.03	<3	1.49	.01	.32	<2	.3	18	.7	<.2	3.7	2	1	3
RRE B 187072	.9	30.9	4.1	126.7	31	37	18	190	3.56	<.5	<5	15	23	.01	<.2	<.2	10	.28	.070	32	22	.80	89	.03	<3	1.55	.01	.34	2	.3	11	.8	<.2	3.8	<1	1	2
B 187073	31.7	31.8	33.4	109.9	121	49	13	308	3.03	15.7	11	7	190	.53	<.2	.2	98	3.42	.048	12	31	.84	126	.02	<3	.63	.05	.20	2	<.2	<10	1.9	<.2	3.6	3	1	3
B 187074	3.0	34.2	17.3	141.1	135	34	22	454	4.19	63.5	<5	9	158	.36	<.2	.2	15	2.67	.083	11	15	.93	89	<.01	<3	.82	.02	.17	<2	<.2	<10	2.4	<.2	2.8	12	<1	<1
B 187075	2.8	36.9	21.1	132.9	270	37	22	408	4.82	72.3	<5	9	155	.37	.4	.2	21	2.87	.079	12	13	.96	88	<.01	<3	.96	.03	.23	2	<.2	<10	1.9	<.2	3.3	15	<1	<1
B 187076	24.5	25.8	183.3	228.1	1419	32	10	937	2.38	79.8	<5	4	717	2.28	.5	15.2	18	12.29	.070	6	15	.62	117	<.01	<3	.42	.01	.12	3	<.2	15	3.3	.2	1.0	27	2	3
B 187077	52.2	36.5	69.9	232.3	601	41	9	935	3.26	83.2	<5	3	154	2.03	.8	1.8	14	3.04	.131	4	12	.62	70	<.01	<3	.49	.03	.08	4	<.2	<10	3.6	<.2	1.6	31	2	6
B 187078	19.9	177.3	68.0	737.8	486	66	19	2123	5.93	193.9	5	6	230	5.79	.5	2.3	37	5.32	.194	5	16	1.23	80	<.01	<3	.76	.01	.22	<2	<.2	16	5.9	<.2	2.3	111	2	9
B 187079	104.6	64.3	99.1	62.0	660	44	10	592	2.32	96.0	<5	8	163	.84	.4	1.9	34	4.29	.694	11	28	.73	94	<.01	<3	.34	.06	.15	4	<.2	<10	4.2	<.2	2.1	14	4	10
B 187080	170.4	79.7	165.8	84.3	1132	52	10	865	2.80	91.1	<5	6	199	1.41	.4	2.9	28	5.74	.782	6	22	.76	80	<.01	<3	.99	.03	.09	3	<.2	<10	4.5	<.2	4.0	25	6	16
B 187081	59.7	137.6	35.2	53.0	300	49	16	1181	4.14	83.5	<5	9	156	.40	.2	1.0	15	3.62	.117	10	13	.92	132	<.01	<3	.67	.03	.20	2	<.2	<10	1.5	<.2	1.7	31	2	7
B 187082	4.6	38.5	28.2	92.8	50	37	15	770	3.57	16.5	<5	10	211	.44	<.2	.2	11	7.31	.087	8	22	.85	87	<.01	<3	1.45	.01	.19	2	<.2	15	1.1	<.2	3.4	2	1	3
B 187083	10.4	73.1	18.0	27.4	346	36	12	983	2.51	17.4	<5	2	143	.25	.2	5.0	6	4.41	.080	2	11	.15	48	<.01	11	.21	.01	.08	4	<.2	<10	2.3	.3	.6	11	2	6
B 187084	37.7	82.3	64.6	63.4	714	52	15	784	4.19	3.3	<5	7	95	.46	<.2	2.3	13	2.53	.071	11	14	.74	73	<.01	<3	.67	.02	.15	2	<.2	<10	2.5	<.2	2.0	2	1	5
RE B 187084	35.6	78.7	65.6	62.1	689	50	15	769	4.08	2.7	6	7	92	.45	<.2	1.5	12	2.48	.070	10	14	.73	67	<.01	<3	.64	.02	.14	2	<.2	<10	2.4	<.2	1.4	4	2	3
RRE B 187084	35.0	79.7	67.4	61.0	655	51	15	760	4.09	2.5	5	7	92	.44	<.2	1.5	13	2.47	.070	11	13	.72	70	<.01	<3	.64	.02	.15	2	<.2	<10	2.2	<.2	1.2	2	1	3
B 187085	9.4	49.8	16.7	102.8	187	40	15	876	3.92	1.7	<5	6	172	.73	<.2	.3	26	4.45	.088	15	18	.91	75	<.01	<3	1.21	.01	.18	2	<.2	<10	1.3	<.2	3.4	5	1	2
B 187086	7.2	68.6	13.1	57.8	105	38	16	614	3.94	1.9	<5	6	87	.22	<.2	.3	18	2.68	.073	11	20	.90	69	<.01	<3	1.21	.02	.14	2	<.2	<10	.9	<.2	2.9	1	<1	<1
B 187087	42.0	24.1	30.4	77.3	350	46	15	624	4.34	<.5	<5	14	113	.27	<.2	.7	63	2.47	.106	46	48	1.16	91	.02	<3	.97	.06	.27	<2	.4	<10	.8	<.2	4.3	1	1	1
B 187088	2.2	79.7	21.3	56.7	286	39	32	2607	9.06	.8	<5	3	479	.98	<.2	.4	23	12.62	.186	11	8	2.68	50	<.01	<3	.49	.02	.08	<2	<.2	20	2.3	<.2	1.3	5	<1	<1
B 187089	2.6	39.8	15.9	102.9	144	43	21	846	4.87	<.5	<5	16	181	.29	<.2	.6	14	3.98	.097	42	20	1.27	72	.01	<3	1.59	.02	.21	<2	.2	19	.6	<.2	4.1	2	<1	<1
B 187090	3.6	29.5	9.5	193.3	<30	35	16	671	3.72	1.0	<5	10	187	.58	<.2	<.2	26	6.30	.058	11	36	1.29	95	<.01	<3	2.09	.02	.12	<2	<.2	<10	1.2	<.2	5.1	<1	1	1
B 187091	22.7	52.6	35.2	165.8	<30	40	11	783	3.06	20.6	<5	5	171	2.06	<.2	<.2	24	3.61	.060	7	14	.75	123	<.01	<3	.45	.03	.16	2	<.2	<10	2.7	<.2	1.0	2	<1	1
B 187092	25.2	195.4	45.2	266.9	451	81	22	3170	7.81	7.7	<5	5	204	1.82	<.2	2.2	147	4.03	.194	12	49	1.25	72	.02	<3	.96	.04	.21	2	.2	17	7.7	<.2	5.6	3	3	6
STANDARD D2/C3/FA100S	24.7	123.5	95.3	260.8	2116	30	17	999	4.31	80.0	23	21	51	2.08	8.8	23.1	68	.72	.105	15	51	1.10	238	.11	28	2.28	.04	.65	14	2.4	918	1.1	2.4	7.2	46	45	45

