ARIS SUMMARY SHEET

District Geologist, Smithers Off Confidential: 92.03.06

ASSESSMENT REPORT 21062 MINING DIVISION: Liard

PROPERTY: Copper Canyon
LOCATION: LAT 57 07 00 LONG 131 21 00
UTM 09 6332611 357700
NTS 104G03W
CLAIM(S): CC 1-6,CC 13-14
OPERATOR(S): Cons. Rhodes Res.
AUTHOR(S): Leary, G.
REPORT YEAR: 1990, 217 Pages
COMMODITIES
SEARCHED FOR: Copper,Gold,Silver
KEYWORDS: Triassic,Stuhini Group,Andesites,Syenites,Monzonites
Porphyry copper,Alkalic porphyry,Garnet,Chalcopyrite,Malachite
Chrysocolla
WORK
DONE: Geological,Drilling,Geochemical
DIAD 1556.0 m 6 hole(s);NQ
GEOL 150.0 ha
Map(s) - 1; Scale(s) - 1:200
SAMP 1491 sample(s) ;AU,AG,CU
RELATED
REPORTS: 18686
MINFILE: 104G 017

Report on
1990 PHASE I MAPPING AND DRILLING
on the
COPPER CANYON PROPERTY
NORTHWESTERN BRITISH COLUMBIA
LIARD MINING DIVISION

NTS 104 G / 3W
57° 07' North Latitude
131° 21' West Longitude

for

CONSOLIDATED RHODES RESOURCES LTD.
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Vancouver, B. C. V6C 2X4

by

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October 15, 1990

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SUMMARY

The Copper Canyon Property is located within the rugged Coastal Mountains 380 kilometers northwest of Smithers, British Columbia. It is accessible only by helicopter.

The Copper Canyon Property comprises eight full-sized two-post claims covering a south facing, rugged and deeply incised (i.e. Doghouse Creek and Copper Canyon) mountainous slope and a portion of a valley glacier (i.e. Copper Canyon Glacier) to the south.

The property covers an alkalic porphyry Cu-Au-Ag system on which previous work was carried out by Canamax Resources Inc. (formerly American Metal Company, Ltd.). This work comprised 3,311 feet (1,009.2 metres) of AX diamond drilling in seven holes and limited mapping and sampling in 1957, airborne magnetic surveying in 1962, limited induced polarization surveying and soil sampling in 1964 and 1966, claim surveying in 1965 and limited rock chip sampling in 1988. Based on this work, an inferred geological reserve was previously reported by Canamax on very limited drilling and surface information of approximately 29,800,000 tons grading 0.72% copper, 0.30 ounces silver per ton and 0.012 ounces gold per ton.

Under the terms of an agreement with Canamax Resources Inc., Consolidated Rhodes Resources Ltd. carried out a 1990 Phase I program of geological mapping and 5,105 feet (1,560.8 metres) of confirmation, definition and fill-in NQ diamond drilling in six holes to confirm previous drill results and to better define one of the mineralized zones (i.e. Western Copper Zone).

The property is regionally situated within a belt of late Paleozoic-Mesozoic island arc volcanics and associated plutons and sediments within the Stikine Arch east of the Coast Range batholithic complex. It is located approximately 9 1/2 kilometers east of the Galore Creek alkalic porphyry

deposit with reported reserves of 125,000,000 tons grading 1.06% copper, 0.25 ounces silver per ton and 0.013 ounces gold per ton. This deposit is associated with a suite of Upper Triassic-Middle Jurassic alkalic intrusives (Galore Creek Intrusions) emplaced into a coeval volcanic pile (Stuhini Group), a complex north-south faulted zone and a central probable intrusive hydrothermal breccia body.

The Copper Canyon Property largely covers a gossanous Upper Triassic to Middle Jurassic alkalic porphyry Cu-Au-Ag system north of the Copper Canyon Glacier. The system is associated with an irregular NE-SW elongate and southwesterly splayed, intensely fractured stock-like composite body of pre- and intra-mineral alkalic intrusions (i.e. Copper Canyon Intrusions correlated with the Galore Creek Intrusions), that either dip or are indicated to plunge moderately to steeply to the northeast and that have the general surface form of an inverted irregular U-shaped mass. These intrusions are emplaced into a gently to moderately northwesterly dipping co-magmatic alkalic volcanic sequence (i.e. Stuhini Group) along the footwall side of a moderately easterly dipping pre-alkaline intrusive thrust fault. These rocks are complexly faulted by a system of NE-SW and NNW-SSE faults associated with the arms of the U-shaped intrusive mass. Thrust plate rocks comprise an overturned moderately easterly dipping sequence of probable Upper Triassic Stuhini Group volcanics adjacent the thrust which are progressively overlain or fault juxtaposed to the east by a Middle Triassic assemblage of black shale, cherty mudstone and chert and Permian limestone. Most of the movement on the thrust fault is indicated to be pre-alkalic complex. Narrow felsic to intermediate and locally lamprophyre post-mineral Tertiary dykes trending NE-SW to NS and WNW-ESE and steeply dipping occur locally within and outside to the northeast and west of the property. They particularly occur within or near the Western and North Copper Zones, as described below, and include a few curvilinear dykes extending fully across the mineralized alkalic complex and into thrust plate rocks with limited offsets due to post-emplacement movement on the thrust.

The porphyry mineralized system centered within the property consists of three large, interconnected tabular, arcuate or ring-shaped Cu-Au-Ag mineralized zones (i.e. Western, Eastern and North Zones), each measuring up to 2,000 feet (610 metres) long and 900 feet (274 metres) wide, that are distributed in the general form of a northeast-southwest oriented inverted, irregular U-shaped mineralized area associated with the similarly distributed alkalic intrusive complex. Irregularities in the inverted U-shaped form of both mineralized zones and the alkalic complex include an extension to the north along the footwall of the thrust fault from the upper portion of the U-shaped feature and a smaller lower arm. Major NE-SW trending, moderately to steeply outward dipping, normal fault structures (i.e. West and East Faults) follow the inner side of the U-shaped mineralized area and commonly define the footwall of concordantly dipping mineralized zones. Other similarly trending normal faults tend to occur in the vicinity of the hanging wall side of the Western and North Copper Zones. Also, a system of apparent strike-limited NNW-SSE trending and steeply easterly dipping faults occur within the northern arm of the U-shaped intrusive complex and are spatially associated with the Western Zone and the southeastern portion of the North Zone which occurs along strike to the northeast from the Western Zone. Both the North and Eastern Zones are hosted in the alkaline intrusive complex (i.e. North Stock); whereas, the Western Zone is dominantly hosted in alkaline volcanic rocks, although it is spatially related with a number of intrusive phases including a pre-mineral small central plug of altered syenite and intrusive breccia and a strike-limited NNW-SSE trending intra-mineral syenite megaporphyry dyke swarm. All mineralized zones are open along strike to the southwest and at depth to the northeast.

The Western, Eastern and North Copper Zones are characterized by fracture controlled and disseminated chalcopyrite (i.e. generally 1% to 3% and locally up to 10%) and pyrite (i.e. 1% to 3%) with related gold and silver values in association with pink, orange and brick-red K-feldspar flooding and biotitization with common fine specular hematite and minor fluorite. Wide-spread malachite occurs in all zones on surface and local pads of malachite-azurite-chrysocolla with black copper oxides occur locally in the Western Zone.

1990 drilling in the Western Zone has also identified i) an extensive, pervasive and fracture controlled garnetized zone, with associated K-feldspar and biotite and locally associated light-colored calc-silicate altered and/or silicified zones, at depth adjacent or near to the footwall of the mineralized zone and ii) widespread and abundant late anhydrite filled fractures, particularly at depth within the garnetized zone and within intra-mineral syenite dykes, that locally contain chalcopyrite and less frequently galena and sphalerite with associated fluorite, calcite and zeolites. Best copper mineralization and most intense K-feldspar flooding and biotitization encountered to date occur on surface and at depth in the Western Zone, and to a lesser extent in the southwestern portion of the Eastern Zone and in the southeastern portion of the North Zone along strike the Western Zone. Mineralized zones i) are centered within a larger outer peripheral zone of pyritization (i.e. 1% to 3% pyrite; up to 5% to 10% pyrite occurs in zones overlapping the outer margins of the copper zones) with associated weaker K-feldspar flooding and biotitization that essentially encompasses the U-shaped alkaline intrusive complex and extends to the southwest beneath the Copper Canyon Glacier and ii) surround an inner pyritized region (i.e. 5% to 15% pyrite that also occurs overlapping the inner margins of the copper zones) with associated K-feldspar flooding, biotitization and argillic alteration. The latter principally occurs along the footwall sides of the East and West Faults adjoining the copper zones. Outwards, the pyritized zone is followed by widespread earthy hematitized and propylitic altered (i.e. chlorite, carbonate and minor epidote) rocks to the northwest, north, northeast and southeast.

Results from six Phase I holes drilled in the Western Zone are as follows:

1. Confirmation holes (i.e. four holes drilled in the Western Zone) established that where previous drilling recoveries were good, fair comparisons of Cu, Au and Ag values were obtained (i.e. 90 DDH 1 and 2) except that higher grade gold zones were not detected in the previous drilling. Also, confirmation holes drilled at previous sites (i.e. 90 DDH 3 and 4) where recoveries were exceptionally poor (i.e. 0 to 55% recovery) established that

the previous drilling is inconclusive and should not be relied upon for either logging information or for assay data. Recoveries in 1990 drill holes from these sites were all plus 98%.

2. Drill results from all holes in the Western Zone indicate a substantial NE-SW trending tabular and steeply NW-dipping Cu-Au-Ag zone measuring up to 625 feet (191 metres) wide. The zone has been drill traced to depths of up to 900 feet (274 metres) and along strike for 1,100 feet (335 metres). The zone is open in all directions.

3. Drilling has indicated that the Western Zone consists of a series of probably sub-parallel, inter-connected, irregular Cu-Au-Ag mineralized sheets, concordant with the general attitude of the zone, with grades $\geq$ 0.5% copper equivalent (i.e. based on 0.01 ounces gold per ton equivalent to 0.15% copper), drill core lengths of up to 898 feet (274 metres) and true widths ranging from 10 to 475 feet (3.0 to 145 metres). Best copper grades tend to occur in more intensely K-feldspathized and biotitized rocks spatially associated with intra-mineral syenite megaporphyry dykes.

4. Gold distribution in the Western Zone is widespread. It tends to occur in two modes: one sympathetic with either K-feldspar-copper or garnet-copper zones and the other in association with footwall pyrite. Gold has likely been introduced in two stages, one with the main period of alteration and copper mineralization and the other with probably slightly later footwall pyrite. Several gold zones with $\geq$ 0.10 ounces gold per ton along drill core lengths of 5.0 to 22.0 metres (16.4 to 71.5 feet) were intersected in the drill holes.

Based on the highly favourable results of the Phase I program, the Copper Canyon property is concluded to have excellent potential for substantial porphyry-type Cu-Au-Ag reserves with a cutoff $\geq$0.5% copper equivalent within

the Western and Eastern Copper Zones and along possible extensions of both to the southwest and of the former to the northeast, particularly at depth. Accordingly, a 1990 Phase II Program is recommended, as follows:

Surface Evaluation: Trenching and rock chip and soil geochemical sampling is proposed in order to evaluate and signature known mineralized zones and to investigate for possible extensions.

Diamond Drilling: A follow-up program comprising 10,000 feet (3,048 metres) of drilling in nine holes is proposed in order to i) better define the Western Zone, including testing the footwall pyrite zone and evaluating potential extensions along a strike length of 1,550 feet (472 metres), and to ii) test the Eastern Copper Zone.

Estimated cost of the above recommended program is $977,500.00.

INTRODUCTION

The Copper Canyon Property comprises claims covering an alkalic porphyry copper-gold-silver system located near the Galore Creek Deposit in northwestern British Columbia. Previous drilling and surface evaluation carried out on the property indicated substantial potential, although drill core recoveries were very poor and surface work was limited.

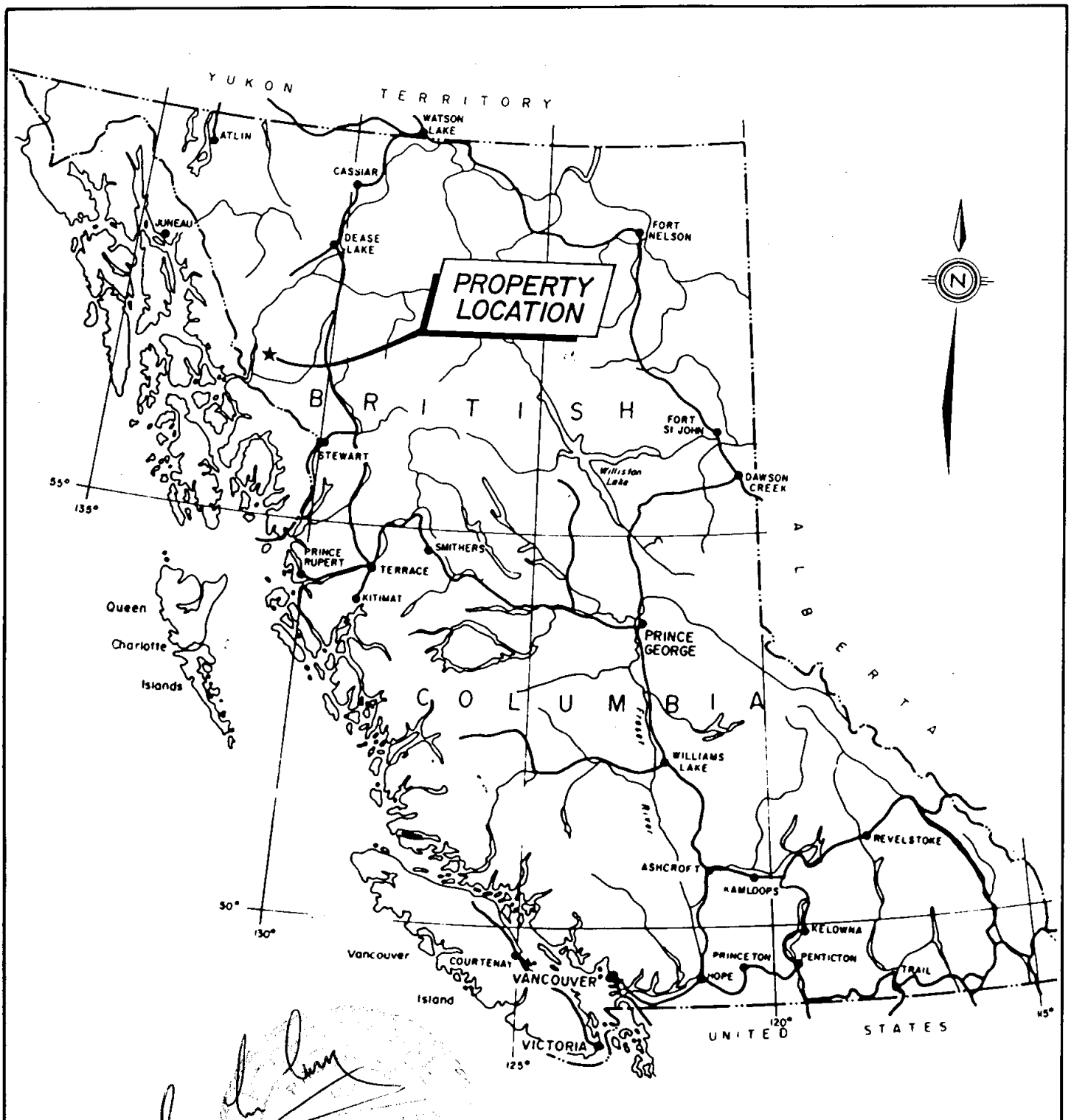
This report summarizes a Phase I mapping and drilling program carried out on the property by Consolidated Rhodes Resources Ltd. during August 11 to September 23, 1990 under the terms of an agreement with Canamax Resources Inc.

Project management for the above program was provided by Prime Explorations, a division of Prime Equities Inc., who subcontracted field project management to GML Minerals Consulting Ltd.

LOCATION, ACCESS AND PHYSIOGRAPHY

The Copper Canyon Property is located within the rugged Boundary Ranges of the Coast Mountains approximately 160 and 380 kilometers respectively northwest of Stewart and Smithers and 93 kilometers south of Telegraph Creek (Figure 1). It is situated on the north side of the east arm of the headwaters of Galore Creek, which flows northerly into the westerly flowing Scud River which, in turn, drains into the south flowing Stikine River 34 kilometers northwest of the property (Figure 2). Extensive valley and alpine glaciers and snowfields are characteristic of the region.

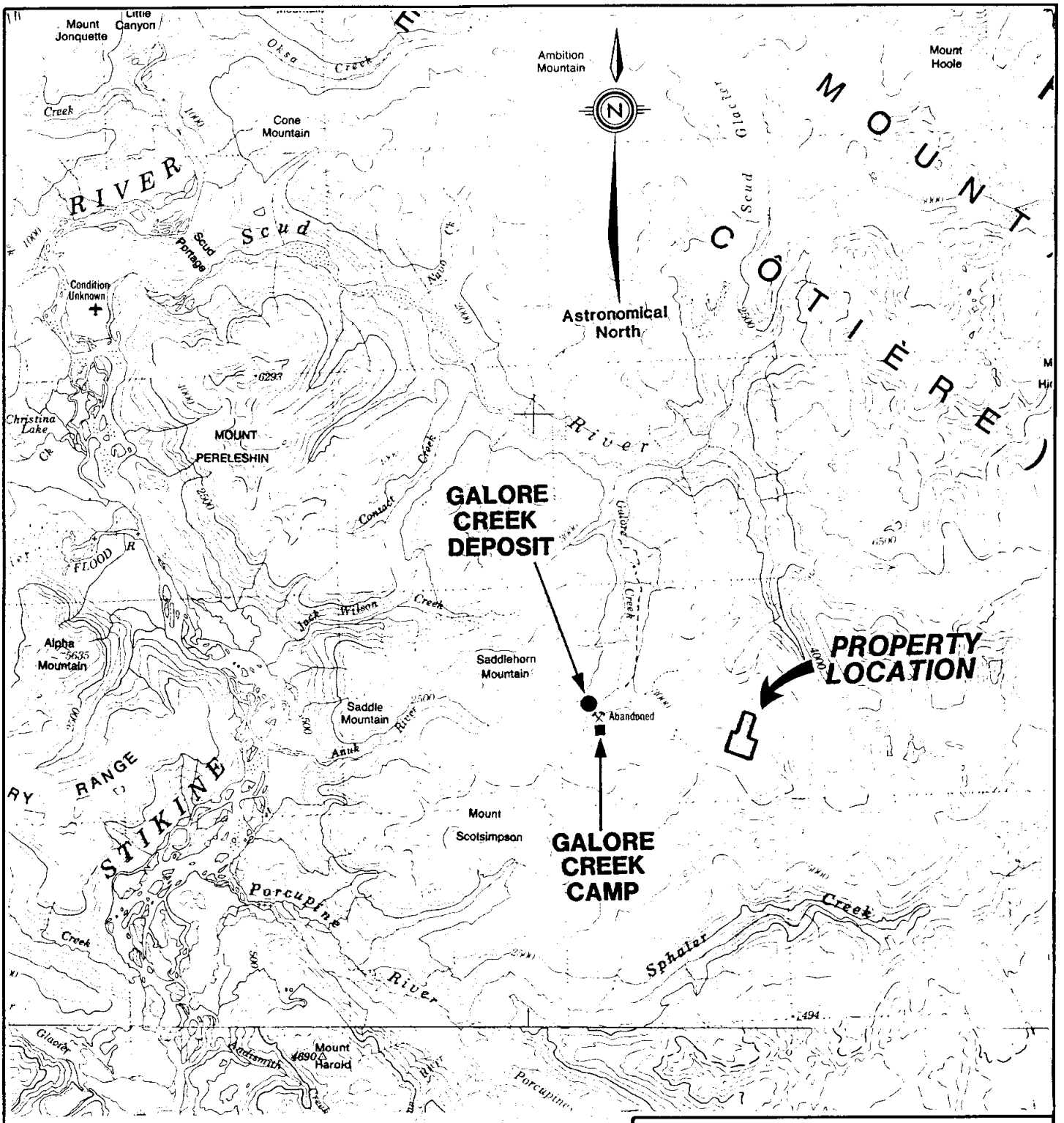
Access to the property is provided by helicopter from either the Galore Creek camp (Alfredo's) and airstrip located 6 1/2 kilometers to the west, Bronson airstrip located 31 1/2 kilometers to the southsoutheast, Bob Quin airstrip located 68 kilometers to the east, Calpine Resources Ltd. camp located 76 kilometers to the southeast or Wrangell, Alaska, located 100



Km 0 100 200 300 400 500 Km

MILES 0 50 100 200 300 MILES

CONSOLIDATED RHODES RESOURCES LTD.	
COPPER CANYON PROPERTY	
GENERAL LOCATION MAP	
GML MINERALS CONSULTING LTD.	
Drafted By: Enersource	Scale:
Date: Oct., 1990	FIGURE 1
Revised:	



Modified after Energy, Mines and Resources Canada Maps 104G and 104 B & C

CONSOLIDATED RHODES RESOURCES LTD.

COPPER CANYON PROPERTY

LOCATION MAP

GML MINERALS CONSULTING LTD.

Drafted By: Enersource	Scale: 1:250,000
Date: Oct., 1990	FIGURE 2
Revised:	

kilometers to the southwest. Fixed wing access is provided to each of the above airstrips from Smithers or Wrangell. Bob Quin airstrip is accessible by road from Smithers. Access during the current program was provided by all of the foregoing at various times, however, daily access was provided by helicopter from the Galore Creek camp, where field crews and supplies were based. In addition, a core logging facility and crew shelter was provided on-site on the property.

The Copper Canyon property covers the lower portions of a steep south facing slope, incised by two streams--Doghouse and Copper Canyon Creeks--and a portion of the Copper Canyon valley glacier and associated lateral moraine deposits extending along the south margin of the claims. The topography of the claims is rugged, however, all areas are accessible except for local steep, highly fractured rock faces. Relief ranges from 3,550 feet (1,082 metres) on the Copper Canyon glacier to 5,500 feet (1,676 metres) at the northeast corner of claim CC-14.

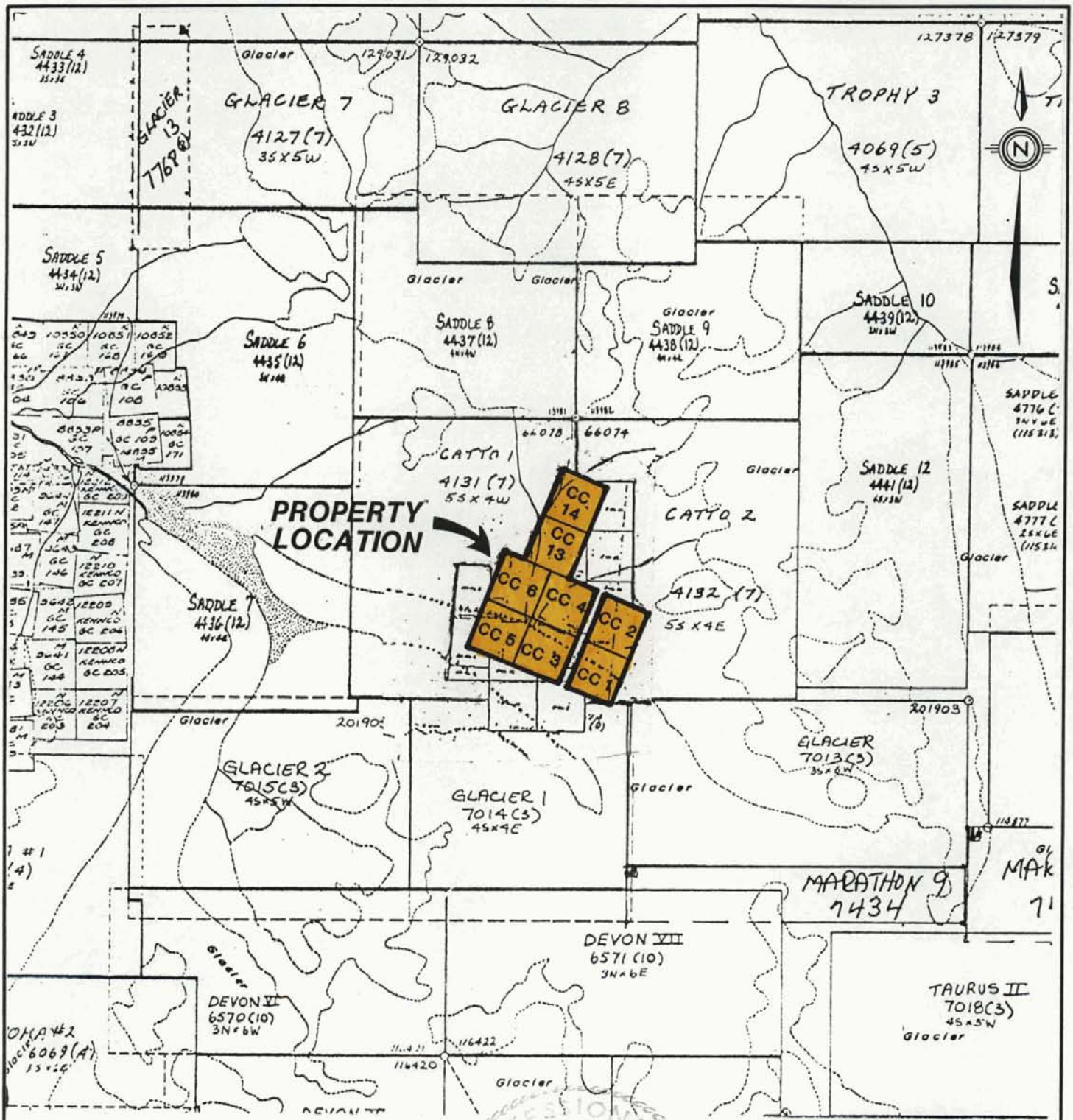
The property occurs entirely above treeline with gentler slopes along ridges between creeks covered by Alpine shrubs, grasses and flowers, whereas steeper slopes provide excellent outcrop exposures.

PROPERTY CLAIMS

The Copper Canyon Property consists of eight two-post mineral claims held in the name of Canamax Resources Inc. (Table 1; Figure 3). The location of the claims, as illustrated on maps herein, is based on the following:

1. Property survey maps by Underhill and Underhill dated September 17, 1965;

2. Confirmation survey map of aluminum survey pegs, etc. as per the above survey and tie-in to 1990 drill holes by McGladrey and Associates, dated October 23, 1990;



Modified after B.C. Dept. of Mines and Petroleum Resources Claim Map M104G/3W

0 1 2 3

Kilometres

CONSOLIDATED RHODES RESOURCES LTD.

COPPER CANYON PROPERTY

CLAIM MAP

GML MINERALS CONSULTING LTD.

Drafted By: Enersource	Scale: 1:50,000
Date: Oct., 1990	FIGURE 3
Revised:	

TABLE 1

SCHEDULE OF CLAIMS

Claim Name	Record Number	No. of Units	Record Date	Anniversary Date
C.C. #1	4546	1	August 29, 1956	August 29, 1991
C.C. #2	4547	1	August 29, 1956	August 29, 1991
C.C. #3	4548	1	August 29, 1956	August 29, 1991
C.C. #4	4549	1	August 29, 1956	August 29, 1991
C.C. #5	4550	1	August 29, 1956	August 29, 1991
C.C. #6	4551	1	August 29, 1956	August 29, 1991
C.C. #13	4538	1	August 26, 1956	August 26, 1991
C.C. #14	4539	1	August 26, 1956	August 26, 1991

3. Personal examination of above referenced survey pegs.

Consolidated Rhodes Resources Ltd. has entered into an earn-in agreement with Canamax Resources Inc. whereby Rhodes can earn an interest in the property.

PREVIOUS WORK

A summary of previous work carried out on the Copper Canyon Property by David A. Caulfield in "Qualifying Report on the Copper Canyon Project" dated July, 1990 is as follows:

> "The C. C. claims were staked in August, 1956 by the American Metal Co. Ltd., (which through several corporate restructurings has become Canamax Resources Inc.) to cover prominent gossans and malachite staining. Geological mapping, chip sampling and diamond drilling were carried out in 1957 (Dobell, 1957). Seven holes totalling 1,009 metres of BQ and AQ core were drilled on the C.C. #2 through #5 claims in 1957; Hole 57-2 was drilled across the claim gap between C.C. #2 and #4 (Dobell et al, 1967). Based on this drill program, Dobell and Spencer (1958) estimated reserves on the C.C. #2, 4, 5 and 6 claims of 27 million tonnes grading 0.72% copper, 0.43 grams per tonne (0.012 oz/ton) gold and 10.3 grams per tonne (0.30 oz/ton) silver. It should be noted that these reserves were based on four drill holes (57-1, 57-2, 57-5 and 57-7) and poor core recovery and the unreliability of surface data due to surface weathering makes these reserves an estimate at best. In addition, this calculation does not take into account the claim gap between the C.C. #2 and #4 claims.
>
> In 1962, an airborne magnetometer survey (Varian type) was flown over Copper Canyon by Newmont Mining Corporation of Canada on behalf of Southwest Potash Corporation (Norman, 1962). A magnetic high was found to be associated with the Copper Canyon syenite and Norman further concluded that the syenite is a steep, easterly dipping body as the western margin of the anomaly is abrupt.
>
> Induced polarization surveys were carried out in 1964 and 1966 over the Copper Canyon property, defining anomalous chargeability over an area of 450 metres by 500 metres (Bell and Hallof, 1966). At this same time, a total of 151 contour soil samples were collected and analyzed for copper and molybdenum. The sample results were very anomalous as the samples were mostly taken in areas of known copper

mineralization (Snively, 1966). In 1964, Ridgeway W. Wilson and Associates conducted exploration on the adjoining Penny claims on behalf of the Racicot Syndicate. This work consisted of geological mapping and trench sampling (Naylor, 1964), a petrographic study (Carswell, 1964) and a ground magnetometer survey (Falconer, 1965).

The property remained dormant until 1988 when Canamax Resources Inc. re-examined the Copper Canyon property for its gold potential (Hitchins, 1988). Twenty-seven rock samples were collected during this survey, five of which returned gold assays in excess of 1.0 grams per tonne. During the summer of 1988, five rock samples from the Copper Canyon property were submitted for analysis by the Ministry of Mines, Energy and Petroleum Resources as part of a regional mapping program in the Galore Creek area; two of these samples contained gold values in excess of 1,800 parts per billion (Logan et al, 1989).

In 1989, an airborne geophysical survey was conducted over the neighboring Trophy project. It covers the entire Copper Canyon property with VLF-EM, magnetometer and resistivity surveys on 100-metre line spacings (Aerodat, 1990). No other work has been recorded on the Copper Canyon property."

In addition to the above, the claims were surveyed in 1965 by Underhill and Underhill.

1990 PHASE I PROGRAM

During August 11 to September 23, 1990 a Phase I Program was carried out on the Copper Canyon Property by Consolidated Rhodes Resources Ltd. This program consisted of the following:

1. Detailed geological mapping of the property was carried out by the writer at a scale of 1 inch equals 200 feet utilizing a topographic base map prepared from air photos by the American Metal Company Limited in 1957 and enlarged 1:50,000 scale maps for peripheral areas. It should be noted that based on subsequent survey data the topographic base, and hence all elevation data given on maps and sections herein, is approximately 163 feet (49.7 metres) too high.

2. 5,105 feet (1,560.8 metres) of NQ diamond drilling in six holes were completed in the Western Copper Zone, utilizing a Longyear 38 wireline drill, as follows:

a) two holes (i.e. 90 DDH 1 and 2) were drilled to confirm and better define a mineralized zone tested by previous drill holes CC-57-5 and -7 where substantial copper values with associated gold and silver were previously encountered and good core recovery was obtained;

b) two holes (i.e. 90 DDH 3 and 4) were drilled to test previous drill holes (i.e. CC-57-1 and -3) which intersected local good copper values (i.e. CC-57-1 bottomed in high-grade copper) with associated gold and silver along strike CC-57-5 and -7 and to better define the mineralized zone; and

c) two holes (i.e. 90 DDH 5 and 6) were drilled as fill-in holes on Section 4+00N to test and define the mineralized zone between drill holes 90 DDH 1 and 2 on Section 0+00N and drill hole 90 DDH 4 on Section 6+50N.

3. All drill core was split in 1.0 metre intervals and assayed for gold, silver and copper.

4. Surveying of 1990 Phase I drill hole collars and tie-in to previously surveyed claims.

REGIONAL GEOLOGY AND MINERAL DEPOSITS

The Copper Canyon Property contains an alkalic porphyry-type Cu-Au-Ag deposit that is located in the Galore Creek area along the south flank of the Stikine Arch within the Intermountain Belt, east of the Coast Range batholithic complex. The region of the property is dominated by deformed Mississipian to Middle (?) Jurassic island arc volcanic and sedimentary strata intruded by co-eval subvolcanic plutons, Jurassic to Tertiary satellitic Coast Range batholithic plugs and Tertiary acid to intermediate stocks and dykes.

In particular, the Copper Canyon property is situated within and associated with a curvi-linear belt of bi-modal calc-alkaline and alkaline Upper Triassic-Lower Jurassic Nicola-Takla-Stukini volcanic assemblages and comagmatic plutons and associated porphyry Cu-Mo and Cu-Au-Ag deposits respectively that extends along the Intermountain Belt from south of the British Columbia-Washington border along Quesnel Trough through the Stikine region and into the Whitehorse Trough, Yukon Territory. Several major alkalic porphyry deposits ranging in age from 175 to 201 million years associated with alkalic stocks, dykes and intrusive breccias controlled by north to northwest trending major fault structures are known along this belt including Copper Mountain-Ingerbelle, Afton, Cariboo Bell, Lorraine, Gnat Lake and Galore Creek deposits (Barr, D. A., et. al., CIMM Spec. Vol. 15, 1976). These deposits tend to occur in regions of fault intersections and are controlled by fractured and/or brecciated zones. Deposits typically show co-extensive alteration products and sulphides and often lack the classic zoning of calc-alkaline porphyries due to the absence or poorly developed nature of phyllic and argillic zones. Also, alteration zoning patterns tend to be assymetric as opposed to symmetrical and concentric typical of calc-alkaline deposits. Potassic flooded (i.e. K-feldspar and biotite) core zones and propylitic altered (i.e. chlorite, epidote and albite) peripheral zones are typical of the alkalic deposits. Copper zones (i.e. chalcopyrite and minor bornite with gold and silver values) usually occur central to the alteration systems although in some cases they occur within the propylitic zone. Sulphides typically occur as fracture fillings, disseminated grains, massive lenses and pods and in breccias. Magnetite is commonly associated with these systems and may either coincide with sulphide zones or occur peripheral to the copper zones. Calc-silicate alteration products, including andradite to grossularite garnets with associated gypsum and anhydrite, occur within the potassic zones at Galore Creek, whereas, scapolite is commonly in the propylitic altered copper zones at Ingerbelle. Of the Cordilleran alkaline deposits known, Galore Creek and Ingerbelle are the largest, respectively containing

125,000,000 metric tons grading 1.06% copper, 0.25 ounces silver per ton and 0.013 ounces gold per ton and 97,000,000 metric tons (i.e. past production and current reserves) grading 0.71% copper, 0.05 ounces silver per ton and 0.005 ounces gold per ton.

In the Stikine River area, a north-northwesterly trending belt of Early to Middle Jurassic alkalic plutons has been traced for about 250 kilometers along the east flank of the Coast plutonic complex (Barr, D. A., et. al., 1976; CIMM Spec. Vol. 15). Centered within this belt is the alkalic Galore Creek Intrusions, clustered from Copper Canyon westerly to west of Galore Creek over a distance of 12 kilometers, and the associated Upper Triassic Stuhini Group comprising alkalic volcanic flows and fragmentals and distal volcaniclastic and sedimentary turbidites which define a volcanic edifice centered on the Galore Creek area (Monger, 1977; Figure 4).

Structures in the Galore Creek area are dominated by upright north-south to northwest-southeast and locally east-west trending, open to tight folds in stratified rocks and by a complex system of faulting involving major generally north-south trending normal to reverse faults, respectively associated with the Galore Creek and Copper Canyon deposits, and other associated east-west, northwest-southeast and northeast-southwest trending fault structures. According to Caulfield, D. A., 1990,

> "North-striking faults are vertical to steeply east-dipping and parallel to the Mess Creek Fault (Souther, 1971), which was active from Early Jurassic to Recent times (Souther and Symons, 1974). Northwest-striking faults are probably coeval with the north-striking faults, but locally pre-date them. East-west trending faults are vertical or steeply dipping to the north and have normal-type motion on them (i.e. north-side down), whereas northeast-striking faults are the loci of left lateral strike-slip motion (Brown and Gunning, 1989a)."

The Galore Creek and Copper Canyon deposits and several other smaller porphyry-type prospects and peripheral base-precious metal mineralized veins, shear zones and skarns are associated with the Galore Creek Intrusions. The Galore Creek deposit (i.e. Central Zone) is a NNE-SSW trending elongate copper mineralized zone measuring 1,950 metres (6,398 feet)

LEGEND

(To Accompany Figure 4)

QUATERNARY

Qal Unconsolidated glacial till and poorly sorted alluvium

EARLY TO MIDDLE JURASSIC

Galore Creek Intrusions

emJGs Syenite, orthoclase porphyritic monzonite

UPPER TRIASSIC

Stuhini Group (Where undivided denoted as uTSv)

uTSs Siltstone, sandstone, conglomerate, minor limestone

uTSt Well-bedded green and maroon lapilli-ash tuffs and epiclastics

uTSp Pyroxene-porphyry flows and fragmentals

uTSb Intermediate to mafic fragmentals, breccia, tuff, lahar

MIDDLE TRIASSIC

mTs Carbonaceous silty shale with elliptical concretions, siliceous and limy siltstones

PERMIAN

Pl_1 Light grey massive to thickly-bedded buff, bioclastic calcarenite

Pe Foliated maroon and green epiclastics and lapilli tuffite

SYMBOLS

Geological contact (defined, approximate, assumed)

Unconformable contact (defined, assumed)

Bedding (horizontal, inclined, overturned)

Foliation

Fault (observed, inferred)

Thrust or high angle reverse fault (defined, assumed)

Anticline (direction of plunge indicated)

Syncline (direction of plunge indicated)

Minor fold axis. (S, Z, and M symmetry), lineation

Joint

Dyke

Vein

Limit of geologic mapping (limit of permanent snow and ice)

Macro Fossil locality (Indeterminate, positive identification) Ⓘ Ⓕ

Micro fossil locality Ⓒ

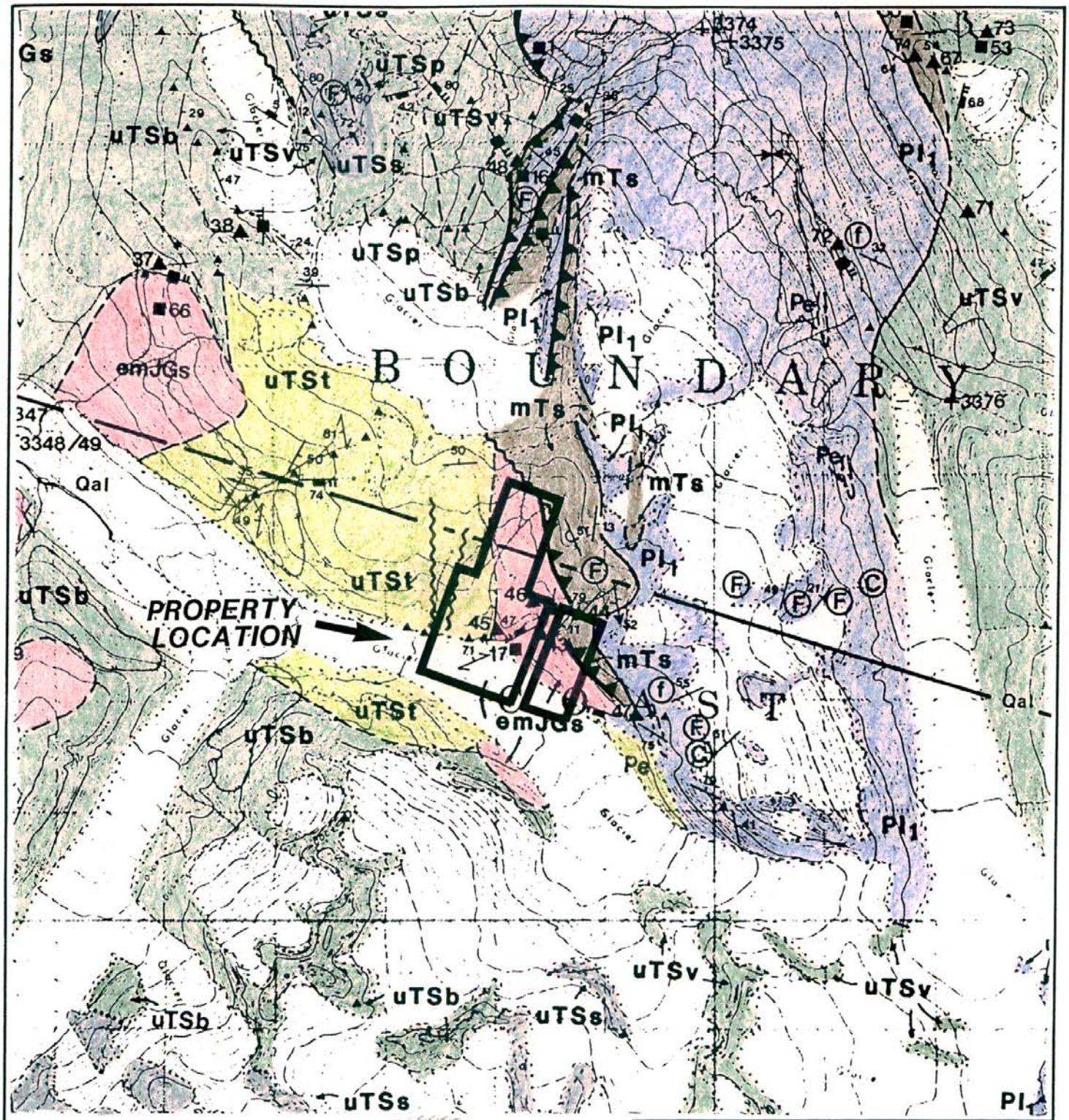
Isotopic age determination site Ⓐ

Assay sample site 14▲

MINFILE location 26■

Regional Geochem Survey sample site +1224

Massive outcrop visited



Geology from Logan et al (1989)

See following page for legend

0 1 2 3

Kilometres

CONSOLIDATED RHODES RESOURCES LTD.

COPPER CANYON PROPERTY

REGIONAL GEOLOGY

GML MINERALS CONSULTING LTD.

