Blackstone Resources Inc.093965

1998 GEOLOGICAL MAPPING, PROSPECTING, ROCK AND SOIL GEOCHEMICAL SAMPLING PROGRAM ON THE MONSTER PROPERTY, Monster 1-265 and Cookie 1-58 Claims. Volume 1.

Located in the Ogilvie Mountains
Dawson Mining District
NTS 116B/13
64° 49' North Latitude
139° 50' West Longitude

-prepared for-

BLACKSTONE RESOURCES INC.
501-675 West Hastings Street
Vancouver, B.C., Canada
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Dates worked: July 10 to July 23, 1998.

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M. B...

for Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

1998 EXPLORATION PROGRAM ON THE MONSTER PROPERTY

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SUMMARY

The Monster Project is located in the southern Ogilvie Mountains, about 100 kilometres north of Dawson City in the Yukon (Figure 1). The project consists of seven properties, stretching approximately 45 kilometres from the northeast to the southwest. The Monster Property is the largest of these properties and includes the Monster 1-265 Claim group and the contiguous Cookie 1-58 Claim group. The Monster Property was staked in 1993 and 1994 to cover numerous hematite-rich breccias and numerous Cu-Co-Au geochemical anomalies associated with these breccias. Comparisons have been drawn between the Ogilvie Mountain breccias, and similar breccias in the Wernecke Mountains to the east, and the giant Olympic Dam deposit in southern Australia. The objective of the exploration program on the Monster property was to further examine the breccias found on the property for the potential to host a deposit similar to Olympic Dam. This exploration program consisted of geological mapping, prospecting and rock and soil sampling primarily in areas where earlier exploration was incomplete or lacking altogether.

The field portion of the 1998 Monster program ran from July 10-23. The program involved geological mapping, prospecting and rock and soil sampling based out of four different camps. The program was designed to investigate a magnetic anomaly on the Cookie Claims and to examine several areas of the Monster property which had not been worked in any detail previously. The overall goal was to identify the area which represents the most significant drill target on the project by providing an equivalent database in all areas. Prior to the field program, a total of 38 claims were staked to cover a magnetic anomaly identified by the 1996 airborne geophysical survey and to join the Cookie Claims to the main Monster Property.

The geological framework for the Monster Project has been filled in significantly by mapping and sampling in areas not previously examined, or very cursorily examined, such as the east and southeast Cookie Claims, the west part of the Monster East area, and in the vicinity of the Choc Zone in the Southwest Monster area. The Monster Property is underlain by sedimentary rocks of the Wernecke Supergroup, primarily shale, quartzite, wacke and conglomerate of the Quartet Group, and dolomite, dolomitic shale and siltstone, and shale of the Gillespie Lake Group. These sedimentary rocks are intruded by breccia bodies which form two linear belts in the southern Ogilvie mountains. The Monster Property straddles the northern belt. The breccia complex consists of a very complicated mix of heterolithic and homolithic breccia, relatively undisturbed sedimentary host rocks, and minor diorite intrusions. Alteration associated with the breccia complex is quite variable. The most common alteration observed in the breccias is carbonatization, hematization (not specularite) and chloritization. Carbonatization is especially noticeable in the homolithic breccias whereas specularite is present in most heterolithic breccias. Magnetite was only observed in the breccia complex in the southeast Cookie Claims. The ubiquitous presence of carbonate (primarily dolomite-ankerite-siderite) is possibly due the common spatial association of the breccias with dolomite of the Gillespie Lake Group, and possibly the Fairchild Lake Group, sedimentary rocks of the Wernecke Supergroup. Jasper is especially common as massive to patchy replacement in finely bedded, dolomitic sediments of the Gillespie Lake Group

Several new areas of mineralization have been identified on the Monster Project as a result of the work in 1998. Mineralization consists primarily of chalcopyrite with minor bornite and cobaltite, generally as disseminations along bedding, fracture fillings, veins and replacement blebs. New showings have been located on the Cookie East Claims, the Cobalt Cirque part of the Monster East area, the south part of the West Monster East area, and adjacent to the Choc Zone in the Monster Southwest area. None of these new showings seems to have the size and continuity potential of the East Cu-Co area of the Monster West area (Baknes, 1995) which remains the most attractive target on the property.

Extensive contour soil sampling was done in the areas worked. This sampling did detect new areas of anomalous copper-gold-cobalt mineralization as well as extend and delineate several anomalies from previous work. The most significant new anomaly is located in the northern part of the West Monster East area where several samples over a 500x200 metre area returned greater than 1000 ppm copper with moderately to highly anomalous gold and cobalt. The source of this soil anomaly has not yet been determined. Other soil anomalies were detected in the Cookie East area, the northeastern part of the Monster East area and northeast of the Champagne Zone in the West Monster East area.

Now that a relatively evenly distributed database has been established for the entire Monster Property, further work should focus on developing the best of the known mineralized zones. The most prospective area identified to date on the Monster Property is the East Cu-Co Showing area of the Monster West area (Baknes, 1995). This area has continuity of anomalous soil geochemistry and significant showings spread over an wide area which is open to the east and northeast. The lack of outcrop in the eastern part of this area hinders surface evaluation. A grid based geophysical program of magnetic and induced polarization surveying is recommended. This geophysical work should be supported by additional soil sampling and geological mapping. A grid of 15 to 20 line kilometres will provide sufficient coverage to evaluate this area.

The high grade nature of the mineralization in the Cobalt Cirque area makes it an attractive target for more work. The mineralization at the Goblin Showing has only been traced over a small portion of its potential strike length due to overburden cover. Geophysical surveying could be useful in the area of the cirque floor where structures controlling the Goblin and Mark's Hi-Grade showings would come together. The Champagne Zone area requires additional geological mapping to delineate the mineralization in this area, but it seems to have potential for a mineralized zone of significant size if the geochemical anomaly to the northeast represents a continuation of the exposed mineralized zone.

Finally, some effort should be made to investigate the strong soil anomaly at the north end of the West Monster East area. The size and tenor of the anomaly make it one of the better geochemical targets on the property. Mapping and rock sampling in this area should be a priority.

1.0 INTRODUCTION

The Monster Project is located in the southern Ogilvie Mountains, about 100 kilometres north of Dawson City in the Yukon (Figure 1). The project consists of seven properties, stretching approximately 45 kilometres from the northeast to the southwest. The Monster Property is the largest of these properties and includes the Monster 1-265 Claim group and the contiguous Cookie 1-58 Claim group. The Monster Property was staked in 1993 and 1994 to cover numerous hematite-rich breccias and numerous Cu-Co-Au geochemical anomalies associated with these breccias. These breccias, and breccias which occur in the Wernecke Mountains to the east, are simialr to the host rocks of the giant Olympic Dam deposit in southern Australia. The objective of the exploration program on the Monster property was to further examine the breccias found on the property for the potential to host a deposit similar to Olympic Dam. This exploration program consisted of geological mapping, prospecting and rock and soil sampling primarily in areas where earlier exploration was incomplete or lacking altogether.

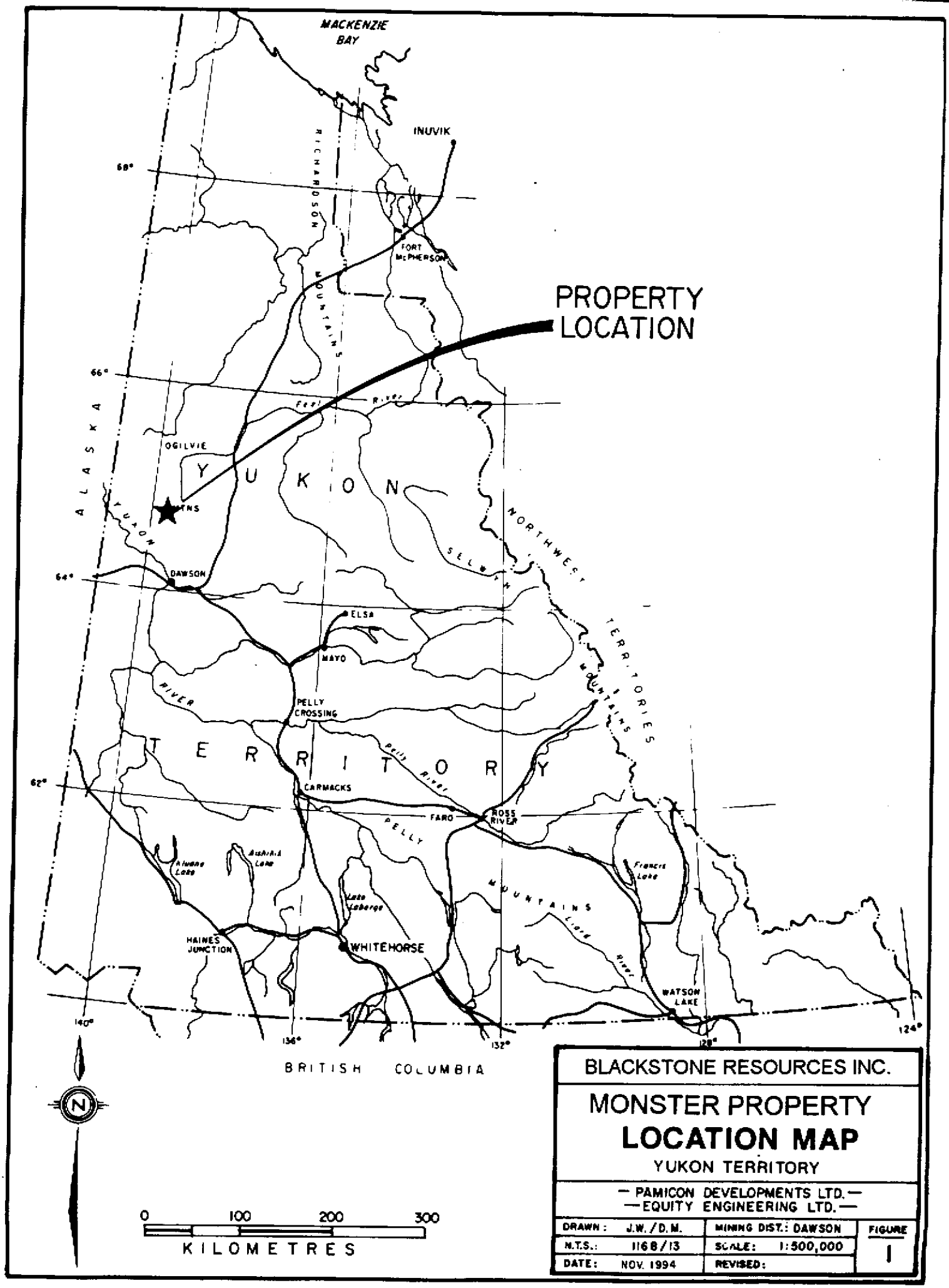
2.0 LIST OF CLAIMS

The Monster and Cookie properties comprise 323 contiguous quartz mineral claims, located in the Dawson Mining District (Figure 2). Government records indicate that the Monster 1-265 Claims are owned equally by Equity Engineering Ltd. and Pamicon Developments Ltd. of Vancouver B.C., the Cookie 1-20 Claims are owned by M.E. Baknes of Vancouver, B.C., and the Cookie 21-58 Claims are owned 100% by Blackstone Resources Inc. of Vancouver, B.C.. Blackstone Resources Inc. has an option to earn 100% of all the claims subject to carried interests by Equity and Pamicon.

Table 2.0.1
CLAIM DATA

Claim Name	Grant Number	No. of Claims	Expiry Date*	Owner
Monster 1-72	YB42067-138	72	Dec. 31, 2003	Equity/Pamicon
Monster 73-112	YB48361-400	40	Dec. 31, 2002	Equity/Pamicon
Monster 113-192	YB48591-670	70	Dec. 31, 2002	Equity/Pamicon
Monster 193-206	YB48671-684	14	Dec. 31, 2000	Equity/Pamicon
Monster 206-216	YB48685-694	12	Dec. 31, 2002	Equity/Pamicon
Monster 217-230	YB48695-708	14	Dec. 31, 2000	Equity/Pamicon
Monster 231-240	YB48709-718	10	Dec. 31, 2002	Equity/Pamicon
Monster 241-262	YB48719-740	22	Dec. 31, 2000	Equity/Pamicon
Monster 263-265	YB48741-743	3	Dec. 31, 2002	Equity/Pamicon
Cookie 1-20	YB52507-526	20	Dec. 31, 2002	M.E. Baknes
Cookie 21-58	YC07474-511	38	Dec. 31, 2001	Blackstone Resources Inc.
		323		

* The expiry dates for the Monster and Cookie Claims are subject to approval of assessment work covered by this report.

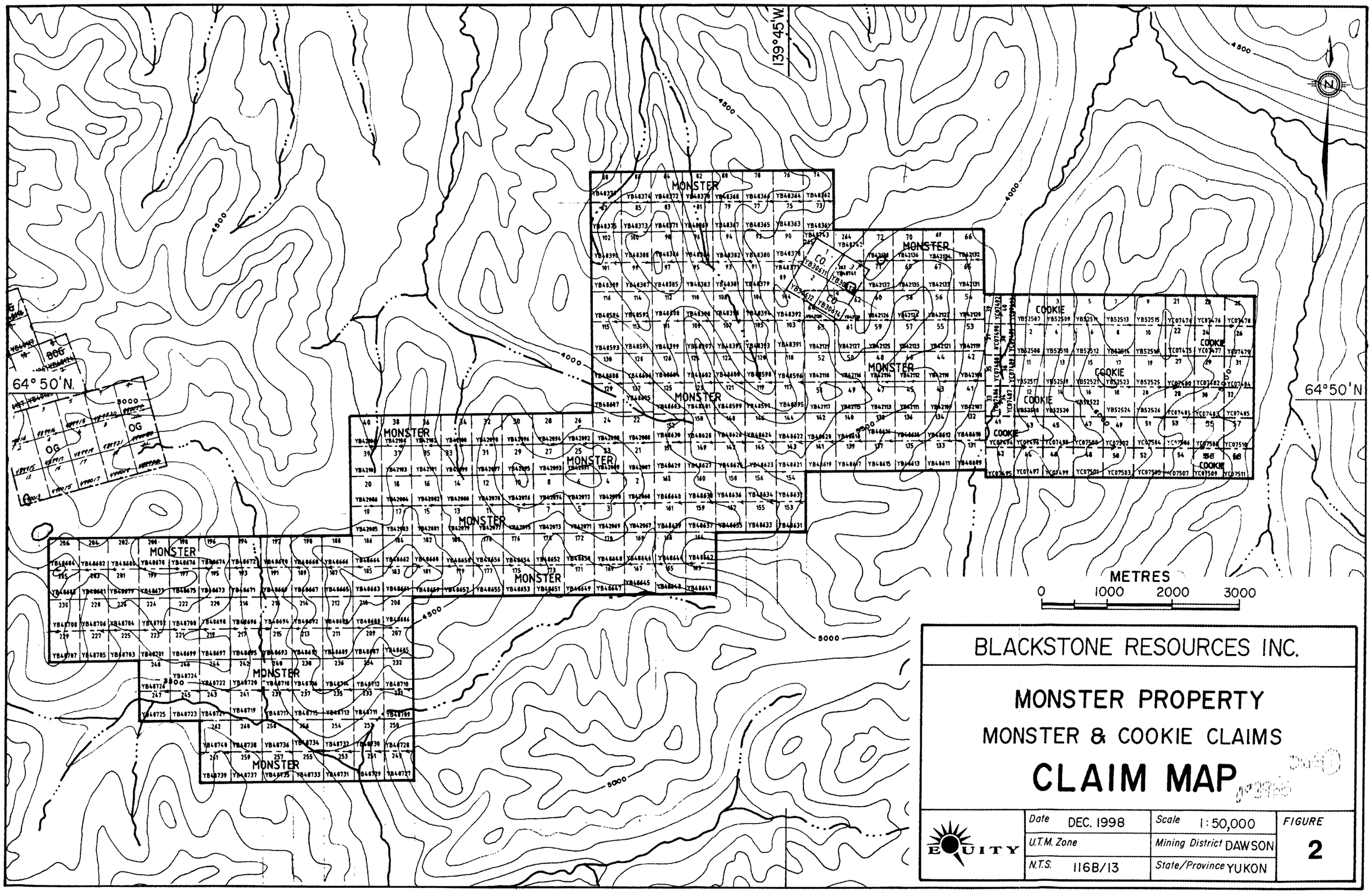


BLACKSTONE RESOURCES INC.

MONSTER PROPERTY
LOCATION MAP
YUKON TERRITORY

— PAMICON DEVELOPMENTS LTD. —
— EQUITY ENGINEERING LTD. —

DRAWN: J.W. / D.M.	MINING DIST.: DAWSON	FIGURE
N.T.S.: 116B/13	SCALE: 1:500,000	1
DATE: NOV. 1994	REVISED:	



BLACKSTONE RESOURCES INC.

MONSTER PROPERTY

MONSTER & COOKIE CLAIMS

CLAIM MAP

EQUITY	Date DEC. 1998	Scale 1:50,000	FIGURE
	U.T.M. Zone	Mining District DAWSON	2
	N.T.S. 116B/13	State/Province YUKON	

3.0 LOCATION, ACCESS AND GEOGRAPHY

The Monster Property is located approximately 85 kilometres north-northwest of Dawson City, at the headwaters of Coal Creek which enters the Yukon River 65 kilometres northwest of Dawson City. The approximate centre of the claims is 64° 49' north latitude and 139° 50' west longitude.

The Monster Property is located some 75 kilometres west of the Dempster Highway (Yukon Highway 11). The Monster Property may be accessed by fixed wing aircraft from Dawson City to an outfitter's gravel airstrip on the South Tatonduk River (64° 55.7'N, 139° 52.3'W) and hence by helicopter to the property. Dawson City has scheduled air service from Whitehorse.

The area lies in the western portion of the southern Ogilvie Mountains, 50 kilometres north of the Tintina Trench. This region was unaffected by continental glaciation during the Pleistocene (Lane, 1990) resulting in rounded mountainous terrain. Locally, alpine glaciation has created steep cirques and sharp ridge lines on many of the mountains on the property. Elevations on the Monster Property range from around 900 metres (<3000') in the Coal Creek valley to about 2000 metres (>6500') on some peaks in the northeast part of the property. Most of the property is above treeline, covered by alpine grasses, moss and shrubs. Thick stands of spruce are found in some of the major creek and river valleys.

4.0 PROPERTY EXPLORATION HISTORY

Exploration work in the southern Ogilvie Mountains was carried out in the mid to late 1970's by several large exploration and development companies, including Hudson Bay, Cyprus Anvil, and UMEX/Shell, primarily searching for carbonate-hosted Pb-Zn targets in the Gillespie Lake Group. During that same period, UMEX/Shell conducted mapping and soil geochemical surveys on several mineralized breccia occurrences such as the ID (Monster East area), DAS (Monster West area) and Lala (now Olympic Property, Major General Resources Ltd.). An orientation geophysics program of induced polarization (IP) and magnetometer surveys was done on the DAS Property. This work uncovered encouraging geochemical anomalies which were never followed up thoroughly. There was no further exploration work recorded in the area until the recent staking of the Monster Claims and the Olympic Property.

In 1993 a preliminary exploration program was carried out by the privately funded Monster Joint Venture (which became Pendisle Resources Ltd.) on the Monster 1-72 Claims (Monster East and West areas). This work was followed by stream sediment sampling and additional staking in the spring of 1994 covering the ground between the Monster East and West areas and numerous other known breccia occurrences in the vicinity. Exploration in 1994 consisted of fly camp-based geological mapping and rock, soil and stream sediment sampling over most of the Monster Property and the other properties within the project area. This work indicated several areas of promising mineralization including the 4900 Zone and East Cu-Co Zone in the Monster West area, the Cobalt Cirque in the Monster East area and the Choc Zone in the Monster Southwest area.

In 1996, Blackstone Resources Inc., a successor to Pendisle, flew an airborne magnetic and radiometric geophysical survey over the entire Northern and Southern Breccia Belts (Lane, 1990), including a detailed survey over the Monster Property itself. This survey was compiled and interpreted by Etheridge Henley Williams (EHW) of Australia who found strong structural control of the breccias and detected large areas of alteration possibly related to mineralizing systems. EHW recommended an aggressive program of claim acquisition and follow up work based on the results of the airborne geophysical survey and the ground results to date. Specifically, they targeted magnetic and structural features in the Monster East-Cookie area, the Monster West area and the Monster Southwest area.

5.0 1998 EXPLORATION PROGRAM

The main objective of the 1998 exploration program was to evaluate several targets identified from the airborne geophysical survey as well as provide relatively evenly distributed data for the Monster Property as a whole. The purpose of this program was to identify the highest priority target on the Monster Property for further follow up work, specifically diamond drilling.

Initially, an additional 38 claims were staked around the Cookie 1-20 Claims to cover a high priority magnetic anomaly as well as connect these claims to the overall Monster Property. This work was carried out in late June in conjunction with a property overview and orientation conducted by Mark Baknes who was the previous project geologist on the Monster property.

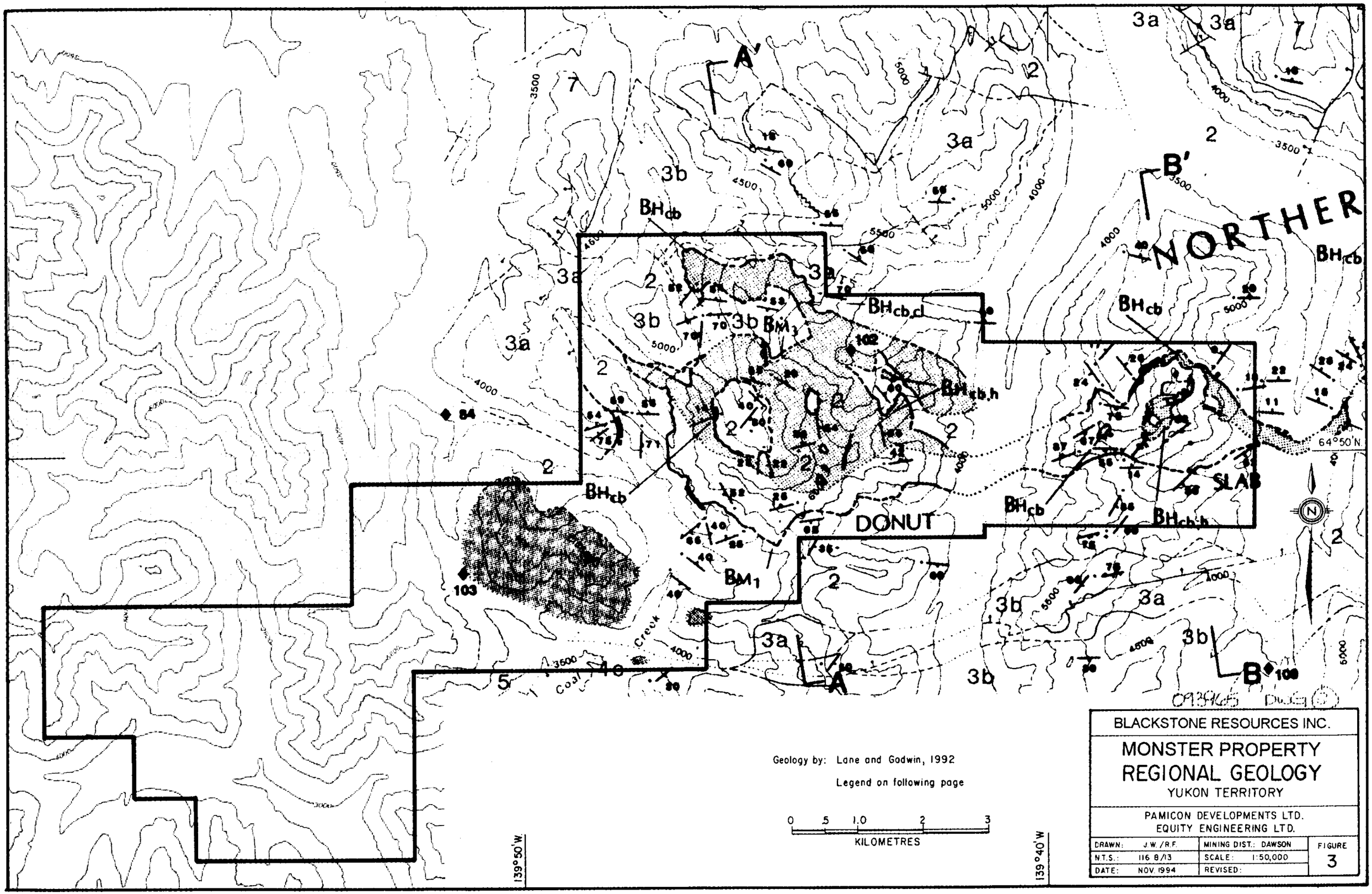
A fly camp-based program of geological mapping, rock and soil sampling was then carried out in the period July 10 to July 23, 1998. This work was based in four areas: the eastern Cookie Claims, the Cobalt Cirque area, the west part of the Monster East area, and the east part of the Monster Southwest area. These areas were selected based on a lack of previous data in areas hosting breccia occurrences and geophysical anomalies (east Cookie, West Monster East), and the need for follow up sampling and evaluation of previously discovered showings and geochemical anomalies (Cobalt Cirque, Monster Southwest). The crew for this program consisted of a geologist, a prospector and two samplers.

A total of 492 soil samples and 113 rock samples were collected in the course of the program. Soil samples were generally of talus fines and/or colluvium, collected at 100 metre intervals on contour soil traverses in prioritized areas. The sample sites were marked with a tyvek tag and flagging. Rock samples were also flagged in the field and marked by an aluminum tag. All rock and soil samples were submitted to Chemex for multi-element analysis; specifically for gold, by fire assay-atomic absorption on a 30 gram sample, and 24 element inductively coupled plasma-atomic emission spectroscopy (ICP-AES) analysis. The 24 element ICP-AES was chosen for its more complete digestion of the rock forming oxides allowing some quantitative evaluation of rock compositions (and alteration) in conjunction with standard metal content analysis. Samples containing greater than detection limits for Cu, Co, Pb, Ba, and Zn were subsequently assayed for the overlimit element.

6.0 REGIONAL GEOLOGY

The Dawson 1:250,000 map sheet (116B) was reconnaissance mapped by the Geological Survey of Canada in 1961 by Roddick and Green (1962). More recently, the eastern half of the property was mapped at 1:50,000 by R. Lane as part of a M.Sc. thesis (Lane, 1990) and later as a government map release (Lane and Godwin, 1992). The Geological Survey of Canada has re-mapped the Dawson map area at a scale of 1:50,000 (Thompson et al, 1992). To the east, maps for 116A/10, 11 have recently been mapped at 1:50,000 scale by Grant Abbott and Charlie Roots (Abbott and Roots, 1993a,b).

This part of the Ogilvie Mountains is cored by the Coal Creek Inlier (Lane, 1992), an oval-shaped and east-trending window of Middle and Late Proterozoic clastic and carbonate rocks that have been penetrated by mineralized breccias and cut by mafic sills and dykes. The Middle Proterozoic stratigraphy of the Coal Creek Inlier has been correlated by Lane (1990) to that of the Wernecke Supergroup, as defined by Delaney (1985), in the Wernecke Mountains some 250 kilometres to the east. The Wernecke Supergroup is a thick succession of generally fine-grained terrigenous and carbonate rocks that have been penetrated by mineralized breccias and cut by mafic sills and dykes (Figure 3). The entire succession has been mapped by Lane (1990) in the Coal Creek Inlier. The Wernecke Supergroup has been divided into three groups (oldest to youngest): Fairchild Lake Group, Quartet Group and Gillespie Lake Group. The latter two groups occur in the Monster claims areas. To the north, Cambrian to Devonian carbonate and clastic units unconformably overlie the Wernecke Supergroup stratigraphy whereas the Late Proterozoic Fifteenmile Group sediments lie unconformably over it to the south.



Geology by: Lane and Godwin, 1992

Legend on following page

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KILOMETRES

BLACKSTONE RESOURCES INC.

MONSTER PROPERTY
REGIONAL GEOLOGY
YUKON TERRITORY

PAMICON DEVELOPMENTS LTD.
EQUITY ENGINEERING LTD.

DRAWN: J.W./R.F.	MINING DIST.: DAWSON		FIGURE
N.T.S.: 116 B/13	SCALE: 1:50,000		3
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LEGEND

(to accompany Figure 3)

STRATIFIED UNITS

ORDOVICIAN TO DEVONIAN

8 **Road River Group**
black shale, chert

EARLY CAMBRIAN TO DEVONIAN

7 **CDb Formation**
pale grey dolostone

6 **Slats Creek Group**
dolostone, mudstone, sandstone, conglomerate

MIDDLE TO LATE PROTEROZOIC

5 **Upper Fifteenmile Group**
dolomitic limestone and dolostone

4 **Lower Fifteenmile Group**
c:mudstone, limestone, sandstone
b:dolostone and dolostone breccia
a:limestone, shale, sandstone, olistoliths

EARLY? TO MIDDLE PROTEROZOIC

3 **Gillespie Lake Group**
b:buff-weathering dolostone
a:orange-weathering dolostone

2 **Quartet Group**
sandstone, mudstone, argillite

1 **Fairchild Lake Group**
b:silty dolostone, mudstone, quartzite
a:platey dolomitic limestone

INTRUSIVE UNITS

PROTEROZOIC AND YOUNGER

Mafic dykes

OGILVIE MOUNTAIN BRECCIAS

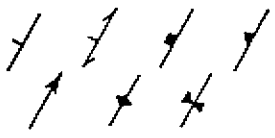
PROTEROZOIC

Heterolithic Breccia
BHcb:carbonate-rich matrix
BHh:hematite-rich matrix
BHcl:chlorite-rich matrix

Monolithic Breccia
BM1:Fairchild Lake Group fragments
BM2:Quartet Group fragments
BM3:Gillespie Lake Group fragments

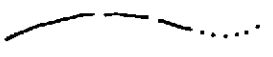
Unclassified Breccia

SYMBOLS

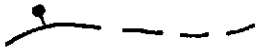


Bedding, Foliation, Jointing, Layering

Fold axis, Anticline, Syncline



Contacts (known, approximate, assumed)



Fault (ball denotes side down)

Disrupted bedding

The Quartet Group consists of a monotonous succession of fine-grained, interbedded sandstone to siltstone and black argillite (Lane, 1990). Minor limestone and chert pebble conglomerate have been noted. The Gillespie Lake strata consists of a lower unit of orange-weathering dolostone and an upper unit of grey-weathering dolostone.

Strata of the Wernecke Supergroup are cut by two east-west, fault-related belts of hematite breccias that are enriched in iron, copper, uranium, REE, cobalt and gold. Lane (1992) has subdivided the breccias into two main groups: homolithic (one clast type) and heterolithic (several clast types). Other breccia types, including quartz-specularite breccia, intraformational breccia and rare pebble dykes, were identified. Alteration minerals associated with the breccias are hematite (specular and earthy red varieties), carbonate, chlorite, silica and potassium feldspar. Fragments are normally angular to subrounded and show a great variability in size. Wernecke Supergroup strata are the dominant clast lithology with rare igneous, massive specular hematite and quartz vein fragments. The matrix of the breccia is comprised of the alteration minerals listed above and comminuted rock fragments or rock flour and clastic material. The breccias generally have steep discordant contacts, although bodies following bedding have been identified. A number of outcrops at the Monster West suggest that the breccias were comprised of unlithified clastic material that was injected into unconsolidated sediments.

The Wernecke Supergroup and breccia bodies are cut by diorite and diabase. Conversely, fragments of the mafic intrusions are also found within the breccia indicating a close temporal relationship. Lane (1990) reported a lead isotope date of 0.9 Ga from mineralization in a crosscutting dyke in a breccia penetrating lower Fifteenmile Group. These mafic units vary from a fine-grained, very rarely amygdaloidal texture to medium to coarse-grained equigranular varieties. Lane (1990) noted that the dykes are amygdaloidal where in contact with breccia bodies. There also remains a possibility that some of these mafic igneous rocks may in fact be volcanic flow units. Igneous zircon from mafic intrusive bodies associated with the Wernecke Breccias in the Wernecke Mountains have been dated at 1705±1 Ma and hydrothermal monazite from breccia has been dated at 1595+8/-5 Ma (Thorkelson and Wallace, 1998). This date has implications for the age of the Wernecke Supergroup throughout the Yukon, including the Coal Creek Inlier.

Proterozoic strata dip away in opposite directions on either side of the northern breccia belt, but bedding attitudes are much more contorted adjacent to the breccia bodies. The trend of the breccia belt follows the axial trace of an anticlinal structure and a steep zone of reverse faulting (Lane, 1990).

7.0 PROPERTY GEOLOGY

The geology of the Monster Property has been summarized by Baknes (1995). The detailed lithological legend (Table 7.0.1) is based on this work. The geology of the Monster Property is shown in Figures 4 to 8, geology maps at 1:5,000 scale, divided into the Monster Southwest, Monster West, West Monster East, Monster East and Cookie Claims areas. Mapping in 1998 was focused on the linear breccia trend which is the locus of most known mineralization on the Monster Property.

The Monster Property is underlain by Quartet (**Q**) and Gillespie Lake (**GL**) Group sediments that have been intruded by Proterozoic hematite breccias and associated diorite intrusions. In general, the breccias seem to be spatially associated with the contact between the Quartet and Gillespie Lake groups. Consequently, the mapped exposures tend to lie within a fairly narrow window on the Wernecke Supergroup, not too far up or down section from this contact.

Table 7.0.1
DETAILED LITHOLOGICAL LEGEND, MONSTER PROPERTY

LITHOLOGIES

PROTEROZOIC

Di Diorite Dark green, varying fine to medium-grained, equigranular to coarse-grained gabbroic textured. Comprised of intergrown euhedral plagioclase and interstitial chloritized hornblende, local magnetite with rare to 1-3% chalcopyrite. Whole rock analyses indicate a tonalite, granodiorite to monzogranite classification.

B Breccia:

Bt Heterolithic breccia: Characterized by various fragment lithologies and contrasting fragment alteration. Fragment lithology often difficult to distinguish, but may include siltstone, shale, dolostone, diorite, banded iron formation, chert and quartz. Contrasting strengths of orthoclase alteration are often apparent. The matrix components of heterolithic breccias, which also pervasively alter the framework, include some or all of the hydrothermal minerals: quartz, chlorite, carbonate, specular hematite and minor sericite/muscovite. Some heterolithic breccias appear to have a clastic or soft sediment matrix. Breccias are generally matrix-supported with subangular fragments ranging from 1.0 cm to 1.0 m, but typically averaging less than 5 cm. The colour of the breccia outcrop is indicative of the dominant alteration present: maroon - earthy hematite, buff -carbonate, green - chlorite and pink - potassium feldspar.

Bm Homolithic breccias: Contain one fragment type, in terms of lithology and alteration. The framework in homolithic breccias is generally comprised of the same lithology as the adjoining host rock. Most homolithic breccias consist of siltstones, dolomitic siltstones, purple and maroon mudstones and dolostone. The degree of brecciation varies from fractured wall rock to crackle breccias to less common well-developed matrix-supported breccias. The matrix of the homolithic breccias varies from carbonate-rich to those composed of clastics or soft sediments. Homolithic breccias usually contain a low percentage of specular hematite with the exception of the maroon mudstone homolithic breccias which may contain up to 10% specular hematite. Distinguishing heterolithic from homolithic phases may be difficult as contacts between the two breccia types are often gradational.

Note: Convention for breccia description;
Breccia class/fragment type/matrix components, ie. Bm/do/CL indicates a homolithic breccia, with dolostone clasts, and chlorite matrix.

EARLY? TO MIDDLE PROTEROZOIC

GL Gillespie Lake Group

GLdg Grey to buff weathering silty dolostone

GLds Buff weathering, algal laminated grey dolostone, to orange weathering silty dolostone. Unit may contain up to 30% cherty silica often as ragged masses and rhythmically laminated beds to delicate silica replacements of stromatolites. In areas of brecciation and accompanying deformation, bedding is contorted and the silica is remobilized forming jasperoid. Maroon mudstone and banded iron formation (jasper) locally form thin interbeds.

TABLE 7.0.1 continued

Q Quartet Group

- **Qcg** Coarse quartzite to conglomerate, unit is highly variable from well sorted, with subangular, 0.2-2.0 cm chert, quartz and argillite fragments, to maroon hematite-rich, coarse sandstones with occasional chert pebbles.
- **Qsh** Black shale, well cleaved, massive to interbedded with siltstone and quartzite layers
- **Qsl** Grey to black siltstone, generally well cleaved often interbedded with shale.
- **Qqt** Grey quartzite, with rare interbedded siltstone, locally forms finer-grained sections of unit Qcg.
- **Qms** Grey mudstone

U Unclassified Sediments

- **Uar** Dark grey argillite, nonfoliated, weakly siliceous.
- **Uct** Chert to cherty argillite, grey to dark grey, may be silicification similar to that common within unit GLds
- **Udo** Dolostone, grey to orange weathering, medium-grained.
- **Uds** Dolomitic siltstone, often pinkish-orange weathering with component of siliceous siltstone.
- **Uls** Light grey limestone, massive, blocky fracture
- **Ums** Mudstone, variable grey to greenish, bedded to massive, siliceous.
- **Umn** Green to brownish green, friable mudstone, recessive weathering, associated with unit Qcg, possible Quartet equivalent.
- **Ump** Purple mudstone, light violet to dark purple, dull weathering, generally massive to weakly bedded.
- **Umm** Maroon mudstone, distinctive maroon colour, generally massive to well bedded, with rare ripple marks, minor interbedded iron formation. Closely associated with unit Usg.
- **Usg** Green finely laminated siltstone-mudstone with interbedded banded iron formation and dolostone. Well bedded often with conspicuous jasper beds and locally maroon mudstone. Associated with dolostone and argillite lithologies.
- **Usl** Siltstone

The upper part of the Quartet Group, where it was observed in 1998, is primarily characterized by clastic and argillaceous rocks. The section near the upper contact is composed of mixed shale, siltstone, quartzite, wacke and pebble conglomerate. This section is well exposed in the West Monster East area and in the south Cookie Claims. These rocks are generally darkly coloured, indicating a ubiquitous argillaceous component. The clastic rocks within this section commonly show cross and graded bedding, indicative of relatively high energy environments. Minor carbonate component is present locally. Shale dominated sections are found in the Monster Southwest area and Cobalt Cirque. Phyllite has been mapped on the Cookie Claims which may be an altered part of the upper Quartet Group. Concretions in shale units are found over a wide area and these are present primarily near the upper Quartet Group contact with the Gillespie Lake dolomites. These concretions are generally flattened, range from a few centimetres to 10 centimetres on their long axis and appear to be composed of carbonate and silica.

The most common Gillespie Lake Group sedimentary rocks observed on the Monster Property are units from the lower part of the section. This part of the Gillespie Lake Group is composed of a mixed group of calcareous and dolomitic sediments. This includes thinly bedded silty to sandy dolomite, dolomitic shale and argillite, as well as massive, thick bedded, orange weathering dolomite. Of note is a 5 to 30 metre thick, dark, shale-rich section present just above the upper contact of the Quartet Group. This shale-rich section is well exposed in several areas including the south Cookie Claims, upper Cobalt Cirque, and the West Monster East area. The dolomitic rocks commonly show strong porphyroblast development, primarily a prismatic to accicular, light coloured mineral (chloritoid?) which is normally found in an iron carbonate matrix. The mixed silici-clastic and carbonate-rich sediments alter to a distinctive silica-carbonate rock, with extremely rough weathered surfaces, in proximity to the breccias. *Further up* in the

section, dolomite is more prevalent and it generally weathers a light grey colour. A wide section of these light grey weathering rocks can be seen in the northwest part of the West Monster East map sheet (Figure 6). Stromatolites are commonly observed throughout the dolomitic section of the Gillespie Lake Group (Baknes, 1995).

The breccias on the Monster Property are highly varied. Baknes (1995) has provided a detailed breakdown and classification of the breccias (Table 7.0.1) which is followed here. The most volumetrically common breccia type by far is homolithic breccia (**Bm**). This includes areas of mixed breccia and rafts of relatively intact sedimentary rocks, which may be several hundred metres in diameter e.g. O'Hara Showing in east Cookie area (Figure 8). The relationship between the homolithic breccia and heterolithic breccias (**Bt**) is very complex. The two breccia types commonly grade into each other, progressing in intensity toward heterolithic breccia. Cross-cutting bodies of heterolithic breccia can be observed, such as on the ridge in the west part of the West Monster East map sheet (Figure 6), intruding both sedimentary and homolithic breccia rocks. Locally, the breccias turn to follow bedding with little disruption of the surrounding beds. Clasts of the heterolithic breccia tend to be locally derived, suggesting minimal vertical transport of the fragments during emplacement.

Homolithic and heterolithic breccia bodies define a more or less continuous trend from the southwest part of the Monster Property to the east end of the Cookie Claims. Locally, the breccias are off-set and disrupted by fault structures, creating a series of more or less distinct breccia bodies following the overall trend. The breccias are apparently uplifted and down-dropped on cross faults resulting in dramatic shifts in the apparent size of the breccias locally. There are occurrences of breccia outside of the main trend (on cross faults?) but they are unusual. In general, the bounds of the breccia trend are well defined, forming a fairly coherent group of rocks distinct from the surrounding country rocks. However, within the trend the contact relationships between the breccias and the host rocks are much more complex.

Diorite is a common, though volumetrically small, component of the geology of the breccia trend. Locally, diorite dyke swarms can be quite important, such as in the northeast part of the Monster Southwest area, which is centred on a large diorite body in the lower part of the mountain. Generally, the diorite occurrences noted in 1998 were relatively small and discontinuous, occurring primarily within the breccia complex as discontinuous lenses or pods and commonly associated with faults.

7.1 Structure

The primary bedding in the sedimentary rocks on the Monster Property forms a large anticline with units dipping off to the north and south of the core which follows the trend of the breccia complex. The bedding is primarily upright with the Gillespie Lake Group generally overlying rocks of the Quartet Group. Locally, there is considerable disruption of the units within the breccia complex. Drag folding is common in association with faults, resulting in locally overturned beds. A large recumbent fold in an otherwise relatively homoclinal sequence of Quartet Group shales and wackes can be seen on the west side of an erosional window in the centre of the West Monster East area (The Donut, Figure 6). This fold is situated adjacent to the contact between the Quartet rocks and a large homolithic breccia complex. Although not measured directly, the hinge of the fold appears to be plunging to the west-northwest. Bedding orientations in other areas such as the south Cookie Claims indicate a similar fold plunge. It may be that these fold hinges are all related to thrust faulting (e.g. the Monster Fault, EHW, 1997).

Based on previous geological work and the airborne magnetic and radiometric geophysical survey, EHW (1997) have interpreted a network of significant northeast trending basement faults and more northwest trending thrust(?) faults which they postulate had a strong control on the emplacement of the individual breccia bodies. These structures effectively provide the pathways and bounds for the breccias creating a series of steps and offsets along the Monster breccia trend. Mapping in 1994 and 1998 showed these interpreted structures to be spatially related to many of the main mineralized showings on the property. Within the breccia complex itself, north-northwest to north-northeast faults

seem to be important in the localization of breccias and mineralization (e.g. Zappa Zone, Monster Southwest; Champagne North, Monster East).

In the Monster East area, a series of parallel faults form the contact between Quartet shales and breccia. These structures strike about 130-140° and dip steeply southwest. Faults with similar orientation control the linear, northwest-facing valleys in the West Monster East area.

Two large linear north-trending valleys occur at the east and west side of the Cookie Claims. Profound geological changes are noted across both valleys, particularly at the west side of the Cookie Claims where the breccia complex thins dramatically from the Monster East area. These valleys likely represent faults, with strong normal components.

7.2 Alteration

Alteration styles on the Monster Property related to the breccias are quite varied. Most common within the breccias themselves is carbonate alteration. Ferroan dolomite is almost ubiquitous throughout the trend but particularly in the vicinity of the Gillespie Lake dolomites and this may be partially a result of assimilation of the dolomite into the breccia. The carbonate manifests itself as porphyroblasts, veins and breccia matrix material.

Siderite is noted in several localities. This carbonate can be identified by its characteristic chocolate brown weathering surface, such as at the Choc Zone in the Monster Southwest area. Also, the presence of Mn-oxide staining can commonly be traced to the presence of siderite. Siderite is commonly found in association with silica alteration in dolomites and in the upper, clastic sedimentary rocks of the Quartet Group.

Hematite alteration is at least as areally extensive as carbonate. Hematite occurs as two types: specularite and earthy red hematite. Specularite is most common in association with heterolithic breccias and diorite bodies. Pervasive earthy hematite is found in homolithic breccia but it is most common in the host rocks adjacent to brecciation. Several of the rock types that fall in the Unclassified (U) category in Table 6.0.1 are the product of alteration by the intrusion of breccias. The purple and maroon mudstones, locally with interbedded banded iron formation, which are common in the southwest and east areas of the Monster Property, are likely pervasively hematized shales and other lithologies of the upper Quartet Group sedimentary rocks. As well, extensive jasper formation in the Cookie and Southwest Monster areas is related to preferential replacement of beds in the Gillespie Lake Group by hematite and, possibly, silica. Other examples of hematization include pink silty dolomite in the Cobalt Cirque area and widespread veins of blood-red carbonate (hematized carbonate).

Another of the most common alteration styles observed in the 1998 program was the formation of silica-carbonate layering in dolomite-rich rocks. The altered rocks contain silica-carbonate segregations or bands which may or not preserve original textures, such as bedding and stromatolites. This rock has an extremely rough, weathered surface with silica swirls and bands standing in strong relief against the recessive, carbonate-rich segregations. Massive zones of silicification are common as are zones of carbonate and jasper alteration. This style of alteration has a distinctive outcrop pattern, resulting in spires and ragged, crumbly outcrops due to abundant fracturing. These alteration zones are quite extensive locally, such as the Jasper Zone on the Cookie Claims, which is about 200 m x 400 m, and the Zappa-Choc Zones in the Monster Southwest area. Large areas of silica-carbonate altered dolomite commonly represent incipient to crackle brecciated homolithic breccia but with so much re-crystallization, breccia textures are obscured.

Magnetite was observed in one particular area during the 1998 program. An area of the southeast and east Cookie claims is underlain by a large magnetic high (EHW, 1997). The surface evidence of this anomaly is primarily magnetism in heterolithic breccia and in association with diorite intrusions within the breccia complex. Magnetite was noted in altered beds within a raft of dolomite in the east Cookie Claims

where magnetite crystals and massive magnetite occur in carbonate layers within a narrow section of jasper-altered dolomitic sediments. In hand specimen, this alteration has the distinctive appearance of magnetite-hematite, banded iron formation.

Chlorite is most commonly observed in association with diorite although chlorite alteration is much more widepread than the dykes themselves. Chlorite alteration is normally pervasive, and this is particularly noticeable in heterolithic breccia.