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

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
B 187093	16.5	78.6	63.7	104.1	647	59	19	666	3.85	2.6	6	8	93	1.10	<.2	3.1	29	2.01	.130	9	19	.72	97	.01	<3	.44	.05	.20	2	<.2	<10	3.9	<.2	2.3	2	2	4
B 187094	3.9	36.8	13.4	80.0	61	41	16	675	3.96	7.3	<5	8	203	.37	<.2	<.2	39	6.37	.092	10	33	1.98	120	.11	<3	2.16	.01	.95	<2	1.0	<10	.9	<.2	7.7	3	2	3
B 187095	2.0	43.4	7.3	134.7	106	46	26	372	5.22	5.6	<5	12	27	.10	<.2	<.2	33	.94	.073	19	38	1.16	84	.06	<3	2.19	.03	.50	2	.5	<10	1.1	<.2	7.4	<1	2	1
B 187096	1.5	36.2	4.5	122.8	83	46	22	620	4.67	<.5	<5	13	64	.18	<.2	<.2	29	2.63	.129	20	29	1.06	139	.11	<3	1.76	.02	.94	2	.9	<10	1.2	<.2	5.6	<1	1	<1
B 187097	.3	76.9	64.6	164.3	425	48	27	314	5.82	.6	<5	11	28	.88	<.2	.8	74	.55	.052	21	46	1.06	61	.04	<3	.99	.06	.58	<2	.6	<10	2.9	<.2	5.4	1	<1	<1
B 187098	1.1	41.9	6.0	125.3	79	43	23	410	5.11	6.0	<5	12	28	.09	<.2	<.2	54	.67	.052	21	37	1.02	169	.13	<3	1.73	.02	.99	<2	1.1	<10	1.2	<.2	7.3	<1	1	<1
B 187099	1.1	60.5	13.6	109.2	214	48	22	628	5.73	<.5	<5	13	58	.13	<.2	.3	30	1.39	.054	25	37	1.12	61	.03	<3	2.09	.04	.30	2	.4	19	1.0	<.2	8.2	2	1	<1
B 187100	3.4	25.5	17.0	110.3	191	57	20	1242	5.06	8.3	<5	7	201	.23	<.2	.4	26	3.61	.095	9	43	1.60	38	<.01	<3	1.94	.01	.11	2	<.2	<10	.6	<.2	6.4	4	3	1
B 187101	1.2	72.8	3.5	7.4	70	28	13	170	1.51	<.5	<5	<2	13	.04	<.2	<.2	2	.35	.006	2	16	.09	6	<.01	<3	.08	<.01	.02	5	<.2	22	.6	<.2	.8	2	1	3
B 187102	4.6	49.7	16.6	10.1	318	41	16	231	1.85	<.5	<5	8	22	.03	<.2	1.3	3	.43	.014	14	15	.18	25	<.01	5	.31	.01	.09	3	<.2	<10	.4	<.2	1.1	14	1	1
B 187103	1.5	13.6	3.0	7.1	97	8	4	200	.78	.7	<5	<2	13	.03	<.2	.5	1	.34	.015	2	22	.13	5	<.01	<3	.07	<.01	.01	5	<.2	<10	<.3	<.2	.5	6	1	<1
B 187104	2.9	79.1	15.1	21.1	384	75	23	300	4.64	4.5	8	11	35	.04	<.2	7.2	8	.69	.041	7	22	.44	50	<.01	7	.88	.01	.21	3	<.2	<10	.8	.2	3.0	12	2	2
RE B 187104	3.2	83.5	16.0	22.1	397	80	25	314	4.91	4.7	5	11	37	.04	<.2	7.9	8	.72	.045	7	23	.46	52	<.01	9	.93	.01	.21	3	<.2	<10	.9	.2	3.0	11	1	<1
RRE B 187104	3.1	80.5	16.4	21.2	417	76	24	300	4.76	4.9	6	11	36	.04	<.2	8.1	7	.70	.043	7	19	.45	49	<.01	8	.89	.01	.20	3	<.2	<10	.9	.2	3.2	12	2	1
B 187105	1.8	24.9	5.5	17.6	117	15	11	712	2.10	<.5	<5	4	63	.12	<.2	1.0	4	1.56	.011	7	23	.68	28	<.01	4	.45	.01	.11	5	<.2	13	<.3	<.2	1.7	1	1	1
B 187106	1.7	61.4	17.6	96.2	319	63	34	373	5.60	3.5	<5	10	38	.07	<.2	1.2	18	.67	.050	10	26	1.33	50	<.01	<3	2.28	.01	.23	<2	<.2	15	1.0	<.2	7.7	3	3	3
B 187107	2.1	30.8	13.5	94.5	48	32	21	568	3.71	.8	<5	15	33	.04	<.2	<.2	32	.61	.080	37	30	.71	148	.10	<3	1.15	.02	.75	<2	.4	<10	.4	<.2	5.1	1	2	4
B 187108	1.6	32.1	14.5	104.4	57	32	23	679	4.29	1.1	6	11	40	.05	.2	.2	65	.57	.078	23	60	.82	226	.15	<3	1.11	.07	.75	<2	.5	10	.3	<.2	8.7	1	1	1