Drafted By: Enersource	Scale: 1:50,000
Date: Oct., 1990	FIGURE 4
Revised:	

long and up to 518 metres (1,699 feet) wide. The Central Zone is dominantly hosted in alkalic volcanic rocks and breccia and comprises a series of better grade, parallel, en echelon, longitudinal copper zones. It is spatially associated with a series of gently north to northeasterly dipping syenite porphyry and megaporphyry dykes along the east contact of a NNE-SSW trending syenite porphyry body, longitudinal steep to moderately west dipping fault structures focused along the margins of the deposit and a central, probable intrusive-hydrothermal, steeply dipping breccia pipe characterized by volcanic and minor syenite fragments in a garnet-biotite-anhydrite matrix. Widespread pervasive hydrothermal K-feldspar, biotite and garnet and fracture controlled anhydrite and associated gypsum are spatially associated with the copper mineralized zone. Also, extensive pyrite and magnetite zones partly overlap the copper mineralized zone, although they tend to occur respectively mainly to the east and west of the deposit.

PROPERTY GEOLOGY

INTRODUCTION

As only limited geological mapping of the property has previously been undertaken by the American Metal Company Ltd. (Amco) in 1957, detailed mapping was carried out in 1990 by the writer in order to better define the stratigraphy, intrusive complex, structure and most importantly sulphide zones and related alteration (see Figure 5).

Current mapping was undertaken at a scale of 1 inch equals 200 feet utilizing previous topographic maps prepared by Amco from air photos.

Mapping was greatly facilitated by extensive outcrop along the flanks and head of Copper Canyon, along the lower reaches of Doghouse Creek, along intermittent streams draining southwesterly into Doghouse Creek and at higher elevations around the northern, northeastern and western perimeter of the property.

The following sections on Property Geology include the results of the 1990 drilling (see Figures 6a to 6d inclusive).

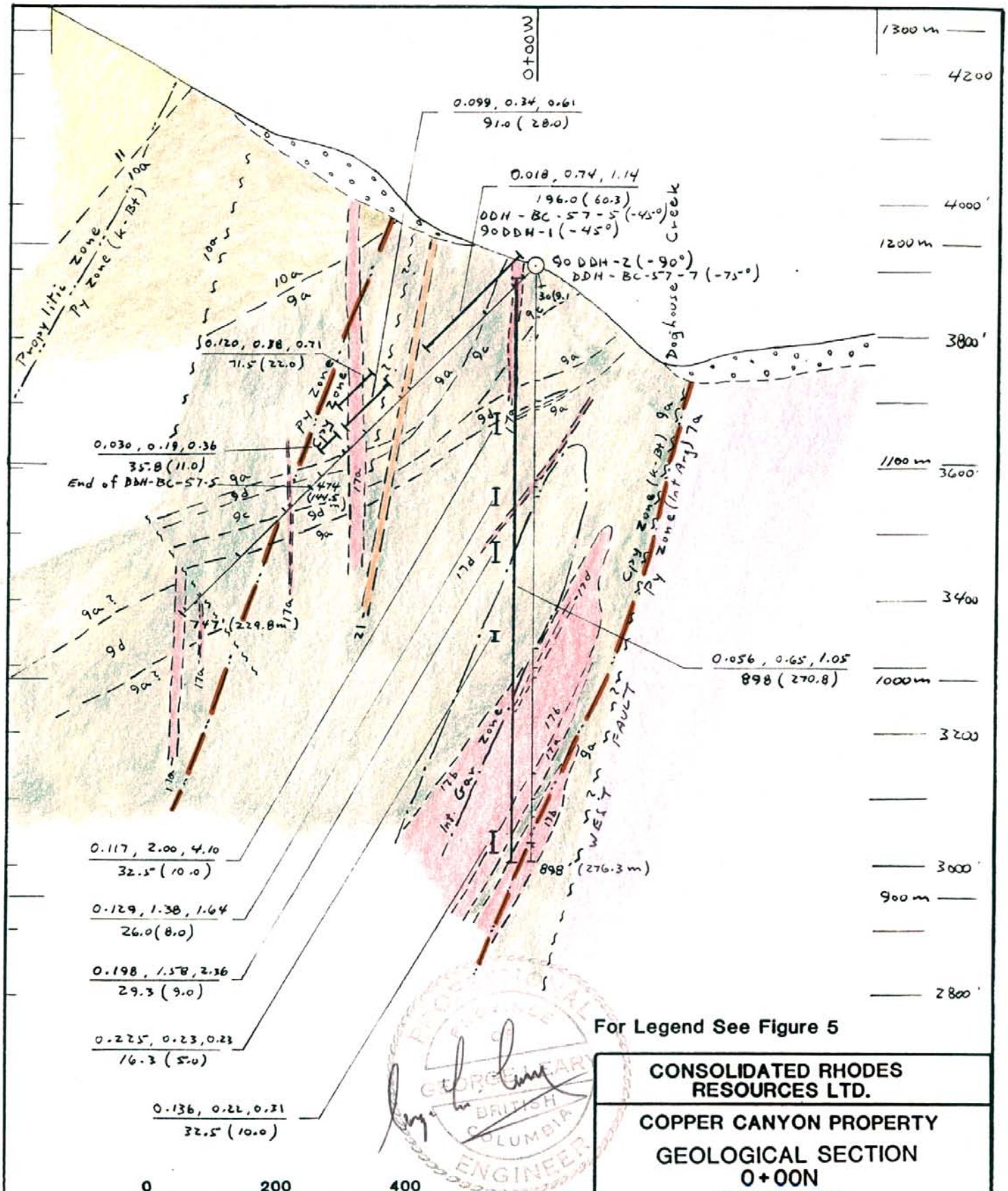
DESCRIPTION OF ROCK UNITS

The Copper Canyon Property is centered about and largely covers a Lower to Middle Jurassic composite alkaline intrusive stock and dyke complex (i.e. Copper Canyon Intrusions) with associated gossanous porphyry Cu-Au-Ag mineralized and altered zones (i.e. Western, Eastern and North Zones). These rocks are emplaced into a co-magmatic Upper Triassic alkalic volcanic sequence (i.e. Stuhini Group) largely along the footwall side of an easterly dipping thrust fault and concordant panel of overturned rocks including probable Stuhini Group volcanics, Middle Triassic shale and Permian limestone. Post-mineral Tertiary dykes locally intrude the above rocks.

A brief description of the various rock units is given below. Due to gossan development and alteration of the mineralized alkalic intrusive-volcanic complex, both of which are extensive and well developed, primary lithologies of rock units are in some cases not completely known; nevertheless, lithologic descriptions as given below are preferentially primary as far as is reasonably possible.

Thrust Plate

Thrust Plate rocks comprise an uppermost cliff forming and ridge capping unit of Permian limestone (Unit 1) exposed within the eastern portion of claim CC No. 2 and outside the eastern limits of the property to the north. The unit mainly consists of light-colored banded micritic limestone and calcarenite. This unit is underlain by a thick sequence, apparently thinning to the south, of Middle Triassic black weathering, recessive, carbonaceous black shale (Unit 2) containing highly contorted horizons of brown to rusty weathering, thin bedded, ankeritic cherty mudstone and ankeritic chert. This unit is either underlain in the south on claims CC No. 1 and 2 and off the property to the north or in fault contact to the west, east of the northeastern



For Legend See Figure 5

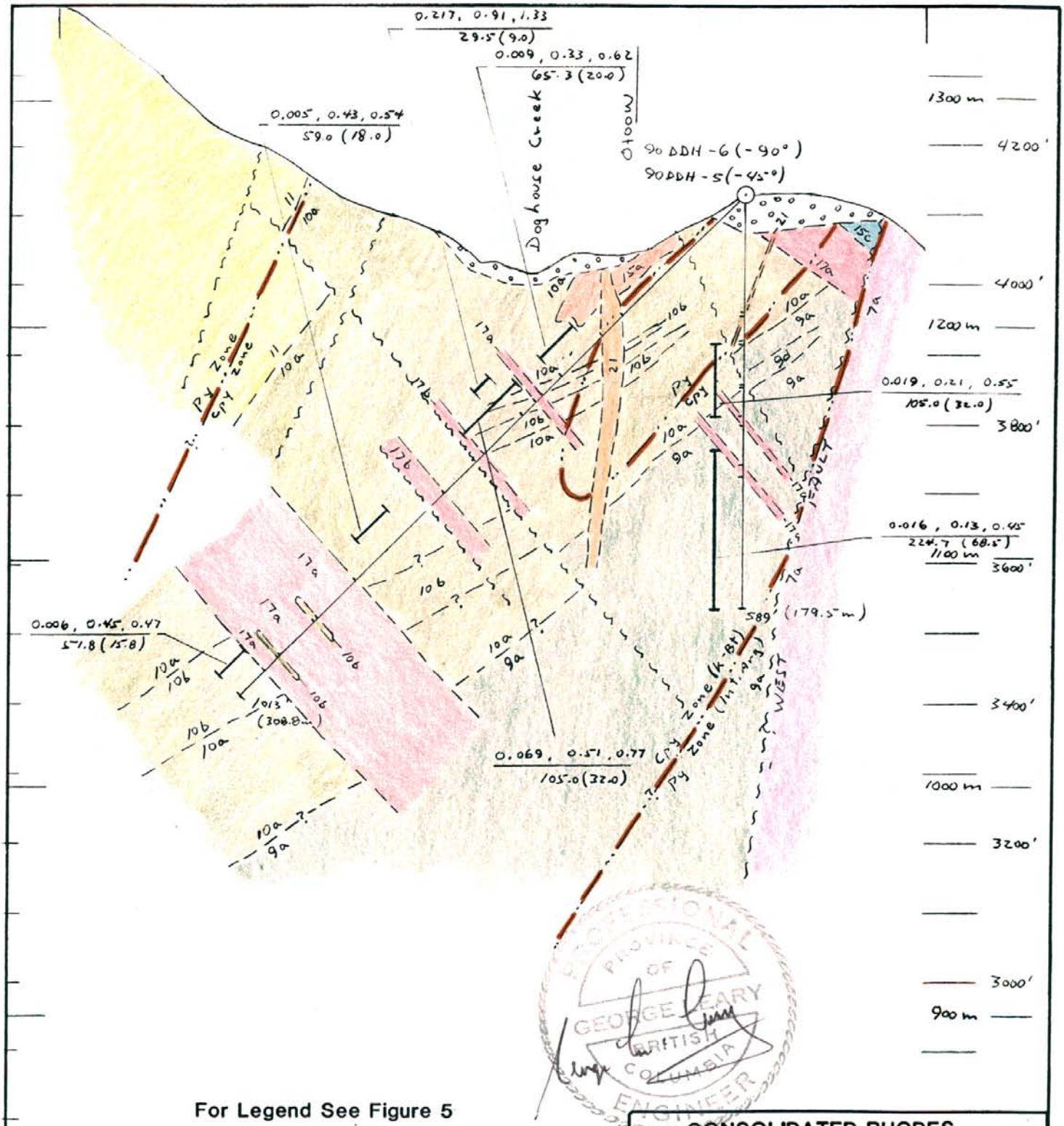
CONSOLIDATED RHODES RESOURCES LTD.

COPPER CANYON PROPERTY

GEOLOGICAL SECTION
0+00N
LOOKING NE

GML MINERALS CONSULTING LTD.

Drafted By: Enersource	Scale: 1 in.= 200ft.
Date: Oct., 1990	FIGURE 6a
Revised:	



For Legend See Figure 5

0 200 400
FEET

0 50 100
METRES

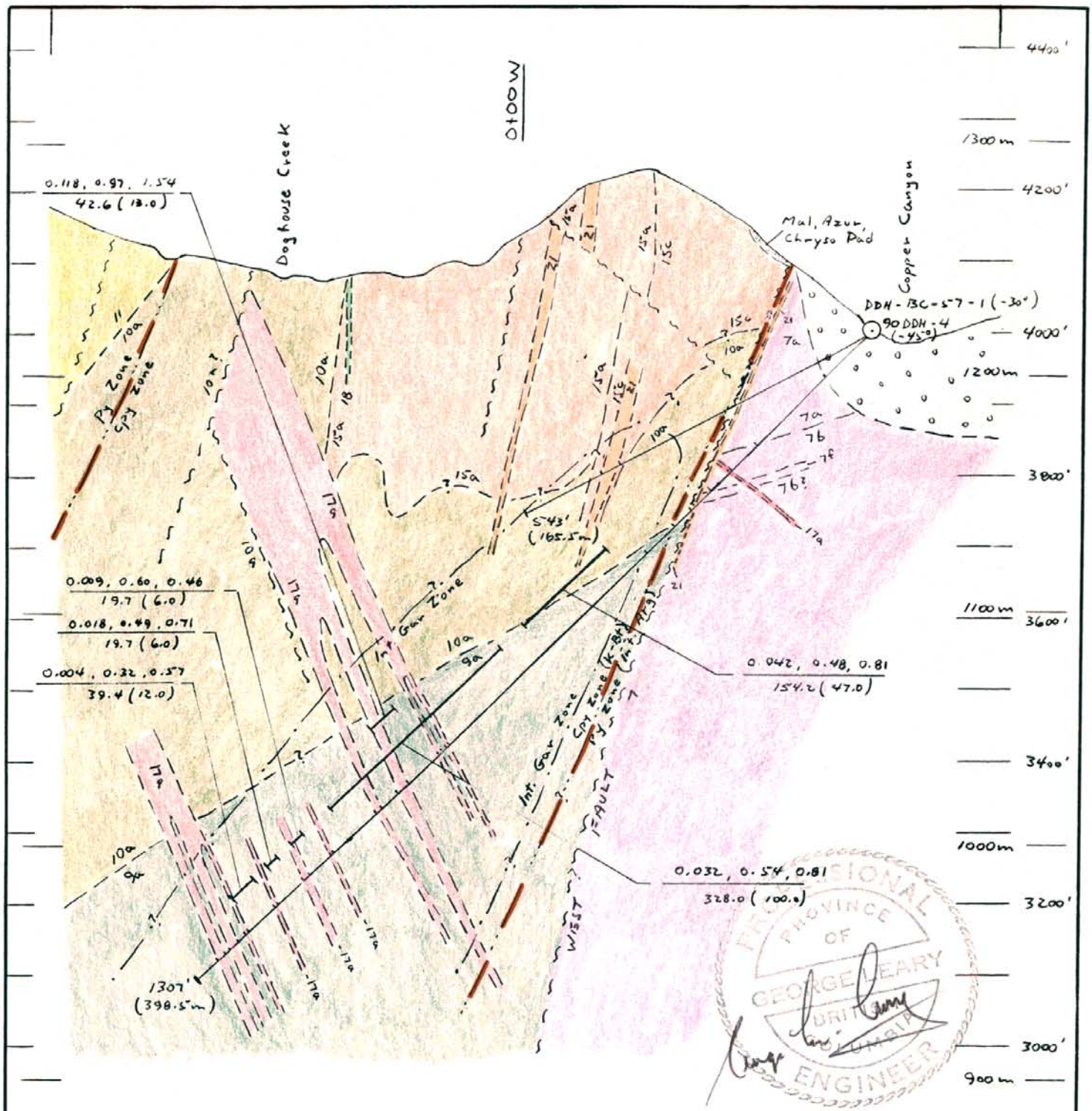
CONSOLIDATED RHODES RESOURCES LTD.

COPPER CANYON PROPERTY

GEOLOGICAL SECTION
4+00N
LOOKING NE

GML MINERALS CONSULTING LTD.

Drafted By: Enersource	Scale: 1 in.= 200ft.
Date: Oct., 1990	FIGURE 6b
Revised:	

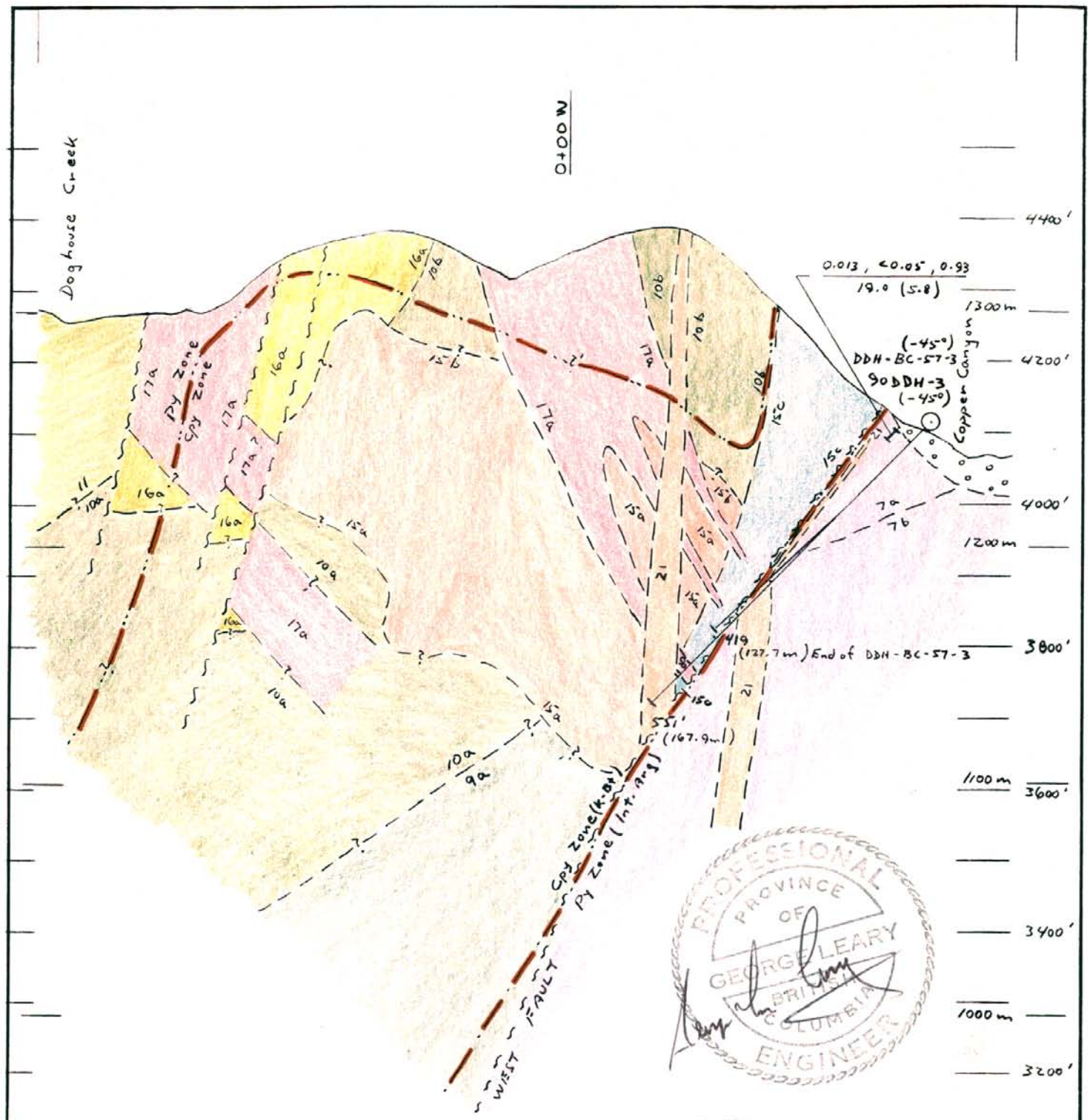


For Legend See Figure 5

0 200 400
FEET

0 50 100
METRES

CONSOLIDATED RHODES RESOURCES LTD.	
COPPER CANYON PROPERTY GEOLOGICAL SECTION 6+50N LOOKING NE	
GML MINERALS CONSULTING LTD.	
Drafted By: Enersource	Scale: 1 in.= 200ft.
Date: Oct., 1990	FIGURE 6c.
Revised:	



For Legend See Figure 5

0 200 400
FEET

0 50 100
METRES

CONSOLIDATED RHODES RESOURCES LTD.	
COPPER CANYON PROPERTY GEOLOGICAL SECTION 11+00N LOOKING NE	
GML MINERALS CONSULTING LTD.	
Drafted By: Enersource	Scale: 1 in.= 200ft.
Date: Oct., 1990	FIGURE 6d
Revised:	

margin of the property, with probable Upper Triassic Stuhini Group volcanics which, except for within the northern portion of claim CC No. 2, form the base of the thrust plate. Volcanic lithologic horizons within this unit generally strike northwesterly and are truncated at the thrust fault. The unit comprises an assemblage of alkalic volcanic horizons including a thick horizon of medium grained, crowded latite crystal tuffs (Unit 3), a single massive pink-brown trachyandesite flow unit (Unit 4), pink trachyte to pinkish-green trachyandesite medium-grained lapilli-ash tuffs and breccias with minor interbedded black shale and chert (Unit 5), and massive dark green basalt flows (Unit 6). This assemblage of probable Stuhini Group alkalic volcanics is similar, although significantly different, from the Stuhini Group as described below west of the thrust fault. That is, it contains a few unique lithologies (i.e. basalt and latite), appears better bedded and comprises generally thinner units and locally is interbedded with black shale and chert. It is likely a more distal equivalent of the Stuhini Group as exposed west of the thrust fault. Also, local lenses of undifferentiated banded micritic limestone (Unit Usl) occurring along the footwall side of the thrust are probably allochthonous Stuhini rocks.

Stuhini Group

The Stuhini Group, west of the thrust fault, consists of a gently to moderately northwesterly dipping (average of -30°) sequence of grey, maroon, brown and rusty brown weathering alkalic volcanic flows and fragmentals. The sequence is sub-divided into four main units, from bottom to top, comprising a Trachyte Tuff-Breccia Unit (≥150 metres thick; Unit 7), a Trachyandesite Unit (≥275 metres thick; Units 8 and 9), a Trachyte Flow Unit (±200 metres thick; Unit 10) and a thick Trachyte Fragmental Unit (≥600 metres thick; Units 11, 12 and 13). These units are briefly described below.

The Trachyte Tuff-Breccia Unit (Unit 7) occurs along and west of Copper Canyon Creek and on the south side of the ridge south of Copper Canyon Creek. The unit is in fault contact along the West Fault with probable younger Stuhini units to the northwest. It is a distinctive massive, grey-pink, crowded

K-feldspar, plagioclase crystal lapilli tuff unit (Unit 7a) that grades into trachyte tuff-breccia (Unit 7b) with common pink-orange massive to porphyritic trachyte fragments up to 2 1/2 centimeters across and smaller varicolored lithic volcanic fragments. These units grade into trachy-andesitic units (Unit 7c) with lesser K-feldspar clasts. Locally interbedded with these units are thin units of K-feldspar phyrric lath trachyte tuffs (Unit 7d), trachyte flows (Unit 7e) and green andesitic tuffs (Unit 7f). This unit is interpreted as the oldest volcanic unit exposed on the property due to the absence of correlative units higher in the section and the presence of local thin lath trachyte tuff and flow units both within the lower portion of Unit 9 (i.e. Unit 8) and within Unit 7 (i.e. Unit 7d).

The Trachyandesite Unit (Units 8 and 9) is exposed at the mouth of Doghouse Creek and has been intersected in several drill holes. It is juxtaposed Unit 7 to the southeast along the steeply northwest dipping West Fault, and conformably underlies other Stuhini units present to the northwest. The unit is typically a dark colored, massive tuff to breccia or agglomerate unit with massive and porphyritic pink to dark trachyte fragments up to 5 centimeters across (Unit 9a). The unit is often feldspathic with fine to medium grained crystal fragments in fragmentals or phenocrysts in flows of both pink K-feldspar and light colored plagioclase. It contains, within about 75 metres of its top, an interbedded suite up to 70 metres thick (i.e. 90 DDH 1 and 2) of K-feldspar phyrric pink-orange trachyte flows and tuff-breccias (Unit 9c), with typical large broken pink K-feldspar crystals up to 5 centimeters long, and pink porphyritic trachyte flows and fragmentals (Unit 9d). Also, local green andesitic units (Unit 9b) and pink K-feldspar lath trachyte flow breccias (Unit 8) occur interbedded in the unit.

The Trachyte Flow Unit (Unit 10) extends across the west central portion of the property. Based on surface mapping and drilling, the base of the unit strikes E-W west of 4+00N and NE-SW northeast of 4+00N. The unit (i.e. Unit 10a) is typically pink, and contains abundant medium to coarse grained, pink K-feldspar crystals. It tends to change along strike from dominantly flow

banded porphyritic trachyte flows and crystal-ash tuffs in the southwest to interbedded flows, tuffs, breccias and agglomerates in the main drill area (i.e. Western Copper Zone) to dominantly crystal-ash tuffs and epiclastics to the northeast (i.e. roof pendants within the North Stock). Also, within the main drill area the unit contains, near its base, an interbedded section of green andesite and dark trachyandesite flows and fragmentals (Unit 10b) which are on strike to the southwest from a larger body of massive andesitic tuffs and flows (Unit 10b) exposed northwest and west of 90 DDH 3. The unit locally contains syenite breccia fragments.

The Trachyte Fragmental Unit (Units 11, 12 and 13) is exposed within and outside the western margin of the property. The unit comprises a thick assemblage of dominantly trachytic fragmentals with a basal andesitic latite breccia (Unit 11) characterized by abundant green rounded to angular andesitic fragments up to 8 centimeters across (i.e., locally up to 15 centimeters) in a dark pink-grey feldspathic trachytic tuff matrix; a middle pink, maroon, orange and brown K-feldspar feldspathic trachyte fragmental unit with minor andesitic and green altered fragments (Units 12a, b, c, d and e); and an upper K-feldspar phyrric (i.e., K-feldspar clasts and phenocrysts up to 4 centimeters long) and leucitic (i.e., zoned rounded crystals up to 2 centimeters across) sequence of flow breccias and polymictic tuff-breccias and lapilli tuffs with locally common rounded syenite and monzonite breccia fragments and ubiquitous altered volcanic lapilli fragments containing disseminated magnetite.

Undifferentiated alkaline volcanics (Unit Usv) occur to the northwest of the above described sequence.

Copper Canyon Intrusions

The Copper Canyon Intrusions comprise an irregular NE-SW elongate southwesterly splayed stock-like composite mass of stocks and dykes of alkalic intrusions emplaced into probable co-magmatic Stuhini volcanics largely along the footwall side of the above described thrust plate. The composite intrusive mass is distributed in the form of a northeast-southwest oriented inverted

irregular U-shaped body. Irregularities include a splayed extension to the north along the footwall of the thrust fault from the top of the north half of the U-shaped feature (i.e. which together define the North Stock-Main Body) and a smaller lower arm with two associated separate small outlying bodies to the south along the thrust fault (North Stock-Southeast Apophyses). Other phases include a number of separate small dyke and stock-like bodies that occur to the southwest along the north arm of the U-shaped complex (i.e. Southwest Intrusions) and a series of generally NNW-SSE trending Intra-Mineral Dykes that are focused along the southwestern end of the north arm of the U-shaped intrusive complex. Major NE-SW trending moderately to steeply outward dipping probable normal fault structures (i.e. West and East Faults) both follow and controlled emplacement along the inner side of the U-shaped composite body. Intrusive phases are described below.

The North Stock-Main Body is comprised predominantly of highly fractured, dark grey weathering, light grey, fine grained, equigranular biotite monzonite (Unit 16a). Two associated phases include a limited border phase of medium grained hornblende syenomonzonite (Unit 16c) at the northern end of the stock and a separate dyke-like body of intrusive breccia (Unit 16b) adjacent the west side of the stock. All the above phases are moderately magnetic.

The North Stock-Southeast Apophyses includes a main body of fine to medium grained biotite monzonite (Unit 14a) which is an extension of and essentially identical to the North Stock-Main Body. This unit locally contains common volcanic fragments in the area of the East Fault. Other associated bodies include a NE-SW trending dyke-like mass along the inner side of the southern arm of the U-shaped complex consisting of monzonite intrusive breccia (Unit 14b), characterized by abundant angular to rounded fragments of porphyritic syenite and biotitized volcanics, a small local phase of pink syenite (Unit 14c) with local epidote-K-feldspar segregations and two separate outlying, although proximal, bodies of medium grained hornblende monzonite (Unit 14d) and syenodiorite (Unit 14e). All of the above phases are moderately magnetic.

The Southwest Intrusions include three separate although subjacent intrusions that are emplaced along the north margin of the West Fault and appear to intrude the North Stock. Two of these bodies are dyke-like masses. The first comprises medium grained biotite monzonite similar to the North Stock except for local glomeroporphyritic textures (Unit 15d). The second body extends along the West Fault, appears to pinch out at depth and is indicated to plunge gently northeasterly (Unit 15c). It is comprised of porphyritic, vuggy, medium grained monzonite with local pegmatitic K-feldspar-leucite(?) dykelets and segregations and widely dispersed phenocrysts of argillized feldspar up to 1 1/2 centimeters long. The third body is a small stock-like oval-shaped body of intensely pervasively altered (i.e. K-feldspathized and biotitized) probable medium grained syenite (Unit 15a) with a porphyritic phase of syenite intrusive breccia (Unit 15b) along its northeastern contact. The latter phase contains large K-feldspar phenocrysts and rounded fragments of porphyritic trachyte, and typically has a glomeroporphyritic texture due to agglomeration of medium grained K-feldspar similar to Unit 15d. This body has not been intersected in drill holes and appears to plunge to the northeast. All of the above phases are largely non-magnetic except that a set of massive magnetite veins (i.e. veins up to 6 centimeters wide), trending ENE-WSW and dipping north, occurs in one locality along the northeastern contact of Unit 15b.

Intra-Mineral Dykes of K-feldspar syenite megaporphyry (Unit 17a) mainly occur as a dyke swarm trending NNW-SSE and dipping steeply northeast focused at the southwestern end of the U-shaped intrusive complex as described above (i.e. from 0+00N to 15+00N) and extending from the West Fault, where dykes tend to pinch out at surface and feather out at depth (i.e. 90 DDH 4), to outside the altered and mineralized area to the northwest. These dykes are generally light colored, contain large euhedral, zoned and often aligned K-feldspar phenocrysts up to 5 centimeters long, local stubby highly zoned and altered leucite phenocrysts up to 1 1/2 centimeters across and lesser medium to coarse grained plagioclase phenocrysts and finer grained biotite in a fine grained matrix, and often have chilled contacts. Southwest of the dyke exposed immediately east of 90 DDH 1 and 2, intra-mineral syenite megaporphyry dykes occur less frequently and exclusively trend east-west and dip moderately north. Also, in this area at depth in 90 DDH 2 thick dyke-like bodies and

swarms of thin dykes of intrusive breccia (Unit 17b) similar to Unit 17a except that K-feldspar crystals are often broken, angular volcanic fragments are common, and the matrices are generally chilled consisting of "tuffaceous-looking" dark material. These dykes locally contain phases identical to Unit 17a. Another zone of Intra-Mineral Dykes occurs at the north end of the North Stock-Main Body. Here, a narrow zone of variably textured apparent strike-limited narrow dykes dipping gently to steeply northeast and consisting of syenite megaporphyry (Unit 17a), glomeroporphyritic syenite-monzonite porphyry (Unit 17c) and medium grained monzonite (Unit 17d) are emplaced into the North Stock. All of the above dykes are largely non-magnetic.

Post-Mineral Dykes

Post-Mineral Dykes occur locally within and outside to the northeast and west of the property. They are generally narrow, felsic to intermediate and locally lamprophyric (Units 18 to 22 inclusive) and strike NE-SW to NS and WNW-ESE and dip steeply. The most prominent dyke within the property includes a curvilinear felsic dyke (Unit 21) that extends northeasterly to northerly through the Western and North Copper Zones subjacent to and along the north side of the West Fault into thrust plate rocks. A less prominent subparallel, similar dyke follows the immediate footwall side of the West Fault. Also, a lamprophyre dyke further to the south shows a similar trend. Another prominent dyke of composite latite-hornblende albite porphyry-andesite lithology (Unit 20) extends WNW-ESE across all rock types north of the North Copper Zone. All of the above dykes exhibit limited post emplacement offsets along the thrust fault.

Prominent dykes outside the property include a pair of felsic (Unit 21) and latite (Unit 19) dykes trending NNE-SSW to the west of the property and a probable NW-SE trending composite dyke (Unit 20) off the property to the north.

All Post-Mineral Dykes show strong longitudinal jointing, chilled contacts and limited magmatic banding and foliation.

STRUCTURE

Structural elements of significance in respect to emplacement of the alkalic intrusive complex and associated altered and mineralized zones include the NNW-SSE trending thrust fault, NE-SW trending fault systems, NNW-SSE trending fault systems and dilation zones, conjugate fracture systems and intrusive breccia bodies.

The thrust fault, extending NNW-SSE across the northeastern portions of the property, appears to be a simple planar surface dipping 42 to 50 degrees to the east with a subparallel footwall splay in the central part of the map area. Typical of the main thrust fault and the footwall splay is a footwall zone of intense fracturing, shearing and ankerite and limonite alteration that pinches and swells along the trace of these faults. Movement on the planar surface of the thrust fault appears to have been largely pre-alkalic intrusive complex with likely limited post-intrusive movement. This is indicated by the splaying of the North Stock along the base of the thrust, separate small bodies along the fault to the southeast, generally expanded nature of the alkalic complex immediately beneath the thrust, limited offset of the North Copper Zone and associated alteration zone across the fault and by the sharp contact of the intrusive complex with the thrust and associated limonite-ankerite altered zone. These features, as well as the indicated plunge to the northeast of some of the Southwest Intrusions (i.e. Units 15a, b and c) and the steep northeasterly dipping nature of syenite megaporphyry dykes (Unit 17a), indicate that the alkalic complex and probably the related mineralized zones plunge to the northeast beneath the thrust fault.

NE-SW trending faults include a system of faults associated with the arms of the inverted U-shaped alkaline intrusion complex. Outward dipping faults occur respectively along the inner side of the north arm (i.e. West Fault) and extending through the center of the south arm (i.e. East Fault). Both of these faults have extensive gouge and intensely fractured zones developed along them. These faults are likely reactivated pre-intrusive faults that controlled emplacement of the arms of the alkalic complex. The West Fault,

as outlined above, has directly controlled emplacement of a number of intrusive phases. Both of the East and West Faults appear to be connected by an indicated NE dipping probable thrust related fault at the head of Copper Canyon. Also, a number of sub-parallel faults trending NE-SW occur west of and sub-parallel to the West Fault, roughly along the northwest margin of the U-shaped intrusive complex. Movement on all of the above NE-SW faults as indicated by offsets of rock units appears to be dominantly right lateral and/or normal. Also, significant normal vertical movement on the West Fault is apparent due to the juxtaposition of Unit 7 fragmentals with Units 9 and 10 flows and fragmentals. None of the above faults appear to truncate the thrust fault and, therefore, are likely early, possibly volcanic related faults.

NNW-SSE trending faults include a system of intermittent, generally steeply easterly dipping and apparently strike limited faults that extend northerly from the West Fault at least as far as the NE-SW sub-parallel system of faults that occurs along the northern margin of the U-shaped intrusive complex as described above. These faults appear to occur in a NE-SW trending zone that extends from 2+00S to at least 24+00E and encompasses the Western Copper Zone and southeastern portion of the North Copper Zone. Movement along these faults appears to be complex. Offsets of rock units as per Figures 6a to 6c indicate early reverse movement by offsets of volcanic horizons and later progressive right lateral movement by respective decreasing offsets of Intra-Mineral and Post-Mineral Dykes. With respect to the latter, all of the faults mapped within this zone show limited right lateral offsets of felsic post-mineral dykes (Unit 21). Of possible significance is the indicated early reverse movement and the sub-parallel nature of these faults with the thrust fault to the northeast. It therefore appears likely that these faults and possibly the above described system of NE-SW faults represent a system of early drag faults along the base of the thrust, although the NE-SW faults may also represent earlier volcanic related faults.

NNW-SSE dilution zones controlled emplacement of Intra-Mineral Dykes. In the region of the Western Copper Zone, these zones parallel the above described system of NNW-SSE trending faults, tend to occur along a number of them and were also similarly limited in development to the southeast by the West Fault.

Multiple conjugate fracture systems are highly developed and widespread throughout the Copper Canyon Intrusions and to a lesser extent in surrounding volcanic rocks. Dominant widespread fracture attitudes are as follows:

Strike	Dip
NNE - SSW	70° to 90° E or W
NE - SW	30° to 90° NW
NE - SW	40° to 80° SE
WNW to NW - ESE to SE	30° to 90° S
WNW to NW - ESE to SE	30° to 80° N

Fracture density in rock types from most to least intense is as follows: North Stock-Main Body, North Stock-Southeast Apophyses, Southwest Intrusions, Stuhini volcanics and Intra-Mineral Dykes. Extreme sheet fracturing to the extent of granulation of rocks is often developed in wide zones along the major fault structures with associated shearing and otherwise occurs apparently random throughout the Copper Canyon Intrusive, and in particular, throughout the North Stock-Main Body. The above fracture systems were likely developed in response to stress associated with faulting and attendant emplacement of the Copper Canyon Intrusions.

Intrusive breccia bodies, including Units 14b, 15a and b and 16b, occur as oval to short tabular bodies mainly emplaced along the lower arms of the above detailed U-shaped intrusive complex in close proximity to the East and West Faults. These bodies are likely pipe-like explosive breccia plugs. They probably plunge northeasterly as indicated from drilling for Units 15a and b.

ALTERATION

Hydrothermal alteration of all pre-Tertiary rocks is widespread, weakly to intensely developed, and is typically pervasive although fracture, shear and, to a certain extent, lithologically controlled. It occurs throughout and centered about the Copper Canyon Intrusions and proximal surrounding country rocks. Alteration products recognized in the system, exclusive of Intra-Mineral Dykes, include K-feldspar, biotite, garnet, white argillic clay minerals, chlorite, carbonate and local calc-silicate minerals with associated silicification, and sporadic epidote. Associated gangue minerals include specular and earthy hematite, magnetite, anhydrite, fluorite and local zeolites (i.e. probably chalazite and natrolite), gypsum and calcite.

The alteration system is characterized by i) a weakly to intensely pink, orange to brick-red K-feldspar flooded and biotitized region, coincident with a gossanous pyritized region, that envelopes most of the U-shaped alkalic intrusive complex and immediate surrounding rocks to the northwest, north, northeast, and southeast including an offset portion of Thrust Plate rocks, and has an indicated extension to the west-southwest under the Copper Canyon Glacier in probably largely Stuhini rocks; ii) a peripheral prophylitic altered region with extensive carbonate, chlorite, earthy hematite and local epidote alteration; iii) internal more intensely K-feldspathized and biotitized zones with associated fluorite, specular hematite, anhydrite and local zeolites that are largely coincident with chalcopyrite zones (i.e. North, Western and Eastern Copper Zones) and best developed in volcanic rocks in the Western Copper Zone, which zone also contains a major northwesterly dipping tabular garnet zone, characterized by fracture controlled and pervasive brown garnet with associated anhydrite, fluorite, biotite, chalcopyrite and pyrite with selvages and marginal zones of fracture controlled and pervasive K-feldspar, biotite, white albite (?), chalcopyrite and pyrite, at depth near its footwall with associated local, separate, narrow zones of pale green and cream colored calc-silicate replacement and silicification; iv) the presence of an intensely K-feldspathized and biotitized syenite pipe-like body with an intrusion breccia contact phase

within the Western Copper Zone; and v) a central K-feldspathized, biotitized and argillized zone within the core of the U-shaped complex including a moderately to intensely argillized and locally silicified zone that occurs along the footwall side of the West Fault, and local argillized zones developed along the footwall side of the East Fault. Also, intensely argillized rocks occur northeast of the North Copper Zone on the east side of the thrust fault. This area is possibly a reverse fault offset of the potential down plunge extension to the northeast of the above central argillized zone exposed along the footwall of the West Fault. These argillized zones, which are also intensely pyritized, indicate that the alteration-mineralization system associated with the Western Zone continues to the northeast along strike through the North Zone and at depth to the northeast below the thrust fault.

Zoning of the alteration system is evident as outlined above. Also, within the Western Copper Zone, K-feldspar flooding and biotitization tends to be preferentially most intense in Unit 9 trachyandesite and in the hanging-wall side of the above referenced garnet zone; and anhydrite, which typically occurs along late fractures within the system with local fluorite, zeolites, sericites, calcite and/or sulphides, is most abundant within and in close proximity to the garnet zone. The above garnet zone locally grades into highly argillized footwall rocks along the West Fault across a narrow transition zone. Carbonate and chlorite alteration occur throughout the alteration system although they are exclusively and more intensely developed in the peripheral areas as per ii) above. Earthy and specular hematite also occur widespread, although fine specular hematite occurs mainly within the copper mineralized zones and earthy hematite occurs mainly in peripheral altered areas. Biotite-chalcopyrite veins up to 10 centimeters wide commonly occur in the area of 90 DDH 1 and 2.

Alteration and mineralization in the Western Copper Zone may be slightly younger and to a certain extent overprinted on the North Copper Zone as indicated by the apparent unique presence of a garnet zone and greater intensity of alteration in the Western Copper Zone, together with the spatial association of same with the respectively apparent and known youngest alkaline intrusive

phases (i.e. Southwest Intrusions and Intra-Mineral Dykes). Limited outcrop to the northeast of the main portion of the Western Copper Zone inhibits definition of the relationship of the two copper zones.

Alteration within Intra-Mineral Dykes consists of weak to moderate K-feldspathization, sericitization and argillization. Anhydrite fracture fillings with fluorite, zeolites, sericite and calcite and sulphide minerals, including chalcopyrite, pyrite and minor galena and sphalerite locally occur within these dykes. Intensity of alteration and tenor of mineralization is typically much less within these dykes than in adjoining rocks within the Western Copper Zone.

Intensely argillized and pyritized tabular zones and necks occur locally along the thrust fault and within propylitic altered rocks east of the thrust fault and northwest of the drill area. The latter are the largest of these zones and strike ESE-WNW. No sulphides other than pyrite were noted in any of these zones.

Quartz veining was only noted in two areas on the property. One locality occurs within the northeasternmost portion of the East Copper Zone, where a few banded, chalcedony encrusted open fractures occur in fine grained altered and mineralized monzonite. The second locality is within the pyrite zone west of 90 DDH 1 and 2, where an east-west trending quartz-stringer zone occurs in volcanic rocks.

MINERALIZATION

Sulphidization and alteration are closely related in the altered system as described above. Sulphide minerals recognized in the system include widespread pyrite and chalcopyrite and locally occurring galena, sphalerite and other sparse dark metallic minerals (i.e. possibly tetrahedrite and/or enargite). Pyrite occurs throughout the sulphidized region (i.e. pyrite/propylitic line on Figure 5) as disseminations, fracture fillings and thin veinlets. It varies in content from 1% to 3% in fringe areas and within most

of the chalcopyrite zones, commonly increases to 5% to 10% in zones overlapping both the inner and outer margins of chalcopyrite zones and occurs abundantly (i.e. 5% to 15%) within the central altered zone, particularly along the more intensely argillized footwall region of the West Fault and in argillized rocks east of the thrust fault.