Potassic alteration, characterized by potassium feldspar and sericite, was not commonly observed in 1998. Several small zones were noted, especially around diorite dykes and heterolithic breccias, but nothing as extensive as the potassic alteration observed at the 4900 Zone and other areas in the Monster West area (Baknes, 1995). A large heterolithic breccia body in the West Monster East area shows signs of strong pervasive hematization and pink feldspar alteration. The potassium alteration in this area is restricted to the breccia. There is also an area of potassium feldspar flooding in heterolithic breccia and diorite spatially associated with the magnetic anomaly on the southeast Cookie Claims.

7.3 Mineralization

Baknes (1995) has summarized numerous significant mineralized zones on the Monster Property. The largest of these zones occurs on the Monster West area (Figure 5) and encompasses the area of the 4900 Zone, east to East Cu-Co Zone, and south to the Southeast Spur Zone. The 1998 program did not include this previously detailed area (other than on the orientation work in June). However, it remains one of the most significant mineralized areas on the Monster Property.

Showings and mineralized zones examined in 1998 will be described in order from west to east on the property. Significant results from this work can be found in Tables 7.3.1 to 7.3.4 at the end of each summary.

7.3.1 Southwest Monster, Choc Zone Area

Detailed mapping and prospecting around the Choc Zone (Baknes, 1995) has resulted in the delineation of an additional zone, the Zappa Zone. The Zappa Zone is located along the ridge about 25 metres west of the Choc Zone, and is continuous over about 50 metres of strike in silica-carbonate altered dolomite. The zone is associated with a structure which strikes about 020°. Mineralization is primarily located on the east side of the structure and is sparse in breccia down slope to the west. Mineralization consists of disseminated chalcopyrite along bedding with bornite and minor cobaltite in veinlets and fractures and is strongest within a few metres of structure, although it does persist an additional 10-15 metres east. Anomalous soil samples on the north side of the ridge indicate Zappa Zone mineralization potentially continues an additional 400 metres northwest to a weakly mineralized dolomite outcrop at the contact with unmineralized shale. The strike extent is apparently limited to the southeast by the presence of variably altered shale and mudstone (fault contact?) within about 150 metres. Sampling on the Zappa Zone returned some good copper grades but in general the cobalt and gold values are spotty. One 5 metre representative grab sample in the cliff above and perpendicular to the 020° fault returned 7460 ppm Cu, 300 ppm Co, and <5 ppb Au.

Table 7.3.1
SELECT SAMPLE RESULTS, ZAPPA ZONE, SOUTHWEST MONSTER, MONSTER PROPERTY.

Sample #	Type	Cu (ppm)	Co (ppm)	Au (ppb)	Other
597191	5.0m rep.grab	7460	300	<5	40 ppm Bi
597192	select	4.82%	597	<5	
709588	4.0m rep.grab	780	22	<5	

* Representative grab samples (rep.grab), are a series of equally spaced and sized rock chips taken in a line oriented approximately perpendicular to mineralized structures. Spacing between the chips is 30 or 40 centimetres.

7.3.2 West Monster East Area.

No significant mineralized occurrences were noted in this area during a brief reconnaissance program in 1994. However, a number of silt samples returned strongly anomalous results in copper and cobalt prompting follow up work in 1998.

A significantly mineralized area was located in the south part of the West Monster East area, near the head of the main valley. To date three showings have been identified, hosted in a large, dominantly homolithic, breccia complex, with sections of relatively intact sedimentary rocks, at the contact of the Gillespie Lake and Quartet Groups. These rocks form the south rim of "The Donut" (Lane and Godwin, 1992). The central showing, the Champagne Zone, occurs near the top of the valley head wall, at the contact between dolomite and shale/wacke. Sulphide mineralization is localized in the dolomite along this contact and is apparently zoned, with cobaltite near the contact giving way to chalcopyrite-minor bornite away from the contact. Mineralization consists of blebby to fracture controlled sulphides, with minor malachite, azurite and erythrite on fractures. Overall, the Champagne Zone is about 20 metres wide on surface and was observed over about 25 metres of strike, but is currently open in both directions along strike. Two roughly contiguous representative grab samples were taken across part of the zone. The first sample, 3.0 metres wide, started at the shale/wacke contact and returned 47 ppm Cu, 2810 ppm Co, and 50 ppb Au. The next sample, started one metre from the end of the first sample (omitting an unmineralized hematite zone), and returned 636 ppm Cu, 546 ppm Co, and <5 ppb Au over 7.2 metres. These two samples show the zonation from cobalt-only to copper-cobalt mineralization away from the shale/wacke contact. Another sample was taken across a vertical structure which cut through the dolomite-shale contact and returned 3630 ppm Cu, 138 ppm Co, and 10 ppb Au. Copper oxides are much more obvious on fractures in the shale/wacke unit. However, the shale-wacke unit contains only minor amounts of sulphide minerals, except in a small breccia zone associated with a diorite dyke on the ridge top. Although no samples of the shale/wacke unit were taken, a grab sample from the diorite-breccia zone in the shale unit returned 1415 ppm Cu, 125 ppb Au and 18 ppm Co.

A series of anomalous soil samples and one rock grab sample (597181, 3.34% Cu) about 300 metres northeast of the Champagne Zone suggest that the zone is continuous in this direction. This area lies along a major northeast-southwest structure, interpreted from the airborne geophysics (EHW, 1997), which extends through the Champagne Zone.

Prospecting 600 metres northwest of the Champagne Zone turned up several grab and select samples with strong copper mineralization. Samples from this Champagne North zone returned up to 11.35% Cu. Similar to the Champagne, this zone occurs at or near the contact between dolomite and the shale/wacke unit. Chalcopyrite and bornite mineralization is found in both brecciated, silica-carbonate altered dolomite and concretionary shale. Finely disseminated cobaltite was noted in one sample of altered shaley dolomite. An interesting aspect to the Champagne North zone is the presence of Pb-Zn mineralization in the host dolomite as well as strong pyrite mineralization. Values of up to 23.4% Zn, 5.7% Pb, and 63.4 g/t Ag were found in select samples. The Champagne North zone is associated with a north-northeast trending fault, which off sets the Gillespie Lake-Quartet contact.

A small, 1x10 metre zone of copper mineralization, dubbed Panther Showing, was located on the east side of the Donut. The showing was difficult to trace due to the rubbly nature of the local bedrock. It consists of chalcopyrite-bornite mineralization in silica-carbonate altered dolomite, associated with carbonate veining and potassium feldspar alteration, that occurs proximal to a heterolithic breccia. The Panther Showing is situated close to a structure, interpreted from the airborne survey by EHW (1997), which coincides with a sharp gully just north of the showing. A 5 metre representative grab sample across the zone returned 5080 ppm Cu, 1050 ppm Co, and 65 ppb Au.

One prospecting grab sample (597183) taken in the northwest part of the West Monster East area returned 0.91% Cu. This sample appears to represent a small isolated bornite-chalcopyrite occurrence in otherwise unaltered and unmineralized dolomite. However, the sample is located in a drainage anomalous in Cu and Au in a silt sample taken in 1994 (Baknes, 1995).

Table 7.3.1
SELECT SAMPLE RESULTS FROM THE WEST MONSTER EAST AREA, MONSTER PROPERTY

Sample #	Type	Cu (ppm)	Co (ppm)	Au (ppb)	Other
Champagne Zone					
709579	5.6m rep.grab	3630	138	10	
709580	3.0m rep.grab	47	2810	50	
709581	7.2m rep.grab	636	546	<5	
709578	float select	7030	1795	75	
597181	grab (2m)	3.34%	32	10	9.6 g/t Ag
Champagne North					
597185	grab (4m)	1.41%	70	35	560 ppm Pb
709677	float	11.35%	90	90	1415 ppm Pb 63.4 g/t Ag
709680	select	2570	45	40	1200 ppm Pb 12.8 g/t Ag
709681	float	2340	47	20	23.4% Zn 5.7%Pb 11.8 g/t Ag
709683	grab (15m)	340	29	100	
Panther Zone					
597178	select	1.3%	2140	90	
709672	5.0m rep.grab	5080	1050	65	

7.3.3 Cobalt Cirque Area, Monster East Claims

The Cobalt Cirque (Figure 7, Table 7.3.2) area was explored briefly in 1993 and 1994 but most work in this area concentrated on the west slope of the large valley immediately east of Cobalt Cirque. The Upper Cobalt Cirque Showing, located in 1993, covers an area of 55 x 100 metres (Baknes, 1995), with values up to 4.2% copper, 1.3% cobalt and 295 ppb gold in grab and chip samples. This mineralization is situated at the contact between crackle brecciated dolomite and a thick shaley horizon within the Gillespie Lake dolomitic sediments and is associated with shearing and diorite dykes.

High grade copper-cobalt-gold mineralization was sampled near the floor of the upper cirque in 1994 (Baknes, 1995), dubbed Mark's Hi-Grade Showing in 1998. Additional control sampling around Mark's Hi-Grade Showing returned more anomalous results. The zone occurs just where the outcrop disappears below talus and till cover on the southeast wall of the cirque. Mineralization in this showing consists of bornite, chalcopyrite, pyrite and cobaltite as disseminated blebs and veinlets in fractures and joints in pink dolomite and shale adjacent to an extensive homolithic breccia body. The better mineralization is narrow and spotty and is traceable along the edge of outcrop upslope for about 50 metres. Lower grade disseminated mineralization extends for a thickness of about 30 metres (Baknes, 1995). Results from representative grab samples on this zone include 4620 ppm Cu, 341ppm Co, and 50 ppb Au over 6.0 metres, and 5150 ppm Cu, 1265 ppm Co, and 25 ppb Au over 3.0 metres. The best grade mineralization in this zone occurs where it strikes under the overburden at the bottom of the cirque. Mineralization in Mark's Hi-Grade Showing seems to trend northwest toward the Goblin Showing.

A significant new showing, the Goblin Showing, was located in the Cobalt Cirque area in 1998, following up a strong copper in soil anomaly from 1994. This showing occurs in concretionary shale and

dolomite (Quartet/Gillespie Lake) and consists of a series of quartz-carbonate veins and local stockworks which are well mineralized with bornite, chalcopyrite, and minor cobaltite. These veins are situated adjacent, and sub-parallel, to the large northwest-southeast trending fault mapped in this area. Seven contiguous, representative grab samples across the showing returned 0.57% Cu over 35 metres with only minor Co and Au values. The strike extensions of this zone to the southeast are largely buried but there is some mineralization adjacent to the fault on the south side of the cirque. A 5.6 metre representative grab sample here returned 0.16% Cu and 766 ppm Co (sample 709562). The Goblin Zone strikes toward a small claim block held by another company, two hundred fifty metres to the northeast. The overall dimensions of the Goblin Showing are difficult to estimate as it is mostly inaccessible due to cliffs.

In the northeast part of the Cobalt Cirque area, a large breccia hosts local mineralization, generally associated with diorite dykes. A 4.0 metre representative grab sample across one of these zones returned 5720 ppm Cu. Also, several soil samples in the extreme northeast part of the Monster East claims are strongly anomalous in Cu (up to 2040 ppm Cu) and, locally, Co and Au. These samples are associated with a breccia-dolomite contact mapped in 1993. As well, a grab sample of dolomite with carbonate-quartz veining in this area returned 2.49% Zn.

Table 7.3.3
SELECTED RESULTS, MONSTER EAST-COBALT CIRQUE AREA, MONSTER PROPERTY.

Sample #	Type	Cu (ppm)	Co (ppm)	Au (ppb)	Other
Goblin Showing					
597165	5.0m rep.grab	3870	23	<5	4.4 g/t Ag
597166	5.0m rep.grab	4890	26	<5	5.6 g/t Ag
597167	5.0m rep.grab	2850	32	10	4.0 g/t Ag
597168	5.0m rep.grab	16300	45	80	32.0 g/t Ag
597169	5.0m rep.grab	4220	36	125	5.2 g/t Ag
597170	5.0m rep.grab	5210	46	15	7.0 g/t Ag
597171	5.0m rep.grab	2550	36	35	
contiguous	**35.0 metres**	**5699(0.57%)**			
597172	grab (1.0m)	1.40%	391	10	2.0 g/t Ag
Cobalt Cirque, Northeast and East					
709559	grab (4.0m)	5720	28	5	
709562	5.6m rep.grab	1625	766	<5	
597163	select	1.31%	49	<5	
Mark's Hi-Grade Showing, Cobalt Cirque Area					
709659	select	44.8%	9820	510	24.2 g/t Ag
709661	5.0m rep.grab	2170	145	<5	
709662	6.0m rep.grab	4620	341	50	
709663	4.0m rep.grab	3030	367	<5	
709665	3.0m chip	5150	1265	25	

7.3.4 Cookie Claims; Jasper Zone and O'Hara Showing

The focus of exploration in the southeast Cookie Claims area (Figure 8) was an unexplained magnetic anomaly identified from the 1996 airborne survey results (EHW, 1997). Several of the breccia bodies in the area were weakly magnetic, presumably due to the presence of finely disseminated magnetite. A minor amount of magnetite was seen in association with jasper alteration in dolomites. These may be indicative of a larger, magnetite-rich body at some depth.

The Jasper Zone is located roughly at the intersection of a steep, reverse fault (the Monster fault?) on the south side of the zone and two northeast trending basement faults, bounding the fault to

the east and west (EHW, 1997). As well, there is a strong, northwest trending, fault-shear zone on the north side of the zone.

The Jasper Zone is a strongly silica and carbonate altered, locally brecciated dolomite, covering 200x400 metres, which is situated adjacent to the magnetic anomaly. The zone is named for the abundance of jasper replacement of both breccia fragments and individual beds in the dolomite. Mineralization is characterized by zones up to 1% chalcopyrite occurring as disseminated blebs and fracture fillings. Mineralization in the Jasper Zone occurs in both silica and carbonate rich sections of the altered dolomite but the better mineralization seems to be found in carbonate altered rocks. There are two significant mineralized zones of about 10-15 metres by 30-50 metres each. A strongly mineralized section within the larger zone returned 0.45% Cu over 6.8 metres (true width). Additional smaller zones are also found in this area, generally occurring in the altered dolomite at the contact with breccia.

The O'Hara Showing is a 20x5 metre zone of disseminated cobaltite, bornite, and chalcopyrite occurring in altered dolomite and carbonate-quartz veins, within a larger raft of unbrecciated dolomite within the main breccia complex. The O'Hara Zone occurs at the confluence of two structures detected from the airborne geophysical survey (EHW, 1997). Select samples from this zone returned strong copper and cobalt values. A 2 metre representative grab sample returned 0.5% Cu, 0.136% Co, and 100 ppb Au.

Table 7.3.4
SELECTED SAMPLE RESULTS FROM THE COOKIE CLAIMS, MONSTER PROPERTY.

Sample #	Type	Cu (ppm)	Co (ppm)	Au (ppb)	Other
Jasper Zone					
709552	6.8m chip	4530	15	15	
709554	1.6m chip	3640	7	<5	
709655	select (5m)			130	
709657	7.0m rep.grab*	4300	45	<5	
O'Hara Showing					
597154	select	1.27%	8640	715	
597157	2.0m chip	5030	1360	100	

8.0 SOIL GEOCHEMISTRY

A total of 492 soil samples were collected on the Monster Property in 1998 (Figures 14 to 18). These samples were taken on contour traverses either to fill in and extend known anomalies or to cover areas not previously sampled. In general, the soil development on the Monster Property is poor and most samples were of talus fines and/or colluvium. The samples were partially dried in the field and than shipped to Chemex Labs in North Vancouver, B.C. for 24 elements (by ICP-AES) and gold (fire assay-AAS on a 30 g sample). The samples were dried if necessary by the lab and then sieved to -80 mesh before being pulverized. In some instances sufficient fine material was not available and oversize material (+80 mesh) from the sample had to be ground and incorporated in the sample by the analytical lab (prep code 206, Appendix E).

Statistical analysis was done to determine the level of anomalous values for elements analysed for the soils collected in 1998. This analysis included the results from samples collected in 1993 and 1994 on the Monster Property as well. These previous samples were collected and analysed using the same techniques as the 1998 program. For the purposes of the statistical analysis, all results below the lower detection limit of the analytical technique were taken to be one half the lower detection limit. Results which were greater than the upper detection limits for the analytical technique were taken to be the upper detection limit value unless assays were available. Percentile ranges for the selected

elements are shown in Table 8.0.1. The percentile ranges and correlation matrix for all elements can be found in Appendix E. Similar to the 1994 report (Baknes, 1995), the 70th percentile is considered weakly anomalous, the 85th percentile is moderately anomalous, the 95th percentile highly anomalous, and the 98th percentile very highly anomalous.

Table 8.0.1
SOIL GEOCHEMICAL THRESHOLDS FOR SELECTED ELEMENTS, MONSTER PROPERTY SOIL SAMPLES (1265 SAMPLES).

Percentile	Copper (ppm)	Cobalt (ppm)	Gold (ppb)	Silver (ppm)	Zinc (ppm)	Lead (ppm)
98th	1555	143	20	1.9	1658	426
95th	899	75	10	1.0	713	223
85th	406	48	<5	0.4	257	90
70th	218	35		0.2	128	38
50th	109	24		<0.2	88	20

The correlation matrix indicates that there are very few elements which are strongly correlated. The most significant correlation exists between copper and cobalt (r^2=0.47). Correlations also exist between cobalt and gold (r^2=0.37), copper and gold (r^2=0.25), and copper and manganese (r^2=0.34).

8.1 Monster West and Southwest Area

Soil sampling in the Monster Southwest area (Figure 14) was designed to confirm and extend soil anomalies from previous work. A strong, 300 metre wide anomaly (6 samples at 50 m spacing) down slope from the northern extension of the Choc-Zappa Zone was detected in 1994 (Baknes, 1995). This anomaly thins up-slope to a single moderate copper anomaly closer to the mineralized zone, as the 1998 sampling crossed the mineralized zone in one sample (100 metre spacing). Sampling in the Choc-Zappa Zone area has delineated the mineralized area on the ridge top quite well.

A single soil line was completed on the west side of the main north-south valley in the Monster Southwest area. Several samples with weakly to moderately anomalous copper values and weakly to very highly anomalous cobalt values occur down slope from mixed breccia and Gillespie Lake Group rocks. No mapping was done in this area in 1998.

Soil sampling in the west part of the Monster West area (Figure 15), contiguous to the sampling in the Monster Southwest, did not detect any anomalous values of copper, gold or cobalt. The contour lines were designed to pick up any extensions of the mineralized zones between the Monster West and Monster Southwest areas.

8.2 West Monster East Area

A large number of soil samples were collected in this area which not had any soil sampling done previously (Figure 15). The contour soil sampling located a strong copper-cobalt-gold anomaly in the northern part of the area. An arm of breccia (Lane, 1992), extends to the northwest from Cobalt Cirque over the ridge into this area. Several contour soil samples within the breccia near its north contact contain highly to very highly anomalous values for copper in soils on both sides of a north-trending ridge. As well, cobalt and gold values are moderately to highly anomalous in these samples. If connected through the ridge, this anomaly would represent at least a 500 x 200 metre area. Geological mapping has not been done in this part of the property but the strength of the anomaly suggests that it should be a target for future exploration.

A weak to moderate copper in soil anomaly is situated down slope and to the northeast of the Champagne Zone on the south rim of "The Donut". Another contour soil copper anomaly, including

highly anomalous results, is present 500 metres from the Champagne Zone on the north side of the valley. This may represent an extension of mineralization in this part of the Donut. The area between the Champagne Zone and the Champagne North does not contain any strongly anomalous soils suggesting that the mineralization is not continuous in that direction. However, further along the ridge to the northwest of the Champagne North, there is a fairly consistent moderate copper soil anomaly. This anomaly may connect to anomalous copper and cobalt in soil and rock results associated with breccia at the contact between Gillespie Lake dolomites and Quartet Group shales on a contour line to the southwest.

8.3 Monster East Area

A large area of fairly consistently anomalous copper, cobalt and gold values in soil samples occurs in the Cobalt Cirque to eastern Monster East area. In the Cobalt Cirque these values lie primarily southwest of the main fault zone at the mouth of the upper cirque. The anomalous values cross the ridge east of Cobalt Cirque to the grid area sampled in 1993. In this area, anomalous values are more widespread but centred on the fault zone. Anomalous values are spread over 1.2 kilometres from the Goblin Showing to the centre of the 1993 grid. The geology of this area is quite mixed but most of the geochemical response seems to be associated with breccia-sedimentary rock contacts. The spotty copper mineralization observed in this area could be the cause of the geochemical response.

A new soil anomaly was detected in the extreme northeast part of the Monster East area with very highly anomalous copper in two samples and several moderately to highly anomalous copper and cobalt results. Seven of eight samples contain anomalous results where the contour line wraps around the nose of the ridge, effectively covering an area of 500 x 200 metres. These values come from an area where breccia intrude the Gillespie Lake-Quartet contact. The contour soil line crosses a narrow breccia in Quartet sedimentary rocks on both sides of the ridge.

8.4 Cookie Claims

Several contour soil sample lines were done on the east Cookie Claims (Figure 18) to cover the area of the strong magnetic anomaly (EHW, 1997), and to follow up soil anomalies detected in 1994.

Two soil anomalies are apparent in the Cookie area. Down slope of the Jasper Zone, several samples are anomalous in copper, including two very highly anomalous samples, and moderately anomalous in cobalt and gold. The second anomalous area is near the O'Hara Showing where two samples in a row returned very highly anomalous copper results. Cobalt and gold are moderately anomalous in these samples. Notably, these high values do not occur directly down slope from the O'Hara Showing possibly indicating additional mineralization in that area. Samples which were taken outside the breccia complex in this area were not anomalous.

Anomalous results in zinc and lead were also picked up by the soil sampling on the Monster Property. Several contour lines detected very highly anomalous results in zinc, and moderately to highly anomalous lead, in Gillespie Lake carbonates along the north contact of the The Donut. The values range up to 4940 ppm for zinc and 214 ppm for lead. The contour lines with anomalous Zn-Pb values represent about 1.5 kilometres of strike along the contact. In the Monster Southwest area, one sample contained 4300 ppm Pb but only 734 ppm Zn, also in Gillespie Lake dolomite. The source of this mineralization is likely similar to sample 709681 from dolomite in the area of the Champagne North Zone which returned 23.4% Zn and 5.70% Pb.

9.0 DISCUSSION AND RECOMMENDATIONS

The geological framework for the Monster Project has been filled out by mapping and sampling in areas not previously examined, or very cursorily examined, such as the east and southeast Cookie Claims, the west part of the Monster East area, and in the vicinity of the Choc Zone in the Southwest Monster area. The work has also provided more detail in some areas previously worked, particularly the Cobalt Cirque area. Several new areas of mineralization have been identified on the Monster Project as a result of the work in 1998.

The Monster Property is primarily underlain by sedimentary rocks, including dolomitic rocks of the Gillespie Lake Group, shale, siltstone, wacke, and pebble conglomerate of the Quartet Group, and mixed shale and dolomite of the Farichild Lake Group, all members of the Proterozoic Wernecke Supergroup. The breccias observed on the Monster Property occur commonly at the contact between dolomitic and pelitic rocks, usually at the Quartet-Gillespie Lake contact.

The Monster Project encompasses an extensive breccia complex. This complex is quite heterogeneous with mixing of homolithic and heterolithic breccia and weakly to unbrecciated host rock. Diorite is a common, though volumetrically small component of the complex. Heterolithic breccias are considerably less common than homolithic breccia and crackle brecciated host rocks. The most common alteration observed in the breccias is carbonatization with hematization (only minor specularite) and chloritization. Carbonatization is especially noticeable in the homolithic breccias whereas specularite is present in most heterolithic breccias. Magnetite was only observed in the breccia complex in the southeast Cookie Claims. The ubiquitous presence of carbonate (primarily dolomite-ankerite-siderite) is possibly due the common spatial association of the breccias with dolomite of the Gillespie Lake, and/or Fairchild Lake Group sedimentary rocks of the Wernecke Supergroup. The dolomitic rocks are very commonly altered to a silica-carbonate rock which may or not have had original textures (such stromatolites) preserved. These alteration zones are quite extensive locally, such as the Jasper Zone on the Cookie Claims, which is about 200 m x 400 m in area.

Several major structures have been identified both by regional mapping and by interpretation of the airborne geophysical survey (EHW, 1997). The main fault trends are oriented northeast-southwest and northwest-southeast, roughly perpendicular to each other. The mapping on the Monster Property in 1998 confirms these structural directions as important components along the trend of the breccia complex. The intersection of these structural elements is commonly the locus of mineralization. On a more detailed scale, north-northeast to north-northwest faults commonly control the distribution of mineralization.

Based on the cumulative work to date on the Monster property, two areas standout as having the most potential for hosting a significant Cu-Au-Co deposit. Although not extensively worked in 1998, the Monster West area (Figure 5), especially the East Cu-Co area, seems to have indications of a large hydrothermal system, wide spread mineralization and alteration and strong structural control. The area to the north and east of the East Cu-Co showing has a significant, open soil geochemical anomaly which lies on the trend of mineralization mapped in 1994 along the northwest side of the main diorite body in this area. The trend of mineralization and anomalous geochemistry follows structures interpreted from the 1996 airborne survey leading to a significant cross structure which is interpreted to lie just northeast of the East Cu-Co showing (EHW, 1997). This area should be the focus of further exploration on the property. The amount of outcrop declines in this area so ground geophysics may be the best way to test for and follow mineralization. A combination of induced polarization and magnetic surveys should provide enough control to target any significant anomalies. In conjunction, additional geological mapping and soil sampling should be done on the grid established for the geophysical surveys (minimum of approximately 15 line kilometres). Additional work on the 4900 Zone in the Monster West area should establish if there is any connection to the mineralization in the East Cu-Co area.

The high grade and widespread nature of the mineralization in the Cobalt Cirque area (Figure 7) makes it a strong target for more work. The mineralization at the Goblin Showing has only been traced over a small portion of its potential strike length due to overburden cover. Detailed geological mapping of this whole area should indicate the connection, if any, between the several showings in this area. Geophysical surveying could be useful in the area of the cirque floor where structures controlling the Goblin and Mark's Hi-Grade showings should intersect. Investigation of the mineralization in the grid area to the east of Cobalt Cirque is merited in light of the more recent interpretations of the airborne geophysical survey.

Effort should be made to investigate the strong soil anomaly at the north end of the West Monster East area (Figure 16). The size and tenor of the anomaly make it one of the better geochemical targets on the property. This anomaly is also situated at the intersection of strong northeast and northwest trending structures (EHW, 1997). Mapping and rock sampling in this area should be a priority.

Another area warranting more work would be the Champagne Zone area (Figures 6 and 7). The projection of the Champagne zone to the northeast is largely covered and there is indication that mineralization may continue sporadically into the Cobalt Cirque area. It is recommended that additional geological mapping be done to investigate the relationships between the various showings in this area, as well as the contact relationships of the sedimentary and breccia units of the "The Donut" which are not yet clear. The area between the Champagne Zone and the East Cu-Co Showing should be mapped in detail as it remains a large gap in the geological information on the Monster Property.

Work on the Cookie Claims did not fully explain the large magnetic anomaly in this area. Indications are that the anomaly is of very high intensity (EHW, 1997). The main surface evidence of this anomaly is widely scattered occurrences of magnetite in breccia and replacement zones in dolomite. These would seem to be insufficient to explain the intensity of the anomaly. The mag feature may be related to a deeper, larger hydrothermal system possibly worth further investigation. However, at present, the surface indications of mineralization in the Cookie Claims area do not assign the area a high priority.

The geochemical anomaly in the northeast part of the Monster East area is lacking a detailed geological understanding (Figure 17). This attractive anomaly is situated at the intersection of strong northeast trending structures and a major cross fault. The cross fault continues to the northwest where it intersects another northeast trending structure coincident with a strong, unexplained magnetic anomaly. Mapping in both these areas is recommended.

Finally, it is worth investigating the lead-zinc soil anomalies in Gillespie Lake Group rocks discovered by soil sampling on the north side of the The Donut and elsewhere. The Gillespie Lake Group is host to replacement lead-zinc mineralization elsewhere in the central Yukon. Although not the target type originally sought on the Monster Property, there is a considerable extent to the anomalies, especially in the West Monster East area where values up to 23.4% Zn and 5.7% Pb were returned in select samples.

Respectfully submitted,

EQUITY ENGINEERING LTD.

M. I. JONES
COLUMBIA
GEOSCIENTIST

Murray I. Jones, P.Geo.
Vancouver, British Columbia
February,1999

APPENDIX A

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BIBLIOGRAPHY

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APPENDIX B

LIST OF PERSONNEL

LIST OF PERSONNEL

Murray I. Jones (Project Geologist)
8606 144A St.
Surrey, B.C.
V3S 2Y2

Tim Sullivan (Senior Sampler)
207 - 675 West Hastings St.
Vancouver, B.C.
V6B 1N2

Tom Bell (Prospector)
207 - 675 West Hastings St.
Vancouvre, B.C.
V6B 1N2

Devon Holbek (Sampler)
207-675 West Hastings St.
Vancouver, B.C.
V6B 1N2

APPENDIX C

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES
MONSTER PROPERTY
Monster 1-265 Claims and Cookie 1-58 Claims
July 10 to 23, 1998

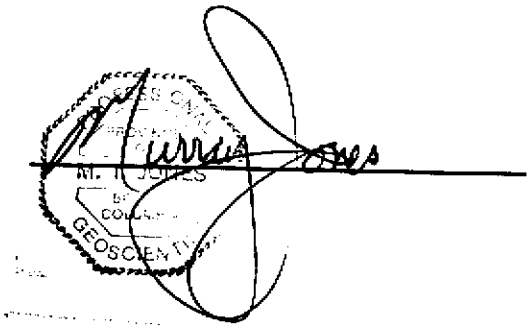
CANADA) In the matter of an evaluation program on the Monster Property

I, Murray I. Jones, of Equity Engineering Ltd., 207, 675 West Hastings Street, Vancouver, B.C. do solemnly declare that a program consisting of geological mapping, prospecting and rock and soil sampling was carried out on the Monster 1-265 and Cookie 1-58 Mineral Claims in the period July 9 to July 24, 1998. The following expenses were incurred during the course of this work and in the compilation and reporting of the results:

see table on following page

And I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

Declared before me at Vancouver in the)
Province of British Columbia this)
10th day of March, 1999)



Notary Public for the Province of British Columbia

EQUITY ENGINEERING LTD.
DAILY FIELD ACCOUNTING
Project: Monster
Date: July 1998

		UNITS	RATE	SUBTOTAL	TOTAL
WAGES:					
Project Geologist, Murray Jones, pre-field		7.5	$ 425	$ 3,187.50	
Project Geologist, Murray Jones, field		15	425	6,375.00	
Project Geologist, Murray Jones, data, report		17.25	425	7,331.25	
Project Geologist, Mark Baknes, field orientation		4.5	425	1,912.50	
Prospecter, Tom Bell		16	300	4,800.00	
Senior Sampler, Tim Sullivan		16	275	4,400.00	
Sampler, Devon Holbek		16	225	3,600.00	
Clerical		8.5	25	212.50	
					31,818.75
RENTALS (EQUITY AND NON EQUITY)					
Camp (mandays)		49	$ 25.00	$ 1,225.00	
Chainsaw		3	15.00	45.00	
Generator (1kvA)		13	10.00	130.00	
Truck (standby)		12	30.00	360.00	
Truck		4	80.00	320.00	
Hand-held radios(non EEL)		65	$6.00	390.00	
Truck 1(non EEL)		2	$40.00	80.00	
					2,550.00
SUBCONTRACTS					
Fixed Wing				2,632.31	
Helicopter				13,481.39	
					16,113.70
ANALYSES					
Soils		492	16.79	8,260.68	
Rock Geochem 1		113	19.01	2,148.13	
Assays				117.37	
					10,526.18
EXPENSES					
Accomodation				$ 1,145.00	
Airfare	@25% of total			474.34	
Automotive Fuel				373.14	
Aviation Fuel				465.68	
Camp Food				944.22	
Camp Supplies				1,010.84	
Communications				812.97	
Courier, Freight				222.80	
Expediting				638.39	
Freight				811.92	
Meals				505.61	
Printing & Repro				686.21	
Taxis, Parking, Tolls				41.99	
					$ 8,133.11
ESTIMATED POST-FIELD EXPENSES					
Drafting				$ 2,500.00	
					2,500.00
SUBTOTAL					71,641.74
PROJECT SUPERVISION CHARGE					
12% on expenditures up to $100,000				$ 8,597.01	
					8,597.01
	TOTAL				$ 80,238.75
G.S.T.			7%		5,616.71
	GRAND TOTAL				$ 85,855.46

APPENDIX D

ROCK SAMPLE DESCRIPTIONS

MINERAL ABBREVIATIONS

AK	ankerite	AS	arsenopyrite	BA	barite
BI	biotite	CA	calcite (or CC)	CL	chlorite
CP	chalcopyrite	CY	clay	EP	epidote
GE	goethite	GL	galena	HE	hematite
HS	specularite	JA	jarosite	KF	K-feldspar
MG	magnetite	MN	Mn-oxides	MS	sericite (or SE)
PO	pyrrhotite	PY	pyrite	QZ	quartz
SI	silica	SP	sphalerite	SM	smithsonite

ALTERATION INTENSITY

tr	trace	w	weak	m	moderate
		s	strong		

Rock Sample Descriptions

Project Name: Monster **Project:** BLK98-02 **NTS:** 116B/13,14

Sample Number	Grid North		Grid East		Type	Alteration	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597151	UTM	N	UTM	E	Grab	mCL, sQZ	3390	<5	295	9
Monster	Elevation 1300	m	Sample Width: 50	cm	Strike Length Exp: 1 m	Metallics: 0.3%CP, 0.3%MG, 0.5%P	Bi (ppm)	Pb (ppm)	Zn (ppm)	
	Orientation				True Width: 1 m	Secondaries: mGE, mHE, wMC	116	262	72	
					Host : Quartz					

Comments: Large quartz vein located at 159m on TSA1300

Sample Number	Grid North		Grid East		Type	Alteration	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597152	UTM	N	UTM	E	Grab		6430	<5	42	<.2
Monster	Elevation 1515	m	Sample Width: 1	m	Strike Length Exp: ? m	Metallics:	Bi (ppm)	Pb (ppm)	Zn (ppm)	
	Orientation				True Width: 1 m	Secondaries: ?GE, ?MC	4	14	118	
					Host :					

Comments: About 25m uphill from DH-s-9814

Sample Number	Grid North		Grid East		Type	Alteration	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597153	UTM	N	UTM	E	Grab	mCA, sSI, ?BA	125	145	3720	<.2
Monster	Elevation 5240	ft	Sample Width: 50	cm	Strike Length Exp: 20 m	Metallics: 0.01%CP, 0.05%CO	Bi (ppm)	Pb (ppm)	Zn (ppm)	
	Orientation				True Width: 50 cm	Secondaries: mER, wMC	4	14	16	
					Host : Fairchild dolomites					

Comments: Cobaltite

Sample Number	Grid North		Grid East		Type	Alteration	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597154	UTM	N	UTM	E	Grab	wCA, sQZ	12700	715	8640	1.6
Monster	Elevation 5300	ft	Sample Width: 0.5	m	Strike Length Exp: 20 m	Metallics: 0.5%CP, 0.1%CO	Bi (ppm)	Pb (ppm)	Zn (ppm)	
	Orientation				True Width: 0.5 m	Secondaries: mER, mMC		14	18	
					Host : Fairchild dolomites					

Comments: About 25m NW of 597154

Sample Number	Grid North		Grid East		Type	Alteration	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597155	UTM	N	UTM	E	Float		6710	<5	123	0.2
Monster	Elevation	m	Sample Width: 0	cm	Strike Length Exp:	Metallics:	Bi (ppm)	Pb (ppm)	Zn (ppm)	
	Orientation				True Width: 0 cm	Secondaries: wAZ, wHZ	2	18	22	
					Host : Dark, shaley, probably Quartet.					

Comments: Hydrozincite presence is very interesting. Just above 597154 top of the outcrop.

Sample Number	Grid North		Grid East		Type	Alteration	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597156	UTM	N	UTM	E	Select	wQZ.	83	<5	9	<.2
Monster	Elevation 1500	m	Sample Width: 0.5	m	Strike Length Exp: 2 m	Metallics: 90%HS	Bi (ppm)	Pb (ppm)	Zn (ppm)	
	Orientation				True Width: 0.5 m	Secondaries: wGE	<2	12	16	
					Host : Breccia					

Comments: Massive hematite vein, just checking for other mineralization. Located at 1425m on DH-98-01-S (between 98DH-014 and -015).

Rock Sample Descriptions

Project Name: Monster **Project:** BLK98-02 **NTS:** 116B/13,14

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sCB, wQZ, sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597157	UTM	N	UTM	E	Strike Length Exp: 7 m	Metallics: ?CP, ?CO	5030	100	1360	<.2
	Elevation 5300	ft	Sample Width: 2	m	True Width: 2 m	Secondaries: wAZ, mER, mMC, ?MN	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 155°/37° SW		Bedding		Host : Silica carbonate dolomite		6	16	14	

Comments: O'Hara Showing. Disseminated and vein related chalcopyrite minor cobaltite. Approximately 25m S of 597154.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597158	UTM	N	UTM	E	Strike Length Exp: 15 m	Metallics: 0.5%CP, 0.5%HS	2930	<5	48	<.2
	Elevation 5150	ft	Sample Width: 1	m	True Width: 1 m	Secondaries: wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation		Bedding		Host : Green diorite		<2	14	36	

Comments: In contact with Fairchild dolomite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597159	UTM	N	UTM	E	Strike Length Exp:	Metallics: 0.5%BO, 0.3%CP, ?TT, 0.	12600	30	84	6
	Elevation 1530	m	Sample Width: 0.5	m	True Width: 0.5 m	Secondaries: wAZ, mGE, mMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Fairchild dolomite			4	22	

Comments: Loose piece in place. Soiling needs follow-up-- very promising. Located at 1250m on TSS-9801

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597160	UTM	N	UTM	E	Strike Length Exp: 20 m	Metallics: ?AS, 0.5%PY	164	10	26	0.2
	Elevation 1530	m	Sample Width: 30	cm	True Width: 30 cm	Secondaries: wGE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Breccia		<2	6	12	

Comments: In gully above 597161 15m. 1025 m on contour line TSS-9801

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sSi	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597161	UTM	N	UTM	E	Strike Length Exp:	Metallics: ?AS, 0.5%PY	63	10	106	0.4
	Elevation 1530	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mGE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Brecciated dolomite		<2	32	40	

Comments: 1025m on TSS-9801

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sCA,	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597162	UTM	N	UTM	E	Strike Length Exp: 3 m	Metallics: 1%CP	22000	<5	10	1.6
	Elevation 1540	m	Sample Width: 30	cm	True Width: 30 cm	Secondaries: sGE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Breccia			8	26	

Comments: Large blebs of chalcopyrite. Chalcopyrite in surrounding breccia. 1025m on TSS-8901

Rock Sample Descriptions

Project Name: Monster **Project:** BLK98-02 **NTS:** 116B/13,14

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration:	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597163	UTM	N	UTM	E	Strike Length Exp: 40+ m	Metallics: ?AS, 0.5%CP	13100	<5	49	1
	Elevation 1525	m	Sample Width: 1.5	m	True Width: 0 cm	Secondaries: wAZ, wGE, mMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Diorite--> Fairchild dolomite			8	10	

Comments: 1150m on TSS-9801, above west end of lower lakes.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mCA, ?SI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597164	UTM	N	UTM	E	Strike Length Exp:	Metallics: 0.3%SP	126	<5	6	0.4
	Elevation 1550	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sHZ	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Gillespie Lake dolomite - calcite veins		<2	126	24900	

Comments: Very close to outcrop. No time to prospect. Lots of boulders with sphalerite. Found some galena as well. Very heavy rock with possible barite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mCA, wQZ, mSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597165	UTM	N	UTM	E	Strike Length Exp: 30 m	Metallics: trBO, trCP, trPY, ?CO	3870	<5	23	4.4
	Elevation 1435	m	Sample Width: 5	m	True Width: 2 m	Secondaries: wGE, mMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 241°/38° N		Bedding		Host : Black siliceous shale and dolomite		<2	40	340	

Comments: Located at 1994 contour line1430-285 S.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration:	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597166	UTM	N	UTM	E	Strike Length Exp:	Metallics:	4890	<5	26	5.6
	Elevation 1430	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host :		<2	36	260	

Comments: Same as previous, from 597166-597171 5m chip samples across continuous outcrop occasional oblong concretions in shale. Dolomite layers seem to carry disseminated mineralization throughout.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration:	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597167	UTM	N	UTM	E	Strike Length Exp:	Metallics:	2850	10	32	4
	Elevation 1430	m	Sample Width: 5	m	True Width: 0 cm	Secondaries:	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 252°/40° N		Bedding		Host :		<2	56	274	

Comments: Same as 597166 at CL 1430-275 S.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration:	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597168	UTM	N	UTM	E	Strike Length Exp:	Metallics:	16300	80	45	32
	Elevation 1430	m	Sample Width: 5	m	True Width: 0 cm	Secondaries:	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host :			28	108	

Comments: Same as previous.

Rock Sample Descriptions

Project Name: Monster **Project:** BLK98-02 **NTS:** 116B/13,14

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration:	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597169	UTM	N	UTM	E	Strike Length Exp:	Metallics:	4220	125	38	5.2
	Elevation	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 240°/44°				Host :		<2	16	136	

Comments: Same as 597168

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration:	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597170	UTM	N	UTM	E	Strike Length Exp:	Metallics:	5210	15	46	7
	Elevation 1430	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host :		<2	50	90	

Comments: Same as previous. Starting to see more dolomite with disseminated chalcopyrite and bornite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration:	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597171	UTM	N	UTM	E	Strike Length Exp:	Metallics:	2550	35	36	1.6
	Elevation 1430	m	Sample Width: 5	m	True Width: 0 cm	Secondaries:	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host :		<2	38	130	

Comments: Same as 597170

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mQZ, sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597172	UTM	N	UTM	E	Strike Length Exp: 30 m	Metallics: ?BO, ?CP, ?CO	14000	10	391	2
	Elevation 1445	m	Sample Width: 1	m	True Width: cm	Secondaries: sMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation		Bedding		Host : Silliceous dolomite			10	10	

Comments: Blebs of bornite. Found bornite disseminated in dolomite layers above. Needs more sampling. At CL1430-250 S First ledge above chip samples and north.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mCA, sCB	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597173	UTM	N	UTM	E	Strike Length Exp:	Metallics: 0.3%CP, 1%HS, 0.3%PY	596	<5	117	<.2
	Elevation 1360	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Breccia - dark		<2	2	10	

Comments: Very interesting boulder at west end of lake. Calcareous porphyroblasts throughout, some hematite - very hard doesn't scratch.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597174	UTM	N	UTM	E	Strike Length Exp:	Metallics:	1665	<5	82	<.2
	Elevation 1435	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host :		<2	4	10	

Comments: Same as previous -73. Followed float to base of black waterfall. Large VW Bug sized to small boulders. Spotted outcropping above. Not enough time to check completely.

Rock Sample Descriptions

Project Name: Monster **Project:** BLK98-02 **NTS:** 116B/13,14

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597175	UTM	N	UTM	E	Strike Length Exp: 4 m	Metallics: 1%CP, 0.3%PY, 0.3%CO	9320	70	2480	<.2
	Elevation 5300	ft	Sample Width: 4	m	True Width: 0 cm	Secondaries: wGE, wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation		Bedding		Host : Siliceous Fairchild dolomite		<2	6	6	
Comments: About 200 feet up from 98TSS-05 plus 75 metres.										

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sQZ, sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597176	UTM	N	UTM	E	Strike Length Exp:	Metallics: 0.1%CP	5000	<5	16	0.4
	Elevation 5000	ft	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sAZ, mMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Quartzite (with quartz veins)		<2	2	16	
Comments: At 98TSS-016										

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sQZ, sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597177	UTM	N	UTM	E	Strike Length Exp:	Metallics: 0.1%CP, ?TT	3830	<5	15	<.2
	Elevation 5120	ft	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sAZ, mMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Quartzite		<2	6	10	
Comments: Two soil samples in line up slope from 98TSS-016										

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mCA, mQZ, sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597178	UTM	N	UTM	E	Strike Length Exp: 25 m	Metallics: 0.2%BO, 0.3%CP, 0.1%P	13000	90	2140	3.6
	Elevation 1715	m	Sample Width: 50	cm	True Width: 0 cm	Secondaries: wAZ, mER, mGE, wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Breccia with diorite and dolomite			2	28	
Comments: Panther showing. 3 grab samples across 10m area. Very interesting! 10m above 98TSS-035										

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597179	UTM	N	UTM	E	Strike Length Exp:	Metallics:	2410	45	870	0.6
	Elevation 1710	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host :		<2	2	18	
Comments: Same as previous.										

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597180	UTM	N	UTM	E	Strike Length Exp:	Metallics:	741	100	1770	<.2
	Elevation 1710	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host :		<2	<2	22	
Comments: Same as 597178-79										

Rock Sample Descriptions

Project Name: Monster **Project:** BLK98-02 **NTS:** 116B/13,14

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration:	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597181	UTM	N	UTM	E	Strike Length Exp: 40+ m	Metallics: 1%CP, <1%PY	33400	10	32	9.6
	Elevation 1700	m	Sample Width: 2	m	True Width: 0 cm	Secondaries: mGE, sMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation		Bedding		Host : Breccia (dolomite)			10	60	

Comments: At 50m back from 98TSS-052

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration: sSI,	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597182	UTM	N	UTM	E	Strike Length Exp: 50 m	Metallics: 0.5%CP,	3210	<5	16	0.6
	Elevation 1350	m	Sample Width: 1	m	True Width: 0 cm	Secondaries: wJA, mHC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Dolomite		2	14	44	

Comments: Below 98TSS-090

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mCA, sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597183	UTM	N	UTM	E	Strike Length Exp: 1 m	Metallics: 0.5%BO, 0.5%CP	9080	<5	3	5.8
	Elevation 1300	m	Sample Width: 1	m	True Width: 0 cm	Secondaries: mMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Dolomite		2	22	188	

Comments: Just below 98TSS-111 on round ridge.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mCA, wQZ, mSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597184	UTM	N	UTM	E	Strike Length Exp:	Metallics: trBO, 0.3CP, ?PY	7170	<5	41	4.2
	Elevation 1650	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 295°/75°		Bedding		Host : Black shales with concretionary balls		2	16	30	

Comments: Black shale unit, appears dolomite above has massive pyrite section, sample # 98TSS-136 in contact with dolomite and breccia.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597185	UTM	N	UTM	E	Strike Length Exp:	Metallics: 0.5%CP, 1%PY	14100	35	70	3.4
	Elevation 1655	m	Sample Width: 4	m	True Width: 0 cm	Secondaries: sGE, mMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Shale			560	310	

Comments: Above 597184 5m as well as 98TSS-138.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597186	UTM	N	UTM	E	Strike Length Exp:	Metallics: trBO, 0.5%CP, trCC	997	<5	7	<.2
	Elevation 1630	m	Sample Width: 3	m	True Width: 0 cm	Secondaries: mGE, mHE, wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Silicified dolomite		2	8	14	

Comments: Some really nice float below with bornite, trying to trace in outcropping. Nice trail of bornite through talus. This is the south side of a small gully, looks like a contact in the gully (above camp).