B 187109	1.9	20.6	11.8	98.9	93	33	20	522	4.02	1.1	<5	14	39	.05	.2	.2	56	.76	.080	34	47	.91	203	.11	<3	1.30	.06	.79	<2	.5	<10	.3	<.2	7.8	<1	1	<1
B 187110	.4	22.4	22.3	114.8	88	34	21	362	4.47	<.5	<5	13	34	.04	<.2	.2	81	.74	.083	27	58	1.10	296	.19	<3	1.81	.06	1.30	<2	.7	17	.3	<.2	9.3	1	1	<1
B 187111	1.1	27.2	7.9	94.5	42	35	20	340	3.72	<.5	<5	13	31	.03	<.2	<.2	29	.66	.081	29	24	.85	181	.19	<3	1.81	.01	1.39	<2	.9	<10	.3	<.2	5.3	<1	<1	<1
B 187112	.7	21.6	10.7	103.0	52	39	22	366	4.21	<.5	<5	11	42	.04	<.2	<.2	86	.69	.088	18	70	1.03	323	.24	<3	1.78	.06	1.41	<2	.9	<10	.3	<.2	11.5	<1	1	<1
B 187113	.4	6.7	10.3	34.1	<30	7	5	810	1.85	<.5	<5	<2	199	.16	<.2	<.2	27	2.89	.025	2	10	.43	228	.09	<3	.55	.01	.42	3	.2	<10	<.3	<.2	4.3	<1	<1	<1
B 187114	1.3	22.1	6.7	89.5	43	31	19	444	3.32	<.5	<5	12	38	.04	<.2	<.2	31	.81	.084	27	27	.72	188	.17	6	1.52	.02	1.12	<2	.8	<10	.3	<.2	5.8	<1	<1	<1
B 187115	1.7	14.9	32.1	89.5	158	31	20	453	4.58	.8	<5	7	100	.04	<.2	.4	69	1.18	.086	16	61	.95	108	.20	<3	1.30	.10	.95	<2	.5	<10	.3	<.2	8.2	41	7	13
B 187116	1.0	19.9	16.9	72.7	126	23	18	662	3.88	2.9	<5	10	100	.07	.2	.2	13	1.52	.096	15	15	.67	116	.01	<3	.98	.02	.24	<2	.2	<10	<.3	<.2	3.8	2	<1	<1
RE B 187116	.8	19.3	19.4	73.3	132	23	18	648	3.81	2.4	<5	9	98	.07	.2	.3	12	1.51	.094	13	12	.67	113	.01	<3	.96	.02	.23	<2	.2	<10	.3	<.2	3.2	1	6	3
RRE B 187116	.7	20.6	17.0	70.9	90	22	18	661	3.88	3.1	<5	11	100	.07	.2	.2	12	1.52	.094	15	13	.67	118	.01	<3	.98	.02	.24	<2	.2	<10	<.3	<.2	2.8	1	<1	<1
B 187117	1.0	19.8	12.0	93.6	34	29	19	380	3.51	<.5	<5	13	36	.03	<.2	<.2	22	.84	.087	25	20	.79	143	.10	<3	1.63	.02	.81	<2	.4	<10	<.3	<.2	4.9	<1	<1	<1
B 187118	1.2	19.2	33.4	91.2	145	29	21	374	4.06	<.5	<5	12	43	.06	<.2	.3	72	.90	.087	21	64	.97	305	.13	<3	1.30	.07	.87	2	.6	<10	.3	<.2	8.3	1	2	<1
B 187119	1.1	25.0	19.7	89.9	125	30	20	375	4.02	<.5	<5	14	27	.04	<.2	.2	32	.91	.082	29	27	.85	203	.13	<3	1.77	.03	1.03	<2	.5	<10	<.3	<.2	6.4	8	2	2
B 187120	1.7	21.8	28.9	85.5	144	29	15	447	3.19	.6	<5	10	237	.27	<.2	.4	56	5.48	.045	16	48	1.28	230	.11	<3	1.38	.04	.96	<2	.6	17	.6	<.2	6.5	<1	1	<1
B 187121	1.2	13.6	22.0	81.5	<30	28	15	499	3.14	<.5	<5	10	357	.35	<.2	<.2	58	8.06	.039	16	48	1.53	550	.18	<3	1.79	.04	1.51	<2	.9	18	.3	<.2	9.9	<1	2	<1
B 187122	.8	15.3	17.3	83.5	55	27	16	478	3.18	<.5	<5	9	350	.32	<.2	<.2	46	7.55	.034	11	41	1.57	296	.16	<3	1.72	.03	1.37	<2	.7	<10	<.3	<.2	8.8	<1	1	<1
B 187123	17.0	56.0	14.7	69.5	140	46	17	208	3.21	1.5	<5	7	84	.10	<.2	.2	104	1.21	.039	12	45	.87	72	.08	<3	.99	.05	.62	<2	.3	13	1.1	<.2	6.3	1	1	<1
STANDARD D2/C3/FA100S	25.4	119.0	103.8	270.4	2094	31	18	1023	4.32	82.0	26	22	51	2.11	8.7	20.4	68	.70	.107	15	51	1.08	233	.11	27	2.28	.04	.65	14	2.5	1035	1.0	2.4	7.8	48	45	44