Chalcopyrite and associated gold and silver values and secondary copper carbonate and oxide minerals, including malachite, azurite and chrysocolla, occur in three interconnected zones, each measuring up to 2,000 feet (610 metres) long and 900 feet (274 metres) wide (i.e. North, Western and Eastern Copper Zones). The North and Eastern Copper Zones occur within the North Stock, except in one area where the North Zone overlaps onto Thrust Plate rocks. The Western Copper Zone occurs mainly in volcanic rocks, preferentially in Unit 9 trachyandesites and to a lesser extent in Unit 10 trachyte, in association with the Southwest Intrusions and Intra-Mineral Dykes. The Western and Eastern Copper Zones are in general NE-SW elongate tabular to arcuate zones that dip respectively moderately to steeply northwest or moderately southeast concordantly with footwall faults (i.e. West and East Faults. The North Copper Zone is a ring-shaped mineralized zone, the southeast portion of which occurs along the northeast extension of the Western Zone. All copper zones reflect the distribution of related intrusive phases and fault structures. The Western and North Copper Zones are spatially associated with the complexly faulted (i.e. intersecting NE-SW and NNW-SSE system of faults) region extending along the northern arm of the above described U-shaped alkaline intrusive complex. Copper mineralization in the system is most abundant on surface (i.e. estimated 1% to 3% chalcopyrite and copper carbonate and oxide minerals), in decreasing order, within the Western Zone, particularly in the area of 90 DDH 1 and 2 and within the intensely altered syenite plug (Unit 15a) preferentially in association with most intensely K-feldspathized and biotitized rocks, along the SW-NE trending segment of the Southeast Zone and locally within the southeastern portion of the ring-shaped North Zone. Within the North Stock, chalcopyrite occurs mainly along fractures and, to a lesser extent disseminated, whereas, within the Western Zone, chalcopyrite occurs in both modes, generally in roughly equal proportions. In the latter zone, chalcopyrite also occurs, especially on

surface and in the upper portions of 90 DDH 1 and 2, as intermittent massive stringers, irregular clots and discontinuous seams up to 8 centimetres wide associated with coarse biotite books and local galena and intense K-feldspar flooding. In this region, the estimated chalcopyrite content is locally up to 5% to 10% across substantial widths.

A second stage of mineralization is manifest in drill holes within the Western Copper Zone by local chalcopyrite with associated fluorite, zeolites and calcite and sparse galena and sphalerite occurring in late anhydrite filled fractures cutting either K-feldspar flooded, biotitized and garnetized volcanic rocks or intra-mineral syenite megaporphyry dykes.

Copper oxidation products, including malachite, azurite and black sooty minerals, as well as chrysocolla and black manganese stain, occur widespread as fracture coatings throughout the chalcopyrite zones. Malachite is the most common oxidation mineral in all copper zones. Most extensive development of same occurs in the Western Copper Zone in association with the other above noted minerals, particularly within the Southwest Intrusions, especially the altered syenite plug (Unit 15a). Also, an exceptionally well developed malachite-azurite-manganese stain fracture coated and chrysocolla cemented talus breccia pad occurs northwest of the collar of 90 DDH 4. The pad is situated overlapping the contact of a K-feldspar syenite megaporphyry dyke (Unit 17a) with porphyritic monzonite (Unit 15c) adjacent the West Fault. Other less well developed local malachite pads with associated black copper (?) and manganese oxides occur along the same dyke (Unit 17a) approxiamtely 500 feet (152 metres) to the northwest. Black manganese staining, other than as described above, also occurs widespread outside of copper zones within the North Stock, particularly northwest of the Eastern Copper Zone within and associated with monzonite intrusive breccia (Unit 14b).

RESULTS OF DIAMOND DRILLING

1957 DRILLING

Previous drilling, as well as surface sampling, in the above described copper zones by the American Metal Co. Ltd. in 1957 established widespread good copper grades with associated low gold and silver values in the above identified better copper mineralized areas. A summary of significant gold, silver and copper intercepts from seven AX holes drilled totalling 3,311 feet (1,009.2 metres) as per Figures 5 and 6a to d inclusive is given on Table 2. Recoveries in most holes were reportedly very poor (i.e. 0 to 55%), except for drill holes BC-57-5 and 7, respectively drilled to 474 feet (144 metres) and 30 feet (9 metres), with good to excellent reported recoveries in competent rocks. The latter holes also intersected the best mineralized copper, gold and silver zones encountered (i.e. up to 99 feet (30.2 metres) at the top of BC-57-5 assaying 1.19% copper, 0.02 ounces gold per ton and 0.47 ounces silver per ton). Drill holes BC-57-1 and 3 were drilled along strike BC-57-5 and 7 to the northeast. They were collared in argillized footwall rocks and inclined to the northwest below the West Fault. Both of these holes were abandoned at relatively shallow depths (i.e. 57-3 was abandoned at 419 feet (128 metres) due to tough drilling conditions, whereas, 57-1 was abandoned at 543 feet (166 metres) for no apparent reason) which were inadequate to test the potential extension to the northeast of mineralized zones encountered in 57-5 and 7. Nevertheless, 57-1 intercepted three separate copper zones ranging from 15 to 39 feet (i.e. 4.6 to 11.9 metres) near the bottom of the hole within hanging wall rocks west of the West Fault and bottomed in one of these zones which averaged 1.13% copper, 0.01 ounces gold per ton and 0.51 ounces silver per ton; and 57-3 intersected numerous 2- to 22-foot (i.e. 0.6 to 6.7 metres) intermittent copper mineralized zones assaying up to 1.07% copper, 0.01 ounces gold per ton and 0.30 ounces silver per ton. Drill holes BC-57-4 and 6 were also drilled along strike the above hole BC-57-3 in progressive approximate 400-foot (122 metres) step-outs to test what is now identified as the North Copper Zone. Both were collared in footwall argillized rocks along the West Fault and inclined to the northwest,

TABLE 2

SIGNIFICANT GOLD, SILVER AND COPPER
1957 DRILL HOLE INTERCEPTS

Cutoff: ≥0.5% copper except where noted by ° Cutoff ≥0.2% copper

HOLE NUMBER	INTERCEPT (feet)	CORE LENGTH feet(metres)	% RECOVERY	OZ. GOLD PER TON	OZ. SILVER PER TON	% COPPER
BC-57-1	380-395	15 (4.6)	5	0.15	0.05	0.77
	434-455	21 (6.4)	15-50	0.01	0.03	0.63
	+504-543	39 (11.9)	0-50	0.01	0.51	1.13
	Including:					
	504-522	18 (5.5)	18-20	0.01	0.40	0.99
	533-534	1 (0.3)	50	0.015	0.50	2.02
	539-543	4 (1.2)	25	0.015	1.00	1.55
	°360-395	35 (10.7)	5-50	0.07	0.02	0.46
	+°434-543	109 (33.2)	15-50	0.01	0.21	0.43
BC-57-2	196-201	5 (1.5)	45	Trace	0.45	1.02
	343-345	2 (0.6)	15-20	0.015	1.80	0.55
BC-57-3	8- 21	13 (4.0)	20	0.01	0.13	1.07
	130-152	22 (6.7)	30	0.01	0.26	0.74
	161-163	2 (0.6)	30	Trace	Trace	0.67
	165-167	2 (0.6)	30	0.005	0.25	0.55
	179-187	8 (2.4)	30	Trace	0.18	0.56
	220-228	8 (2.4)	55	0.003	0.19	0.81
	240-246	6 (1.8)	55	0.003	0.17	0.60
	271-275	4 (1.2)	30	Trace	0.30	0.51
	285-287	2 (0.6)	20	Trace	Trace	0.52
	295-297	2 (0.6)	20	Trace	Trace	0.70
	301-305	4 (1.2)	20	0.01	0.15	0.60
	325-329	4 (1.2)	30	0.003	0.08	0.80
	° 161-194	34 (10.4)	20-30	0.002	0.13	0.35
	°218.5-417	198.5(60.5)	0-70	0.001	0.09	0.25

+Includes two sections given assumed nil values from 522 to 533 and 534 to 539 for which no assays are reported.

TABLE 2, continued

HOLE NUMBER	INTERCEPT (feet)	CORE LENGTH feet (metres)	% RECOVERY	OZ. GOLD PER TON	OZ. SILVER PER TON	% COPPER
BC-57-4	377-415	38 (11.6)	Poor	0.01	0.10	0.36
	452-454	2 (0.6)	Poor	Trace	0.10	0.55
	570-605	35 (10.7)	Excellent	0.01	0.10	0.59
	780-795	15 (4.6)	Excellent	0.02	0.03	0.60
	810-825	15 (4.6)	Excellent	0.01	0.03	0.53
	870-875	5 (1.5)	Excellent	Trace	0.10	0.55
	940-945	5 (1.5)	Excellent	0.01	0.10	0.70
	955-960	5 (1.5)	Excellent	0.005	0.10	0.60
	°450-525	75 (22.9)	Excellent	0.01	0.04	0.23
	°565-630	65 (19.8)	Excellent	0.01	0.06	0.45
	°710-730	20 (6.1)	Excellent	0.01	0.08	0.30
	°775-840	65 (19.8)	Excellent	0.01	0.04	0.40
	°870-960	90 (27.4)	Excellent	0.002	0.02	0.30
	°995-1013	18 (5.5)	Excellent	0.01	0.04	0.30
BC-57-5	0- 99	99 (30.2)	Excellent	0.02	0.47	1.19
	141-216	75 (22.9)	Excellent	0.02	0.37	0.99
	258.5-272	13.5 (4.1)	Excellent	0.06	0.39	0.70
	°329-474	145 (44.2)	Excellent	0.03	0.06	0.34
BC-57-6	173-174	1 (0.3)	Poor	0.01	0.10	0.50
	195.5-201	5.5 (1.7)	Poor	0.11	0.20	0.94
BC-57-7	1- 30	29 (8.8)	Good	0.02	0.35	1.16

except BC-57-6 was collared very close to the fault. Drill hole BC-57-4 encountered numerous narrow copper zones with good core recoveries mainly within competent hanging wall rocks west of the West Fault. These copper zones range from 2 to 38 feet (0.6 to 11.6 metres) wide and assay 0.36% to 0.60% copper, trace to 0.01 ounces gold per ton and 0.03 to 0.10 ounces silver per ton. The hole was mineralized to its bottom at 1,013 feet (309 metres). Drill hole BC-57-6, drilled to 219 feet (67 metres), encountered two narrow mineralized zones near the bottom of the hole in hanging wall rocks west of the West Fault. The best intercept, within 18 feet (5.5 metres) from the bottom of the hole, assayed 0.94% copper, 0.11 ounces gold per ton and 0.20 ounces silver per ton across 5.5 feet (1.7 metres). The above holes indicate the favourability of the Western and North Copper Zones for substantial Cu-Au-Ag porphyry-type mineralization, but due to exceptionally poor recoveries in most of the holes, they are not considered reliable in terms of measuring width or grade of mineralized zones, except possible for drill holes BC-57-5, 7 and 4.

Drill hole BC-57-2 was drilled to test the Eastern Copper Zone, however, the hole was collared west of the East Fault and inclined down-dip the zone to the east, and subsequently failed to test the zone. This hole, drilled to a depth of 613 feet (187 metres), only encountered weakly mineralized monzonite except for two narrow better mineralized zones, the best of which assayed 1.02% copper, trace gold and 0.45 ounces silver per ton across 5 feet (1.5 metres).

1990 PHASE I DRILLING

Six holes were drilled totalling 5,105 feet (1,560.8 metres) during August and September, 1990 by Consolidated Rhodes Resources Ltd. as outlined in "1990 Phase I Program" in order to test the Western Copper Zone. Drill holes are plotted on Figures 5 and 6a to d inclusive. Drill hole logs are given in Appendix II, and drill core assay certificates are given in Appendix III. Significant gold, silver and copper intercepts are given in Table 3 and illustrated on Figures 6a to d inclusive. Results of drilling are summarized as follows:

1. Recoveries in all 1990 Phase I holes drilled were excellent, at plus 98%.

2. Two confirmation holes (i.e. 90 DDH 1 and 2) established that where previous drilling recoveries were good (i.e. BC-57-5 and 7), that good comparisons of Cu, Au and Ag values were obtained, except that higher grade gold zones were not detected in the previous drilling. For example, a 71.5-foot (22.0 metres) interval in 90 DDH 1 assaying 0.120 ounces gold per ton was not detected in drill hole BC-57-5 where the same interval assayed trace to 0.015 ounces gold per ton. The following comparisons illustrate these observations.

Assay Interval Comparisons

Drill Hole Number	Interval (metres)	Core Length (metres)	Ozs. Au Per Ton	Ozs. Ag Per Ton	% Cu
BC-57-7	0.3- 9.1	8.8	0.02	0.35	1.16
90 DDH 2	5.5- 12.0	6.5	0.018	0.29	0.73
BC-57-5	0 - 30.2	30.2	0.02	0.47	1.19
BC-57-5	43.0- 65.8	22.8	0.02	0.37	0.99
90 DDH 1	2.7- 63.0	60.3	0.018	0.74	1.14
BC-57-5	78.7- 82.9	4.2	0.06	0.39	0.70
BC-57-5	100.3-144.5	44.2	0.03	0.06	0.70
90 DDH 1	87.0-115.0	28.0	0.099	0.34	0.61
90 DDH 1	120.0-131.0	11.0	0.030	0.19	0.36
90 DDH 1	89.0-111.0	22.0	0.120	0.38	0.71

3. Two confirmation holes (i.e. 90 DDH 3 and 4) established that where previous drilling recoveries were poor (i.e. BC-57-1 and 3), the previous drill hole either had established the presence of a mineralized zone (i.e. intermittent copper zones were intersected between 380 and 543 feet (116 and 166 metres) in BC-57-1) that was confirmed and better defined as per 90 DDH 4 or had established the presence of a mineralized zone (i.e. intermittent copper zone was intersected between 130 and 329 feet (40 to 100 metres) in BC-57-3) that was not confirmed as per 90 DDH 3. This latter zone was

intersected in footwall highly argillized rocks that were rarely found to carry significant copper values in the current program. On the basis of these comparisons, it is concluded that previous drilling is inconclusive and should not be relied upon.

4. On the basis of current mapping and core logging, it is concluded that 1957 drill logs, especially holes with poor recoveries, should not be relied upon.

5. Drill hole 90 DDH 4 was successful in identifying an extension of the Western Copper Zone at depth significantly past the end of previous drill hole BC-57-1. Although the hole was drilled to 1,307 feet (398.5 metres), it bottomed in mineralization, although the tenor of same was decreasing. 90 DDH 3 was not successful in the same regard as BC-57-3, since the hole was abandoned at 551 feet (167.9 metres) due to very tight drilling conditions.

6. Drill holes 90 DDH 1 to 6 inclusive were successful in confirming surface mapping in that the Western Copper Zone dips 55° to 70° to the northwest and that its southeastern margin is controlled by the West Fault. Near surface, the fault defines the margin (i.e. cpy/py line) of the zone, whereas, at depth (i.e. in 90 DDH 4) the margin of the zone appears to slightly diverge from the fault.

7. Phase I drilling has established continuity of the Western Copper Zone along strike from 0+00N to 6+50N, a distance of 650 feet (198 metres), has indicated continuity of the zone from 2+00S to 9+00N, a distance of 1,100 feet (335 metres), has traced the zone to depths of up to at least 900 feet (274 metres) and has demonstrated that the mineralized zone is up to at least 625 feet (191 metres) wide.

8. Drilling has indicated that the Western Copper Zone consists of a series of probably sub-parallel Cu-Au-Ag interconnected, irregular mineralized sheets that trend concordantly with the general attitude of the zone. Best copper grades in the system tend to occur in the more intensely K-feldspathized and biotitized rocks immediately above the intense garnet zone in 90 DDH 2 (i.e. 21.0 to 138.0 metres assaying 1.84% copper, 0.072 ounces gold per ton and 1.12 ounces silver per ton). Also, copper mineralized zones and best copper grades tend to be generally spatially associated with NNW-SSE trending intra-mineral syenite megaporphyry dykes (Unit 17a).

9. Gold distribution in the Western Copper Zone is widespread and closely follows copper distribution and grade, both in detail and in general, although gold also occurs in either less significant copper zones or outside of significant copper bearing zones, particularly toward the footwall of the Western Copper Zone, as indicated by i) the lower gold zones in 90 DDH 2 which are generally spatially associated with either the garnet zone or increasing pyrite content toward the bottom of the hole, and by ii) the elevated gold content of copper zones within the garnet zone in drill hole 90 DDH 4. It is probable that gold has been introduced in two stages; the first, and apparently most significant, with the main hydrothermal event in close association with either K-feldspar-copper or garnet-copper and the second in association with footwall pyrite, which by virtue of the apparent gold association with same, indicates that footwall pyritization may be temporally different and perhaps slightly later than the main gold event.

10. No obvious structural or lithologic controls to gold distribution were identified in the current drill program.

TABLE 3

SIGNIFICANT GOLD, SILVER AND COPPER
1990 DRILL HOLE INTERCEPTS

Cutoffs

x Intercepts with ≥0.50% copper equivalent on the basis of 0.01 ounces gold per ton equivalent to 0.15% copper and excluding silver.

* Intercepts with ≥0.10 ounces gold per ton.

o Intercepts with sections of below copper equivalent cutoff; approximate cutoff ≥0.30% copper equivalent.

HOLE		INTERCEPT (metres)	CORE LENGTH (metres)	(feet)	GOLD (oz/ton)	SILVER (oz/ton)	COPPER %
CC 90 DDH 1	x	2.7- 63.0	60.3	196.0	0.018	0.74	1.14
		Including:					
		17.0- 30.0	13.0	42.3	0.027	1.37	2.20
	*	29.0- 30.0	1.0	3.3	0.102	2.42	3.48
	x	87.0-115.0	28.0	91.0	0.099	0.34	0.61
		Including:					
	*	89.0-111.0	22.0	71.5	0.120	0.38	0.71
		89.0-105.0	16.0	52.0	0.142	0.38	0.68
		89.0- 93.0	4.0	13.0	0.152	0.42	0.60
		102.0-105.0	3.0	9.8	0.254	0.48	0.74
		109.0-111.0	2.0	6.5	0.105	0.47	1.24
	x	120.0-131.0	11.0	35.8	0.030	0.19	0.36
CC 90 DDH 2	x	5.5-276.3	270.8	898	0.056	0.65	1.05
		Including:					
		5.5-275.0	269.5	875.9	0.056	0.65	1.06
		21.0-138.0	117.0	380.3	0.072	1.12	1.84
		21.0- 26.0	5.0	16.3	0.076	1.06	2.28
	*	24.0- 26.0	2.0	6.5	0.114	0.98	1.56
		30.0- 47.0	17.0	55.3	0.070	1.19	2.38
		38.0- 39.0	1.0	3.3	0.111	2.06	3.60
	*	44.0- 46.0	2.0	6.5	0.105	1.79	3.05
		50.0- 65.0	15.0	48.8	0.048	1.42	2.10
	*	69.0- 79.0	10.0	32.5	0.117	2.00	4.10
	*	60.0- 61.0	1.0	3.3	0.107	2.22	2.79
	*	104.0-112.0	8.0	26.0	0.129	1.38	1.64
	*	122.0-123.0	1.0	3.3	0.140	2.39	2.97
	*	129.0-138.0	9.0	29.3	0.198	1.58	2.36
	*	158.0-159.0	1.0	3.3	0.113	0.58	0.62
	*	170.0-175.0	5.0	16.3	0.225	0.23	0.23
	*	211.0-212.0	1.0	3.3	0.108	0.77	2.06
	*	250.0-251.0	1.0	3.3	0.112	0.24	0.78
	*	263.0-273.0	10.0	32.5	0.136	0.22	0.31

TABLE 3, continued

HOLE	INTERCEPT (metres)	CORE LENGTH (metres)	(feet)	GOLD (oz/ton)	SILVER (oz/ton)	COPPER %
CC 90 DDH 3	x 12.2- 18.0	5.8	19.0	0.013	<0.05	0.93
	Including:					
	12.0- 16.0	4.0	13.1	0.019	<0.05	1.09
	o 125.0-138.0	13.0	42.6	0.005	<0.05	0.28
	x 150.0-152.0	2.0	6.6	0.038	0.35	0.50
CC 90 DDH 4	*121.0-122.0	1.0	3.3	0.117	<0.05	0.02
	x146.0-193.0	47.0	154.2	0.042	0.48	0.81
	Including:					
	147.0-154.0	7.0	23.0	0.055	0.44	1.13
	* 171.0-172.0	1.0	3.3	0.395	0.90	0.75
	177.0-193.0	16.0	52.5	0.038	0.62	1.01
	x207.0-307.0	100.0	328.0	0.032	0.54	0.81
	Including:					
	239.0-246.0	7.0	23.0	0.038	0.57	1.06
	* 258.0-271.0	13.0	42.6	0.118	0.97	1.54
	287.0-291.0	4.0	13.1	0.023	0.53	1.20
	x323.0-329.0	6.0	19.7	0.009	0.60	0.46
	x337.0-343.0	6.0	19.7	0.018	0.49	0.71
	x351.0-363.0	12.0	39.4	0.004	0.32	0.57
	x388.0-390.0	2.0	6.6	0.020	0.33	0.49
	x393.0-396.0	3.0	9.8	0.052	0.33	0.56
	o146.0-399.0	253.0	829.8	0.023	0.41	0.59
	Including:					
	146.0-304.0	158.0	518.2	0.033	0.48	0.74
	323.0-363.0	40.0	131.2	0.007	0.34	0.40
CC 90 DDH 5	x 93.0-113.0	20.0	65.3	0.009	0.33	0.62
	x128.0-160.0	32.0	105.0	0.069	0.51	0.77
	Including:					
	* 135.0-144.0	9.0	29.5	0.217	0.91	1.33
	x207.0-225.0	18.0	59.0	0.005	0.43	0.54
	x284.0-286.0	2.0	6.6	0.088	3.16	2.82
	x293.0-308.8	15.8	51.8	0.006	0.45	0.47
	o 93.0-239.0	146.0	478.9	0.018	0.35	0.43
	Including:					
	93.0-160.0	67.0	219.8	0.037	0.36	0.57
	200.0-239.0	39.0	128.0	0.004	0.35	0.43
	o284.0-308.8	24.8	81.3	0.011	0.55	0.54
CC 90 DDH 6	x 65.0- 97.0	32.0	105.0	0.019	0.21	0.55
	x111.0-179.5	68.5	224.7	0.016	0.13	0.45
	o 65.0-179.5	114.5	375.6	0.016	0.15	0.45
	Including:					
	65.0-127.0	62.0	203.4	0.018	0.17	0.49

CONCLUSIONS AND RECOMMENDATIONS

Based on the highly favourable results of the Phase I surface mapping and diamond drilling program, it is concluded that i) the setting of the Copper Canyon Cu-Au-Ag zones is typical of other Cordilleran alkaline porphyry-type deposits, and has remarkable similarities with the Galore Creek deposit (i.e. Central Zone); and that ii) the potential of the property is substantial, particularly within the Western and Eastern Copper Zones and along possible extensions of both to the southwest and of the former to the northeast, particularly at depth. The discovery of significant zones (i.e. $\geq$0.1 ounces gold per ton) of gold mineralization, not previously detected in earlier Amco drilling, within the Western Zone along with the favourable tenor of copper mineralization, as evidenced by the numerous mineralized drill intercepts encountered, has indicated potential for substantial tonnage with cutoff grades of $\geq$0.5% copper equivalent.

On the basis of the highly favourable results of the current Phase I program, it is recommended that a Phase II program be undertaken during October and November, 1990 as follows:

Surface Evaluation

1. Trenching of selected sites in all mineralized zones;

2. Rock chip geochemical sampling of the altered and mineralized region, particularly to evaluate gold distribution; and

3. Contour B horizon soil sampling at 100-foot horizontal and 300-foot vertical intervals throughout the altered and mineralized region where possible due to soil development in order to signature known mineralized zones and to investigate for possible extensions.

Diamond Drilling

A follow-up drill program comprising 10,000 feet (3,048 metres) in nine holes is proposed as follows:

1. Seven southeasterly inclined and one vertical hole on sections approximately 400 feet (122 metres) apart from 4+50S to 11+00N are proposed in order to better define the Western Zone and to evaluate potential extensions to the northeast and southwest; and to investigate the footwall geometry of the zone to the southwest and the gold potential of the footwall pyritized region; and

2. One northwesterly inclined hole at 16+00N to test the Eastern Copper Zone.

Collar locations of the above proposed holes are shown on Figure 5 and are further detailed as follows:

Proposed Phase II Drill Holes

Hole Number	Inclination / Bearing	Length Feet	Length Metres
P 90 DDH 7	-65° / 135°	1,000	305
" 8	-90°	500	152
" 9	-45° / 135°	1,000	305
" 10	-75° / 135°	1,500	457
" 11	-60° / 135°	1,600	488
" 12	-60° / 135°	1,100	335
" 13	-60° / 135°	1,200	366
" 14	-60° / 135°	900	274
" 15	-60° / 315°	900	274
	Sub-Total	9,700	2,956
	Contingency	300	92
	Total	10,000	3,048

The estimated cost of the proposed program is detailed as follows:

Proposed Budget for 1990 Phase II Program

Personnel	$146,890
Travel	3,000
Vehicles and Equipment	12,570
Room and Board	96,220
Materials and Supplies	16,000
Telephone and Facsimile	1,500
Shipping	4,000
Maps	500
Sample Analysis (assays and geochem)	74,000
Diamond Drilling (10,000 feet @ $30.00/foot) (3,048 metres @ $98.43/metre)	300,000
Fixed Wing	15,500
Helicopter	123,725
Expediter	1,500
Demobilization	28,000
Sub-total	$823,405
Contingency	26,595
Sub-total	850,000
Management Fee (15%)	127,500
Total	$977,500

STATEMENT OF EXPENDITURES

Personnel	$ 69,780.00
Travel	2,159.07
Vehicles and Equipment	8,089.11
Room and Board	42,966.88
Materials and Supplies	17,976.99
Telephone and Facsimile	1,191.11
Shipping and Truck Hauling	2,183.07
Maps	642.17
Assays	35,038.50
Diamond Drilling	163,267.19
Fixed Wing	9,592.22
Helicopter	67,824.46
Expeditor	599.60
Postage and Courier	108.61
Report Preparation	10,000.00
Overhead Charges	2,951.91
Sub-total	434,370.89
Management Fee (15%)	65,155.63
Total	$499,526.52

CERTIFICATE OF QUALIFICATION

I, George M. Leary, hereby certify that:

1. I am a professional geologist, having received a B.Sc. degree in Honours Geology in 1967, and an M.Sc. degree in Geology in 1969 from the University of British Columbia.

2. I have been a registered member of the Association of Professional Engineers of the Province of British Columbia since 1973, and have been registered as a Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of Alberta since 1984.

3. I am a Fellow of the Geological Association of Canada and a member of the Canadian Institute of Mining and Metallurgy.

4. I have been engaged in mineral exploration and property development work throughout Canada and the United States since 1964.

5. I have been involved with a wide variety of specialty (i.e. Mo, W, Nb, Ta), precious (Au, Ag) and base metal (Pb, Zn, Cu) projects throughout North America.

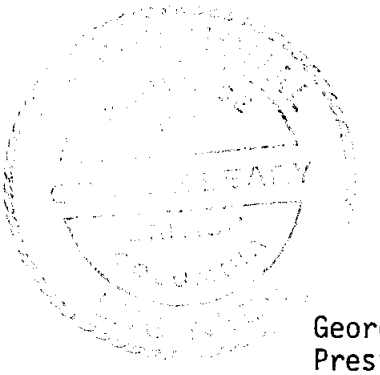
6. I have practised my profession continuously since 1964 and have previously held responsible positions with Amax Exploration Inc. in Vancouver, and Union Oil Company of Canada Limited in Calgary.

7. I am the author of this report which is based on a review of published and private reports and on field project management of the 1990 exploration program on the Copper Canyon Property.

8. I own no interest, directly or indirectly in the Copper Canyon Property or in the securities of Consolidated Rhodes Resources Ltd., nor do I expect to acquire such interest.

9. I consent to the use of this report by Consolidated Rhodes Resources Ltd. in reporting documents as may be necessary to satisfy requirements of the Vancouver Stock Exchange or the British Columbia Securities Commission.

Certificate signed under my professional seal, this 15th day of October, 1990.



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APPENDIX I

BIBLIOGRAPHY

BIBLIOGRAPHY

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APPENDIX II

DIAMOND DRILL HOLE LOGS
(90 DDH 1 to 6 inclusive)

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-1
Redrill of DDH-BC-57-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
200'	53°	44.5°
407'	53°	44.5°
600'	52.5°	44.0°
747'	52.2°	45.8°

Hole No. 90-DDH-1 Sheet No. 1/11
Section
Date Begun 02-9-90
Date Finished 04-9-90
Date Logged 03-9-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 3905'

Total Depth 747' (228.8m)
Logged By R. Peden
Claim CC 6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
0'	10'	30%	Casing to 10'. Overburden 0-9'.	35101	2.7	3	0.3	.025		.84	2.18
0	3m			35102	3	4	1.0	.063		.84	1.41
9'	22'	100%	COARSE GRAINED K-SPAR PHYRIC TRACHYTE FLOWS	35103	4	5	1.0	.022		.97	1.61
2.7m	6.8m		WITH MINOR TUFFS AND BRECCIAS	35104	5	6	1.0	.019		.67	1.24
			Abundant cpy (4%) dissem. and localised cm-scale	35105	6	7	1.0	.011		.45	.89
			clots. Py (2%) finely dissem. Spec. hematite (1-2%)	35106	7	8	1.0	.009		.52	1.71
			and biot. (12%) dissem.	35107	8	9	1.0	.008		.58	1.77
			Chryso (3%) and minor fluorite dissem.	35108	9	10	1.0	.003	.005	.10	.17
			Wk carbonate alteration is pervasive, Wk limonitizat-	35109	10	11	1.0	.012	.009	.50	.85
			ion along microfractures. Copper oxide staining after	35110	11	12	1.0	.009		.80	1.95
			sulphides is weak to moderate along fractures	35111	12	13	1.0	.010		.54	1.12
				35112	13	14	1.0	.016		.99	1.85
22'	45'	100%	K-SPAR SYENITE MEGAPORPHYRY DYKE	35113	14	15	1.0	.005		.58	1.59
6.8m	13.8m		An intra-mineralised dyke with cpy (1%) finely dissem.	35114	15	16	1.0	.014		.50	.76
			and py (1%) dissem. Hematite (2%) dissem.	35115	16	17	1.0	.013		.85	1.49
			Alteration as above for interval 9'-22' ± sericitization	35116	17	18	1.0	.028		1.06	1.45
			Phenocrysts of orthoclase are 2-3cm long	35117	18	19	1.0	.004		1.08	2.38
				35118	19	20	1.0	.006	.008	1.25	2.04
45'	103'	100%	As for interval 9'-22' (2.7-6.8m).	35119	20	21	1.0	.008		1.30	2.19
13.8m	31.7m		Cpy (3-4%) and py (2%) dissem.	35120	21	22	1.0	.019		1.61	2.35
			Wk. K-feldspathization and biotitization	35121	22	23	1.0	.016		1.14	2.17

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-1
Redrill of DDH-BC-57-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
200'	53°	44.5°
407'	53°	44.5°
600'	52.5°	44.0°
747'	52.1°	43.8°

Hole No. 90-DDH-1 Sheet No. 2/11
Section
Date Begun 02-9-90
Date Finished 04-9-90
Date Logged 03-9-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 3905'

Total Depth 747' (229.8m)
Logged By R. Pelen
Claim CC 6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
103'	137'	100%	PORPHYRITIC TRACHYE - ANDESITE FLOWS AND TUFFS	35122	23	24	1.0	.024		1.46	2.41
31.7m	42.1m		Cpy (2%), py (1%), biotite (5%) and hem. (2%)	35123	24	25	1.0	.018		1.36	2.54
			dissem.	35124	25	26	1.0	.029		1.02	1.90
			Alteration as above for interval 9'-22' (2.7m-	35125	26	27	1.0	.026		.59	1.37
			6.8m).	35126	27	28	1.0	.021		1.92	2.41
				35127	28	29	1.0	.054		1.61	1.97
137'	200'	100%	TRACHYE - ANDESITE TUFFS AND FLOWS	35128	29	30	1.0	.104	.100	2.42	3.48
42.1m	61.5m		Cpy (5%) dissem., localised stringer - clots and	35129	30	31	1.0	.060		1.17	1.31
			stringers < 2cm wide often assoc. with biot	35130	31	32	1.0	.019		.89	.63
			(12%) stringer - clots (poorly defined).	35131	32	33	1.0	.020		.41	.38
			Py (1%) finely dissem. and spec. hem (2%) dissem.	35132	33	34	1.0	.023		.81	1.12
			Mod. to intense K-feldspathization. Wk carbonate	35133	34	35	1.0	.016		.51	.59
			alteration with mm-scale wide veins of	35134	35	36	1.0	.009		.41	.45
			carbonate along microfractures. Wk. silicification.	35135	36	37	1.0	.006		.38	.34
			Rock has a weak fracture (on the scale of	35136	37	38	1.0	.014		.25	.23
			none, weak, moderate and intense) throughout	35137	38	39	1.0	.008		.47	.56
			the interval.	35138	39	40	1.0	.010	.005	1.00	2.19
				35139	40	41	1.0	.003	.003	.24	.31
200'	228'	100%	LIGHT COLOURED TRACHYTE TUFFS	35140	41	42	1.0	.006		.32	.41
61.5m	70.1m		Cpy (1%) dissem. and py (3-4%) dissem. and loc.	35141	42	43	1.0	.004		.24	.34
			stringers < 3mm wide. Hem. (2%) dissem.	35142	43	44	1.0	.007		.37	.33

continued.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon.

HOLE No. 90-DDH-1
Redrill - DDH-BC-57-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
200'	53°	44.5°
407'	53°	44.5°
600'	52.5°	44.0°
747'	52.2°	43.8°

Hole No. 90-DDH-1 Sheet No. 3/11
Section
Date Begun 02-9-90
Date Finished 04-9-90
Date Logged 03-9-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 3905'

Total Depth 747' (229.8m)
Logged By R. Peden
Claim CC.6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			continued.	35143	44	45	1.0	.008		.51	.67
			Wk. carbonate alteration and K-feldspathization,	35144	45	46	1.0	.004		.45	.44
			A fine grained rock.	35145	46	47	1.0	.010		.61	1.62
				35146	47	48	1.0	.007		.87	.88
228'	265'	100%	DARK COLOURED TRACHYE - ANDESITE TUFFS.	35147	48	49	1.0	.065		.25	.23
70.1m	81.5m		Intense K-feldspathization and wk carbonate	35148	49	50	1.0	.046	.044	.26	.27
			alteration and sericitization.	35149	50	51	1.0	.011	.010	1.16	.72
			Cpy (<1%) and py (<1%) dissem.	35150	51	52	1.0	.004		.27	.38
			A fine to medium grained rock.	35151	52	53	1.0	.003		.11	.09
				35152	53	54	1.0	.002		.09	.10
265'	285'	100%	CREAM COLOURED TRACHYTE DYKE	35153	54	55	1.0	.013		.25	.17
81.5m	87.7m		A fine grained, bonded sugary textured dyke.	35154	55	56	1.0	.012		.25	.16
			Cpy (<0.1%) and hematite (<1%) dissem.	35155	56	57	1.0	.013		.51	.81
			Pervasive but weak carbonate alteration.	35156	57	58	1.0	.013		.54	1.42
				35157	58	59	1.0	.010		.40	.69
285'	358'	100%	PORPHYRITIC TRACHYE-ANDESITE TUFFS	35158	59	60	1.0	.005	.004	.33	.36
87.7m	110.1m		Cpy (4-5%) dissem, poorly defined clots (<2cm-	35159	60	61	1.0	.037		1.85	1.13
			wide) and stringers (<2cm wide). Cpy is abundant	35160	61	62	1.0	.019		.92	1.68
			along microfractures with py. Py (1%) and hem. (2%)	35161	62	63	1.0	.023		.10	.01
			dissem. Mag. (2%) dissem. and minor fluorite	35162	63	64	1.0	.017		.10	.02
			dissem associated with localised quartz veins	35163	64	65	1.0	.008		<.05	.01

Continued

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-1
Redrill of DDH-BC-57-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
200'	53°	44.5°
402'	53°	44.5°
602'	52.5°	44.0°
747'	52.2°	43.8°

Hole No. 90-DDH-1 Sheet No. 4/11
Section
Date Begun 02-9-90
Date Finished 04-9-90
Date Logged 03-7-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 3905'

Total Depth 747' (229.8m)
Logged By R. Peden
Claim CC 6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			continued.								
			(< 1cm wide). Copper oxide staining after	35164	65	66	1.0	.002		<.05	.01
			sulphide is abundant along microfractures.	35165	66	67	1.0	.003		<.05	.01
			Wk. K-feldspathization, biotitization and	35166	67	68	1.0	.002		<.05	.01
			carbonate alteration.	35167	68	69	1.0	<.001		<.05	.01
			The rock has a weak fracture.	35168	69	70	1.0	.003	.002	<.05	.01
				35169	70	71	1.0	.002		<.05	.01
358'	371'	100%	K-SPAR SYENITE MEGAPORPHYRY DYKE	35170	71	72	1.0	<.001		<.05	.01
110.1m	120.3m		An intramineralised dyke with 2-3 cm wide euhedral	35171	72	73	1.0	<.001		<.05	.01
			K-spar phenocrysts and a fine grained matrix.	35172	73	74	1.0	<.001		<.05	.01
			Cpy (<1%) and py (<1%) dissem.	35173	74	75	1.0	<.001		<.05	.01
			Dyke margins are mineralised with mm-wide	35174	75	76	1.0	.003		<.05	.01
			veinlets of cp, py, hematite, fluorite and	35175	76	77	1.0	<.001		<.05	.01
			anhydrite. Zeolite clay and fspar are localised along	35176 margins.	77	78	1.0	.004		<.05	.01
			Pervasive but weak carbonate alteration. Wk.	35177	78	79	1.0	.016		.07	.01
			K-feldspathization and ± biotitization and	35178	79	80	1.0	.010	.009	<.05	.01
			sericitization.	35179	80	81	1.0	.034	.036	<.05	.01
				35180	81	82	1.0	.016		.09	.10
371'	402'	100%	DARK COLOURED FINE GRAINED TRACHYE-ANDESITE TUFF	35181	82	83	1.0	<.001		<.05	<.01
120.3m	123.7m		Cpy (2%) and py (6%) dissem. and stringer-clots	35182	83	84	1.0	<.001		<.05	<.01
			< 2 cm wide. Biotite (20%) stringer clots (poorly	35183	84	85	1.0	<.001		<.05	<.01
			defined). A porphyritic texture is absent.	35184	85	86	1.0	<.001		.06	.01

continued

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-1
Redrill of DDH-BC-57-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
200'	53°	44.5°
407'	53°	44.5°
600'	52.5°	44.0°
747'	52.2°	43.8°

Hole No. 90-DDH-1 Sheet No. 5/11
Section
Date Begun 02-9-90
Date Finished 04-9-90
Date Logged 04-9-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 3905'

Total Depth 747' (229.8m)
Logged By R. PEDEN
Claim CC 6
Core Size N.Q

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			continued								
			Pervasive but weak carbonate alteration. Wk.	35185	86	87	1.0	.001		<.05	.01
			biotitization and K-feldspathization.	35186	87	88	1.0	.018		.41	.65
				35187	88	89	1.0	.037		.19	.28
402'	451'	100%	PORPHYRITIC TRACHYTE TUFFS AND TUFF-BRECCIAS	35188	89	90	1.0	.128	.131	.38	.48
123.7m	138.7m		Cpy (2%) dissem. Py (5%) dissem. and stringer-	35189	90	91	1.0	.172	.157	.25	.24
			veinlets < 5mm wide. Mag (2%) dissem. and	35190	91	92	1.0	.214	.198	.50	.80
			minor hem. (after mag.) and fluorite dissem.	35191	92	93	1.0	.101	.109	.53	.86
			Mod. K-feldspathization and wk. carbonate	35192	93	94	1.0	.094	.094	.50	.90
			alteration	35193	94	95	1.0	.081	.068	.27	.31
			Breccia fragments are angular < 8cm-wide.	35194	95	96	1.0	.101	.087	.26	.35
				35195	96	97	1.0	.141	.134	.41	.67
451'	517'	100%	COARSE GRAINED K-SPAR PHYRIC TRACHYTE	35196	97	98	1.0	.066		.33	.77
138.7m	159m		FLOWS AND MINOR TUFF-BRECCIAS	35197	98	99	1.0	.080	.076	.31	.90
			Cpy (< 0.5%) dissem. Py (4%) dissem. and	35198	99	100	1.0	.240	.226	.51	1.47
			stringers < 8mm wide. Specular hem. (1%) dissem.	35199	100	101	1.0	.045		.24	.43
			Euhedral K-spar phenocrysts (< 5cm long) are	35200	101	102	1.0	.088	.083	.20	.40
			commonly broken and fragmented. Flow text.	35201	102	103	1.0	.210	.195	.40	.69
			is defined by irregular fspar alignment.	35202	103	104	1.0	.109	.118	.54	.64
				35203	104	105	1.0	.475	.418 -.449	.49	.90
517'	518'	100%	K-SPAR SYENITE MEGAPORPHYRY DYKE	35204	105	106	1.0	.026		.26	.40
159m	159.4m		Cpy (< 1%) dissem. Py (1%) dissem. and spec.	35205	106	107	1.0	.024		.29	.36

continued

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-1
Redrill of DDH-BC-57-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
200'	53°	44.5°
407'	53°	44.5°
620'	52.5°	44.0°
747'	52.2°	43.0°

Hole No. 90-DDH-1 Sheet No. 6/11
Section
Date Begun 02-9-90
Date Finished 04-9-90
Date Logged 04-9-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 3905'

Total Depth 747' (229.8m)
Logged By R. PEDEN
Claim CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			Continued								
			Hematite (< 1%) dissem.	35206	107	108	1.0	.058		.41	.87
			± Sericitization, K-feldspathization and biotitization	35207	108	109	1.0	.041		.29	.52
				35208	109	110	1.0	.105	.102	.55	1.94
518'	526'	100%	As above for interval 451' - 517'	35209	110	111	1.0	.108	.102	.39	.54
159.4m	161.8m		Cpy (< 0.5%) and py (4.0%) dissem with	35210	111	112	1.0	.033		.07	.14
			localised stringers upto 1cm-wide.	35211	112	113	1.0	.020		.13	.21
				35212	113	114	1.0	.038		.12	.25
526'	546'	100%	GREY COLOURED TRACHYTE TUFF-BRECCIAS AND FLOWS	35213	114	115	1.0	.039		.20	.14
161.8m	166m		No cpy. Py (2%) and hem (2%) dissem.	35214	115	116	1.0	.008		.06	.04
			Mag (< 1%) v. finely dissem.	35215	116	117	1.0	.006		<.05	.02
			WK K-feldspathization, carbonate alteration	35216	117	118	1.0	.007		.15	.08
			and chloritization and ± biotitization.	35217	118	119	1.0	.009		<.05	.01
			Phenocryst phases are absent. Volc. lithic fragments	35218	119	120	1.0	.007	.010	.07	.09
			are irregular in outline < 10cm-wide.	35219	120	121	1.0	.027	.032	.27	.44
				35220	121	122	1.0	.017		.16	.26
546'	591'	100%	GREY-MAROON COLOURED TRACHYTE TUFF-BRECCIAS	35221	122	123	1.0	.054		.16	.27
166m	181.8m		Py (3%) and spec. hem (5%) dissem. Minor fluorite	35222	123	124	1.0	.031		.19	.40
			dissem.	35223	124	125	1.0	.014		.10	.17
			Mod. K-feldspathization, wk. biotitization and	35224	125	126	1.0	.022		.20	.37
			carbonate alteration (with localised veining along	35225	126	127	1.0	.010		.17	.30
			microfractures.	35226	127	128	1.0	.021		.25	.56