Rock Sample Descriptions

Project Name: Monster **Project:** BLK98-02 **NTS:** 116B/13,14

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI,	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597187	UTM	N	UTM	E	Strike Length Exp: 50 m	Metallics: 0.5%BO, 0.5%CP	1180	<5	7	0.2
	Elevation 1645	m	Sample Width: 1	m	True Width: 0 cm	Secondaries: mGE, mHE, wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Silicified dolomite		2	12	26	

Comments: 15m up from 597186, 597188 is 15m south of this.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597188	UTM	N	UTM	E	Strike Length Exp: 20 m	Metallics: 0.3%BO, 0.5%CP	3670	<5	9	0.4
	Elevation 1650	m	Sample Width: 1	m	True Width: 0 cm	Secondaries: wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Silicified dolomite		<2	10	16	

Comments: 15m south of 597187

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration:	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597190	UTM	N	UTM	E	Strike Length Exp: 10 m	Metallics: 1%CP	1470	<5	21	<.2
	Elevation 1670	m	Sample Width: 0.5	m	True Width: 0.5 m	Secondaries: wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Silicified dolomite		<2	14	38	

Comments: Zappa Zone, lots of mineralized float below cliff, cobaltite, bornite, etc.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration: sSi	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597191	UTM	N	UTM	E	Strike Length Exp: 25 m	Metallics: 0.5%BO, 1%CP, ?CO	7460	<5	300	<.2
	Elevation 1675	m	Sample Width: 5	m	True Width: 15 m	Secondaries: wAZ, mGE, wHE, mMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Siliceous dolomite		40	4	8	

Comments: Zappa zone. Chip starts on ledge above base of cliff, 5m ,goes straight up 5m, looks good. Higher not accessible. At top of sample high grade, will select.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sSi	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597192	UTM	N	UTM	E	Strike Length Exp: 2 m	Metallics: 0.3%BO, 1%CP, ?PY, 0.1	48200	<5	597	3
	Elevation 1680	m	Sample Width: 50	cm	True Width: 0 cm	Secondaries: wAZ, sGE, mMC, sMN	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Siliceous dolomite			20	16	

Comments: Zappa Zone. On cliff above 597191

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597193	UTM	N	UTM	E	Strike Length Exp:	Metallics: 0.5%BO, 0.5%CP, 0.5%C	12900	10	1060	1.4
	Elevation 1670	m	Sample Width: 0.5	m	True Width: 0.5 m	Secondaries: mAZ, wER, mMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Siliceous dolomite.			12	16	

Comments: Float against base of cliff. Hard to locate above cliff, maybe 25m higher at most.

Rock Sample Descriptions

Project Name: Monster **Project:** BLK98-02 **NTS:** 116B/13,14

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration:	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
597194	UTM	N	UTM	E	Strike Length Exp: 15 m	Metallics:	4310	10	10	1.4
	Elevation 1600	m	Sample Width: 0.5	m	True Width: 0.5 m	Secondaries:	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Siliceous Dolomite		2	8	12	

Comments: Close to shale contact, just below and west of old sample #10704.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sCB, wCL	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709551	UTM	N	UTM	E	Strike Length Exp: >100 m	Metallics: 0.5-1%CP, 1-3%HS, tr?PY	916	<5	5	0.2
	Elevation 1550	m	Sample Width: 2.2	m	True Width: cm	Secondaries: wGE, trMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Fairchild Lake dolomite		6	12	14	

Comments: Fairchild Lake dolomite - extends up/down slope-bedding difficult to find- no brecciation apparent - fracture and replacement mineralization.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sCB, wCL, ?KF, mQA	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709552	UTM	N	UTM	E	Strike Length Exp: 750 m	Metallics: 0.25-1%CP, 1-2%HS, ?PY	4530	15	15	0.8
	Elevation 1600	m	Sample Width: 6.8	m	True Width: 6.8 m	Secondaries: wGE, wHE, mMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 077°/76° SE		Bedding		Host : Dolomite - quartz/dolomite layering - Fe-carbonate rich zone		4	12	20	

Comments: Fairly evenly mineralized over width, chalcopyrite in fractures, veinlets, blebs in Fe-carbonate. Malachite on fractures - quite common - about equal to chalcopyrite in contact.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCB, sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709553	UTM	N	UTM	E	Strike Length Exp: >50 m	Metallics: 0.5%CP	1150	<5	8	<.2
	Elevation 1710	m	Sample Width: 1	m	True Width: 20 cm	Secondaries: wGE, wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 040°/63° SE		Bedding		Host : Dolomite - silica/Fe-carbonate layered		<2	12	12	

Comments:

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mCB, mSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709554	UTM	N	UTM	E	Strike Length Exp: 5 m	Metallics: 0.25-0.5%CP, trPY	3640	<5	7	1
	Elevation 1815	m	Sample Width: 1.6	m	True Width: 1.6 m	Secondaries: wGE, trMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Heterolithic breccia/homolithic breccia		<2	12	14	

Comments: Jasper and Fe-carbonate zone in hetero/homolithic breccia transition adjacent to phyllite unit - Upper Jasper Zone.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mCB, wCL, ,?KF, wSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709555	UTM	N	UTM	E	Strike Length Exp:	Metallics: 1%CP	2120	5	21	<.2
	Elevation 1700	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Heterolithic breccia		<2	2	18	

Comments: 2-3cm chalcopyrite pod or clast in heterolithic breccia from ridge top - no other occurrence found in talus nearby.

Rock Sample Descriptions

Project Name: Monster **Project:** BLK98-02 **NTS:** 116B/13,14

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mCB, wCL,mSI, mJD	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709556	UTM	N	UTM	E	Strike Length Exp: 15 m	Metallics: trPY	33	<5	4	<.2
	Elevation 1750	m	Sample Width: 5	m	True Width: 5 m	Secondaries:	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Shale/chert/carbonate		<2	2	30	

Comments: Unit adjacent saddle, in fault zone?

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709557	UTM	N	UTM	E	Strike Length Exp: 20 m	Metallics: ?PY	21	<5	1	<.2
	Elevation 1745	m	Sample Width: 2	m	True Width: 2 m	Secondaries: sJa	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 143°/71° SW		Bedding		Host : Silica altered dolomite, or Chert		<2	18	2	

Comments: Strongly fractured, no fresh sulphide observed.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: wCB, sCL	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709558	UTM	N	UTM	E	Strike Length Exp: 30 m	Metallics: 0.5%SP	6400	10	53	0.8
	Elevation 1730	m	Sample Width: 2.5	m	True Width: 2 m	Secondaries: wGEm wJA, mMC, wHE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 145°/70° NE		Fault		Host : Diorite/heterolithic breccia		<2	8	44	

Comments: Mixed dyke breccia - diorite seems to be following structure parallel to shale contact.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: wCb, mCL, mQZ	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709559	UTM	N	UTM	E	Strike Length Exp: 15 m	Metallics: 1%CP	5720	5	28	0.8
	Elevation 1530	m	Sample Width: 4	m	True Width: 4 m	Secondaries: wAZ, wGE, mMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Diorite/shale		<2	6	30	

Comments:

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB, wCL	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709560	UTM	N	UTM	E	Strike Length Exp:	Metallics: trBO, 2-3%CP, ?PY	4430	35	29	0.6
	Elevation 1520	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Silica/Fe-carbonate altered dolomite - homolithic breccia		<2	2	8	

Comments: Chalcopyrite as patches in homolithic breccia matrix, in quartz veins, boronite? - small disseminated blebs. Malachite fracture coatings.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mCB, wCL, wQZ, wSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709561	UTM	N	UTM	E	Strike Length Exp:	Metallics: trBO, 1-2%CP, trCO	2730	<5	890	0.4
	Elevation 1530	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wAZ, wER, wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Altered diorite?, or dolomite		<2	2	22	

Comments: Possible chloritic phenocrysts - massive rock.

Rock Sample Descriptions

Project Name: Monster **Project:** BLK98-02 **NTS:** 116B/13,14

Sample Number:	Grid North:	N	Grid East:	E	Type: Channel	Alteration: mCB, mCLm wKF, wQZ, m	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709562	UTM	N	UTM	E	Strike Length Exp: >20 m	Metallics: 0.5%CO, 0.5%CP	1625	<5	766	0.4
	Elevation 1575	m	Sample Width: 5.6	m	True Width: 5.6 m	Secondaries: trAZ, wER, wGE, trMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 097°/36° S		Bedding		Host : Silica, Fe-carbonate dolomite/diorite		<2	4	22	

Comments: Zone covers contact between dolomite and diorite sill. Extends over 20 x 15m area in cliff.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mCB. mSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709563	UTM	N	UTM	E	Strike Length Exp: >50 m	Metallics: trCP, trCO	210	10	570	0.2
	Elevation 1530	m	Sample Width: 1	m	True Width: 1 m	Secondaries: trER, wGE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Massive? Dolomite - weak silica		<2	8	86	

Comments:

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mCB, sCL, wQZ	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709564	UTM	N	UTM	E	Strike Length Exp: 25 m	Metallics: tr-0.25%CP	396	10	27	0.2
	Elevation 1665	m	Sample Width: 3.2	m	True Width: 3.2 m	Secondaries:	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Chloritic heterolithic breccia		<2	6	70	

Comments: Small area of chlorite rich Bt, chalcopyrite as disseminations in matrix and clasts, local only.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: wCB, mCL, mKF	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709565	UTM	N	UTM	E	Strike Length Exp: 20 m	Metallics: 0.5%CP	3870	<5	33	0.2
	Elevation 1765	m	Sample Width: 1	m	True Width: 1 m	Secondaries: wGE, wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 095°/50° S		Joint		Host : Diorite, medium grained		<2	4	54	

Comments: Chalcopyrite seams/veinlets, disseminated blebs in fractures in potassium feldspar altered zone.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: wCB, sCL, wQZ	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709566	UTM	N	UTM	E	Strike Length Exp: 10 m	Metallics: 2%PY	124	5	232	0.6
	Elevation 1815	m	Sample Width: 2	m	True Width: 2 m	Secondaries: sGE, wJA	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 100°/80° S		Fault		Host : Diorite		<2	12	138	

Comments: Shear in diorite near contact with shale. Main pyrite seam, minor disseminated pyrite

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCB, wCL	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709567	UTM	N	UTM	E	Strike Length Exp: 5 m	Metallics: trCP, trPY	47	<5	10	<.2
	Elevation 1830	m	Sample Width: 2	m	True Width: 0 cm	Secondaries: wHE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Homolithic breccia, dolomite/shale- Fairchild Lake?		<2	6	14	

Comments: Near lineament from EHW- found one bleb of chalcopyrite, trace disseminated pyrite in float around outcrop.

Rock Sample Descriptions

Project Name: Monster **Project:** BLK98-02 **NTS:** 116B/13,14

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mQZ, sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709568	UTM	N	UTM	E	Strike Length Exp: 20 m	Metallics:	24	<5	9	0.2
	Elevation 1770	m	Sample Width: 5	m	True Width: 5 m	Secondaries: mGE, wJA	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 070°/80° SE		Bedding		Host : Chert?, silica dolomite?		<2	2	12	
Comments:	Within dolomite/shale section.									

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration: sCB, sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709569	UTM	N	UTM	E	Strike Length Exp: 40 m	Metallics: trPY	95	<5	24	<.2
	Elevation 1840	m	Sample Width: 5	m	True Width: 0 cm	Secondaries: wGE,sHE, trMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Silica, Fe-carbonate dolomite		<2	2	42	
Comments:	Trace malachite in float- grab of random pieces of subcrop									

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCB, wSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709570	UTM	N	UTM	E	Strike Length Exp: 10 m	Metallics: trCP	1415	125	18	3.2
	Elevation 1905	m	Sample Width: 2	m	True Width: 2 m	Secondaries: wGEm mMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 162°/48° E		Bedding		Host : Dolomite/shale brecciated		14	70	20	
Comments:	Chalcopyrite in fractures along altered dolomite, malachite throughout.									

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mCB, wQZ	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709571	UTM	N	UTM	E	Strike Length Exp: 15 m	Metallics: 0.5%CP	1715	<5	16	1
	Elevation 1910	m	Sample Width: 2	m	True Width: 2 m	Secondaries: wGE, wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host :		<2	26	86	
Comments:	2.5m wide breccia stockwork at contact of dolomite/shale, in shale.									

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCB, wSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709572	UTM	N	UTM	E	Strike Length Exp: 10 m	Metallics: trPY	16	<5	3	<.2
	Elevation 1315	m	Sample Width: 1.5	m	True Width: 1.5 m	Secondaries: wGE, wMN	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 115°/50° SW		Bedding		Host : Shale/wacke		<2	8	32	
Comments:	Pyrite seems to be concentrated in coarser grained beds.									

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB, sCL	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709573	UTM	N	UTM	E	Strike Length Exp:	Metallics: tr?BO, 0.5%CP,	3240	10	26	1.6
	Elevation 1415	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: tr?CC,wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Heterolithic breccia, diorite		<2	2	142	
Comments:	Float boulder immediately below cliff, isolated.									

Rock Sample Descriptions

Project Name: Monster **Project:** BLK98-02 **NTS:** 116B/13,14

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mCB, wQZ	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709574	UTM	N	UTM	E	Strike Length Exp: 30 m	Metallics: tr?PY	26	<5	14	<.2
	Elevation 1300	m	Sample Width: 2	m	True Width: 2 m	Secondaries: wGE, wMN	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 165°/30° SW		Bedding		Host : Shale, minor slts		<2	18	42	

Comments: Weaker alteration than noted in this unit in camp creek.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mCB, wQZ, wSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709575	UTM	N	UTM	E	Strike Length Exp:	Metallics: 0,5%CP	2120	<5	43	1.2
	Elevation 1285	m	Sample Width:	cm	True Width: 0 cm	Secondaries: mGE, wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Silica - Fe-carbonate dolomite		6	36	506	

Comments: Chalcopyrite as blebs in veinlets, fractures in Fe-carbonate rich sections of dolomite unit. Sampled float over 10 x 10 m area.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mCB, wQZ, mSD	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709576	UTM	N	UTM	E	Strike Length Exp: 10 m	Metallics: 0.5%CP	168	<5	8	<.2
	Elevation 1425	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries: wGE, wMN	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 060°/90°		Vein		Host : Carbonitized shale/wacke		<2	6	38	

Comments: 5-15cm wide siderite vein cuts sediments, Mn-oxide stain. Chalcopyrite occurs in later veinlets.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mCB, mSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709577	UTM	N	UTM	E	Strike Length Exp:	Metallics: 2-3%BO, 1-2%CP	7170	10	16	3.8
	Elevation 1575	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Homolithic breccia dolomite		2	390	108	

Comments: Rare float, only mineralized piece found in this area, 50 x 50 m.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mCB, mSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709578	UTM	N	UTM	E	Strike Length Exp:	Metallics: 0.5%BO, 1%CP, 0.5%CO	7030	75	1795	2.8
	Elevation 1650	m	Sample Width: 0.3	m	True Width: 0.3 m	Secondaries: wER, wGE, wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Altered dolomite		<2	2	42	

Comments: Sample across bedding in boulder in float.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mCB, w?KF, mSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709579	UTM	N	UTM	E	Strike Length Exp: >3? m	Metallics: 0.5-1%BO, 0.5-1%CP	3630	10	138	1.6
	Elevation 1820	m	Sample Width: 5.6	m	True Width: 5.6 m	Secondaries: wAZ, wGE, wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 151°/75° NE				Host : Dolomite at shale contact		<2	8	52	

Comments: Strong mineralization to cliff at one end, had to stop sample- representative grab from centre of gully to west wall.

Rock Sample Descriptions

Project Name: Monster **Project:** BLK98-02 **NTS:** 116B/13,14

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: wCB, wSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709580	UTM	N	UTM	E	Strike Length Exp: >30 m	Metallics: trCO	47	50	2810	<.2
	Elevation 1840	m	Sample Width: 3	m	True Width: 3 m	Secondaries: mER, mHE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 155°/75° NE		Bedding		Host : Dolomite at shale contact		<2	6	28	

Comments: Homogenous rock - weak brecciation - with hematite. Cobaltite patchy, erythrite on most fractured surfaces.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mCB, mSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709581	UTM	N	UTM	E	Strike Length Exp: >30 m	Metallics: 0.5%CP, 0.25%CO	636	<5	546	0.2
	Elevation 1835	m	Sample Width: 7.2	m	True Width: 7.2 m	Secondaries: wER,wGE, trMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Dolomite, silica - Fe-carbonate alteration		<2	<2	22	

Comments: Rep. grab, sample direction was down slope and may be biased against fracture controlled mineralization.(i.e.. parallel to sample direction)

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wQZ. mSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709582	UTM	N	UTM	E	Strike Length Exp: 25 m	Metallics: trPY	34	<5	11	0.2
	Elevation 1710	m	Sample Width: 2	m	True Width: 2 m	Secondaries: wGE. sJA	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Silica dolomite - breccia		<2	32	12	

Comments: Silicified rock, brecciated, possibly related to fault. Clay altered rock adjacent.

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration: wCB, mCL, wSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709583	UTM	N	UTM	E	Strike Length Exp: 15 m	Metallics: 1%CP	2760	70	98	<.2
	Elevation 1635	m	Sample Width: 1.3	m	True Width: 1.3 m	Secondaries: wGE, wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 060°/60° NE		Joint		Host : Diorite/heterolithic breccia		2	<2	30	

Comments: Mineralized zone at both contacts of diorite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mCB, wI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709584	UTM	N	UTM	E	Strike Length Exp: 15 m	Metallics: 0.25-0.5%CP	288	5	74	<.2
	Elevation 1500	m	Sample Width: 20	cm	True Width: 20 cm	Secondaries: wGE, mHE, wMN	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 101°/15° NE		Bedding		Host : Maroon coloured shale/silt stone		<2	<2	2	

Comments: Near heterolithic breccia contact-maroon colour due to hematization.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mCB, wCL, wSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709585	UTM	N	UTM	E	Strike Length Exp: 20 m	Metallics: trCP	2230	<5	30	<.2
	Elevation 1500	m	Sample Width: 3.6	m	True Width: 3.6 m	Secondaries: mGE, mMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 058°/79° NW		Bedding		Host : Dolomite		<2	<2	62	

Comments: Malachite fracture coatings in dolomite, sandwiched between heterolithic breccia and diorite.

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Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mCB, sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709586	UTM	N	UTM	E	Strike Length Exp: 20 m	Metallics: tr-0.25%CP, trPY	523	<5	19	<.2
	Elevation 1550	m	Sample Width: 3.2	m	True Width: 3.2 m	Secondaries: wGE, trMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 010°/90°		Joint		Host : Silica dolomite		<2	6	12	

Comments: Silica portion of outcrop- note copper mineralization in outcrop is much less than is apparent in float below outcrop - representative grab.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sCB, mSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709587	UTM	N	UTM	E	Strike Length Exp: 20 m	Metallics: trCP	294	<5	9	<.2
	Elevation 1550	m	Sample Width: 2.8	m	True Width: 2.8 m	Secondaries: wGE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 010°/90°		Joint		Host : Silica - Fe-carbonate dolomite		2	8	16	

Comments: Fe-carbonate rich. Silica - Fe-carbonate adjacent to 586 (contiguous) - composite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: mCB, mSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709588	UTM	N	UTM	E	Strike Length Exp: 75 m	Metallics: trBO, 0.5%CP, 1%HS, ?C	870	<5	22	<.2
	Elevation 1635	m	Sample Width: 4	m	True Width: 4 m	Secondaries: trAZ, wGE, wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 175°/52° E		Bedding		Host : Silica - Fe-carbonate dolomite		2	12	46	

Comments: Composite chip - perpendicular to bedding- mineral may be more closely oriented parallel to fault at 020/80 E.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mCB, mSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709589	UTM	N	UTM	E	Strike Length Exp:	Metallics: tr?BO, 1k-2%CP	3190	<5	22	0.2
	Elevation 1635	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: trAZ, wGE, wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Silica - Fe-carbonate dolomite		2	4	20	

Comments: Composite of several subcropping boulders - some of the better mineralization.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: mCB, sQZ	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709651	UTM	N	UTM	E	Strike Length Exp:	Metallics: 1-2%BO, 1-2%CP	5180	35	29	0.2
	Elevation 4630	ft	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mHE, mJA, mMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Fairchild Dolomites		2	10	14	

Comments: Float in big chute, chalcopyrite, possible bornite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB, mCL	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709652	UTM	N	UTM	E	Strike Length Exp:	Metallics: 3-5%CP	3310	10	33	0.2
	Elevation 4900	ft	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sHE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Breccia		4	14	20	

Comments: Large float boulder on west side of gully, nice looking chalcopyrite.

Rock Sample Descriptions

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Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: wQZ, sCL, mCB	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709653	UTM	N	UTM	E	Strike Length Exp: 10+ m	Metallics: 1?%BO, 1-3%CP, 30-50%	1310	15	153	<.2
	Elevation 5000	ft	Sample Width: 2	m	True Width: 2 m	Secondaries: sHE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 070°/00°		Fault		Host : Heterolithic Breccia		<2	30	28	

Comments: Fault in breccia, mineralization for 1m on either side.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCL, sQZ	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709654	UTM	N	UTM	E	Strike Length Exp:	Metallics: tr-1%CP, 10%HS	8790	<5	59	1.4
	Elevation 5250	ft	Sample Width: 5	m	True Width: 5 m	Secondaries: wAZ, sHE, sJA, sMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Homolithic breccia		<2	16	34	

Comments: Taken across poorly exposed subcropping. Fresh breccia above with traces of chalcopyrite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sCB, wCL, sQZ	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709655	UTM	N	UTM	E	Strike Length Exp: 25+ m	Metallics: 1%BO, 1-2%CP, 5%HS	7300	130	90	1
	Elevation 5420	ft	Sample Width: 5	m	True Width: 5 m	Secondaries: mHE, mJA, sMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 090°/00° OO		Vein		Host : Breccia and Dolomite		6	114	12	

Comments: Laminated jasper, quartz veln, run 090 degrees down side gully. Some bornite and malachite crystals.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCL	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709656	UTM	N	UTM	E	Strike Length Exp:	Metallics: 5-7%PY	70	<5	184	<.2
	Elevation 5900	ft	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sHE, sJA	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Heterolithic breccia		<2	10	24	

Comments:

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: wCB, sCL, wKF	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709657	UTM	N	UTM	E	Strike Length Exp: 7 m	Metallics: 1-2%CP	4300	<5	45	<.2
	Elevation 5490	ft	Sample Width: 7	m	True Width: 7 m	Secondaries: mHE, mJA,sMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Breccia		<2	12	22	

Comments: Representative grab across 5m x 7m mineralized zone. 75m x 25m breccia body intruding dolomite.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCL	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709658	UTM	N	UTM	E	Strike Length Exp:	Metallics: >1%CP	1295	<5	34	<.2
	Elevation 1525	m	Sample Width: 3	m	True Width: 3 m	Secondaries: mHE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Breccia (heterolithic)		<2	8	104	

Comments: Cobalt Cirque-Representative grab across outcropping for 3m, jasper fragments. Location is not flagged.

Rock Sample Descriptions

Project Name: Monster **Project:** BLK98-02 **NTS:** 116B/13,14

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709659	UTM	N	UTM	E	Strike Length Exp:	Metallics: 75%CP	448000	510	9820	24.2
	Elevation 1460	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sHE, sJA, sMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Dolomite			172		

Comments: 5cm wide massive chalcopyrite - calcite vein in large boulder. Disseminated chalcopyrite elsewhere in boulder.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCB, mCL	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709660	UTM	N	UTM	E	Strike Length Exp:	Metallics: trCP	159	<5	20	0.2
	Elevation 1475	m	Sample Width: 20	m	True Width: 20 m	Secondaries: w-mHE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Heterolithic breccia/dolomite		<2	4	44	

Comments: Representative grab across breccia - dolomite contact.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mCB, sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709661	UTM	N	UTM	E	Strike Length Exp:	Metallics: 1-2%CP	2170	<5	145	0.2
	Elevation 1460	m	Sample Width: 5	m	True Width: 5 m	Secondaries: wHE, wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Dolomite		<2	6	58	

Comments: Representative grab across outcropping just west of 709659 boulder.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCB, mCL, sQZ	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709662	UTM	N	UTM	E	Strike Length Exp:	Metallics: trBO, 1-2%CP, tr-5%HS	4620	50	341	0.6
	Elevation 1460	m	Sample Width: 6	m	True Width: 6 m	Secondaries: mHA, mJA, sMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Breccia-dolomite		<2	14	102	

Comments: Representative grab across 2m dolomite bed adjacent to MB 546536 (high-grade bornite) plus 4m of breccia - east side of MB 546536 (TSS-9801-000 soil taken 50cm east of bornite vein)

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: wCB	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709663	UTM	N	UTM	E	Strike Length Exp:	Metallics: 1%CP, >1%CO	3030	<5	367	0.6
	Elevation 1485	m	Sample Width: 4	m	True Width: 4 m	Secondaries: sER, mHE, mMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Dolomite		<2	26	156	

Comments: Chip taken from MB 546540 flag 4m to the east.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: wCB,	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709664	UTM	N	UTM	E	Strike Length Exp:	Metallics: trCP	410	<5	65	<.2
	Elevation 1485	m	Sample Width: 3	m	True Width: 3 m	Secondaries: wER, wHE, wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Dolomite		<2	12	114	

Comments: Chip for 3m on west side of MB546540

Rock Sample Descriptions

Project Name: Monster **Project:** BLK98-02 **NTS:** 116B/13,14

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: sCB,	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709665	UTM	N	UTM	E	Strike Length Exp:	Metallics: 1-2%CP, trCO	5150	25	1265	0.4
	Elevation 1490	m	Sample Width: 3	m	True Width: 3 m	Secondaries: mHE, mJA	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Heterolithic breccia		<2	24	40	
Comments: Chip from dolomite contact for 3m in breccia										

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wCB	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709666	UTM	N	UTM	E	Strike Length Exp:	Metallics: CP	415	<5	20	<.2
	Elevation 1720	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Sediment		<2	8	34	
Comments: Platey layered sediments disseminated chalcopyrite.										

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: mCB, mQZ	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709667	UTM	N	UTM	E	Strike Length Exp:	Metallics: 3-5%CP, trPY	3660	<5	157	<.2
	Elevation 1840	m	Sample Width: 3	m	True Width: 3 m	Secondaries: sJA	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Banded sediments		2	4	18	
Comments: Broken up banded sediments at contact with breccia.										

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration: sCB, sCL	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709668	UTM	N	UTM	E	Strike Length Exp:	Metallics: 1-2%CP, 5%HS	1525	<5	46	0.2
	Elevation 4760	ft	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mHE, wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Breccia		<2	6	18	
Comments: Float on main north fork of southwest creek.										

Sample Number:	Grid North:	N	Grid East:	E	Type:	Alteration: sCB, mCL	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709669	UTM	N	UTM	E	Strike Length Exp:	Metallics: 1%CP, >1%HS	3020	<5	16	0.2
	Elevation 5360	ft	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wHE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Heterolithic breccia		<2	<2	6	
Comments: Taken on northwestern side of northeast bowl.										

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCL	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709670	UTM	N	UTM	E	Strike Length Exp:	Metallics: 1-2%CP, 30-40%HS	3900	<5	14	<.2
	Elevation 5640	ft	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mHE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Specular hematite breccia		<2	2	2	
Comments: Taken on northeastern side of basin.										

Rock Sample Descriptions

Project Name: Monster **Project:** BLK98-02 **NTS:** 116B/13,14

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wCL	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709671	UTM	N	UTM	E	Strike Length Exp:	Metallics: 1%CP	1675	10	31	0.2
	Elevation 1585	ft	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wHE, wJA, wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Breccia		<2	8	112	

Comments: Taken near the top end of camp creek.

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCB, sQZ	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709672	UTM	N	UTM	E	Strike Length Exp:	Metallics: 1%BO, 1-2%CP	5080	65	1050	1
	Elevation 1700	m	Sample Width: 5	m	True Width: 5 m	Secondaries: mAZ, mER, mHE, mJA,	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Breccia and sediments		<2	4	30	

Comments: Representative grab across Tim's "Panther" Showing, Just above TSS98-035

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: wCl, mSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709673	UTM	N	UTM	E	Strike Length Exp:	Metallics: 1-5%PY	68	<5	17	<.2
	Elevation 1850	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sGE, mHE, sJA	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Breccia		<2	30	36	

Comments: Subcrop taken in gossanous saddle above main Cobalt Cirque showing, adjacent to sediment contact.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: mCL	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709674	UTM	N	UTM	E	Strike Length Exp: 2 m	Metallics: 1-2%PY	27	<5	5	<.2
	Elevation 1875	m	Sample Width: 1.5	m	True Width: 1.5 m	Secondaries: sGE, sJA	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Breccia		<2	16	6	

Comments: Taken on ridge above Cobalt Cirque showing, 50m south of 709673

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sCB	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709675	UTM	N	UTM	E	Strike Length Exp: 50c m	Metallics: 1%CP, 1-2%HS, >1%PY	2840	10	17	<.2
	Elevation 1490	m	Sample Width: 50	cm	True Width: 50 cm	Secondaries: trAZ, wHE, wJA, trMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Breccia		<2	2	60	

Comments: 50cm wide area of mineralization. 15-20m north of sediment at contact. Chalcopyrite restricted to calcite stringers.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: mCCCL, sQZ	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709676	UTM	N	UTM	E	Strike Length Exp: 5 m	Metallics: 1-2%CP, 3-5%HS, 1-2%P	17100	<5	19	4.6
	Elevation 1535	m	Sample Width: 25	cm	True Width: 25 cm	Secondaries: sHE, wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 030°/56° NW		Bedding		Host : Black shale			36	56	

Comments: Taken at base of cliffs above first main bend in creek on west side of valley.

Rock Sample Descriptions

Project Name: Monster **Project:** BLK98-02 **NTS:** 116B/13,14

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709677	UTM	N	UTM	E	Strike Length Exp:	Metallics: 5-7%CP	113500	90	90	63.4
	Elevation 1575	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: mMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Dolomite			1415	220	

Comments: Taken near head of valley on west side

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709678	UTM	N	UTM	E	Strike Length Exp:	Metallics: 1-2%CP, 5-7PY	12800	20	117	12.6
	Elevation 1590	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: wGE, wHE, wJA	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Dolomite			2130	500	

Comments: Float taken 20m above 709677

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709679	UTM	N	UTM	E	Strike Length Exp: 20+ m	Metallics: tr-1%CP, tr-1%PY	789	50	25	<.2
	Elevation 1605	m	Sample Width: 7	m	True Width: 7 m	Secondaries: wHE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Dolomite		<2	16	26	

Comments: Outcropping 10m above 709678. 7m radius select grab. Chalcopyrite in almost every rock broken.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709680	UTM	N	UTM	E	Strike Length Exp:	Metallics: 10-20%PY	2570	40	45	12.8
	Elevation 1625	m	Sample Width: 15	cm	True Width: 15 cm	Secondaries: sGE, sHE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Dolomite		<2	1200	296	

Comments: Taken 20m above 709679. Lots of these pyrite pods along edge of outcrop exposure.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: sCB	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709681	UTM	N	UTM	E	Strike Length Exp:	Metallics: 1%GL	2340	20	47	11.8
	Elevation 1640	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries: sHE, sJA	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Dolomite?		<2	57000	234000	

Comments: Strongly weathered heavy boxwork float. Looks like most galena has been weathered out.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration:	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709682	UTM	N	UTM	E	Strike Length Exp:	Metallics: 1%AS, >1%CP	5890	10	288	6.8
	Elevation 1660	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Diorite		2	548	1900	

Comments: Taken 5m above 709681in talus.

Rock Sample Descriptions

Project Name: Monster **Project:** BLK98-02 **NTS:** 116B/13,14

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709683	UTM	N	UTM	E	Strike Length Exp:	Metallics: tr-1%CP	340	100	29	1.2
	Elevation 1625	m	Sample Width: 15	m	True Width: 15 m	Secondaries: wHE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Dolomites		<2	74	116	

Comments: 15m radius select grab in outcrop 30m above 709679.

Sample Number:	Grid North:	N	Grid East:	E	Type: Float	Alteration: 75%Ba	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709684	UTM	N	UTM	E	Strike Length Exp:	Metallics:	8	<5	1	<.2
	Elevation 1520	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Dolomite		<2	<2	88	

Comments: Barite float above Choc. Zone camp.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: wCB, sSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709685	UTM	N	UTM	E	Strike Length Exp:	Metallics: tr->1%CP	1005	<5	18	<.2
	Elevation 1665	m	Sample Width: 3	m	True Width: 3 m	Secondaries: wMC	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Dolomite		8	24	50	

Comments: Select grab across 3m outcropping.

Sample Number:	Grid North:	N	Grid East:	E	Type: Chip	Alteration: wCb, wSI	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709686	UTM	N	UTM	E	Strike Length Exp: 20+ m	Metallics: tr->1%CP	1155	5	9	0.6
	Elevation 1670	m	Sample Width: 1.5	m	True Width: 1.5 m	Secondaries: wHE, wJA	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Dolomite		10	6	34	

Comments:

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: mCB, mCL	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709687	UTM	N	UTM	E	Strike Length Exp: 2 m	Metallics: 3-5%HS, 1k-2%CO?	49	<5	7	<.2
	Elevation 1535	m	Sample Width: 0	cm	True Width: 0 cm	Secondaries:	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Breccia		<2	4	52	

Comments: Possible cobaltite at contact between breccia and silica altered breccia.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: wCB, mQZ	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709688	UTM	N	UTM	E	Strike Length Exp: 25+ m	Metallics: tr-1%CP	1755	<5	8	0.6
	Elevation 1400	m	Sample Width: 4	m	True Width: 4 m	Secondaries: wHE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation 170°/35° SW		Bedding		Host : Sediments		<2	<2	26	

Comments: Taken in east fork in gully below Choc. Zone.

Rock Sample Descriptions

Project Name: Monster **Project:** BLK98-02 **NTS:** 116B/13,14

Sample Number:	Grid North:	N	Grid East:	E	Type: Grab	Alteration: sCL	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709689	UTM	N	UTM	E	Strike Length Exp: 10+ m	Metallics: tr-1%cp, 10%hs	1240	<5	25	0.2
	Elevation 1250	m	Sample Width: 5	m	True Width: 5 m	Secondaries: wHE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Breccia		<2	<2	16	

Comments: Representative grab across MB596875 + 876 zone. Lower east fork in Choc. Zone basin. Sediment-breccia contact.

Sample Number:	Grid North:	N	Grid East:	E	Type: Select	Alteration: sCB, sCL,	Cu (ppm)	Au (ppb)	Co (ppm)	Ag (ppm)
709690	UTM	N	UTM	E	Strike Length Exp:	Metallics: 1-2%CP, 10-20%HS	4730	<5	46	0.2
	Elevation 1280	m	Sample Width: 5	m	True Width: 5 m	Secondaries: mHE	Bi (ppm)	Pb (ppm)	Zn (ppm)	
Monster	Orientation				Host : Sediments		<2	<2	26	

Comments: Taken on west side of main creek draw. Talus slope below is full of chalcopyrite in calcite veins.

APPENDIX E

CERTIFICATES OF ANALYSIS AND STATISTICAL TABLES

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Comments: ATTN: MURRAY JONES

A9825200

CERTIFICATE A9825200

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-02
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 26-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	18	Geochem ring to approx 150 mesh
226	18	0-3 Kg crush and split
3202	18	Rock - save entire reject
285	18	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	18	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	18	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	18	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	18	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	18	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	18	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	18	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	18	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	18	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	18	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	18	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	18	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	18	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	18	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	18	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	18	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	18	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	18	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	18	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	18	Pb ppm: 24 element, rock & core	AAS	2	10000
582	18	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	18	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	18	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	18	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	18	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Page Number : 1-A
Total Pages : 1
Certificate Date: 26-JUL-98
Invoice No. : I9825200
P.O. Number :
Account : EIA

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9825200

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
M597151	205	226	< 5	9.0	1.08	160	< 0.5	116	2.75	< 0.5	295	185	3390	8.87	0.03	1.90
M597152	205	226	< 5	< 0.2	7.47	820	0.5	4	1.91	< 0.5	42	69	6430	6.08	0.18	5.20
M597153	205	226	145	< 0.2	4.64	590	1.5	4	12.25	< 0.5	3720	47	125	1.88	2.60	7.52
M597154	205	226	715	1.6	3.42	440	1.0	Intf*	6.72	< 0.5	8640	130	>10000	3.18	1.85	3.53
M597155	205	226	< 5	0.2	7.91	540	3.0	2	0.10	< 0.5	123	72	6710	7.70	3.37	0.47
M597156	205	226	< 5	< 0.2	0.43	90	< 0.5	< 2	4.69	< 0.5	9	60	83	16.90	0.01	2.23
M597157	205	226	100	< 0.2	1.77	120	0.5	6	7.60	< 0.5	1360	82	5030	2.78	0.77	4.00
M597158	205	226	< 5	< 0.2	8.11	40	0.5	< 2	1.35	< 0.5	48	91	2930	6.43	0.25	3.73
M709551	205	226	< 5	0.2	0.61	80	< 0.5	6	17.05	< 0.5	5	33	916	2.65	0.31	9.57
M709552	205	226	15	0.8	1.96	130	0.5	4	10.00	< 0.5	15	59	4530	2.30	1.07	5.71
M709553	205	226	< 5	< 0.2	0.10	60	< 0.5	< 2	6.51	< 0.5	8	247	1150	1.56	0.05	2.94
M709554	205	226	< 5	1.0	0.53	60	< 0.5	< 2	7.28	< 0.5	7	147	3640	2.57	0.33	3.55
M709651	205	226	35	0.2	2.42	90	0.5	2	5.37	< 0.5	29	87	5180	2.73	0.80	4.16
M709652	205	226	10	0.2	4.67	40	< 0.5	4	6.34	< 0.5	33	117	3310	3.20	0.12	4.02
M709653	205	226	15	< 0.2	5.21	60	0.5	< 2	3.54	< 0.5	153	79	1310	7.10	0.18	4.80
M709654	205	226	< 5	1.4	6.79	310	0.5	< 2	0.58	< 0.5	59	96	8790	8.95	0.53	3.30
M709655	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
M709656	205	226	< 5	< 0.2	5.67	230	1.5	< 2	0.11	< 0.5	184	119	70	5.11	2.24	2.33
M709657	205	226	< 5	< 0.2	6.45	460	1.0	< 2	0.81	< 0.5	45	94	4300	4.81	5.13	2.31
M709658	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd

CERTIFICATION: Hart Biellle

Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Page Number : 1-B
Total Pages : 1
Certificate Date: 26-JUL-98
Invoice No. : I9825200
P.O. Number :
Account : EIA

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9825200

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
M597151	205	226	1440	2	0.05	811	460	262	19	< 0.01	21	< 10	72			
M597152	205	226	1825	1	3.27	53	660	14	27	0.46	339	< 10	118			
M597153	205	226	2120	4	0.15	117	1140	14	27	0.08	58	< 10	16			
M597154	205	226	2650	48	0.12	311	Intf*	14	31	0.06	59	< 10	18			
M597155	205	226	1165	5	0.23	115	890	18	35	0.14	128	< 10	22			
M597156	205	226	1895	1	0.02	22	6100	12	17	0.01	628	10	16			
M597157	205	226	2870	4	0.06	37	270	16	66	0.03	55	< 10	14			
M597158	205	226	950	< 1	4.27	82	540	14	49	0.68	295	< 10	36			
M709551	205	226	8180	< 1	0.04	7	130	12	61	< 0.01	15	< 10	14			
M709552	205	226	4550	1	0.02	10	420	12	38	0.03	35	< 10	20			
M709553	205	226	2750	2	0.02	4	20	12	17	< 0.01	5	< 10	12			
M709554	205	226	3400	2	0.03	8	90	12	19	0.01	12	< 10	14			
M709651	205	226	2980	< 1	0.04	32	650	10	19	0.04	53	< 10	14			
M709652	205	226	2950	3	3.07	24	1610	14	23	0.10	65	< 10	20			
M709653	205	226	1180	3	1.61	54	2290	30	23	0.18	214	< 10	28			
M709654	205	226	525	4	2.70	72	530	16	24	0.81	350	< 10	34			
M709655	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
M709656	205	226	275	1	0.13	60	480	10	7	0.15	69	< 10	24			
M709657	205	226	685	1	0.20	46	580	12	11	0.21	134	< 10	22			
M709658	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			

CERTIFICATION: Ian Bickle

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9827553

Comments: ATTN: MURRAY JONES

CERTIFICATE A9827553

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK 98-02
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 18-AUG-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	1	Geochem ring to approx 150 mesh
226	1	0-3 Kg crush and split
3202	1	Rock - save entire reject
285	1	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	1	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	1	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	1	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	1	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	1	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	1	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	1	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	1	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	1	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	1	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	1	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	1	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	1	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	1	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	1	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	1	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	1	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	1	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	1	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	1	Pb ppm: 24 element, rock & core	AAS	2	10000
582	1	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	1	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	1	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	1	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	1	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-02
Comments: ATTN: MURRAY JONES

Page Number :1-A
Total Pages :1
Certificate Date: 18-AUG-98
Invoice No. :19827553
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9827553

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
709655	205	226	130	1.0	1.07	90	< 0.5	6	5.47	< 0.5	90	71	7300	3.10	0.53	2.92

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-02
Comments: ATTN: MURRAY JONES

Page Number : 1-B
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Certificate Date: 18-AUG-98
Invoice No. : 19827553
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9827553

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
709655	205	226	2680	9	0.02	27	180	114	20	0.02	19	< 10	12			

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9826143

Comments: ATTN: MURRAY JONES

CERTIFICATE A9826143

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-02
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 10-AUG-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	46	Geochem ring to approx 150 mesh
226	46	0-3 Kg crush and split
3202	46	Rock - save entire reject
285	46	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	46	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	46	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	46	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	46	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	46	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	46	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	46	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	46	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	46	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	46	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	46	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	46	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	46	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	46	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	46	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	46	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	46	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	46	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	46	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	46	Pb ppm: 24 element, rock & core	AAS	2	10000
582	46	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	46	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	46	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	46	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	46	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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To: EQUITY ENGINEERING LTD.
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Certificate Date: 10-AUG-98
Invoice No. :19826143
P.O. Number :
Account :EIA

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9826143

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
597159	205 226	30	6.0	1.26	170	< 0.5	Intf*	9.36	< 0.5	84	66	>10000	3.25	0.42	5.22
597160	205 226	10	0.2	4.04	390	0.5	< 2	8.35	< 0.5	26	60	164	6.45	1.78	5.03
597161	205 226	10	0.4	7.73	100	1.0	< 2	0.49	< 0.5	106	99	63	7.74	4.61	3.13
597162	205 226	< 5	1.6	2.30	70	< 0.5	Intf*	12.65	< 0.5	10	27	>10000	5.56	1.69	6.67
597163	205 226	< 5	1.0	7.33	160	< 0.5	Intf*	3.54	< 0.5	49	77	>10000	2.75	6.21	2.14
597164	205 226	< 5	0.4	0.13	30	< 0.5	< 2	18.00	54.5	6	< 1	126	1.36	0.13	11.45
597165	205 226	< 5	4.4	4.26	270	1.5	< 2	3.69	0.5	23	103	3870	2.36	2.38	2.57
597166	205 226	< 5	5.6	3.91	310	1.0	< 2	2.51	0.5	26	139	4890	1.55	2.36	1.79
597167	205 226	10	4.0	4.40	320	1.5	< 2	4.35	1.5	32	85	2850	1.40	2.80	2.69
597168	205 226	80	32.0	4.16	340	1.5	Intf*	2.80	0.5	45	111	>10000	1.15	2.79	1.80
597169	205 226	125	5.2	5.08	330	2.0	< 2	3.45	0.5	36	104	4220	1.71	3.06	2.37
597170	205 226	15	7.0	3.71	240	1.5	< 2	6.18	< 0.5	46	92	5210	1.76	2.18	3.81
597171	205 226	35	1.6	3.48	220	1.0	< 2	5.60	< 0.5	36	102	2550	2.04	1.99	3.52
597172	205 226	10	2.0	0.27	70	< 0.5	Intf*	3.25	< 0.5	391	238	>10000	1.59	0.27	1.58
597173	205 226	< 5	< 0.2	7.25	400	2.0	< 2	2.09	< 0.5	117	96	596	7.01	4.18	1.74
597174	205 226	< 5	< 0.2	7.17	580	2.0	< 2	1.57	< 0.5	82	116	1665	7.41	4.14	1.40
597175	205 226	70	< 0.2	4.89	130	0.5	< 2	6.82	< 0.5	2480	68	9320	3.56	0.24	3.46
SCARY 597176	205 226	< 5	0.4	0.48	100	< 0.5	< 2	0.31	< 0.5	16	193	5000	0.84	0.21	0.16
597177	205 226	< 5	< 0.2	0.28	80	< 0.5	< 2	0.93	< 0.5	15	223	3830	0.58	0.13	0.37
709555	205 226	5	< 0.2	6.14	610	0.5	< 2	3.60	< 0.5	21	102	2120	4.68	3.56	3.29
709556	205 226	< 5	< 0.2	0.72	90	< 0.5	< 2	3.88	< 0.5	4	136	33	4.69	0.40	1.01
709557	205 226	< 5	< 0.2	0.47	120	< 0.5	< 2	0.05	< 0.5	1	213	21	0.90	0.45	0.04
709558	205 226	10	0.8	8.41	420	0.5	< 2	0.98	< 0.5	53	112	6400	5.67	3.32	2.80
709559	205 226	5	0.8	6.89	1190	< 0.5	< 2	0.24	< 0.5	28	126	5720	3.70	6.04	2.44
709560	205 226	35	0.6	1.11	250	< 0.5	< 2	5.30	< 0.5	29	135	4430	2.38	0.50	2.85
709561	205 226	< 5	0.4	3.52	640	< 0.5	< 2	3.30	< 0.5	890	94	2730	2.14	3.42	2.24
709562	205 226	< 5	0.4	3.89	820	0.5	< 2	6.39	< 0.5	766	77	1625	3.03	2.01	3.45
709563	205 226	10	0.2	5.09	500	0.5	< 2	4.22	< 0.5	570	71	210	3.82	4.51	2.75
709564	205 226	10	0.2	6.75	730	0.5	< 2	0.86	< 0.5	27	75	396	7.10	4.18	3.34
709565	205 226	< 5	0.2	7.34	960	1.5	< 2	1.84	< 0.5	33	111	3870	6.54	1.35	3.73
SCARY 709566	205 226	5	0.6	6.25	150	0.5	< 2	0.83	< 0.5	232	114	124	10.15	1.55	2.98
709567	205 226	< 5	< 0.2	4.38	320	1.5	< 2	5.03	< 0.5	10	99	47	2.86	2.42	2.24
709568	205 226	< 5	0.2	0.34	50	< 0.5	< 2	0.17	< 0.5	9	247	24	0.74	0.16	0.09
709658	205 226	< 5	< 0.2	6.92	590	1.5	< 2	1.59	< 0.5	34	55	1295	8.15	1.96	4.37
709659	205 226	510	24.2	0.11	120	< 0.5	Intf*	1.17	< 0.5	9820	< 1	>10000	16.90	0.05	0.59
709660	205 226	< 5	0.2	6.09	740	1.5	< 2	5.02	< 0.5	20	94	159	3.08	4.30	3.00
709661	205 226	< 5	0.2	2.99	170	< 0.5	< 2	2.29	< 0.5	145	119	2170	4.21	1.48	2.72
709662	205 226	50	0.6	4.61	410	1.0	< 2	4.70	< 0.5	341	87	4620	3.74	3.25	3.05
709663	205 226	< 5	0.6	4.64	390	0.5	< 2	4.20	< 0.5	367	72	3030	4.41	3.39	2.79
709664	205 226	< 5	< 0.2	4.35	400	0.5	< 2	4.05	< 0.5	65	60	410	4.21	3.69	3.51