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

Data FA

MPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
187124	1.3	25.2	12.3	107.7	59	36	19	288	4.26	4.0	7	8	94	.12	<.2	<.2	81	1.45	.061	10	63	1.33	136	.08	<3	1.18	.07	.46	<2	.3	12	1.3	.2	9.0	1	1	<1
187125	1.2	14.2	35.8	91.7	115	28	15	514	3.32	2.4	<5	8	362	.34	<.2	.2	48	7.28	.045	9	35	1.54	189	.05	<3	.80	.04	.43	<2	.3	<10	.6	<.2	5.7	1	<1	<1
187126	1.7	18.8	32.1	56.8	79	24	12	484	2.48	.6	<5	8	336	.36	<.2	<.2	9	10.25	.039	9	10	1.12	76	.02	4	.94	.01	.31	<2	.2	14	.4	<.2	2.5	1	1	<1
187127	2.4	30.0	14.7	57.4	58	29	14	454	2.78	<.5	<5	9	239	.28	<.2	<.2	15	8.50	.046	10	26	1.30	85	.02	<3	1.58	.02	.31	<2	.2	<10	.5	<.2	4.9	1	<1	<1
187128	8.1	26.3	33.7	74.8	188	28	15	404	3.05	7.7	<5	9	338	.35	<.2	.3	16	8.45	.041	11	17	1.40	153	.03	4	.74	.02	.41	<2	.3	<10	.5	<.2	3.4	2	1	2
187129	.9	9.9	31.7	105.3	111	30	15	522	3.28	2.1	<5	9	327	.38	<.2	.2	64	6.33	.043	15	45	1.64	346	.11	<3	.98	.05	.81	<2	.6	<10	.4	<.2	6.5	1	1	2
187130	8.4	21.3	126.6	66.8	1141	53	15	286	3.26	9.3	8	10	116	.20	.2	3.0	51	1.49	.077	18	41	.98	125	.05	<3	.50	.07	.36	2	.3	10	1.3	.2	3.6	2	1	4
187131	11.2	15.7	19.3	38.1	174	36	14	811	3.80	28.6	<5	7	241	.25	.3	.7	20	4.87	.039	11	9	1.25	157	<.01	11	.25	.04	.17	<2	<.2	<10	.7	<.2	1.5	3	4	4
187132	3.3	43.2	4.8	30.3	75	35	15	963	3.48	41.6	<5	9	234	.20	.2	<.2	7	5.14	.054	9	4	1.43	112	<.01	<3	.30	.02	.18	<2	<.2	<10	.5	<.2	.8	3	1	1
187133	3.6	53.9	3.8	33.9	107	34	14	1090	2.73	21.9	<5	8	156	.18	<.2	.2	5	3.68	.073	10	13	1.04	117	<.01	<3	.42	.01	.23	3	<.2	<10	.5	<.2	1.0	3	2	3
187134	1.2	43.7	13.5	62.0	157	31	14	818	3.04	14.6	<5	7	266	.33	.7	.2	16	7.21	.056	11	11	1.30	108	.01	<3	.42	.02	.22	<2	.2	<10	.6	<.2	1.8	3	<1	1
B 187134	1.1	43.6	14.6	62.9	174	31	15	822	3.08	14.5	<5	7	270	.35	.7	.2	16	7.30	.055	11	9	1.32	111	.01	<3	.43	.02	.22	<2	.2	10	.6	<.2	1.8	1	2	7
E B 187134	1.1	43.1	14.1	63.9	166	32	15	843	3.11	14.2	<5	8	276	.33	.7	<.2	17	7.45	.057	11	12	1.34	114	.01	<3	.44	.02	.22	<2	.2	<10	.6	<.2	1.8	5	2	4
187135	.8	93.4	8.5	66.2	120	49	25	648	6.00	24.5	<5	7	136	.33	.3	.2	79	2.06	.061	13	41	1.37	81	.03	<3	.70	.08	.32	2	.3	<10	1.7	<.2	4.4	2	1	<1
187136	5.1	52.9	12.1	103.6	85	34	16	1137	4.44	14.8	<5	4	263	.42	.2	<.2	108	5.24	.104	7	39	1.88	145	.09	<3	.91	.05	.63	2	.4	<10	1.0	<.2	5.4	2	1	3
187137	15.5	83.0	42.8	87.9	245	49	20	802	5.05	14.4	<5	6	278	.55	.3	.5	125	5.50	.124	8	38	1.68	90	.06	<3	.68	.05	.54	<2	.5	<10	2.6	<.2	4.9	1	2	3
187138	1.2	72.0	21.7	183.8	154	46	24	808	5.60	6.0	<5	8	105	.41	<.2	.2	138	1.66	.069	13	54	1.26	105	.14	<3	1.22	.06	.90	<2	.6	<10	2.0	<.2	7.5	2	1	3
187139	1.2	47.6	8.2	119.5	89	42	23	674	5.20	4.5	<5	9	51	.21	<.2	.2	128	.81	.050	17	63	1.12	147	.14	<3	1.17	.09	.78	<2	.5	<10	1.1	<.2	7.7	3	1	<1