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-1
Redrill DDH-BC-57-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
200'	53°	44.5°
407'	53°	44.5°
600'	52.5°	44.0°
747'	52.2°	43.0°

Hole No. 90-DDH-1 Sheet No. 7/11
Section
Date Begun 02-9-90
Date Finished 04-9-90
Date Logged 05-9-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 3905'

Total Depth 747' (229.8m)
Logged By R PEDEN
Claim CC 6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
571'	600'	100%	MAROON COLOURED TRACHYTE TUFFS AND TUFF-BRECCIAS	35227	128	129	1.0	.036		.24	.73
181.8m	184.6m		Breccia fragments are < 5cm wide predominantly	35228	129	130	1.0	.066	.061	.21	.34
			volcanic lithics of trachyte - porphyritic trachyte	35229	130	131	1.0	.037	.031	.11	.12
			origin.	35230	131	132	1.0	.016		.12	.19
			No vis cpy. Py (2%) dissem	35231	132	133	1.0	.015		.07	.02
			WK K-feldspathization and carbonate alteration	35232	133	134	1.0	.005		.09	.12
				35233	134	135	1.0	.013		.10	.22
600'	628'	100%	LIGHT COLOURED TRACHYTE TUFF-BRECCIAS	25234	135	136	1.0	.004		<.05	.02
184.6m	193.2m		No vis cpy. Py (3%) dissem. and spec. hem. (2%)	25235	136	137	1.0	.008		.05	.02
			dissem.	25236	137	138	1.0	.022		.05	.03
			Wk to mod K-feldspathization and wk. carbonate	25237	138	139	1.0	.010		.06	.02
			alteration	25238	139	140	1.0	.008		.08	.10
			The rock has a weak fracture	25239	140	141	1.0	.005		.05	.02
				25240	141	142	1.0	.008		.12	.17
628'	704'	100%	TRACHYTE-ANDESITE TUFF-BRECCIAS	25241	142	143	1.0	.025		.15	.22
193.2m	216.6m		Py (1%) v. finely dissem. Earthy hematite (1%)	25242	143	144	1.0	.015		.14	.17
			and specular hematite (1%) dissem. and along	25243	144	145	1.0	.008		.19	.38
			microfractures.	25244	145	146	1.0	.004		.12	.19
			Wk chloritization and ± sericitization.	25245	146	147	1.0	.008		.07	.09
				25246	147	148	1.0	.008		.11	.17
				35247	148	149	1.0	.027		.13	.21

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-1
Redrill DDH-BC-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
200'	53°	44.5°
400'	53°	44.5°
600'	52.5°	44.0°
747	52.2°	43.5°

Hole No. 90-DDH-1 Sheet No. 9/11
Section
Date Begun 02-9-90
Date Finished 04-9-90
Date Logged 05-9-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 3905'

Total Depth 747' (229.8m)
Logged By R. Peden
Claim CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
704'	707'	100%	PORPHYRITIC TRACHYTE	35248	149	150	1.0	.006		.12	.14
216.6m	217.5m		Trace py (<0.1%) and minor hem. dissem.	35249	150	151	1.0	.005		.06	.08
			The rock has a weak fracture.	35250	151	152	1.0	.009		.07	.04
			Mod. chloritization and weak carbonate	35251	152	153	1.0	.004		.06	.03
			alteration.	35252	153	154	1.0	.002		.08	.08
				35253	154	155	1.0	.001		.09	.10
707'	707½'	100%	FAULT GOUGE (clay)	35254	155	156	1.0	.012		.12	.10
217.5m	217.7m			35255	156	157	1.0	.002		.07	.03
				35256	157	158	1.0	.001		.08	.05
707½'	708'	100%	K-SPAR SYENITE MEGAPORPHYRY DYKE	35257	158	159	1.0	.003	.002	.09	.11
217.7m	217.8m		Cpy (2%) and py (1%) dissem.	35258	159	160	1.0	Not recorded		-	-
			K-spar phenocrysts are 2-3cm wide with	35259	160	161	1.0	.001	.003	.06	.03
			euhedral faces.	35260	161	162	1.0	.003	.004	.05	.02
			Wk chloritization and ± sericitization	35261	162	163	1.0	.003		<.05	.01
				35262	163	164	1.0	.002		<.05	.01
708'	732½'	100%	As above for interval 704'- 707'	35263	164	165	1.0	.002		.05	.01
217.8m	225.4m			35264	165	166	1.0	.003		<.05	.01
732½'	747'	100%	K-SPAR SYENITE MEGAPORPHYRY DYKE	35265	166	167	1.0	.003		<.05	.01
225.4m	229.8m		An intra-mineralised dyke with py (<1%)	35266	167	168	1.0	.001		<.05	<.01
E.O.H.			and minor hematite dissem. K-spar phenocrysts	35267	168	169	1.0	.003		.05	.01
			up to 3cm long. ± sericitization.	35268	169	170	1.0	.001	.002	<.05	.01

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-1
Redrill DDH-BC-57-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
200'	53°	44.5°
407'	63°	44.5°
600'	52.5°	44.0°
747'	52.2°	43.8°

Hole No. 90-DDH-1 Sheet No. 9/11
Section
Date Begun 02-9-90
Date Finished 04-9-90
Date Logged 05-9-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 3905'

Total Depth 747' (229.8m)
Logged By R Peden
Claim CC 6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			Rock competency;	35269	170	171	1.0	.005	.003	<.05	.01
			Generally the rock competency is good	35270	171	172	1.0	.002		<.05	.01
			with a weak pervasive fracture in the	35271	172	173	1.0	.001		<.05	.01
			intervals 138'-200', 295'-350' and	35272	173	174	1.0	.001		<.05	.01
			590'-747'.	35273	174	175	1.0	.002		<.05	.01
				35274	175	176	1.0	.001		<.05	.01
				35275	176	177	1.0	.004		<.05	.01
				35276	177	178	1.0	.001		<.05	.01
				35277	178	179	1.0	.003		.05	.01
				35278	179	180	1.0	.001	<.001	.05	.01
				35279	180	181	1.0	.001		.05	.01
				35280	181	182	1.0	<.001		<.05	<.01
				35281	182	183	1.0	<.001		.07	.02
				35282	183	184	1.0	<.001		.06	.03
				35283	184	185	1.0	<.001		.11	.12
				35284	185	186	1.0	.006		.07	.02
				35285	186	187	1.0	<.001		.05	.01
				35286	187	188	1.0	<.001	<.001	.05	.02
				35287	188	189	1.0	<.001		.09	.02
				35288	189	190	1.0	<.001		.06	.01
				35289	190	191	1.0	<.001		.06	.01

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-1
Redrill DDH-BC-57-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
200'	53°	44.5°
407'	53°	44.5°
606'	52.5°	44.0°
747'	52.2°	43.8°

Hole No. 90-DDH-1 Sheet No. 10/11
Section
Date Begun 02-9-90
Date Finished 04-9-90
Date Logged 05-9-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 3705'

Total Depth 747' (229.8m)
Logged By R. Peden
Claim CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
				35290	191	192	1.0	<.001		.05	.02
				35291	192	193	1.0	<.001		.05	.01
				35292	193	194	1.0	<.001		.05	.01
				35293	194	195	1.0	.002		<.05	<.01
				35294	195	196	1.0	<.001		<.05	<.01
				35295	196	197	1.0	<.001		.05	.01
				35296	197	198	1.0	<.001	<.001	.05	<.01
				35297	198	199	1.0	<.001	<.001	.05	<.01
				35298	199	200	1.0	<.001		.06	<.01
				35299	200	201	1.0	<.001		<.05	<.01
				35300	201	202	1.0	<.001		<.05	<.01
				35301	202	203	1.0	<.001		<.05	.01
				35302	203	204	1.0	<.001		<.05	.01
				35303	204	205	1.0	<.001		<.05	.07
				35304	205	206	1.0	<.001		<.05	.02
				35305	206	207	1.0	<.001		<.05	<.01
				35306	207	208	1.0	<.001		<.05	.02
				35307	208	209	1.0	<.001	<.001	<.05	.01
				35308	209	210	1.0	<.001	<.001	<.05	.01
				35309	210	211	1.0	<.001		<.05	.02
				35310	211	212	1.0	<.001		.06	.02

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-1
Redrill DDH-BC-57-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
200'	53°	44.5°
407'	53°	44.5°
600'	52.5°	44.0°
747'	52.2°	43.8°

Hole No. 90-DDH-1 Sheet No. 1/1
Section
Date Begun 02-9-90
Date Finished 04-9-90
Date Logged 05-9-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 3905

Total Depth 747' (229.8m)
Logged By R. Peden
Claim CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
				35311	212	213	1.0	<.001		<.05	<.01
				35312	213	214	1.0	<.001		<.05	.01
				35313	214	215	1.0	<.001		.06	<.01
				35314	215	216	1.0	<.001		.06	.01
				35315	216	217	1.0	<.001		<.05	.01
				35316	217	218	1.0	<.001		.10	.08
				35317	218	219	1.0	<.001	<.001	<.05	<.01
				35318	219	220	1.0	<.001		<.05	.01
				35319	220	221	1.0	<.001		<.05	<.01
				35320	221	222	1.0	.015	.013	<.05	<.01
				35321	222	223	1.0	.002		.05	.02
				35322	223	224	1.0	<.001		.05	.01
				35323	224	225	1.0	<.001		.19	.03
				35324	225	226	1.0	<.001		.05	.02
				35325	226	227	1.0	<.001		<.05	<.01
				35326	227	228	1.0	<.001		<.05	.01
				35327	228	229	1.0	<.001	<.001	<.05	<.01
				35328	229	229.8	0.8	<.001		<.05	.01
				END OF HOLE							

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-2
Redrill of DDH-BC-57-7

DIP TEST		
	Angle	
Footage	Reading	Corrected
898'	90°	90°

Hole No. 90-DDH-2 Sheet No. 1/13
Section
Date Begun 04-09-90
Date Finished 08-09-90
Date Logged 06-09-90

Lat.
Dep.
Bearing Vertical hole
Elev. Collar 3905'

Total Depth 898' (276.3m)
Logged By R. PEDEN
Claim CCC
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
0'	20'	8.2%	Casing to 20'. Moraine and Coarse Grained	35329	5.6	6	0.4	.014		.69	1.21
0m	6.1m		K-spar Phyric Trachyte flows with minor	35330	6	7	1.0	.030		.74	1.59
			Tuff-breccias. Moraine 0'–18'	35331	7	8	1.0	.020		.15	.74
				35332	8	9	1.0	.015		.39	.61
18'	77'	100%	Coarse Grained K-spar Phyric Trachyte Flows	35333	9	10	1.0	.017	.015	.10	.53
5.5m	23.5m		with minor Tuff-Breccias	35334	10	11	1.0	.005		<.05	.17
			Cpy (3%) dissem. and localised clots <2cm-wide	35335	11	12	1.0	.022		.10	.47
			Py (1-2%) finely dissem. Minor fluorite (1%) and	35336	12	13	1.0	.011		.37	.53
			hem. (1%) dissem.	35337	13	14	1.0	.010		.29	.42
			Chryso. (<1%) and biot. (10–12%) dissem.	35338	14	15	1.0	.015	.012	.45	.97
			Dark copper-oxide staining after sulphides.	35339	15	16	1.0	.024		.70	1.17
			Mod. K-feldspathization, wk carbonate alteration,	35340	16	17	1.0	.019		.35	.61
			± wk. biotitization and calc-silicate (grt.)	35341	17	18	1.0	.012		.24	.54
			alteration. The rock is also weakly limonitized.	35342	18	19	1.0	.013		.32	.56
			K-spar phenocrysts are commonly euhedral to	35343	19	20	1.0	.013	.010	.27	.46
			subhedral, fragmented and zoned (<5cm-wide).	35344	20	21	1.0	.019		.63	1.29
			Breccia fragments are mostly volcanic lithics	35345	21	22	1.0	.044		1.37	3.03
			with fspar fragments.	35346	22	23	1.0	.036		1.04	2.59
			The rock has a fine groundmass and a weak	35347	23	24	1.0	.071		.95	2.67
			rock fracture throughout.	35348	24	25	1.0	.105	.106	1.12	1.60
				35349	25	26	1.0	.132	.112	.84	1.52

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-2
Redrill of DDH-BC-57-7

DIP TEST		
	Angle	
Footage	Reading	Corrected
898'	90°	90°

Hole No. 90-DDH-2 Sheet No. 2/13
Section
Date Begun 04-09-90
Date Finished 08-09-90
Date Logged 06-09-90

Lat.
Dep.
Bearing Vertical hole
Elev. Collar 3905'

Total Depth 898' (276.3m)
Logged By R. PEDEN
Claim CC 6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
77'	170'	100%	DARK COLOURED TRACHYE-ANDESITE TUFFS AND	35350	26	27	1.0	.018		.46	.62
23.5m	51.8m		MINOR TUFF-BRECCIAS	35351	27	28	1.0	.025		.24	.34
			Wk. K-feldspathization, silicification, biotitization	35352	28	29	1.0	.016		.31	.51
			and carbonate alteration.	35353	29	30	1.0	.028	.028	.74	1.06
			Wk. to mod. calc-silicate (grt) alteration and ±	35354	30	31	1.0	.073		1.38	3.00
			chloritization	35355	31	32	1.0	.053		.81	1.85
			Cpy (4%) dissem. and localised stringers	35356	32	33	1.0	.094	.097	1.30	2.82
			(<3cm wide) at 124-125', 127-128' and	35357	33	34	1.0	.085	.091	1.54	3.31
			154-155' associated with biotite (8-10%).	35358	34	35	1.0	.087	.083	1.49	3.24
			Py (2-3%) and minor fluorite, chlorite and	35359	35	36	1.0	.059		.97	2.56
			hem. dissem.	35360	36	37	1.0	.042		.69	1.47
			A weak pervasive rock fracture. K-spar	35361	37	38	1.0	.041		.69	1.36
			phenocrysts < 2-3cm long are set in a v.f.	35362	38	39	1.0	.111	.111	2.06	3.60
			groundmass. Lithic clasts are angular to	35363	39	40	1.0	.035	.041	.56	1.29
			subrounded < 5cm long.	35364	40	41	1.0	.046		.48	1.27
				35365	41	42	1.0	.074		.92	2.24
170'	206'	100%	MAROON COLOURED TRACHYTE CRYSTAL TUFF AND MINOR	35366	42	43	1.0	.051		1.16	1.96
51.8m	62.8m		TUFF-BRECCIAS	35367	43	44	1.0	.062		1.10	2.13
			170'-195' (51.8m-60m), Cpy (4%) and py (3-4%) dissem.	35368	44	45	1.0	.098	.091	1.59	2.78
			Hem. (2-3%), mag. (2-3%), minor chl. and fluorite	35369	45	46	1.0	.118	.114	1.98	3.31
			dissem.	35370	46	47	1.0	.068		1.45	2.23

Continued.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-2
Redrill of DDH-BC-57-7

DIP TEST		
	Angle	
Footage	Reading	Corrected
898'	90°	90°

Hole No. 90-DDH-2 Sheet No. 3/13
Section
Date Begun 04-09-90
Date Finished 08-09-90
Date Logged 06-09-90

Lat.
Dep.
Bearing vertical hole
Elev. Collar 3905'

Total Depth 898' (276.3m)
Logged By R. PEDEN
Claim CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			continued.	35371	47	48	1.0m	.025		.64	.66
			195'-206'(60m-62.8m); Cpy (6%) dissem. and	35372	48	49	1.0	.030		1.06	1.35
			stringer clots < 1cm-wide. Py (4%) dissem. and	35373	49	50	1.0	.083	.092	1.77	1.89
			clots < 1.0cm-wide	35374	50	51	1.0	.085	.091	1.90	2.31
			170'-206'(51.8m-62.8m); Mod. K-Feldspathization,	35375	51	52	1.0	.035		1.30	1.84
			wk. biotitization and ± chloritization.	35376	52	53	1.0	.041		1.55	2.58
			A medium grained rock with crowded fspar	35377	53	54	1.0	.030		1.49	2.44
			phenocrysts.	35378	54	55	1.0	.026	.031	1.27	1.95
206'	212'	100%	TRACHYE-ANDESITE TUFFS AND FLOWS WITH MINOR	35379	55	56	1.0	.031		1.45	2.14
62.8m	65.2m		TUFF-BRECCIAS	35380	56	57	1.0	.015		1.18	1.25
			Cpy (6%) dissem. and fine stringer networks	35381	57	58	1.0	.018		1.39	1.48
			(<4mm wide) associated with biotite (20%)	35382	58	59	1.0	.048		1.07	2.74
			stringer-clots (poorly defined).	35383	59	60	1.0	.031	.032	1.38	1.87
			Py (2-3%) dissem. and fine stringer clots <8mm	35384	60	61	1.0	.111	.102	2.22	2.79
			wide.	35385	61	62	1.0	.065		1.84	2.54
			Mod. biotitization + K-Feldspathization, wk calc-	35386	62	63	1.0	.031		.73	1.14
			silicate (grt) alteration and carbonate alteration.	35387	63	64	1.0	.058		.83	1.60
			Phenocryst phases are absent.	35388	64	65	1.0	.086		1.75	2.86
				35389	65	66	1.0	.042		1.00	1.62
				35390	66	67	1.0	.040		.70	1.14
				35391	67	68	1.0	.044		.92	1.67

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-2
Redrill of DDH-BC-57-7

DIP TEST		
	Angle	
Footage	Reading	Corrected
898'	90°	90°

Hole No. 90-DDH-2 Sheet No. 4/13
Section
Date Begun 04-09-90
Date Finished 08-09-90
Date Logged 06-09-90

Lat.
Dep.
Bearing vertical hole
Elev. Collar 3905'

Total Depth 898' (276.3m)
Logged By R. PEDEN
Claim CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
212'	217'	100%	MAROON COLOURED, FINE TO MEDIUM GRAINED TRACHYTE	35392	64.8	69	1.0	.043		.84	1.69
65.2m	66.8		TUFFS AND FLOWS.	35393	69	70	1.0	.151	.153	2.36	5.41
			Cpy (4%) dissem. and poorly defined stringers <5mm	35394	70	71	1.0	.061		.95	2.29
			wide. Py (3-4%) dissem. and spec. hem. (1-2%) dissem.	35395	71	72	1.0	.044		.80	1.48
			Mod K-feldspathization and biotitization and wk.	35396	72	73	1.0	.089	.104	1.33	4.40
			carbonate alteration	35397	73	74	1.0	.140	.138	2.56	3.95
				35398	74	75	1.0	.141	.141	1.81	3.92
217'	275'	100%	DARK COLOURED TRACHYE-ANDESITE TUFFS AND FLOWS.	35399	75	76	1.0	.113	.141	3.59	4.78
66.8m	84.6m		Cpy (4%) dissem., clots <3.5cm wide and massive	35400	76	77	1.0	.230	.159 .137	2.51	5.55
			stringer clots <3.5cm wide at 236'-237', 241',	35401	77	78	1.0	.107	.100	1.96	3.91
			244-245', 248-249' and 255'-257'.	35402	78	79	1.0	.125	.125	2.08	5.34
			At 235'-258' (72.3m-78.4m) cpy (6%) is dissem. and	35403	79	80	1.0	.046	.051	1.09	2.88
			massive clots <3.0cm wide are assoc. with biot.	35404	80	81	1.0	.018		.30	.91
			Py (4-5%) dissem. and stringer clots <1.5cm wide.	35405	81	82	1.0	.035		.93	2.46
			Minor fluorite and spec. hem. (3%) dissem. localised	35406	82	83	1.0	.054		.58	2.17
			chabazite.	35407	83	84	1.0	.054		.68	2.85
			Mod. to intense calc-silicate alteration and biotitization,	35408	84	85	1.0	.041	.032	.63	1.72
			mod K-feldspathization and wk. carbonate alteration.	35409	85	86	1.0	.018		.39	.65
			± chloritization and albitization	35410	86	87	1.0	.066		.74	1.07
				35411	87	88	1.0	.057		.68	.92
				35412	88	89	1.0	.026		.53	.49

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-2
Redrill of DDH- BC-57-7

DIP TEST		
	Angle	
Footage	Reading	Corrected
898'	90°	90°

Hole No. 90-DDH-2 Sheet No. 5/13
Section
Date Begun 04-09-90
Date Finished 08-09-90
Date Logged 06-09-90

Lat.
Dep.
Bearing vertical hole
Elev. Collar 3905'

Total Depth 898' (276.3m)
Logged By R. PEDEN
Claim CCG
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
275'	324'	100%	GREY COLOURED, MEDIUM GRAINED LATITE,	35413	89	90	1.0	.014	.013	.45	.72
84.6m	99.7m		A similar rock type to that of interval 70'-170'.	35414	90	91	1.0	.030		.47	.88
			Cpy (2%) dissem. and localised clots <2cm wide.	35415	91	92	1.0	.086	.087	1.29	3.18
			Py (1%) v.f. dissem. Spec. hem (2%), minor fluorite	35416	92	93	1.0	.022		.40	.74
			and chabazite dissem.	35417	93	94	1.0	.020		.30	.72
			Wk to mod. K-feldspathization, wk carbonate	35418	94	95	1.0	.029	.033	.38	.94
			alteration and ± wk chloritization	35419	95	96	1.0	.019		.32	.61
				35420	96	97	1.0	.021		.32	.49
324'	334'	100%	LIGHT COLOURED, MEDIUM GRAINED MONZONITE	35421	97	98	1.0	.013		.18	.34
99.7m	102.8m		Mod. chloritization, wk K-Feldspathization and	35422	98	99	1.0	.007		.20	.39
			carbonate alteration and minor clay development.	35423	99	100	1.0	.003	.003	.08	.03
			Py (<0.5%) dissem. Biot (8%) and mag (3%) dissem.	35424	100	101	1.0	.002		.05	.03
			An equigranular rock with anhedral fspars-chlorite-	35425	101	102	1.0	.001		.06	.02
			biot-qtz and mag.	35426	102	103	1.0	.022		.25	.27
				35427	103	104	1.0	.042		.55	.57
334'	348'	100%	LATITE TUFFS AND FLOWS	35428	104	105	1.0	.106	.121	.68	1.27
102.8m	107.0m		Cpy (2-3%) dissem. and localised stringer clots (3%)	35429	105	106	1.0	.035		.32	.40
			<1cm wide. Py (1-2%) finely dissem. and localised	35430	106	107	1.0	.104	.108	1.23	2.04
			clots <8mm-wide. Minor spec. hem. (1%) dissem.	35431	107	108	1.0	.022		.33	.36
			Mod. K-feldspathization and wk carbonate alteration	35432	108	109	1.0	.108	.091	1.13	1.62
			Wk chloritization and ± biotitization.	35433	109	110	1.0	.359	.382 .467	3.90	3.17

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-2
Redrill OF DDH-BC-57-7

DIP TEST		
	Angle	
Footage	Reading	Corrected
898'	90°	90°

Hole No. 90-DDH-2 Sheet No. 6/13
Section
Date Begun 04-09-90
Date Finished 08-09-90
Date Logged 08-09-90

Lat.
Dep.
Bearing vertical hole
Elev. Collar 3905'

Total Depth 898' (276.3m)
Logged By R. PEDEN
Claim CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
348'	440'	100%	DARK COLOURED ANDESITIC TUFFS AND FLOWS.	35434	110	111	1.0	.272	.275 .273	2.84	3.80
107m	135.4m		Cpy (3±%) dissem. and stringer clots assoc. with	35435	111	112	1.0	.100	.075	1.33	1.63
			py, <2-3cm wide. Py (4%) dissem. and stringer-	35436	112	113	1.0	.087	.081	.94	1.19
			clots < 4mm wide.	35437	113	114	1.0	.052		1.04	.63
			Earthy hem. (6%) veining and dissem. Minor fluorite	35438	114	115	1.0	.040		.79	.70
			dissem.	35439	115	116	1.0	.041		.79	.63
			Intense calc-silicate (grt) alteration with zones	35440	116	117	1.0	.036		.74	.59
			of grt veining at 357', 404' and 432' (assoc. with	35441	117	118	1.0	.043		.84	.78
			sulphides). Wk to mod K-feldspathization, ±	35442	118	119	1.0	.059		1.36	1.20
			wk chloritization and silicification	35443	119	120	1.0	.053	.058	1.36	1.17
				35444	120	121	1.0	.034		.72	.57
440'	576.5'	100%	TRACHYE - ANDESITE TUFFS AND FLOWS	35445	121	122	1.0	.022		.56	.45
135.4m	177.4m		Cpy (3%) dissem. and localised clots <1.5cm wide.	35446	122	123	1.0	.139	.140	2.39	2.97
			Py (4%) dissem. and localised stringers assoc.	35447	123	124	1.0	.070		1.46	1.55
			with hematite. Minor chabazite dissem.	35448	124	125	1.0	.066	.060	1.07	.69
			440'-540'; Mod K-feldspathization, wk and pervasive	35449	125	126	1.0	.012	.	.60	.50
			carbonate alteration, mod. calc-silicate (grt)	35450	126	127	1.0	.058		.85	.83
			alteration with a pale brown coloured veining. Two	35451	127	128	1.0	.073		1.34	1.43
			zones of intense grt (calc-silicates) at 348'-440'	35452	128	129	1.0	.044		.94	.87
			and 490'-576'. Wk biotitization	35453	129	130	1.0	.207	.227	3.71	6.99
			540'-576.5'; Mod K-feldspathization and	35454	130	131	1.0	.193	.144 .169	2.43	4.48

NEVILLE CROSBY INC.

continued.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-2
Redrill of DDH-BC-57-7

DIP TEST		
	Angle	
Footage	Reading	Corrected
898'	90°	90°

Hole No. 90-DDH-2 Sheet No. 7/13 Lat.
Section Dep.
Date Begun 04-09-90 Bearing vertical hole
Date Finished 08-09-90 Elev. Collar 3905'
Date Logged 08-09-90

Total Depth 898' (276.3m)
Logged By R. PEDEN
Claim CCG
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			continued	35455	131	132	1.0	.127	.133	2.63	3.15
			calc-silicate (grt) alteration with grt veins <6mm wide. wk silicification	35456	132	133	1.0	.110	.100	1.79	2.37
				35457	133	134	1.0	.144	.124 .134	1.77	2.32
576.5'	608'	100%	COARSE GRAINED K-SPAR PHYRIC TRACHYTE FLOWS	35458	134	135	1.0	.123	.118	.93	1.00
177.4m	187m		AND TUFF-BRECCIAS (Relogged as syenite megaporphyritic intrusive breccia)	35459	135	136	1.0	.021		.40	.45
			Cpy (1%) dissem. and minor clots, Py (2-3%)	35460	136	137	1.0	.015		.19	.32
			f. dissem. and poorly defined stringers. Breccia	35461	137	138	1.0	.804	.896 .720	.37	.17
			fragments <5cm long, fspr fragments are zoned,	35462	138	139	1.0	.045	.046	.18	.11
			angular and <2cm wide.	35463	139	140	1.0	.020	.015	.10	.08
			Mod K-feldspathization, wk carbonate alteration	35464	140	141	1.0	.012		.15	.11
			and biotitization.	35465	141	142	1.0	.004		.14	.10
				35466	142	143	1.0	.062		.80	.79
608'	622'	100%	MONZONITE	35467	143	144	1.0	.022		.44	.35
187m	191.4m		Py (1-2%) dissem. Minor fluorite dissem. Wk. but	35468	144	145	1.0	.004		1.12	1.04
			pervasive carbonate alteration with veinlets <2mm	35469	145	146	1.0	.015		.17	.12
			wide.	35470	146	147	1.0	.017		.33	.27
			At 608' a sharp contact dips 25° to the core	35471	147	148	1.0	.030		.90	.77
			axis. An equigranular rock with 2 fspars-qtz-	35472	148	149	1.0	.016		.57	.40
			biot and epi.	35473	149	150	1.0	.036	.039	.78	.75
				35474	150	151	1.0	.033		.52	.43
				35475	151	152	1.0	.054		.92	1.04

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-2
Redrill of DDH-BC-57-7

DIP TEST		
	Angle	
Footage	Reading	Corrected
898'	90°	90°

Hole No. 90-DDH-2 Sheet No. 8/13
Section
Date Begun 04-09-90
Date Finished 08-09-90
Date Logged 08-09-90

Lat.
Dep.
Bearing Vertical hole
Elev. Collar 3905'

Total Depth 898' (276.3m)
Logged By R. REDEN
Claim CCG
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
622'	767.5'	100%	COARSE GRAINED K-SPAR PHYRIC TRACHYTE FLOWS AND	35476	152	153	1.0	.042		.86	.58
191.4m	236.1m		TUFFS WITH MINOR TUFF-BRECCIAS (Relogged as syenite megapor. int. breccia)	35477	153	154	1.0	.061		.44	.43
			Brecciated fragments include lithics (volc.) and	35478	154	155	1.0	.028		.75	.56
			K-spar phenocrysts <3cm-wide.	35479	155	156	1.0	.010		.42	.34
			Cpy (3%) f. dissem. and localised stringer clots	35480	156	157	1.0	.099	.106	1.52	1.13
			<2cm-wide assoc. with py. Py (4-5%) dissem.	35481	157	158	1.0	.028		.55	.34
			and localised stringer-clots. Spec hem. (2-4%) dissem	35482	158	159	1.0	.115	.110	.58	.62
			and stringers <2mm wide assoc. with carbonate	35483	159	160	1.0	.026	.029	.67	.76
			veining along microfractures. Qtz veining and	35484	160	161	1.0	.020		.41	.35
			fspr-qtz clots are localised (<2cm-wide). Gypsum	35485	161	162	1.0	.054		.81	.59
			veining <4mm-wide is localised and associated	35486	162	163	1.0	.043		.41	.32
			with anhydrite veining along hairline microfractures.	35487	163	164	1.0	.021		.19	.10
			Minor fluorite dissem.	35488	164	165	1.0	.066	.073	.81	.84
			Wk to Mod calc-silicate (grt) alteration, wk	35489	165	166	1.0	.035		.50	.45
			K-Feldspathization and carbonate alteration, ±	35490	166	167	1.0	.023		.44	.38
			wk silicification and minor clay development.	35491	167	168	1.0	.034		.33	.36
				35492	168	169	1.0	.057		.48	.50
767.5'	805'	100%	K-SPAR SYENITE MEGAPORPHYRY DYKE	39493	169	170	1.0	.020	.018	.29	.23
236.1m	247.7m		An intra-mineralised dyke with cpy (2-3%) dissem.	35494	170	171	1.0	.370	.386 .394	.29	.17
			and localised clots and stringers <5mm wide.	35495	171	172	1.0	.268	.260 .276	.24	.19
			Py (2-3%) dissem. and localised stringers <5mm-wide	35496	172	173	1.0	.096	.110	.18	.25

continued.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90 - DDH - 2
Redrill of DDH-BC-57-7

DIP TEST		
	Angle	
Footage	Reading	Corrected
898'	90°	90°

Hole No. 90-DDH-2 Sheet No. 9/13
Section
Date Begun 04 - 09 - 90
Date Finished 08 - 09 - 90
Date Logged 09 - 09 - 90

Lat.
Dep.
Bearing Vertical hole
Elev. Collar 3905'

Total Depth 898' (276.3m)
Logged By R. PEDEN
Claim CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			Continued.								
			Spec hem. (1%) dissem.	35497	173	174	1.0	.130	.121	.19	.25
			± wk sericitization	35498	174	175	1.0	.236	.250	.23	.29
				35499	175	176	1.0	.027		.22	.36
805'	832'	100%	DARK COLOURED TRACHYE-ANDESITE TUFFS AND FLOWS	35500	176	177	1.0	.031		.18	.18
247.7m	256m		Cpy (2-3%) and py (3-4%) dissem., clots < 1cm wide	35501	177	178	1.0	.052		.17	.77
			and stringers <5mm-wide	35502	178	179	1.0	.026		.12	.26
			Hem (2%) f. dissem and along hairline stringers.	35503	179	180	1.0	.010	.012	.19	.40
			Biotite (8%) dissem.	35504	180	181	1.0	.013		.16	.23
			Wk K-feldspathization, carbonate alteration and	35505	181	182	1.0	.016		.10	.20
			biotitization.	35506	182	183	1.0	.015		.15	.55
				35507	183	184	1.0	.025		.22	1.12
832'	871'	100%	COARSE GRAINED, DARK COLOURED K-SPAR PHYRIC	35508	184	185	1.0	.016		.11	.32
256m	268m		TRACHYTE FLOWS AND MINOR TUFFS AND TUFF-BRECCIAS	35509	185	186	1.0	.010		.12	.35
			Stratification at 852' dips 10° to the core axis (a	35510	186	187	1.0	.020		.12	.55
			sharp contact between porphyritic trachyte tuffs	35511	187	188	1.0	.014		.08	.18
			and flow breccias).	3592	188	189	1.0	.010		.10	.09
			Cpy (2-3%) and py (2-3%) dissem. and fine	35513	189	190	1.0	.005	.009	.10	.17
			stringer clots < 3mm wide. Minor fluorite and	35514	190	191	1.0	.004		.07	.11
			spec. hem (2%) dissem.	35515	191	192	1.0	.002		.14	.04
			Wk K-feldspathization and biotitization. ± chloritization	35516	192	193	1.0	.016		.07	.09
			(Relogged as syenite megaporphyry intrusive	35517	193	194	1.0	.009		.12	.16
			breccia).								

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-2
Redrill of DDH-BC-57-7

DIP TEST		
	Angle	
Footage	Reading	Corrected
898'	90°	90°

Hole No. 90-DDH-2 Sheet No. 10/13
Section
Date Begun 04-09-90
Date Finished 08-09-90
Date Logged 09-09-90

Lat.
Dep.
Bearing vertical hole
Elev. Collar 3905'

Total Depth 898' (276.3m)
Logged By R. PEDEN
Claim CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
871'	875'	100%	PINK COLOURED PORPHYRITIC TRACHYTE FLOW-BRECCIA	35518	194	195	1.0	.013		.12	.68
268m	269.2m		Py (5%) dissem. Spec and earthy hem. (5%) and	35519	195	196	1.0	.011		.15	1.07
			minor fluorite dissem.	35520	196	197	1.0	.018		.16	.32
			Intense K-feldspathization and wk carbonate	35521	197	198	1.0	.043		.38	2.13
			alteration.	35522	198	199	1.0	.037		.30	1.23
				35523	199	200	1.0	.013		.20	.49
875'	898'		As for interval 832'-871' (including alteration).	35524	200	201	1.0	.014		.19	.70
269.2m	276.3m		py (4-5%) dissem. and specular hem (4-5%) dissem.	35525	201	202	1.0	.010		.09	.14
E.O.H.			Minor fluorite dissem.	35526	202	203	1.0	.076		.23	1.00
				35527	203	204	1.0	.022		.11	.20
			Rock Competency;	35528	204	205	1.0	.020	.019	.13	.21
				35529	205	206	1.0	.017		.11	.12
			A weak rock fracture (on the scale of none,	35530	206	207	1.0	.004		.17	.19
			weak, moderate and intense) in the intervals	35531	207	208	1.0	.020		.19	.34
			20'-177', 206'-245' and 607'-750'.	35532	208	209	1.0	.012		.13	.36
				35533	209	210	1.0	.036		.26	.51
				35534	210	211	1.0	.058		.37	.40
				35535	211	212	1.0	.138	.116 .071	.77	2.06
				3553	212	213	1.0	.037		.15	.59
				35537	213	214	1.0	.013		.44	.45
				35538	214	215	1.0	.024		.25	.30

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90 - DDH - 2
Redrill of DDH-BC-57-7

DIP TEST		
	Angle	
Footage	Reading	Corrected
898'	90°	90°

Hole No. 90-DDH-2 Sheet No. 11/13
Section
Date Begun 04 - 09 - 90
Date Finished 08 - 09 - 90
Date Logged 09 - 09 - 90

Lat.
Dep.
Bearing Vertical hole
Elev. Collar 3905'

Total Depth 898' (276.3m)
Logged By R. PEDEN
Claim CCG
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
				35539	215	216	1.0	.028	.	.47	.97
				35540	216	217	1.0	.032		.57	.58
				35541	217	218	1.0	.024		.31	.70
				35542	218	219	1.0	.032		.34	.88
				35543	219	220	1.0	.063		.15	.18
				35544	220	221	1.0	.024	.024	.16	.37
				35545	221	222	1.0	.015		.16	.45
				35546	222	223	1.0	.022		.17	.27
				35547	223	224	1.0	.020		.17	.43
				35548	224	225	1.0	.016		.13	.21
				35549	225	226	1.0	.019		.14	.59
				35550	226	227	1.0	.022		.16	.30
				35551	227	228	1.0	.028		.27	.63
				35552	228	229	1.0	.030		.39	.50
				35553	229	230	1.0	.031		.32	.32
				35554	230	231	1.0	.026	.027	.24	.34
				35555	231	232	1.0	.026		.38	.42
				35556	232	233	1.0	.034		.49	1.05
				35557	233	234	1.0	.033		.29	.46
				35558	234	235	1.0	.035		.35	.56
				35559	235	236	1.0	.025		.28	.24

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-2
Redrill of DDH-BC-57-7

DIP TEST		
	Angle	
Footage	Reading	Corrected
898'	90°	90°

Hole No. 90-DDH-2 Sheet No. 12/13
Section
Date Begun 04-09-90
Date Finished 08-09-90
Date Logged 09-09-90

Lat.
Dep.
Bearing Vertical hole
Elev. Collar 3905'

Total Depth 898' (276.3m)
Logged By R. PEDEN
Claim CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
				35560	236	237	1.0	.016	.	.17	.14
				35561	237	238	1.0	.015		.16	.25
				35562	238	239	1.0	.012		.13	.29
				35563	239	240	1.0	.022		.41	1.41
				35564	240	241	1.0	.012	.008	.10	.17
				35565	241	242	1.0	.018		.13	.45
				35566	242	243	1.0	.010		.24	.41
				35567	243	244	1.0	.009		.09	.05
				35568	244	245	1.0	.015	.019	.06	.04
				35569	245	246	1.0	.003	.	.07	.17
				35570	246	247	1.0	.005		.07	.13
				35571	247	248	1.0	.044		.74	1.28
				35572	248	249	1.0	.069		.18	.36
				35573	249	250	1.0	.045		.20	.45
				35574	250	251	1.0	.111	.113	.24	.78
				35575	251	252	1.0	.076		.22	.58
				35576	252	253	1.0	.061		.18	.46
				35577	253	254	1.0	.080	.108	.38	.75
				35578	254	255	1.0	.091	.082	.34	.74
				35579	255	256	1.0	.044		.22	.39
				35580	256	257	1.0	.040		.10	.14

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-2
Redrill of DDH-BC-57-7

DIP TEST		
	Angle	
Footage	Reading	Corrected
898'	90°	90°

Hole No. 90-DDH-2 Sheet No. 13/13
Section
Date Begun 04-09-90
Date Finished 08-09-90
Date Logged 09-09-90

Lat.
Dep.
Bearing vertical hole
Elev. Collar 3905'

Total Depth 898' (276.3m)
Logged By R. PEDEN
Claim CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
				35581	257	258	1.0	.003		<.05	<.05
				35582	258	259	1.0	.026		.06	.08
				35583	259	260	1.0	.009		.09	.12
				35584	260	261	1.0	.016	.011	<.05	.01
				35585	261	262	1.0	.067		.05	.01
				35586	262	263	1.0	.065		.14	.17
				35587	263	264	1.0	.126	.126	.77	1.31
				35588	264	265	1.0	.181	.171	.73	1.38
				35589	265	266	1.0	.017		.06	.04
				35590	266	267	1.0	.083	.087	<.05	<.01
				35591	267	268	1.0	.059		.06	.02
				35592	268	269	1.0	.284	.340 .308	.26	.22
				35593	269	270	1.0	.180	.171	.07	<.01
				35594	270	271	1.0	.103	.103	.05	<.01
				35595	271	272	1.0	.032		.05	.07
				35596	272	273	1.0	.268	.245 .303	.11	.07
				35597	273	274	1.0	.046		<.05	<.01
				35598	274	275	1.0	.078		<.05	<.01
				35599	275	276.3	1.3	.042		<.05	<.01
					E.O.H.						

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-3
Redrill of DDH-BC-57-3

DIP TEST		
	Angle	
Footage	Reading	Corrected
220'	53°	44.5°
431'	53°	44.5°

Hole No. 90-DDH-3 Sheet No. 1/8
Section
Date Begun 09-09-90
Date Finished 11-09-90
Date Logged 10-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4115'

Total Depth 551' (167.9m)
Logged By R. PEDEN
Claim CCL
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION
0	80'		Casing
0	40'	0%	OVERBURDEN
0 m	12.2m		
40'	260'	100%	LIGHT COLOURED TRACHYTIC LAPILLI TUFFS AND MINOR
12.2m	79.2m		TUFF-BRECCIAS.
			Intensely broken and fractured ground. Angular
			to sub-rounded lithic fragments < 8cm wide.
			Py (4%) dissem. Mag (2%) and spec. hem (2%) dsem.
			Fine biotite (5-10%).
			Mod. argillization and ± wk. sericitization and
			biotitization
260'	317'	100%	COARSE GRAINED, LIGHT COLOURED K-SPAR-RICH
79.2m	96.6m		TRACHYTE AND MINOR TUFF-BRECCIAS
			Intensely fractured rock. with mod. to intense
			argillic alteration.
			2-5cm wide angular and subrounded clasts of volc lithics.
			K-spar phenocrysts are < 4cm long also fragmented.
			Py (4%) dissem and specular hem (3%) dissem.

SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
51001	12.2	13	0.8	.048		<.05	1.42
51002	13	14	1.0	.014		<.05	1.01
51003	14	15	1.0	.006		<.05	.84
51004	15	16	1.0	.007		<.05	1.07
51005	16	17	1.0	.006		<.05	.80
51006	17	18	1.0	.005		<.05	.54
51007	18	19	1.0	.004		<.05	.19
51008	19	20	1.0	<.001		<.05	.09
51009	20	21	1.0	.003	.003	<.05	.08
51010	21	22	1.0	.002	.002	<.05	.08
51011	22	23	1.0	<.001		<.05	.08
51012	23	24	1.0	<.001		<.05	.10
51013	24	25	1.0	<.001		<.05	.13
51014	25	26	1.0	<.001		<.05	.07
51015	26	27	1.0	<.001		<.05	.08
51016	27	28	1.0	<.001		<.05	.07
51017	28	29	1.0	<.001		<.05	.05
51018	29	30	1.0	<.001	<.001	<.05	.04
51019	30	31	1.0	<.001		<.05	.03
51020	31	32	1.0	<.001		<.05	.02
51021	32	33	1.0	<.001		<.05	.04

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-3
Redrill of DDH-BC-57-3

DIP TEST		
	Angle	
Footage	Reading	Corrected
220'	53°	44.5°
431'	53°	44.5°

Hole No. 90-DDH-3 Sheet No. 2/8
Section
Date Begun 09-09-90
Date Finished 11-09-90
Date Logged 10-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4115'

Total Depth 551' (167.9m)
Logged By R. PEDEN
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
317'	381'	100%	FELSIC DYKE	51022	33	34	1.0	<.001		<.05	.05
96.6m	116.1m		A very competent rock with a f. grained, banded texture.	51023	34	35	1.0	<.001		<.05	.04
			At 317' the contact dips 25° to the core axis.	51024	35	36	1.0	<.001		<.05	.04
			No visible sulphides	51025	36	37	1.0	<.001		<.05	.04
				51026	37	38	1.0	<.001		<.05	.04
381'	476'	100%	MONZONITE	51027	38	39	1.0	<.001		<.05	.05
116.1m	145m		A highly altered rock with intense fracturing and	51028	39	40	1.0	<.001		<.05	.03
			shearing. 434-435' Fault gouge 15° to core axis;	51029	40	41	1.0	<.001	<.001	<.05	.02
			At 475½'-476', fault gouge and clays occur.	51030	41	42	1.0	<.001		<.05	.04
			Cpy (<0.5%) and py (2%) dissem. Spec. hem (3%)	51031	42	43	1.0	<.001		<.05	.05
			and minor fluorite dissem.	51032	43	44	1.0	<.001		<.05	.06
			A two-fspar (Kspar and albite?) rock with wk.	51033	44	45	1.0	<.001		<.05	.06
			K-feldspathization and argillization, ± wk	51034	45	46	1.0	<.001		<.05	.05
			chloritization and silicification.	51035	46	47	1.0	<.001		<.05	.05
				51036	47	48	1.0	<.001		<.05	.06
476'	476'	100%	K-SPAR SYENITE MEGAPORPHYRY DYKE	51037	48	49	1.0	<.001		<.05	.05
45m	151.2m		An intra-mineralised dyke with py (1%) dissem.	51038	49	50	1.0	<.001		<.05	.06
			Spec. hem. (2%) and minor fluorite dissem.	51039	50	51	1.0	<.001	<.001	.05	.17
			Euhedral K-spar phenocrysts are <3cm wide, fragmented	51040	51	52	1.0	<.001		<.05	.06
			and zoned.	51041	52	53	1.0	<.001		<.05	.07
			Mod. argillization and ± sericitization	51042	53	54	1.0	<.001		.05	.05

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-3
Redrill of DDH-BC-57-3

DIP TEST		
	Angle	
Footage	Reading	Corrected
220	53°	44.5°
431	53°	44.5°

Hole No. 90-DDH-3 Sheet No. 3/8
Section
Date Begun 09 - 09 - 90
Date Finished 11 - 09 - 90
Date Logged 10 - 09 - 90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4115'

Total Depth 551' (167.9m)
Logged By R. PEDEN
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH OF SAMPLE	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
496'	500'	100%	TRACHYE - ANDESITE TUFF-BRECCIAS	51043	54	55	1.0	<.001		<.05	.05
151.2m	152.4m		Cpy (0.5%) and py (1-2%) dissem.	51044	55	56	1.0	<.001		<.05	.07
			Spec. hem (3%) dissem.	51045	56	57	1.0	<.001		<.05	.07
			Brecciated fragments of volc. lithics are < 8cm wide	51046	57	58	1.0	<.001		<.05	.08
			Mod. argillization and ± K-Feldspathization.	51047	58	59	1.0	<.001		.10	.07
				51048	59	60	1.0	<.001		.17	.08
500'	551'	100%	FELSIC DYKE	51049	60	61	1.0	<.001	<.001	.15	.09
152.4	167.9m		A v. f. grained aphanitic, creamy-grey coloured	51050	61	62	1.0	<.001		<.05	.06
E.O.H.			rock with very little qtz.	51051	62	63	1.0	<.001		<.05	.05
			Drilling ceased due to excessive water pressure	51052	63	64	1.0	<.001		<.05	.05
			and "tightness" down hole in the dyke.	51053	64	65	1.0	<.001		.05	.04
				51054	65	66	1.0	<.001		<.05	.04
			Rock competency:	51055	66	67	1.0	<.001		<.05	.03
			Generally the rock is intensely fractured throughout	51056	67	68	1.0	<.001		.09	.03
			presumably drilling occurred subparallel to	51057	68	69	1.0	<.001	<.001	<.05	.04
			faulting. Only the two dykes at 317'-381' and	51058	69	70	1.0	<.001		<.05	.05
			500-551' (E.O.H) are competent.	51059	70	71	1.0	<.001	<.001	<.05	.07
				51060	71	72	1.0	<.001		.11	.14
				51061	72	73	1.0	<.001		<.05	.06
				51062	73	74	1.0	<.001		<.05	.07
				51063	74	75	1.0	<.001		<.05	.09

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-3
Redrill of DDH-BC-87-3

DIP TEST		
	Angle	
Footage	Reading	Corrected
220'	53°	44.5°
431'	53°	44.5°

Hole No. 90-DDH-3 Sheet No. 4/8
Section
Date Begun 09 - 09 - 90
Date Finished 11 - 09 - 90
Date Logged 10 - 09 - 90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4115'

Total Depth 551' (167.9m)
Logged By R. PEDEN
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
				51064	75	76	1.0	<.001		.05	.05
				51065	76	77	1.0	<.001		.06	.06
				51066	77	78	1.0	<.001		<.05	.09
				51067	78	79	1.0	<.001	<.001	<.05	.04
				51068	79	80	1.0	<.001		<.05	.05
				51069	80	81	1.0	<.001	<001	<.05	.04
				51070	81	82	1.0	<.001		<.05	.05
				51071	82	83	1.0	<.001		<.05	.06
				51072	83	84	1.0	<.001		<.05	.05
				51073	84	85	1.0	<.001		<.05	.06
				51074	85	86	1.0	<.001		<.05	.06
				51075	86	87	1.0	<.001		<.05	.05
				51076	87	88	1.0	<.001		<.05	.05
				51077	88	89	1.0	<.001		<.05	.05
				51078	89	90	1.0	<.001		<.05	.04
				51079	90	91	1.0	<.001	<.001	<.05	.05
				51080	91	92	1.0	<.001	<.001	<.05	.05
				51081	92	93	1.0	<.001		<.05	.05
				51082	93	94	1.0	<.001		<.05	.05
				51083	94	95	1.0	<.001		<.05	.04
				51084	95	96	1.0	<.001		.05	.05

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-3
Redrill of DDH-BC-57-3

DIP TEST		
	Angle	
Footage	Reading	Corrected
220'	53°	44.5°
431'	53°	44.5°

Hole No. 90-DDH-3 Sheet No. 5/8
Section
Date Begun 09-09-90
Date Finished 11-09-90
Date Logged 11-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4115'

Total Depth 551' (167.9m)
Logged By R. PEDEN
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
				51085	96	97	1.0	.008	.006	.06	.02
				51086	97	98	1.0	<.001		<.05	<.01
				51087	98	99	1.0	<.001		<.05	.01
				51088	99	100	1.0	<.001		<.05	<.01
				51089	100	101	1.0	<.001	<.001	<.05	<.01
				51090	101	102	1.0	<.001	<.001	<.05	<.01
				51091	102	103	1.0	<.001		<.05	<.01
				51092	103	104	1.0	<.001		.12	<.01
				51093	104	105	1.0	<.001		.13	<.01
				51094	105	106	1.0	<.001		.13	<.01
				51095	106	107	1.0	<.001		.05	<.01
				51096	107	108	1.0	<.001		<.05	<.01
				51097	108	109	1.0	<.001		<.05	<.01
				51098	109	110	1.0	<.001		<.05	<.01
				51099	110	111	1.0	<.001		<.05	<.01
				51100	111	112	1.0	<.001		.06	<.01
				51101	112	113	1.0	<.001		<.05	<.01
				51102	113	114	1.0	<.001		<.05	<.01
				51103	114	115	1.0	<.001		<.05	<.01
				51104	115	116	1.0	<.001		<.05	<.01
				51105	116	117	1.0	<.001		.14	.23

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-3
Redrill of DDH-BC-57-3

DIP TEST		
	Angle	
Footage	Reading	Corrected
220'	53°	44.5°
431'	53°	44.5°

Hole No. 90-DDH-3 Sheet No. 6/8
Section
Date Begun 09-09-90
Date Finished 11-09-90
Date Logged 11-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4115'

Total Depth 551' (167.9m)
Logged By R. PEDEN
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION

SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
51106	117	118	1.0	<.001		<.05	.26
51107	118	119	1.0	.004		<.05	.09
51108	119	120	1.0	<.001		<.05	.04
51109	120	121	1.0	<.001	<.001	<.05	.04
51110	121	122	1.0	<.001		<.05	.06
51111	122	123	1.0	<.001		<.05	.02
51112	123	124	1.0	<.001		<.05	.03
51113	124	125	1.0	<.001		<.05	.02
51114	125	126	1.0	<.001		<.05	.30
51115	126	127	1.0	<.001		<.05	.24
51116	127	128	1.0	.003		.07	.39
51117	128	129	1.0	.004		<.05	.45
51118	129	130	1.0	.002		<.05	.18
51119	130	131	1.0	.004	.004	<.05	.43
51120	131	132	1.0	.005	.005	.05	.40
51121	132	133	1.0	.006		.13	.18
51122	133	134	1.0	.008		<.05	.36
51123	134	135	1.0	.006		<.05	.16
51124	135	136	1.0	.008		<.05	.12
51125	136	137	1.0	.020		<.05	.13
51126	137	138	1.0	.005		.07	.33

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-3
Redrill of DDH-BC-57-3

DIP TEST		
	Angle	
Footage	Reading	Corrected
220'	53°	44.5°
431'	53°	44.5°

Hole No. 90-DDH-3 Sheet No. 7/8
Section
Date Begun 09-09-90
Date Finished 11-09-90
Date Logged 11-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4115'

Total Depth 551' (167.9m)
Logged By R. PEDEN
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (M)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
				51127	138	139	1.0	.003		<.05	.08
				51128	139	140	1.0	.005		<.05	.12
				51129	140	141	1.0	.007	.006	.07	.30
				51130	141	142	1.0	.006	.006	<.05	.10
				51131	142	143	1.0	.004		<.05	.05
				51132	143	144	1.0	.009		<.05	.10
				51133	144	145	1.0	.008		<.05	.10
				51134	145	146	1.0	.005		<.05	.17
				51135	146	147	1.0	.002		<.05	.09
				51136	147	148	1.0	.004		<.05	.02
				51137	148	149	1.0	<.001		<.05	.02
				51138	149	150	1.0	<.001		<.05	.02
				51139	150	151	1.0	.003	.004	.09	.13
				51140	151	152	1.0	.014		.19	.15
				51141	152	153	1.0	.061	.062	.50	.85
				51142	153	154	1.0	.001	.001	<.05	.01
				51143	154	155	1.0	.006		.10	<.01
				51144	155	156	1.0	<.001		<.05	<.01
				51145	156	157	1.0	<.001	<.001	<.05	<.01
				51146	157	158	1.0	<.001		<.05	<.01
				51147	158	159	1.0	<.001	<.001	<.05	<.01

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-3
Redrill of DDH-BC-87-3

DIP TEST		
	Angle	
Footage	Reading	Corrected
220'	53°	44.5°
431'	53°	44.5°

Hole No. 90-DDH-3 Sheet No. 8/8
Section
Date Begun 09 - 09 - 90
Date Finished 11 - 09 - 90
Date Logged 18 - 09 - 90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4115'

Total Depth 551' (167.9m)
Logged By R. PEDEN
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
				51148	159	160	1.0	<.001		<.05	<.01
				51149	160	161	1.0	.006	.004	<.05	<.01
				51150	161	162	1.0	.008		<.05	<.01
				51151	162	163	1.0	.004		.10	.01
				51152	163	164	1.0	<.001		.05	<.01
				51153	164	165	1.0	<.001		<.05	.01
				51154	165	166	1.0	.002		<.05	<.01
				51155	166	167	1.0	<.001		<.05	<.01
				51156	167	167.9	0.9	<.001		<.05	<.01
					E.O.H.						

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-4
Redrill of DDH-BC-57-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
201'	53.5°	45°
400'	52.5°	44°
637'	52.5°	44°
837'	52.5°	44°
1007'	51.5°	43°
1297'	51.25°	42.9°

Hole No. 90-DDH-4 Sheet No. 1/18
Section
Date Begun 11-09-90
Date Finished 15-09-90
Date Logged 12-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4002'

Total Depth 1307' (398.5m)
Logged By R. PEDEN
Claim CC4 & CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
0	90'	0%	Casing. Overburden - no recovery.	51157	27.4	28	0.6 (m)	.002		<.05	.02
0m	27.4m			51158	28	29	1.0	.027	.031	<.05	.10
90'	91'	100%	MORAINE	51159	29	30	1.0	.002		<.05	.27
27.4	27.7m			51160	30	31	1.0	.002		<.05	.33
91'	226'	100%	PINK-ORANGE COLOURED FELDSPAR LITHIC LAPILLI TUFF.	51161	31	32	1.0	.001		<.05	.15
27.7m	68.9m		An intensely fractured unit with mod. K-feldspathization,	51162	32	33	1.0	.004		<.05	.02
			wk. argillization and ± wk. biotitization.	51163	33	34	1.0	.003	.003	<.05	.01
			Two zones of cpy mineralization;	51164	34	35	1.0	.002		<.05	.01
			91'-101'; cpy(2%) and py(2%) dissem. Hematite(5-6%)	51165	35	36	1.0	.003	.002	<.05	.01
			dissem.	51166	36	37	1.0	.001		<.05	.01
			101-213'; No cpy, py(2%) and hem (4%) dissem.	51167	37	38	1.0	.001		<.05	.01
			213-226'; a moderately bleached unit with cp(2%)	51168	38	39	1.0	.002		<.05	.01
			and py(1-2%) dissem. Spec. hem. (5%) dissem.	51169	39	40	1.0	.006		<.05	.01
				51170	40	41	1.0	.002		<.05	.01
226'	275'	100%	TRACHYTE TUFF-BRECCIAS and MINOR AGGLOMERATE.	51171	41	42	1.0	.002		<.05	.18
68.9m	83.8m		Angular and rounded clasts < 6cm long. A two fspar	51172	42	43	1.0	.001		<.05	.08
			(K-spar and albite?) rock with py (2%), spec hem	51173	43	44	1.0	.001	.001	<.05	.10
			(4-5%) and minor fluorite dissem.	51174	44	45	1.0	.002		<.05	.01
			WK. argillization, K-feldspathization and carbonate	51175	45	46	1.0	.003		<.05	.02
			alteration. A weak rock fracture is pervasive	51176	46	47	1.0	.004		<.05	.01
			throughout this interval.	51177	47	48	1.0	.001		<.05	.01

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-4
Redrill of DDH-BC-57-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
201'	53.5°	45°
400'	52.5°	44°
637'	52.5°	44°
837'	52.5°	44°
1007'	51.5°	43°
1297'	51.25°	42.9°

Hole No. 90-DDH-4 Sheet No. 2/18
Section
Date Begun 11-09-90
Date Finished 15-09-90
Date Logged 12-09-90

Lat.
Dep.
Bearing 315 / -45°
Elev. Collar 4002'

Total Depth 1307' (398.5m)
Logged By R. PEDEN
Claim CC4 & CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu %
275'	277'	100%	K-SPAR SYENITE MEGAPORPHYRY DYKE	51178	48	49	1.0	.001		<.05	.01
83.8m	84.5m		An intra-mineralised dyke with py (3%) dissem.	51179	49	50	1.0	.002		<.05	.01
			Wk to mod. argillization and ± sericitization. A	51180	50	51	1.0	.003		<.05	.01
			competent rock.	51181	51	52	1.0	.001		<.05	.01
				51182	52	53	1.0	.002		<.05	.01
277'	316'	100%	TRACHYTE TUFF-BRECCIA AND MINOR AGGLOMERATE.	51183	53	54	1.0	.002		<.05	.01
84.5m	96.3m		Brecciated fragments of volc. lithics are <1.5cm	51184	54	55	1.0	.003	.004	<.05	.02
			long and fspars are <1cm wide.	51185	55	56	1.0	.015		<.05	.02
			Py (5%), minor fluorite and hematite dissem.	51186	56	57	1.0	.005		<.05	.03
			An intensely fractured rock.	51187	57	58	1.0	.004		<.05	.01
				51188	58	59	1.0	.002		<.05	.03
316'	347'	100%	ANDESITE	51189	59	60	1.0	<.001		<.05	.05
96.3m	105.8m		A fine grained rock with py (<0.5%) dissem.	51190	60	61	1.0	.003		<.05	.06
			Leaching increases down hole, wk argillization	51191	61	62	1.0	.007		<.05	.02
			with argillic vein networks (<3mm wide).	51192	62	63	1.0	.023		<.05	.02
			A moderately fractured rock.	51193	63	64	1.0	.016	.017	<.05	.02
				51194	64	65	1.0	.007		<.05	.16
347'	352½'	100%	FELSIC DYKE	51195	65	66	1.0	.015	.019	<.05	.15
105.8m	107.5m		An intensely fractured rock with fault gouge at	51196	66	67	1.0	.030		<.05	.04
			353'. The dyke is v.f. grained with localised	51197	67	68	1.0	.046		<.05	.03
			sphalerite along microfractures <1mm wide.	51198	68	69	1.0	.020		<.05	.06

Continued.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-4
Redrill of DDH-BC-57-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
201'	53·5°	45°
400'	52·5°	44°
637'	52·5°	44°
837'	52·5°	44°
1007'	51·5°	43°
1 297'	51·25°	42·9°

Hole No. 90-DDH-4 Sheet No. 3/18
Section
Date Begun 11-09-90
Date Finished 15-09-90
Date Logged 12-09-90

Lat.
Dep.
Bearing 315/-45°
Elev. Collar 4002'

Total Depth 1307' (398·5m)
Logged By R. PEDEN
Claim CC4 & CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			Continued Wk argillization at contacts of dyke.	51199	69	70	1·0	·003		<·05	·06
				51200	70	71	1·0	·002		<·05	·03
352½'	387'	100%	TRACHYTE TUFF-BRECCIAS AND MINOR AGGLOMERATES	51201	71	72	1·0	·002		<·05	·05
107·5m	118·0m		Intensely argillized and highly fractured rock.	51202	72	73	1·0	·002		<·05	·04
			Volc. lithic (2-3cm wide) and K-spar (<1.5cm wide)	51203	73	74	1·0	·001	·002	<·05	·08
			fragments are set in a fine grained matrix.	51204	74	75	1·0	·001		<·05	·03
			Py (4-5%) and hem. (5%) and minor fluorite	51205	75	76	1·0	·003	·001	<·05	·03
			dissem. No vis. cpy.	51206	76	77	1·0	·003		<·05	·03
			End of intense rock fracturing.	51207	77	78	1·0	·004		<·05	·16
				51208	78	79	1·0	·012		<·05	·06
387'	561'	100%	TRACHYE-ANDESITE LAPILLI TUFFS AND TUFF-BRECCIAS	51209	79	80	1·0	·003		<·05	·06
118·0m	171·0m		387'-490' A transition zone between above and below	51210	80	81	1·0	·001		<·05	·05
			zones where cpy, alteration and breccia content	51211	81	82	1·0	·006		<·05	·07
			increases with depth.	51212	82	83	1·0	·004		<·05	·04
			Localised breccia (volc. lithic) fragments <3cm wide	51213	83	84	1·0	·002	·003	<·05	·05
			are angular to subrounded and predominantly	51214	84	85	1·0	·003		<·05	·34
			mafic. K-spar fragments also are angular-to	51215	85	86	1·0	·002		<·05	·06
			subrounded <8mm wide.	51216	86	87	1·0	<·001		<·05	·06
			Wk biotitization, K-feldspathization, carbonate	51217	87	88	1·0	·003		<·05	·10
			alteration and calc-silicate (grt) alteration-	51218	88	89	1·0	·003		<·05	·07
			grt veining (<3cm wide) increases with depth also.	51219	89	90	1·0	·004		<·05	·19

Continued.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-4
Redrill of DDH-BC-57-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
201'	53.5°	45°
400'	52.5°	44°
637'	52.5°	44°
837'	52.5°	44°
1007'	51.5°	43°
1,297'	51.25°	42.9°

Hole No. 90-DDH-4 Sheet No. 4/18
Section
Date Begun 11-09-90
Date Finished 15-09-90
Date Logged 14-09-90

Lat.
Dep.
Bearing 315/-45°
Elev. Collar 4002'

Total Depth 1307' (398.5m)
Logged By R. PEDEN
Claim CC4 & CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			Continued.								
			Py (5-6%) and cp (<0.5%) dissem.	51220	90	91	1.0	.034		<.05	.04
			Mag (1-2%), hem (2%) and minor fluorite dissem.	51221	91	92	1.0	.010		<.05	.03
			Poorly defined stringers (<5mm wide) of hem.	51222	92	93	1.0	.006		<.05	.02
			are often associated with anhydrite veining (<5mm-	51223	93	94	1.0	.013	.015	<.05	.02
			wide) and haloes of garnet and sulphide.	51224	94	95	1.0	.012		<.05	.02
			A weak rock fracture	51225	95	96	1.0	.007		<.05	.02
			490'-561' Mod. to intense biotitization, wk to	51226	96	97	1.0	.004		<.05	.02
			mod. K-feldspathization and calc-silicate (grt) alteration	51227	97	98	1.0	.009		<.05	.01
			and wk carbonate and argillic alteration.	51228	98	99	1.0	.004		<.05	.01
			Increased volcanic lithic fragment content.	51229	99	100	1.0	.001		<.05	.01
			Cpy (2-3%) and py (4%) dissem. Anhydrite	51230	100	101	1.0	<.001		<.05	.01
			veining (<2cm-wide with localised gypsum	51231	101	102	1.0	<.001		<.05	.02
			association) is numerous, with 10-15 veins/foot.	51232	102	103	1.0	.009		<.05	.04
			Biot (15%), mag (3%), spec hem (2%) and minor fluorite dissm.	51233	103	104	1.0	<.001	<.001	<.05	.02
			Py-grt associated haloes are localised, 3-5cm	51234	104	105	1.0	<.001		<.05	.02
			wide.	51235	105	106	1.0	<.001	<.001	<.05	.02
			A weak but pervasive rock microfracture	51236	106	107	1.0	.001		<.05	.02
			present throughout the interval.	51237	107	108	1.0	.002		<.05	.03
				51238	108	109	1.0	.011		<.05	.03
561'	662'	100%	GREEN AND MAROON COLOURED TRACHY-ANDESITE LAPILLI	51239	109	110	1.0	.004		<.05	.09
171m	201.8m		TUFFS	51240	110	111	1.0	.009		<.05	.01

Continued.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-4
Redrill of DDH-BC-57-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
201'	53.5°	45°
400'	52.5°	44°
637'	52.5°	44°
837'	52.5°	44°
1007'	51.5°	43°
1297'	51.25°	42.9°

Hole No. 90-DDH-4 Sheet No. 5/18
Section
Date Begun 11-09-90
Date Finished 15-09-90
Date Logged 15-09-90

Lat.
Dep.
Bearing 315/-45°
Elev. Collar 4002'

Total Depth 1307' (398.5m)
Logged By R. PEDEN
Claim CC4 & CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			Continued								
			Cpy (3½%) dissem and loc. stringers (poorly defined)	51241	111	112	1.0	.004		<.05	.02
			<5mm-wide often associated with mag.	51242	112	113	1.0	.016		<.05	.03
			Py (3-4%) dissem. and loc. stringers. Mag (3%)	51243	113	114	1.0	.012	.011	.25	.02
			dissem. and localised stringers <5mm wide.	51244	114	115	1.0	.010		<.05	.11
			Spec. hem (3%) dissem. Biot (8%) and garnet (30%) dissem.	51245	115	116	1.0	.013	.015	<.05	.08
			Mag. and hem. are often associated with	51246	116	117	1.0	<.001	<.001	<.05	.05
			anhydrite veins (<1cm-wide) along the selveges.	51247	117	118	1.0	.001	.004	<.05	.05
			Anhydrite veins average 3 veins/foot.	51248	118	119	1.0	.023		<.05	.06
			Wk to mod K-feldspathization and wk carbonate	51249	119	120	1.0	.002		<.05	.05
			alteration and ± wk argillization.	51250	120	121	1.0	.011		<.05	.06
			Rock microfracturing is moderate.	51251	121	122	1.0	.115	.123 .114	<.05	.02
				51252	122	123	1.0	.012		<.05	.01
662'	748'	100%	GREY-GREEN COLOURED TRACHYE-ANDESITE LAPILLI	51253	123	124	1.0	.018	.018	.11	.04
201.8m	228m		TUFFS AND MINOR TUFF-BRECCIAS	51254	124	125	1.0	.009		<.05	.14
			Brecciated fragments are predominantly dark	51255	125	126	1.0	.003		<.05	.23
			vdc. lithics <3cm wide and localised K-feldspathized	51256	126	127	1.0	.029		<.05	.07
			fragments <8cm wide.	51257	127	128	1.0	.001		<.05	.06
			Wk to mod calc-silicate (grt) alteration, wk K-feldspathization	51258	128	129	1.0	<.001		<.05	.09
			and carbonate alteration. Carbonate veining (1-3 veins/foot)	51259	129	130	1.0	<.001		<.05	.10
			along microfractures is <1cm wide, often mag. and	51260	130	131	1.0	.001		<.05	.06
			hem. occur as selveges.	51261	131	132	1.0	.001		<.05	.07

NEVILLE CROSBY INC.

continued.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-4
Redrill of DDH-BC-57-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
201'	53.5°	45°
400'	52.5°	44°
637'	52.5°	44°
837'	52.5°	44°
1007'	51.5°	43°
1297'	51.25°	42.9°

Hole No. 90-DDH-4 Sheet No. 6/18
Section
Date Begun 11-09-90
Date Finished 15-09-90
Date Logged 15-09-90

Lat.
Dep.
Bearing 315/-45°
Elev. Collar 4002'

Total Depth 1307' (398.5m)
Logged By R. PEDEN
Claim CC4 & CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			continued	51262	132	133	1.0	.016		<.05	.05
			Cpy (3-4%) dissem, poorly defined localised stringers and clots.	51263	133	134	1.0	.007	.006	<.05	.05
			Py (2%) dissem. and poorly defined stringers.	51264	134	135	1.0	.002		<.05	.04
			Mag (4%) dissem. (often assoc with garnet).	51265	135	136	1.0	<.001		<.05	.05
			Garnet (30%) dissem. and poorly defined veins <5cm	51266	136	137	1.0	.005		<.05	.06
			wide. Hem (4-5%) and biot. (8%) dissem.	51267	137	138	1.0	.007		<.05	.05
			Anhydrite veining (<4cm wide), 1-4 veins/foot, often with	51268	138	139	1.0	.009		<.05	.07
			hem. selvages occur along microfractures.	51269	139	140	1.0	.010		<.05	.05
				51270	140	141	1.0	.008		<.05	.04
748'	868'	100%	TRACHYE-ANDESITE LAPILLI TUFFS WITH INTERMITTENT	51271	141	142	1.0	.008		<.05	.06
228m	264.6		K-SPAR SYENITE MEGAPORPHYRY.	51272	142	143	1.0	.004		<.05	.04
			Megaporphyry intrudes intermittently at 748-749', 755-	51273	143	144	1.0	.003	.002	<.05	.04
			-756', 760', 762', 766.5', 770', 771', 772', 810',	51274	144	145	1.0	.001		<.05	.04
			813', 816', 819', 820', 822-823', 825'-828',	51275	145	146	1.0	.010	.012	<.05	.06
			833'-834', 838'-843', 845', 856'-857' and	51276	146	147	1.0	.028		.34	.44
			858'-860'. Contacts are sharp.	51277	147	148	1.0	.030		.39	.84
			Megaporphyry mineralization; cpy (<0.5%) and py (1-2%)	51278	148	149	1.0	.089	.088	.86	1.28
			dissem.	51279	149	150	1.0	.026		.31	1.06
			Tr- and lap. tuff mineralization; cpy (3%) and py (2-3%)	51280	150	151	1.0	.074		.36	1.05
			dissem and poorly defined stringers <3-5mm wide.	51281	151	152	1.0	.046		.38	1.40
			Grt (20-25%), mag. (1-2%), spec. hem (3-4%) and biotite (%) dissm.	51282	152	153	1.0	.074		.39	1.26

continued.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90 - DDH - 4
Redrill of DDH-BC-57-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
201'	53.5°	45°
406'	52.5°	44°
637'	52.5°	44°
837'	52.5°	44°
1602'	51.5°	43°
1297'	51.25°	42.9°

Hole No. 90-DDH-4 Sheet No. 7/18
Section
Date Begun 11 - 09 - 90
Date Finished 15 - 09 - 90
Date Logged 15 - 09 - 90

Lat.
Dep.
Bearing 315/-45°
Elev. Collar 4002'

Total Depth 1307' (398.5m)
Logged By R. PSOEN
Claim CC4 & CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (g/t)	Ag (oz/t)	Cu (%)
			continued.								
			Biot. veining is < 5mm wide and often fine grained.	51283	153	154	1.0	.046	.047	.41	1.02
			Anhydrite veining (< 2cm wide), av. 3-5 veins/foot	51284	154	155	1.0	.005		.06	.15
			occurs in both the tuffs and megaporphyry.	51285	155	156	1.0	.008	.008	.15	.19
				51286	156	157	1.0	.024		.32	.57
888'	888'	100%	TRACHYE-ANDESITIC LAPILLI TUFF WITH MINOR TUFF-	51287	157	158	1.0	.026		.31	.64
264.6m	270.7m		BRECCIAS	51288	158	159	1.0	.025		.33	.69
			Cpy (5%) dissem. and localised clots (< 3cm-wide)	51289	159	160	1.0	.020		.26	.49
			Py (3%), mag (3%), hem (4%), biot (10%) and	51290	160	161	1.0	.040		.49	.93
			grt (25%) dissem.	51291	161	162	1.0	.029		.38	.74
			Anhydrite veining (< 5mm wide), av. 3-5 veins/foot	51292	162	163	1.0	.054		.64	1.29
			Breccia fragments are mostly feldpathic volc.	51293	163	164	1.0	.026	.026	.38	.59
			lithics 2-3cm wide angular to subrounded.	51294	164	165	1.0	.030		.50	.75
			Mod K-feldspathization, wk to mod calc-silicate	51295	165	166	1.0	.031		.42	.70
			alteration and wk carbonate alteration.	51296	166	167	1.0	.022		.34	.58
				51297	167	168	1.0	.016		.30	.45
888'	936'	100%	LIGHT PINK COLOURED TRACHYE-ANDESITE TUFF WITH	51298	168	169	1.0	.035		.42	.76
270.7m	285.4m		MINOR TUFF-BRECCIAS (AND INTERMITTENT K-SPAR SYENITE	51299	169	170	1.0	.025		.42	.51
			MEGAPORPHYRY).	51300	170	171	1.0	.025		.50	.63
			Intermittent megaporphyry intrudes the tuffs at	51301	171	172	1.0	.388	.390 .407	.90	.70
			893', 900-906', 907-909', 910'-912', 917'-918' and	51302	172	173	1.0	.035		.50	.78
			920'-923'.	51303	173	174	1.0	.034	.037	.65	.80

NEVILLE CROSBY INC.

continued.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-4
Redrill of DDH-BC-57-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
201'	53.5°	45°
400'	52.5°	44°
637'	52.5°	44°
837'	52.5°	44°
1007'	51.5°	43°
1297'	51.25°	42.9°

Hole No. 90-DDH-4 Sheet No. 8/18
Section
Date Begun 11-09-90
Date Finished 15-09-90
Date Logged 15-09-90

Lat.
Dep.
Bearing 315 / -45°
Elev. Collar 4002'

Total Depth 1307' (378.5m)
Logged By R. PEDEN
Claim CC4 & CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			Continued:	51304	174	175	1.0	.021		.51	.62
			At 588-894', brecciation is intense with abundant	51305	175	176	1.0	.004	.004	.09	.11
			anhydrite veining (< 1cm wide), av. 2-5 veins/foot.	51306	176	177	1.0	.017		.29	.34
			The tuffs have cpy (2%) and py (1-2%) dissem.	51307	177	178	1.0	.060		.85	1.54
			Grt (10%) and hem (4%) dissem. Earthy hematite	51308	178	179	1.0	.053		.71	1.32
			is assoc. with microfracturing and stringers of	51309	179	180	1.0	.040		.65	1.03
			carbonate veining < 5mm wide.	51310	180	181	1.0	.020		.40	.45
			Wk K-Feldspathization, calc-silicate (grt) alteration	51311	181	182	1.0	.037		.66	.96
			and carbonate alteration, and ± silicification.	51312	182	183	1.0	.026		.45	.79
936'	952'	100%	GREEN COLOURED TRACHYTE-ANDESITE LAPILLI TUFFS.	51313	183	184	1.0	.052	.057	.86	1.50
285.4m	290.2m		cpy (3%), py (2-3%), grt (20%) and hem (2%) dissem.	51314	184	185	1.0	.039		.59	1.02
			Anhydrite veining (< 1cm-wide), av. 3-6 veins/foot.	51315	185	186	1.0	.031	.030	.48	.84
			Wk. biotitization (poorly defined stringers assoc. with	51316	186	187	1.0	.012		.20	.30
			hematite) and calc-silicate (grt.) alteration, and	51317	187	188	1.0	.026		.55	.80
			± carbonate alteration.	51318	188	189	1.0	.046		.79	1.14
				51319	189	190	1.0	.047		.66	1.09
952'	962'	100%	K-SPAR SYENITE MEGAPORPHYRY DYKE	51320	190	191	1.0	.040		.66	1.07
290.2m	293.3m		Cpy (0.5%), py (2-3%) and hem. (5%) dissem.	51321	191	192	1.0	.040		.66	1.01
			Anhydrite veining (< 1cm-wide), av. 1 vein/foot.	51322	192	193	1.0	.033		.74	1.33
				51323	193	194	1.0	.003	.003	<.05	.10
				51324	194	195	1.0	.004		<.05	.11

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90 - DDH - 4
Redrill of DDH-BC-57-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
201'	53.5°	45°
400'	52.5°	44°
637'	52.5°	44°
851'	52.5°	44°
1007'	51.5°	43°
1297'	51.25°	42.9°

Hole No. 90-DDH-4 Sheet No. 9/18
Section
Date Begun 11-09-90
Date Finished 15-09-90
Date Logged 16-09-90

Lat.
Dep.
Bearing 315/-45°
Elev. Collar 4002'

Total Depth 1307' (398.5m)
Logged By R. PEDEN
Claim CC4 & CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
962'	1016'	100%	GREEN-GREY COLOURED TRACHYE-ANDESITE CRYSTAL TUFFS	51325	195	196	1.0	.006	.004	<.05	.11
293.3m	309.7m		Mod. K-feldspathization, wk to mod calc-silicate(grt)	51326	196	197	1.0	.002		<.05	.08
			alteration, and wk silicification.	51327	197	198	1.0	.001		<.05	.06
			Porphyritic K-spars are zoned with euhedral to sub-	51328	198	199	1.0	.001		<.05	.05
			anhedral outline.	51329	199	200	1.0	.001		<.05	.08
			962'-982'; Cpy (2-3%) dissem and poorly defined stringers	51330	200	201	1.0	<.001		<.05	.06
			<4mm wide. Py (3-4%) dissem.	51331	201	202	1.0	<.001		<.05	.07
			982'-1007'; Cpy (3%) and py (3-4%) dissem. and	51332	202	203	1.0	<.001		<.05	.03
			stringers < 1cm wide often associated with anhydrite	51333	203	204	1.0	.002	.002	<.05	.08
			veins. Grt (<5%), hem (5%) and minor fluorite dissem.	51334	204	205	1.0	.002		<.05	.06
			Garnet is typically pale brown in colour, fine grained	51335	205	206	1.0	<.001		<.05	.09
			and has a ghosty textural appearance.	51336	206	207	1.0	<.001		<.05	.08
			1007'-1016'; Cpy (2%) and py (3-4%) dissem.	51337	207	208	1.0	.010		.26	.36
				51338	208	209	1.0	.030		.63	1.22
1016'	1046.5'	100%	MAROON COLOURED TRACHYE-ANDESITE FELDSPATHIC TUFFS	51339	209	210	1.0	.012		.39	.62
309.7m	319m		A siliceous zone at 1018'-1019'.	51340	210	211	1.0	.028		.52	.84
			K-spar phenocrysts are zoned, euhedral to subanhedral	51341	211	212	1.0	.031		.59	.94
			and up to 3cm-long.	51342	212	213	1.0	.021		.39	.73
			Mod K-feldspathization wk biotitization and ± silicification.	51343	213	214	1.0	.011	.011	.28	.41
			Cpy (1-2%) F. dissem. Py (2%), biotite (8%) and	51344	214	215	1.0	.026		.51	1.10
			hem (5%) dissem.	51345	215	216	1.0	.021		.46	.99

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-4
Redrill of DDH-BC-57-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
201'	53.5°	45°
400'	52.5°	44°
637'	52.5°	44°
837'	52.5°	44°
1007'	51.5°	43°
1297'	51.25°	42.9°

Hole No. 90-DDH-4 Sheet No. 10/18
Section
Date Begun 11-09-90
Date Finished 15-09-90
Date Logged 16-09-90

Lat.
Dep.
Bearing 315 / -45°
Elev. Collar 4002'

Total Depth 1307' (398.5m)
Logged By R. PEDEN
Claim CC4 & CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
1046.5'	1092'	100%	TRACHYE-ANDESITE FELDSPATHIC TUFFS WITH	51346	216	217	1.0	.016		.52	1.00
319m	332.9m		INTERMITTENT K-SPAR SYENITE MEGAPORPHYRY.	51347	217	218	1.0	.012		.36	.75
			Intermittent megaporphyry intrudes at 1046.5'-1049.5',	51348	218	219	1.0	.011		.44	.53
			1055', 1057'-1059', and 1087.5'-1090'.	51349	219	220	1.0	.010		.40	.46
			Megaporphyry rocks have cpy (1%) and py (2%)	51350	220	221	1.0	.009		.23	.31
			dissem. Porphyritic K-spar are angular and euhedral	51351	221	222	1.0	.021		.46	.87
			in outline, zoned and < 5cm long.	51352	222	223	1.0	.018		.48	.90
			The tuff has mod. biotitization, wk. carbonate	51353	223	224	1.0	.010	.007	.36	.42
			alteration, calc-silcate (grt) alteration and	51354	224	225	1.0	.024		.66	1.00
			silicification.	51355	225	226	1.0	.015	.016	.53	.74
			Fspar phenacrysts are scarce, < 3cm long and zoned.	51356	226	227	1.0	.010		.50	.54
			Cpy (2-3%) and py (2-3%) dissem. Grt (15-20%),	51357	227	228	1.0	.28		1.45	.84
			hem (4%) and minor fluorite dissem.	51358	228	229	1.0	.008	.007	.50	.36
				51359	229	230	1.0	.017		.61	.73
1092'	1101'	100%	ORANGE COLOURED K-SPAR SYENITE MEGAPORPHYRY.	51360	230	231	1.0	.014		.29	.37
332.9m	335.7m		Cpy (<0.5%) dissem, often assoc. with hem. stringers.	51361	231	232	1.0	.013		.41	.54
			py (<1.0%) dissem.	51362	232	233	1.0	.015		.44	.61
			Rock has a moderate microfracture.	51363	233	234	1.0	.011	.010	.36	.50
				51364	234	235	1.0	.005	.	.30	.41
				51365	235	236	1.0	.010		.40	.58
				51366	236	237	1.0	.004		.21	.20

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-4
Redrill of DDH-BC-57-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
201'	53.5°	45°
400'	52.5°	44°
637'	52.5°	44°
831'	52.5°	44°
1007'	51.5°	43°
1277'	51.25°	42.9°

Hole No. 90-DDH-4 Sheet No. 11/18
Section
Date Begun 11-09-90
Date Finished 15-09-90
Date Logged 16-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4002'

Total Depth 1307' (398.5m)
Logged By R. Peden
Claim CC4 and CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
1101'	1150'	100%	GREY-GREEN COLOURED TRACHYE-ANDESITE CRYSTAL	51367	237	238	1.0	.002		.20	.11
335.7m	350.6m		TUFFS WITH INTERMITTENT K-SPAR SYENITE MEGAPORPHYRY.	51368	238	239	1.0	.006	.007	.22	.18
			Megaporphyry occurs at 1116'-1118', 1120', and 1124'-1127'.	51369	239	240	1.0	.042		.59	.99
			Porphyritic fsprs in the tuff are scarce, angular and	51370	240	241	1.0	.048		.70	1.18
			euhedral.	51371	241	242	1.0	.046		.62	1.36
			Cpy (2-3%) f. dissem. and in poorly defined stringer-	51372	242	243	1.0	.031		.46	.87
			clots assoc. with biotite. Py (1%) dissem. For zone	51373	243	244	1.0	.040		.54	1.14
			1106'-1116'; Cpy (3½%) and py (2%) dissem.	51374	244	245	1.0	.033		.53	1.01
				51375	245	246	1.0	.025		.57	.70
1150'	1307'	100%	GREEN COLOURED TRACHYTE-ANDESITE LAPILLI TUFFS	51376	246	247	1.0	.012		.33	.44
350.6m	398.5m		WITH INTERMITTENT K-SPAR SYENITE MEGAPORPHYRY.	51377	247	248	1.0	.025		.44	.61
E.O.H.			There are cases for both tuffs intruding the mega-	51378	248	249	1.0	.029	.031	.52	.80
			porphyry and vice-versa. At 1252', the Trachye-And.	51379	249	250	1.0	.027		.48	.63
			has breccia fragments of megaporphyry.	51380	250	251	1.0	.040		.61	.87
			K-spar-megaporphyry is intermittent at 1150'-1153', 1157'-	51381	251	252	1.0	.023		.45	.59
			1159', 1166', 1168', 1172', 1186'-1188', 1207'-1212', 1226'-	51382	252	253	1.0	.026		.41	.61
			1241', 1247'-1248', 1250'-1260', and 1261'-1263'.	51383	253	254	1.0	.025		.56	.89
			The megaporphyry is mineralized with sulphides (cpy & py).	51384	254	255	1.0	.033		.58	.86
			The trachye-and. tuffs have cp (2%), py (1%), hem (4%),	51385	255	256	1.0	.019		.27	.26
			and grt (10%) dissem. Garnet < 10cm wide form halos	51386	256	257	1.0	.005		.18	.12
			to anhydrite veins. Cpy is often assoc. with biotite	51387	257	258	1.0	.019		.31	.41

continued

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-4
Redrill of DDH-BC-57-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
201'	53.5°	45°
400'	52.5°	44°
637'	52.5°	44°
837'	52.5°	44°
1007'	51.5°	43°
1297'	51.25°	42.9°

Hole No. 90-DDH-4 Sheet No. 12/18
Section
Date Begun 11-09-90
Date Finished 15-09-90
Date Logged 16-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4002'

Total Depth 1307' (398.5m)
Logged By R. Peden
Claim CC4 and CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			Continued								
			along contact margins with the megaporphyry.	51388	258	259	1.0	.043	.046	.53	.85
			Hematitic dissem along microfractures is often	51389	259	260	1.0	.177	.180	.91	1.33
			specular and finely grained.	51390	260	261	1.0	.050		.73	1.20
			The tuffs have wk. to mod. biotitization, wk	51391	261	262	1.0	.030		.43	.52
			K-feldspathization, carbonate alteration, calc-	51392	262	263	1.0	.031		.31	.44
			silicate alteration and silicification.	51393	263	264	1.0	.065	.070	.37	.50
			Anhydrite veining (< 5mm wide), av. 2-5 veins/foot is	51394	264	265	1.0	.159	.163	1.60	1.48
			found throughout the interval.	51395	265	266	1.0	.207	.188 .216	1.94	3.22
			Intervals of higher sulphide content are as follows;	51396	266	267	1.0	.116	.117	1.14	2.60
			1150'-1153' cpy (3%) and py (1%) dissem.	51397	267	268	1.0	.080	.078	.86	1.41
			1159'-1162' cpy (3%) and py (1%)	51398	268	269	1.0	.182	.165	1.28	2.28
			1167.5'-1172' cpy (3%) and py (1%)	51399	269	270	1.0	.170	.191	1.24	2.23
			1180'-1182' cpy (3%) and py (1%)	51400	270	271	1.0	.202	.237	1.25	1.90
			1223'-1226' cpy (3% and py (<1%)	51401	271	272	1.0	.013		.25	.22
			1236-1237' cpy (4%) and py (<1%)	51402	272	273	1.0	.006		.27	.35
			1265-1268' cpy (2½%) and py (1%)	51403	273	274	1.0	.006	.006	.27	.40
			1289-1298' cpy (3%) and py (1%)	51404	274	275	1.0	.008		.59	.43
			Trachyte-andesites are sometimes porphyritic in part,	51405	275	276	1.0	.008		.48	.15
			and do not have higher sulphide content.	51406	276	277	1.0	.003		.50	.27
				51407	277	278	1.0	.045		.63	.66
				51408	278	279	1.0	.044	.045	.82	.93

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-4
Redrill of DDH-BC-57-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
201'	53.5°	45°
400'	52.5°	44°
637'	52.5°	44°
837'	52.5°	44°
1037'	51.5°	43°
1297'	51.25°	42.9°

Hole No. 90-DDH-4 Sheet No. 13/18
Section
Date Begun 11-09-90
Date Finished 15-09-90
Date Logged 16-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4002'

Total Depth 1307' (398.5m)
Logged By R. Peden
Claim CC4 and CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			Rock competency.	51409	279	280	1.0	.009		.41	.27
			Intensely fractured rock in the intervals 91'-226',	51410	280	281	1.0	.014		.56	.39
			277'-347' and 352½'-387'.	51411	281	282	1.0	.008		.31	.18
				51412	282	283	1.0	.028		.53	.86
			Weak rock fracturing occurs in the intervals 226'-275'	51413	283	284	1.0	.028		.54	.93
			and 387'-561'.	51414	284	285	1.0	.010		.27	.35
				51415	285	286	1.0	.012		.31	.37
			Otherwise the rock is very competent.	51416	286	287	1.0	.020		.39	.76
				51417	287	288	1.0	.039		.45	1.15
				51418	288	289	1.0	.016	.016	.49	1.16
				51419	289	290	1.0	.017		.66	1.46
				51420	290	291	1.0	.020		.53	1.03
				51421	291	292	1.0	.008		.38	.51
				51422	292	293	1.0	.003		.24	.23
				51423	293	294	1.0	.041		.68	1.86
				51424	294	295	1.0	.004		.31	.25
				51425	295	296	1.0	.004		.16	.17
				51426	296	297	1.0	.005		.18	.17
				51427	297	298	1.0	.044		.19	.14
				51428	298	299	1.0	.029	.030	.46	.61
				51429	299	300	1.0	.041		1.36	1.92

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-4

Redrill of DDH-BC-57-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
201'	53.5°	45°
402'	52.5°	44°
637'	52.5°	44°
837'	52.5°	44°
1007'	51.5°	43°
1297'	51.25°	42.9°

Hole No. 90-DDH-4 Sheet No. 14/18

Section

Date Begun 11-09-90

Date Finished 15-09-90

Date Logged 16-09-90

Lat.