CERTIFICATION: Ian Buchan

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Page Number : 1-B
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Account : EIA

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9826143

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	
597159	205 226	4830	1	0.28	16	Intf*	4	54	0.03	19	< 10	22	
597160	205 226	5890	< 1	0.24	24	410	6	38	0.11	53	< 10	12	
597161	205 226	410	3	0.26	80	690	32	13	0.36	127	< 10	40	
597162	205 226	5780	< 1	0.33	8	Intf*	8	39	0.04	22	< 10	26	
597163	205 226	1145	1	1.81	19	Intf*	8	25	0.31	34	< 10	10	
597164	205 226	3860	< 1	0.03	6	< 10	126	14	< 0.01	18	< 10	>10000	
597165	205 226	1275	< 1	0.11	19	370	40	12	0.13	79	< 10	340	
597166	205 226	775	1	0.10	16	300	36	12	0.12	80	< 10	260	
597167	205 226	1165	< 1	0.12	10	230	56	26	0.11	103	< 10	274	
597168	205 226	910	< 1	0.07	12	Intf*	28	13	0.10	100	< 10	108	
597169	205 226	1155	1	0.15	17	340	16	15	0.15	102	< 10	136	
597170	205 226	2050	< 1	0.07	14	290	50	22	0.09	63	10	90	
597171	205 226	1880	< 1	0.04	17	260	38	16	0.10	65	< 10	130	
597172	205 226	1540	2	0.03	14	Intf*	10	15	< 0.01	5	< 10	10	
597173	205 226	580	6	0.16	25	560	2	12	0.25	81	10	10	
597174	205 226	470	1	0.16	26	790	4	20	0.25	85	< 10	10	
597175	205 226	1615	4	3.82	303	760	6	185	0.08	47	< 10	6	
597176	205 226	395	3	0.03	7	60	2	8	0.01	6	< 10	16	SCARY
597177	205 226	395	2	0.02	7	1150	6	7	< 0.01	3	< 10	10	
709555	205 226	1510	3	1.08	33	680	2	26	0.17	78	< 10	18	
709556	205 226	6920	2	0.01	3	140	2	20	0.01	11	< 10	30	
709557	205 226	70	2	0.03	3	100	18	< 1	0.01	5	< 10	2	
709558	205 226	1110	< 1	1.80	80	350	8	13	0.54	194	< 10	44	
709559	205 226	630	3	0.25	52	450	6	22	0.18	126	< 10	30	
709560	205 226	3040	2	0.14	8	100	2	32	0.02	17	< 10	8	
709561	205 226	1470	3	0.13	32	470	2	28	0.04	27	< 10	22	
709562	205 226	3950	1	1.32	26	350	4	79	0.08	47	< 10	22	
709563	205 226	2500	1	0.19	32	340	8	21	0.17	61	< 10	86	
709564	205 226	445	7	0.97	41	680	6	22	0.35	177	< 10	70	
709565	205 226	1825	< 1	2.01	87	720	4	36	0.98	290	< 10	54	
709566	205 226	1430	< 1	0.51	179	210	12	10	0.32	182	< 10	138	SCARY
709567	205 226	3530	2	0.18	13	1110	6	39	0.20	54	< 10	14	
709568	205 226	300	3	0.03	7	140	2	6	< 0.01	5	< 10	12	
709658	205 226	795	< 1	2.41	50	720	8	21	0.49	326	< 10	104	
709659	205 226	615	< 1	0.08	1655	Intf*	172	24	0.01	6	< 10	Intf*	
709660	205 226	2180	< 1	0.32	28	680	4	44	0.22	70	< 10	44	
709661	205 226	1260	1	0.08	65	200	6	15	0.12	49	< 10	58	
709662	205 226	2250	1	0.24	80	520	14	29	0.18	64	< 10	102	
709663	205 226	1940	3	0.17	172	410	26	32	0.18	63	< 10	156	
709664	205 226	2130	< 1	0.20	34	310	12	21	0.19	53	< 10	114	

CERTIFICATION:

Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Page Number :2-A
Total Pages :2
Certificate Date: 10-AUG-98
Invoice No. :19826143
P.O. Number :
Account :EIA

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9826143

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
709665	205	226	25	0.4	5.66	460	1.5	< 2	5.69	< 0.5	1265	71	5150	3.17	3.41	3.37
709666	205	226	< 5	< 0.2	3.89	260	0.5	< 2	3.59	< 0.5	20	50	415	3.76	1.38	2.95
709667	205	226	< 5	< 0.2	5.46	670	1.0	< 2	3.64	< 0.5	157	96	3660	3.34	3.34	3.24
709668	205	226	< 5	0.2	6.14	740	< 0.5	< 2	3.09	< 0.5	46	62	1525	4.82	4.64	2.55
709669	205	226	< 5	0.2	6.39	420	< 0.5	< 2	2.33	< 0.5	16	81	3020	4.68	0.28	1.83
709670	205	226	< 5	< 0.2	5.01	350	0.5	< 2	2.60	< 0.5	14	71	3900	7.43	3.54	1.55

SCARY

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
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SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	
709665	205 226	2050	1	0.23	53	670	24	23	0.19	77	< 10	40	
709666	205 226	3230	< 1	0.12	31	240	8	24	0.15	57	10	34	
709667	205 226	1950	1	0.22	48	470	4	21	0.13	116	< 10	18	
709668	205 226	1400	< 1	1.26	30	470	6	28	0.30	170	< 10	18	
709669	205 226	945	1	4.36	20	360	< 2	20	0.20	210	< 10	6	Scary
709670	205 226	1470	2	0.21	20	410	2	34	0.16	65	< 10	2	

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9826557

Comments: ATTN: MURRAY JONES

CERTIFICATE A9826557

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK 98-02
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 12-AUG-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	58	Geochem ring to approx 150 mesh
226	58	0-3 Kg crush and split
3202	58	Rock - save entire reject
285	58	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	58	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	58	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	58	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	58	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	58	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	58	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	58	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	58	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	58	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	58	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	58	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	58	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	58	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	58	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	58	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	58	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	58	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	58	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	58	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	58	Pb ppm: 24 element, rock & core	AAS	2	10000
582	58	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	58	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	58	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	58	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	58	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-02
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Page Number :1-A
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Invoice No. :19826557
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Account :EIA

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CERTIFICATE OF ANALYSIS A9826557

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
M597178TS	205	226	90	3.6	3.44	430	0.5	Intf*	5.06	< 0.5	2140	121	>10000	2.75	1.71	3.67
M597179TS	205	226	45	0.6	4.73	300	1.0	< 2	1.97	< 0.5	870	136	2410	2.06	2.42	1.78
M597180TS	205	226	100	< 0.2	3.40	230	0.5	< 2	1.23	< 0.5	1770	219	741	1.92	1.81	1.30
M597181TS	205	226	10	9.6	6.65	360	< 0.5	Intf*	4.81	< 0.5	32	131	>10000	4.44	5.01	2.76
M597182TS	205	226	< 5	0.6	0.22	40	< 0.5	2	19.25	< 0.5	16	11	3210	0.57	0.23	12.40
M597183TS	205	226	< 5	5.8	0.59	50	< 0.5	2	15.45	0.5	3	6	9080	0.52	0.53	9.80
M597184TS	205	226	< 5	4.2	4.72	540	1.5	2	5.44	< 0.5	41	68	7170	1.93	2.64	3.03
M597185TS	205	226	35	3.4	4.78	730	0.5	Intf*	6.21	2.0	70	60	>10000	3.54	3.95	3.49
M597186TS	205	226	< 5	< 0.2	0.22	30	< 0.5	2	13.25	< 0.5	7	51	997	0.93	0.21	7.68
M597187TS	205	226	< 5	0.2	0.55	60	< 0.5	2	15.40	< 0.5	7	25	1180	1.46	0.60	8.53
M597188TS	205	226	< 5	0.4	0.41	70	< 0.5	< 2	11.20	< 0.5	9	61	3670	1.41	0.37	6.33
M597189TS	205	226	< 5	0.2	0.22	100	< 0.5	< 2	13.35	< 0.5	7	39	2380	1.75	0.20	7.41
M597190TS	205	226	< 5	< 0.2	0.68	100	< 0.5	< 2	10.55	< 0.5	21	59	1470	1.80	0.65	5.62
M597191TS	205	226	< 5	< 0.2	0.21	40	< 0.5	40	10.70	< 0.5	300	72	7460	1.34	0.23	6.00
M597192TS	205	226	< 5	3.0	0.33	50	< 0.5	Intf*	9.76	< 0.5	597	48	>10000	2.98	0.39	5.37
M597193TS	205	226	10	1.4	0.47	60	< 0.5	Intf*	12.45	< 0.5	1060	66	>10000	1.20	0.51	7.27
M597194TS	205	226	10	1.4	1.93	160	< 0.5	2	8.09	< 0.5	10	87	4310	1.42	1.58	4.48
M709569	205	226	< 5	< 0.2	0.32	40	< 0.5	< 2	6.05	< 0.5	24	128	95	0.99	0.18	3.31
M709570	205	226	125	3.2	5.15	1020	< 0.5	14	1.17	< 0.5	18	119	1415	0.98	5.86	0.74
M709571	205	226	< 5	1.0	3.16	320	0.5	< 2	6.22	< 0.5	16	97	1715	2.07	1.89	3.77
M709572	205	226	< 5	< 0.2	4.79	530	1.0	< 2	0.13	< 0.5	3	98	16	4.67	2.74	0.20
M709573	205	226	10	1.6	5.97	940	< 0.5	< 2	3.97	< 0.5	26	43	3240	5.85	5.46	3.90
M709574	205	226	< 5	< 0.2	4.38	600	0.5	< 2	2.05	< 0.5	14	101	26	1.59	2.03	0.96
M709575	205	226	< 5	1.2	0.91	130	< 0.5	6	9.62	0.5	43	84	2120	1.31	0.95	5.18
M709576	205	226	< 5	< 0.2	0.37	30	< 0.5	< 2	9.20	< 0.5	8	7	168	17.15	0.21	4.96
M709577	205	226	10	3.8	4.52	390	1.5	2	10.95	0.5	16	42	7170	3.15	2.00	6.40
M709578	205	226	75	2.8	4.38	540	0.5	< 2	4.22	< 0.5	1795	66	7030	2.01	4.04	2.39
M709579	205	226	10	1.6	3.86	390	< 0.5	< 2	7.88	< 0.5	138	69	3630	3.04	3.50	4.28
M709580	205	226	50	< 0.2	5.16	880	0.5	< 2	5.09	< 0.5	2810	69	47	1.83	5.52	2.55
M709581	205	226	< 5	0.2	4.79	760	< 0.5	< 2	6.39	< 0.5	546	63	636	2.02	4.37	3.19
M709582	205	226	< 5	0.2	6.29	890	< 0.5	< 2	0.37	< 0.5	11	111	34	1.59	6.66	0.19
M709583	205	226	70	< 0.2	6.44	690	< 0.5	2	2.59	< 0.5	98	74	2760	7.41	6.23	1.61
M709584	205	226	5	< 0.2	5.90	3050	< 0.5	< 2	5.15	0.5	74	44	288	7.55	3.20	2.14
M709585	205	226	< 5	< 0.2	6.64	1310	0.5	< 2	0.30	< 0.5	30	91	2230	3.10	6.43	0.97
M709586	205	226	< 5	< 0.2	0.28	80	< 0.5	< 2	8.80	< 0.5	19	87	523	1.29	0.28	4.57
M709587	205	226	< 5	< 0.2	0.20	50	< 0.5	2	13.85	< 0.5	9	50	294	1.39	0.21	7.84
M709588	205	226	< 5	< 0.2	0.89	90	< 0.5	2	13.85	< 0.5	22	37	870	1.13	0.78	8.18
M709589	205	226	< 5	0.2	1.49	190	< 0.5	2	12.15	< 0.5	22	34	3190	2.00	1.32	6.85
M709671	205	226	10	0.2	7.00	1070	0.5	< 2	3.10	< 0.5	31	44	1675	6.99	3.90	3.38
M709672	205	226	65	1.0	4.63	360	0.5	< 2	3.75	< 0.5	1050	129	5080	3.06	2.32	3.03

CERTIFICATION: Stewart Bielle

Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-02
Comments: ATTN: MURRAY JONES

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9826557

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
M597178TS	205	226	2340	3	0.08	89	Intf*	2	26	0.08	61	< 10	28			
M597179TS	205	226	1020	< 1	0.10	48	290	2	14	0.12	87	< 10	18			
M597180TS	205	226	1030	1	0.06	40	240	< 2	5	0.08	64	< 10	22			
M597181TS	205	226	1790	< 1	0.16	37	Intf*	10	39	0.25	205	< 10	60			
M597182TS	205	226	815	< 1	0.04	4	10	14	21	< 0.01	24	< 10	44			
M597183TS	205	226	1020	< 1	0.01	1	100	22	18	0.02	9	< 10	188			
M597184TS	205	226	2150	4	0.08	14	440	16	20	0.15	89	10	30			
M597185TS	205	226	1765	< 1	0.10	75	Intf*	560	61	0.14	65	< 10	310			
M597186TS	205	226	5520	< 1	0.02	2	70	8	20	< 0.01	5	< 10	14			
M597187TS	205	226	8660	< 1	0.02	2	1700	12	52	0.01	13	< 10	26			
M597188TS	205	226	6250	< 1	0.02	7	50	10	43	< 0.01	8	< 10	16			
M597189TS	205	226	5370	< 1	0.03	4	90	2	23	< 0.01	6	< 10	16			
M597190TS	205	226	6900	< 1	0.02	8	140	14	60	0.01	13	< 10	38			
M597191TS	205	226	5630	1	0.03	17	130	4	19	< 0.01	4	< 10	8			
M597192TS	205	226	4620	7	0.03	35	Intf*	20	18	< 0.01	3	< 10	16			
M597193TS	205	226	6150	4	0.03	32	Intf*	12	27	< 0.01	7	< 10	16			
M597194TS	205	226	3010	< 1	0.03	6	360	8	19	0.04	35	< 10	12			
M709569	205	226	2690	1	0.05	5	30	2	16	< 0.01	12	< 10	42			
M709570	205	226	520	1	0.13	32	350	70	51	0.14	60	< 10	20			
M709571	205	226	2810	< 1	0.04	11	350	26	30	0.08	65	< 10	86			
M709572	205	226	5350	< 1	0.36	5	270	8	16	0.09	23	< 10	32			
M709573	205	226	1590	< 1	0.21	39	610	2	31	0.84	385	< 10	142			
M709574	205	226	1145	1	0.79	7	70	18	25	0.13	23	< 10	42			
M709575	205	226	6690	< 1	0.03	9	320	36	22	0.03	15	< 10	506			
M709576	205	226	>10000	< 1	0.01	2	< 10	6	44	< 0.01	3	< 10	38			
M709577	205	226	3540	< 1	0.07	28	760	390	39	0.17	84	10	108			
M709578	205	226	1865	2	0.09	140	240	2	25	0.15	66	< 10	42			
M709579	205	226	4560	< 1	0.11	23	310	8	31	0.11	56	< 10	52			
M709580	205	226	2680	< 1	0.16	29	360	6	36	0.13	67	< 10	28			
M709581	205	226	4060	2	0.16	25	320	< 2	37	0.10	55	< 10	22			
M709582	205	226	290	< 1	0.17	1	420	32	33	0.18	19	< 10	12			
M709583	205	226	890	2	0.22	29	580	< 2	25	0.52	271	< 10	30			
M709584	205	226	2250	1	0.20	11	900	< 2	66	0.59	84	< 10	2			
M709585	205	226	225	< 1	0.16	47	500	< 2	16	0.23	67	< 10	62			
M709586	205	226	4260	< 1	0.02	12	50	6	42	< 0.01	8	< 10	12			
M709587	205	226	6630	< 1	0.02	5	80	8	35	< 0.01	7	< 10	16			
M709588	205	226	6150	< 1	0.02	6	760	12	29	0.01	14	< 10	46			
M709589	205	226	6720	2	0.03	4	550	4	63	0.02	20	< 10	20			
M709671	205	226	1840	< 1	0.73	44	700	8	127	0.79	357	10	112			
M709672	205	226	2050	1	0.13	56	310	4	16	0.10	81	< 10	30			

CERTIFICATION: Frank Bidlake

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M709673	205	226	< 5	< 0.2	6.34	360	< 0.5	< 2	3.85	< 0.5	17	86	68	6.11	6.11	2.07
M709674	205	226	< 5	< 0.2	7.74	350	< 0.5	< 2	0.90	< 0.5	5	122	27	3.02	5.52	0.42
M709675	205	226	10	< 0.2	6.22	690	1.0	< 2	4.16	< 0.5	17	103	2840	3.48	3.50	1.86
M709676	205	226	< 5	4.6	4.67	260	0.5	Intf*	0.05	< 0.5	19	154	>10000	8.78	1.65	0.37
M709677	205	226	90	63.4	0.92	150	< 0.5	Intf*	8.15	2.0	90	9	>10000	17.05	0.74	4.59
M709678	205	226	20	12.6	1.67	170	< 0.5	Intf*	8.90	1.5	117	63	>10000	16.10	1.35	5.05
M709679	205	226	50	< 0.2	1.53	260	< 0.5	< 2	5.64	< 0.5	25	126	789	2.42	0.78	2.89
M709680	205	226	40	12.8	2.47	120	< 0.5	< 2	0.36	2.0	45	189	2570	11.20	2.34	0.40
M709681	205	226	20	11.8	5.25	500	1.0	< 2	0.53	>500	47	42	2340	4.50	3.53	0.80
M709682	205	226	10	6.8	1.60	340	< 0.5	2	7.68	8.0	288	122	5890	2.98	1.53	3.63
M709683	205	226	100	1.2	1.41	280	< 0.5	< 2	4.75	< 0.5	29	108	340	2.30	0.90	2.51
M709684	205	226	< 5	< 0.2	1.09	2850	< 0.5	< 2	0.22	0.5	1	18	8	0.76	0.71	0.35
M709685	205	226	< 5	< 0.2	0.53	530	< 0.5	8	12.65	< 0.5	18	45	1005	1.35	0.57	7.54
M709686	205	226	5	0.6	0.65	590	< 0.5	10	14.20	< 0.5	9	27	1155	1.10	0.76	8.41
M709687	205	226	< 5	< 0.2	3.06	130	1.0	< 2	7.52	< 0.5	7	68	49	2.84	1.68	5.13
M709688	205	226	< 5	0.6	3.14	280	0.5	< 2	5.85	< 0.5	8	108	1755	2.24	2.04	3.42
M709689	205	226	< 5	0.2	7.27	810	1.5	< 2	2.71	< 0.5	25	101	1240	4.77	3.95	2.04
M709690	205	226	< 5	0.2	5.22	360	0.5	< 2	6.03	< 0.5	46	94	4730	7.49	1.75	5.69

CERTIFICATION: [signature]

Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-02
Comments: ATTN: MURRAY JONES

Page Number :2-B
Total Pages :2
Certificate Date: 12-AUG-98
Invoice No. :I9826557
P.O. Number :
Account :EIA

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9826557

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
M709673	205	226	1155	1	0.22	16	950	30	28	0.20	137	< 10	36
M709674	205	226	195	1	2.47	10	490	16	23	0.23	74	< 10	6
M709675	205	226	2710	3	0.33	25	550	2	20	0.25	87	< 10	60
M709676	205	226	2530	< 1	0.16	25	Intf*	36	13	0.12	37	< 10	56
M709677	205	226	2910	< 1	0.09	48	Intf*	1415	37	0.02	37	< 10	220
M709678	205	226	3360	1	0.10	78	Intf*	2130	43	0.04	43	< 10	500
M709679	205	226	4260	< 1	0.28	15	130	16	38	0.04	28	< 10	26
M709680	205	226	265	5	0.08	96	140	1200	17	0.08	45	10	296
M709681	205	226	2990	< 1	0.16	21	570	>10000	16	0.13	74	< 10	>10000
M709682	205	226	5780	1	0.03	15	220	548	35	0.04	30	< 10	1900
M709683	205	226	3790	1	0.07	30	160	74	26	0.03	20	< 10	116
M709684	205	226	105	< 1	0.02	5	50	< 2	114	0.03	8	< 10	88
M709685	205	226	5680	< 1	0.02	5	220	24	31	0.01	10	< 10	50
M709686	205	226	5600	< 1	0.03	2	1030	6	31	0.01	14	< 10	34
M709687	205	226	1490	< 1	0.03	13	410	4	33	0.10	54	10	52
M709688	205	226	3340	< 1	0.05	15	250	< 2	22	0.10	61	< 10	26
M709689	205	226	1185	1	0.19	23	610	< 2	19	0.28	100	< 10	16
M709690	205	226	2320	< 1	0.18	64	430	< 2	25	0.28	174	< 10	26

* INTERFERENCES: S ON Fe AND P

CERTIFICATION: Jack Bidlake

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9825777

Comments: ATTN: MURRAY JONES

CERTIFICATE A9825777

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-02
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 26-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	1	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
301	1	Cu %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Page Number : 1
Total Pages : 1
Certificate Date: 26-JUL-98
Invoice No. : I9825777
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9825777

SAMPLE	PREP CODE		Cu %
M597154	244	--	1.27

OVERLIMITS from A9825200

CERTIFICATION:

Chemex Labs Ltd.

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212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9827361

Comments: ATTN: MURRAY JONES

CERTIFICATE A9827361

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-02
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 12-AUG-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	7	Pulp, prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
301	6	Cu %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0
316	1	Zn %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0

Chemex Labs Ltd.

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
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Project : BLK98-02
Comments: ATTN: MURRAY JONES

Page Number : 1
Total Pages : 1
Certificate Date: 12-AUG-98
Invoice No. : I9827361
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9827361

SAMPLE	PREP CODE	Cu %	Zn %
597159	244 --	1.26	-----
597162	244 --	2.20	-----
597163	244 --	1.31	-----
597164	244 --	-----	2.49
597168	244 --	1.63	-----
597172	244 --	1.40	-----
709659	244 --	44.8	-----

CERTIFICATION: Said Zeinab

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Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9827732

Comments: ATTN: MURRAY JONES

CERTIFICATE A9827732

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK 98-02
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 16-AUG-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	9	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
301	8	Cu %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0
312	1	Pb %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0
316	1	Zn %: Conc. Nitric-HCL dig'n	AAS	0.01	100.0

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-02
Comments: ATTN: MURRAY JONES

Page Number :1
Total Pages :1
Certificate Date: 16-AUG-98
Invoice No. :19827732
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9827732

SAMPLE	PREP CODE	Cu %	Pb %	Zn %
M597178TS	244 --	1.30	-----	-----
M597181TS	244 --	3.34	-----	-----
M597185TS	244 --	1.41	-----	-----
M597192TS	244 --	4.82	-----	-----
M597193TS	244 --	1.29	-----	-----
M709676	244 --	1.71	-----	-----
M709677	244 --	11.35	-----	-----
M709678	244 --	1.28	-----	-----
M709681	244 --	-----	5.70	23.4

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9825201

Comments: ATTN: MURRAY JONES

CERTIFICATE A9825201

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-02
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 30-JUL-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	86	Dry, sieve to -80 mesh
202	86	save reject
285	86	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	86	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	86	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	86	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	86	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	86	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	86	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	86	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	86	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	86	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	86	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	86	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	86	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	86	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	86	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	86	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	86	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	86	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	86	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	86	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	86	Pb ppm: 24 element, rock & core	AAS	2	10000
582	86	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	86	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	86	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	86	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	86	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Page Number : 1-A
Total Pages : 3
Certificate Date: 30-JUL-98
Invoice No. : 19825201
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9825201

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
98DHS 000	201 202	< 5	< 0.2	5.65	690	1.0	< 2	1.19	< 0.5	14	39	36	4.18	1.58	0.71
98DHS 001	201 202	< 5	< 0.2	6.66	770	1.0	< 2	1.47	< 0.5	6	27	31	2.30	1.55	0.56
98DHS 002	201 202	< 5	< 0.2	5.31	840	1.5	< 2	0.78	< 0.5	17	58	105	4.84	2.05	1.00
98DHS 003	201 202	10	< 0.2	5.52	640	1.5	4	0.41	< 0.5	26	54	161	5.19	1.46	1.02
98DHS 004	201 202	< 5	< 0.2	5.03	740	1.5	< 2	1.21	< 0.5	14	39	213	4.70	1.27	0.75
98DHS 005	201 202	< 5	< 0.2	5.45	4080	1.5	< 2	1.21	1.5	18	43	89	4.63	1.32	1.11
98DHS 006	201 202	60	< 0.2	6.51	650	1.5	< 2	0.52	0.5	63	54	1975	7.96	1.35	1.43
98DHS 007	201 202	20	< 0.2	6.72	600	1.0	< 2	1.03	< 0.5	23	36	788	5.00	0.90	1.10
98DHS 008	201 202	< 5	< 0.2	4.74	3210	0.5	< 2	1.96	1.0	20	41	43	5.75	1.66	1.98
98DHS 009	201 202	< 5	< 0.2	3.43	530	0.5	< 2	8.45	< 0.5	13	27	27	6.59	1.34	5.06
98DHS 010	201 202	< 5	< 0.2	4.69	1380	0.5	< 2	2.04	0.5	12	52	21	5.92	0.82	1.36
98DHS 011	201 202	< 5	< 0.2	6.24	1560	0.5	< 2	1.38	0.5	11	65	20	4.79	0.47	1.15
98DHS 012	201 202	< 5	< 0.2	5.18	630	1.0	< 2	1.21	0.5	21	48	19	6.92	1.21	1.27
98DHS 013	201 202	< 5	< 0.2	3.10	640	0.5	< 2	2.37	0.5	10	27	15	5.90	0.54	0.76
98DHS 014	201 202	< 5	< 0.2	6.30	1530	1.5	< 2	0.90	< 0.5	17	54	31	6.52	1.36	1.65
98DHS 015	201 202	15	< 0.2	5.18	1210	1.5	< 2	1.24	0.5	59	46	287	8.91	1.57	1.20
98DHS 016	201 202	5	< 0.2	5.32	970	1.5	< 2	1.24	0.5	28	45	51	6.86	1.47	1.76
98DHS 017	201 202	< 5	< 0.2	4.67	1870	1.5	< 2	2.03	0.5	17	36	67	5.61	1.59	1.34
98DHS 018	201 202	5	< 0.2	4.28	680	1.5	< 2	5.76	< 0.5	54	33	1765	6.42	1.63	3.35
98DHS 019	201 202	10	< 0.2	3.94	490	1.0	< 2	0.71	< 0.5	150	35	2640	7.50	1.35	0.81
98DHS 020	201 202	< 5	< 0.2	6.56	910	2.0	< 2	1.31	0.5	25	55	236	6.34	2.05	1.16
98DHS 021	201 202	< 5	< 0.2	6.91	1340	2.5	< 2	2.61	< 0.5	27	54	28	6.03	2.91	2.35
98DHS 022	201 202	< 5	< 0.2	7.09	730	1.5	< 2	1.16	< 0.5	18	35	33	3.72	1.75	0.63
98DHS 023	201 202	< 5	< 0.2	7.69	2340	4.5	< 2	0.59	0.5	60	65	124	5.15	2.51	0.70
98DHS 024	201 202	10	< 0.2	6.27	1230	2.0	< 2	0.84	0.5	22	77	47	4.50	1.79	0.69
98DHS 025	201 202	< 5	< 0.2	9.52	650	3.0	< 2	0.06	< 0.5	14	75	32	3.33	3.82	0.62
98DHS 026	201 202	< 5	< 0.2	6.65	1410	3.0	< 2	0.50	2.0	31	62	68	3.16	2.61	1.23
98DHS 027	201 202	< 5	< 0.2	6.55	3620	3.0	< 2	0.72	1.5	48	68	130	4.37	2.03	1.29
98DHS 028	201 202	< 5	0.2	6.33	3140	2.0	< 2	0.56	3.0	49	66	112	3.96	3.13	1.96
98DHS 029	201 202	< 5	< 0.2	6.20	2550	2.5	< 2	0.62	1.0	47	70	84	3.49	2.22	1.19
98DHS 030	201 202	< 5	< 0.2	6.49	1810	2.5	< 2	0.92	0.5	37	77	126	3.88	2.65	1.48
98DHS 032	201 202	< 5	< 0.2	5.99	8460	2.0	< 2	0.59	3.5	31	58	79	2.99	2.86	1.93
98DHS 033	201 202	< 5	< 0.2	6.55	6470	2.0	< 2	0.61	3.0	31	58	83	3.20	2.67	1.95
98DHS 034	201 202	< 5	< 0.2	6.25	6200	2.0	< 2	0.69	2.0	22	62	50	2.94	2.37	1.92
98DHS 035	201 202	< 5	0.4	6.08	>10000	2.0	< 2	1.47	5.0	40	57	102	3.30	2.21	2.33
98DHS 036	201 202	< 5	< 0.2	5.17	1250	2.0	< 2	0.59	0.5	25	59	47	3.13	1.53	0.86
98DHS 037	201 202	< 5	< 0.2	5.28	5020	1.5	< 2	0.99	2.0	17	57	28	3.19	1.72	1.08
98DHS 038	201 202	< 5	< 0.2	5.17	3020	1.5	< 2	1.30	1.5	16	62	39	3.45	1.83	1.39
98DHS 039	201 202	< 5	< 0.2	4.50	1960	1.5	< 2	1.39	2.0	21	47	31	3.10	1.75	1.64
98DHS 040	201 202	< 5	< 0.2	5.70	1410	1.5	< 2	1.15	1.0	19	70	37	3.85	1.99	1.57

CERTIFICATION: Stuart Buchan

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Page Number :1-B
Total Pages :3
Certificate Date: 30-JUL-98
Invoice No. :I9825201
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9825201

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
98DHS 000	201 202	4270	< 1	1.21	19	1540	20	182	0.26	74	< 10	70
98DHS 001	201 202	600	2	2.00	8	1190	20	362	0.32	67	< 10	66
98DHS 002	201 202	3560	< 1	0.76	26	1180	10	74	0.28	97	< 10	52
98DHS 003	201 202	2930	1	0.87	23	1080	12	72	0.28	110	< 10	46
98DHS 004	201 202	3820	1	0.77	16	1430	14	95	0.22	74	< 10	62
98DHS 005	201 202	4970	1	0.78	21	1820	12	74	0.22	72	< 10	62
98DHS 006	201 202	6420	1	1.12	39	1760	24	68	0.24	129	< 10	50
98DHS 007	201 202	2520	< 1	2.48	20	1540	18	142	0.25	139	< 10	64
98DHS 008	201 202	5950	< 1	0.80	30	1280	10	52	0.20	115	< 10	32
98DHS 009	201 202	10000	< 1	0.20	21	1080	10	42	0.13	51	< 10	26
98DHS 010	201 202	6700	< 1	1.11	25	1400	16	115	0.26	105	< 10	62
98DHS 011	201 202	3790	< 1	2.77	23	1640	12	78	0.22	99	< 10	64
98DHS 012	201 202	8480	1	1.25	32	1600	10	56	0.18	85	< 10	48
98DHS 013	201 202	>10000	1	0.69	14	1950	14	73	0.14	51	< 10	112
98DHS 014	201 202	5430	< 1	1.34	30	1090	14	112	0.26	104	< 10	66
98DHS 015	201 202	>10000	4	0.73	33	1490	12	65	0.19	89	< 10	40
98DHS 016	201 202	7530	1	0.62	37	1990	10	59	0.23	118	< 10	42
98DHS 017	201 202	8440	3	0.48	20	1290	10	54	0.18	60	< 10	20
98DHS 018	201 202	8580	3	0.39	35	850	12	90	0.13	71	< 10	30
98DHS 019	201 202	9320	3	0.28	47	1090	12	47	0.12	74	< 10	32
98DHS 020	201 202	5730	3	0.66	30	1290	16	106	0.23	93	< 10	60
98DHS 021	201 202	6190	1	0.34	27	910	8	52	0.29	79	< 10	28
98DHS 022	201 202	2200	1	1.71	11	1060	18	292	0.32	70	< 10	62
98DHS 023	201 202	6910	1	0.80	24	670	24	105	0.34	90	< 10	48
98DHS 024	201 202	2730	1	0.84	23	730	18	128	0.52	122	< 10	54
98DHS 025	201 202	860	< 1	0.60	19	260	8	21	0.33	77	< 10	26
98DHS 026	201 202	3040	< 1	0.33	24	800	50	55	0.29	63	< 10	478
98DHS 027	201 202	4360	1	0.66	27	1120	164	109	0.34	85	< 10	230
98DHS 028	201 202	2510	1	0.31	35	430	260	74	0.28	63	< 10	906
98DHS 029	201 202	2240	1	0.62	28	830	60	103	0.35	90	< 10	252
98DHS 030	201 202	2390	1	0.63	29	1020	94	111	0.35	80	< 10	284
98DHS 032	201 202	1780	< 1	0.32	27	390	124	95	0.27	55	< 10	450
98DHS 033	201 202	1925	< 1	0.49	28	430	250	117	0.26	55	< 10	638
98DHS 034	201 202	1125	< 1	0.47	26	570	196	97	0.29	65	< 10	272
98DHS 035	201 202	2340	1	0.30	29	360	800	107	0.24	53	< 10	676
98DHS 036	201 202	910	1	0.69	20	1320	68	108	0.31	93	< 10	104
98DHS 037	201 202	1645	< 1	0.70	28	990	66	149	0.31	76	< 10	266
98DHS 038	201 202	1705	< 1	0.67	25	660	68	121	0.31	72	< 10	330
98DHS 039	201 202	4270	< 1	0.31	26	1090	52	70	0.20	51	< 10	382
98DHS 040	201 202	2090	< 1	0.68	30	620	66	115	0.33	84	< 10	312

CERTIFICATION: Garth Buchan

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Certificate Date: 30-JUL-98
Invoice No. : I9825201
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9825201

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
98DHS 041	201	202	< 5	< 0.2	5.76	1180	1.5	< 2	0.89	1.0	20	57	53	4.23	2.29	1.71
98DHS 042	201	202	< 5	< 0.2	4.85	950	1.0	< 2	1.78	0.5	10	36	33	2.43	1.20	0.87
98DHS 043	201	202	< 5	< 0.2	4.27	750	0.5	< 2	1.16	0.5	9	42	20	2.14	1.37	0.60
98DHS 044	201	202	< 5	0.4	3.72	700	1.0	< 2	10.80	0.5	16	33	91	3.14	1.63	7.29
98DHS 045	201	202	< 5	0.4	4.18	800	1.0	< 2	2.22	0.5	13	40	79	3.16	1.91	1.25
98DHS 046	201	202	< 5	< 0.2	3.76	520	0.5	< 2	9.02	< 0.5	11	36	43	2.94	1.37	5.92
98DHS 047	201	202	< 5	0.2	1.78	290	< 0.5	< 2	14.90	< 0.5	7	16	24	2.36	0.71	9.30
98DHS 048	201	202	< 5	< 0.2	6.50	4400	2.5	< 2	0.43	2.0	21	63	64	2.53	3.11	1.47
98DHS 049	201	202	< 5	< 0.2	7.49	1470	3.0	< 2	0.66	0.5	37	75	40	4.11	2.49	1.05
98DHS 050	201	202	< 5	< 0.2	7.08	1040	2.0	< 2	0.80	< 0.5	13	49	61	3.01	2.29	0.73
98DHS 051	201	202	< 5	< 0.2	4.92	630	1.0	< 2	0.91	< 0.5	9	41	34	4.76	2.70	0.71
98DHS 052	201	202	< 5	< 0.2	5.47	770	1.0	< 2	0.74	< 0.5	12	49	149	5.22	1.38	0.93
98DHS 053	201	202	5	< 0.2	3.38	870	0.5	< 2	3.52	< 0.5	22	31	414	5.16	0.93	2.73
98DHS 054	201	202	10	< 0.2	2.05	300	0.5	< 2	8.16	< 0.5	36	17	4810	4.33	0.87	4.63
98DHS 055	201	202	20	< 0.2	4.73	2270	1.0	< 2	0.81	0.5	44	47	274	5.96	1.10	1.48
98DHS 056	201	202	5	< 0.2	5.43	580	1.5	< 2	1.42	< 0.5	17	47	69	8.83	1.47	3.18
98DHS 057	201	202	15	< 0.2	2.27	410	0.5	< 2	6.62	< 0.5	54	17	996	4.74	0.92	3.94
98DHS 058 N.S.	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
98DHS 059	201	202	< 5	< 0.2	3.53	540	0.5	< 2	2.75	< 0.5	11	21	16	4.94	2.09	1.14
TSA1300 100S	201	202	< 5	< 0.2	7.94	1200	3.5	< 2	0.75	0.5	25	70	55	4.20	2.74	1.18
TSA1300 200S	201	202	< 5	< 0.2	6.81	2150	2.5	< 2	0.74	0.5	23	68	57	3.45	2.05	1.50
TSA1300 300S	201	202	< 5	< 0.2	7.62	1030	2.5	< 2	0.56	0.5	15	81	92	3.82	3.07	1.41
TSA1300 400S	201	202	< 5	< 0.2	6.23	760	1.0	< 2	0.76	< 0.5	13	67	33	4.41	1.35	0.75
TSA1300 500S	201	202	< 5	< 0.2	6.04	930	1.0	< 2	0.62	< 0.5	10	69	18	2.75	1.81	0.75
TSA1300 600S	201	202	< 5	< 0.2	5.62	920	1.5	< 2	1.17	0.5	14	62	33	3.27	2.05	1.69
TSA1300 700S	201	202	< 5	< 0.2	5.95	960	1.5	< 2	0.96	0.5	15	66	33	3.10	2.27	1.84
TSA1300 800S	201	202	< 5	< 0.2	4.80	1120	1.5	< 2	1.59	1.0	10	49	39	2.99	1.73	1.33
TSA1300 900S	201	202	< 5	< 0.2	5.88	950	1.5	< 2	0.60	0.5	11	55	23	2.79	3.00	2.17
TSA1300 1000S	201	202	< 5	< 0.2	5.87	1010	1.5	< 2	0.81	0.5	13	63	27	3.37	2.35	1.62
TSA1300 1100S	201	202	< 5	< 0.2	6.96	790	2.5	< 2	0.94	< 0.5	23	78	34	4.46	1.78	1.52
TSA1300 1200S	201	202	5	< 0.2	6.13	730	1.5	< 2	0.98	< 0.5	20	73	25	3.93	1.43	1.07
TSA1300 1300S	201	202	< 5	< 0.2	6.58	780	2.0	< 2	1.14	< 0.5	17	77	28	3.76	1.56	1.14
TSA1300 1400S	201	202	< 5	< 0.2	6.86	640	2.0	< 2	0.68	< 0.5	19	81	23	4.62	1.92	0.94
TSA1300 1500S	201	202	< 5	< 0.2	6.67	700	1.5	< 2	0.92	< 0.5	13	63	25	3.53	1.70	0.89
TSA1300 1600S	201	202	< 5	< 0.2	5.59	750	1.5	< 2	0.80	0.5	15	60	17	3.06	1.65	0.87
TSB1300 100N	201	202	< 5	< 0.2	6.17	660	1.5	< 2	0.86	< 0.5	18	60	27	3.98	1.55	0.92
TSB1300 200N	201	202	10	< 0.2	6.20	710	1.5	< 2	0.93	< 0.5	18	66	48	4.16	1.55	1.19
TSB1300 300N	201	202	< 5	< 0.2	5.90	790	1.5	< 2	1.05	0.5	16	64	46	4.47	1.58	1.08
TSB1300 400N	201	202	< 5	< 0.2	6.21	830	1.5	< 2	0.89	< 0.5	13	70	21	4.72	1.29	0.79
TSB1300 500N	201	202	< 5	< 0.2	7.55	860	2.5	< 2	0.84	< 0.5	21	53	28	3.86	2.09	0.86

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Certificate Date: 30-JUL-98
Invoice No. : I9825201
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9825201

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
98DHS 041	201	202	4030	< 1	0.52	26	1170	60	98	0.27	65	< 10	332			
98DHS 042	201	202	1160	1	1.05	16	1160	50	199	0.22	57	< 10	178			
98DHS 043	201	202	1695	1	0.74	14	1810	48	133	0.25	73	< 10	106			
98DHS 044	201	202	4370	< 1	0.45	31	700	172	94	0.20	99	< 10	182			
98DHS 045	201	202	5750	3	0.40	31	1420	200	74	0.20	150	< 10	364			
98DHS 046	201	202	3950	< 1	0.45	30	1030	62	86	0.20	82	< 10	156			
98DHS 047	201	202	5970	< 1	0.20	24	430	62	67	0.09	50	< 10	134			
98DHS 048	201	202	1340	< 1	0.43	23	340	76	88	0.33	62	< 10	202			
98DHS 049	201	202	2270	< 1	0.67	28	780	28	97	0.37	97	< 10	68			
98DHS 050	201	202	745	1	1.32	16	1030	20	150	0.31	79	< 10	42			
98DHS 051	201	202	4030	1	0.49	19	1660	16	53	0.17	64	< 10	38			
98DHS 052	201	202	3480	1	0.93	21	2160	20	86	0.28	108	< 10	62			
98DHS 053	201	202	9120	< 1	0.44	22	610	12	52	0.13	73	< 10	28			
98DHS 054	201	202	9860	< 1	0.12	18	600	12	44	0.07	51	< 10	26			
98DHS 055	201	202	6270	< 1	0.84	29	760	14	74	0.27	141	< 10	38			
98DHS 056	201	202	6920	< 1	0.32	44	920	12	50	0.19	118	< 10	48			
98DHS 057	201	202	10000	< 1	0.12	17	510	14	36	0.07	52	< 10	26			
98DHS 058	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
98DHS 059	201	202	7610	< 1	0.27	13	2230	14	65	0.14	44	< 10	38			
TSA1300 100S	201	202	2180	< 1	0.68	26	830	58	80	0.35	91	< 10	92			
TSA1300 200S	201	202	1510	< 1	0.71	29	680	42	116	0.34	86	< 10	98			
TSA1300 300S	201	202	1645	< 1	0.48	32	670	30	74	0.40	97	< 10	106			
TSA1300 400S	201	202	635	1	1.03	26	380	30	143	0.40	130	< 10	94			
TSA1300 500S	201	202	750	1	0.82	16	650	34	127	0.41	112	< 10	74			
TSA1300 600S	201	202	1120	< 1	0.64	26	700	38	102	0.29	75	< 10	154			
TSA1300 700S	201	202	1085	< 1	0.67	25	450	86	110	0.31	75	< 10	196			
TSA1300 800S	201	202	1820	< 1	0.50	21	1240	52	88	0.23	58	< 10	298			
TSA1300 900S	201	202	1830	< 1	0.21	24	430	44	39	0.24	50	< 10	224			
TSA1300 1000S	201	202	2110	< 1	0.52	24	730	68	87	0.29	71	< 10	256			
TSA1300 1100S	201	202	2090	1	0.96	28	780	80	136	0.43	108	< 10	168			
TSA1300 1200S	201	202	2290	1	1.07	25	980	32	156	0.41	110	< 10	88			
TSA1300 1300S	201	202	915	< 1	1.20	31	760	74	182	0.44	122	< 10	214			
TSA1300 1400S	201	202	790	1	0.90	23	660	120	122	0.45	122	< 10	114			
TSA1300 1500S	201	202	900	1	1.22	20	920	48	194	0.39	108	< 10	104			
TSA1300 1600S	201	202	1205	1	0.86	22	730	60	132	0.32	93	< 10	142			
TSB1300 100N	201	202	935	1	1.20	24	550	16	158	0.37	109	< 10	50			
TSB1300 200N	201	202	1575	< 1	1.22	28	880	12	124	0.35	120	< 10	48			
TSB1300 300N	201	202	2700	1	1.14	28	840	12	138	0.33	109	< 10	52			
TSB1300 400N	201	202	1265	1	0.96	23	490	18	125	0.42	143	< 10	68			
TSB1300 500N	201	202	1950	1	1.27	17	1010	16	181	0.34	89	< 10	52			

CERTIFICATION:

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207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Page Number :3-A
Total Pages :3
Certificate Date: 30-JUL-98
Invoice No. :I9825201
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9825201

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
TSB1300 600N	201	202	< 5	< 0.2	6.20	630	1.5	< 2	0.64	< 0.5	16	59	31	4.18	1.75	0.85
TSB1300 700N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
TSB1300 800N	201	202	< 5	< 0.2	6.91	800	1.5	< 2	0.68	< 0.5	15	67	22	4.25	1.90	0.66
TSB1300 900N	201	202	< 5	< 0.2	6.75	860	2.0	< 2	0.67	< 0.5	24	69	30	4.84	1.72	0.65
TSB1300 1000N	201	202	< 5	< 0.2	6.98	690	2.0	< 2	0.62	< 0.5	18	73	29	5.48	1.80	0.65
TSB1300 1100N	201	202	< 5	< 0.2	7.23	730	2.0	< 2	0.72	< 0.5	19	81	30	4.82	1.91	0.72
TSB1300 1200N	201	202	< 5	< 0.2	6.76	800	2.0	< 2	0.68	< 0.5	15	78	28	4.28	1.67	0.72
TSB1300 1300N	201	202	< 5	< 0.2	6.57	750	1.5	< 2	0.73	< 0.5	15	72	22	4.20	1.62	0.68

CERTIFICATION:

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Certificate Date: 30-JUL-98
Invoice No. :19825201
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9825201