187140	.4	45.9	7.2	107.8	119	38	18	622	4.12	3.9	<5	11	55	.21	<.2	.6	79	.99	.043	17	46	.92	134	.07	<3	.86	.06	.43	<2	.3	14	.7	<.2	6.7	3	<1	<1
187141	.4	91.9	5.1	83.7	146	45	23	830	5.46	10.3	<5	9	85	.21	.2	1.9	63	1.64	.065	10	33	1.04	99	.02	5	.86	.05	.27	<2	.2	<10	1.5	<.2	5.1	5	2	2
187142	3.1	180.8	249.8	16.9	3404	69	52	2966	9.89	33.6	<5	2	116	.37	.7	238.3	1	4.13	.012	1	14	1.47	38	<.01	<3	.14	.01	.11	6	.3	10	4.6	.7	.8	48	2	3
187143	.8	49.7	6.4	66.9	120	46	23	826	4.64	8.3	<5	10	47	.15	<.2	1.2	18	1.12	.065	15	19	.90	65	.01	<3	1.09	.01	.34	<2	.2	12	.8	<.2	3.7	3	1	<1
187144	.8	70.7	15.7	29.4	291	46	19	959	4.40	4.8	<5	11	53	.10	<.2	2.3	9	1.39	.062	14	12	.63	68	.01	<3	.53	.02	.34	2	.2	<10	1.2	<.2	1.8	5	4	12
187145	1.5	151.4	17.1	39.1	467	66	21	1935	7.26	5.9	<5	9	86	.15	<.2	6.5	39	2.63	.126	16	21	1.13	106	.01	<3	.59	.04	.34	2	.3	13	3.0	<.2	2.4	4	2	5
187146	16.3	29.3	14.2	316.5	211	49	24	3975	7.14	<.5	<5	<2	241	.71	<.2	.7	380	6.09	.073	3	139	2.58	694	.46	4	2.79	.04	2.27	<2	1.7	12	1.5	<.2	15.2	1	1	<1
B 187146	16.9	31.5	12.8	317.5	207	48	24	4052	7.17	<.5	<5	<2	246	.65	<.2	.7	385	6.24	.074	2	145	2.62	652	.45	<3	2.85	.03	2.31	<2	1.6	<10	1.2	<.2	14.5	2	1	3
E B 187146	17.0	28.3	13.0	317.8	198	48	23	3968	7.00	<.5	<5	<2	240	.64	<.2	.7	375	6.09	.073	2	139	2.56	662	.45	3	2.78	.04	2.25	<2	1.6	<10	1.2	<.2	14.6	1	2	1
187147	11.0	537.5	36.4	126.8	1193	247	44	3553	20.64	<.5	<5	2	230	.88	<.2	15.2	164	6.15	.657	12	49	1.61	129	.07	<3	.94	.02	.66	2	.6	18	15.9	.2	6.6	6	12	20
187148	10.9	91.2	28.3	231.8	457	73	13	1401	5.43	8.5	8	7	127	3.78	.2	3.3	71	2.93	.192	12	41	.99	87	.03	<3	.54	.06	.36	2	.3	<10	4.9	<.2	2.9	<1	2	5
187149	.5	22.9	8.9	155.4	180	46	20	368	4.90	1.8	<5	11	39	.34	<.2	.9	70	.60	.088	16	36	1.27	185	.06	<3	1.18	.06	.69	<2	.7	<10	1.3	<.2	6.5	1	<1	<1
187150	.7	33.7	9.9	129.8	158	37	17	569	4.45	4.0	<5	10	69	.30	<.2	.6	47	1.38	.079	12	28	1.22	132	.05	<3	.83	.05	.45	<2	.4	<10	1.9	<.2	4.5	2	1	<1
187151	23.1	53.0	57.7	108.4	357	55	17	401	3.91	9.2	<5	10	260	.89	<.2	.7	52	7.27	.213	16	24	.88	107	.02	<3	.56	.04	.31	<2	.3	<10	4.5	<.2	3.3	5	39	99
187152	74.9	43.7	375.7	459.7	2790	82	13	544	3.42	37.7	16	8	184	11.22	.4	9.1	56	3.65	.386	12	43	.78	89	.01	<3	.34	.06	.19	2	.2	<10	4.5	.4	2.0	5	7	14
187153	5.4	27.8	17.2	200.2	123	54	22	406	5.20	15.8	<5	11	76	.47	.2	.7	72	1.29	.095	17	36	1.14	110	.06	<3	1.12	.06	.51	2	.3	13	4.3	<.2	6.7	4	2	2
187154	11.4	40.0	24.9	227.1	165	50	18	338	4.24	6.5	<5	10	63	.42	<.2	.3	132	.95	.063	21	52	1.13	90	.07	<3	1.04	.06	.72	3	.5	<10	4.2	<.2	6.3	1	1	<1
ANDARD D2/C3/FA100S	24.5	122.6	100.4	250.6	2054	31	17	989	4.30	81.7	23	22	51	2.11	8.7	18.2	70	.70	.108	16	53	1.09	232	.11	28	2.23	.04	.65	13	2.2	915	.9	2.0	7.1	49	48	46