Dep.

Bearing 315°/-45°

Elev. Collar 4002'

Total Depth 1307' (398.5m)

Logged By R. Peden

Claim CC4 and CC6

Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
				S1430	300	301	1.0	.015		.80	1.04
				S1431	301	302	1.0	.018		.87	.91
				S1432	302	303	1.0	.029		.98	1.85
				S1433	303	304	1.0	.020	.020	.85	1.80
				S1434	304	305	1.0	.011		.54	.98
				S1435	305	306	1.0	.001		.35	.34
				S1436	306	307	1.0	.002		.48	.82
				S1437	307	308	1.0	.005		.25	.32
				S1438	308	309	1.0	.004	.005	.27	.29
				S1439	309	310	1.0	.003		.25	.17
				S1440	310	311	1.0	.004		.28	.12
				S1441	311	312	1.0	.001		.19	.12
				S1442	312	313	1.0	.012		.28	.36
				S1443	313	314	1.0	.018	.015	.45	.54
				S1444	314	315	1.0	.016		.40	.54
				S1445	315	316	1.0	.003		.21	.09
				S1446	316	317	1.0	<.001		.13	.04
				S1447	317	318	1.0	.002		.13	.03
				S1448	318	319	1.0	<.001	<.001	.14	.08
				S1449	317	320	1.0	.003		.20	.11
				S1450	320	321	1.0	.010		.26	.22

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-4
Redrill of DDH-BC-57-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
201'	53.5°	45°
400'	52.5°	44°
637'	52.5°	44°
837'	52.5°	44°
1007'	51.5°	43°
1297'	51.25°	42.9°

Hole No. 90-DDH-4 Sheet No. 15/18
Section
Date Begun 11-09-90
Date Finished 15-09-90
Date Logged 16-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4002'

Total Depth 1307' (398.5m)
Logged By R. Peden
Claim CC4 and CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
				S1451	321	322	1.0	.005		.23	.14
				S1452	322	323	1.0	.005		.28	.10
				S1453	323	324	1.0	.008		1.56	.45
				S1454	324	325	1.0	.010		1.00	.59
				S1455	325	326	1.0	.012		.33	.46
				S1456	326	327	1.0	.001		.17	.11
				S1457	327	328	1.0	.013		.24	.59
				S1458	328	329	1.0	.011	.008	.29	.56
				S1459	329	330	1.0	.007		.24	.19
				S1460	330	331	1.0	.005		.21	.22
				S1461	331	332	1.0	.002		.18	.11
				S1462	332	333	1.0	.009		.21	.26
				S1463	333	334	1.0	.002		.17	.06
				S1464	334	335	1.0	.004		.10	.03
				S1465	335	336	1.0	.006		.22	.17
				S1466	336	337	1.0	<.001		.16	.01
				S1467	337	338	1.0	.017		.48	.55
				S1468	338	339	1.0	.006	.004	.39	.40
				S1469	339	340	1.0	.032		.69	1.02
				S1470	340	341	1.0	.014		.35	.40
				S1471	341	342	1.0	.027		.47	.70

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-4
Redrill of DDH-BC-57-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
201'	53.5°	45°
422'	52.5°	44°
637'	52.5°	44°
837'	52.5°	44°
1027'	51.5°	43°
1297'	51.25	42.9°

Hole No. 90-DDH-4 Sheet No. 16/18
Section
Date Begun 11-09-90
Date Finished 15-09-90
Date Logged 16-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4002'

Total Depth 1307' (398.5m)
Logged By R. Peden
Claim CC4 and CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
				S1472	342	343	1.0	.015		.53	1.18
				S1473	343	344	1.0	.004		.18	.21
				S1474	344	345	1.0	<.001		.12	.01
				S1475	345	346	1.0	.012		.25	.29
				S1476	346	347	1.0	<.001		.14	.02
				S1477	347	348	1.0	<.001		.17	.01
				S1478	348	349	1.0	<.001	<.001	.16	.05
				S1479	349	350	1.0	.004		.37	.17
				S1480	350	351	1.0	.005		.35	.17
				S1481	351	352	1.0	.015		.45	1.07
				S1482	352	353	1.0	.003		.23	.31
				S1483	353	354	1.0	.004	.002	.22	.33
				S1484	354	355	1.0	.003		.21	.22
				S1485	355	356	1.0	.002		.57	1.26
				S1486	356	357	1.0	.004		.28	.52
				S1487	357	358	1.0	.001		.20	.19
				S1488	358	359	1.0	<.001	<.001	.17	.04
				S1489	359	360	1.0	.004		.45	.82
				S1490	360	361	1.0	.008		.59	1.25
				S1491	361	362	1.0	.002		.22	.10
				S1492	362	363	1.0	.005		.29	.77

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-4
Redrill of DDH-BC-57-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
201'	53.5°	45°
400'	52.5°	44°
637'	52.5°	44°
837'	52.5°	44°
1007'	51.5°	43°
1297'	51.25	42.9°

Hole No. 90-DDH-4 Sheet No. 17/18
Section
Date Begun 11-09-90
Date Finished 15-09-90
Date Logged 16-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4002'

Total Depth 1307' (398.5m)
Logged By R. PEDEN
Claim CC4 and CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
				51493	363	364	1.0	.005		.34	.38
				51494	364	365	1.0	.002		.44	.34
				51495	365	366	1.0	<.001		.31	.09
				51496	366	367	1.0	<.001		.22	.04
				51497	367	368	1.0	<.001		.31	.26
				51498	368	369	1.0	.001	.003	.33	.46
				51499	369	370	1.0	.004		.41	.43
				51500	370	371	1.0	<.001		.16	.14
				51501	371	372	1.0	.002		.27	.15
				51502	372	373	1.0	<.001		.23	.15
				51503	373	374	1.0	.004		.26	.45
				51504	374	375	1.0	.003		.23	.28
				51505	375	376	1.0	.004		.23	.24
				51506	376	377	1.0	.003		.33	.48
				51507	377	378	1.0	.006		.30	.49
				51508	378	379	1.0	<.001	<.001	.13	.06
				51509	379	380	1.0	<.001		.27	.26
				51510	380	381	1.0	.002		.22	.23
				51511	381	382	1.0	<.001		.22	.22
				51512	382	383	1.0	<.001		.25	.20
				51513	383	384	1.0	.004	.003	.25	.11

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-4
Redrill of DDH-BC-57-1

DIP TEST		
	Angle	
Footage	Reading	Corrected
201'	53.5°	45°
400'	52.5°	44°
637'	52.5°	44°
837'	52.5°	44°
1007'	51.5°	43°
1297'	51.25°	42.9°

Hole No. 90-DDH-4 Sheet No. 18/18
Section
Date Begun 11-09-90
Date Finished 15-09-90
Date Logged 16-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4002'

Total Depth 1307' (398.5m)
Logged By R. Peden
Claim CC4 and CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
				51514	384	385	1.0	.003		.25	.22
				51515	385	386	1.0	.006		.34	.36
				51516	386	387	1.0	.008		.33	.37
				51517	387	388	1.0	<.001		.22	.18
				51518	388	389	1.0	.013		.36	.57
				51519	389	390	1.0	.026		.29	.41
				51520	390	391	1.0	.009		.20	.14
				51521	391	392	1.0	.001		.18	.11
				51522	392	393	1.0	.003		.27	.23
				51523	393	394	1.0	.059		.34	.45
				51524	394	395	1.0	.085	.087	.35	.67
				51525	395	396	1.0	.010		.30	.57
				51526	396	397	1.0	.002		.23	.19
				51527	397	398	1.0	.002		.21	.13
				51528	398	398.5	0.5	.002		<.05	.03
					E.O.H.						

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
447'	53°	44.5°
600'	52.3°	43.8°

Hole No. 90-DDH-5 Sheet No. 1/15
Section
Date Begun 16-09-90
Date Finished 21-09-90
Date Logged 18-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4127'

Total Depth 1013' (308.8m)
Logged By R. Peden
Claim CC 4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
0'	50'	40%	Casing to 50' (No recovery 0'-30',	51529	9.1	10	0.9	<.001		.06	.01
0 m	15.2m		moraine to 50').	51530	10	11	1.0	<.001	<.001	.08	.01
				51531	11	12	1.0	<.001		<.05	.01
50'	127'	100%	PORPHYRITIC TRACHYTE	51532	12	13	1.0	<.001		<.05	.01
15.2m	38.7m		A porphyritic texture with fspars < 1.5cm long.	51533	13	14	1.0	<.001		.06	<.01
			No visible sulphides. Earthy hem (5%).	51534	14	15	1.0	<.001		.10	.05
			Mod. limonitization for interval 102'-108', wk to	51535	15	16	1.0	<.001	<.001	.07	.03
			mod. chloritization, wk argillization and ±	51536	16	17	1.0	<.001		.08	.04
			biotitization.	51537	17	18	1.0	<.001		.11	.04
			At 127' contact dips 45° to the core axis.	51538	18	19	1.0	<.001		.06	.01
			A moderately fractured rock unit.	51539	19	20	1.0	<.001		.07	.01
				51540	20	21	1.0	<.001	<.001	.07	.01
127'	149'	100%	GREEN COLORED PORPHYRITIC TRACHYTE FLOWS	51541	21	22	1.0	<.001		.09	.01
38.7m	45.4m		Weak argillization, chloritization and limonitization	51542	22	23	1.0	<.001		.09	.02
			and ± wk biotitization.	51543	23	24	1.0	<.001		.08	.01
			Minor dissem. mal and chrys (<0.5%). Earthy	51544	24	25	1.0	<.001		.08	.01
			hem (2%).	51545	25	26	1.0	<.001		.08	.02
			At 149' contact dips 35° to core axis. The rock	51546	26	27	1.0	<.001		.08	.03
			unit has a moderate fracture.	51547	27	28	1.0	<.001		.11	.04
				51548	28	29	1.0	<.001		.10	.03
				51549	29	30	1.0	<.001		.10	.02

DIAMOND DRILL RECORD

PROPERTY Copper Canyon **HOLE No.** 90-DDH-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
447	53°	44.5°
600	52.3°	43.8°

Hole No. 90-DDH-5 Sheet No. 2/15
Section
Date Begun 16-09-90
Date Finished 21-09-90
Date Logged 18-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4127'

Total Depth 1013'(308.8m)
Logged By R. Peden
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION
149'	244'	100%	PORPHYRITIC TRACHYTE AND MINOR TUFFS
45.4m	74.4m		Fragmented fspars and volcanic lithic fragments are subrounded.
			Py (<0.5%) v.f dissem. Chrys (<0.5%) dissem.
			Earthy hem (8%) dissem and hairline stringer-veins. Anhydrite veining (<5mm wide), av. 1-3 veins/ten foot.
			Wk calc-silicate (grt, 5%) alteration, chloritization limonitization, sericitization and epidotization.
			± wk k-feldspathization.
			Limonitization is associated with microfracture at interval 236'-244'.
244'	286.5'	100%	FELSIC DYKE
74.4m	87.3m		A fine grained, banded, 2-fspar dyke with wk sericitization.
286.5'	329'	100%	GREEN COLOURED PORPHYRITIC TRACHYTE.
87.3m	100.3m		Fragmented porphyritic fspar are <6mm long. Localised tuff fragments are subrounded <3cm wide. A transition zone where calc-silicate

SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
51550	30	31	1.0	<.001	<.001	.09	.02
51551	31	32	1.0	<.001		.08	.01
51552	32	33	1.0	<.001		.10	.10
51553	33	34	1.0	<.001		.09	.03
51554	34	35	1.0	<.001		.11	.02
51555	35	36	1.0	<.001		.08	.01
51556	36	37	1.0	<.001		.10	.02
51557	37	38	1.0	<.001		.11	.02
51558	38	39	1.0	<.001		.10	.03
51559	39	40	1.0	<.001		.11	.02
51560	40	41	1.0	<.001	<.001	.11	.01
51561	41	42	1.0	<.001		.15	.02
51562	42	43	1.0	<.001		.11	.01
51563	43	44	1.0	<.001		.10	.01
51564	44	45	1.0	<.001		.09	.01
51565	45	46	1.0	<.001	<.001	.07	.01
51566	46	47	1.0	<.001		.08	.01
51567	47	48	1.0	<.001		.11	.01
51568	48	49	1.0	<.001		.09	.01
51569	49	50	1.0	<.001		.08	.01
51570	50	51	1.0	<.001	<.001	.08	.02

continued.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon HOLE No. 90-DDH-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
441'	53°	44.5°
600'	52.3°	43.8°

Hole No. 90-DDH-5 Sheet No. 3/15
Section
Date Begun 16-09-90
Date Finished 21-09-90
Date Logged 18-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4127'

Total Depth 1013' (308.8m)
Logged By R. Peden
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			continued	51571	51	52	1.0	<.001		.07	.02
			(gnt) alteration content increases, cpy content becomes visible and rock hardness increases with depth.	51572	52	53	1.0	<.001		.19	.16
				51573	53	54	1.0	<.001		.14	.21
			Wk to increasingly moderate calc-silicate (gnt) alteration, moderate biotitization, ± wk chloritization, sericitization and argillization.	51574	54	55	1.0	<.001		.42	.27
				51575	55	56	1.0	.002	.003	.11	.05
				51576	56	57	1.0	<.001		.07	.02
				51577	57	58	1.0	<.001		.07	.04
			Gnt (10%) dissem. and veining < 2cm wide.	51578	58	59	1.0	<.001		.23	.06
			Earthy hem (6%) dissem. and poorly defined	51579	59	60	1.0	.001		.07	.08
			stringers. Anhydrite veins (<5mm wide), av. 1 vein/foot	51580	60	61	1.0	<.001	<.001	.09	.11
			286.5'-322'; Cpy (<1%) v.f. dissem and py(<.5%)	51581	61	62	1.0	<.001		.16	.16
			dissem.	51582	62	63	1.0	<.001		.11	.03
			322'-329'; Cpy (5%) dissem. and 1-3cm wide	51583	63	64	1.0	.003		.13	.08
			clots. Py (1%) dissem.	51584	64	65	1.0	.004		.11	.13
				51585	65	66	1.0	.006		.10	.04
329'	367'	100%	PORPHYRITIC TRACHYTE.	51586	66	67	1.0	.004		.12	.05
100.3m	111.9m		Moderately hematized (- red stained) with earthy	51587	67	68	1.0	.004		.14	.02
			hem (20%) dissem, veins (<6mm wide) and massive	51588	68	69	1.0	.002		.15	.16
			flooding. Wk. calc-silicate (gnt) alteration,	51589	69	70	1.0	<.001		.10	.04
			argillization and sericitization. Anhydrite	51590	70	71	1.0	.013	.015	.21	.38
			veins (<3mm wide), av. 3-6 veins/foot	51591	71	72	1.0	.002		.13	.09

continued.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon HOLE No. 90-DDH-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
447'	53°	44.5°
600'	52.3°	43.8°

Hole No. 90-DDH-5 Sheet No. 4/15 Lat.
Section Dep.
Date Begun 16-09-90 Bearing 315°/-45°
Date Finished 21-09-90 Elev. Collar 4127'
Date Logged 19-09-90

Total Depth 1013'(308.8m)
Logged By R. Peden
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			continued.								
			Cpy (1½%) dissem and py (< 1%) dissem. A wk-	51592	72	73	1.0	<.001		.14	.12
			to mod. shear fracture.	51593	73	74	1.0	<.001		.09	.04
367'	406'	100%	GREEN COLOURED ANDESITIC TUFF	51594	74	75	1.0	<.001		.07	.01
111.9m	123.8m		An equigranular rock with wk to moderate	51595	75	76	1.0	<.001		.10	.02
			chloritization and wk sericitization. ± wk	51596	76	77	1.0	<.001		.05	.03
			argillization, biotitization and carbonate	51597	77	78	1.0	<.001		<.05	<.01
			alteration.	51598	78	79	1.0	<.001		<.05	<.01
			No cpy, py (1-2%) dissem and earthy hem(5-6%)	51599	79	80	1.0	<.001		<.05	<.01
				51600	80	81	1.0	<.001	<.001	<.05	<.01
406'	419'	100%	K-SPAR SYENITE MEGAPORPHYRY.	51601	81	82	1.0	<.001		<.05	<.01
123.8	127.7m		Alteration as above for interval 367'-406'	51602	82	83	1.0	<.001		<.05	<.01
			Py (< 0.5%) dissem.	51603	83	84	1.0	<.001		<.05	<.01
				51604	84	85	1.0	<.001		<.05	<.01
419'	447'	100%	GREEN COLOURED PORPHYRITIC TRACHYTE	51605	85	86	1.0	<.001	<.001	<.05	<.01
127.7m	136.3m		Mod. biotitization, wk to mod K-feldspathization,	51606	86	87	1.0	<.001		<.05	<.01
			± wk argillization, sericitization, carbonate	51607	87	88	1.0	<.001		.08	.10
			alteration and calc-silicate (grt) alteration (10%)	51608	88	89	1.0	<.001		.08	.02
			419-432'; Cpy (2-3%) dissem. and minor clots <1cm	51609	89	90	1.0	<.001		.08	.01
			wide. Py (1½%) dissem.	51610	90	91	1.0	<.001	.001	.13	.02
			432-457'; Cpy (4-5%) dissem. and abundant stringer-	51611	91	92	1.0	<.001		.15	.10
			-clots <2cm wide. Py (2½%) dissem and stringer-clots.	51612	92	93	1.0	<.001		.14	.15

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
447'	53°	44.5°
600'	52.3°	43.8°

Hole No. 90-DDH-5 Sheet No. 5/15
Section
Date Begun 16-09-90
Date Finished 21-09-90
Date Logged 19-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4127'

Total Depth 1013' (308.8m)
Logged By R. Peden
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
447	471	100%	GREEN COLOURED ANDESITIC K-SPAR TUFF AND	51613	93	94	1.0	.025		.73	1.35
136.3m	143.6m		MINOR TUFF-AGGLOMERATE.	51614	94	95	1.0	.018		.43	1.01
			Mod. K-feldspathization, wk biotitization, argillization	51615	95	96	1.0	.008	.006	.23	.38
			and calc-silicate (grt) alteration. ± wk. silicification	51616	96	97	1.0	.005		.20	.34
			and chloritization.	51617	97	98	1.0	.010		.23	.45
			Cpy (2-3%) and py (1%) dissem. Earthy hem (4-5%)	51618	98	99	1.0	.021		.73	2.15
			Anhydrite veining (< 3mm wide), av. 1-2 veins/foot.	51619	99	100	1.0	.011		.69	1.01
				51620	100	101	1.0	.005	.006	.37	.23
471'	495'	100%	GREEN COLOURED ANDESITE.	51621	101	102	1.0	.002		.42	.05
143.6m	150.9m		An equigranular rock with localised vugs < 7mm	51622	102	103	1.0	.002		.22	.10
			long. Mod. chloritized ± wk. argillization	51623	103	104	1.0	<.001		.21	.07
			with veins < 3mm wide.	51624	104	105	1.0	<.001		.19	.43
			Py (2%) and mag (2-3%) dissem. Spec hem (2-3%)	51625	105	106	1.0	<.001		.22	.63
				51626	106	107	1.0	.008		.27	.57
495'	525'	100%	GREEN COLOURED FELDSPATHIC ANDESITE TUFF WITH	51627	107	108	1.0	.006		.24	.69
150.9m	160m		MINOR TUFF-BRECCIAS	51628	108	109	1.0	.005		.21	.46
			Subrounded tuff clasts < 3.5cm are localised.	51629	109	110	1.0	.008		.39	1.27
			Increased argillic content towards end of this	51630	110	111	1.0	.013	.009	.28	.59
			interval. wk. to mod. K-feldspathization, wk calc-	51631	111	112	1.0	.006		.17	.54
			silicate (grt) alteration, argillic alteration and	51632	112	113	1.0	.034	.036	.08	.02
			chloritization.	51633	113	114	1.0	.009		.11	.02

Continued

DIAMOND DRILL RECORD

PROPERTY Copper Canyon HOLE No. 90-DDH-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
447'	53°	44.5°
600'	32.3°	43.8°

Hole No. 90-DDH-5 Sheet No. 6/15
Section
Date Begun 16-09-90
Date Finished 21-09-90
Date Logged 19-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4127'

Total Depth 1013' (308.8m)
Logged By R. Peden
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			Continued.								
			Cpy (2%) dissem. and localised clots < 3cm wide.	51634	114	115	1.0	.005		.06	.01
			Py (1%) dissem. Earthy hem (5%) and anhydrite	51635	115	116	1.0	.005		.06	.01
			veins (< 5mm-wide), av. 1-2 veins/foot.	51636	116	117	1.0	<.001		.07	.01
				51637	117	118	1.0	<.001		.06	.01
525'	540'	100%	SHEARED K-SPAR SYENITE MEGAPORPHYRY BRECCIA.	51638	118	119	1.0	.003		.06	.01
160m	164.6m		Trachyte fragments are angular ≤ 8cm wide.	51639	119	120	1.0	.006		.08	.01
			Kspar fragments	51640	220	121	1.0	.002	.002	.05	.01
				51641	121	122	1.0	.003		.07	.01
540	603	100%	GREEN COLOURED PORPHYRITIC TRACHYTE.	51642	122	123	1.0	.005		.08	.05
164.6m	183.8m		Kspar phenocrysts are < 4cm long. A garnet-	51643	223	124	1.0	.003		.15	.17
			hem. assoc. along microfractures.	51644	124	125	1.0	<.001		.13	.15
			Wk calc-silicate (gnt) alteration, K-feldspathization,	51645	125	126	1.0	<.001	<.001	.12	.21
			chloritization and argillization. ± wk	51646	126	127	1.0	<.001		.13	.14
			biotitization.	51647	127	128	1.0	.001		.17	.22
			Cpy (2-3%) and py (1%) dissem. Earthy and	51648	128	129	1.0	.006		.43	.71
			spec. hem (7%). Minor fluorite dissem.	51649	129	130	1.0	.010		1.18	.78
				51650	130	131	1.0	.010	.010	.88	.43
603'	633'	100%	K-SPAR SYENITE MEGAPORPHYRY BRECCIA	51651	131	132	1.0	.063		.51	1.29
183.8	193m		A very bleached, partly sheared rock with fspr	51652	132	133	1.0	.055		.46	.63
			phenocrysts < 5cm long. Breccia fragments	51653	133	134	1.0	.012		.17	.26
			are predominantly volc. lithics and fspr fragments.	51654	134	135	1.0	.030		.17	.37

NEVILLE CROSBY INC.

Continued.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon HOLE No. 90-ODH-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
447'	53°	44.5°
600'	52.3°	43.8°

Hole No. 90-ODH-5 Sheet No. 7/15
Section
Date Begun 16-09-90
Date Finished 21-09-90
Date Logged 19-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4127'

Total Depth 1013'(308.8m)
Logged By R. Peden
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			continued	51655	135	136	1.0	.089	.096	.32	.61
			cpy (2±%) dissem and localised clotting <5mm-wide	51656	136	137	1.0	.139	.145	.34	.65
			py (1%) and fluorite (8%) dissem and veining.	51657	137	138	1.0	.358	.381/.365	2.17	2.54
			Spec. hem dissem. Anhydrite veining (<6cm-wide)	51658	138	139	1.0	.596	.665/.989	2.63	3.81
			, av. 3-5 veins/foot.	51659	139	140	1.0	.212	.191	1.05	1.01
			Wk to mod. argillization and wk K-feldspathization,	51660	140	141	1.0	.112	.112	.69	1.14
633'	710'	100%	GREEN COLOURED FELDSPATHIC TRACHYTE TUFF.	51661	141	142	1.0	.091	.083	.40	.79
193m	216.5m		Mod calc-silicate (gnt) alteration wk to mod.	51662	142	143	1.0	.115	.108	.37	.88
			biotitization, wk-K-feldspathization and ± wk	51663	143	144	1.0	.081	.088	.20	.58
			chloritization, argillization and carbonate	51664	144	145	1.0	.003		.07	.03
			alteration.	51665	145	146	1.0	<.001		.06	.02
			Earthy hem (8-10%) and spec hem (1%) dissem.	51666	146	147	1.0	<.001		.07	.02
			and stringers (<2mm wide). Anhydrite veining,	51667	147	148	1.0	.004		.07	.02
			(<4mm wide) averages 1-4 veins/foot.	51668	148	149	1.0	.004		.10	.04
			633'-680'; cpy (2-2½%) and py (1-1½%) dissem.	51669	149	150	1.0	.003		.07	.04
			680'-710'; cpy (3%) and py (1%) dissem.	51670	150	151	1.0	.002	.003	.15	.13
				51671	151	152	1.0	.012		.44	.76
715'	729'	100%	GREEN COLOURED PORPHYRITIC TRACHYTE	51672	152	153	1.0	.018		.44	.62
216.5m	222.2m		Fragmented K-spar phenocrysts < 3cm long.	51673	153	154	1.0	.011		.44	.67
			Mod. biotitization, wk to mod. calc-silicate	51674	154	155	1.0	.007		.57	1.18
			(gnt) alteration and K-feldspathization, and	51675	155	156	1.0	.004		.33	.72

Continued.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
447	53°	44.5°
600	52.3°	43.8°

Hole No. 90-DDH-5 Sheet No. 8/15
Section
Date Begun 16-09-90
Date Finished 21-09-90
Date Logged 20-09-90

Lat.
Dep.
Bearing 315°-45°
Elev. Collar 4127'

Total Depth 1013' (308.8m)
Logged By R. Peden
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			continued								
			wk. carbonate alteration, ± wk chloritization.	51676	156	157	1.0	.005		.35	.74
			Spec and earthy hem (8%) dissem and stringers	51677	157	158	1.0	.004		.44	1.54
			< 2mm wide assoc with garnet..	51678	158	159	1.0	.003		.38	.75
			Cpy (3-3½%) and py (<1%) dissem.	51679	159	160	1.0	<.001		.44	1.03
				51680	160	161	1.0	<.001	<.001	.25	.31
729'	781'	100%	GREEN COLOURED FELOSPATHIC TRACHYTE TUFFS	51681	161	162	1.0	.007		.58	.12
222.2m	238.1m		Wk to mod. calc-silicate (grt) and biotite	51682	162	163	1.0	.002		.21	.15
			alteration, wk K-feldspathization and	51683	163	164	1.0	.013		1.50	.48
			carbonate alteration, and ± wk epidotization	51684	164	165	1.0	.006		.31	.23
			Cpy (3%) and py (1±%) dissem. Intermittent	51685	165	166	1.0	<.001	<.001	.22	.08
			anhydrite veining.	51686	166	167	1.0	<.001		.16	.24
				51687	167	168	1.0	<.001		.19	.21
781'	858'	100%	K-SPAR SYENITE MEGAPORPHYRY DYKE.	51688	168	169	1.0	.004		.19	.43
238.1m	261.6m		At 858' the contact dips 45° to the core axis.	51689	169	170	1.0	<.001		.19	.33
			K-spar phenocrysts are < 6cm-long.	51690	170	171	1.0	<.001	<.001	.10	.05
			Wk biotitization and ± wk carbonate alteration.	51691	171	172	1.0	.002		.13	.03
			Py (<0.5%) and earthy hematite (4%) dissem.	51692	172	173	1.0	<.001		.14	.16
			Anhydrite veining (< 4mm wide), av. 1 vein/foot.	51693	173	174	1.0	<.001		.20	.13
			Minor fluorite dissem.	51694	174	175	1.0	<.001		.33	.40
				51695	175	176	1.0	<.001	.002	.36	.28
				51696	176	177	1.0	<.001		.41	.16

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON

HOLE No. 90-DDH-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
447'	53°	44.5°
600'	51.3°	43.8°

Hole No. 90-DDH-5 Sheet No. 9/15
Section
Date Begun 16-09-90
Date Finished 21-09-90
Date Logged 21-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4127'

Total Depth 1013' (308.8m)
Logged By R. Peden
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
858'	863'	100%	PORPHYRITIC TRACHYE-ANDESITE FLOWS.	51697	177	178	1.0	.015		.84	.70
261.6m	263.1m		Euhedral to sub-anhedral Fspr phenocrysts (<5mm	51698	178	179	1.0	.015		1.50	.98
			wide) are angular and fragmented in part.	51699	179	180	1.0	.003		.31	.15
			Mod. calc-silicate (gnt) alteration, wk biotitization,	51700	180	181	1.0	.008	.010	.72	.50
			K-feldspathization and carbonate alteration.	51701	181	182	1.0	.004		.28	.17
			Cpy (4%) and py (2%) dissem. Earthy hem (8-	51702	182	183	1.0	.005		.30	.16
			-10%) and anhydrite veining (<5mm-wide), av.	51703	183	184	1.0	.005		.40	.41
			1-3 veins/foot.	51704	184	185	1.0	.010		.34	.26
			The rock is very competent.	51705	185	186	1.0	.003		.16	.13
				51706	186	187	1.0	.002		.10	.05
863'	932.5'	100%	K-SPAR SYENITE MEGAPORPHYRY DYKE	51707	187	188	1.0	.009		.78	.37
263.1m	284.3m		±Py (<0.5%), primary biotite and anhydrite	51708	188	189	1.0	.004		.59	.59
			veining.	51709	189	190	1.0	.008		.31	.09
			At 932.5' the contact dips 20° to the core axis	51710	190	191	1.0	.002	.002	.08	.04
				51711	191	192	1.0	<.001		.05	<.01
932.5'	936'	100%	DARK COLOURED TRACHYTE TUFFS	51712	192	193	1.0	<.001		.07	.03
284.3m	285.4m		Mod. calc-silicate (gnt) alteration and biotitization,	51713	193	194	1.0	<.001		.10	.02
			± wk K-feldspathization and carbonate alteration.	51714	194	195	1.0	<.001		.09	.01
			Cpy (7%) dissem and localised veins ≤3cm-wide.	51715	195	196	1.0	<.001		.10	.06
			Py (2-3%) dissem and earthy hem. (8-10%) dissem.	51716	196	197	1.0	.003		.09	.03
			Anhydrite veining (<1mm wide), av. 1 vein/foot.	51717	197	198	1.0	<.001		.10	.04

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-ODH-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
447'	53°	44.5°
600'	52.3°	43.8°

Hole No. 90-ODH-5 Sheet No. 10/15
Section
Date Begun 16-09-90
Date Finished 21-09-90
Date Logged 21-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4127'

Total Depth 1013' (308.8m)
Logged By R. Peden
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
936'	962'	100%	K-spar Syenite Megaporphyry Dyke	51718	198	199	1.0	<.001		.14	.16
285.4m	293.3m		Py (4%) dissem. Earthy hem. (6%) dissem. and	51719	199	200	1.0	.002		.16	.13
			anhydrite veining (<2mm-wide), av. 1-2 veins per	51720	200	201	1.0	.009		.40	.46
			foot.	51721	201	202	1.0	.003		.25	.26
			At 962' the contact dips 20° to the core axis.	51722	202	203	1.0	<.001		.15	.06
				51723	203	204	1.0	<.001		.08	.03
962'	1013'	100%	Maroon Coloured Porphyritic Trachye -	51724	204	205	1.0	.002		.31	.28
293.3m	308.8m		- Andesite Flows.	51725	205	206	1.0	.002		.47	.26
E.O.H.			Mod to intense K-feldspathization and wk -	51726	206	207	1.0	.003		.32	.27
			biotitization and calc-silicate (grt) alteration.	51727	207	208	1.0	.007	.010	.91	.89
			Cpy (3-3½%) dissem. and poorly defined stringer-	51728	208	209	1.0	.008	.007	.61	.65
			veins ≤ 1cm-wide associated with anhydrite	51729	209	210	1.0	.002		.27	.35
			veining.	51730	210	211	1.0	.012		.64	1.11
			Py (3%) dissem. and assoc with Cpy stringer-	51731	211	212	1.0	.003		.18	.29
			-veins.	51732	212	213	1.0	.008		.60	1.00
			Anhydrite veining (≤1cm-wide), av. 2-3 veins/foot.	51733	213	214	1.0	.007		.44	.74
				51734	214	215	1.0	.005		.36	.60
			Broken rods and one core barrel remain down	51735	215	216	1.0	<.001		.23	.33
			hole due to difficulties and "tightness"	51736	216	217	1.0	.002		.28	.37
			encountered during drilling.	51737	217	218	1.0	.004	.006	.20	.17
				51738	218	219	1.0	.003		.19	.17

Continued.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon HOLE No. 90-DDH-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
447'	53°	44.5°
600'	52.8°	43.8°

Hole No. 90-DDH-5 Sheet No. 11/15
Section
Date Begun 16-09-90
Date Finished 21-09-90
Date Logged 21-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4127'

Total Depth 1013' (308.8m)
Logged By R Peden
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			Continued.								
			Rock competency;	51739	219	220	1.0	.006		.42	.55
			Moderate rock fracturing occurs in the interval	51740	220	221	1.0	.009		.51	.62
			30'-200'. Weak rock fracturing occurs	51741	221	222	1.0	.005		.64	.64
			in the interval 200'-300'. Rock hardness	51742	222	223	1.0	.002		.38	.38
			increases with depth from 300'.	51743	223	224	1.0	.002		.45	.47
				51744	224	225	1.0	.003		.34	.47
				51745	225	226	1.0	<.001		.21	.15
				51746	226	227	1.0	<.001		.21	.12
				51747	227	228	1.0	<.001		.21	.17
				51748	228	229	1.0	<.001		.19	.33
				51749	229	230	1.0	<.001		.33	.34
				51750	230	231	1.0	.002		.27	.46
				51751	231	232	1.0	<.001		.16	.16
				51752	232	233	1.0	<.001		.20	.35
				51753	233	234	1.0	.002		.29	.48
				51754	234	235	1.0	<.001		.31	.45
				51755	235	236	1.0	<.001		.31	.40
				51756	236	237	1.0	.006		.33	.48
				51757	237	238	1.0	.008	.006	.46	.53
				51758	238	239	1.0	.008	.011	.43	.82
				51759	239	240	1.0	.005		.04	.03

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon HOLE No. 90-DDH-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
447'	53°	44.5°
600'	52.3°	43.8°

Hole No. 90-DDH-5 Sheet No. 12/15
Section
Date Begun 16-09-90
Date Finished 21-09-90
Date Logged 21-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4127'

Total Depth 1013' (308.8m)
Logged By R.Peden
Claim CC 4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
				51760	240	241	1.0	<.001		<.05	.01
				51761	241	242	1.0	<.001		<.05	<.01
				51762	242	243	1.0	<.001		<.05	<.01
				51763	243	244	1.0	<.001		<.05	<.01
				51764	244	245	1.0	<.001		<.05	<.01
				51765	245	246	1.0	<.001		<.05	.01
				51766	246	247	1.0	<.001		<.05	.01
				51767	247	248	1.0	<.001	<.001	<.05	<.01
				51768	248	249	1.0	<.001	<.001	<.05	.01
				51769	249	250	1.0	<.001		<.05	<.01
				51770	250	251	1.0	<.001		<.05	<.01
				51771	251	252	1.0	.002		<.05	.01
				51772	252	253	1.0	.002		<.05	.01
				51773	253	254	1.0	.003		<.05	<.01
				51774	254	255	1.0	<.001		<.05	<.01
				51775	255	256	1.0	<.001		<.05	.01
				51776	256	257	1.0	<.001		<.05	.01
				51777	257	258	1.0	<.001	<.001	<.05	.01
				51778	258	259	1.0	<.001		<.05	.01
				51779	259	260	1.0	<.001		<.05	.01
				51780	260	261	1.0	<.001		<.05	.01

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon **HOLE No.** 90-DDH-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
447'	53°	44.5°
600'	52-3°	43.8°

Hole No. 90-DDH-5 Sheet No. 13/15
Section
Date Begun 16-09-90
Date Finished 21-09-90
Date Logged 21-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4127'

Total Depth 1013' (308.8m)
Logged By R. Peden
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
				51781	261	262	1.0	<.001		.31	.28
				51782	262	263	1.0	.004		.14	.27
				51783	263	264	1.0	<.001		.17	.25
				51784	264	265	1.0	<.001	<.001	<.05	.01
				51785	265	266	1.0	<.001		<.05	.01
				51786	266	267	1.0	<.001		<.05	<.01
				51787	267	268	1.0	<.001		<.05	<.01
				51788	268	269	1.0	<.001		<.05	<.01
				51789	269	270	1.0	<.001	<.001	<.05	<.01
				51790	270	271	1.0	<.001		<.05	<.01
				51791	271	272	1.0	<.001		<.05	<.01
				51792	272	273	1.0	<.001		<.05	<.01
				51793	273	274	1.0	<.001		<.05	<.01
				51794	274	275	1.0	<.001	<.001	<.05	<.01
				51795	275	276	1.0	<.001		<.05	.01
				51796	276	277	1.0	<.001		1.19	.23
				51797	277	278	1.0	<.001		.50	.06
				51798	278	279	1.0	<.001		<.05	<.01
				51799	279	280	1.0	<.001		<.05	<.01
				51800	280	281	1.0	<.001		<.05	<.01
				51801	281	282	1.0	<.001		<.05	.01

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
447'	53°	44.5°
600'	52.3°	43.8°

Hole No. 90-DDH-5 Sheet No. 14/15
Section
Date Begun 16-09-90
Date Finished 21-09-90
Date Logged 21-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4127'

Total Depth 1013' (308.8m)
Logged By R. Peden
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
				51802	282	283	1.0	<.001		<.05	<.01
				51803	283	284	1.0	<.001		<.05	.05
				51804	284	285	1.0	.090	.086	5.89	5.15
				51805	285	286	1.0	.012		.42	.48
				51806	286	287	1.0	.002		<.05	.06
				51807	287	288	1.0	<.001		<.05	.01
				51808	288	289	1.0	<.001		<.05	.04
				51809	289	290	1.0	<.001		<.05	.06
				51810	290	291	1.0	<.001	<.001	<.05	<.01
				51811	291	292	1.0	Not	Recorded	--	--
				51812	292	293	1.0	<.001		<.05	.05
				51813	293	294	1.0	.022		1.36	1.58
				51814	294	295	1.0	.006	.006	.29	.17
				51815	295	296	1.0	.006		.77	.63
				51816	296	297	1.0	.008		.75	.59
				51817	297	298	1.0	<.001		.61	.61
				51818	298	299	1.0	.004		.52	.46
				51819	299	300	1.0	.003	.003	.15	.18
				51820	300	301	1.0	.011		.26	.19
				51821	301	302	1.0	.002		.19	.18
				51822	302	303	1.0	.002		.37	.41

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon **HOLE No.** 90-DDH-5

DIP TEST		
	Angle	
Footage	Reading	Corrected
447'	53°	44.5°
600'	52.3°	43.8°

Hole No. 90-DDH-5 Sheet No. 15/15
Section
Date Begun 16-09-90
Date Finished 21-09-90
Date Logged 21-09-90

Lat.
Dep.
Bearing 315°/-45°
Elev. Collar 4127'

Total Depth 1013' (308.8m)
Logged By R. Pedersen
Claim CC4
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
				51823	303	304	1.0	.007		.66	1.06
				51824	304	305	1.0	.003		.19	.26
				51825	305	306	1.0	.004		.07	.18
				51826	306	307	1.0	.002		.11	.17
				51827	307	308	1.0	.011		.48	.47
				51828	308	308.8	0.8	.010		.35	.31
					E.O.H.						