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Tl % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
TSB1300 600N	201	202	720	< 1	0.81	20	620	14	87	0.35	106	< 10	36			
TSB1300 700N	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
TSB1300 800N	201	202	1180	1	0.84	19	800	18	113	0.41	124	< 10	56			
TSB1300 900N	201	202	2420	2	0.96	20	970	22	127	0.39	113	< 10	58			
TSB1300 1000N	201	202	1325	1	0.94	21	820	18	121	0.40	124	< 10	58			
TSB1300 1100N	201	202	1385	1	0.95	22	820	20	128	0.48	134	< 10	62			
TSB1300 1200N	201	202	1260	1	0.95	22	610	20	127	0.46	138	< 10	54			
TSB1300 1300N	201	202	965	< 1	0.98	22	530	16	136	0.43	125	< 10	62			

CERTIFICATION:

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9826144

Comments: ATTN: MURRAY JONES

CERTIFICATE A9826144

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK 98-02
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 12-AUG-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	69	Dry, sieve to -80 mesh
202	69	save reject
217	17	Geochem ring entire sample
285	86	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	86	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	86	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	86	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	86	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	86	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	86	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	86	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	86	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	86	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	86	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	86	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	86	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	86	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	86	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	86	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	86	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	86	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	86	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	86	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	86	Pb ppm: 24 element, rock & core	AAS	2	10000
582	86	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	86	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	86	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	86	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	86	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

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P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9826144

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
TSS9801-000	201	202	30	< 0.2	6.20	1770	1.5	< 2	1.40	0.5	93	51	258	5.39	3.70	1.44
TSS9801-100	217	285	< 5	< 0.2	7.31	2380	0.5	< 2	2.58	0.5	14	90	23	2.64	4.92	1.65
TSS9801-200	201	202	< 5	0.2	6.12	2910	1.5	2	4.61	0.5	37	111	287	4.83	3.26	3.76
TSS9801-300	201	202	15	0.6	5.66	1850	1.5	< 2	1.03	0.5	88	83	586	6.97	2.92	1.17
TSS9801-400	201	202	< 5	0.2	8.28	1900	4.0	< 2	0.29	0.5	73	89	337	5.99	3.18	0.88
TSS9801-500	201	202	< 5	0.6	8.62	1540	5.0	2	0.20	0.5	97	79	258	5.79	3.32	0.87
TSS9801-600	217	285	< 5	< 0.2	8.78	1450	2.5	< 2	0.22	< 0.5	12	108	28	2.73	3.59	0.79
TSS9801-700	201	202	< 5	0.4	7.13	7050	3.5	< 2	0.76	2.0	73	59	270	6.59	2.64	1.00
TSS 9801-800	201	202	10	1.0	3.11	420	2.0	2	4.34	< 0.5	36	18	191	11.50	1.72	1.68
TSS9801-900	201	202	< 5	0.4	3.45	1430	1.5	2	5.12	0.5	42	27	54	7.78	2.44	1.78
TSS9801-1000	217	285	< 5	0.2	8.02	5730	3.0	< 2	2.53	2.0	28	76	293	3.67	3.56	2.50
TSS9801-1100	217	285	< 5	0.2	5.29	3850	2.0	< 2	4.44	1.0	28	41	231	6.28	2.24	3.34
TSS9801-1200	201	202	5	0.6	5.48	2140	1.5	< 2	6.22	< 0.5	26	51	301	6.01	2.63	2.99
TSS9801-1300	201	202	< 5	0.2	6.40	1680	1.5	< 2	3.31	0.5	61	54	554	5.42	3.05	3.41
TSS9801-1400	201	202	< 5	0.6	7.76	1020	2.0	< 2	0.85	< 0.5	45	73	515	5.97	3.44	1.85
TSS9801-1500	201	202	< 5	0.4	7.10	1390	1.5	< 2	2.83	< 0.5	73	77	215	6.21	3.12	2.61
TSS9801-1600	201	202	< 5	0.8	5.15	910	1.5	< 2	8.08	< 0.5	22	62	74	4.44	1.43	5.68
TSS9801-1700	201	202	< 5	0.6	2.11	460	0.5	2	15.20	< 0.5	12	26	94	2.63	1.08	9.81
TSS9801-1800	201	202	< 5	< 0.2	0.69	140	< 0.5	2	18.90	< 0.5	5	3	59	1.09	0.29	12.05
TSS9801-1900	201	202	< 5	0.8	0.38	150	< 0.5	2	19.35	< 0.5	5	1	84	1.51	0.15	12.45
TSS9801-2000	201	202	< 5	2.4	0.63	100	< 0.5	2	18.10	3.5	11	3	35	2.77	0.44	11.60
98DHS-060	201	202	< 5	< 0.2	6.48	960	1.5	< 2	0.66	< 0.5	14	72	42	4.73	1.84	0.69
98DHS-061	201	202	< 5	0.2	6.81	760	1.5	2	0.36	< 0.5	14	71	52	4.07	1.95	0.55
98DHS-062	201	202	< 5	< 0.2	5.58	690	1.0	< 2	0.78	< 0.5	12	41	46	3.38	1.71	0.48
98DHS-063	201	202	< 5	0.2	7.76	930	5.5	< 2	0.30	< 0.5	93	65	437	6.62	2.78	0.77
98DHS-064	201	202	< 5	1.0	6.02	2020	4.0	< 2	0.64	0.5	60	46	277	9.62	1.84	0.82
98DHS-065	201	202	< 5	0.2	5.45	2340	1.5	< 2	1.10	0.5	32	47	537	7.23	2.26	1.00
98DHS-066	201	202	< 5	0.4	5.68	2160	1.5	< 2	1.16	0.5	42	54	533	5.83	2.18	1.37
98DHS-067	201	202	< 5	0.8	6.25	5100	1.5	4	3.23	2.0	94	70	577	6.59	2.49	3.04
98DHS-068	201	202	< 5	0.4	4.36	600	1.0	< 2	2.83	0.5	20	50	89	3.99	1.32	1.41
98DHS-069	201	202	< 5	< 0.2	1.66	230	0.5	2	15.35	< 0.5	8	29	42	1.71	0.79	9.88
98DHS-070	201	202	< 5	0.4	2.30	310	0.5	2	14.30	< 0.5	8	38	44	1.84	1.47	9.33
98DHS-071	201	202	< 5	0.6	6.33	2000	3.0	< 2	1.20	0.5	36	242	67	4.89	2.83	2.80
98DHS-072	201	202	15	2.0	6.00	1840	2.0	30	0.87	1.5	92	70	610	8.32	2.04	2.34
98DHS-073	201	202	< 5	1.2	5.48	1320	2.0	38	1.67	0.5	77	62	750	7.26	1.94	2.50
98DHS-074	201	202	10	1.0	4.33	890	1.5	28	7.04	2.5	156	43	2040	4.79	1.94	5.17
98DHS-075	201	202	< 5	0.2	5.99	1400	1.0	< 2	1.53	0.5	36	71	133	4.99	1.37	1.42
98DHS-076	201	202	< 5	0.2	5.71	1260	0.5	< 2	2.57	0.5	64	78	433	5.74	1.06	2.67
98DHS-077	201	202	< 5	0.2	5.04	2460	0.5	< 2	2.33	1.0	47	66	321	4.57	1.48	1.76
98DHS-078	201	202	10	0.8	5.27	2670	1.5	< 2	1.64	0.5	196	49	1200	4.83	2.82	1.70

CERTIFICATION:

Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-02
Comments: ATTN: MURRAY JONES

Certificate Date: 12-AUG-98
Invoice No. :19826144
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9826144

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
TSS9801-000	201 202	6320	1	0.66	39	1240	16	60	0.16	75	< 10	172
TSS9801-100	217 285	1630	1	2.04	20	1180	2	82	0.22	71	< 10	54
TSS9801-200	201 202	4340	< 1	0.25	37	770	10	38	0.27	142	< 10	86
TSS9801-300	201 202	7530	< 1	0.31	45	1170	54	54	0.20	102	< 10	148
TSS9801-400	201 202	3390	3	0.37	52	1160	50	39	0.28	88	< 10	98
TSS9801-500	201 202	3100	3	0.25	52	940	80	33	0.29	82	10	90
TSS9801-600	217 285	685	< 1	0.10	20	530	10	8	0.26	77	< 10	28
TSS9801-700	201 202	4970	3	0.16	41	780	66	36	0.20	68	< 10	70
TSS 9801-800	201 202	5090	13	0.02	52	3670	90	52	0.10	63	10	146
TSS9801-900	201 202	9050	2	0.05	29	580	64	32	0.11	29	< 10	150
TSS9801-1000	217 285	2280	1	0.14	34	610	12	44	0.31	80	< 10	40
TSS9801-1100	217 285	9170	3	0.23	28	1080	10	52	0.20	64	< 10	58
TSS9801-1200	201 202	5360	3	0.22	32	990	6	123	0.24	75	< 10	38
TSS9801-1300	201 202	5110	2	0.45	42	1360	10	62	0.27	104	< 10	70
TSS9801-1400	201 202	5200	3	0.53	56	1180	12	32	0.30	102	10	62
TSS9801-1500	201 202	3200	3	0.45	37	880	2	22	0.23	114	< 10	22
TSS9801-1600	201 202	3730	1	0.36	26	680	22	45	0.18	81	< 10	56
TSS9801-1700	201 202	3340	< 1	0.13	16	330	24	33	0.09	36	< 10	60
TSS9801-1800	201 202	1915	< 1	0.13	5	140	42	27	0.03	26	< 10	134
TSS9801-1900	201 202	1900	< 1	0.08	6	80	36	30	0.01	22	< 10	92
TSS9801-2000	201 202	2320	< 1	0.06	18	110	160	26	0.03	33	< 10	1640
98DHS-060	201 202	710	3	0.82	17	580	32	114	0.44	152	10	96
98DHS-061	201 202	1245	1	0.68	15	790	22	72	0.34	132	< 10	62
98DHS-062	201 202	740	2	1.11	13	1030	22	171	0.26	74	< 10	56
98DHS-063	201 202	6740	3	0.55	39	740	32	46	0.27	78	< 10	56
98DHS-064	201 202	9180	6	0.40	47	1310	108	59	0.20	75	< 10	156
98DHS-065	201 202	8240	2	0.65	32	1210	16	48	0.18	73	< 10	46
98DHS-066	201 202	2430	3	0.54	38	1160	24	64	0.23	84	10	64
98DHS-067	201 202	4760	4	0.53	69	840	52	49	0.20	87	< 10	162
98DHS-068	201 202	3990	1	0.65	28	1290	44	118	0.19	83	< 10	172
98DHS-069	201 202	2360	< 1	0.22	19	490	18	35	0.08	43	< 10	80
98DHS-070	201 202	2450	< 1	0.20	19	520	22	35	0.10	43	< 10	154
98DHS-071	201 202	4000	< 1	0.47	100	960	60	79	0.34	105	< 10	154
98DHS-072	201 202	>10000	4	0.47	105	1280	108	82	0.28	128	< 10	352
98DHS-073	201 202	>10000	8	0.40	87	960	70	65	0.24	128	< 10	154
98DHS-074	201 202	5510	3	0.33	41	660	100	58	0.21	82	< 10	1105
98DHS-075	201 202	1675	5	0.98	36	1010	36	177	0.38	158	< 10	270
98DHS-076	201 202	2390	< 1	0.91	64	1210	118	215	0.30	162	< 10	300
98DHS-077	201 202	3140	1	0.73	47	1090	58	189	0.26	118	< 10	184
98DHS-078	201 202	6310	4	0.41	40	1070	18	82	0.26	89	< 10	62

CERTIFICATION: John H Buchholz

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SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
98DHS-079	201	202	< 5	0.2	7.96	4610	4.5	< 2	0.50	1.5	99	66	407	6.96	2.81	1.03
98DHS-080	201	202	< 5	0.2	5.68	980	1.0	< 2	0.62	0.5	14	62	51	4.65	1.93	0.63
98DHS-081	201	202	< 5	< 0.2	6.08	1020	1.5	< 2	1.04	0.5	35	71	264	5.40	1.69	0.96
98DHS-082	201	202	< 5	< 0.2	4.10	840	1.0	< 2	7.37	0.5	17	42	195	3.94	1.37	4.70
98DHS-083	201	202	< 5	0.2	1.20	330	< 0.5	2	16.90	< 0.5	8	10	89	1.97	0.49	11.35
98DHS-084	201	202	< 5	0.2	2.26	340	0.5	2	12.10	< 0.5	9	24	69	2.14	0.68	6.98
98DHS-085	201	202	10	< 0.2	6.25	1770	2.0	< 2	1.45	0.5	40	52	425	6.01	3.13	1.20
98DHS-086	217	285	< 5	< 0.2	10.85	1660	3.0	< 2	0.14	0.5	11	108	119	2.26	4.54	0.75
98DHS-087	217	285	< 5	< 0.2	10.10	770	4.5	< 2	0.19	< 0.5	9	106	145	2.85	4.60	0.87
98DHS-088	201	202	< 5	0.2	6.75	5110	2.0	< 2	2.20	2.0	31	56	236	5.70	2.03	1.96
98DHS-089	217	285	< 5	< 0.2	8.77	1160	3.5	2	0.30	< 0.5	20	140	85	1.97	4.27	0.71
98DHS-090	217	285	< 5	0.2	7.85	1020	3.0	< 2	0.81	< 0.5	19	96	43	4.11	4.50	1.02
98DHS-091	217	285	< 5	< 0.2	9.07	1360	4.0	< 2	0.21	< 0.5	23	116	104	3.50	3.13	0.93
98DHS-092	217	285	< 5	0.2	7.69	1040	2.0	< 2	2.00	0.5	21	106	121	4.65	4.54	2.23
98DHS-093	217	285	< 5	0.2	6.56	810	2.0	2	3.11	< 0.5	21	115	47	3.81	3.27	2.49
98DHS-094	201	202	< 5	0.2	4.89	1860	1.5	< 2	1.59	1.5	55	48	248	6.54	2.20	1.10
98DHS-095	201	202	< 5	0.4	6.02	1550	1.5	< 2	1.46	0.5	75	54	596	5.14	3.43	1.40
98DHS-096	217	285	< 5	0.8	7.74	1390	1.5	< 2	0.65	0.5	43	110	982	2.82	6.11	1.00
98DHS-097	201	202	< 5	0.4	5.99	2850	1.5	< 2	1.23	1.5	42	50	319	4.70	3.16	1.35
98DHS-098	201	202	< 5	0.2	5.79	5010	0.5	< 2	2.92	2.0	18	40	91	3.80	2.81	2.17
98DHS-099	201	202	10	0.4	4.41	3280	1.0	< 2	4.78	2.0	36	81	241	4.63	2.64	3.18
98DHS-100	201	202	< 5	0.4	4.15	2850	1.0	< 2	0.35	1.0	26	101	182	4.94	1.08	1.89
98DHS-101	201	202	< 5	< 0.2	5.77	4400	1.5	< 2	3.86	1.5	26	76	196	5.12	3.14	2.99
98TSS-001	201	202	< 5	< 0.2	8.72	790	5.0	< 2	0.33	< 0.5	66	64	34	3.90	2.70	1.00
98TSS-002	201	202	< 5	< 0.2	8.69	2000	5.0	< 2	0.47	0.5	48	64	118	4.69	3.07	1.21
98TSS-003	217	285	< 5	< 0.2	10.50	1150	3.5	< 2	0.11	< 0.5	14	95	36	2.87	4.89	0.73
98TSS-004	201	202	< 5	< 0.2	4.43	1080	1.5	< 2	1.44	0.5	18	35	15	4.22	1.58	1.11
98TSS-005	217	285	< 5	< 0.2	8.32	600	2.5	< 2	0.84	< 0.5	10	94	21	2.55	3.88	1.00
98TSS-006	201	202	10	< 0.2	6.14	2070	1.5	< 2	0.96	0.5	40	40	392	4.84	1.37	1.48
98TSS-007	201	202	< 5	< 0.2	7.82	1050	3.5	< 2	0.44	0.5	70	65	97	4.78	2.89	1.29
98TSS-008	201	202	< 5	< 0.2	7.98	700	3.0	2	0.72	< 0.5	38	65	121	4.44	2.71	0.93
98TSS-009	201	202	< 5	0.2	7.56	690	3.0	6	0.56	< 0.5	52	83	97	5.05	2.29	0.89
98TSS-010	201	202	< 5	< 0.2	7.63	750	3.0	< 2	0.39	< 0.5	42	77	82	4.72	2.41	0.94
98TSS-011	201	202	10	0.2	6.00	940	2.5	6	0.73	< 0.5	51	40	105	7.91	2.09	1.34
98TSS-012	201	202	< 5	0.2	8.08	1560	2.5	2	0.19	< 0.5	28	69	45	3.57	3.02	0.77
98TSS-013	217	285	< 5	0.2	8.53	880	2.5	< 2	0.11	< 0.5	11	107	24	2.82	3.47	0.54
98TSS-014	217	285	< 5	< 0.2	8.31	2310	2.5	2	0.13	0.5	15	110	33	2.92	3.26	0.66
98TSS-015	217	285	< 5	< 0.2	8.78	640	2.5	< 2	0.12	< 0.5	20	126	43	4.49	3.07	0.87
98TSS-016	201	202	< 5	0.2	4.53	940	2.0	2	0.61	0.5	32	27	300	9.85	1.61	1.05
98TSS-017	201	202	< 5	0.2	6.42	850	2.0	< 2	0.82	0.5	43	47	76	4.43	2.75	1.15

SCAR Y

CERTIFICATION:

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CERTIFICATE OF ANALYSIS A9826144

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
98DHS-079	201	202	7860	3	0.60	39	860	30	98	0.26	87	< 10	50			
98DHS-080	201	202	1600	1	0.69	18	670	20	95	0.37	121	< 10	108			
98DHS-081	201	202	3110	1	0.74	30	1450	28	107	0.28	129	< 10	118			
98DHS-082	201	202	5250	< 1	0.54	25	1120	32	92	0.20	85	< 10	132			
98DHS-083	201	202	2640	< 1	0.16	11	210	22	37	0.07	42	< 10	78			
98DHS-084	201	202	2570	< 1	0.34	16	1030	28	62	0.14	62	< 10	84			
98DHS-085	201	202	5840	1	0.21	23	1110	26	33	0.20	83	< 10	104			
98DHS-086	217	285	240	< 1	0.17	23	490	6	10	0.30	90	< 10	16			
98DHS-087	217	285	485	< 1	0.14	24	510	6	13	0.30	90	< 10	20			
98DHS-088	201	202	4090	1	0.46	32	1350	24	46	0.20	101	< 10	76			
98DHS-089	217	285	840	< 1	0.20	24	590	42	14	0.25	84	< 10	62			
98DHS-090	217	285	3380	< 1	0.29	27	570	32	30	0.28	69	< 10	64			
98DHS-091	217	285	1255	< 1	0.30	34	540	10	38	0.30	87	< 10	32			
98DHS-092	217	285	1225	< 1	0.21	38	600	24	24	0.30	111	< 10	148			
98DHS-093	217	285	2480	< 1	0.19	26	800	6	30	0.26	76	< 10	54			
98DHS-094	201	202	6980	1	0.33	34	1380	38	50	0.20	79	< 10	298			
98DHS-095	201	202	6800	1	0.27	36	1420	38	47	0.19	81	< 10	196			
98DHS-096	217	285	1340	< 1	0.12	23	770	20	19	0.23	111	< 10	58			
98DHS-097	201	202	5290	< 1	0.53	32	1360	60	59	0.18	81	< 10	210			
98DHS-098	201	202	5800	< 1	1.09	27	1430	14	67	0.13	63	< 10	88			
98DHS-099	201	202	3890	1	0.12	46	920	70	38	0.15	79	< 10	174			
98DHS-100	201	202	4400	< 1	0.42	59	520	46	43	0.14	120	< 10	94			
98DHS-101	201	202	5360	< 1	0.23	25	1130	18	51	0.20	90	< 10	48			
98TSS-001	201	202	6340	1	0.44	24	1170	22	52	0.28	74	< 10	28			
98TSS-002	201	202	5230	1	0.61	32	440	14	77	0.25	85	< 10	34			
98TSS-003	217	285	1280	< 1	0.32	18	140	4	17	0.34	81	< 10	14			
98TSS-004	201	202	7060	1	0.35	19	1240	12	61	0.16	71	< 10	30			
98TSS-005	217	285	1260	< 1	0.73	22	660	6	18	0.25	68	< 10	8			
98TSS-006	201	202	6870	4	1.18	19	1140	10	34	0.17	64	< 10	26			
98TSS-007	201	202	5170	1	0.55	40	570	12	39	0.26	73	< 10	24			
98TSS-008	201	202	4100	1	0.85	30	1160	20	108	0.28	91	< 10	42			
98TSS-009	201	202	3250	1	0.82	41	1050	32	94	0.33	116	< 10	48			
98TSS-010	201	202	1710	1	0.53	30	1280	24	58	0.24	91	< 10	34			
98TSS-011	201	202	4590	5	0.22	40	1770	32	29	0.13	64	< 10	38			
98TSS-012	201	202	1030	< 1	0.36	23	430	12	28	0.35	71	< 10	16			
98TSS-013	217	285	245	< 1	0.61	15	330	8	21	0.33	66	< 10	12			
98TSS-014	217	285	565	< 1	0.49	15	250	16	20	0.35	64	< 10	14			
98TSS-015	217	285	385	< 1	0.25	33	480	6	15	0.30	81	< 10	14			
98TSS-016	201	202	>10000	4	0.27	27	960	38	54	0.15	60	< 10	46			
98TSS-017	201	202	5310	1	0.92	32	770	46	40	0.24	53	< 10	158			

SCARY

CERTIFICATION:

Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-02
Comments: ATTN: MURRAY JONES

Page Number :3-A
Total Pages :3
Certificate Date: 12-AUG-98
Invoice No. :19826144
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9826144

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
98TSS-018	201	202	< 5	< 0.2	7.89	810	3.5	< 2	0.61	< 0.5	46	75	36	4.20	2.48	0.98
98TSS-019	201	202	< 5	< 0.2	7.42	640	2.0	< 2	0.72	< 0.5	35	79	36	3.59	2.40	0.92
98TSS-020	201	202	< 5	< 0.2	5.38	730	1.5	< 2	0.83	< 0.5	21	45	24	4.57	1.73	1.12
98TSS-021	201	202	< 5	0.2	5.29	490	1.0	< 2	1.19	< 0.5	14	39	11	4.23	1.36	1.05
98TSS-022	201	202	< 5	< 0.2	6.10	720	1.5	< 2	0.85	0.5	18	49	20	4.64	1.85	1.17
98TSS-023	201	202	< 5	< 0.2	4.78	600	1.5	< 2	1.16	< 0.5	11	23	62	3.06	2.24	1.24

SCARY

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK 98-02
Comments: ATTN: MURRAY JONES

Certificate Date: 12-AUG-98
Invoice No. :I9826144
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9826144

→ SCARY

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
98TSS-018	201	202	2250	1	1.06	36	1010	30	115	0.36	94	< 10	48			
98TSS-019	201	202	1200	1	0.97	33	1170	22	112	0.38	109	< 10	56			
98TSS-020	201	202	3750	1	0.75	22	1180	10	69	0.23	83	10	40			
98TSS-021	201	202	5560	1	1.27	19	1250	32	62	0.22	66	< 10	28			
98TSS-022	201	202	7210	1	1.42	23	1320	26	63	0.27	76	< 10	36			
98TSS-023	201	202	4130	< 1	0.29	12	1000	10	19	0.17	42	< 10	22			

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9826322

Comments: ATTN: MURRAY JONES

CERTIFICATE A9826322

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-02
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 2-AUG-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
244	1	Pulp; prev. prepared at Chemex

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
3551	1	Ba %: XRF	XRF	0.01	100.0

Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Page Number : 1
Total Pages : 1
Certificate Date: 02-AUG-98
Invoice No. : I9826322
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9826322

SAMPLE	PREP CODE		Ba XRF %
98DHS 035	244	--	1.77

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1
Phone: (604) 984-0221
Fax: (604) 984-0218

August 21, 1998

Murray Jones
Equity Engineering Ltd.
207 - 675 W. Hastings St.
Vancouver, B.C.
V6B - 1N2

Dear Mr. Jones,

RE: Certificate of Analysis A9826556
Corrected Copy for Pb - Sample 98DHS-265

Our internal quality assurance program has found an error in the data reported to you on Certificate of Analysis A9826556. Unfortunately, due to an analytical sample mix-up, the original value of >10 000 ppm Pb reported for sample 98DHS-265 was incorrect. During analysis this sample was not run and another run in its place. The sample has been re-analyzed and the correct value of 4300 ppm Pb reported on the enclosed revised certificate.

Please accept our apologies for any inconvenience this may have caused. If you have any questions please feel free to contact me.

Regards,

Michele Wonghen,
Quality Assurance Chemist

Enclosures: Certificate of Analysis A9826556
Corrected Copy for Pb - Sample 98DHS-265

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A9826556

Comments: ATTN: MURRAY JONES

CERTIFICATE A9826556

(EIA) - EQUITY ENGINEERING LTD.

Project: BLK98-02
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 21-AUG-98.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	307	Dry, sieve to -80 mesh
202	307	save reject
217	36	Geochem ring entire sample
285	343	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	343	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	343	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	343	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	343	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	343	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	343	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	343	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	343	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	343	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	343	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	343	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	343	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	343	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	343	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	343	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	343	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	343	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	343	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	343	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	343	Pb ppm: 24 element, rock & core	AAS	2	10000
582	343	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	343	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	343	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	343	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	343	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Page Number :1-A
Total Pages :9
Certificate Date: 13-AUG-98
Invoice No. :I9826556
P.O. Number :
Account :EIA

CORRECTED COPY

CERTIFICATE OF ANALYSIS A9826556

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
98DHS-102	201	202	10	0.2	2.56	930	1.5	2	12.15	0.5	27	34	101	2.99	1.86	8.20
98DHS-103	201	202	< 5	< 0.2	4.60	580	1.5	< 2	3.92	0.5	21	52	82	3.04	3.38	2.32
98DHS-104	201	202	< 5	< 0.2	5.58	760	2.5	< 2	1.22	< 0.5	16	59	66	3.62	3.49	1.28
98DHS-105	201	202	< 5	1.0	5.65	740	2.5	2	5.49	< 0.5	12	56	42	2.66	3.00	3.58
98DHS-106	201	202	< 5	< 0.2	5.38	870	1.5	< 2	1.10	< 0.5	14	69	31	3.84	2.21	1.12
98DHS-107	201	202	< 5	1.6	5.59	790	1.5	< 2	0.68	< 0.5	15	61	26	3.58	2.52	1.08
98DHS-108	201	202	< 5	2.8	5.51	920	1.5	< 2	1.02	0.5	17	57	69	4.17	2.50	1.99
98DHS-109	201	202	< 5	< 0.2	4.48	750	0.5	< 2	0.44	< 0.5	35	53	105	3.89	2.24	0.60
98DHS-110	201	202	< 5	< 0.2	5.60	880	1.5	< 2	0.63	< 0.5	38	53	115	5.02	2.17	1.09
98DHS-111	201	202	< 5	0.4	4.52	720	1.0	< 2	0.99	< 0.5	22	47	97	3.85	2.11	0.73
98DHS-112	201	202	< 5	< 0.2	2.40	690	0.5	< 2	13.55	1.0	16	25	301	2.56	1.10	9.15
98DHS-113	201	202	< 5	0.4	0.68	170	< 0.5	< 2	17.60	< 0.5	6	9	70	1.07	0.41	11.65
98DHS-114	201	202	< 5	< 0.2	0.36	200	< 0.5	2	18.75	< 0.5	8	3	75	1.18	0.14	12.40
98DHS-115	201	202	< 5	< 0.2	5.17	860	1.5	< 2	3.84	0.5	20	63	63	3.61	0.88	2.35
98DHS-116	201	202	< 5	< 0.2	0.82	130	< 0.5	2	17.90	< 0.5	6	8	25	0.76	0.29	12.05
98DHS-117	201	202	< 5	0.6	1.28	230	< 0.5	2	16.45	< 0.5	8	15	78	1.07	0.62	10.95
98DHS-118	201	202	< 5	0.2	3.29	510	1.0	< 2	8.35	< 0.5	13	37	68	1.79	2.03	5.12
98DHS-119	201	202	< 5	0.2	4.74	610	2.0	< 2	1.47	< 0.5	23	51	91	3.61	2.46	1.19
98DHS-120	201	202	< 5	0.4	5.16	1030	1.5	< 2	1.27	< 0.5	53	64	201	4.82	1.87	0.98
98DHS-121	201	202	10	0.2	2.97	1290	0.5	< 2	2.09	< 0.5	131	40	881	2.58	1.36	1.16
98DHS-122	201	202	20	1.4	5.55	1140	1.5	4	0.76	< 0.5	177	77	1920	6.93	2.49	0.87
98DHS-123	201	202	< 5	0.2	4.82	1270	1.5	< 2	1.29	< 0.5	26	59	1555	6.17	2.10	0.82
98DHS-124	201	202	< 5	< 0.2	3.24	820	0.5	< 2	1.60	< 0.5	40	44	2740	5.25	1.31	0.66
98DHS-125	201	202	< 5	< 0.2	5.38	910	1.5	< 2	1.45	< 0.5	24	66	147	6.45	1.96	0.97
98DHS-126	201	202	< 5	< 0.2	5.66	700	1.0	< 2	1.18	< 0.5	20	110	137	4.48	1.81	1.05
98DHS-127	201	202	< 5	< 0.2	3.77	820	0.5	< 2	1.77	< 0.5	17	45	143	6.54	1.26	0.78
98DHS-128	201	202	< 5	< 0.2	5.32	1020	1.5	< 2	1.32	< 0.5	37	77	354	6.64	2.36	1.29
98DHS-129	201	202	10	0.4	6.31	1600	1.5	< 2	1.79	< 0.5	57	89	1320	5.99	2.69	1.34
98DHS-130	201	202	5	0.2	3.96	910	1.0	8	2.46	< 0.5	49	49	1335	6.95	1.76	1.48
98DHS-131	201	202	10	< 0.2	5.66	990	1.0	< 2	0.66	< 0.5	19	69	85	4.66	2.30	0.98
98DHS-132	201	202	5	< 0.2	6.23	1250	3.0	10	0.53	< 0.5	23	65	59	4.03	3.20	0.96
98DHS-133	201	202	< 5	< 0.2	7.32	1400	4.5	62	0.64	< 0.5	37	83	187	4.46	3.66	0.87
98DHS-134	217	285	< 5	< 0.2	8.04	6190	3.0	< 2	0.05	< 0.5	8	93	42	1.71	6.07	0.82
98DHS-135	201	202	< 5	< 0.2	5.07	3960	1.5	< 2	1.58	< 0.5	17	64	80	4.64	2.92	1.02
98DHS-136	201	202	15	< 0.2	6.22	2180	2.0	< 2	0.62	< 0.5	50	63	409	5.85	3.15	1.33
98DHS-137	201	202	< 5	< 0.2	4.37	3940	1.0	< 2	4.52	0.5	31	41	374	4.24	2.84	2.86
98DHS-138	217	285	< 5	< 0.2	9.06	2490	0.5	< 2	0.20	< 0.5	46	142	155	6.16	4.59	2.04
98DHS-139	201	202	5	< 0.2	6.82	1860	1.0	< 2	0.79	< 0.5	40	135	425	5.80	3.46	1.33
98DHS-140	201	202	10	2.6	6.37	1460	1.5	< 2	0.77	0.5	69	81	900	6.28	3.34	1.03
98DHS-141	201	202	10	1.6	5.95	1550	1.5	2	0.51	< 0.5	57	69	521	5.50	3.62	0.92

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Certificate Date: 13-AUG-98
Invoice No. : I9826556
P.O. Number :
Account : EIA

CORRECTED COPY

CERTIFICATE OF ANALYSIS A9826556

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
98DHS-102	201	202	4580	< 1	0.10	27	480	68	42	0.14	40	< 10	432			
98DHS-103	201	202	5220	< 1	0.22	22	880	28	45	0.23	59	< 10	312			
98DHS-104	201	202	5190	< 1	0.36	25	1450	22	61	0.26	68	< 10	118			
98DHS-105	201	202	4020	< 1	0.30	17	760	22	50	0.26	63	< 10	82			
98DHS-106	201	202	2750	< 1	0.74	25	1430	14	115	0.34	95	10	96			
98DHS-107	201	202	2510	< 1	0.72	23	1090	14	98	0.31	90	< 10	82			
98DHS-108	201	202	3050	< 1	0.51	29	930	86	75	0.29	80	< 10	196			
98DHS-109	201	202	4020	< 1	0.42	29	1230	26	62	0.21	105	< 10	98			
98DHS-110	201	202	6110	< 1	0.39	40	1760	20	59	0.23	93	< 10	142			
98DHS-111	201	202	4090	< 1	0.48	24	1790	16	76	0.21	80	< 10	108			
98DHS-112	201	202	3440	< 1	0.22	18	440	22	44	0.10	52	< 10	306			
98DHS-113	201	202	1880	< 1	0.10	7	160	14	29	0.03	25	< 10	174			
98DHS-114	201	202	2740	< 1	0.09	5	120	14	30	0.01	22	< 10	128			
98DHS-115	201	202	3530	< 1	0.81	30	2140	30	120	0.28	112	< 10	180			
98DHS-116	201	202	1070	< 1	0.15	7	240	10	29	0.05	30	< 10	66			
98DHS-117	201	202	1490	< 1	0.15	15	540	16	36	0.07	55	< 10	88			
98DHS-118	201	202	1730	< 1	0.26	22	1140	26	49	0.16	56	< 10	322			
98DHS-119	201	202	2060	< 1	0.24	33	1250	58	41	0.21	57	< 10	232			
98DHS-120	201	202	5910	< 1	0.60	40	1570	24	91	0.25	95	< 10	112			
98DHS-121	201	202	2680	< 1	0.18	30	890	38	39	0.12	54	< 10	284			
98DHS-122	201	202	6810	2	0.59	80	960	50	88	0.23	104	< 10	286			
98DHS-123	201	202	>10000	< 1	0.44	29	1150	16	75	0.20	85	< 10	114			
98DHS-124	201	202	>10000	< 1	0.36	30	1310	24	68	0.14	68	< 10	146			
98DHS-125	201	202	5550	2	0.68	30	1390	14	113	0.25	84	< 10	94			
98DHS-126	201	202	1870	< 1	1.00	37	1000	34	164	0.29	102	< 10	160			
98DHS-127	201	202	7400	< 1	0.36	29	1840	14	71	0.13	83	< 10	80			
98DHS-128	201	202	6510	< 1	0.32	36	1070	12	47	0.22	179	< 10	86			
98DHS-129	201	202	6810	< 1	0.47	51	1070	24	79	0.33	232	< 10	122			
98DHS-130	201	202	>10000	< 1	0.23	35	1320	18	44	0.14	68	< 10	138			
98DHS-131	201	202	1620	3	0.77	27	1020	20	109	0.35	132	< 10	108			
98DHS-132	201	202	5020	< 1	0.36	27	870	40	58	0.25	75	10	142			
98DHS-133	201	202	3200	< 1	0.74	37	730	48	119	0.42	112	< 10	84			
98DHS-134	217	285	325	< 1	0.19	15	210	14	269	0.33	86	< 10	106			
98DHS-135	201	202	6500	< 1	0.23	21	1180	4	55	0.18	85	< 10	74			
98DHS-136	201	202	>10000	< 1	0.49	37	1030	30	66	0.31	128	< 10	132			
98DHS-137	201	202	8270	< 1	0.22	23	650	24	381	0.19	86	< 10	112			
98DHS-138	217	285	3190	< 1	0.28	80	490	10	30	0.57	352	10	154			
98DHS-139	201	202	5070	< 1	0.35	55	1060	18	34	0.17	262	< 10	92			
98DHS-140	201	202	5580	2	0.56	70	1020	84	90	0.29	166	< 10	166			
98DHS-141	201	202	7810	1	0.30	54	1030	72	52	0.30	168	< 10	122			

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Certificate Date: 13-AUG-98
Invoice No. :19826556
P.O. Number :
Account :EIA

CORRECTED COPY

CERTIFICATE OF ANALYSIS A9826556

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
98DHS-142	201 202	5	0.6	6.43	1530	1.5	< 2	1.01	< 0.5	101	70	906	6.08	3.44	0.93
98DHS-143	201 202	< 5	0.6	7.20	1500	2.0	< 2	0.62	< 0.5	44	103	301	5.30	4.03	1.10
98DHS-144	201 202	< 5	0.4	5.93	920	2.0	< 2	0.97	< 0.5	39	72	184	5.02	2.94	1.02
98DHS-145	201 202	< 5	< 0.2	8.01	1580	2.5	< 2	1.03	< 0.5	51	80	390	6.09	2.78	1.37
98DHS-146	201 202	< 5	0.4	6.63	1090	1.5	< 2	3.93	< 0.5	36	59	104	4.79	4.12	2.50
98DHS-147	201 202	< 5	0.2	5.99	1520	1.5	< 2	1.43	< 0.5	21	48	298	6.29	3.26	1.33
98DHS-148	201 202	< 5	0.6	5.67	1620	1.5	< 2	3.99	< 0.5	31	49	185	4.63	3.60	2.60
98DHS-149	201 202	< 5	0.2	6.89	1930	2.0	< 2	3.43	< 0.5	26	64	103	3.89	4.13	2.30
98DHS-150	201 202	< 5	0.8	3.75	890	0.5	< 2	2.16	< 0.5	23	27	250	3.76	1.61	1.28
98DHS-151	201 202	< 5	< 0.2	4.76	1230	0.5	< 2	6.57	< 0.5	16	33	119	3.88	3.33	4.07
98DHS-152	201 202	< 5	0.6	7.70	1350	2.5	< 2	0.88	< 0.5	22	80	76	5.91	3.87	1.55
98DHS-153	201 202	< 10	0.2	9.17	1970	3.5	< 2	0.95	< 0.5	31	95	131	6.16	4.53	2.22
98DHS-154	201 202	< 5	1.2	8.06	2230	2.5	< 2	0.70	< 0.5	23	87	256	5.51	4.06	1.23
98DHS-155	201 202	< 5	0.6	6.98	3140	2.0	< 2	0.44	< 0.5	33	104	163	5.90	2.97	0.92
98DHS-156	201 202	< 5	0.4	7.22	1630	2.5	< 2	0.89	0.5	22	155	114	4.75	4.03	1.37
98DHS-157	201 202	5	0.2	7.30	1420	2.5	< 2	1.01	0.5	30	92	209	5.30	3.10	1.13
98DHS-158	201 202	< 5	0.8	6.90	1040	2.5	< 2	3.90	< 0.5	26	73	129	4.00	3.22	2.92
98DHS-159	201 202	10	0.2	6.46	1530	2.5	< 2	1.82	0.5	61	60	718	5.55	3.14	1.62
98DHS-160	201 202	< 5	< 0.2	5.08	4690	1.5	< 2	2.33	0.5	18	57	121	4.82	1.81	1.59
98DHS-161	201 202	< 5	< 0.2	5.04	1440	1.5	< 2	5.85	< 0.5	31	35	245	5.01	3.10	3.59
98DHS-162	201 202	< 5	0.4	1.09	260	< 0.5	< 2	16.20	11.0	14	11	251	1.67	0.37	10.60
98DHS-163	201 202	< 5	< 0.2	0.62	700	< 0.5	< 2	18.15	4.0	7	5	88	0.89	0.28	11.95
98DHS-164	201 202	< 5	1.2	3.18	2300	1.0	< 2	10.75	3.0	18	29	482	1.77	1.36	7.26
98DHS-165	201 202	< 5	< 0.2	7.42	1590	4.5	< 2	0.52	0.5	32	77	131	4.04	4.37	1.44
98DHS-166	201 202	< 5	< 0.2	5.80	1160	2.0	< 2	0.79	< 0.5	11	60	62	3.05	2.79	0.85
98DHS-167	201 202	< 5	< 0.2	6.24	950	3.0	< 2	0.52	< 0.5	13	66	79	2.88	3.67	1.20
98DHS-168	201 202	< 5	0.2	4.75	1820	2.0	2	1.83	0.5	36	47	179	3.97	2.01	0.99
98DHS-169	201 202	< 5	0.2	7.25	1310	2.5	2	3.04	0.5	38	65	320	4.08	3.44	2.39
98DHS-170	201 202	< 5	< 0.2	8.80	1060	3.5	< 2	0.59	< 0.5	33	70	71	3.53	3.86	0.76
98DHS-171	217 285	< 5	< 0.2	10.05	560	2.5	< 2	0.09	< 0.5	14	69	20	2.65	4.46	0.58
98DHS-172	217 285	< 5	< 0.2	8.97	530	2.5	< 2	0.06	< 0.5	12	67	19	2.52	3.97	0.53
98DHS-173	217 285	< 5	< 0.2	9.29	620	2.5	< 2	0.07	< 0.5	14	74	22	2.55	4.18	0.58
98DHS-174	217 285	< 5	< 0.2	9.55	1130	3.0	< 2	0.15	< 0.5	17	73	42	2.87	3.40	0.59
98DHS-175	217 285	< 5	< 0.2	10.00	580	3.0	< 2	0.07	< 0.5	10	67	14	2.01	4.54	0.53
98DHS-176	201 202	< 5	0.2	8.45	3080	3.5	< 2	0.22	< 0.5	30	66	74	3.07	3.87	0.54
98DHS-177	201 202	< 5	0.2	6.44	860	1.5	< 2	0.69	< 0.5	19	69	182	3.64	2.19	0.56
98DHS-178	201 202	< 5	0.2	7.68	1970	3.0	< 2	0.38	< 0.5	38	72	341	4.19	3.58	0.64
98DHS-179	201 202	< 5	1.2	5.78	2720	2.0	< 2	1.90	0.5	59	55	1415	9.47	2.95	1.23
98DHS-180	217 285	< 5	< 0.2	9.32	2570	2.5	< 2	0.13	< 0.5	21	85	123	3.18	4.37	0.56
98DHS-181	217 285	< 5	< 0.2	9.42	1100	3.0	< 2	0.15	< 0.5	18	80	92	3.15	4.38	0.55

CERTIFICATION:

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Certificate Date: 13-AUG-98
Invoice No. : I9826556
P.O. Number :
Account :EIA

CORRECTED COPY

CERTIFICATE OF ANALYSIS A9826556

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
98DHS-142	201	202	7940	< 1	0.31	50	1190	34	34	0.43	205	< 10	78			
98DHS-143	201	202	6470	< 1	0.41	47	1200	44	70	0.33	123	< 10	202			
98DHS-144	201	202	8500	1	0.51	40	990	34	83	0.31	100	< 10	96			
98DHS-145	201	202	5740	< 1	0.42	51	1100	40	52	0.36	122	< 10	76			
98DHS-146	201	202	5760	< 1	0.31	37	960	24	40	0.29	95	< 10	50			
98DHS-147	201	202	6220	< 1	0.48	28	1350	46	80	0.22	98	< 10	108			
98DHS-148	201	202	5160	< 1	0.39	29	940	18	61	0.28	99	10	48			
98DHS-149	201	202	4470	< 1	0.38	32	1010	12	63	0.32	96	< 10	62			
98DHS-150	201	202	3300	< 1	0.33	20	1090	16	41	0.17	123	< 10	172			
98DHS-151	201	202	6250	< 1	0.22	15	970	8	56	0.16	53	< 10	62			
98DHS-152	201	202	4620	< 1	0.43	34	820	14	53	0.39	111	< 10	60			
98DHS-153	201	202	4500	< 1	0.31	40	780	18	27	0.46	135	< 10	58			
98DHS-154	201	202	3940	< 1	0.55	43	1030	14	95	0.34	110	< 10	64			
98DHS-155	201	202	3490	< 1	0.63	33	2400	24	74	0.35	152	< 10	68			
98DHS-156	201	202	2860	< 1	0.45	46	1030	124	73	0.39	122	< 10	372			
98DHS-157	201	202	4260	< 1	0.57	43	910	70	106	0.39	131	< 10	378			
98DHS-158	201	202	2540	< 1	0.33	33	480	62	50	0.34	110	< 10	292			
98DHS-159	201	202	7380	< 1	0.44	63	1240	32	65	0.32	119	< 10	140			
98DHS-160	201	202	8670	< 1	0.24	24	1540	10	59	0.23	75	< 10	60			
98DHS-161	201	202	7170	< 1	0.25	23	670	16	42	0.19	72	10	112			
98DHS-162	201	202	2130	< 1	0.22	15	240	214	53	0.06	29	< 10	3300			
98DHS-163	201	202	1920	< 1	0.13	7	200	78	32	0.03	23	< 10	1625			
98DHS-164	201	202	2730	< 1	0.20	18	370	214	58	0.14	47	< 10	1915			
98DHS-165	201	202	3290	1	0.52	33	760	114	67	0.36	90	< 10	266			
98DHS-166	201	202	1560	< 1	0.71	18	1100	30	113	0.30	80	< 10	170			
98DHS-167	201	202	2320	< 1	0.40	27	630	44	61	0.28	72	< 10	190			
98DHS-168	201	202	7420	< 1	0.37	30	1590	76	70	0.22	79	< 10	274			
98DHS-169	201	202	4010	1	0.67	35	600	78	87	0.38	100	< 10	366			
98DHS-170	201	202	2240	< 1	0.89	23	410	32	132	0.47	94	< 10	88			
98DHS-171	217	285	620	< 1	0.60	17	210	6	26	0.46	81	< 10	48			
98DHS-172	217	285	585	< 1	0.69	17	180	2	19	0.37	68	< 10	44			
98DHS-173	217	285	435	< 1	0.60	19	170	6	18	0.38	70	< 10	46			
98DHS-174	217	285	1420	< 1	0.65	20	290	14	34	0.38	83	< 10	60			
98DHS-175	217	285	195	< 1	0.64	15	160	< 2	16	0.39	79	< 10	40			
98DHS-176	201	202	2500	< 1	0.49	23	280	32	44	0.40	76	< 10	78			
98DHS-177	201	202	1665	< 1	1.09	21	940	36	174	0.32	90	< 10	60			
98DHS-178	201	202	3460	1	0.66	41	440	34	75	0.41	90	< 10	88			
98DHS-179	201	202	>10000	< 1	0.30	65	680	76	39	0.22	82	< 10	122			
98DHS-180	217	285	1425	< 1	0.35	30	260	18	24	0.37	80	< 10	62			
98DHS-181	217	285	1370	< 1	0.53	23	340	14	34	0.40	82	10	58			