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

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppb	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U 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	Tl ppm	Hg ppb	Se ppm	Te ppm	Ga ppm	Au** ppb	Pt** ppb	Pd** ppb
B 187155	40.2	31.9	25.6	130.2	323	40	19	515	4.33	13.9	<5	9	130	.42	.2	.8	93	1.91	.049	19	30	1.02	78	.02	<3	.72	.07	.32	2	<.2	11	2.7	.4	3.4	2	<1	<1
B 187156	16.5	57.3	29.9	61.7	359	46	14	861	3.16	32.3	<5	7	166	.51	.2	3.7	27	3.48	.066	14	12	1.07	93	<.01	<3	.25	.05	.12	<2	<.2	12	1.3	.2	1.3	<1	<1	5
B 187157	2.4	36.4	6.7	103.9	106	42	19	441	5.00	6.9	<5	10	57	.08	<.2	.2	16	.96	.073	12	36	1.23	70	<.01	<3	2.27	.02	.18	4	<.2	21	.7	<.2	4.8	<1	2	8
B 187158	7.5	122.6	6.8	36.3	159	48	16	1232	4.58	19.4	<5	8	182	.25	<.2	<.2	19	4.33	.102	6	11	1.29	98	<.01	<3	.74	.03	.18	2	<.2	<10	.9	.2	2.1	2	<1	2
B 187159	4.6	5.3	2.5	9.1	44	5	1	316	.69	2.1	<5	<2	40	.11	<.2	<.2	1	.83	.002	<1	17	.24	10	<.01	<3	.03	<.01	.02	5	<.2	<10	<.3	<.2	.5	3	1	<1
B 187160	11.8	92.5	11.2	29.0	154	35	17	591	4.43	17.8	<5	9	100	.14	<.2	.4	23	1.77	.055	13	24	1.04	84	<.01	<3	.73	.07	.13	2	<.2	12	.6	.5	2.5	4	<1	<1
B 187161	23.1	64.3	9.8	40.9	137	47	22	521	5.05	25.1	<5	10	53	.21	<.2	.4	12	.79	.067	11	15	.97	127	<.01	<3	.86	.04	.25	2	<.2	<10	.7	.3	2.8	6	1	1
RE B 187161	21.9	63.2	9.3	41.4	157	48	22	526	5.17	25.6	<5	10	54	.19	<.2	.4	13	.80	.068	12	15	.99	129	<.01	<3	.87	.04	.26	2	<.2	15	.8	.4	3.0	6	<1	1
STANDARD D2/C3/FA100S	24.2	119.2	95.3	256.9	2025	30	17	1012	4.28	80.0	19	19	51	1.98	8.7	17.1	70	.69	.108	14	51	1.10	234	.11	24	2.24	.04	.64	15	2.0	1007	1.2	2.2	6.5	47	48	49

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

Data FA

SCHEDULE OF CLAIMS FOR WORK SUMMARY

Geology:

Abracad 1, 2;
Ace 15, 16, 18, 39, 42,57, 60, 61, 62, 63, 64, 67 68, 69,
E 3, 4, 6; Led 14, 20, 22, 24
Rivy 1; Boo 1, 2; Bill 1, Charlie 1, Prince 1, 2, Ace West 1, 2; Prince 1, 2; King 1, Queen 1, Aubar 4
Zak 5; Chris 1, 5, 7, 9, Sell 3, BB 1, 2, 7, 8;Amanda 2, 4, 5; Bruce 3, 5, 6,9,10

Geophysical

Magnetometer
Bruce 5, 9; Amanda 2; BB 6, 7, 8; Chris 9

Geochemical

Ace 4, 10, 11, 13, 16, 8, 19, 21, 37, 38, 41, 43. 57, 59, 60, 62, 65, 70, 71, 72.73, 74, 67, 68, 69, 76, 77, 82, 83, 84, 85, 92,
Amanda 2, 4, 5, 6; Bruce 2,3,5,6,8, 9,10; BB 1, 2, 6, 7, 8, 9, 11;
Abracad 2; LED 8,14,16,20,22; E 1,3,4,5,6; King 1; Queen 1; Ace West 1, 2; Jim;
Prince1,2; Abracad 2, Bill 1; Charlie 1; Zak 5; Boo 1,2; Rivy 1; Aubar 4; Zak 2, 4, 5; Jess 1, 2; Grain 5; Chris 1, 5, 7, 9, 10, 11,

Drilling

Ace 37, 84, 57, 43, 59, 62

Prospecting

Sell 3; Chris 1,5,7,9; Amanda 2,4,5; Bruce 3,5,6,9; BB 1,2,7,8;

Line

Ace 11, 13

GEOLOGICAL
Drill Core logging and preparation

Work was performed from October 1998 to January 1999
Work was performed on the following claims: ACE 37, 84, 57, 43, 59, 62

BRUCE PHILIPS	
32 days @$175/day (wages)	$5600
2 days @ $60 /day (room and board)	$120
2 days @ $85 /day (vehicle and gas)	$170
TOTAL	$5890
JOHN PAYNE	
16 days @ $550/day (wages)	$8800
16 days @ $60 / day (room and board)	$960
2 days @ $550/ day (mobe and demobe	$1100
TOTAL	$10860
PETROGRAPHIC REPORT	$1306.47
ASSAYS	
161 @ $26.16	$4212
TOTAL	**$22268.47**

GEOLOGICAL

Work was performed from August 1998 to January 1999

Work was performed on the following claims: ACE 15, 16, 18, 63, 64, 68, 69, 70, 71, 57, 67; LED 14, 20, 22, 24; E 3, 4, 6; ZAK 2, 4, 5; AUBAR 4, BOO2, BILL 1; CHARLIE1; PRINCE1,2; KING 1; ABRACAD 1,2;

JOHN PAYNE;
Geological sampling, Petrographics, Mobe and Demobe

• 12 days @ $550 / day	$6600
• 12days @ $60 (room and board)	$720
• 2 days @ $550/ day mobe and demobe	$1100
	$8420

BRUCE PHILIPS

• 12 days @ $175 / day (wages)	$2100
• 12 days @ $ 60 / day (room and board)	$720
• 12 days @ $85 / day (vehicle and gas)	$1020
	$3840

Vancouver Petrographics Thin sections	$248.33
Samples collected but not assayed	276
20 samples assayed with geochemical rock	