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon

HOLE No. 90-DDH-6

DIP TEST		
	Angle	
Footage	Reading	Corrected
587'	91	91°

Hole No. 90-DDH-6 Sheet No. 1/8
Section
Date Begun 21-09-90
Date Finished 23-09-90
Date Logged 22-09-90

Lat.
Dep.
Bearing Vertical
Elev. Collar 4127'

Total Depth 589' (179.5m)
Logged By R. Peden
Claim CC4 and CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
0	52.4'	61.8%	Casing to 40'. No recovery 0-20' (overburden),	51829	16	17	1.0	<.001	<.001	.10	.06
0m	16.0m		and moraine 20'-52.4'.	51830	17	18	1.0	.006		.06	.07
52.4'	76.5'	100%	LIGHT GREEN (BLEACHED) COLOURED PORPHYRITIC	51831	18	19	1.0	.003		.10	.24
16.0m	23.3m		TRACHYTE	51832	19	20	1.0	<.001		.08	.06
			Wk to mod chloritization, wk sericitization and	51833	20	21	1.0	<.001		.07	.05
			argillization, and ± wk K-feldspathization and	51834	21	22	1.0	.001	<.001	.05	.05
			calc-silicate (grt) alteration, ± limonitization	51835	22	23	1.0	<.001		.08	.07
			Minor chrys (2%) dissem. Anhydrite veins (<2mm	51836	23	24	1.0	.005		.13	.69
			-wide), av. 1 vein/foot.	51837	24	25	1.0	<.001		.07	.10
			A two fspar trachyte with no visible sulphides	51838	25	26	1.0	.003		.08	.09
				51839	26	27	1.0	<.001	<.001	.08	.09
76.5'	77.5'	100%	TRACHYE - ANDESITE TUFF	51840	27	28	1.0	.003		.11	.13
23.3m	23.6m		Mod calc-silicate alteration, wk biotitization	51841	28	29	1.0	<.001		.10	.12
			and wk K-feldspathization.	51842	29	30	1.0	<.001		.11	.12
			Cpy (5%) dissem. and localised veins < 2cm-wide	51843	30	31	1.0	.002		.13	.12
			Ag no visible. Earthy hem. (4%) and chrys (3-4%)	51844	31	32	1.0	.001		.11	.12
			dissem. and hairline stringers.	51845	32	33	1.0	<.001		.10	.08
				51846	33	34	1.0	<.001		.09	.08
77.5'	80'	100%	As for interval 52.4' to 76.5' but with	51847	34	35	1.0	.001		.11	.10
23.6m	24.4m		wk to mod chloritization, wk K-feldspathization and	51848	35	36	1.0	.010		.12	.28
			sericitization, and ± wk argillization and calc-silicate	51849	36	37	1.0	<.001	.002	.12	.19

NEVILLE CROSBY INC.

Continued

DIAMOND DRILL RECORD

PROPERTY COPPER CANYON HOLE No. 90-DDH-6

DIP TEST		
	Angle	
Footage	Reading	Corrected
587'	91°	91°

Hole No. 90-DDH-6 Sheet No. 2/8
Section
Date Begun 21-09-90
Date Finished 23-09-90
Date Logged 22-09-90

Lat.
Dep.
Bearing Vertical
Elev. Collar 4127'

Total Depth 589' (179.5m)
Logged By R. Peden
Claim CC4 and CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	Continued DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			(grt) alteration. ± limonitization.	51850	37	38	1.0	.001		.09	.09
			At 80' the contact dips ~45° to the core axis.	51851	38	39	1.0	<.001		.09	.09
			Chrys (1%) and earthy hem (2%) dissem.	51852	39	40	1.0	<.001		.07	.06
				51853	40	41	1.0	.004		.11	.13
80'	94'	100%	As for 77.5'–80' but with mod limonitization	51854	41	42	1.0	<.001		.10	.11
24.4m	28.6m		and earthy hematite veins ≤2cm wide (at 88' and 89')	51855	42	43	1.0	<.001		.07	.03
			For this interval there is a moderate rock fracture.	51856	43	44	1.0	<.001		.09	.13
				51857	44	45	1.0	.021	.023	.48	.97
94'	97'	100%	PORPHYRITIC TRACHYTE BRECCIA.	51858	45	46	1.0	<.001		.09	.12
28.6m	29.5m		Abundant hematitic red staining (20%). A moderately	51859	46	47	1.0	.003	.006	.10	.14
			fractured rock with Fragmented K-spars.	51860	47	48	1.0	.005		.08	.14
			Minor chrys (1%) dissem.	51861	48	49	1.0	.003		.08	.11
				51862	49	50	1.0	.004		.11	.17
97'	141'	100%	LIGHT GREEN COLOURED (BLEACHED) PORPHYRITIC	51863	50	51	1.0	.001		.11	.13
29.5m	43.0m		TRACHYTE BRECCIA.	51864	51	52	1.0	<.001	<.001	.06	.05
			Sub-rounded dark volc lithic fragments are <3.5	51865	52	53	1.0	<.001		.06	.04
			cm-wide. Fragmented fspars are less than	51866	53	54	1.0	.003		.15	.33
			-wide. An intensely fractured rock with wk.	51867	54	55	1.0	<.001		.09	.05
			K-feldspathization, chloritization, argillization and	51868	55	56	1.0	<.001		.06	.03
			sericitization, and ± wk calc-silicate (grt)	51869	56	57	1.0	.003	.007	.12	.14
			alteration and epidotization. Chrys (2%) dissem.	51870	57	58	1.0	.021		.08	.08

continued.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon **HOLE No.** 90-ODH-6

DIP TEST		
	Angle	
Footage	Reading	Corrected
587'	91°	91°

Hole No. 90-ODH-6 Sheet No. 3/8 Lat.
Section Dep.
Date Begun 21-09-90 Bearing Vertical
Date Finished 23-09-90 Elev. Collar 4127'
Date Logged 22-09-90

Total Depth 589' (179.5m
Logged By R. Peden
Claim CC4 and CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			continued								
			and earthy hem. (8-10%) dissem and hair line	51871	58	59	1.0	.002		.12	.24
			stringers.	51872	59	60	1.0	<.001		.09	.09
				51873	60	61	1.0	.008		.11	.17
141'	169'	100%	LIMONITIZED TRACHYTE.	51874	61	62	1.0	.006		.09	.07
43.0m	51.5m		Mod. pervasive limonitization. Earthy hem (4%)	51875	62	63	1.0	.042		.11	.20
			along hair-line stringers. Chrys (<0.5%) dissem.	51876	63	64	1.0	.004		.08	.15
			and anhydrite veining (<3mm-wide), av. 1 vein/	51877	64	65	1.0	.003		.08	.11
			foot.	51878	65	66	1.0	.012		.12	1.06
			Fspars are fragmented.	51879	66	67	1.0	.018	.019	.13	.81
				51880	67	68	1.0	.016		.12	.64
169'	171.5'	100%	SHEARED AND BANDED FELSIC DYKE	51881	68	69	1.0	.006		.09	.16
51.5m	52.3m		Wk sericitization and ± limonitization. No	51882	69	70	1.0	.008		.09	.18
			visible mineralization.	51883	70	71	1.0	.013		.10	.34
				51884	71	72	1.0	.006		.07	.16
171.5'	175'	100%	As for interval 141'-169' but with	51885	72	73	1.0	.023		.15	.74
52.3m	53.3m		Abundant earthy hem (12%) and anhydrite	51886	73	74	1.0	.037		.49	1.38
			veining (<4mm-wide), av. 3-5 veins/foot.	51887	74	75	1.0	.021		.20	.82
				51888	75	76	1.0	.021		.12	.55
175'	205'	100%	GREEN COLOURED PORPHYRITIC TRACHYTE FLOWS	51889	76	77	1.0	.017	.014	.12	.52
53.3m	62.5m		Wk to mod. argillization, wk sericitization, and	51890	77	78	1.0	.010		.11	.26
			± wk K-feldspathization and calc-silicate (grt)	51891	78	79	1.0	.004		.08	.10

Continued

DIAMOND DRILL RECORD

PROPERTY Copper Canyon **HOLE No.** 90-DDH-6

DIP TEST		
	Angle	
Footage	Reading	Corrected
587'	91°	91°

Hole No. 90-DDH-6 Sheet No. 4/8
Section
Date Begun 21-09-90
Date Finished 23-09-90
Date Logged 22-09-90

Lat.
Dep.
Bearing Vertical
Elev. Collar 4127'

Total Depth 589' (179.5m)
Logged By R. Peden
Claim CC4 and CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	continued DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
			alteration.	51892	79	80	1.0	.020		.11	.12
			Earthy hem (2-3%) along hair-line stringer veins	51893	80	81	1.0	.022		.11	.19
			and anhydrite veining along microfractures.	51894	81	82	1.0	.014		.12	.31
			A 2-fspar (ab? + kspr) rock.	51895	82	83	1.0	.031		.28	.76
				51896	83	84	1.0	.040		.37	.94
205'	215'	100%	MAROON COLOURED TRACHYTE FLOW.	51897	84	85	1.0	.005		.10	.21
62.5m	65.5m		cpy (<1%) and py (<0.5%) dissem.	51898	85	86	1.0	.010		.10	.20
			Wk. K-feldspathization and calc-silicate (grt)	51899	86	87	1.0	.008	.012	.11	.30
			alteration, and ± wk argillization, sericitization	51900	87	88	1.0	.015		.11	.40
			and chloritic alteration.	52901	88	89	1.0	.016		.12	.32
			At 215' the contact is enriched with earthy	52902	89	90	1.0	.003		.08	.11
			hematite and potash clay.	52903	90	91	1.0	.056	.048	1.20	2.20
				52904	91	92	1.0	.026	.028	.48	.95
215'	249'	100%	DARK MAROON COLOURED TRACHYE-ANDESITE	52905	92	93	1.0	.016	.	.12	.30
65.5m	75.9m		TUFFS AND TUFF-AGGLOMERATES.	52906	93	94	1.0	.017		.14	.34
			Brecciated to sub-rounded Fragments of	52907	94	95	1.0	.020		.23	.58
			porphyritic trachyte and dark volcanic	52908	95	96	1.0	.043		.54	1.21
			lithics are ≤ 3.5cm long.	52909	96	97	1.0	.019	.021	.26	.45
			cpy (2½%) and py (1%) dissem. Earthy hem (8%)	52910	97	98	1.0	.006		.13	.23
			Mod. calc-silicate (grt) alteration and K-feldspathization,	52911	98	99	1.0	.003		.05	.05
			and wk biotitization, and ± chloritization.	52912	99	100	1.0	.003		<.05	.02

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon **HOLE No.** 90-DDH-6

DIP TEST		
	Angle	
Footage	Reading	Corrected
587'	91°	91°

Hole No. 90-DDH-6 Sheet No. 5/8
Section
Date Begun 21-09-90
Date Finished 23-09-90
Date Logged 23-09-90

Lat.
Dep.
Bearing Vertical
Elev. Collar 4127'

Total Depth 587' (179.5m)
Logged By R. Peden
Claim CC4 and CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (M)	TO (M)	WIDTH OF SAMPLE (M)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
249'	274'	100%	Intensely fractured and faulted trachyte	52913	100	101	1.0	.014		.14	.46
75.9m	83.5m		An intensely fractured rock with wk-K-feldspathization,	52914	101	102	1.0	.006	.005	.09	.14
			and wk argillization and sericitization. Abundant	52915	102	103	1.0	.013		.11	.21
			clay alteration.	52916	103	104	1.0	.008		.12	.43
			249'-255'; cpy (1%) and py (1%) dissem.	52917	104	105	1.0	.004		.10	.22
			255'-268'; py (≤0.5%) dissem and minor fluorite	52918	105	106	1.0	.008		.08	.11
			dissem. Fault gouge at 260' and 264'-265'.	52919	106	107	1.0	.014	.013	.10	.16
			268'-274'; cpy (2%) and py (1%) dissem.	52920	107	108	1.0	.009		.10	.13
				52921	108	109	1.0	.019		.12	.24
274'	317'	100%	Grey-maroon coloured porphyritic trachye-	52922	109	110	1.0	.056		.18	.36
83.5m	96.6m		andesite agglomerate.	52923	110	111	1.0	.016		.12	.20
			Sub-rounded to brecciated Kspar fragments and	52924	111	112	1.0	.021		.16	.46
			dark lithic volc. fragments.	52925	112	113	1.0	.006		.12	.35
			Wk to mod K-feldspathization, wk biotitization, and	52926	113	114	1.0	.015		.24	.86
			± wk carbonate alteration and argillization.	52927	114	115	1.0	.021		.31	1.23
			Abundant clay alteration products.	52928	115	116	1.0	.025		.22	1.13
			cpy (3%), py (1%) and spec. hem (8%) dissem.	52929	116	117	1.0	.017	.015	.14	.71
			Minor fluorite dissem. A 2-fspr (ab? + Kspr) rock	52930	117	118	1.0	.014		.10	.38
			with a weak to moderate fracture throughout.	52931	118	119	1.0	.010		.08	.18
				52932	119	120	1.0	.028		.09	.30
				52933	120	121	1.0	.005		.05	.14

NEVILLE CROSBY INC.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon **HOLE No.** 90-DDH-6

DIP TEST		
	Angle	
Footage	Reading	Corrected
587'	91°	91°

Hole No. 90-DDH-6 Sheet No. 6/8
Section
Date Begun 21-09-90
Date Finished 23-09-90
Date Logged 23-09-90

Lat.
Dep.
Bearing Vertical
Elev. Collar 4127'

Total Depth 587' (179.5m)
Logged By R. Peden.
Claim CC4 and CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
317'	329'	100%	K-SPAR SYENITE MEGAPORPHYRY	52934	121	122	1.0	.004		.05	.11
96.6m	100.3m		Py (2½%) and spec hem (12%) dissem. K-spar	52935	122	123	1.0	.027		.14	.79
			phenocrysts are ≤ 4cm long, commonly fragmented.	52936	123	124	1.0	.036		.15	.90
			A rock with moderate fracturing, wk carbonate	52937	124	125	1.0	.011		.10	.32
			alteration (veins <2mm wide, av. 1 vein/3 feet) and	52938	125	126	1.0	.042		.13	.71
			± argillization.	52939	126	127	1.0	.054	.057	.27	1.15
				52940	127	128	1.0	.027	.	.11	.34
329'	361'	100%	GREY COLOURED FELDSPATHIC TRACHYTE TUFF	52941	128	129	1.0	.016		.10	.31
100.3m	110.0m		A moderately fractured rock with wk. to mod.	52942	129	130	1.0	.008		.09	.26
			argillization and mod K-feldspathization.	52943	130	131	1.0	.011		.09	.30
			329'-347'; cpy (1½%), py (2½%) and spec hem.	52944	131	132	1.0	.004	.004	.08	.17
			(2%) dissemination.	52945	132	133	1.0	.009		.08	.17
			347'-361'; py (2-2½%) dissemination.	52946	133	134	1.0	.007		.09	.17
			A 2-fspr (ab? + K-spar) rock.	52947	134	135	1.0	.008		.10	.24
				52948	135	136	1.0	.020		.12	.48
361'	373'	100%	PORPHYRITIC TRACHYTE FLOW.	52949	136	137	1.0	.021	.019	.12	.51
110.0m	113.7m		K-spar phenocrysts ≤ 3cm-long.	52950	137	138	1.0	.018		.12	.58
			wk to mod. argillization and wk K-feldspathization.	52951	138	139	1.0	.007		.11	.34
			Cpy (1½%) dissem and py (2%) dissem.	52952	139	140	1.0	.012		.12	.51
				52953	140	141	1.0	.025		.17	.96
				52954	141	142	1.0	.021	.020	.13	.63

DIAMOND DRILL RECORD

PROPERTY Copper Canyon **HOLE No.** 90-DDH-6

DIP TEST		
	Angle	
Footage	Reading	Corrected
587'	91°	91°

Hole No. 90-DDH-6 Sheet No. 7/8
Section
Date Begun 21-09-90
Date Finished 23-09-90
Date Logged 23-09-90

Lat.
Dep.
Bearing Vertical
Elev. Collar 4127'

Total Depth 587' (179.5m)
Logged By R. Peden.
Claim CC4 and CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
373'	384'	100%	GREY COLOURED TRACHYTE FLOW	52955	142	143	1.0	.008		.12	.44
113.7m	117.0m		Wk. K-feldspathization and argillization. Abundant	52956	143	144	1.0	.010		.11	.35
			clay alteration and ± carbonate alteration.	52957	144	145	1.0	.018		.13	.61
			Cpy (2%), py (1%) and spec. hem dissem.	52958	145	146	1.0	.005		.10	.29
			A moderately fractured rock.	52959	146	147	1.0	.012	.009	.13	.50
				52960	147	148	1.0	.025		.14	.66
384'	401'	100%	K-SPAR SYENITE MEGAPORPHYRY	52961	148	149	1.0	.011		.12	.38
117.0m	122.2m		A mod. fractured rock with wk. argillization.	52962	149	150	1.0	.010		.11	.32
			Py (2%) and spec. hem. dissem.	52963	150	151	1.0	.012		.12	.54
				52964	151	152	1.0	.009		.12	.40
401'	468'	100%	GREEN AND GREY COLOURED TRACHY-ANDESITE	52965	152	153	1.0	.012		.11	.34
122.2m	142.7m		LAPILLI ASH TUFFS WITH MINOR BRECCIA -	52966	153	154	1.0	.001		.08	.17
			AGGLOMERATES.	52967	154	155	1.0	.002		.09	.14
			Observing less K-spar (K-feldspathized) crystals than	52968	155	156	1.0	.007		.09	.20
			in the above intervals. Argillization content is	52969	156	157	1.0	.009	.009	.11	.29
			decreasing c.f. above ints.	52970	157	158	1.0	.008		.12	.44
			Wk to mod K-feldspathization, biotitization and	52971	158	159	1.0	.009		.13	.39
			± wk carbonate alteration, chloritization and	52972	159	160	1.0	.012		.12	.41
			argillization. Localised dark volc. lithics (<3cm long)	52973	160	161	1.0	.009		.10	.19
			Cpy (2½-3%), py (2%), earthy and spec. hem, and minor	52974	161	162	1.0	.007		.12	.44
			fluorite dissem. Chabazite (zeolite clay) along	52975	162	163	1.0	.009		.11	.31

microfracture is localised.

DIAMOND DRILL RECORD

PROPERTY Copper Canyon **HOLE No.** 90-DDH-6

DIP TEST		
	Angle	
Footage	Reading	Corrected
589'	91°	91°

Hole No. 90-DDH-6 Sheet No. 8/8
Section
Date Begun 21-09-90
Date Finished 23-09-90
Date Logged 23-09-90

Lat.
Dep.
Bearing Vertical
Elev. Collar 4127'

Total Depth 589' (179.5m)
Logged By R. Arden
Claim CC4 and CC6
Core Size NQ

DEPTH FROM	DEPTH TO	RECOVERY	DESCRIPTION	SAMPLE No.	FROM (m)	TO (m)	WIDTH OF SAMPLE (m)	Au (oz/t)	Au (oz/t)	Ag (oz/t)	Cu (%)
468'	589'	100%	Green Coloured Trachye-Andesite Lapilli Tuff-Agglomerate;	52976	163	164	1.0	.022		.12	.40
142.7m	179.5m		Dark lithic volcanic frags 3-4cm long and fspr frags,	52977	164	165	1.0	.018		.12	.46
E.O.H			angular to subrounded, ≤ 1.5cm long.	52978	165	166	1.0	.034		.12	.34
			468'-507'; cpy(2½-3%) and py (2%) dissem.	52979	166	167	1.0	.012	.012	.09	.19
			507'-535'; cpy(1½%) and py(2%) dissem	52980	167	168	1.0	.015		.12	.26
			535-589'; cpy(1%) and py (2%) dissem.	52981	168	169	1.0	.025		.13	.48
			Spec hem (5-8%) dissem and localised fluorite	52982	169	170	1.0	.008		.13	.38
			and chabazite along microfractures.	52983	170	171	1.0	.022		.13	.54
			Wk to mod K-feldspathization and biotitization	52984	171	172	1.0	.016	.015	.13	.46
			and wk chloritization, and ± wk argillization	52985	172	173	1.0	.042		.25	.59
			and carbonate alteration.	52986	173	174	1.0	.011		.12	.25
			Drilling stopped due to "tightness" of hole.	52987	174	175	1.0	.013		.12	.36
				52988	175	176	1.0	.017		.16	.53
			Rock Competency:	52989	176	177	1.0	.012		.13	.41
			Moderate rock fracturing throughout intervals	52990	177	178	1.0	.025		.15	.82
			52'-97', 169'-274' and 274'-589'. Intense	52991	178	179	1.0	.015		.19	.54
			rock fracturing in intervals 97'-141' and	52992	179	179.5	0.5	.004		.13	.17
			249'-274'.		E.O.H.						

NEVILLE CROSBY INC.

APPENDIX III

DRILL CORE ASSAY CERTIFICATES
(90 DDH 1 to 6 inclusive)

TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Exploration Ltd.
10th Floor, Box 10-808 West Hastings St.
Vancouver, B.C.
V6C 2X6

REPORT No. S1008

INVOICE #: 15541
P.O.: R-2554

SAMPLE(S) OF Core

R. Peden
Project: Copper Canyon 90 DDH - 1

REMARKS: Wrangell Samples - G.M.L. Minerals

	Au ozt	Ag ozt	Cu %
35101	.025	.84	2.18
35102	.063	.84	1.41
35103	.022	.97	1.61
35104	.019	.67	1.24
35105	.011	.45	.89
35106	.009	.52	1.71
35107	.008	.58	1.77
35108	.003/.005	.10	.17
35109	.012/.009	.50	.85
35110	.009	.80	1.95
35111	.010	.54	1.12
35112	.016	.99	1.85
35113	.005	.58	1.59
35114	.014	.50	.76
35115	.013	.85	1.49
35116	.028	1.06	1.45
35117	.004	1.08	2.38
35118	.006/.008	1.25	2.04
35119	.008	1.30	2.19
35120	.019	1.61	2.35

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SAMPLE(S) OF Core

R. Peden
Project: Copper Canyon

REMARKS: Wrangell Samples - G.M.L. Minerals

	Au ozt	Ag ozt	Cu %
35121	.016	1.14	2.17
35122	.024	1.46	2.41
35123	.018	1.36	2.54
35124	.029	1.02	1.90
35125	.026	.59	1.37
35126	.021	1.92	2.41
35127	.054	1.61	1.97
35128	.104/.100	2.42	3.48
35129	.060	1.17	1.31
35130	.019	.89	.63
35131	.020	.41	.38
35132	.023	.81	1.12
35133	.016	.51	.59
35134	.009	.41	.45
35135	.006	.38	.34
35136	.014	.25	.23
35137	.008	.47	.56
35138	.010/.005	1.00	2.19
35139	.003/.003	.24	.31
35140	.006	.32	.41

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SAMPLE(S) OF Core

R. Peden
Project: Copper Canyon

REMARKS: Wrangell Samples - G.M.L. Minerals

	Au ozt	Ag ozt	Cu %
35141	.004	.24	.34
35142	.007	.37	.33
35143	.008	.51	.67
35144	.004	.45	.44
35145	.010	.61	1.62
35146	.007	.87	.88
35147	.065	.25	.23
35148	.046/.044	.26	.27
35149	.011/.010	1.16	.72
35150	.004	.27	.38
35151	.003	.11	.09
35152	.002	.09	.10
35153	.013	.25	.17
35154	.012	.25	.16
35155	.013	.51	.81
35156	.013	.54	1.42
35157	.010	.40	.69
35158	.005/.004	.33	.36
35159	.037	1.85	1.13
35160	.019	.92	1.68

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SAMPLE(S) OF Core

R. Peden
Project: Copper Canyon

REMARKS: Wrangell Samples - G.M.L. Minerals

	Au ozt	Ag ozt	Cu %
35161	.023	.10	.01
35162	.017	.10	.02
35163	.008	<.05	.01
35164	.002	<.05	.01
35165	.003	<.05	.01
35166	.002	<.05	.01
35167	<.001	<.05	.01
35168	.003/.002	<.05	.01
35169	.002	<.05	.01
35170	<.001	<.05	.01
35171	<.001	<.05	.01
35172	<.001	<.05	.01
35173	<.001	<.05	.01
35174	.003	<.05	.01
35175	<.001	<.05	.01
35176	.004	<.05	.01
35177	.016	.07	.01
35178	.010/.009	<.05	.01
35179	.034/.036	<.05	.01
35180	.016	.09	.10

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SAMPLE(S) OF Core

R. Peden
Project: Copper Canyon

REMARKS: Wrangell Samples - G.M.L. Minerals

	Au ozt	Ag ozt	Cu %
35181	<.001	<.05	<.01
35182	<.001	<.05	<.01
35183	<.001	<.05	<.01
35184	<.001	.06	.01
35185	.001	<.05	.01
35186	.018	.41	.65
35187	.037	.19	.28
35188	.128/.131	.38	.48
35189	.172/.157	.25	.24
35190	.214/.198	.50	.80
35191	.101/.109	.53	.86
35192	.094/.094	.50	.90
35193	.081/.068	.27	.31
35194	.101/.087	.26	.35
35195	.141/.134	.41	.67
35196	.066	.33	.77
35197	.080/.076	.31	.90
35198	.240/.226	.51	1.47
35199	.045	.24	.43
35200	.088/.083	.20	.40

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REPORT No. S1008

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SAMPLE(S) OF Core

R. Peden
Project: Copper Canyon

REMARKS: Wrangell Samples - G.M.L. Minerals

	Au ozt	Ag ozt	Cu %
35201	.210/.195	.40	.69
35202	.109/.118	.54	.64
35203	.475/.418/.449	.49	.90
35204	.026	.26	.40
35205	.024	.29	.36
35206	.058	.41	.87
35207	.041	.29	.52
35208	.105/.102	.55	1.94
35209	.108/.102	.39	.54
35210	.033	.07	.14
35211	.020	.13	.21
35212	.038	.12	.25
35213	.039	.20	.14
35214	.008	.05	.04
35215	.006	<.05	.02
35216	.007	.15	.08
35217	.009	<.05	.01
35218	.007/.010	.07	.09
35219	.027/.032	.27	.44
35220	.017	.16	.26

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Vancouver, B.C.
V6C 2X6

REPORT No. S1008

INVOICE #: 15541
P.O.: R-2554

SAMPLE(S) OF Core

R. Peden
Project: Copper Canyon

REMARKS: Wrangell Samples - G.M.L. Minerals

	Au ozt	Ag ozt	Cu %
35221	.054	.16	.27
35222	.031	.19	.40
35223	.014	.10	.17
35224	.022	.20	.37
35225	.010	.17	.30
35226	.021	.25	.56
35227	.036	.24	.73
35228	.066/.061	.21	.34
35229	.037/.031	.11	.12
35230	.016	.12	.19
35231	.015	.07	.02
35232	.005	.09	.12
35233	.013	.10	.22
35234	.004	<.05	.02
35235	.008	.05	.02
35236	.022	.05	.03
35237	.010	.06	.02
35238	.008	.08	.10
35239	.005	.05	.02
35240	.008	.12	.17

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P.O.: R-2554

SAMPLE(S) OF Core

R. Peden
Project: Copper Canyon

REMARKS: Wrangell Samples - G.M.L. Minerals

	Au ozt	Ag ozt	Cu %
35241	.025	.15	.22
35242	.015	.14	.17
35243	.008	.19	.38
35244	.004	.12	.19
35245	.008	.07	.09
35246	.008	.11	.17
35247	.027	.13	.21
35248	.006	.12	.14
35249	.005	.06	.08
35250	.009	.07	.04
35251	.004	.06	.03
35252	.002	.08	.08
35253	.001	.09	.10
35254	.012	.12	.10
35255	.002	.07	.03
35256	.001	.08	.08
35257	.003/.002	.09	.11
35258	Not Rec'd	----	----
35259	.001/.003	.06	.03
35260	.003/.004	.05	.02

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V6C 2X6

REPORT No. S1008

INVOICE #: 15541
P.O.: R-2554

SAMPLE(S) OF Core

R. Peden
Project: Copper Canyon

REMARKS: Wrangell Samples - G.M.L. Minerals

	Au ozt	Ag ozt	Cu %
35261	.003	<.05	.01
35262	.002	<.05	.01
35263	.002	.05	.01
35264	.003	<.05	.01
35265	.003	<.05	.01
35266	.001	<.05	<.01
35267	.003	.05	.01
35268	.001/.002	<.05	.01
35269	.005/.003	<.05	.01
35270	.002	<.05	.01
35271	.001	<.05	.01
35272	.001	<.05	.01
35273	.002	<.05	.01
35274	.001	<.05	.01
35275	.004	<.05	.02
35276	.001	<.05	.01
35277	.003	<.05	.01
35278	.001/<.001	.05	<.01
35278 A	<.001	<.05	.01
35279	.001	.05	.01

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SAMPLE(S) OF Core

R. Peden
Project: Copper Canyon

REMARKS: Wrangell Samples - G.M.L. Minerals

	Au ozt	Ag ozt	Cu %
35280	<.001	<.05	<.01
35281	<.001	.07	.02
35282	<.001	.06	.03
35283	<.001	.06	.02
35283 A	<.001	.15	.22
35284	.006	.07	.02
35285	<.001	.05	.01
35286	<.001/<.001	.05	.02
35287	<.001	.09	.02
35288	<.001	.06	.01
35289	<.001	.06	.01
35290	<.001	.05	.02
35291	<.001	.05	.01
35292	<.001	.05	.01
35293	.002	<.05	<.01
35294	<.001	<.05	<.01
35295	<.001	.05	.01
35296	<.001/<.001	.05	<.01
35297	<.001/<.001	.05	<.01
35298	<.001	.06	<.01

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REPORT No. S1009

INVOICE #: 15542
P.O.: R-2557

SAMPLE(S) OF Core

R. Peden
Project: Copper Canyon 90DDH-1

REMARKS: Wrangell Samples - G.M.L Minerals

	Au ozt	Ag ozt	Cu %
35299	<.001	<.05	<.01
35300	<.001	<.05	<.01
35301	<.001	<.05	.01
35302	<.001	<.05	.01
35303	<.001	<.05	.07
35304	<.001	<.05	.02
35305	<.001	<.05	<.01
35306	<.001	<.05	.02
35307	<.001/<.001	<.05	.01
35308	<.001/<.001	<.05	.01
35309	<.001	<.05	.02
35310	<.001	.06	.02
35311	<.001	<.05	<.01
35312	<.001	<.05	.01
35313	<.001	.06	<.01
35314	<.001	.06	.01
35315	<.001	<.05	.01
35316	<.001	.10	.08
35317	<.001/<.001	<.05	<.01
35318	<.001	<.05	.01

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REPORT No. S1009

INVOICE #: 15542
P.O.: R-2557

SAMPLE(S) OF Core

R. Peden
Project: Copper Canyon

REMARKS: Wrangell Samples - G.M.L Minerals

	Au ozt	Ag ozt	Cu %
35319	<.001	<.05	<.01
35320	.015/.013	<.05	<.01
35321	.002	.05	.02
35322	<.001	.05	.01
35323	<.001	.19	.03
35324	<.001	.05	.02
35325	<.001	<.05	<.01
35326	<.001	<.05	.01
35327	<.001/<.001	<.05	<.01
35328	<.001	<.05	.01

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REPORT No. S1045

INVOICE #: 15555
P.O.: R-2582

SAMPLE(S) OF Drill Core

Ross Peden
Project Copper Canyon 90 DDH - 2

REMARKS: Wrangell Samples/ G.M.L. Minerals Cons.

	Au ozt	Ag ozt	Cu %
35329	.014	.69	1.21
35330	.030	.74	1.59
35331	.020	.15	.74
35332	.015	.39	.61
35333	.017/.015	.10	.53
35334	.005	<.05	.17
35335	.022	.10	.47
35336	.011	.37	.53
35337	.010	.29	.42
35338	.015/.012	.45	.97
35339	.024	.70	1.17
35340	.019	.35	.61
35341	.012	.24	.54
35342	.013	.32	.56
35343	.013/.010	.27	.46
35344	.019	.63	1.29
35345	.044	1.37	3.03
35346	.036	1.04	2.59
35347	.071	.95	2.67
35348	.105/.106	1.12	1.60

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SAMPLE(S) OF Drill Core

Ross Peden
Project Copper Canyon

REMARKS: Wrangell Samples/ G.M.L. Minerals Cons.

	Au ozt	Ag ozt	Cu %
35349	.132/.112	.84	1.52
35350	.018	.46	.62
35351	.025	.24	.34
35352	.016	.31	.51
35353	.028/.028	.74	1.06
35354	.073	1.38	3.00
35355	.053	.81	1.85
35356	.094/.097	1.30	2.82
35357	.085/.091	1.54	3.31
35358	.087/.083	1.49	3.24
35359	.059	.97	2.56
35360	.042	.69	1.47
35361	.041	.69	1.36
35362	.111/.111	2.06	3.60
35363	.035/.041	.56	1.29
35364	.046	.48	1.27
35365	.074	.92	2.24
35366	.051	1.16	1.96
35367	.062	1.10	2.13
35368	.098/.091	1.59	2.78

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SAMPLE(S) OF Drill Core

Ross Peden
Project Copper Canyon

REMARKS: Wrangell Samples/ G.M.L. Minerals Cons.

	Au ozt	Ag ozt	Cu %
35369	.118/.114	1.98	3.31
35370	.068	1.45	2.23
35371	.025	.64	.66
35372	.030	1.06	1.35
35373	.083/.092	1.77	1.89
35374	.085/.091	1.90	2.31
35375	.035	1.30	1.84
35376	.041	1.55	2.58
35377	.030	1.49	2.44
35378	.026/.031	1.27	1.95
35379	.031	1.45	2.14
35380	.015	1.18	1.25
35381	.018	1.39	1.46
35382	.048	1.07	2.74
35383	.031/.032	1.38	1.87
35384	.111/.102	2.22	2.79
35385	.065	1.84	2.54
35386	.031	.73	1.14
35387	.058	.83	1.60
35388	.086/.085	1.75	2.86

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SAMPLE(S) OF Drill Core

Ross Peden
Project Copper Canyon

REMARKS: Wrangell Samples/ G.M.L. Minerals Cons.

	Au ozt	Ag ozt	Cu %
35389	.042	1.00	1.62
35390	.040	.70	1.14
35391	.044	.92	1.67
35392	.043	.84	1.69
35393	.151/.153	2.36	5.41
35394	.061	.95	2.29
35395	.044	.80	1.48
35396	.089/.104	1.33	4.40
35397	.140/.138	2.56	3.95
35398	.141/.141	1.81	3.92
35399	.113/.141	3.59	4.78
35400	.230/.137/.159	2.51	5.55
35401	.107/.100	1.96	3.91
35402	.125/.125	2.08	5.34
35403	.046/.051	1.09	2.88
35404	.018	.30	.91
35405	.035	.93	2.46
35406	.054	.58	2.17
35407	.054	.68	2.85
35408	.041/.032	.63	1.72

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SAMPLE(S) OF Drill Core

Ross Peden
Project Copper Canyon

REMARKS: Wrangell Samples/ G.M.L. Minerals Cons.

	Au ozt	Ag ozt	Cu %
35409	.018	.39	.65
35410	.066	.74	1.07
35411	.057	.68	.92
35412	.026	.53	.49
35413	.014/.013	.45	.72
35414	.030	.47	.88
35415	.086/.087	1.29	3.18
35416	.022	.40	.94
35417	.020	.30	.72
35418	.029/.033	.38	.94
35419	.019	.32	.61
35420	.021	.32	.49
35421	.013	.18	.34
35422	.007	.20	.39
35423	.003/.003	.08	.03
35424	.002	.05	.03
35425	.001	.06	.02
35426	.022	.25	.27
35427	.042	.55	.57
35428	.106/.121	.68	1.27

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Ross Peden
Project Copper Canyon

REMARKS: Wrangell Samples/ G.M.L. Minerals Cons.

	Au ozt	Ag ozt	Cu %
35429	.035	.32	.40
35430	.104/.108	1.23	2.04
35431	.022	.33	.36
35432	.108/.091	1.13	1.62
35433	.359/.467/.382	3.90	3.17
35434	.272/.275/.273	2.84	3.80
35435	.100/.075	1.33	1.63
35436	.087/.081	.94	1.19
35437	.052	1.04	.63
35438	.040	.99	.70
35439	.041	.79	.63
35440	.036	.74	.59
35441	.043	.84	.78
35442	.059	1.36	1.20
35443	.053/.058	1.36	1.17
35444	.034	.72	.57
35445	.022	.56	.45
35446	.139/.140	2.39	2.97
35447	.070	1.46	1.55
35448	.066/.060	1.07	.69

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Ross Peden
Project Copper Canyon

REMARKS: Wrangell Samples/ G.M.L. Minerals Cons.

	Au ozt	Ag ozt	Cu %
35449	.012	.60	.50
35450	.058	.85	.83
35451	.073	1.34	1.43
35452	.044	.94	.87
35453	.207/.227	3.71	6.99
35454	.193/.144/.169	2.43	4.48
35455	.127/.133	2.63	3.15
35456	.110/.100	1.79	2.37
35457	.144/.124/.134	1.77	2.32
35458	.123/.118	.93	1.00
35459	.021	.40	.45
35460	.015	.19	.32
35461	.804/.896/.920	.37	.17
35462	.045/.046	.18	.11
35463	.020/.015	.10	.08
35464	.012	.15	.11
35465	.004	.14	.10
35466	.062	.80	.79
35467	.022	.44	.35
35468	.004	1.12	1.04

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Ross Peden
Project Copper Canyon

REMARKS: Wrangell Samples/ G.M.L. Minerals Cons.

	Au ozt	Ag ozt	Cu %
35469	.015	.17	.12
35470	.017	.33	.27
35471	.030	.90	.77
35472	.016	.57	.40
35473	.036/.039	.78	.75
35474	.033	.52	.43
35475	.054	.92	1.04
35476	.042	.86	.58
35477	.061	.44	.43
35478	.028	.75	.56
35479	.010	.42	.34
35480	.099/.106	1.52	1.13
35481	.028	.55	.34
35482	.115/.110	.58	.62
35483	.026/.029	.67	.76
35484	.020	.41	.35
35485	.054	.81	.59
35486	.043	.41	.32
35487	.021	.19	.10
35488	.066/.073	.81	.84

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SAMPLE(S) OF Drill Core

Ross Peden
Project Copper Canyon

REMARKS: Wrangell Samples/ G.M.L. Minerals Cons.

	Au ozt	Ag ozt	Cu %
35489	.035	.50	.45
35490	.023	.44	.38
35491	.034	.33	.36
35492	.057	.48	.50
35493	.020/.018	.29	.23
35494	.370/.386/.394	.29	.17
35495	.268/.260/.276	.24	.19
35496	.096/.110	.18	.25
35497	.130/.121	.19	.25
35498	.236/.250	.23	.29
35499	.027	.22	.36
35500	.031	.18	.18
35501	.052	.17	.77
35502	.026	.12	.26
35503	.010/.012	.19	.40
35504	.013	.16	.23
35505	.016	.10	.20
35506	.015	.15	.55
35507	.025	.22	1.12
35508	.016	.11	.32

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SAMPLE(S) OF Drill Core

Ross Peden
Project Copper Canyon

REMARKS: Wrangell Samples/ G.M.L. Minerals Cons.

	Au ozt	Ag ozt	Cu %
35509	.010	.12	.35
35510	.020	.12	.55
35511	.014	.08	.18
35512	.010	.10	.09
35513	.005/.009	.10	.17
35514	.004	.07	.11
35515	.002	.14	.04
35516	.016	.07	.09
35517	.009	.12	.16
35518	.013	.12	.68
35519	.011	.15	1.07
35520	.018	.16	.32
35521	.043	.38	2.13
35522	.037	.30	1.23
35523	.013/.020	.20	.49
35524	.014	.19	.70
35525	.010	.09	.14
35526	.076	.23	1.00
35527	.022	.11	.20
35528	.020/.019	.13	.21

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10th Floor-Box 10
808 West Hastings Street.
Vancouver, B.C. V6C 2X6

REPORT No. S1046

INVOICE #: 15556
P.O.: R-2583

SAMPLE(S) OF Drill Core

Ross Peden
Project Copper Canyon 90DDH-2

REMARKS: Wrangell Samples/ G.M.L. Mineral Cons.

	Au ozt	Ag ozt	Cu %
35529	.017	.11	.12
35530	.004	.17	.19
35531	.020	.19	.34
35532	.012	.13	.36
35533	.036	.26	.51
35534	.058	.37	.40
35535	.138/.116/.071	.77	2.06
35536	.037	.15	.59
35537	.013	.44	.45
35538	.024	.25	.30
35539	.028	.47	.97
35540	.032	.57	.58
35541	.024	.31	.70
35542	.032	.34	.88
35543	.063	.15	.18
35544	.024/.024	.16	.37
35545	.015	.16	.45
35546	.022	.17	.27
35547	.020	.17	.43
35548	.016	.13	.21

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S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Explorations Ltd.
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Vancouver, B.C. V6C 2X6

REPORT No. S1046

INVOICE #: 15556
P.O.: R-2583

SAMPLE(S) OF Drill Core

Ross Peden
Project Copper Canyon

REMARKS: Wrangell Samples/ G.M.L. Mineral Cons.

	Au ozt	Ag ozt	Cu %
35549	.019	.14	.59
35550	.022	.16	.30
35551	.028	.27	.63
35552	.030	.39	.50
35553	.031	.32	.32
35554	.026/.027	.24	.34
35555	.026	.38	.42
35556	.034	.49	1.05
35557	.033	.29	.46
35558	.035	.35	.56
35559	.025	.28	.24
35560	.016	.17	.14
35561	.015	.16	.25
35562	.012	.13	.29
35563	.022	.41	1.41
35564	.012/.008	.10	.17
35565	.018	.13	.45
35566	.010	.24	.41
35567	.009	.09	.05
35568	.015/.019	.06	.04

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SAMPLE(S) OF Drill Core

Ross Peden
Project Copper Canyon

REMARKS: Wrangell Samples/ G.M.L. Mineral Cons.

	Au ozt	Ag ozt	Cu %
35569	.003	.07	.17
35570	.005	.07	.13
35571	.044	.74	1.28
35572	.069	.18	.36
35573	.045	.20	.45
35574	.111/.113	.24	.78
35575	.076	.22	.58
35576	.061	.18	.46
35577	.080/.108	.38	.75
35578	.091/.082	.34	.74
35579	.044	.22	.39
35580	.040	.10	.14
35581	.003	<.05	<.05
35582	.026	.06	.08
35583	.009	.09	.12
35584	.016/.011	<.05	.01
35585	.067	.05	.01
35586	.065	.14	.17
35587	.126/.126	.77	1.31
35588	.181/.171	.73	1.38

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INVOICE #: 15556
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SAMPLE(S) OF Drill Core

Ross Peden
Project Copper Canyon

REMARKS: Wrangell Samples/ G.M.L. Mineral Cons.