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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
98DHS-182	201 202	< 5	0.6	6.85	1070	2.0	< 2	0.80	< 0.5	16	75	171	3.65	3.23	1.06
98DHS-183	201 202	< 5	< 0.2	8.06	1120	2.5	< 2	0.58	< 0.5	21	72	38	3.93	2.94	0.79
98DHS-184	201 202	< 5	< 0.2	7.66	1150	2.5	< 2	0.78	< 0.5	20	73	32	3.45	2.72	0.79
98DHS-185	201 202	< 5	0.2	7.16	1090	2.0	< 2	0.72	< 0.5	18	62	33	3.48	2.50	0.70
98DHS-186	201 202	< 5	< 0.2	7.69	1170	3.0	< 2	0.65	< 0.5	28	77	37	3.87	2.67	0.81
98DHS-187	201 202	< 5	0.4	4.57	1740	1.5	< 2	1.36	6.5	79	45	403	5.55	1.58	0.94
98DHS-188	201 202	< 5	0.4	4.37	1010	1.5	6	2.43	3.0	48	35	199	4.32	2.18	1.79
98DHS-189	201 202	5	0.2	5.74	880	1.5	< 2	2.13	< 0.5	27	59	94	6.24	3.07	1.67
98DHS-190	201 202	< 5	< 0.2	6.85	880	1.5	< 2	3.68	0.5	14	37	61	3.06	2.04	2.09
98DHS-191	201 202	< 5	< 0.2	3.11	920	0.5	< 2	1.71	1.5	20	34	70	4.01	0.97	0.62
98DHS-192	201 202	< 5	< 0.2	3.72	1310	1.5	< 2	3.78	< 0.5	12	42	117	4.10	1.50	1.09
98DHS-193	201 202	< 10	0.2	5.67	1240	2.0	< 2	1.14	1.0	22	205	177	4.13	2.50	1.08
98DHS-194	201 202	< 5	< 0.2	4.42	940	1.5	< 2	3.06	1.5	35	156	214	4.87	2.02	1.95
98DHS-195	201 202	< 5	0.2	4.98	770	1.5	< 2	6.08	< 0.5	26	95	240	3.07	3.15	2.83
98DHS-196	201 202	< 5	0.2	4.12	560	1.0	< 2	8.74	1.5	22	188	167	3.30	2.36	5.68
98DHS-197	201 202	< 5	0.4	1.76	280	0.5	< 2	15.20	2.5	19	197	358	2.77	0.94	10.20
98DHS-198	201 202	< 5	0.8	2.61	560	0.5	2	13.50	1.5	21	176	575	3.93	1.56	9.31
98DHS-199	201 202	< 5	0.4	1.72	320	0.5	< 2	14.95	1.0	15	33	225	2.50	1.17	10.00
98DHS-200	201 202	< 5	1.6	0.68	100	< 0.5	2	17.00	22.0	18	18	1125	2.25	0.29	11.30
98DHS-201	201 202	5	0.6	1.58	420	0.5	< 2	14.80	12.0	21	19	513	2.75	0.85	9.69
98DHS-202	201 202	10	< 0.2	6.64	1770	1.5	< 2	3.65	0.5	34	69	157	6.01	4.08	3.95
98DHS-203	201 202	5	< 0.2	5.16	1550	1.5	< 2	2.07	< 0.5	33	64	135	5.07	2.98	1.51
98DHS-204	201 202	< 5	0.2	1.41	910	0.5	2	15.60	2.0	12	14	53	2.06	0.70	10.35
98DHS-205	201 202	< 5	< 0.2	5.58	800	1.0	< 2	1.03	< 0.5	6	44	25	2.11	1.59	0.57
98DHS-206	201 202	< 5	0.2	6.79	1120	2.5	< 2	0.38	< 0.5	11	74	37	3.00	3.68	0.88
98DHS-207	201 202	< 5	< 0.2	5.21	940	1.5	< 2	0.29	< 0.5	3	49	14	3.04	3.06	0.53
98DHS-208	201 202	< 5	< 0.2	6.88	710	2.0	< 2	0.58	< 0.5	38	116	283	7.53	3.34	1.37
98DHS-209	201 202	< 5	0.2	4.46	720	0.5	< 2	1.53	< 0.5	11	55	68	3.23	2.14	0.71
98DHS-210	201 202	< 5	< 0.2	6.00	820	1.5	< 2	0.43	< 0.5	16	86	54	5.27	2.94	0.69
98DHS-211	201 202	< 5	< 0.2	6.55	860	2.0	< 2	0.53	< 0.5	17	78	34	3.78	2.79	0.85
98DHS-212	201 202	< 5	< 0.2	6.49	630	1.5	< 2	0.26	< 0.5	7	76	18	3.91	2.79	0.63
98DHS-213	201 202	< 5	< 0.2	6.34	600	1.5	< 2	0.31	< 0.5	6	69	11	3.37	3.06	0.66
98DHS-214	201 202	< 5	< 0.2	6.14	700	1.5	< 2	0.45	< 0.5	10	72	41	3.83	2.69	0.74
98DHS-215	201 202	< 5	0.6	7.54	590	2.0	< 2	0.91	< 0.5	7	91	26	3.02	3.47	0.98
98DHS-216	201 202	< 5	0.6	6.81	780	2.0	< 2	0.58	< 0.5	8	75	19	2.97	3.27	0.89
98DHS-217	201 202	< 5	0.4	6.46	730	1.5	< 2	0.34	< 0.5	10	72	19	3.15	3.22	0.73
98DHS-218	201 202	< 5	1.0	7.54	730	2.5	< 2	0.47	< 0.5	8	82	21	3.81	3.91	0.95
98DHS-219	201 202	< 5	0.8	6.69	700	2.0	< 2	1.40	< 0.5	9	77	20	3.43	3.52	0.91
98DHS-220	201 202	< 5	0.8	6.33	720	2.5	< 2	0.55	< 0.5	21	71	53	3.88	2.80	0.85
98DHS-221	201 202	< 5	1.0	6.94	820	3.0	< 2	0.43	1.5	30	78	109	4.68	3.86	1.13

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Page Number :3-B
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98DHS-182	201	202	1600	< 1	0.72	31	750	124	109	0.36	112	10	598
98DHS-183	201	202	1155	< 1	0.92	22	740	22	106	0.40	122	< 10	154
98DHS-184	201	202	1160	< 1	1.05	22	590	28	142	0.43	110	< 10	222
98DHS-185	201	202	1050	< 1	1.04	18	730	48	149	0.38	100	< 10	220
98DHS-186	201	202	1220	< 1	0.97	24	770	164	126	0.43	124	10	448
98DHS-187	201	202	>10000	< 1	0.53	50	970	262	81	0.20	97	< 10	4010
98DHS-188	201	202	7640	< 1	0.36	42	840	186	61	0.17	88	< 10	1910
98DHS-189	201	202	3330	< 1	0.55	56	900	80	83	0.29	133	< 10	754
98DHS-190	201	202	1610	1	1.85	18	650	60	342	0.30	79	< 10	522
98DHS-191	201	202	>10000	< 1	0.36	30	1250	68	63	0.14	70	< 10	982
98DHS-192	201	202	4910	< 1	0.32	15	1450	12	66	0.15	53	< 10	170
98DHS-193	201	202	3390	< 1	0.66	54	1070	62	107	0.25	94	< 10	450
98DHS-194	201	202	>10000	< 1	0.30	60	1190	68	47	0.21	94	< 10	634
98DHS-195	201	202	4000	< 1	0.47	36	690	52	77	0.26	70	< 10	332
98DHS-196	201	202	4110	< 1	0.22	59	530	232	52	0.20	63	< 10	738
98DHS-197	201	202	2890	< 1	0.06	62	230	50	38	0.10	46	< 10	898
98DHS-198	201	202	2960	< 1	0.09	53	370	92	48	0.15	55	< 10	860
98DHS-199	201	202	2580	< 1	0.07	16	290	126	39	0.08	28	< 10	582
98DHS-200	201	202	2570	< 1	0.10	12	140	80	46	0.03	30	< 10	4940
98DHS-201	201	202	4290	< 1	0.16	14	280	104	50	0.07	36	< 10	3700
98DHS-202	201	202	4100	< 1	0.24	37	810	26	32	0.29	116	< 10	460
98DHS-203	201	202	5050	< 1	0.36	33	1280	44	71	0.23	97	< 10	390
98DHS-204	201	202	2630	< 1	0.11	14	320	380	45	0.07	34	< 10	928
98DHS-205	201	202	265	1	1.32	12	1160	36	212	0.32	89	< 10	80
98DHS-206	201	202	1050	< 1	0.59	20	850	138	89	0.39	116	< 10	128
98DHS-207	201	202	130	1	0.50	7	390	334	98	0.40	79	< 10	64
98DHS-208	201	202	4110	< 1	0.35	58	770	24	43	0.59	405	< 10	102
98DHS-209	201	202	2840	< 1	0.58	19	1360	14	97	0.23	98	< 10	140
98DHS-210	201	202	4770	< 1	0.49	27	1160	38	68	0.32	142	< 10	124
98DHS-211	201	202	1305	1	0.88	28	760	90	129	0.45	140	< 10	130
98DHS-212	201	202	315	< 1	0.54	17	500	20	74	0.49	166	< 10	102
98DHS-213	201	202	175	< 1	0.44	16	430	32	63	0.42	128	< 10	98
98DHS-214	201	202	345	< 1	0.72	28	680	36	101	0.42	138	< 10	98
98DHS-215	201	202	400	< 1	0.34	26	860	104	50	0.26	145	< 10	190
98DHS-216	201	202	665	< 1	0.40	20	640	48	59	0.32	101	< 10	260
98DHS-217	201	202	600	< 1	0.56	20	540	78	81	0.41	122	< 10	164
98DHS-218	201	202	425	< 1	0.27	18	430	108	41	0.38	101	< 10	182
98DHS-219	201	202	420	< 1	0.38	23	680	76	63	0.32	80	< 10	252
98DHS-220	201	202	1520	< 1	0.64	32	1220	108	100	0.40	129	< 10	164
98DHS-221	201	202	1660	< 1	0.25	40	810	320	37	0.45	140	< 10	370

CERTIFICATION:

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Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Page Number :4-A
Total Pages :9
Certificate Date: 13-AUG-98
Invoice No. :19826556
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CERTIFICATE OF ANALYSIS A9826556

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
98DHS-222	201	202	< 5	0.4	8.48	930	3.0	< 2	0.40	< 0.5	18	79	35	4.37	4.20	0.94
98DHS-223	201	202	< 5	0.6	8.66	700	2.5	< 2	0.99	< 0.5	26	71	60	3.91	3.07	0.96
98DHS-224	201	202	< 5	0.6	8.06	670	3.0	< 2	0.63	< 0.5	27	71	52	3.52	3.17	0.75
98DHS-225	201	202	< 5	0.2	7.17	680	2.0	< 2	0.83	< 0.5	21	73	38	3.85	2.00	0.83
98DHS-226	201	202	< 5	0.6	7.00	730	2.5	< 2	0.75	< 0.5	21	68	44	3.58	2.17	0.74
98DHS-227	201	202	< 5	1.0	7.70	790	3.5	< 2	0.63	< 0.5	24	72	46	4.46	2.56	0.80
98DHS-228	201	202	< 5	0.6	7.35	670	2.0	< 2	1.04	< 0.5	23	60	49	3.66	2.15	0.84
98DHS-229	201	202	< 5	0.6	6.48	630	1.5	< 2	1.06	< 0.5	16	74	33	3.41	1.71	0.87
98DHS-230	201	202	< 5	0.8	6.77	630	2.0	< 2	1.13	< 0.5	25	85	44	4.20	1.73	0.91
98DHS-231	201	202	< 5	0.6	7.00	750	2.0	< 2	0.91	< 0.5	20	85	36	4.25	1.77	0.93
98DHS-232	201	202	< 5	0.6	6.90	930	2.0	< 2	0.78	< 0.5	15	76	31	3.60	2.29	0.88
98DHS-233	201	202	< 5	0.6	8.00	590	2.5	< 2	0.73	< 0.5	25	74	47	4.49	2.97	0.68
98DHS-234	201	202	< 5	0.2	8.26	530	2.5	< 2	0.34	< 0.5	28	65	38	3.29	3.07	0.61
98DHS-235	201	202	< 5	0.4	8.55	590	3.0	< 2	0.37	< 0.5	34	73	44	4.08	3.00	0.76
98DHS-236	201	202	< 5	0.8	9.19	430	3.5	< 2	0.08	< 0.5	17	65	53	3.07	3.41	0.64
98DHS-237	201	202	< 5	0.4	5.94	760	2.0	< 2	0.87	< 0.5	30	65	210	5.19	2.89	1.26
98DHS-238	201	202	< 5	0.6	6.76	650	2.0	< 2	0.45	< 0.5	20	70	44	4.44	2.12	0.70
98DHS-239	201	202	< 5	0.8	5.65	800	1.0	< 2	0.90	< 0.5	21	52	159	4.16	2.15	0.95
98DHS-240	201	202	< 5	0.2	7.83	680	3.5	< 2	0.70	< 0.5	35	83	80	4.67	2.42	0.93
98DHS-241	201	202	< 5	< 0.2	9.70	550	3.5	< 2	0.30	< 0.5	37	73	38	4.14	3.94	0.65
98DHS-242	217	285	< 5	0.2	10.40	500	3.5	< 2	0.08	< 0.5	17	90	31	2.93	4.65	0.64
98DHS-243	201	202	< 5	1.0	8.97	610	6.0	< 2	0.54	< 0.5	68	71	180	5.85	3.64	0.80
98DHS-244	201	202	< 5	0.2	9.55	640	4.5	< 2	0.42	< 0.5	41	85	102	3.82	3.66	0.79
98DHS-245	201	202	< 5	0.2	8.99	590	4.0	< 2	0.41	< 0.5	33	72	82	4.22	3.29	0.72
98DHS-246	201	202	< 5	< 0.2	5.56	830	1.5	< 2	2.43	< 0.5	20	45	235	4.16	4.35	1.97
98DHS-247	201	202	< 5	< 0.2	1.29	730	< 0.5	2	7.46	< 0.5	14	10	123	4.29	0.40	4.68
98DHS-248	201	202	< 5	< 0.2	4.95	890	1.5	< 2	1.53	< 0.5	34	34	205	7.99	1.28	1.98
98DHS-249	201	202	< 5	< 0.2	1.17	510	0.5	< 2	5.05	0.5	21	10	17	5.36	0.38	3.11
98DHS-250	201	202	< 5	< 0.2	4.56	710	2.0	< 2	1.40	0.5	22	40	73	4.97	1.74	1.02
98DHS-251	201	202	< 5	< 0.2	5.90	1010	2.0	< 2	0.62	< 0.5	15	62	33	3.88	4.29	1.27
98DHS-252	201	202	5	< 0.2	3.25	730	1.0	< 2	4.20	0.5	16	29	120	3.57	1.88	2.97
98DHS-253	201	202	< 5	< 0.2	5.92	840	2.0	< 2	0.62	< 0.5	21	118	134	4.80	3.16	1.23
98DHS-254	201	202	< 5	< 0.2	1.32	460	< 0.5	4	8.89	< 0.5	20	9	690	2.03	0.77	5.67
98DHS-255	201	202	< 5	< 0.2	3.77	1210	1.0	< 2	1.52	< 0.5	15	32	115	3.69	1.94	0.64
98DHS-256	201	202	< 5	0.2	4.92	1040	1.0	< 2	4.16	< 0.5	13	46	158	2.50	4.32	2.28
98DHS-257	201	202	< 5	0.2	6.34	480	2.5	16	0.32	6.0	435	67	1250	6.27	2.35	2.10
98DHS-258	201	202	< 5	0.2	5.46	760	1.5	< 2	4.25	< 0.5	16	51	70	3.46	2.99	2.68
98DHS-259	201	202	< 5	1.2	7.04	720	2.0	< 2	1.16	< 0.5	33	91	206	5.62	3.73	1.68
98DHS-260	201	202	10	0.4	6.91	930	2.0	< 2	0.86	< 0.5	29	79	347	6.10	2.94	1.33
98DHS-261	201	202	< 5	< 0.2	6.15	410	1.0	< 2	1.26	< 0.5	54	69	323	6.47	1.12	2.56

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To: EQUITY ENGINEERING LTD.

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VANCOUVER, BC
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Project : BLK98-02
Comments: ATTN: MURRAY JONES

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SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
98DHS-222	201	202	1245	< 1	0.60	27	550	110	82	0.45	107	< 10	206			
98DHS-223	201	202	2290	1	1.38	28	720	40	170	0.42	113	< 10	76			
98DHS-224	201	202	1890	1	0.96	26	490	72	105	0.40	98	10	60			
98DHS-225	201	202	1770	< 1	1.19	27	1010	142	150	0.43	127	< 10	84			
98DHS-226	201	202	1360	< 1	1.00	29	910	108	123	0.38	108	< 10	94			
98DHS-227	201	202	3030	< 1	0.96	28	640	1645	116	0.39	108	< 10	230			
98DHS-228	201	202	2220	< 1	1.32	22	1300	90	190	0.37	104	< 10	116			
98DHS-229	201	202	915	1	1.20	25	790	30	173	0.46	122	< 10	74			
98DHS-230	201	202	1460	< 1	1.22	28	1180	1025	175	0.55	134	< 10	142			
98DHS-231	201	202	1355	< 1	1.16	30	1140	36	160	0.51	142	< 10	90			
98DHS-232	201	202	880	< 1	1.05	24	980	42	122	0.42	113	< 10	70			
98DHS-233	201	202	2320	< 1	1.03	27	870	330	155	0.37	105	< 10	382			
98DHS-234	201	202	1960	< 1	0.81	20	650	76	73	0.36	90	< 10	60			
98DHS-235	201	202	2430	< 1	0.78	23	790	350	80	0.39	106	10	174			
98DHS-236	201	202	695	< 1	0.62	20	220	62	20	0.33	73	< 10	76			
98DHS-237	201	202	5560	< 1	0.53	34	1300	20	50	0.26	169	< 10	108			
98DHS-238	201	202	1195	1	0.84	20	1040	58	91	0.34	119	< 10	102			
98DHS-239	201	202	1745	< 1	0.78	22	1850	32	112	0.29	138	10	90			
98DHS-240	201	202	1845	< 1	1.00	29	1150	66	130	0.45	126	< 10	182			
98DHS-241	201	202	2930	< 1	0.81	22	880	50	60	0.38	95	< 10	48			
98DHS-242	217	285	650	< 1	0.65	19	170	110	21	0.38	90	< 10	92			
98DHS-243	201	202	3880	< 1	0.82	43	830	288	94	0.35	97	< 10	136			
98DHS-244	201	202	1320	< 1	0.88	25	720	204	83	0.41	107	< 10	192			
98DHS-245	201	202	2770	< 1	0.83	22	1030	80	76	0.36	95	< 10	106			
98DHS-246	201	202	4690	< 1	0.26	19	1060	14	36	0.28	140	< 10	64			
98DHS-247	201	202	>10000	< 1	0.14	11	580	10	39	0.05	39	< 10	62			
98DHS-248	201	202	9790	< 1	0.41	28	1130	22	65	0.23	176	< 10	114			
98DHS-249	201	202	>10000	< 1	0.13	17	640	12	39	0.05	42	< 10	188			
98DHS-250	201	202	8400	< 1	0.59	23	1330	24	101	0.18	79	< 10	146			
98DHS-251	201	202	2800	< 1	0.28	22	650	28	46	0.28	85	< 10	170			
98DHS-252	201	202	7020	< 1	0.23	14	770	12	46	0.15	60	< 10	74			
98DHS-253	201	202	6780	< 1	0.38	33	1160	16	53	0.30	109	< 10	74			
98DHS-254	201	202	6830	< 1	0.14	6	550	34	47	0.05	28	< 10	90			
98DHS-255	201	202	8820	< 1	0.47	15	1210	26	84	0.18	60	< 10	144			
98DHS-256	201	202	5780	< 1	0.28	11	700	16	48	0.22	62	< 10	50			
98DHS-257	201	202	5130	< 1	0.32	93	1130	1560	37	0.31	133	< 10	2000			
98DHS-258	201	202	1530	< 1	0.27	19	370	162	60	0.33	85	< 10	184			
98DHS-259	201	202	1820	< 1	0.60	57	840	152	83	0.73	294	< 10	268			
98DHS-260	201	202	3190	< 1	0.81	34	1160	28	97	0.60	387	< 10	114			
98DHS-261	201	202	2420	< 1	0.89	52	1200	62	194	0.39	237	< 10	218			

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98DHS-262	201	202	10	1.2	5.26	1270	1.5	< 2	0.73	3.0	127	69	698	10.50	2.34	0.93
98DHS-263	201	202	< 5	< 0.2	4.37	690	0.5	< 2	1.80	< 0.5	17	43	219	2.48	1.35	0.72
98DHS-264	201	202	< 5	0.4	5.24	1000	1.5	< 2	1.35	< 0.5	18	41	150	4.28	1.48	0.79
98DHS-265	201	202	10	1.4	5.83	1380	1.5	< 2	1.09	1.5	71	66	552	5.29	2.27	0.99
98DHS-266	201	202	< 5	< 0.2	6.24	1320	1.5	< 2	1.07	< 0.5	30	92	132	4.57	2.24	1.32
98DHS-267	201	202	< 5	0.2	3.12	950	1.5	< 2	1.98	< 0.5	29	37	185	3.32	0.99	0.65
98DHS-268	201	202	< 5	< 0.2	6.39	930	2.0	< 2	0.72	< 0.5	24	75	73	4.59	1.84	0.99
98DHS-269	201	202	< 5	< 0.2	4.57	870	0.5	< 2	1.22	< 0.5	25	58	52	3.74	1.32	0.75
98DHS-270	201	202	< 5	< 0.2	4.05	1380	0.5	< 2	4.59	< 0.5	26	43	146	3.63	2.80	2.58
98DHS-271	201	202	< 5	< 0.2	4.02	890	1.0	< 2	2.08	< 0.5	17	37	45	3.55	1.67	0.92
98DHS-272	201	202	< 5	< 0.2	2.32	640	0.5	< 2	2.54	< 0.5	10	24	74	1.89	0.72	0.76
98DHS-273	201	202	< 5	< 0.2	6.04	770	1.0	< 2	0.84	< 0.5	28	79	241	3.65	2.56	0.93
98DHS-274	201	202	< 5	< 0.2	5.96	960	1.5	< 2	1.18	< 0.5	16	61	66	3.42	1.79	0.85
98DHS-275	201	202	< 5	0.2	6.47	1150	0.5	< 2	0.78	< 0.5	41	148	30	5.57	1.63	2.11
98MJS-001	201	202	< 5	< 0.2	4.96	840	1.5	< 2	1.53	< 0.5	20	41	257	4.09	1.30	0.82
98MJS-002	201	202	< 5	< 0.2	5.39	990	1.0	< 2	1.21	< 0.5	18	59	27	3.28	1.10	0.81
98MJS-003	201	202	< 5	< 0.2	5.60	990	1.5	< 2	1.62	< 0.5	23	58	65	3.55	1.14	0.96
98MJS-004	201	202	< 5	< 0.2	6.20	1140	2.0	< 2	1.24	< 0.5	19	65	49	4.58	1.57	1.03
98MJS-005	201	202	< 5	0.2	5.69	1130	1.5	< 2	1.34	< 0.5	24	68	30	5.10	1.47	0.83
98MJS-006	201	202	< 5	< 0.2	5.38	910	2.0	< 2	0.92	< 0.5	25	61	27	4.58	1.39	0.83
98MJS-007	201	202	< 5	0.4	5.74	730	2.0	< 2	1.14	< 0.5	17	67	219	4.36	2.20	1.03
98MJS-008	201	202	< 5	< 0.2	6.75	990	2.0	< 2	0.80	< 0.5	25	81	44	4.23	2.34	1.18
98MJS-009	201	202	< 5	< 0.2	6.30	750	1.5	< 2	0.80	< 0.5	21	60	12	4.43	1.69	0.65
98MJS-010	201	202	< 5	< 0.2	6.72	860	2.0	< 2	1.13	< 0.5	16	73	249	4.36	1.71	1.01
98MJS-011	201	202	< 5	< 0.2	5.49	1180	2.5	< 2	1.41	< 0.5	24	58	41	3.95	1.30	0.85
98MJS-012	201	202	10	0.2	6.60	1070	2.0	< 2	1.32	< 0.5	16	63	36	3.88	1.64	0.89
98MJS-013	201	202	< 5	< 0.2	5.70	790	1.5	< 2	0.86	< 0.5	16	67	11	3.44	1.41	0.80
98MJS-014	201	202	< 5	< 0.2	5.78	1150	2.0	< 2	1.26	< 0.5	18	64	17	3.41	1.21	0.90
98MJS-015	201	202	< 5	< 0.2	6.25	890	2.5	< 2	1.00	< 0.5	19	76	21	3.90	1.56	0.91
98MJS-016	201	202	< 5	0.2	5.61	1170	2.0	< 2	1.43	< 0.5	17	56	14	3.10	1.26	0.86
98MJS-017	201	202	< 5	0.2	6.63	1140	2.0	< 2	1.08	< 0.5	22	64	16	3.85	1.86	0.84
98MJS-018	201	202	< 5	0.2	6.65	790	1.0	< 2	1.38	< 0.5	17	25	35	3.11	1.91	0.61
98MJS-019	201	202	< 5	0.2	5.70	790	1.5	< 2	0.84	< 0.5	27	61	37	4.78	1.58	0.78
98MJS-020	201	202	< 5	0.6	6.52	780	1.0	< 2	0.75	< 0.5	16	53	24	3.88	1.77	0.64
98TSS-024	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
98TSS-025A	201	202	< 10	0.2	6.53	2660	1.5	< 2	0.57	0.5	73	1380	167	6.71	2.28	6.88
98TSS-025B	201	202	< 5	0.2	0.82	160	< 0.5	6	17.55	< 0.5	15	21	175	1.62	0.58	11.75
98TSS-026	201	202	20	0.6	5.88	2430	2.0	< 2	0.86	< 0.5	31	135	99	6.64	3.25	1.84
98TSS-027	201	202	< 5	0.4	6.67	2140	1.5	< 2	0.63	< 0.5	48	832	157	7.44	2.48	4.09
98TSS-028	201	202	< 5	0.6	7.05	1460	1.5	< 2	0.78	< 0.5	36	330	168	6.02	4.54	1.96

CERTIFICATION:

Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Certificate Date: 13-AUG-98
Invoice No. :19826556
P.O. Number :
Account :EIA

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CERTIFICATE OF ANALYSIS A9826556

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
98DHS-262	201	202	>10000	< 1	0.53	102	640	298	76	0.22	120	< 10	1030			
98DHS-263	201	202	2280	< 1	0.89	19	1180	26	163	0.21	72	< 10	94			
98DHS-264	201	202	5620	< 1	1.07	22	1660	58	172	0.23	76	< 10	220			
98DHS-265	201	202	5110	1	0.71	59	840	4300	101	0.29	111	< 10	734			
98DHS-266	201	202	2530	< 1	0.99	43	690	116	138	0.48	222	< 10	92			
98DHS-267	201	202	3900	3	0.38	20	1940	18	69	0.17	65	< 10	56			
98DHS-268	201	202	2490	< 1	0.95	23	1300	18	133	0.36	148	< 10	72			
98DHS-269	201	202	5020	1	0.82	23	1590	26	128	0.28	90	< 10	70			
98DHS-270	201	202	6490	< 1	0.46	28	1610	22	83	0.22	67	< 10	64			
98DHS-271	201	202	5640	2	0.54	19	1990	22	74	0.20	74	< 10	122			
98DHS-272	201	202	2760	2	0.26	14	1290	26	53	0.10	48	< 10	86			
98DHS-273	201	202	1300	< 1	1.24	36	1220	38	128	0.46	177	< 10	60			
98DHS-274	201	202	1460	< 1	1.04	21	1990	16	141	0.36	119	< 10	60			
98DHS-275	201	202	1385	< 1	1.55	51	910	134	127	0.44	200	< 10	90			
98MJS-001	201	202	5240	< 1	1.06	24	1980	14	146	0.26	85	< 10	82			
98MJS-002	201	202	1600	< 1	1.25	22	1570	14	155	0.35	110	< 10	64			
98MJS-003	201	202	3170	< 1	1.12	31	1550	14	170	0.31	97	< 10	80			
98MJS-004	201	202	3480	< 1	1.18	31	2010	12	145	0.34	103	< 10	72			
98MJS-005	201	202	2860	< 1	0.99	25	980	14	145	0.39	121	< 10	54			
98MJS-006	201	202	3250	< 1	0.92	28	1380	14	135	0.36	106	< 10	60			
98MJS-007	201	202	3370	< 1	0.98	29	940	16	151	0.38	111	< 10	60			
98MJS-008	201	202	2280	< 1	0.87	42	1120	46	115	0.44	116	< 10	62			
98MJS-009	201	202	3820	< 1	1.20	22	1320	16	149	0.38	113	< 10	52			
98MJS-010	201	202	1850	< 1	1.23	30	1840	14	160	0.37	120	< 10	80			
98MJS-011	201	202	5200	< 1	1.10	27	2050	16	170	0.33	102	< 10	66			
98MJS-012	201	202	2230	< 1	1.41	28	1810	22	206	0.36	111	10	74			
98MJS-013	201	202	1395	< 1	1.21	26	980	12	163	0.40	118	10	58			
98MJS-014	201	202	2370	< 1	1.15	28	1610	18	168	0.37	113	< 10	68			
98MJS-015	201	202	2790	< 1	1.19	38	1630	14	159	0.43	118	< 10	76			
98MJS-016	201	202	2860	< 1	1.14	26	1480	14	171	0.32	100	< 10	66			
98MJS-017	201	202	2730	< 1	1.29	26	1150	16	190	0.38	117	< 10	74			
98MJS-018	201	202	2790	< 1	2.08	13	860	26	375	0.28	75	< 10	106			
98MJS-019	201	202	2480	< 1	1.07	27	910	28	161	0.34	127	< 10	92			
98MJS-020	201	202	1780	< 1	1.41	16	610	20	223	0.40	142	< 10	90			
98TSS-024	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd			
98TSS-025A	201	202	2700	< 1	0.43	462	440	68	35	0.41	223	< 10	336			
98TSS-025B	201	202	2430	< 1	0.05	14	200	28	33	0.03	31	< 10	404			
98TSS-026	201	202	6520	2	0.40	63	1060	28	60	0.26	113	< 10	148			
98TSS-027	201	202	4840	4	0.60	253	850	24	64	0.34	225	< 10	246			
98TSS-028	201	202	3790	< 1	0.43	106	620	24	38	0.25	178	< 10	178			

CERTIFICATION:

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Analytical Chemists * Geochemists * Registered Assayers
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Page Number :6-A
Total Pages :9
Certificate Date: 13-AUG-98
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CERTIFICATE OF ANALYSIS A9826556

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
98TSS-029	201	202	15	0.4	6.46	2010	1.5	< 2	0.55	2.0	30	196	134	5.90	4.88	1.41
98TSS-030	201	202	< 10	0.6	5.99	2010	1.5	< 2	1.85	0.5	64	1365	156	7.85	2.37	5.10
98TSS-031	201	202	< 5	0.2	6.56	1040	1.5	< 2	0.78	< 0.5	21	90	67	4.56	3.03	1.27
98TSS-032	217	285	< 5	0.4	7.89	950	1.5	< 2	0.24	< 0.5	23	133	44	5.00	4.95	1.26
98TSS-033	201	202	< 5	0.4	6.16	1340	2.0	< 2	0.64	< 0.5	43	66	224	4.58	4.14	0.71
98TSS-034	201	202	< 5	0.4	7.87	3630	2.5	< 2	0.57	< 0.5	25	76	109	5.01	4.02	1.77
98TSS-035	201	202	210	0.8	4.98	1110	1.5	10	0.69	< 0.5	2300	55	3670	6.30	1.25	1.18
98TSS-036	201	202	< 5	0.8	6.73	1290	2.0	< 2	0.58	< 0.5	40	67	116	4.82	3.09	1.16
98TSS-037	201	202	< 5	0.6	7.59	4040	2.5	< 2	0.53	< 0.5	31	144	215	5.92	3.41	2.29
98TSS-038	201	202	5	0.2	6.89	1140	2.5	< 2	0.67	< 0.5	21	74	48	4.90	3.21	0.95
98TSS-039	201	202	< 5	0.2	7.44	1670	2.5	< 2	0.80	< 0.5	25	78	100	7.06	3.65	1.21
98TSS-040	201	202	10	0.4	5.92	1100	2.0	< 2	0.71	0.5	41	58	207	6.50	3.15	0.77
98TSS-041	201	202	< 5	0.2	5.87	1020	1.5	< 2	0.83	< 0.5	34	55	123	4.77	3.11	0.84
98TSS-042	201	202	< 5	0.6	6.40	1830	1.5	< 2	0.60	0.5	35	61	182	5.25	4.15	1.16
98TSS-043	201	202	10	0.6	6.11	1240	2.0	< 2	2.40	0.5	45	66	304	6.14	3.19	2.22
98TSS-044	201	202	< 5	1.2	5.76	1000	1.5	< 2	1.83	0.5	40	66	979	5.32	3.55	1.81
98TSS-045	201	202	10	1.0	5.60	1570	1.5	< 2	1.93	< 0.5	58	202	630	5.85	2.89	2.30
98TSS-046	217	285	5	0.6	5.88	1080	1.5	< 2	0.14	< 0.5	16	96	260	2.26	4.00	0.88
98TSS-047	201	202	< 5	0.4	5.88	1740	1.5	< 2	0.79	< 0.5	20	64	85	4.17	3.90	0.84
98TSS-048	201	202	5	0.6	5.56	2710	1.5	< 2	0.69	0.5	35	65	261	5.66	3.50	0.75
98TSS-049	201	202	15	1.8	5.83	1830	2.0	< 2	0.83	0.5	59	70	726	6.49	2.82	1.00
98TSS-050	217	285	10	0.8	6.01	1200	2.0	< 2	0.31	< 0.5	35	80	214	3.19	3.87	1.04
98TSS-051	201	202	10	2.0	6.36	1620	2.0	< 2	1.70	1.5	69	67	897	5.71	3.69	1.59
98TSS-052	201	202	< 5	0.2	6.56	1420	1.5	< 2	2.97	< 0.5	35	290	223	4.22	3.82	2.70
98TSS-053	217	285	< 5	0.8	7.11	1650	2.0	< 2	1.35	< 0.5	22	192	424	3.14	4.60	2.21
98TSS-054	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
98TSS-055	201	202	10	0.8	7.57	1660	3.0	< 2	0.68	< 0.5	55	69	396	6.15	3.36	0.85
98TSS-056	201	202	< 5	0.8	8.00	1570	2.5	< 2	0.57	0.5	76	56	331	5.92	3.81	0.70
98TSS-057	201	202	10	0.2	6.87	3100	1.5	< 2	1.91	< 0.5	37	98	382	4.24	4.42	2.07
98TSS-058	217	285	< 5	0.2	10.75	1460	4.0	< 2	0.15	< 0.5	18	82	44	2.89	5.38	0.67
98TSS-059	201	202	10	0.4	6.28	1160	1.5	< 2	2.15	0.5	34	96	424	4.71	4.27	2.21
98TSS-060	217	285	< 5	< 0.2	10.65	1210	3.0	< 2	0.12	< 0.5	10	79	34	3.28	4.63	0.69
98TSS-061	217	285	< 5	0.2	10.35	1580	3.0	< 2	0.11	< 0.5	13	91	42	2.44	5.39	0.61
98TSS-062	217	285	< 5	0.2	10.70	1740	3.0	< 2	0.24	< 0.5	16	95	68	2.69	5.58	0.73
98TSS-063	217	285	< 5	0.2	10.45	1830	3.0	< 2	0.12	< 0.5	15	87	37	2.67	5.22	0.61
98TSS-064	201	202	< 5	0.4	9.40	2840	3.5	< 2	0.38	0.5	36	80	106	4.00	4.11	0.78
98TSS-065	217	285	< 5	0.4	11.70	930	3.5	< 2	0.10	< 0.5	23	79	50	3.46	5.17	0.67
98TSS-066	217	285	< 5	0.2	10.35	910	3.0	< 2	0.08	< 0.5	10	68	20	2.47	4.79	0.49
98TSS-067	217	285	< 5	0.6	9.78	1140	3.0	< 2	0.11	< 0.5	9	70	36	2.08	5.12	0.34
98TSS-068	201	202	< 5	0.2	9.29	1610	2.5	< 2	0.73	< 0.5	18	87	98	3.71	5.21	1.22

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Certificate Date: 13-AUG-98
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CERTIFICATE OF ANALYSIS A9826556

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
98TSS-029	201 202	4140	< 1	0.40	83	1190	30	48	0.27	113	< 10	382
98TSS-030	201 202	3880	< 1	0.51	389	620	22	43	0.43	262	< 10	312
98TSS-031	201 202	1870	< 1	0.98	42	870	18	135	0.38	129	< 10	156
98TSS-032	217 285	1405	< 1	0.43	45	750	26	35	0.38	143	< 10	76
98TSS-033	201 202	5390	< 1	0.37	35	2310	20	48	0.17	92	< 10	144
98TSS-034	201 202	2530	< 1	0.58	45	820	10	57	0.32	106	< 10	90
98TSS-035	201 202	7530	< 1	0.39	93	680	20	54	0.17	106	< 10	120
98TSS-036	201 202	3470	< 1	0.58	40	1070	18	58	0.29	99	< 10	84
98TSS-037	201 202	4380	< 1	0.77	59	780	16	83	0.38	148	< 10	150
98TSS-038	201 202	2950	< 1	0.58	36	1200	16	74	0.30	108	< 10	96
98TSS-039	201 202	2900	< 1	0.57	50	1040	28	83	0.33	108	10	126
98TSS-040	201 202	7650	< 1	0.41	37	1480	28	56	0.21	101	< 10	114
98TSS-041	201 202	4340	< 1	0.49	28	1320	44	70	0.22	93	< 10	164
98TSS-042	201 202	3630	< 1	0.41	40	1270	62	47	0.22	92	< 10	158
98TSS-043	201 202	6130	< 1	0.40	48	1280	76	39	0.20	107	10	274
98TSS-044	201 202	7170	< 1	0.24	37	1060	144	31	0.19	95	< 10	290
98TSS-045	201 202	8110	< 1	0.39	61	880	220	40	0.23	153	10	356
98TSS-046	217 285	1335	< 1	0.24	26	450	20	22	0.20	111	< 10	60
98TSS-047	201 202	4690	< 1	0.34	20	1600	10	62	0.14	75	< 10	102
98TSS-048	201 202	>10000	< 1	0.41	36	1240	84	57	0.16	88	< 10	344
98TSS-049	201 202	8060	< 1	0.44	46	1460	112	68	0.18	108	< 10	392
98TSS-050	217 285	2660	< 1	0.17	39	690	24	29	0.16	107	< 10	86
98TSS-051	201 202	8150	3	0.38	51	1320	96	64	0.16	131	< 10	386
98TSS-052	201 202	4830	< 1	0.42	73	990	20	36	0.21	165	< 10	110
98TSS-053	217 285	1080	< 1	0.18	59	550	16	32	0.30	156	< 10	68
98TSS-054	-- --	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
98TSS-055	201 202	5740	< 1	0.57	34	1340	132	67	0.21	108	< 10	202
98TSS-056	201 202	9340	< 1	0.64	36	970	200	49	0.15	91	< 10	196
98TSS-057	201 202	3910	< 1	0.23	38	930	46	39	0.25	107	< 10	158
98TSS-058	217 285	940	< 1	0.43	22	260	16	16	0.31	96	< 10	52
98TSS-059	201 202	4660	< 1	0.27	38	890	82	37	0.21	101	< 10	258
98TSS-060	217 285	535	< 1	0.56	23	190	10	21	0.33	90	< 10	34
98TSS-061	217 285	435	< 1	0.37	23	180	14	21	0.36	85	< 10	52
98TSS-062	217 285	1005	< 1	0.33	25	260	18	22	0.36	98	< 10	52
98TSS-063	217 285	735	< 1	0.41	23	200	10	20	0.34	89	< 10	44
98TSS-064	201 202	2870	< 1	0.59	30	450	46	65	0.38	100	< 10	76
98TSS-065	217 285	580	< 1	0.58	26	170	10	17	0.35	98	< 10	40
98TSS-066	217 285	635	< 1	0.63	18	140	8	14	0.31	80	< 10	38
98TSS-067	217 285	2410	< 1	0.30	16	140	12	20	0.27	66	< 10	50
98TSS-068	201 202	2380	< 1	0.24	30	440	20	20	0.34	100	< 10	66

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98TSS-069	201 202	< 5	0.6	5.20	1720	2.0	2	1.54	0.5	34	49	371	5.18	2.35	0.93
98TSS-070	201 202	10	0.4	7.18	1490	2.5	< 2	0.89	< 0.5	30	66	187	5.15	4.41	1.39
98TSS-071	217 285	< 5	0.2	6.94	2460	3.0	< 2	1.89	0.5	12	68	112	2.61	4.92	2.08
98TSS-072	201 202	< 5	0.6	1.47	430	0.5	< 2	15.55	1.0	12	13	130	1.51	0.83	10.40
98TSS-073	217 285	< 5	0.8	1.49	210	< 0.5	4	16.25	1.5	6	15	104	1.31	1.49	10.70
98TSS-073A	201 202	< 5	0.6	0.57	200	< 0.5	< 2	17.25	3.5	11	5	173	1.47	0.27	11.35
98TSS-074	201 202	< 5	0.8	1.60	470	< 0.5	< 2	14.75	1.5	11	16	225	2.10	1.33	9.68
98TSS-075	201 202	< 5	0.6	2.52	950	0.5	2	13.50	2.5	14	25	132	2.02	2.17	8.47
98TSS-076	201 202	< 5	1.2	3.24	730	0.5	< 2	11.25	5.5	17	30	201	2.70	2.38	7.54
98TSS-077	201 202	< 5	0.8	3.90	2380	1.0	< 2	8.80	3.0	14	37	131	2.16	2.78	6.39
98TSS-078	201 202	< 5	1.0	4.55	1690	1.5	< 2	7.73	2.0	18	42	101	2.30	3.82	5.24
98TSS-079	201 202	< 5	0.6	5.59	920	2.0	< 2	5.49	< 0.5	17	51	96	2.50	4.19	3.95
98TSS-080	201 202	< 5	0.8	5.85	1020	2.0	< 2	5.05	< 0.5	16	52	66	2.61	4.02	3.95
98TSS-081	201 202	< 5	0.6	5.56	4520	2.0	< 2	4.99	0.5	15	48	69	2.61	3.97	3.76
98TSS-082	201 202	< 5	0.2	5.20	1300	2.0	< 2	6.19	0.5	18	45	53	2.64	3.88	4.60
98TSS-083	201 202	< 5	0.6	3.80	2750	0.5	< 2	10.70	1.5	23	48	123	3.09	2.73	6.97
98TSS-084	217 285	< 5	0.2	3.95	930	0.5	< 2	9.71	0.5	13	33	75	2.15	3.12	6.81
98TSS-085	201 202	< 5	0.4	2.74	470	0.5	< 2	12.25	< 0.5	13	27	71	2.33	2.25	8.13
98TSS-086	201 202	< 5	0.6	0.85	210	< 0.5	2	17.40	0.5	10	8	76	1.17	0.59	11.60
98TSS-087	201 202	< 5	1.2	0.88	320	< 0.5	10	16.45	< 0.5	14	9	293	2.89	0.43	10.75
98TSS-088	201 202	< 5	0.6	0.95	740	< 0.5	2	16.70	< 0.5	11	8	167	1.15	0.52	10.85
98TSS-089	201 202	< 5	0.6	1.88	890	0.5	2	13.40	< 0.5	14	18	121	1.70	1.27	8.82
98TSS-090	201 202	< 5	0.8	3.21	2570	0.5	4	10.75	2.0	14	32	46	2.10	2.28	7.11
98TSS-091	201 202	< 5	0.6	0.95	650	< 0.5	6	17.20	8.5	9	8	104	0.98	0.71	11.40
98TSS-092	201 202	< 5	0.8	1.46	690	< 0.5	< 2	15.60	12.5	12	15	235	1.72	0.97	10.55
98TSS-093	201 202	< 5	0.6	0.98	270	< 0.5	< 2	16.60	9.0	14	9	98	1.66	0.75	11.05
98TSS-094	201 202	< 5	0.4	1.90	4440	< 0.5	< 2	14.05	11.5	13	17	109	1.82	1.39	9.30
98TSS-095	201 202	< 5	< 0.2	2.66	2500	0.5	< 2	10.25	2.5	10	25	56	1.51	1.86	6.58
98TSS-096	201 202	< 5	< 0.2	2.41	2000	0.5	< 2	12.30	4.0	14	22	73	1.77	1.20	8.16
98TSS-097	201 202	< 5	< 0.2	2.66	1200	0.5	< 2	11.45	4.0	13	24	79	1.75	0.85	7.50
98TSS-098	201 202	< 5	< 0.2	3.40	640	0.5	< 2	9.90	2.0	19	42	89	1.98	2.48	6.61
98TSS-099	201 202	< 5	< 0.2	2.01	360	< 0.5	< 2	14.95	1.5	13	21	98	1.83	0.82	10.05
98TSS-100	201 202	< 5	0.2	1.51	230	< 0.5	< 2	15.50	2.0	11	15	61	1.32	0.83	10.40
98TSS-101	201 202	10	< 0.2	1.28	220	< 0.5	2	16.30	2.5	9	13	98	1.17	0.75	10.90
98TSS-102	201 202	< 5	< 0.2	0.94	300	< 0.5	< 2	16.45	2.0	8	11	54	1.06	0.44	11.00
98TSS-103	201 202	< 5	< 0.2	0.80	200	< 0.5	< 2	17.15	2.5	8	8	51	0.92	0.33	11.45
98TSS-104	201 202	< 5	< 0.2	0.78	190	< 0.5	2	16.85	6.5	9	8	97	0.93	0.31	11.25
98TSS-105	201 202	< 5	< 0.2	0.52	80	< 0.5	4	18.35	6.5	10	4	130	0.74	0.25	12.15
98TSS-106	201 202	< 5	0.2	3.13	1060	0.5	2	10.35	9.0	18	34	113	2.05	2.21	6.71
98TSS-107	201 202	< 5	< 0.2	2.90	570	0.5	2	12.05	5.0	15	30	121	1.64	1.05	7.93

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Page Number :7-B
Total Pages :9
Certificate Date: 13-AUG-98
Invoice No. :I9826556
P.O. Number :
Account :EIA

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CERTIFICATE OF ANALYSIS A9826556