TOTAL **$12508.33**

GEOLOGICAL

Work was performed from March 1998 to January 1999

Work was performed on the following claims: RIVY 1, BOO1,2 ; BILL 1; ACE WEST 1,2; PRINCE 1,2; KING 1; QUEEN 1; AUBAR 4; ZAK 2,4,5; JESS 1,2 BIG GULP 2, 4; GRAIN 5; CHRIS 10,11,9,1,5,7; BB 6,8,1,2,9,11; AMANDA 4,5,6,2; BRUCE 8,2,3,5,6,10

CHARLIE GRIEG	
• REPORT	$9633.83
• 2 days @ $60 (room and board)	$120
• 2 days @ $85 (vehicle and gas)	$170
DARWIN GREEN	
• REPORT	$2293
• 2 days @ $60 (room and board)	$120
GRANT HENDRICKSON	
• Delta Geoscience Report	$642
• 2 days @ $60 (room and board)	$120
GARY MARTIN	
• map drawing (geological and geochemical)	$2232.32
ALAN DOBBS	
• 3 days @ $200/day (wages)	$600
• 2 days @ $60 / day (room and board)	$120
• 2 days @ $85 / day (vehicle and gas)	$170
TOTAL	**$16221.15**

GEOLOGICAL

Work was performed from July 1998 to November 1998
Work was performed on the following claims: ACE 39, 42, 60, 61, 62

AARON DOYLE;

• 2 days @ $125 per day (wages)	$250
• 2 days @ $60 per day (room and board)	$120
TOTAL	$370

JIM DOYLE

• 2 days @ $200 per day (wages)	$400
• 2 days @ $60 per day (room and board)	$120
• 2 days @ $85 per day (vehicle and gas)	$170
TOTAL	$690

JAMES DOYLE

• 2. days @ $100 per day (wages)	$200
• 2days @ $60 per day (room and board)	$120
TOTAL	$320

TOTAL **$1380**

GEOPHYSICAL

MAGNETOMETER

Work was performed from June 1998 to September 1998
Work was performed on the following claims: BRUCE 5, 9 AMANDA 2
BB 6, 7, 8, Chris 9

BRUCE PHILLIPS:

• 2 days @ $175.00 / day (wages)	$350
• 2 days@ $60.00 / day (room and board)	$120
• 2 days @ $85.00/ day (vehicle and gas)	$170
	$640

JIM DOYLE

• 2 days @ $200/ day (wages)	$400
• 2 days @ $60/day (room and board)	$120
	$520

Magnetometer Rental 2 days @ $150/day	$300
TOTAL	**$1460**

GEOPHYSICAL GEOCHEMICAL
GENERAL

Work was performed from March 1998 to January 1999

Work was performed on the following claims: RIVY 1, BOO1,2 ; BILL 1; ACE WEST 1,2; PRINCE 1,2; KING 1; QUEEN 1; AUBAR 4; ZAK 2,4,5; JESS 1,2 BIG GULP 2, 4; GRAIN 5; CHRIS 10,11,9,1,5,7; BB 6,8,1,2,9,11; AMANDA 4,5,6,2; BRUCE 8,2,3,5,6,10

GRANT HENDRICKSON

• Delta Geoscience Report	$642
• 2 days @ $60 / day (room and board)	$120
	$762

GARY MARTIN

• Mapping	$2500

BRUCE PHILIPS

• 10 days @ $175/ day (wages)	$1750

TOTAL **$4962**

GEOCHEMICAL
SOIL COLLECTION

Work was performed from May 1998 to September 1998

Work was performed on the following claims: CHRIS 7,9,11; ACE 11,13

BRUCE PHILIPS	
• 4.3 days @ $175 per day (wages)	$752
• 1 days @ $60 per day (room and board)	$60
• 1 days @ $85 per day (vehicle and gas)	$85
TOTAL	$897
AARON DOYLE	
• 3.5 days @ $125 per day (wage	$437
• 3.5days @ $60 per day (room and board)	$210
• 3.5day @ $85 per day (vehicle and gas)	$297
TOTAL	$944
JIM DOYLE	
• 2.75 days @ $200 per day (wages)	$550
• 2.75days @ $60 per day (room and board)	$165
• 2.75days @ $85 per day (vehicle and gas)	$234
TOTAL	$949
JAMES DOYLE	
• .75days @ $100 per day (wage)	$75
• .75 days @ $60 per day (room and board)	$45
TOTAL	$120
Samples Collected but not assayed	59
ASSAYS	
• 23 @ $25.33	$582.59
TOTAL	**$3492.59**

GEOCHEMICAL
STREAM SAMPLING

Work was performed from June 1998 to September 1998

Work was performed on the following claims: ACE 43, 59, 62, 72, 73, 74; CHRIS 7,9,11; AMANDA 2,4,5; BRUCE 5,9; BB 2,6,7,8,9

BRAD DONDALE:

• 2 Days @ $100 per day (wages)	$200
• 2 Days @ $60 per day (room and board)	$120
• .5 day @ $100 per day (mobe & demobe)	$50
TOTAL	$370

JIM DOYLE

• 2 days @ $200 per day (wages)	$400
• 2 days @ $60 per day (room and board)	$120
• .5 days @ $200 per day (mobe and demobe)	$100
• 2 days @ $85 per day (vehicle and gas)	$170
TOTAL	$790

BRUCE PHILLIPS

• 6 days @ $144 per day (wage)	$864
• 6 days @ $60 per day (room and board)	$360
• 6 days @ $85 per day (vehicle and gas)	$510
	$1734

AARON DOYLE

• 20days @ $125 per day (wage)	$2500
• 20 days @ $60 per day (room and board)	$1200
• 16day @ $85 per day (vehicle and gas)	$1360
TOTAL	$5060