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
98TSS-069	201 202	>10000	< 1	0.30	27	900	36	47	0.17	79	< 10	172
98TSS-070	201 202	5500	< 1	0.38	32	770	34	42	0.27	100	< 10	162
98TSS-071	217 285	1285	< 1	0.29	25	340	66	47	0.27	71	< 10	278
98TSS-072	201 202	2630	< 1	0.17	10	250	42	35	0.06	32	< 10	632
98TSS-073	217 285	1220	< 1	0.05	6	260	58	34	0.06	24	< 10	714
98TSS-073A	201 202	2900	< 1	0.11	9	140	58	34	0.02	19	< 10	1320
98TSS-074	201 202	2250	< 1	0.15	13	420	108	37	0.07	29	< 10	932
98TSS-075	201 202	2760	< 1	0.08	18	430	100	47	0.11	33	< 10	894
98TSS-076	201 202	2670	< 1	0.27	19	440	128	49	0.14	46	< 10	2140
98TSS-077	201 202	2320	< 1	0.28	23	540	504	65	0.18	48	< 10	1770
98TSS-078	201 202	2320	< 1	0.20	34	560	438	52	0.20	54	< 10	900
98TSS-079	201 202	2870	< 1	0.34	25	560	214	42	0.22	55	< 10	426
98TSS-080	201 202	2800	< 1	0.43	22	600	192	64	0.24	63	< 10	248
98TSS-081	201 202	3000	< 1	0.44	22	710	68	73	0.22	62	< 10	264
98TSS-082	201 202	3160	< 1	0.24	23	490	64	36	0.20	53	< 10	196
98TSS-083	201 202	3310	< 1	0.11	35	550	74	38	0.22	106	< 10	528
98TSS-084	217 285	1830	< 1	0.07	21	320	40	29	0.15	41	< 10	340
98TSS-085	201 202	2440	< 1	0.13	16	410	60	39	0.12	37	< 10	260
98TSS-086	201 202	2030	< 1	0.13	9	190	30	28	0.03	22	< 10	200
98TSS-087	201 202	3210	< 1	0.16	14	200	96	36	0.04	31	< 10	174
98TSS-088	201 202	1780	< 1	0.29	9	260	30	38	0.04	22	< 10	150
98TSS-089	201 202	2700	< 1	0.23	18	460	44	30	0.08	42	< 10	248
98TSS-090	201 202	2660	< 1	0.32	16	640	64	71	0.15	53	< 10	246
98TSS-091	201 202	1740	< 1	0.21	7	230	108	37	0.04	24	< 10	1810
98TSS-092	201 202	1735	< 1	0.14	14	370	234	46	0.08	39	< 10	3030
98TSS-093	201 202	1810	< 1	0.08	12	240	242	38	0.05	22	< 10	2550
98TSS-094	201 202	2100	< 1	0.16	18	430	300	49	0.09	30	< 10	2540
98TSS-095	201 202	1615	< 1	0.25	16	640	202	58	0.13	37	< 10	986
98TSS-096	201 202	2280	< 1	0.16	19	450	248	51	0.13	35	< 10	1300
98TSS-097	201 202	2210	< 1	0.18	23	490	236	51	0.13	36	< 10	1350
98TSS-098	201 202	2870	< 1	0.22	27	680	224	41	0.18	104	< 10	874
98TSS-099	201 202	1920	< 1	0.18	16	330	152	49	0.11	59	< 10	616
98TSS-100	201 202	1840	< 1	0.18	13	350	122	50	0.08	45	< 10	628
98TSS-101	201 202	1710	< 1	0.18	14	420	128	50	0.06	45	< 10	708
98TSS-102	201 202	1630	< 1	0.23	10	400	98	37	0.05	33	< 10	634
98TSS-103	201 202	1635	< 1	0.16	9	210	104	52	0.04	24	< 10	822
98TSS-104	201 202	1780	< 1	0.17	9	250	126	44	0.04	27	< 10	1665
98TSS-105	201 202	1645	< 1	0.14	7	140	106	34	0.02	20	< 10	1890
98TSS-106	201 202	2610	< 1	0.26	39	810	152	60	0.16	56	< 10	1280
98TSS-107	201 202	2150	< 1	0.27	21	570	134	71	0.15	51	< 10	1120

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
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CERTIFICATE OF ANALYSIS A9826556

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
98TSS-108	201	202	< 5	0.2	5.20	830	1.5	< 2	4.74	2.5	20	35	113	2.76	2.54	2.77
98TSS-109	201	202	< 5	0.6	3.59	850	1.0	< 2	8.94	2.0	15	47	170	1.98	1.95	5.95
98TSS-110	201	202	< 5	0.4	1.37	170	< 0.5	6	15.70	1.5	13	13	739	1.35	0.87	10.60
98TSS-111	201	202	< 5	< 0.2	3.73	880	0.5	< 2	7.85	1.5	15	39	114	2.00	1.05	5.08
98TSS-112	201	202	< 5	0.2	2.79	550	0.5	< 2	11.15	4.0	20	29	112	2.26	0.98	7.44
98TSS-113	201	202	< 5	0.4	5.33	800	2.0	< 2	3.75	1.0	18	51	98	3.63	3.63	2.60
98TSS-114	201	202	< 5	0.2	3.65	570	0.5	< 2	9.20	1.0	24	41	137	3.01	1.72	6.14
98TSS-115	201	202	< 5	0.4	3.25	320	0.5	< 2	11.15	< 0.5	21	29	144	2.00	2.17	7.33
98TSS-116	201	202	< 5	0.2	4.01	560	1.0	< 2	9.60	< 0.5	22	41	88	2.06	2.68	6.16
98TSS-117	201	202	10	0.6	7.39	1120	1.5	< 2	0.48	< 0.5	39	80	203	5.49	3.56	0.97
98TSS-118	201	202	< 5	0.6	7.90	1000	2.5	< 2	0.27	0.5	144	81	294	5.45	3.72	0.82
98TSS-119	201	202	< 5	< 0.2	7.57	1400	3.5	< 2	0.53	0.5	58	67	185	5.63	3.25	0.69
98TSS-120	201	202	< 5	0.6	7.83	1420	2.5	< 2	0.47	0.5	115	101	164	8.31	3.56	0.76
98TSS-121	201	202	< 5	< 0.2	8.27	1330	4.5	< 2	0.36	2.0	28	56	67	5.65	3.86	0.50
98TSS-122	201	202	< 5	0.2	7.82	920	2.5	< 2	0.42	< 0.5	25	59	183	3.88	3.44	0.53
98TSS-123	201	202	< 5	0.2	9.70	1100	3.0	< 2	0.17	< 0.5	21	66	59	2.69	4.56	0.43
98TSS-124	217	285	< 5	< 0.2	9.66	880	2.5	< 2	0.07	< 0.5	14	62	273	3.39	4.77	0.35
98TSS-125	217	285	< 5	< 0.2	10.15	1020	3.0	< 2	0.08	< 0.5	13	56	43	2.63	5.19	0.42
98TSS-126	201	202	< 5	0.2	8.69	1130	3.0	< 2	0.30	< 0.5	28	100	134	4.05	4.31	0.74
98TSS-127	201	202	< 5	0.6	9.17	2160	3.5	< 2	0.46	0.5	38	241	106	4.51	4.20	1.10
98TSS-128	201	202	< 5	0.8	9.45	1410	3.0	< 2	0.34	< 0.5	17	92	84	3.61	4.40	0.58
98TSS-129	201	202	10	0.2	7.61	1620	2.5	< 2	1.07	< 0.5	29	83	337	4.93	3.72	1.10
98TSS-130	201	202	< 5	< 0.2	6.90	1530	2.0	< 2	0.97	< 0.5	37	90	218	5.30	3.04	1.23
98TSS-131	201	202	< 5	< 0.2	5.95	2480	1.0	< 2	0.93	0.5	49	395	192	5.90	2.41	2.43
98TSS-132	201	202	< 5	0.6	6.52	1710	1.5	< 2	2.75	< 0.5	43	273	456	4.85	4.28	2.73
98TSS-133	201	202	< 5	< 0.2	5.22	1930	0.5	< 2	1.06	< 0.5	34	60	215	4.65	3.74	0.72
98TSS-134	201	202	5	< 0.2	4.78	1930	0.5	< 2	5.95	0.5	26	48	135	4.63	3.83	3.26
98TSS-135	201	202	< 5	0.4	5.27	1720	1.5	< 2	5.79	< 0.5	29	110	123	4.25	1.34	3.48
98TSS-136	201	202	5	0.2	5.17	1900	1.5	< 2	3.13	< 0.5	43	53	145	6.29	4.11	1.96
98TSS-137	201	202	< 5	< 0.2	5.91	1600	1.5	< 2	0.59	< 0.5	30	66	141	4.55	3.98	0.61
98TSS-138	201	202	10	0.6	6.26	4210	1.5	< 2	2.58	0.5	37	66	393	4.70	4.42	2.29
98TSS-139	201	202	< 5	< 0.2	6.46	750	1.0	< 2	0.65	< 0.5	10	75	22	4.28	1.46	0.78
98TSS-140	201	202	10	0.2	9.01	740	2.5	< 2	0.72	< 0.5	26	69	105	4.65	2.62	0.94
98TSS-141	201	202	10	0.2	7.37	790	2.0	< 2	0.81	< 0.5	32	75	153	4.49	1.85	0.91
98TSS-142	201	202	< 5	0.2	8.57	800	2.0	< 2	0.63	< 0.5	32	75	54	5.04	2.55	0.90
98TSS-143	201	202	< 5	0.2	8.03	750	3.0	< 2	0.63	< 0.5	36	68	100	4.28	2.82	0.83
98TSS-144	201	202	< 5	< 0.2	9.26	640	3.5	< 2	0.44	< 0.5	24	81	77	4.39	3.84	0.83
98TSS-145	217	285	< 5	0.6	9.32	540	3.0	< 2	0.15	< 0.5	17	91	77	2.99	4.37	0.66
98TSS-146	201	202	< 5	0.2	8.77	700	4.0	< 2	0.90	< 0.5	38	58	67	4.26	3.00	0.77
98TSS-147	201	202	60	< 0.2	9.12	550	3.5	< 2	0.34	< 0.5	23	74	61	3.73	3.65	0.66

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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British Columbia, Canada V7J 2C1
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
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98TSS-108	201	202	2620	< 1	1.06	26	790	220	202	0.22	66	< 10	1080			
98TSS-109	201	202	2010	< 1	0.42	25	650	128	68	0.19	81	< 10	444			
98TSS-110	201	202	1900	< 1	0.10	14	300	64	33	0.07	34	< 10	360			
98TSS-111	201	202	1740	< 1	0.59	27	680	118	104	0.20	65	< 10	452			
98TSS-112	201	202	3100	< 1	0.23	31	470	242	61	0.14	47	< 10	936			
98TSS-113	201	202	4490	< 1	0.33	28	650	536	51	0.26	79	< 10	476			
98TSS-114	201	202	2830	< 1	0.17	31	480	100	51	0.21	76	< 10	352			
98TSS-115	201	202	2760	< 1	0.20	28	710	64	52	0.15	59	< 10	374			
98TSS-116	201	202	1885	< 1	0.30	33	850	44	69	0.22	61	< 10	162			
98TSS-117	201	202	4270	< 1	0.85	37	1290	54	76	0.34	154	< 10	170			
98TSS-118	201	202	2940	< 1	0.60	62	500	182	63	0.34	111	< 10	374			
98TSS-119	201	202	7880	< 1	0.68	37	1090	114	82	0.32	102	< 10	240			
98TSS-120	201	202	>10000	< 1	0.55	60	660	108	52	0.30	118	< 10	294			
98TSS-121	201	202	>10000	< 1	0.51	25	910	82	53	0.32	83	< 10	454			
98TSS-122	201	202	4070	1	0.81	22	590	36	117	0.36	91	< 10	142			
98TSS-123	201	202	3650	< 1	0.37	19	280	24	33	0.40	82	< 10	76			
98TSS-124	217	285	4260	< 1	0.31	19	200	16	22	0.29	69	< 10	78			
98TSS-125	217	285	2190	< 1	0.43	20	240	12	22	0.34	75	< 10	72			
98TSS-126	201	202	3970	< 1	0.42	31	450	40	51	0.39	105	10	122			
98TSS-127	201	202	5720	< 1	0.58	84	360	40	72	0.43	115	< 10	218			
98TSS-128	201	202	4480	< 1	0.48	27	390	36	56	0.41	90	< 10	88			
98TSS-129	201	202	6000	< 1	0.59	38	670	20	71	0.36	114	10	72			
98TSS-130	201	202	5010	< 1	0.64	46	1230	26	65	0.37	178	< 10	120			
98TSS-131	201	202	4480	< 1	0.51	127	1260	36	50	0.34	191	< 10	188			
98TSS-132	201	202	4130	< 1	0.24	88	940	36	45	0.36	154	< 10	152			
98TSS-133	201	202	6770	< 1	0.36	28	1320	20	66	0.18	84	< 10	136			
98TSS-134	201	202	6660	< 1	0.37	22	1650	18	80	0.17	77	< 10	232			
98TSS-135	201	202	5610	< 1	0.28	37	1340	16	58	0.22	85	< 10	132			
98TSS-136	201	202	9570	< 1	0.33	27	1710	20	70	0.21	71	< 10	174			
98TSS-137	201	202	7330	< 1	0.69	27	1630	24	64	0.18	80	< 10	78			
98TSS-138	201	202	4900	< 1	0.28	31	1110	84	47	0.24	96	< 10	266			
98TSS-139	201	202	515	< 1	1.17	22	470	20	148	0.49	166	< 10	76			
98TSS-140	201	202	755	1	1.23	27	1330	28	170	0.41	117	10	82			
98TSS-141	201	202	790	3	1.16	33	1080	30	162	0.42	130	< 10	94			
98TSS-142	201	202	960	3	1.14	30	1160	22	135	0.43	129	< 10	72			
98TSS-143	201	202	2370	< 1	0.91	30	1170	20	107	0.35	102	< 10	54			
98TSS-144	201	202	2570	< 1	0.71	30	630	30	77	0.37	101	< 10	48			
98TSS-145	217	285	830	< 1	0.69	21	310	86	25	0.34	84	< 10	92			
98TSS-146	201	202	3120	< 1	1.63	24	870	214	249	0.36	96	< 10	128			
98TSS-147	201	202	2930	< 1	0.73	26	510	36	77	0.36	90	< 10	52			

FOR Pb ON SAMPLE 98PUG-035

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98TSS-148	217 285	10	< 0.2	8.58	480	2.5	< 2	0.24	0.5	17	81	35	2.71	3.42	0.59
98TSS-149	217 285	5	< 0.2	8.48	570	3.0	< 2	0.34	< 0.5	21	74	51	3.29	3.25	0.66
98TSS-150	201 202	5	< 0.2	5.63	910	1.5	< 2	1.50	< 0.5	38	54	485	6.41	2.50	1.39
98TSS-151	201 202	5	0.2	7.51	600	3.0	< 2	0.44	0.5	35	69	45	4.19	2.65	0.72
98TSS-152	201 202	< 5	1.0	7.84	540	3.5	< 2	0.37	3.0	48	55	98	6.66	3.45	0.60
98TSS-153	201 202	< 5	< 0.2	7.74	640	3.0	< 2	0.47	0.5	45	72	58	5.41	2.60	0.59
98TSS-154	217 285	10	0.2	8.87	500	2.5	< 2	0.12	< 0.5	14	74	40	3.10	3.73	0.62
98TSS-155	201 202	5	< 0.2	5.34	690	1.5	< 2	3.57	< 0.5	24	55	332	3.69	3.35	2.54
98TSS-156	201 202	10	0.4	5.47	980	2.0	< 2	2.74	0.5	42	48	566	5.07	2.58	2.06
98TSS-157	201 202	10	0.6	7.51	970	5.5	< 2	0.52	0.5	70	64	442	5.65	2.91	0.72
98TSS-158	201 202	5	0.6	7.01	860	2.5	2	0.84	< 0.5	54	62	123	5.96	2.72	0.88
98TSS-159	201 202	5	0.6	7.29	940	3.0	< 2	1.02	0.5	29	80	170	4.48	2.35	1.09
98TSS-160	217 285	5	< 0.2	8.37	670	2.5	4	0.09	< 0.5	16	80	18	2.84	4.25	1.27
98TSS-161	201 202	10	< 0.2	7.76	860	3.0	< 2	0.36	< 0.5	36	66	54	4.72	3.15	0.77
98TSS-162	201 202	< 5	0.2	6.16	950	2.0	< 2	1.21	0.5	17	51	69	3.69	1.85	0.78
98TSS-163	201 202	10	0.8	6.16	810	5.0	< 2	0.77	1.5	51	71	96	5.99	1.56	0.89
98TSS-164	201 202	< 5	0.2	7.66	790	3.0	< 2	0.41	0.5	32	71	48	4.15	3.23	1.33
98TSS-165	217 285	5	0.2	8.01	680	3.0	< 2	0.20	< 0.5	21	82	37	4.03	3.71	1.54
98TSS-166	201 202	< 5	0.6	7.59	840	4.0	< 2	0.43	2.0	63	79	50	4.18	3.43	1.25
98TSS-167	201 202	10	1.2	6.83	1030	3.5	< 2	0.83	6.0	41	70	77	5.63	2.62	1.17
98TSS-168	217 285	10	0.4	8.25	740	3.0	< 2	0.13	0.5	18	83	43	2.67	2.68	1.31
98TSS-169	217 285	< 5	0.2	7.92	730	3.0	< 2	0.20	0.5	22	86	55	2.74	4.01	1.38
98TSS-170	201 202	< 5	1.2	6.04	880	5.0	< 2	0.85	2.0	159	56	522	7.77	1.94	1.48
98TSS-171	217 285	10	0.2	7.09	970	2.5	< 2	0.51	< 0.5	36	78	225	3.87	3.56	1.37
98TSS-172	201 202	< 5	< 0.2	4.04	740	1.5	< 2	6.99	< 0.5	24	34	208	3.37	1.97	4.04

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BLK98-02
Comments: ATTN: MURRAY JONES

Certificate Date: 13-AUG-98
Invoice No. :19826556
P.O. Number :
Account :EIA

CORRECTED COPY

CERTIFICATE OF ANALYSIS A9826556

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
98TSS-148	217	285	1025	< 1	0.59	22	530	70	35	0.26	74	< 10	104
98TSS-149	217	285	685	< 1	0.66	23	330	158	67	0.34	92	< 10	92
98TSS-150	201	202	9610	< 1	0.38	31	1040	14	62	0.24	137	< 10	108
98TSS-151	201	202	2480	< 1	0.68	30	730	918	84	0.34	105	< 10	402
98TSS-152	201	202	8000	< 1	0.34	53	550	278	43	0.25	74	< 10	1045
98TSS-153	201	202	5120	1	0.71	24	900	34	99	0.36	112	< 10	78
98TSS-154	217	285	840	< 1	0.43	18	250	98	23	0.29	76	< 10	68
98TSS-155	201	202	5590	< 1	0.26	22	860	46	48	0.26	98	< 10	64
98TSS-156	201	202	9470	< 1	0.49	31	890	148	80	0.23	103	< 10	232
98TSS-157	201	202	5620	2	0.61	37	960	174	84	0.27	97	< 10	228
98TSS-158	201	202	3580	3	0.67	52	910	88	95	0.31	112	< 10	76
98TSS-159	201	202	2280	1	1.03	41	1070	694	154	0.32	114	< 10	438
98TSS-160	217	285	760	< 1	0.40	29	310	92	35	0.32	69	< 10	132
98TSS-161	201	202	4680	1	0.63	27	1340	448	72	0.32	98	< 10	174
98TSS-162	201	202	2380	1	1.13	23	1340	164	178	0.28	88	< 10	182
98TSS-163	201	202	5840	2	0.91	39	1260	980	126	0.34	111	< 10	754
98TSS-164	201	202	3260	< 1	0.60	31	1120	200	73	0.34	81	< 10	378
98TSS-165	217	285	2160	< 1	0.47	33	450	60	46	0.33	75	10	192
98TSS-166	201	202	4140	< 1	0.48	37	730	216	64	0.35	79	< 10	822
98TSS-167	201	202	7100	< 1	0.69	33	1100	360	99	0.33	89	< 10	1565
98TSS-168	217	285	925	< 1	0.43	27	300	140	36	0.36	78	< 10	422
98TSS-169	217	285	1455	< 1	0.42	28	300	160	43	0.34	76	< 10	496
98TSS-170	201	202	>10000	1	0.56	60	950	1765	91	0.25	72	< 10	540
98TSS-171	217	285	3030	1	0.32	34	530	116	49	0.30	93	10	96
98TSS-172	201	202	6410	< 1	0.19	21	660	112	46	0.17	55	< 10	128

CERTIFICATION:

FOR Pb ON SAMPLE 98TSS-165

Statistics - Correlation Table For All Monster Rocks

Statistics	- Percentile Rank																									
Units																										
Percentile	Au ppb	Ag	Al	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sr	Tl	V	W	Zn	
Population	792	792	750	750	750	735	750	750	792	750	792	750	750	750	750	750	750	750	735	750	749	750	750	750	749	
98th	175.9	13.78	8.1114	5944	1.51	20.64	17.0702	23.53	2499.8	313.2	37734	21.8	7.1338	8.793	7091.4	30	3.21	250.04	1693.2	1204.3	913.64	0.81	628.7	20	1846.24	
95th	75	5.6	7.6085	2691	1.5	6.6	13.493	2	607.35	243	13370	13.133	6.2665	7.234	5837.75	11	2.461	122.1	1143	166.6	150	0.6155	317	10	506	
90th	24.5	2	7.13	1450	1	4	9.763	0.5	147.7	185.1	7798.1	9.257	5.461	5.202	4215	5	1.692	77	890	36.2	66	0.37	234.2	5	181.6	
85th	10	1	6.86	960	0.5	2	7.5265	0.5	84	149.65	5040.85	7.9195	4.75	4.5965	3243	3	1.13	51	820	16	49	0.31	164	5	99.6	
80th	2	0.6	6.65	792	0.5	2	6.502	0.2	63.8	136	3686	7.1	4.432	4.132	2824	2	0.682	51	780	12	41	0.28	122	5	74	
70th	2	0.2	6.213	620	0.5	1	4.861	0.2	42	120	2297.3	5.969	3.85	3.6	2176.5	1	0.28	39	710	6	33	0.25	94	0	52	
60th	2	0.1	5.738	510	0	0	3.978	0	29	108	1218.8	5.074	3.254	3.214	1765	1	0.23	31	650	2	27	0.22	79	0	36	
50th	2	0.1	5.18	410	0	0	3.285	0	23	97	460	4.345	2.605	2.78	1395	0.5	0.19	25	590	1	24	0.19	69.5	0	28	
40th	2	0.1	4.35	330	0	0	2.576	0	18	88	128.8	3.6	1.906	2.416	1118	0.5	0.16	21	480	1	21	0.146	60	0	22	
30th	2	0.1	3.34	250	0	0	1.827	0	14	79	53	3.057	1.03	2.027	832	0.5	0.11	17	380	1	17	0.1	49	0	18	
Correlation Coefficients																										
	Au ppb	Ag	Al	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sr	Tl	V	W	Zn	
Au ppb		0.23	-0.13	-0.03	-0.02	0.03	0.02	0.00	0.73	-0.01	0.41	0.14	-0.10	-0.01	0.01	0.07	-0.08	0.11	-0.06	-0.01	-0.03	-0.12	-0.01	0.28	-0.0055	
Ag	0.23																									
Al	-0.13	-0.17																								
Ba	-0.03	-0.02	-0.20																							
Be	-0.02	0.00	0.24	-0.06																						
Bi	0.03	0.17	-0.11	0.08	-0.02																					
Ca	0.02	-0.02	-0.46	0.04	-0.12	-0.04																				
Cd	0.00	0.12	-0.06	0.03	0.10	0.01	-0.04																			
Co	0.73	0.04	-0.04	-0.02	-0.02	0.05	0.02	0.02																		
Cr	-0.01	0.02	-0.05	-0.15	-0.07	-0.05	-0.34	0.03	-0.05																	
Cu	0.41	0.37	-0.16	-0.02	-0.04	0.55	-0.03	-0.01	0.19	-0.08																
Fe	0.14	0.13	0.06	-0.13	0.07	0.12	-0.29	0.01	0.00	-0.11	0.28															
K	-0.10	-0.12	0.72	-0.15	0.16	-0.08	-0.31	-0.06	-0.04	-0.08	-0.12	-0.10														
Mg	-0.01	-0.07	-0.15	-0.17	-0.08	-0.09	0.74	-0.08	0.03	-0.37	-0.07	-0.14	-0.17													
Mn	0.01	-0.03	-0.35	-0.12	-0.07	-0.06	0.59	0.05	0.01	-0.30	-0.03	0.03	-0.27	0.56												
Mo	0.07	0.03	-0.09	0.11	0.02	0.03	-0.03	0.08	0.04	0.08	-0.01	0.03	-0.10	-0.14	-0.08											
Na	-0.08	-0.09	0.41	-0.07	-0.06	-0.05	-0.16	-0.05	-0.05	-0.03	-0.04	0.07	-0.13	-0.03	-0.12	-0.06										
Ni	0.11	0.07	-0.05	0.02	0.05	0.02	-0.02	0.08	0.06	0.03	0.08	0.09	-0.07	-0.08	-0.05	0.88	-0.03									
P	-0.06	-0.01	0.22	-0.02	0.06	0.05	-0.07	0.00	-0.03	-0.08	0.00	0.06	0.18	-0.06	-0.12	0.58	0.06	0.61								
Pb	-0.01	0.36	-0.08	-0.01	0.02	0.09	-0.02	0.38	-0.01	0.09	-0.01	-0.04	-0.07	-0.06	-0.02	-0.01	-0.05	-0.01	-0.06							
Sr	-0.03	-0.02	-0.22	0.78	-0.06	0.10	0.15	0.04	-0.02	-0.12	-0.03	-0.15	-0.18	-0.17	-0.12	0.14	-0.06	0.08	0.03	0.00						
Tl	-0.12	-0.13	0.69	-0.12	0.08	-0.08	-0.32	-0.07	-0.06	-0.04	-0.09	0.17	0.38	-0.05	-0.22	-0.06	0.41	-0.03	0.16	-0.07	-0.13					
V	-0.01	0.07	0.04	0.06	-0.04	-0.01	-0.13	0.09	-0.02	0.22	0.01	0.02	-0.07	-0.19	-0.21	0.34	0.08	0.14	0.24	-0.04	0.14	0.23				
W	0.28	0.08	-0.13	-0.03	-0.01	-0.01	0.13	-0.01	0.19	-0.06	0.24	0.12	-0.11	0.09	0.08	-0.01	-0.04	0.06	-0.08	-0.01	-0.04	-0.06	-0.04			
Zn	-0.01	0.14	-0.03	0.00	0.06	0.01	-0.03	0.86	-0.01	-0.01	-0.01	-0.01	-0.02	-0.05	0.04	0.01	-0.03	0.01	-0.02	0.49	0.00	-0.05	0.00	0.00	1	

Statistics - Percentile Rank

Units																									
Percentile	**Au ppb**	**Ag**	**Al**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**	**Co**	**Cr**	**Cu**	**Fe**	**K**	**Mg**	**Mn**	**Mo**	**Na**	**Ni**	**P**	**Pb**	**Sr**	**Ti**	**V**	**W**	**Zn**
Population	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265	1265
98th	20	1.944	9.8952	5017.2	4	6	15.672	4.72	143.16	196.72	1555	8.8804	4.7844	10.508	10000	7.72	1.6944	93.72	2296	425.84	243.24	0.48	245.16	50	1658
95th	10	1	8.846	3188	3.5	2	10.122	2	74.8	133.8	899.4	7.836	4.258	6.606	10000	4	1.318	59.8	1898	223.2	172.8	0.44	184.2	5	712.8
90th	2	0.6	8.02	2250	3	2	5.05	0.5	58	101	551.2	6.884	3.856	3.634	8264	3	1.14	47	1670	128	144	0.4	143	5	374
85th	2	0.4	7.664	1860	2.5	1	3.298	0.5	48	92	405.8	6.41	3.51	2.674	7104	2	1.014	42	1530	90	125	0.38	130	5	256.8
80th	2	0.4	7.312	1632	2	1	2.254	0.5	42	85	323.2	6.1	3.27	2.212	6458	2	0.92	38	1410	66	112	0.36	122	5	182
70th	2	0.2	6.77	1350	1.5	1	1.53	0.2	35	76	218	5.62	2.94	1.63	5194	1	0.76	33	1260	38	93.8	0.33	112	5	128
60th	2	0.1	6.38	1130	1.5	1	1.24	0.2	29	70	156	5.14	2.65	1.33	4184	1	0.66	30	1150	26	78	0.3	103.4	5	100
50th	2	0.1	6.09	990	1	1	1.04	0.2	24	65	109	4.74	2.36	1.12	3260	0.5	0.56	27	1040	20	66	0.28	95	5	88
40th	2	0.1	5.796	890	1	1	0.856	0.2	21	59	80	4.336	2.11	0.99	2640	0.5	0.47	25	920	14	58	0.26	86.6	5	74
30th	2	0.1	5.38	790	0.5	1	0.71	0.2	18	54	56.2	3.87	1.86	0.87	2040	0.5	0.39	22	770	10	49	0.23	79	5	64

Correlation Coefficients

	Au ppb	**Ag**	**Al**	**Ba**	**Be**	**Bi**	**Ca**	**Cd**	**Co**	**Cr**	**Cu**	**Fe**	**K**	**Mg**	**Mn**	**Mo**	**Na**	**Ni**	**P**	**Pb**	**Sr**	**Ti**	**V**	**W**	**Zn**
Au ppb		0.07	-0.01	0.05	0.00	0.07	-0.02	-0.01	0.37	-0.02	0.25	0.09	-0.02	-0.01	0.10	0.01	-0.02	0.01	0.02	0.04	-0.02	-0.04	-0.01	0.02	-0.005
Ag	0.07																								
Al	-0.01	-0.13																							
Ba	0.05	0.08	0.08																						
Be	0.00	0.01	0.63	0.04																					
Bi	0.07	0.13	-0.02	0.01	0.09																				
Ca	-0.02	0.07	-0.64	-0.10	-0.29	0.04																			
Cd	-0.01	0.68	-0.14	0.12	-0.02	-0.02	0.09																		
Co	0.37	0.12	0.01	0.05	0.02	0.13	-0.06	0.00																	
Cr	-0.02	0.13	0.22	0.11	0.11	-0.01	-0.16	0.16	0.03																
Cu	0.25	0.18	-0.10	0.07	-0.08	0.18	0.01	0.03	0.47	0.05															
Fe	0.09	-0.01	0.09	0.14	-0.03	0.07	-0.30	-0.09	0.16	0.11	0.26														
K	-0.02	-0.04	0.65	0.13	0.44	0.02	-0.36	-0.12	0.01	0.17	0.00	0.01													
Mg	-0.01	0.05	-0.60	-0.05	-0.28	0.07	0.89	0.05	-0.03	-0.05	0.03	-0.26	-0.32												
Mn	0.10	-0.02	-0.31	0.14	-0.15	0.07	0.01	-0.09	0.17	-0.10	0.34	0.56	-0.07	0.00											
Mo	0.01	0.59	-0.11	0.10	-0.02	-0.01	0.02	0.82	0.00	0.16	0.03	0.02	-0.12	-0.04	-0.07										
Na	-0.02	-0.17	0.30	-0.06	-0.04	-0.08	-0.32	-0.11	-0.05	-0.01	-0.15	-0.02	-0.25	-0.36	-0.25	-0.10									
Ni	0.01	0.55	-0.07	0.15	-0.01	-0.01	-0.01	0.71	0.05	0.37	0.07	0.07	-0.08	-0.02	-0.05	0.91	-0.11								
P	0.02	0.15	-0.20	0.10	-0.22	-0.03	-0.22	0.24	0.03	-0.02	0.09	0.33	-0.21	-0.30	0.39	0.32	0.10	0.28							
Pb	0.04	0.26	-0.03	0.03	0.07	0.05	0.03	0.01	0.13	-0.01	0.15	0.00	0.00	0.04	0.03	-0.02	-0.05	0.02	-0.06						
Sr	-0.02	0.32	-0.04	0.10	-0.06	-0.06	-0.09	0.51	-0.05	0.05	-0.07	-0.12	-0.33	-0.18	-0.22	0.62	0.38	0.60	0.31	-0.01					
Ti	-0.04	-0.06	0.68	0.00	0.34	-0.03	-0.51	-0.03	-0.03	0.26	-0.09	0.09	0.30	-0.48	-0.39	-0.01	0.40	0.04	-0.08	-0.01	0.21				
V	-0.01	0.66	-0.07	0.12	-0.02	-0.03	-0.01	0.95	0.00	0.22	0.03	-0.03	-0.09	-0.06	-0.10	0.90	-0.06	0.81	0.30	-0.02	0.59	0.09			
W	-0.02	0.00	0.05	0.02	0.13	0.05	-0.01	-0.05	0.02	0.01	0.02	0.04	0.10	0.01	0.05	-0.05	-0.08	-0.04	0.01	0.02	-0.06	0.04	-0.05		
Zn	0.00	0.68	-0.25	0.07	-0.06	0.01	0.24	0.88	0.07	0.12	0.09	-0.13	-0.17	0.22	-0.07	0.80	-0.18	0.72	0.16	0.13	0.47	-0.13	0.82	-0.04	1

APPENDIX F

GEOLOGIST'S CERTIFICATE

GEOLOGIST'S CERTIFICATE

I, Murray I. Jones of 8606 144A St., Surrey, in the Province of British Columbia, DO HEREBY CERTIFY:

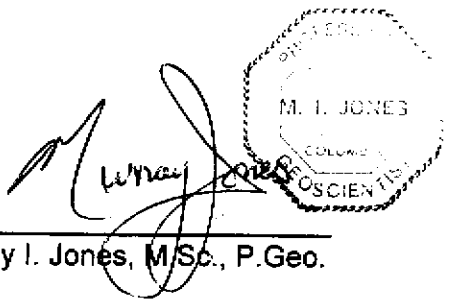
1. THAT I am a Consulting Geologist with offices at Suite 207, 675 West Hastings Street, Vancouver, British Columbia.

2. THAT I am a graduate of the University of British Columbia with a Bachelor of Science Honours degree in Geology (1982) and the University of Ottawa with a Master's of Science degree in Geology (1992).

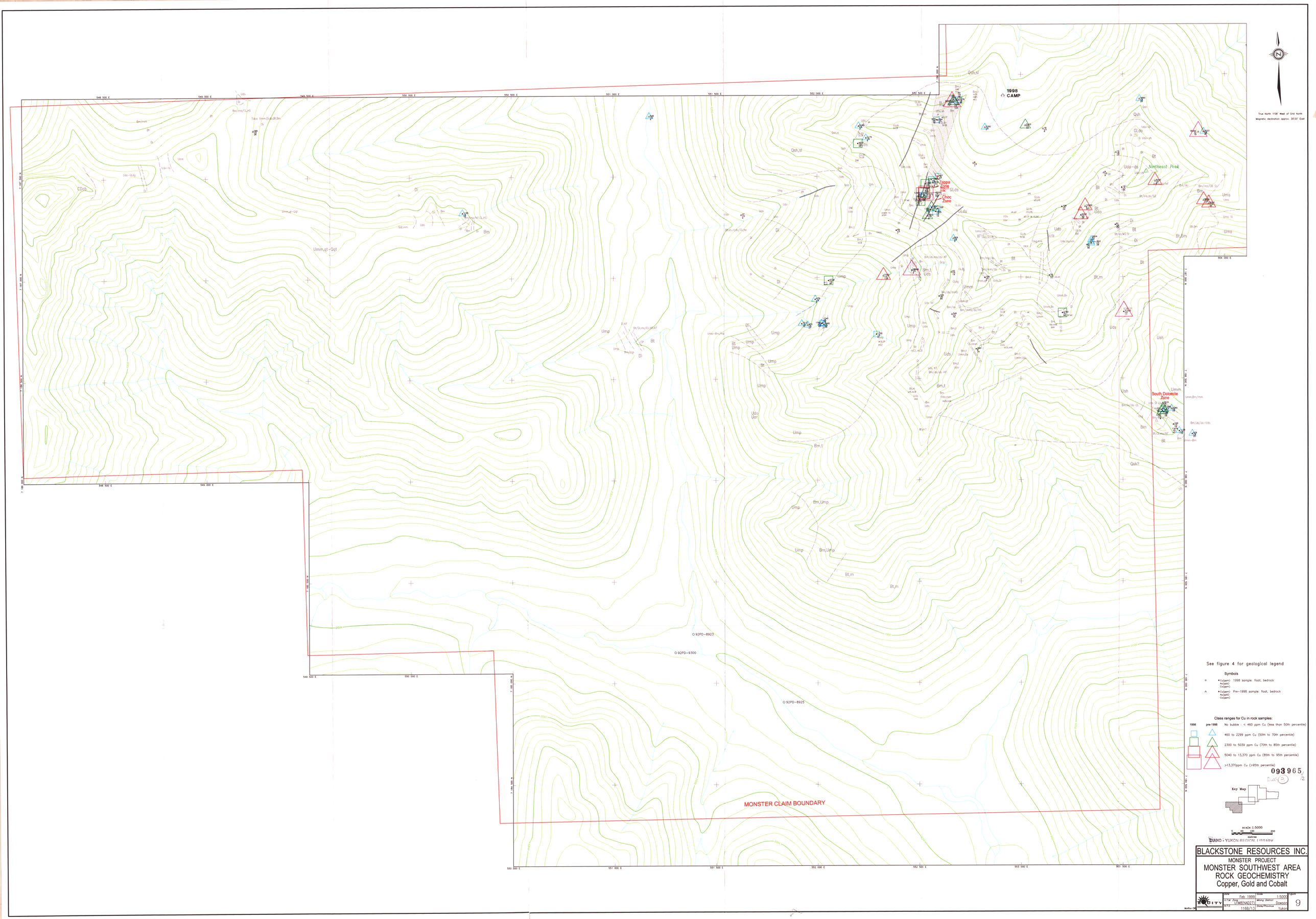
3. THAT I am a Professional Geoscientist registered in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (No. 20063).

4. THAT this report is based on property work I conducted and/or supervised between July 9 and July 24, 1998, as well as government publications and assessment reports filed with the Yukon Territory.

DATED at Vancouver, British Columbia, this 10th day of March, 1999.



Murray I. Jones, M.Sc., P.Geo.


1998
CAMP
Zappa Zone
Choc Zone
Northeast Peak
South Dolomite Zone
MONSTER CLAIM BOUNDARY
92PD-8923
92PD-9300
92PD-8925
548 500 E
549 000 E
549 500 E
550 000 E
550 500 E
551 000 E
551 500 E
552 000 E
552 500 E
553 000 E
553 500 E
554 000 E
7 187 500 N
7 187 000 N
7 186 500 N
7 186 000 N
7 185 500 N
7 185 000 N
7 184 500 N
7 184 000 N
True North 1°08' West of Grid North
Magnetic declination approx. 30°20' East
See figure 4 for geological legend
Symbols
Cu(ppm) Au(ppb) Co(ppm) 1998 sample: float, bedrock
Cu(ppm) Au(ppb) Co(ppm) Pre-1998 sample: float, bedrock
Class ranges for Cu in rock samples:
1998
pre-1998
No bubble : < 460 ppm Cu (less than 50th percentile)
460 to 2299 ppm Cu (50th to 70th percentile)
2300 to 5039 ppm Cu (70th to 85th percentile)
5040 to 13,370 ppm Cu (85th to 95th percentile)
>13,370ppm Cu (>95th percentile)
093965
Key Map
scale: 1:5000
0 50 100 200
metres
DIAND - YUKON REGION, LIBRARY
BLACKSTONE RESOURCES INC.
MONSTER PROJECT
MONSTER SOUTHWEST AREA
ROCK GEOCHEMISTRY
Copper, Gold and Cobalt
Date Feb 1999
Scale 1:5000
UTM Zone UTM83/NAD27
Mining District Dawson
N.T.S. 116B/13
Map/Province Yukon
Figure 9

LEGEND

LITHOLOGIES

CAMBRIAN TO DEVONIAN

CD CDb Formation
CDcb pale grey dolostone to limestone

PROTEROZOIC

Di Diorite
B Breccia
Bt Heterolithic breccia
Bm Homolithic breccia

Note: Convention for breccia description:
Breccia class/fragment type/matrix components, ie. Bm/do/CL indicates a homolithic breccia, with dolostone clasts, and chlorite matrix.

EARLY? TO MIDDLE PROTEROZOIC

GL Gillespie Lake Group
GLdg grey to buff weathering silty dolostone
GLds buff weathering algal laminated grey dolostone, silicic-jasper replaced stromatolites
GldO orange weathering dolostone

Q Quartet Group
Qcg coarse quartzite to conglomerate
Qsh black shale
Qsl grey to black siltstone
Qqt grey quartzite
Qms mudstone
Qwk dark grey to brown wacke

U Unclassified Sediments
Uar dark grey argillite
Uct chert to cherty argillite
Udo dolostone
Uds dolomitic siltstone
Uls light grey limestone
Ums mudstone
Umn green to brownish green friable mudstone
Ump purple mudstone
Umm maroon mudstone
Usg green finely laminated siltstone-mudstone with interbedded banded iron formation and dolostone
Ush grey shale

SYMBOLS

- Outcrop boundary
- Geological contact (approximate)
- Fault (assumed)
- Bedding
- Foliation
- Lineation, fold hinge
- Vein, dyke
- Rock sample (float, outcrop)
- Pre-1998 Rock sample (float, outcrop)
- Silt sample
- Claims post
- Mineralized Zone

ROCK AND MINERAL ABBREVIATIONS

ct	chert	CA	calcite
do	dolostone	CB	carbonate
ls	limestone	CL	chlorite
mg	grey mudstone	DO	dolomite
mm	maroon mudstone	EP	epidote
ms	mudstone	GR	graphite
qt	quartzite	JP	jasper
sh	shale	KF	orthoclase
sl	siltstone	PF	plagioclase
ss	sandstone	QZ	quartz
sw	stockwork	SD	siderite
BIF	banded iron formation	SI	silica

METALLIC AND SECONDARY MINERALS

CC	chalcocite	CP	chalcopyrite
GE	goethite	GL	galena
HE	hematite	HS	specularite
MC	malachite	PY	pyrite
SP	sphalerite	BO	Bornite
CO	cobaltite	ER	erythrite

COOKIE 1-58 CLAIMS

MONSTER EAST CLAIMS

O'HARA SHOWING CP, BO, CO, MC, ER

JASPER SHOWING

64°50'N.

139°40'W.

139°33'W.

TRUE NORTH IS 1°08' W. OF GRID NORTH
MAGNETIC DECLINATION = APPROX 30° 20' E.

METRES 0 100 200 300 400 500

093965

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BLACKSTONE RESOURCES INC.

COOKIE 1-58 CLAIMS

GEOLOGY AND ROCK SAMPLE LOCATIONS

EQUITY	Date DEC. 1998	Scale 1:5000	FIGURE 8
	UTM Zone	Mining District DAWSON	
	NTS 116B/13	State/Province YUKON	

True North 1°08' West of Grid North
Magnetic declination approx. 30°20' East

MONSTER CLAIMS
CO 1-4 CLAIMS
CO 1-4 CLAIMS
MONSTER CLAIMS
COOKIE CLAIMS
MONSTER CLAIM BOUNDARY
MONSTER CLAIM BOUNDARY

Cobalt Cirque

Goblin Showing
OZ-CB veins
CP,BO,MC,ER
35m@0.57%Cu

1998 CAMP
1993 CAMP

Panther Showing
CP,BO,CO,ER,MC

Upper Cobalt Cirque Showing
CP,CO

Mark's Higrade
CP,BO,CO,ER,MC

Champagne East

Champagne Zone
CP,CO,BO,ER,MC

CP,BO,MO
MC,ER

OZ-CB veins
CP,PY,JM

CP,MC,PY

Fault?contact

560 000 E
560 500 E
561 000 E
561 500 E
562 000 E
7 192 500 N
7 192 000 N
7 191 500 N
7 191 000 N
7 190 500 N
7 190 000 N
7 189 500 N
7 189 000 N
6400 N
6200 N
6000 N
5800 N
5600 N
5400 N
5200 N
5000 N
5000 E

LEGEND

LITHOLOGIES

CAMBRIAN TO DEVONIAN

CD — CDb Formation
- CDcb — pale grey dolostone to limestone

PROTEROZOIC

Di — Diorite

B — Breccia
- Bt — Heterolithic breccia
- Bm — Homolithic breccia

Note: Convention for breccia description; Breccia class/fragment type/matrix components, ie. Bm/do/CL indicates a homolithic breccia, with dolostone clasts, and chlorite matrix.

EARLY? TO MIDDLE PROTEROZOIC

GL — Gillespie Lake Group
- GLdg — grey to buff weathering silty dolostone
- GLds — buff weathering algal laminated grey dolostone, silicic-jasper replaced stromatolites

Q — Quartet Group
- Qcg — coarse quartzite to conglomerate
- Qsh — black shale
- Qsl — grey to black siltstone
- Qqt — grey quartzite
- Qms — mudstone
- Qwk — dark grey to brown wacke

U — Unclassified Sediments
- Usr — dark grey argillite
- Uct — chert to cherty argillite
- Udo — dolostone
- Uds — dolomitic siltstone
- Uls — light grey limestone
- Ums — mudstone
- Umm — green to brownish green friable mudstone
- Ump — purple mudstone
- Umm — maroon mudstone
- Usg — green finely laminated siltstone–mudstone with interbedded banded iron formation and dolostone
- Ush — grey shale

SYMBOLS

- Outcrop boundary
- Geological contact (approximate)
- Fault (assumed)
- Bedding
- Foliation
- Lineation, fold hinge
- b.v. — Vein, dyke
- ▫ 709551▪ — Rock sample (float, outcrop)
- △ 596674▲ — Pre–1998 Rock sample (float, outcrop)
- ○ 92PD–9285 — Silt sample
- Claim post
- Mineralized Zone

ROCK AND MINERAL ABBREVIATIONS

ct	chert	CA	calcite
do	dolostone	CB	carbonate
ls	limestone	CL	chlorite
mg	grey mudstone	DO	dolomite
mm	maroon mudstone	EP	epidote
ms	mudstone	GR	graphite
qt	quartzite	JP	jasper
sh	shale	KF	orthoclase
sl	siltstone	PF	plagioclase
ss	sandstone	QZ	quartz
sw	stockwork	SD	siderite
BIF	banded iron formation	SI	silica

METALLIC AND SECONDARY MINERALS

CC	chalcocite	CP	chalcopyrite
GE	goethite	GL	galena
HE	hematite	HS	specularite
MC	malachite	PY	pyrite
SP	sphalerite	BO	Bornite
CO	cobaltite	ER	erythrite

Key Map

093 965 1/2

pwg (5)

scale: 1:5000
0 50 100 200
metres

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BLACKSTONE RESOURCES INC.