ASSAYED:

Acme: 19 @ $7.88 (reassay from 97)	
257 Samples collected and not assayed	$160.20
TOTAL	**$8114.20**

GEOCHEMICAL ROCK

Work was performed from May 1998 to December 1998

Work was performed on the following claims: ACE 4, 10, 11, 13, 16, 8, 19, 21, 37, 38, 41, 57, 59, 60, 62, 65, 70, 71, 67, 68, 69, 76, 77, 82, 83, 84, 85, 92, ABRACAD 2; LED 8,14,16,20,22; E 1,3,4,5,6; KING 1; QUEEN 1; ACE WEST 1, 2; JIM; PRINCE1,2; ABRACAD 2, BILL 1; CHARLIE 1; ZAK 5; BOO 1,2;

JIM DOYLE	
• 18 days @ $200 / day (wages)	$3600
• 18 days @ $60 / day (room and board)	$1080
• 18 days @ $85 / day (vehicle and gas)	$1530
• 2 days @ $200 / day (mobe and demobe)	$400
TOTAL	$6610
AARON DOYLE	
• 13 days @ $125 / day	$1625
• 13 days @ $60 / day	$780
• 1 days @ $125 / day	$125
TOTAL	$2530
BRUCE PHILLIPS	
• 10 day @ $175/ day (wage)	$1750
• 5 day @ $60 / day (room and board)	$300
• 5 day @ $85 / day (vehicle and gas)	$425
TOTAL	$2475
BRAD DONDALE	
• 3 days @ $100/day (wages)	$300
• 3 days @ $60/day (room and board)	$180
TOTAL	$480
LOUIS DOYLE	
• 7 days @ $300 /day (wages)	$2100
• 7 days @ $60 / day (room and board)	$420
• 7 days @ $85 / day (vehicle and gas)	$595
• 2 days @ $300 /day (mobe and demobe)	$600
TOTAL	$3715
SUBTOTAL	$15810
DEAKIN EQUIPMENT	$756.11
ASSAYS	
220 samples @ $27.69	$6091.80
32 samples @ $44.54	$1425.28
7 samples @ $32.27	$225.89
6 samples @ $10.51	$63.06
TOTAL	**$24372.14**

DRILLING

Work was performed from October 1998 to January 1999
Work was performed on the following claims: ACE 37, 84, 57, 43, 59, 62

CONTRACTORS	
BROCKED CONTRACTING	$225.90
J.T.THOMAS	$84011.67
RUDY GEDDERT	$10405.75
CEDAR CREEK SILVICULTURE	$513.60
SUPPLIES	$4736.67
TOTAL	**$99893.59**

DRILLING
General

Work was performed from October 1998 to January 1999
Work was performed on the following claims: ACE 37, 84, 57, 43, 59, 62

AARON DOYLE;

• 10 days @ $75 per day (wages)	$750
• 10 days @ $60 per day (room and board)	$600
• 6 days @ $85 per day (vehicle and gas)	$510
TOTAL	$1860

JIM DOYLE

• 12 days@ $200 per day (wages)	$2400
• 5 days @ $60 per day (room and board)	$300
• 5 days @ $85 per day (vehicle and gas)	$425
TOTAL	$3125

JAMES DOYLE

• 9 days @ $100 /day (wages)	$900
• 9 days @ $60 /day (room and board)	$540
• .5 day @ $ 100 / day (mobe and demobe0	$50
TOTAL	$1490

LOUIS DOYLE

• 11 days @ $300 /day (wages)	$3300
• 11 days @ $60 / day (room and board)	$660
• 11 days @ $85 / day (vehicle and gas)	$935
2.5 days @ $300/ day (mobe and demobe)	$750
TOTAL	$4645

TOTAL **$11120**

PROSPECTING

Work was performed from May 1998 to December 1998 on the following SELL3; CHRIS 1,5,7,9; AMANDA 2,,4,5; BRUCE 3,5,6,9; BB 1, 2,7,8;

JIM DOYLE

• 22 days @ $200 / day (wages)	$4400
• 22 days @ $60 / day (room and board)	$1320
• 22 days @ $85 / day (vehicle and gas)	$1870
	$7590

AARON DOYLE

• 9 days @ $125 / day (wages)	$1125
• 9 days @ $ 60 / day (room and board)	$540
• 1.5 days @ $125 / day (mobe and demobe)	$187
	$1852

BRUCE PHILIPS

• 9 days @ $175 / day (wages)	$1575
• 6 days @ $60/ day (room and board)	$360
• 6 days @ 85 / day (vehicle and gas)	$510
	$2445

JAMES DOYLE (jr)

• 2 days @ $100 / day (wages)	$200
• 2 days @ $60 /day (room and board)	$120
	$320

BRAD DONDALE

• 4 days @ $ 100 / day (wages)	$400
• 4 days @ $ 60 / day (room and board)	$240
	$640

LOUIS DOYLE

• 10 days @ $300 / day (wages)	$3000
• 10 days @ $60 / day (room and board)	$600
• 10 days @ $ 85 / day (vehicle and gas)	$850
• 2 days @ $300/ day (mobe and demobe)	$600
	$5050

All prospecting samples were assayed and correllated under geochemical

TOTAL **$17897**

GRID PREPARATIONS

Work was performed from June 1998 to Aug 1998

Work was performed on the following claims ACE 11, 13

AARON DOYLE	
• .5 days @ $125 per day (wages)	$62.50
• .5 days @ $60 per day (room and board)	$30.00
TOTAL	$92.50
JAMES DOYLE	
• .5 days @ $100 per day (wages)	$50.00
• .5 days @ $60.00 per day (room and board)	$30.00
	$80.00
TOTAL	**$172.50**