MONSTER PROJECT
MONSTER EAST AREA GEOLOGY AND ROCK SAMPLE LOCATIONS

Date	Feb 1999	Scale	1:5000
U.T.M. Zone	UTM8(NAD27)	Mining District	Dawson
N.T.S.	116B/13	State/Province	Yukon

Figure 7

MONGS-E

True North 1°08' West of Grid North
Magnetic declination approx. 30°20' East

LEGEND

LITHOLOGIES

CAMBRIAN TO DEVONIAN

CD	CDb Formation	
	CDcb	pale grey dolostone to limestone

PROTEROZOIC

Di	Diorite	
B	Breccia	
	Bt	Heterolithic breccia
	Bm	Homolithic breccia

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EARLY? TO MIDDLE PROTEROZOIC

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	Qsh	black shale
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	Qqt	grey quartzite
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U	Unclassified Sediments	
	Uar	dark grey argillite
	Uct	chert to cherty argillite
	Udo	dolostone
	Uds	dolomitic siltstone
	Uls	light grey limestone
	Ums	mudstone
	Umm	green to brownish green friable mudstone
	Ump	purple mudstone
	Umm	maroon mudstone
	Usg	green finely laminated siltstone–mudstone with interbedded banded iron formation and dolostone
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- △ 596674▲ Pre–1998 Rock sample (float, outcrop)
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- Mineralized Zone

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HE	hematite	HS	specularite
MC	malachite	PY	pyrite
SP	sphalerite	BO	Bornite
CO	cobaltite	ER	erythrite

Key Map

scale: 1:5000
0 50 100 200
metres

DIAND - YUKON REGION, LIBRARY

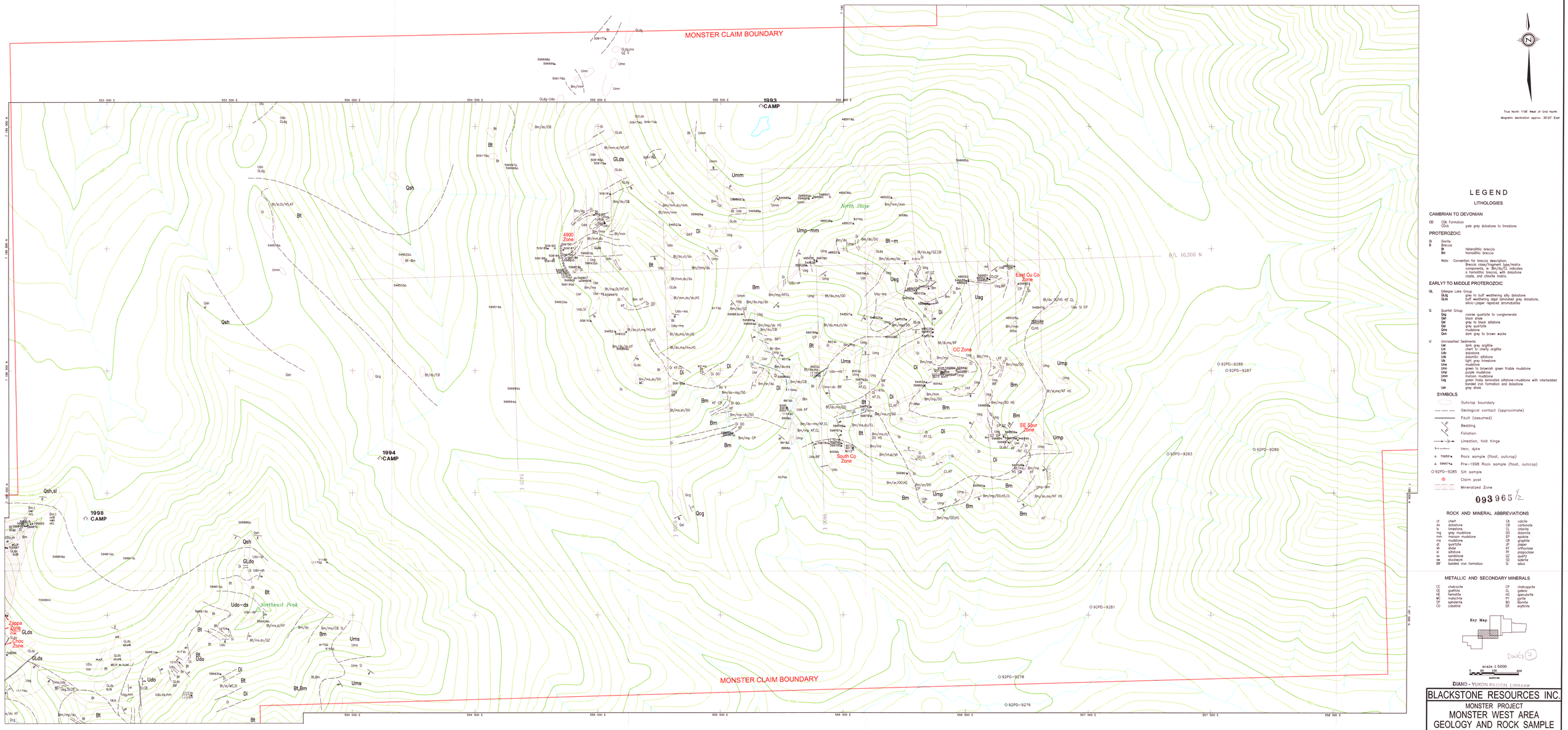
BLACKSTONE RESOURCES INC.

MONSTER PROJECT
WEST MONSTER EAST AREA GEOLOGY AND ROCK SAMPLE LOCATIONS

Date	Feb 1999	Scale	1:5000
U.T.M. Zone	UTM8(NAD27)	Mining District	Dawson
N.T.S.	116B/13	State/Province	Yukon

Figure 6

MONGS-ME



True North 1°08' West of Grid North
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LEGEND

LITHOLOGIES

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- Vein, dyke
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- Mineralized Zone

093965 1/2

ROCK AND MINERAL ABBREVIATIONS

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HE	hematite	HS	specularite
MC	malachite	PY	pyrite
SP	sphalerite	BO	Bornite
CO	cobaltite	ER	erythrite

Key Map

DWG 7

scale: 1:5000

0 50 100 200
metres

DIAND - YUKON REGION LIBRARY

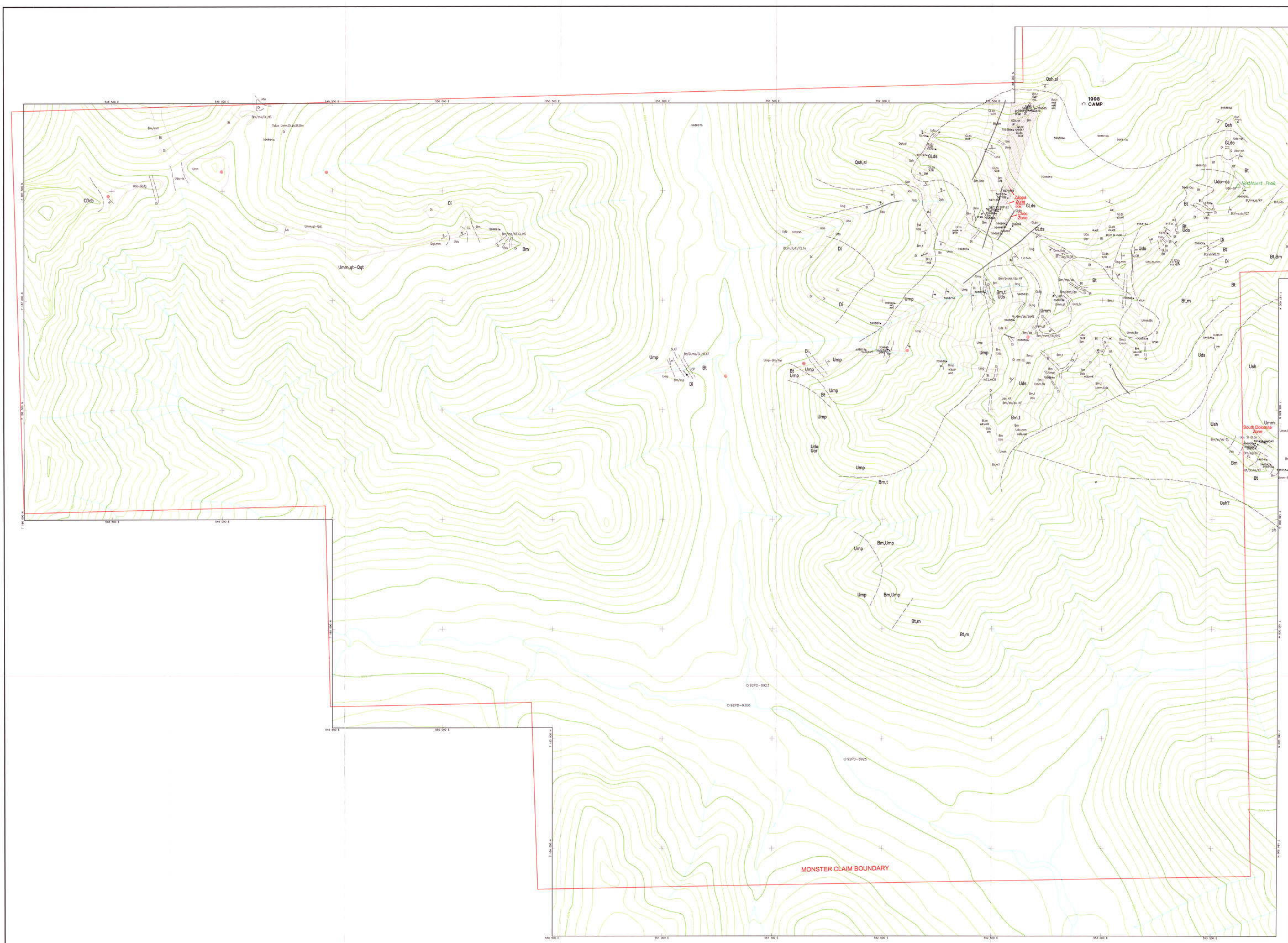
BLACKSTONE RESOURCES INC.

MONSTER PROJECT

MONSTER WEST AREA GEOLOGY AND ROCK SAMPLE LOCATIONS

Date: Feb. 1999	Scale: 1:5000		Figure: 5
UTM Zone: UTM8(NAD27)	Mining District: Dawson		
N.T.S.: 116B/13	State/Province: Yukon		

WOKDS-W


1998 CAMP
Zappa South Choc Zone
Northwest Peak
South Dolomite Zone
MONSTER CLAIM BOUNDARY
O 92PD-8923
O 92PD-9300
O 92PD-8925
Qsh,sl
GLds
Umm,qt-Qgt
Ump
Bm,Ump
Bt,m
Udo
Uar
Uds
Umm
Bt,Bm
Ush
Qsh?
Bm,t
Di
Bt
Bm
Udo-ds
Udo-GLdg
Udo-ls
Bm/mm
Talus Umm,Di,do,Bt,Bm
Bm/ms/CL,HS
Bm/ms/XF,CL,HS
Bt/DI,ms/CL,HS,XF
Bm/mp
Umm,Bm/mm
Bm/ds/do-Uds
Bt/DI,ms/XF
Umm-Bm
Bm/ds/do CL
Bm/ms/do
Bm/dm/do
Bm/mm/do/HS
Bm/ds/do,ms
Bm/do,ms/do XF
Bm/ms/CB SI
Bt/ms,ds/XF
Bt/ms,do/Q2
Bt/ds/WC,SI
Bt/ms,ds/XF
Bm/do
Bm/ds/do
Bm/do,ms
Bm/ds/do,ms
Bm/ds/do,ms/HS
Bm/mm/do/HS
Bm/ds/do,ms/HS
Bm/ds/do,ms/XF
Bm/do,ms/do XF
Bm/do XF
Bm/ds/do XF
Bm/ds/do,ms/XF
Bm/ds/do,ms/HS
Bm/ds/do,ms/do XF
Bm/ds/do,ms/do XF
Bm/ds/do,ms/do XF

Blackstone Resources Inc.

093965

1998 GEOLOGICAL MAPPING, PROSPECTING, ROCK AND SOIL GEOCHEMICAL SAMPLING PROGRAM ON THE MONSTER PROPERTY, Monster 1-265 and Cookie 1-58 Claims. Volume 2, Figures 10 to 18.

Located in the Ogilvie Mountains
Dawson Mining District
NTS 116B/13
64° 49' North Latitude
139° 50' West Longitude

-prepared for-

BLACKSTONE RESOURCES INC.
501-675 West Hastings Street
Vancouver, B.C., Canada
V6B 1N2

-prepared by-

Murray I. Jones, M.Sc., P.Geo.
EQUITY ENGINEERING LTD.
207-675 West Hastings Street,
Vancouver, B.C., Canada
V6B 1N2

Dates worked: July 10 to July 23, 1998.

RECEIVED
MAR 19 1999
MINING RECORDERS OFFICE
DAWSON, Y.T.

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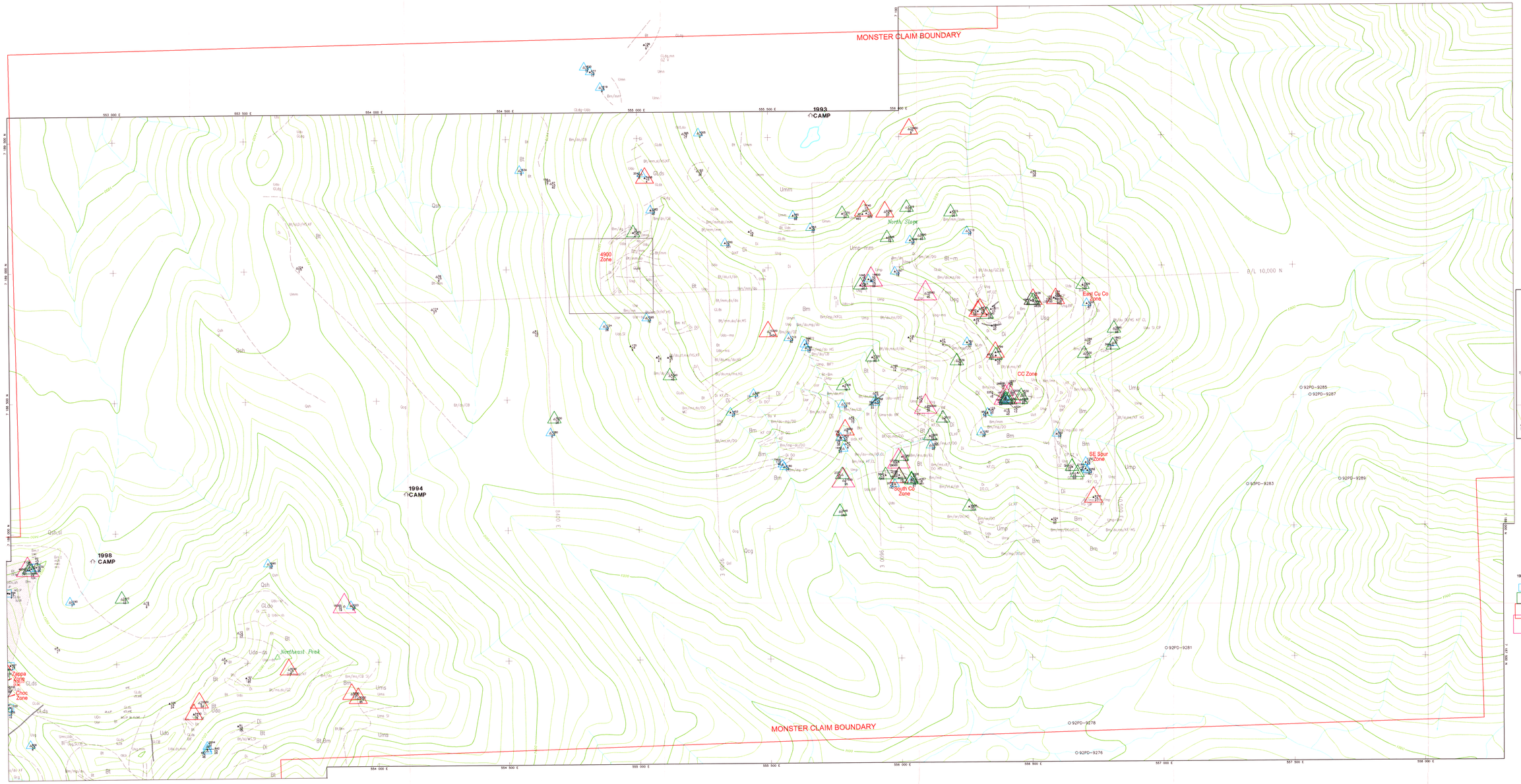
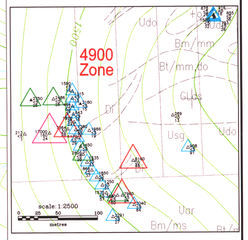


True North 1°08' West of Grid North
Magnetic declination approx. 30°20' East



See figure 4 for geological legend

Symbols

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- △ ● Cu(ppm) Au(ppb) Co(ppm) Pre-1998 sample: float, bedrock

Class ranges for Cu in rock samples:

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460 to 2299 ppm Cu (50th to 70th percentile)

2300 to 5039 ppm Cu (70th to 85th percentile)

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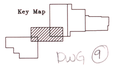
>13,370ppm Cu (>95th percentile)

093965 2/2

Key Map



DWG 9

scale 1:5000
0 50 100 200
metres

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BLACKSTONE RESOURCES INC.

MONSTER PROJECT

MONSTER WEST AREA ROCK GEOCHEMISTRY Copper, Gold and Cobalt

Date: Feb 1999	Scale: 1:5000		Figure: 10
U.T.M. Zone: UTM8(NAD27)	Mining District: Dawson		
N.T.S.: 116B/13	State/Province: Yukon		

Monitor-W

556 000 E | 556 500 E | 557 000 E | 557 500 E | 558 000 E | 558 500 E | 559 000 E

7 193 500 N | 7 193 000 N | 7 192 500 N | 7 192 000 N | 7 191 500 N | 7 191 000 N | 7 190 500 N | 7 190 000 N

94TB-28 | 94TB-29 | 94TB-30 | 94TB-31 | 94TB-32 | 94TB-33 | 94TB-34

94MM-100 | 94MM-101 | 94MM-102 | 94MM-103

92PD-9285 | 92PD-9287 | 92PD-9289 | 93PD-9283

1998 CAMP

"THE DONUT"

MONSTER CLAIMS
CO 1-4 CLAIMS

MONSTER CLAIM BOUNDARY

Panther Showing
CP,BO,CO,ER,MC

Champagne North

Champagne Zone
CP,CO,BO,ER,MC

East Cu Co Zone

CC Zone

SE Spur Zone

South Co Zone

North Slope

B/L 10,000 N

10,500 E

GLdg | GLdg,do | GLdg,Umm | Bm,t | Umm | CDcb | Qsh | Qsh,sl,wk | Qsh,wk | Qsh,wk,cg | Qsh,ss,wk | Ums,do | Udo | Bt,m | Bt-m | Bt? | B? | Bm | Bm,Udo | Bm,Udo,sh | Bm/mm/mm | Bm/do/DO | Bt/do,sg/QZ,CB | Bt/do,ms/KF | Bt/sl,ms/KF HS | Bm/mp/DO | Bm/mp/DO HS | Bm/ms,do/CL | Bm/ms,ct/DO HS | Bm/ct,sl/sh | Bm/ar/DO,HS | Bm/ar/DO | Bm/mm/mm | Bm/mm | Usg | Usg-ms | Usg,BIF | Uds | Ump | Ump-Bm | Bm/do,ms/KF,HS | Bm/mp/DO,HS,CL | Bm/do,ms/mp HS,CP | Udo,sh | Udo,Bm | Udo,mm | Udo,Bm,t | Udo,ms | Udo,sh,wk | Udo,sh,trMC,CP | Udo,Bm Sl-CB | Udo,sh MN,PY | Udo,sh,wk MN,PY | Udo,sh,wk MN | Udo,Umg,do | Udo,mm Sl-CB | Udo Sl-CB | Udo Sl,CB | Udo Sl,CB,MC,CP | Udo Sl,CB,JP | Udo Sl,CB,HS | Udo Sl,CP | Udo Sl,CB,BIF | Udo Sl-CB,mHE | Udo mSl-CB | Udo Sl-CB,mHE | Udo Sl-CB,JP | Udo,sg,Sl-CB | Udo,sg,Sl,CB | Udo,sg,Sl-CB,JP | Udo,sg,Sl-CB,HS | Udo,sg,Sl-CB,mHS | Udo,sg,Sl-CB,mHS,CP | Udo,sg,Sl-CB,mHS,JP | Udo,sg,Sl-CB,mHS,HS | Udo,sg,Sl-CB,mHS,HS,CP | Udo,sg,Sl-CB,mHS,HS,JP | Udo,sg,Sl-CB,mHS,HS,JP,CP | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb,Mo | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb,Mo,Ag | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb,Mo,Ag,In | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb,Mo,Ag,In,Sn | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb,Mo,Ag,In,Sn,Sb | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb,Mo,Ag,In,Sn,Sb,Cs | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb,Mo,Ag,In,Sn,Sb,Cs,La | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb,Mo,Ag,In,Sn,Sb,Cs,La,Ce | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb,Mo,Ag,In,Sn,Sb,Cs,La,Ce,Nd | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb,Mo,Ag,In,Sn,Sb,Cs,La,Ce,Nd,Sc | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb,Mo,Ag,In,Sn,Sb,Cs,La,Ce,Nd,Sc,Be | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb,Mo,Ag,In,Sn,Sb,Cs,La,Ce,Nd,Sc,Be,Pb | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb,Mo,Ag,In,Sn,Sb,Cs,La,Ce,Nd,Sc,Be,Pb,Th | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb,Mo,Ag,In,Sn,Sb,Cs,La,Ce,Nd,Sc,Be,Pb,Th,U | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb,Mo,Ag,In,Sn,Sb,Cs,La,Ce,Nd,Sc,Be,Pb,Th,U,Y | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb,Mo,Ag,In,Sn,Sb,Cs,La,Ce,Nd,Sc,Be,Pb,Th,U,Y,Zr | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb,Mo,Ag,In,Sn,Sb,Cs,La,Ce,Nd,Sc,Be,Pb,Th,U,Y,Zr,Nb | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb,Mo,Ag,In,Sn,Sb,Cs,La,Ce,Nd,Sc,Be,Pb,Th,U,Y,Zr,Nb,Mo | 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Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,Sn,Bi,Ba,Hg,Te,Ga,In,Tl,Li,Sr,Cs,Rb,K,Na,Ca,P,La,Cr,Mg,Ba,Ti,B,Al,Na,K,W,Hg,Sc,Be,S,Ga,Ge,Se,Ta,Nb,Re,Ga,Ge,As,Se,Br,Rb,Sr,Y,Zr,Nb,Mo,Ag,In,Sn,Sb,Cs,La,Ce,Nd,Sc,Be,Pb,Th,U,Y,Zr,Nb,Mo,Ag,In,Sn,Sb,Cs,La,Ce | Udo,sg,Sl-CB,mHS,HS,JP,CP,MC,ER,CO,BO,Bx,Ag,Au,Mo,Cu,Pb,Zn,As,Sb,W,

True North 1°08' West of Grid North
Magnetic declination approx. 30°20' East

MONSTER CLAIMS
CO 1-4 CLAIMS
CO 1-4 CLAIMS
MONSTER CLAIMS
COOKIE CLAIMS
MONSTER CLAIM BOUNDARY
MONSTER CLAIM BOUNDARY

Cobalt Cirque
Goblin Showing
QZ-CB veins
CP,BO,MC,ER
Cbm@0.57%Co
1998 CAMP
1993 CAMP
Panther Showing
CP,BO,CO,ER,MC
Upper Cobalt Cirque Showing
CP,CO
Mark's Higrade
CP,BO,CO,ER,MC
Champagne East
Champagne Zone
CP,CO,BO,ER,MC

Umm
GLdg,Umm
GLdg
Bt,m
Qsh,sl
Bm,t
Fault?contact
Bt+Bm
Qsh
Bt
Di
Di (volc?)
Ush
Umm,ms
Bm,t
Udo,sh
Udo,mm
Bm,Udo(GL)
Bm?
Ums
Qsh,qt
Qsh,ss,wk
Udo,Bm,t
Bm,Udo,mg
Udo,Bx
Udo,rmm
Udo,mmh
Udo,mm
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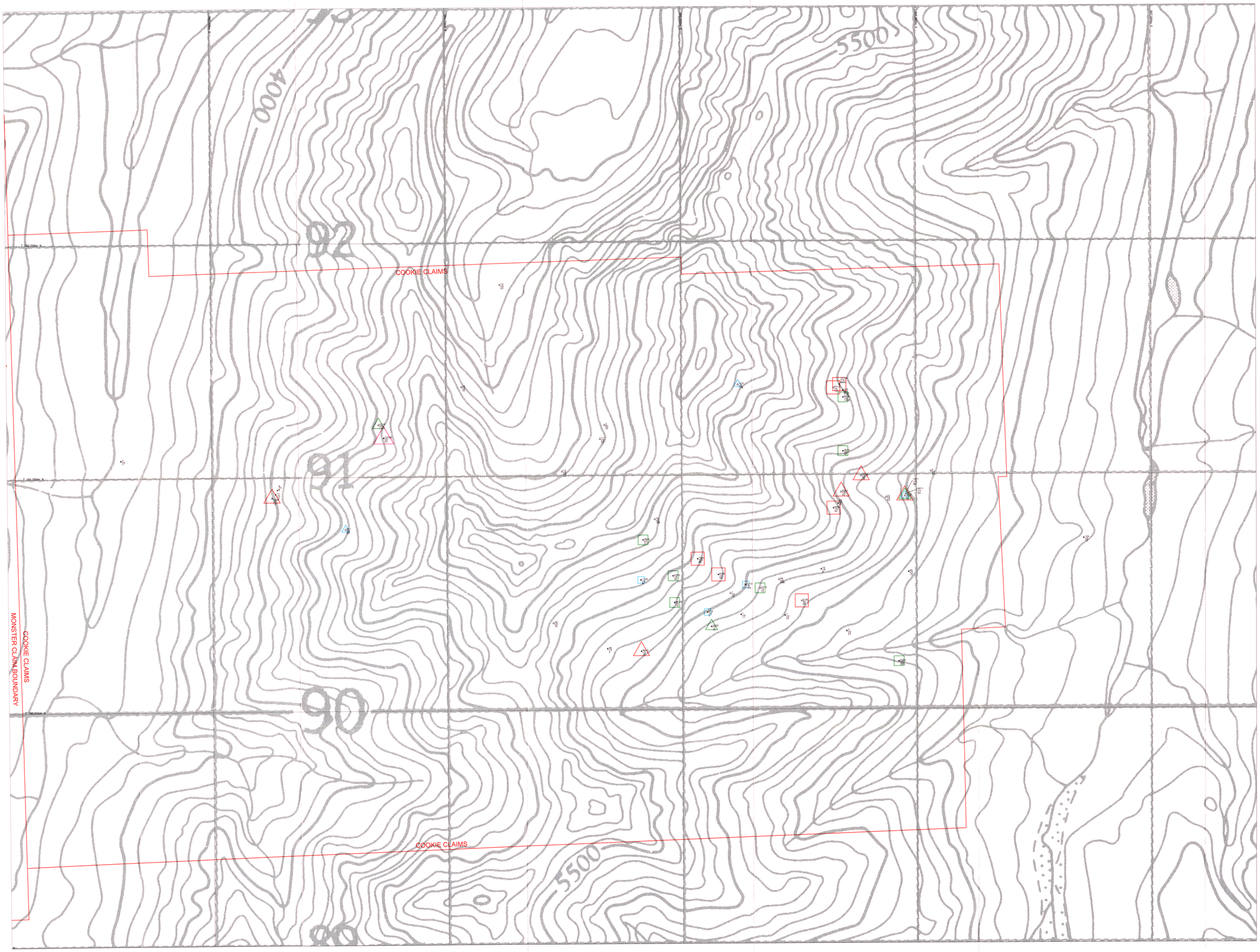
Udo,mg
Udo,mm
Bm,Udo
Udo,Bm
Udo,mm
Udo,mm
Udo,m



True North 1°08' West of Grid North
Magnetic declination approx. 30°20' East

See figure 4 for geological legend

Symbols

- ○ ● Cu(ppm) Au(ppb) Co(ppm) 1998 sample: float, bedrock
- △ ● Cu(ppm) Au(ppb) Co(ppm) Pre-1998 sample: float, bedrock

Class ranges for Cu in rock samples:

1998	pre-1998	
		No bubble : < 460 ppm Cu (less than 50th percentile)
		460 to 2299 ppm Cu (50th to 70th percentile)
		2300 to 5039 ppm Cu (70th to 85th percentile)
		5040 to 13,370 ppm Cu (85th to 95th percentile)
		>13,370ppm Cu (>95th percentile)

Key Map

DWG (12)

093 065 2/2

scale: 1:5,000

0 50 100 200 300 400 metres

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BLACKSTONE RESOURCES INC.

MONSTER PROPERTY

COOKIE CLAIMS

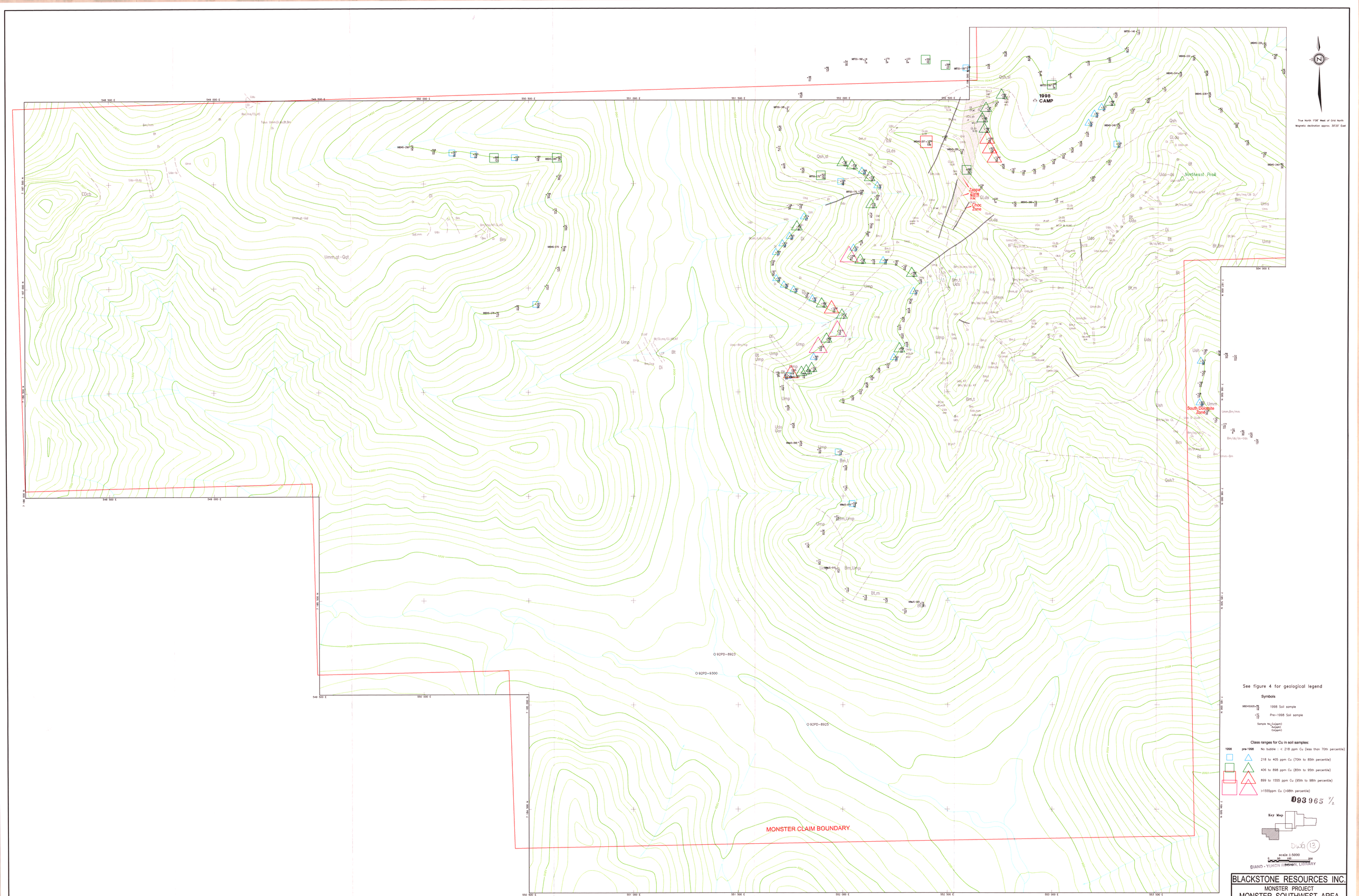
ROCK GEOCHEMISTRY

Copper, Gold and Cobalt

Date: Feb. 1999	Scale: 1:5,000	Figure: 13
U.T.M. Zone: UTM8(NAD27)	Mining District: Dawson	
N.T.S.: 106B/13	State/Province: Yukon	

EQUITY

Coleflow



True North 1°08' West of Grid North
Magnetic declination approx. 30°20' East

See figure 4 for geological legend

Symbols

98DHS005=98 / 28 — 1998 Soil sample

+25 / 12 — Pre-1998 Soil sample

Sample No. Cu(ppm) / Au(ppb) / Co(ppm)

Class ranges for Cu in soil samples:

1998	pre-1998	
		No bubble : < 218 ppm Cu (less than 70th percentile)
		218 to 405 ppm Cu (70th to 85th percentile)
		406 to 898 ppm Cu (85th to 95th percentile)
		899 to 1555 ppm Cu (95th to 98th percentile)
		>1555ppm Cu (>98th percentile)

093 965 2/2

Key Map

DWG 13

scale: 1:5000

0 50 100 200

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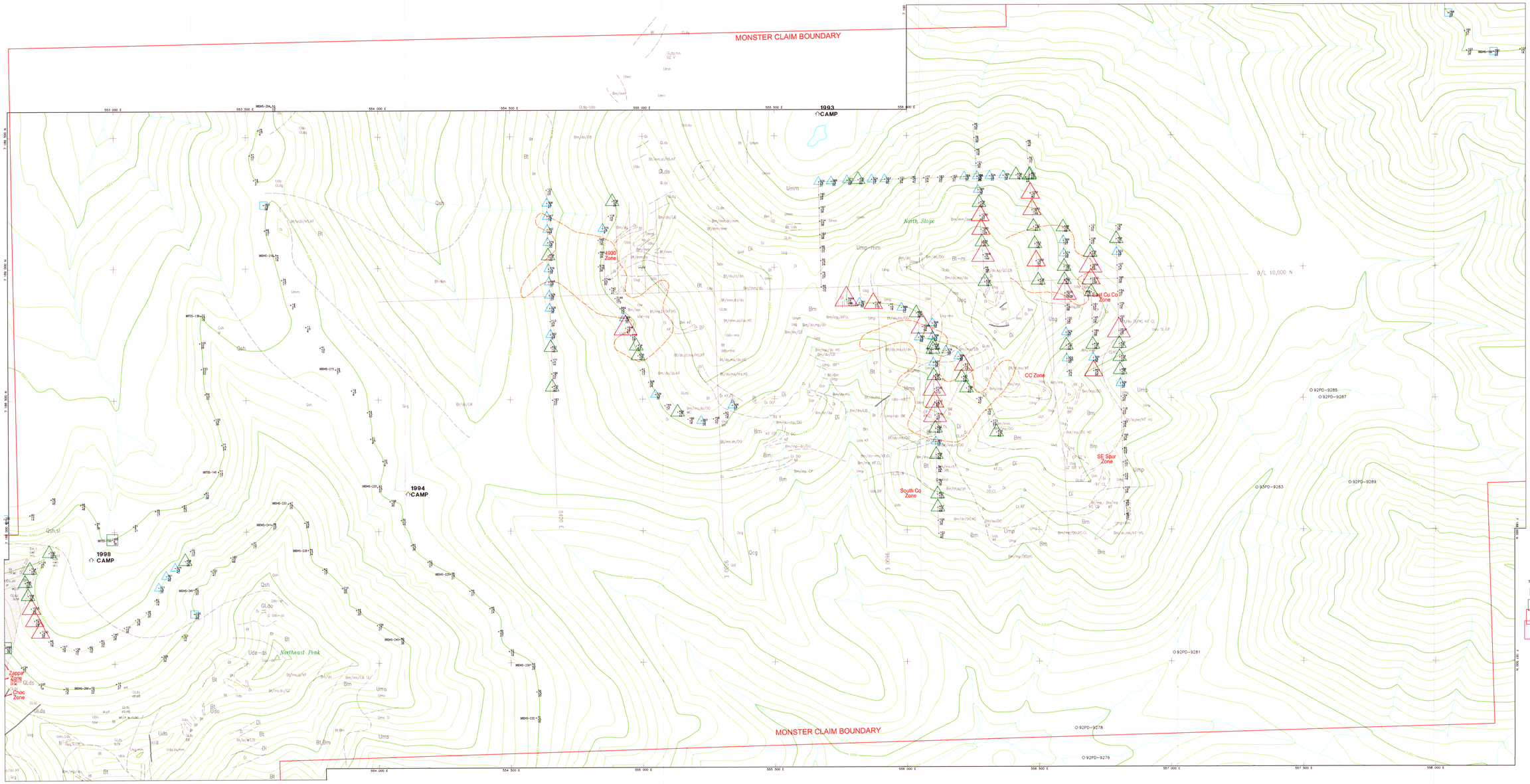
BLACKSTONE RESOURCES INC.

MONSTER PROJECT

MONSTER SOUTHWEST AREA SOIL GEOCHEMISTRY Copper, Gold and Cobalt

Date: Feb. 1999	Scale: 1:5000	Figure: 14
U.T.M. Zone: UTM8(NAD27)	Mining District: Dawson	
N.T.S.: 116B/13	State/Province: Yukon	

MonSt-Sw



True North 1°08' West of Grid North
Magnetic declination approx. 30°20' East

See figure 4 for geological legend

Symbols

>480 ppm Cu (Umex)

98CH-5005 — 1998 Soil sample

Pre-1998 Soil sample

Sample No. Cu(ppm) Au(ppb) Co(ppm)

Class ranges for Cu in soil samples:

1998	pre-1998	
		No bubble : < 218 ppm Cu (less than 70th percentile)
		218 to 405 ppm Cu (70th to 85th percentile)
		406 to 898 ppm Cu (85th to 95th percentile)
		899 to 1555 ppm Cu (95th to 98th percentile)
		>1555ppm Cu (>98th percentile)

093 965 2/E

Key Map

Dwg 14

scale: 1:5000

0 50 100 200
metres

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BLACKSTONE RESOURCES INC.

MONSTER PROJECT

MONSTER WEST AREA
SOIL GEOCHEMISTRY
Copper, Gold and Cobalt

Date	Feb 1999	Scale	1:5000
Grid	UTM Zone 8 (NAD27)	Mining District	Dawson
NTS	116B/13	Prov./Territory	Yukon

Figure 15

True North 1°08' West of Grid North
Magnetic declination approx. 30°20' East

MONSTER CLAIMS
CO 1-4 CLAIMS

MONSTER CLAIM BOUNDARY

1998 CAMP

"THE DONUT"

Panther Showing
CP,BO,CO,ER,MC

Champagne North

Champagne Zone
CP,CO,BO,ER,MC

East Cu Co Zone

CC Zone

SE Spur Zone

South Co Zone

North Slope

B/L 10,000 N

See figure 4 for geological legend

Symbols

>480 ppm Cu (Umex)

98DHS005+88 18 — 1998 Soil sample

327 12 — Pre-1998 Soil sample

Sample No. Cu(ppm) Au(ppb) Co(ppm)

Class ranges for Cu in soil samples:

1998	pre-1998	
		No bubble : < 218 ppm Cu (less than 70th percentile)
		218 to 405 ppm Cu (70th to 85th percentile)
		406 to 898 ppm Cu (85th to 95th percentile)
		899 to 1555 ppm Cu (95th to 98th percentile)
		>1555ppm Cu (>98th percentile)

093 065 2/2

Key Map

DWG 15

scale: 1:5000
0 50 100 200
meters

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BLACKSTONE RESOURCES INC.

MONSTER PROJECT
WEST MONSTER EAST AREA
SOIL GEOCHEMISTRY
Copper, Gold and Cobalt

Date	Feb 1999	Scale	1:5000
U.T.M. Zone	UTM8(NAD27)	Mining District	Dawson
N.T.S.	116B/13	State/Province	Yukon

Figure 16

True North 1°08' West of Grid North
Magnetic declination approx. 30°20' East

MONSTER CLAIMS
CO 1-4 CLAIMS

CO 1-4 CLAIMS
MONSTER CLAIMS

COOKIE CLAIMS
MONSTER CLAIM BOUNDARY

MONSTER CLAIM BOUNDARY

Cobalt Cirque

Goblin Showing
QZ-CB veins
CP,BO,MC,ER
.86m@0.57% Co117

Mark's Higrade
CP,BO,CO,ER,MC

Upper Cobalt Cirque Showing
CP,CO

Farmer Showing
CP,BO,CO,ER,MC

Champagne East

Champagne Zone
CP,CO,BO,ER,MC

560 000 E
560 500 E
561 000 E
561 500 E
562 000 E
7 192 500 N
7 192 000 N
7 191 500 N
7 191 000 N
7 190 500 N
7 190 000 N
7 189 500 N
7 189 000 N
5100 N
5000 N
4900 N
5800 N
4400 N
4000 N

See figure 4 for geological legend

Symbols

98DHS005+88/58/18 — 1998 Soil sample

+35/12 — Pre-1998 Soil sample

Sample No.
Cu(ppm)
Au(ppb)
Co(ppm)

Class ranges for Cu in soil samples:

1998 / pre-1998

No bubble : < 218 ppm Cu (less than 70th percentile)

218 to 405 ppm Cu (70th to 85th percentile)

406 to 898 ppm Cu (85th to 95th percentile)

899 to 1555 ppm Cu (95th to 98th percentile)

>1555ppm Cu (>98th percentile)

D93965 ½

Key Map

DWG 16

scale: 1:5000
0 50 100 200
metres

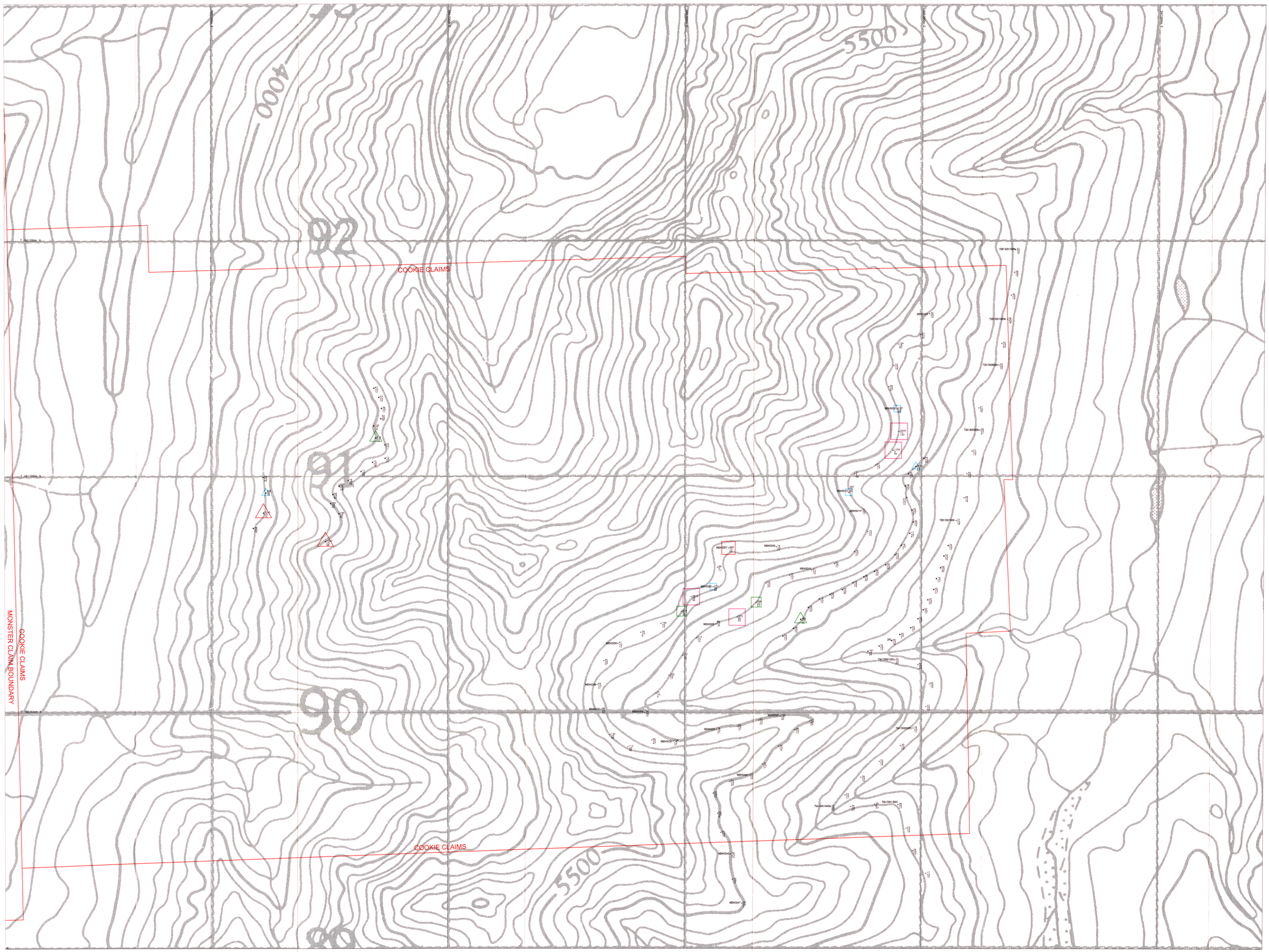
DIAND - YUKON REGION, LIBRARY

BLACKSTONE RESOURCES INC.

MONSTER PROJECT
MONSTER EAST AREA
SOIL GEOCHEMISTRY
Copper, Gold and Cobalt

EQUITY	Date: Feb 1999	Scale: 1:5000	Figure: 17
	U.T.M. Zone: UTM8(NAD27)	Mining District: Dawson	
	N.T.S.: 116B/13	State/Province: Yukon	

MonSil-E



True North 1°08' West of Grid North
Magnetic declination approx. 30°20' East

See figure 4 for geological legend

Symbols

98DHS005+25 / 12 — 1998 Soil sample

+25 / 12 — Pre-1998 Soil sample

Sample No. Cu(ppm) / Au(ppb) / Co(ppm)

Class ranges for Cu in soil samples:

1998	pre-1998	
		No bubble : < 218 ppm Cu (less than 70th percentile)
		218 to 405 ppm Cu (70th to 85th percentile)
		406 to 898 ppm Cu (85th to 95th percentile)
		899 to 1555 ppm Cu (95th to 98th percentile)
		>1555ppm Cu (>98th percentile)

093 965 2/2

Key Map

DWG 17

scale: 1:5,000

0 50 100 200 250
metres

DIAND - YUKON REGION, LIBRARY

BLACKSTONE RESOURCES INC.

MONSTER PROPERTY
COOKIE CLAIMS
SOIL GEOCHEMISTRY
Copper, Gold and Cobalt

Date: Feb 1999	Scale: 1:5,000	Figure: 18
U.T.M. Zone: UTM8(NAD27)	Mining District: Dawson	
N.T.S.: 106B/13	State/Province: Yukon	

Cook Q