	Au ozt	Ag ozt	Cu %
35589	.017	.06	.04
35590	.083/.087	<.05	<.01
35591	.059	.06	.02
35592	.284/.340/.308	.26	.22
35593	.180/.171	.07	<.01
35594	.103/.103	.05	<.01
35595	.032	.05	.07
35596	.268/.303/.245	.11	.07
35597	.046	<.05	<.01
35598	.078	<.05	<.01
35599	.042	<.05	<.01

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REPORT No. S1139

INVOICE #: 15698
P.O.: R2635

SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON 90 DDH - 3

REMARKS: Wrangell Samples - G.M.L. Minerals

	Au ozt	Ag ozt	Cu %
51001	.048	<.05	1.42
51002	.014	<.05	1.01
51003	.006	<.05	.84
51004	.007	<.05	1.07
51005	.006	<.05	.80
51006	.005	<.05	.54
51007	.004	<.05	.19
51008	<.001	<.05	.09
51009	.003/.003	<.05	.08
51010	.002/.002	<.05	.08
51011	<.001	<.05	.08
51012	<.001	<.05	.10
51013	<.001	<.05	.13
51014	<.001	<.05	.07
51015	<.001	<.05	.08
51016	<.001	<.05	.07
51017	<.001	<.05	.05
51018	<.001/<.001	<.05	.04
51019	<.001	<.05	.03
51020	<.001	<.05	.02

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INVOICE #: 15698
P.O.: R2635

SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples - G.M.L. Minerals

	Au ozt	Ag ozt	Cu %
51021	<.001	<.05	.04
51022	<.001	<.05	.05
51023	<.001	<.05	.04
51024	<.001	<.05	.04
51025	<.001	<.05	.04
51026	<.001	<.05	.04
51027	<.001	<.05	.05
51028	<.001	<.05	.03
51029	<.001/<.001	<.05	.02
51030	<.001	<.05	.04
51031	<.001	<.05	.05
51032	<.001	<.05	.06
51033	<.001	<.05	.06
51034	<.001	<.05	.05
51035	<.001	<.05	.05
51036	<.001	<.05	.06
51037	<.001	<.05	.05
51038	<.001	<.05	.06
51039	<.001/<.001	.05	.17
51040	<.001	<.05	.06

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Project COPPER CANYON

REMARKS: Wrangell Samples - G.M.L. Minerals

	Au ozt	Ag ozt	Cu %
51041	<.001	<.05	.07
51042	<.001	.05	.05
51043	<.001	<.05	.05
51044	<.001	<.05	.07
51045	<.001	<.05	.07
51046	<.001	<.05	.08
51047	<.001	.10	.07
51048	<.001	.17	.08
51049	<.001/<.001	.15	.09
51050	<.001	<.05	.06
51051	<.001	<.05	.05
51052	<.001	<.05	.05
51053	<.001	.05	.04
51054	<.001	<.05	.04
51055	<.001	<.05	.03
51056	<.001	.09	.03
51057	<.001/<.001	<.05	.04
51058	<.001	<.05	.05
51059	<.001/<.001	<.05	.07
51060	<.001	.11	.14

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SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples - G.M.L. Minerals

	Au ozt	Ag ozt	Cu %
51061	<.001	<.05	.06
51062	<.001	<.05	.07
51063	<.001	<.05	.09
51064	<.001	.05	.05
51065	<.001	.06	.06
51066	<.001	<.05	.09
51067	<.001/<.001	<.05	.04
51068	<.001	<.05	.05
51069	<.001/<.001	<.05	.04
51070	<.001	<.05	.05
51071	<.001	<.05	.06
51072	<.001	<.05	.05
51073	<.001	<.05	.06
51074	<.001	<.05	.06
51075	<.001	<.05	.05
51076	<.001	<.05	.05
51077	<.001	<.05	.05
51078	<.001	<.05	.04
51079	<.001/<.001	<.05	.05
51080	<.001/<.001	<.05	.05

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SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples - G.M.L. Minerals

	Au ozt	Ag ozt	Cu %
51081	<.001	<.05	.05
51082	<.001	<.05	.05
51083	<.001	<.05	.04
51084	<.001	.05	.05
51085	.008/.006	.06	.02
51086	<.001	<.05	<.01
51087	<.001	<.05	.01
51088	<.001	<.05	<.01
51089	<.001/<.001	<.05	<.01
51090	<.001/<.001	<.05	<.01
51091	<.001	<.05	<.01
51092	<.001	.12	<.01
51093	<.001	.13	<.01
51094	<.001	.13	<.01
51095	<.001	.05	<.01
51096	<.001	<.05	<.01
51097	<.001	<.05	<.01
51098	<.001	<.05	<.01
51099	<.001/<.001	<.05	<.01
51100	<.001	.06	<.01

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SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples - G.M.L. Minerals

	Au ozt	Ag ozt	Cu %
51101	<.001	<.05	<.01
51102	<.001	<.05	<.01
51103	<.001	<.05	<.01
51104	<.001	<.05	<.01
51105	<.001	.14	.23
51106	<.001	<.05	.26
51107	.004	<.05	.09
51108	<.001	<.05	.04
51109	<.001/<.001	<.05	.04
51110	<.001	<.05	.06
51111	<.001	<.05	.02
51112	<.001	<.05	.03
51113	<.001	<.05	.02
51114	<.001	<.05	.30
51115	<.001	<.05	.24
51116	.003	.07	.39
51117	.004	<.05	.45
51118	.002	<.05	.18
51119	.004/.004	<.05	.43
51120	.005/.005	.05	.40

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SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples - G.M.L. Minerals

	Au ozt	Ag ozt	Cu %
51121	.006	.13	.18
51122	.008	<.05	.36
51123	.006	<.05	.16
51124	.008	<.05	.12
51125	.020	<.05	.13
51126	.005	.07	.33
51127	.003	<.05	.08
51128	.005	<.05	.12
51129	.007/.006	.07	.30
51130	.006/.006	<.05	.10
51131	.004	<.05	.05
51132	.009	<.05	.10
51133	.008	<.05	.10
51134	.005	<.05	.17
51135	.002	<.05	.09
51136	.004	<.05	.02
51137	<.001	<.05	.02
51138	<.001	<.05	.02
51139	.003/.004	.09	.13
51140	.014	.19	.15

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SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples - G.M.L. Minerals

	Au ozt	Ag ozt	Cu %
51141	.061/.062	.50	.85
51142	.001/.001	<.05	.01
51143	.006	.10	<.01
51144	<.001	<.05	<.01
51145	<.001/<.001	<.05	<.01
51146	<.001	<.05	<.01
51147	<.001/<.001	<.05	<.01
51148	<.001	<.05	<.01
51149	.006/.004	<.05	<.01
51150	.008	<.05	<.01
51151	.004	.10	.01
51152	<.001	.05	<.01
51153	<.001	<.05	.01
51154	.002	<.05	<.01
51155	<.001	<.05	<.01
51156	<.001	<.05	<.01
51144 A	<.001	<.05	<.01

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INVOICE #: 15706
P.O.: R-2644

SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON 90 DDH - 4

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51157	.002	<.05	.02
51158	.027/.031	<.05	.10
51159	.002	<.05	.27
51160	.002	<.05	.33
51161	.001	<.05	.15
51162	.004	<.05	.02
51163	.003/.003	<.05	.01
51164	.002	<.05	.01
51165	.003/.002	<.05	.01
51166	.001	<.05	.01
51167	.001	<.05	.01
51168	.002	<.05	.01
51169	.006	<.05	.01
51170	.002	<.05	.01
51171	.002	<.05	.18
51172	.001	<.05	.08
51173	.001/.001	<.05	.10
51174	.002	<.05	.01
51175	.003	<.05	.02
51176	.004	<.05	.01

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REPORT No.
S1157

INVOICE #: 15706
P.O.: R-2644

SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51177	.001	<.05	.01
51178	.002	<.05	.01
51179	.002	<.05	.01
51180	.003	<.05	.01
51181	.002	<.05	.01
51182	.001	<.05	.01
51183	.002	<.05	.01
51184	.003/.004	<.05	.02
51185	.015	<.05	.02
51186	.005	<.05	.03
51187	.004	<.05	.01
51188	.002	<.05	.03
51189	<.001	<.05	.05
51190	.003	<.05	.06
51191	.007	<.05	.02
51192	.023	<.05	.02
51193	.016/.017	<.05	.02
51194	.007	<.05	.16
51195	.015/.019	<.05	.15
51196	.030	<.05	.04

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SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51197	.046	<.05	.03
51198	.020	<.05	.06
51199	.003	<.05	.06
51200	.002	<.05	.03
51201	.002	<.05	.05
51202	.002	<.05	.04
51203	.001/.002	<.05	.08
51204	.001	<.05	.03
51205	.003/.001	<.05	.03
51206	.003	<.05	.08
51207	.004	<.05	.16
51208	.012	<.05	.06
51209	.003	<.05	.06
51210	.001	<.05	.05
51211	.006	<.05	.07
51212	.004	<.05	.04
51213	.002/.003	<.05	.05
51214	.003	<.05	.34
51215	.002	<.05	.06
51216	<.001	<.05	.06

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TSL LABORATORIES
DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Explorations Ltd.
Prime Capital Place
10th Floor-Box 10
808 West Hastings Street.
Vancouver, B.C. V6C 2X6

REPORT No. S1157

INVOICE #: 15706
P.O.: R-2644

SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51217	.003	<.05	.10
51218	.003	<.05	.07
51219	.004	<.05	.19
51220	.034	<.05	.04
51221	.010	<.05	.03
51222	.006	<.05	.02
51223	.013/.015	<.05	.02
51224	.012	<.05	.02
51225	.007	<.05	.02
51226	.004	<.05	.02
51227	.009	<.05	.01
51228	.004	<.05	.01
51229	.001	<.05	.01
51230	<.001	<.05	.01
51231	<.001	<.05	.02
51232	.009	<.05	.04
51233	<.001/<.001	<.05	.02
51234	<.001	<.05	.02
51235	<.001/<.001	<.05	.02
51236	.001	<.05	.02

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SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51237	.002	<.05	.03
51238	.011	<.05	.03
51239	.004	<.05	.09
51240	.009	<.05	.01
51241	.004	<.05	.02
51242	.016	<.05	.03
51243	.012/.011	.25	.02
51244	.010	<.05	.11
51245	.013/.015	<.05	.08
51246	<.001/<.001	<.05	.05
51247	.001/.004	<.05	.05
51248	.023	<.05	.06
51249	.002	<.05	.05
51250	.011	<.05	.06
51251	.115/.123/.114	<.05	.02
51252	.012	<.05	.01
51253	.018/.018	.11	.04
51254	.009	<.05	.14
51255	.003	<.05	.23
51256	.029	<.05	.07

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SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51257	.001	<.05	.06
51258	<.001	<.05	.09
51259	<.001	<.05	.10
51260	.001	<.05	.06
51261	.001	<.05	.07
51262	.016	<.05	.05
51263	.007/.006	<.05	.05
51264	.002	<.05	.04
51265	<.001	<.05	.05
51266	.005	<.05	.06
51267	.007	<.05	.05
51268	.009	<.05	.07
51269	.010	<.05	.05
51270	.008	<.05	.04
51271	.008	<.05	.06
51272	.004	<.05	.04
51273	.003/.002	<.05	.04
51274	.001	<.05	.04
51275	.010/.012	<.05	.06
51276	.028	.34	.44

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SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51277	.030	.39	.84
51278	.089/.088	.86	1.28
51279	.026	.31	1.06
51280	.074	.36	1.05
51281	.046	.38	1.40
51282	.074	.39	1.26
51283	.046/.047	.41	1.02
51284	.005	.06	.15
51285	.008/.008	.15	.19
51286	.024	.32	.57
51287	.026	.31	.64
51288	.025	.33	.69
51289	.020	.26	.49
51290	.040	.49	.93
51291	.029	.38	.74
51292	.054	.64	1.29
51293	.026/.026	.38	.59
51294	.030	.50	.75
51295	.031	.42	.70
51296	.022	.34	.58

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SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51297	.016	.30	.45
51298	.035	.42	.76
51299	.025	.42	.51
51300	.025	.50	.63
51301	.388/.390/.407	.90	.75
51302	.035	.50	.78
51303	.034/.037	.65	.80
51304	.021	.51	.62
51305	.004/.004	.09	.11
51306	.017	.29	.34
51307	.060	.85	1.54
51308	.053	.71	1.32
51309	.040	.65	1.03
51310	.020	.40	.45
51311	.037	.66	.96
51312	.026	.45	.79
51313	.052/.057	.86	1.50
51314	.039	.59	1.02
51315	.031/.030	.48	.84
51316	.012	.20	.30

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SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51317	.026	.55	.80
51318	.046	.79	1.14
51319	.047	.66	1.09
51320	.040	.66	1.07
51321	.040	.66	1.01
51322	.033	.74	1.33
51323	.003/.003	<.05	.10
51324	.004	<.05	.11
51325	.006/.004	<.05	.11
51326	.002	<.05	.08
51327	.001	<.05	.06
51328	.001	<.05	.05
51329	.001	<.05	.08
51330	<.001	<.05	.06
51331	<.001	<.05	.09
51332	<.001	<.05	.03
51333	.002/.002	<.05	.08
51334	.002	<.05	.06
51335	<.001	<.05	.09
51336	<.001	<.05	.08

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SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51337	.010	.26	.36
51338	.030	.63	1.22
51339	.012	.39	.62
51340	.028	.52	.84
51341	.031	.59	.94
51342	.021	.39	.73
51343	.011/.011	.28	.41
51344	.026	.51	1.10
51345	.021	.46	.99
51346	.016	.52	1.00
51347	.012	.36	.75
51348	.011	.44	.53
51349	.010	.40	.46
51350	.009	.23	.31
51351	.021	.46	.87
51352	.018	.48	.90
51353	.010/.007	.36	.42
51354	.024	.66	1.00
51355	.015/.016	.53	.74
51356	.010	.50	.54

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SAMPLE(S) FROM Prime Explorations Ltd.
Prime Capital Place
10th Floor-Box 10
808 West Hastings Street.
Vancouver, B.C. V6C 2X6

REPORT No. S1162

INVOICE #: 15707
P.O.: R-2645

SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON 90 DDH - 4

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51357	.028	1.45	.84
51358	.008/.007	.50	.36
51359	.017	.61	.73
51360	.014	.29	.37
51361	.013	.41	.54
51362	.015	.44	.61
51363	.011/.010	.36	.50
51364	.005	.30	.41
51365	.010	.40	.58
51366	.004	.21	.20
51367	.002	.20	.11
51368	.006/.007	.22	.18
51369	.042	.59	.99
51370	.048	.70	1.18
51371	.046	.62	1.36
51372	.031	.46	.87
51373	.040	.54	1.14
51374	.033	.53	1.01
51375	.025	.57	.90
51376	.012	.33	.44

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SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51377	.025	.44	.61
51378	.029/.031	.52	.80
51379	.027	.48	.63
51380	.040	.61	.87
51381	.023	.45	.59
51382	.026	.41	.61
51383	.025	.56	.89
51384	.033	.58	.86
51385	.019	.27	.26
51386	.005	.18	.12
51387	.019	.31	.41
51388	.043/.046	.53	.85
51389	.177/.180	.91	1.33
51390	.050	.73	1.20
51391	.030	.43	.52
51392	.031	.31	.44
51393	.065/.070	.37	.50
51394	.159/.163	1.60	1.48
51395	.207/.188/.216	1.94	3.22
51396	.116/.117	1.14	2.60

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Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51397	.080/.078	.86	1.41
51398	.182/.165	1.28	2.28
51399	.170/.191	1.24	2.23
51400	.202/.237	1.25	1.90
51401	.013	.25	.22
51402	.006	.27	.35
51403	.006/.006	.27	.40
51404	.008	.59	.43
51405	.008	.48	.15
51406	.003	.50	.27
51407	.045	.63	.66
51408	.044/.045	.82	.93
51409	.009	.41	.27
51410	.014	.56	.39
51411	.008	.31	.18
51412	.028	.53	.86
51413	.028	.54	.93
51414	.010	.27	.35
51415	.012	.31	.37
51416	.020	.39	.76

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Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51417	.039	.45	1.15
51418	.016/.016	.49	1.16
51419	.017	.66	1.46
51420	.020	.53	1.03
51421	.008	.38	.51
51422	.003	.24	.23
51423	.041	.68	1.86
51424	.004	.31	.25
51425	.004	.16	.17
51426	.005	.18	.17
51427	.044	.19	.14
51428	.029/.030	.46	.61
51429	.041	1.36	1.92
51430	.015	.80	1.04
51431	.018	.87	.91
51432	.029	.98	1.85
51433	.020/.020	.85	1.80
51434	.011	.54	.98
51435	.001	.35	.34
51436	.002	.48	.82

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SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51437	.005	.25	.32
51438	.004/.005	.27	.29
51439	.003	.25	.17
51440	.004	.28	.12
51441	.001	.19	.12
51442	.012	.28	.36
51443	.018/.015	.45	.54
51444	.016	.40	.54
51445	.003	.21	.09
51446	<.001	.13	.04
51447	.002	.13	.03
51448	<.001/<.001	.14	.08
51449	.003	.20	.11
51450	.010	.26	.22
51451	.005	.23	.14
51452	.005	.28	.10
51453	.008	1.56	.45
51454	.010	1.00	.59
51455	.012	.33	.46
51456	.001	.17	.11

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REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51457	.013	.24	.59
51458	.011/.008	.29	.56
51459	.007	.21	.19
51460	.005	.21	.22
51461	.002	.18	.11
51462	.009	.21	.26
51463	.002	.17	.06
51464	.004	.10	.03
51465	.006	.22	.17
51466	<.001	.16	.01
51467	.017	.48	.55
51468	.006/.004	.39	.40
51469	.032	.69	1.02
51470	.014	.35	.40
51471	.027	.47	.70
51472	.015	.53	1.18
51473	.004	.18	.21
51474	<.001	.12	.01
51475	.012	.25	.29
51476	<.001	.14	.02

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Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51477	<.001	.17	.01
51478	<.001/<.001	.16	.05
51479	.004	.37	.17
51480	.005	.35	.17
51481	.015	.45	1.07
51482	.003	.23	.31
51483	.004/.002	.22	.33
51484	.003	.21	.22
51485	.008	.57	1.26
51486	.004	.28	.52
51487	.001	.20	.19
51488	<.001/<.001	.17	.04
51489	.004	.45	.82
51490	.008	.59	1.25
51491	.002	.22	.10
51492	.005	.29	.77
51493	.005	.34	.38
51494	.002	.44	.34
51495	<.001	.31	.09
51496	<.001	.22	.04

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SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51497	<.001	.31	.26
51498	.001/.003	.33	.46
51499	.004	.41	.43
51500	<.001	.16	.14
51501	.002	.27	.15
51502	<.001	.23	.15
51303	.004	.26	.45
51304	.003	.23	.28
51305	.004	.23	.24
51306	.003	.33	.48
51307	.006	.30	.49
51308	<.001/<.001	.13	.06
51309	<.001	.27	.26
51310	.002	.22	.23
51311	<.001	.22	.22
51312	<.001	.25	.20
51313	.004/.003	.25	.11
51314	.003	.25	.22
51315	.006	.34	.36
51316	.008	.33	.37

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CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Explorations Ltd.
Prime Capital Place
10th Floor-Box 10
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Vancouver, B.C. V6C 2X6

REPORT No. S1162

INVOICE #: 15707
P.O.: R-2645

SAMPLE(S) OF Drill Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51317	<.001	.22	.18
51318	.013	.36	.57
51319	.026	.29	.41
51320	.009	.20	.14
51321	.001	.18	.11
51322	.003	.27	.23
51323	.059	.34	.45
51324	.087/.085	.35	.67
51325	.010	.30	.57
51326	.002	.23	.19
51327	.002	.21	.13
51328	Not Rec'd	----	----

Note: Laboratory Error in that samples noted
S-1303 to S1328 should be S-1503 to S-1528

George H. Gray

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V6C 2X6

REPORT No. S1254

INVOICE #: 15838
P.O.:

SAMPLE(S) OF Drill Core

Ross Peden
Project: Copper Canyon 90 DDH-4

REMARKS: Wrangell Sample - G.M.L. Mineral

	Au ozt	Ag ozt	Cu %
51528	.002	<.05	.03

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REPORT No. S1242

INVOICE #: 15837
P.O.: R2689

SAMPLE(S) OF Drill Core

Ross Peder
Project: COPPER CANYON 90 DDH-5

REMARKS: Wrangell Samples-G.M.L. Mineral

	Au ozt	Ag ozt	Cu %
51529	<.001	.06	.01
51530	<.001/<.001	.08	.01
51531	<.001	<.05	.01
51532	<.001	<.05	.01
51533	<.001	.06	<.01
51534	<.001	.10	.05
51535	<.001/<.001	.07	.03
51536	<.001	.08	.04
51537	<.001	.11	.04
51538	<.001	.06	.01
51539	<.001	.07	.01
51540	<.001/<.001	.07	.01
51541	<.001	.09	.01
51542	<.001	.09	.02
51543	<.001	.08	.01
51544	<.001	.08	.01
51545	<.001	.08	.02
51546	<.001	.08	.03
51547	<.001	.11	.04
51548	<.001	.10	.03

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REPORT No. S1242

INVOICE #: 15837
P.O.: R2689

SAMPLE(S) OF Drill Core

Ross Peder
Project: COPPER CANYON

REMARKS: Wrangell Samples-G.M.L. Mineral

	Au ozt	Ag ozt	Cu %
51549	<.001	.10	.02
51550	<.001/<.001	.09	.02
51551	<.001	.08	.01
51552	<.001	.10	.10
51553	<.001	.09	.03
51554	<.001	.11	.02
51555	<.001	.08	.01
51556	<.001	.10	.02
51557	<.001	.11	.02
51558	<.001	.10	.03
51559	<.001	.11	.02
51560	<.001/<.001	.11	.01
51561	<.001	.15	.02
51562	<.001	.11	.01
51563	<.001	.10	.01
51564	<.001	.09	.01
51565	<.001/<.001	.07	.01
51566	<.001	.08	.01
51567	<.001	.11	.01
51568	<.001	.09	.01

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INVOICE #: 15837
P.O.: R2689

SAMPLE(S) OF Drill Core

Ross Peder
Project: COPPER CANYON

REMARKS: Wrangell Samples-G.M.L. Mineral

	Au ozt	Ag ozt	Cu %
51569	<.001	.08	.01
51570	<.001/<.001	.08	.02
51571	<.001	.07	.02
51572	<.001	.19	.16
51573	<.001	.14	.21
51574	<.001	.42	.27
51575	.002/.003	.11	.05
51576	<.001	.07	.02
51577	<.001	.07	.04
51578	<.001	.23	.06
51579	.001	.07	.08
51580	<.001/<.001	.09	.11
51581	<.001	.16	.16
51582	<.001	.11	.03
51583	.003	.13	.08
51584	.004	.11	.13
51585	.006	.10	.04
51586	.004	.12	.05
51587	.004	.14	.02
51588	.002	.15	.16

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REPORT No. S1242

INVOICE #: 15837
P.O.: R2689

SAMPLE(S) OF Drill Core

Ross Peder
Project: COPPER CANYON

REMARKS: Wrangell Samples-G.M.L. Mineral

	Au ozt	Ag ozt	Cu %
51589	<.001	.10	.04
51590	.013/.015	.21	.38
51591	.002	.13	.09
51592	<.001	.14	.12
51593	<.001	.09	.04
51594	<.001	.07	.01
51595	<.001	.10	.02
51596	<.001	.05	.03
51597	<.001	<.05	<.01
51598	<.001	<.05	<.01
51599	<.001	<.05	<.01
51600	<.001/<.001	<.05	<.01
51601	<.001	<.05	<.01
51602	<.001	<.05	<.01
51603	<.001	<.05	<.01
51604	<.001	<.05	<.01
51605	<.001/<.001	<.05	<.01
51606	<.001	<.05	<.01
51607	<.001	.08	.10
51608	<.001	.08	.02

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P.O.: R2689

SAMPLE(S) OF Drill Core

Ross Peder
Project: COPPER CANYON

REMARKS: Wrangell Samples-G.M.L. Mineral

	Au ozt	Ag ozt	Cu %
51609	<.001	.08	.01
51610	<.001/.001	.13	.02
51611	<.001	.15	.10
51612	<.001	.14	.15
51613	.025	.73	1.35
51614	.018	.43	1.01
51615	.008/.006	.23	.38
51616	.005	.20	.34
51617	.010	.23	.45
51618	.021	.73	2.15
51619	.011	.69	1.01
51620	.005/.006	.37	.23
51621	.002	.42	.05
51622	.002	.22	.10
51623	<.001	.21	.07
51624	<.001	.19	.43
51625	<.001	.22	.63
51626	.008	.27	.57
51627	.006	.24	.69
51628	.005	.21	.46

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SAMPLE(S) OF Drill Core

Ross Peder
Project: COPPER CANYON

REMARKS: Wrangell Samples-G.M.L. Mineral

	Au ozt	Ag ozt	Cu %
51629	.008	.39	1.27
51630	.013/.009	.28	.59
51631	.006	.17	.54
51632	.034/.036	.08	.02
51633	.009	.11	.02
51634	.005	.06	.01
51635	.005	.06	.01
51636	<.001	.07	.01
51637	<.001	.06	.01
51638	.003	.06	.01
51639	.006	.08	.01
51640	.002/.002	.05	.01
51641	.003	.07	.01
51642	.005	.08	.05
51643	.003	.15	.17
51644	<.001	.13	.15
51645	<.001/<.001	.12	.21
51646	<.001	.13	.14
51647	.001	.17	.22
51648	.006	.43	.71

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SAMPLE(S) OF Drill Core

Ross Peder
Project: COPPER CANYON

REMARKS: Wrangell Samples-G.M.L. Mineral

	Au ozt	Ag ozt	Cu %
51649	.010	1.18	.78
51650	.010/.010	.88	.43
51651	.063	.51	1.29
51652	.055	.46	.63
51653	.012	.17	.26
51654	.030	.17	.37
51655	.089/.096	.32	.61
51656	.139/.145	.34	.65
51657	.358/.381/.365	2.17	2.54
51658	.596/.665/.989	2.63	3.81
51659	.212/.191	1.05	1.01
51660	.112/.112	.69	1.14
51661	.091/.083	.40	.79
51662	.115/.108	.37	.88
51663	.081/.088	.20	.58
51664	.003	.07	.03
51665	<.001	.06	.02
51666	<.001	.07	.02
51667	.004	.07	.02
51668	.004	.10	.04

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INVOICE #: 15837
P.O.: R2689

SAMPLE(S) OF Drill Core

Ross Peder
Project: COPPER CANYON

REMARKS: Wrangell Samples-G.M.L. Mineral

	Au ozt	Ag ozt	Cu %
51669	.003	.07	.04
51670	.002/.003	.15	.13
51671	.012	.44	.76
51672	.018	.44	.62
51673	.011	.44	.67
51674	.007	.57	1.18
51675	.004	.33	.72
51676	.005	.35	.74
51677	.004	.44	1.54
51678	.003	.38	.75
51679	<.001	.44	1.03
51680	<.001/<.001	.25	.31
51681	.007	.58	.12
51682	.002	.21	.15
51683	.013	1.50	.48
51684	.006	.31	.23
51685	<.001/<.001	.22	.08
51686	<.001	.16	.24
51687	<.001	.19	.21
51688	.004	.19	.43

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INVOICE #: 15837
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SAMPLE(S) OF Drill Core

Ross Peder
Project: COPPER CANYON

REMARKS: Wrangell Samples-G.M.L. Mineral

	Au ozt	Ag ozt	Cu %
51689	<.001	.19	.33
51690	<.001/<.001	.10	.05
51691	.002	.13	.03
51692	<.001	.14	.16
51693	<.001	.20	.13
51694	<.001	.33	.40
51695	<.001/.002	.36	.28
51696	<.001	.41	.16
51697	.015	.84	.70
51698	.015	1.50	.98
51699	.003	.31	.15
51700	.008/.010	.72	.50
51701	.004	.28	.17
51702	.005	.30	.16
51703	.005	.40	.41
51704	.010	.34	.26
51705	.003	.16	.13
51706	.002	.10	.05
51707	.009	.78	.37
51708	.004	.59	.59

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REPORT No.
S1242

INVOICE #: 15837
P.O.: R2689

SAMPLE(S) OF Drill Core

Ross Peder
Project: COPPER CANYON

REMARKS: Wrangell Samples-G.M.L. Mineral

	Au ozt	Ag ozt	Cu %
51709	.008	.31	.09
51710	.002/.002	.08	.04
51711	<.001	.05	<.01
51712	<.001	.07	.03
51713	<.001	.10	.02
51714	<.001	.09	.01
51715	<.001	.10	.06
51716	.003	.09	.03
51717	<.001	.10	.04
51718	<.001	.14	.16
51719	.002	.16	.13

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REPORT No. S1248

INVOICE #: 15836
P.O.: R2690

SAMPLE(S) OF Drill Core

Ross Peder
Project: COPPER CANYON 90 DDH - 5

REMARKS: Wrangell Samples-G.M.L. Mineral

	Au ozt	Ag ozt	Cu %
51720	.009	.40	.46
51721	.003	.25	.26
51722	<.001	.15	.06
51723	<.001	.08	.03
51724	.002	.31	.28
51725	.002	.47	.26
51726	.003	.32	.27
51727	.007/.010	.91	.89
51728	.008/.007	.61	.65
51729	.002	.27	.35
51730	.012	.64	1.11
51731	.003	.18	.29
51732	.008	.60	1.00
51733	.007	.44	.74
51734	.005	.36	.60
51735	<.001	.23	.33
51736	.002	.28	.37
51737	.004/.006	.20	.17
51738	.003	.19	.17
51739	.006	.42	.55

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INVOICE #: 15836
P.O.: R2690

SAMPLE(S) OF Drill Core

Ross Peder
Project: COPPER CANYON

REMARKS: Wrangell Samples-G.M.L. Mineral

	Au ozt	Ag ozt	Cu %
51740	.009	.51	.62
51741	.005	.64	.64
51742	.002	.38	.38
51743	.002	.45	.47
51744	.003	.34	.47
51745	<.001	.21	.15
51746	<.001	.21	.12
51747	<.001	.21	.17
51748	<.001	.19	.33
51749	<.001	.33	.34
51750	.002	.27	.46
51751	<.001	.16	.16
51752	<.001	.20	.35
51753	.002	.29	.48
51754	<.001	.31	.45
51755	<.001	.31	.40
51756	.006	.33	.48
51757	.008/.006	.46	.53
51758	.008/.011	.43	.82
51759	.005	.04	.03

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REPORT No. S1248

INVOICE #: 15836
P.O.: R2690

SAMPLE(S) OF: Drill Core

Ross Peder
Project: COPPER CANYON

REMARKS: Wrangell Samples-G.M.L. Mineral

	Au ozt	Ag ozt	Cu %
51760	<.001	<.05	.01
51761	<.001	<.05	<.01
51762	<.001	<.05	<.01
51763	<.001	<.05	<.01
51764	<.001	<.05	<.01
51765	<.001	<.05	.01
51766	<.001	<.05	.01
51767	<.001/<.001	<.05	<.01
51768	<.001/<.001	<.05	.01
51769	<.001	<.05	<.01
51770	<.001	<.05	<.01
51771	.002	<.05	.01
51772	.002	<.05	.01
51773	.003	<.05	<.01
51774	<.001	<.05	<.01
51775	<.001	<.05	.01
51776	<.001	<.05	.01
51777	<.001/<.001	<.05	.01
51778	<.001	<.05	.01
51779	<.001	<.05	.01

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REPORT No.
S1215

INVOICE #: 15815
P.O.: R2675

SAMPLE(S) OF Core

Ross Peden
Project COPPER CANYON 90 DDH - 5

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51780	<.001	<.05	.01
51781	<.001	.31	.28
51782	.004	.14	.27
51783	<.001	.17	.28
51784	<.001/<.001	<.05	.01
51785	<.001	<.05	.01
51786	<.001	<.05	<.01
51787	<.001	<.05	<.01
51788	<.001	<.05	<.01
51789	<.001/<.001	<.05	<.01
51790	<.001	<.05	<.01
51791	<.001	<.05	<.01
51792	<.001	<.05	<.01
51793	<.001	<.05	<.01
51794	<.001/<.001	<.05	<.01
51795	<.001	<.05	.01
51796	<.001	1.19	.23
51797	<.001	.50	.06
51798	<.001	<.05	<.01
51799	<.001	<.05	<.01

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DIV. BURGENER TECHNICAL ENTERPRISES LIMITED

2 - 302 - 48th STREET, EAST
SASKATOON, SASKATCHEWAN
S7K 6A4
(306) 931-1033 FAX: (306) 242-4717

CERTIFICATE OF ANALYSIS

SAMPLE(S) FROM Prime Explorations Ltd.
Prime Capital Place
10th Floor-Box 10
808 West Hastings Street.
Vancouver, B.C. V6C 2X6

REPORT No. S1215

INVOICE #: 15815
P.O.: R2675

SAMPLE(S) OF Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51800	<.001	<.05	<.01
51801	<.001	<.05	.01
51802	<.001	<.05	<.01
51803	<.001	<.05	.05
51804	.090/.086	5.89	5.15
51805	.012	.42	.48
51806	.002	<.05	.06
51807	<.001	<.05	.01
51808	<.001	<.05	.04
51809	<.001	<.05	.06
51810	<.001/<.001	<.05	<.01
51811	Not Rec'd	-----	-----
51812	<.001	<.05	.05
51813	.022	1.36	1.58
51814	.006/.006	.29	.17
51815	.006	.77	.63
51816	.008	.75	.59
51817	<.001	.61	.61
51818	.004	.52	.46
51819	.003/.003	.15	.18

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INVOICE #: 15815
P.O.: R2675

SAMPLE(S) OF Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51820	.011	.26	.19
51821	.002	.19	.18
51822	.002	.37	.41
51823	.007	.66	1.06
51824	.003	.19	.26
51825	.004	.07	.18
51826	.002	.11	.17
51827	.011	.48	.47
51828	.010	.35	.31

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808 West Hastings Street.
Vancouver, B.C. V6C 2X6

REPORT No.
S1221

INVOICE #: 15814
P.O.: R2659

SAMPLE(S) OF Core

Ross Peden
Project COPPER CANYON 90 DDH - 6

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51829	<.001/<.001	.10	.06
51830	.006	.06	.07
51831	.003	.10	.24
51832	<.001	.08	.06
51833	<.001	.07	.05
51834	.001/<.001	.05	.05
51835	<.001	.08	.07
51836	.005	.13	.69
51837	<.001	.07	.10
51838	.003	.08	.09
51839	<.001/<.001	.08	.09
51840	.003	.11	.13
51841	<.001	.10	.12
51842	<.001	.11	.12
51843	.002	.13	.12
51844	.001	.11	.12
51845	<.001	.10	.08
51846	<.001	.09	.08
51847	<.001	.11	.10
51848	.010	.12	.28

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REPORT No. S1221

INVOICE #: 15814
P.O.: R2659

SAMPLE(S) OF Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51849	<.001/.002	.12	.19
51850	.001	.09	.09
51851	<.001	.09	.09
51852	<.001	.07	.06
51853	.004	.11	.13
51854	<.001	.10	.11
51855	<.001	.07	.03
51856	<.001	.09	.13
51857	.021/.023	.48	.97
51858	<.001	.09	.12
51859	.003/.006	.10	.14
51860	.005	.08	.14
51861	.003	.08	.11
51862	.004	.11	.17
51863	.001	.11	.13
51864	<.001/<.001	.06	.05
51865	<.001	.06	.04
51866	.003	.15	.33
51867	<.001	.09	.05
51868	<.001	.06	.03

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SAMPLE(S) OF Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51869	.003/.007	.12	.14
51870	.021	.08	.08
51871	.002	.12	.24
51872	<.001	.09	.09
51873	.008	.11	.17
51874	.006	.09	.07
51875	.042	.11	.20
51876	.004	.08	.15
51877	.003	.08	.11
51878	.012	.12	1.06
51879	.018/.019	.13	.81
51880	.016	.12	.64
51881	.006	.09	.16
51882	.008	.09	.18
51883	.013	.10	.34
51884	.006	.07	.16
51885	.023	.15	.74
51886	.037	.49	1.38
51887	.021	.20	.82
51888	.021	.12	.55

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P.O.: R2659

SAMPLE(S) OF Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
51889	.017/.014	.12	.52
51890	.010	.11	.26
51891	.004	.08	.10
51892	.020	.11	.12
51893	.022	.11	.19
51894	.014	.12	.31
51895	.031	.28	.76
51896	.040	.37	.94
51897	.005	.10	.21
51898	.010	.10	.20
51899	.008/.012	.11	.30
51900	.015	.11	.40
52901	.016	.12	.32
52902	.003	.08	.11
52903	.056/.048	1.20	2.20
52904	.026/.028	.48	.95
52905	.016	.12	.30
52906	.017	.14	.34
52907	.020	.23	.58
52908	.043	.54	1.21

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INVOICE #: 15814
P.O.: R2659

SAMPLE(S) OF Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
52909	.019/.021	.26	.45
52910	.006	.13	.23
52911	.003	.05	.05
52912	.003	<.05	.02
52913	.014	.14	.46
52914	.006/.005	.09	.14
52915	.013	.11	.21
52916	.008	.12	.43
52917	.004	.10	.22
52918	.008	.08	.11
52919	.014/.013	.10	.16
52920	.009	.10	.13
52921	.019	.12	.24
52922	.056	.18	.36
52923	.016	.12	.20
52924	.021	.16	.46
52925	.006	.12	.35
52926	.015	.24	.86
52927	.021	.31	1.23
52928	.025	.22	1.13

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Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
52929	.017/.015	.14	.71
52930	.014	.10	.38
52931	.010	.08	.18
52932	.028	.09	.30
52933	.005	.05	.14
52934	.004	.05	.11
52935	.027	.14	.79
52936	.036	.15	.90
52937	.011	.10	.32
52938	.042	.13	.71
52939	.054/.057	.27	1.15
52940	.027	.11	.34
52941	.016	.10	.31
52942	.008	.09	.26
52943	.011	.09	.30
52944	.004/.004	.08	.17
52945	.009	.08	.17
52946	.007	.09	.17
52947	.008	.10	.24
52948	.020	.12	.48

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P.O.: R2659

SAMPLE(S) OF Core

Ross Peden
Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
52949	.021/.019	.12	.51
52950	.018	.12	.58
52951	.007	.11	.34
52952	.012	.12	.51
52953	.025	.17	.96
52954	.021/.020	.13	.63
52955	.008	.12	.44
52956	.010	.11	.35
52957	.018	.13	.61
52958	.005	.10	.29
52959	.012/.009	.13	.50
52960	.025	.14	.66
52961	.011	.12	.38
52962	.010	.11	.32
52963	.012	.12	.54
52964	.009	.12	.40
52965	.012	.11	.34
52966	.001	.08	.17
52967	.002	.09	.14
52968	.007	.09	.20

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REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
52969	.009/.009	.11	.29
52970	.008	.12	.44
52971	.009	.13	.39
52972	.012	.12	.41
52973	.009	.10	.19
52974	.007	.12	.44
52975	.009	.11	.31
52976	.022	.12	.40
52977	.018	.12	.46
52978	.034	.12	.34
52979	.012/.012	.09	.19
52980	.015	.12	.26
52981	.025	.13	.48
52982	.008	.13	.38
52983	.022	.13	.54
52984	.016/.015	.13	.46
52985	.042	.25	.59
52986	.011	.12	.25
52987	.013	.12	.36
52988	.017	.16	.53

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SAMPLE(S) OF Core

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Project COPPER CANYON

REMARKS: Wrangell Samples-G. M. L. Minerals

	Au ozt	Ag ozt	Cu %
52989	.012	.13	.41
52990	.025	.15	.82
52991	.015	.19	.54
52992	.004	.13	.17

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SYMBOLS

- Outcrop
- Angular float
- Geologic contact (defined, approximate)
- Thrust fault (defined, projected)
- Fault (defined, projected and inferred)
- Attitude of aligned K-spar phenocrysts in dykes
- Sheet fracturing and intense jointing
- Jointing
- Dense sheet fracturing (rocks typically highly broken and granulated)
- Sheet fracture shears
- Boundary of copper zones (characterized by disseminated cpy, lesser fracture controlled cpy and malachite ± azurite ± chrysocolla on fracture surfaces)
- Boundary of various alteration types and/or pyrite as identified
- Ankerite-limonite altered, sheared and fractured zone along thrust fault
- Rusty altered/sulphized zone in fine grained biotite monzonite of North Stock
- Veins (MV-magnetite, QV-quartz, Cpy-chalcopyrite, Py-pyrite Bt-biotite
- Chrysocolla-malachite-azurite pad
- Valley glacier ice boundary
- Lateral moraine boundary
- Lateral moraine bench
- Talus, lateral moraine deposits and gravel
- Claim lines and observed claim post
- Reference grid
- Section notation
- Diamond drill hole (1990, Rhodes)
- Diamond drill hole (1957, American Metal Co. Ltd.)
- Gold intercept, Cutoff ≥0.1 ounces gold/ton minimum 5.0m
- Copper-Gold intercept, Cutoff ≥0.5% copper equivalent minimum 5.0m
- Diamond drill hole and significant mineralized intercepts as illustated on sections
- Proposed diamond drill hole
- 4500 — Topographic contour (intervals of 25 or 100 feet)

ABBREVIATIONS

Py	Pyrite	Mn	Manganese	Str	Stringer
Cpy	Chalcopyrite	Hem	Hematite	Qtz_2Q	Quartz
Mal	Malachite	Fl	Fluorite	Cal	Calcite
Azur	Azurite	Lim	Limonite	Gar	Garnet
Chryso	Chrysocolla	Prop	Propylitic		
Mag	Magnetite	Arg	Argillite	Wk	Weak
Ank	Ankerite	Chl	Chlorite	Mod	Moderate
K	Feldspar	Carb	Carbonate	Int	Intense
Bt	Biotite	Sil	Silicification		

ASTRONOMIC NORTH
26°17'
MAGNETIC NORTH

CC No.14
CC No.13
CC No.6
CC No.5
CC No.4
CC No.3
CC No.2
CC No.1
Triangulation Station "CC"

WESTERN COPPER ZONE
NORTH COPPER ZONE
EASTERN COPPER ZONE
COPPER CANYON
COPPER CANYON GLACIER
Copper Canyon Creek

0 200 400 600 800
FEET
0 50 100 150 200
METRES

LEGEND

INTRUSIVE ROCKS

TERTIARY

POST MINERAL DYKES

- 22 Biotite lamprophyre
- 21 Felsite
- 20 Latite – hornblende albite porphyry–andesite
- 19 Banded sugary latite
- 18 Porphyritic andesite

EARLY TO MIDDLE JURASSIC

INTRA-MINERAL DYKES (COPPER CANYON INTRUSIONS)

- 17a K-spar syenite mega-porphyry
- 17b K-spar syenite megaporphyry intrusive breccia
- 17c Glomeroporphyritic syenite–monzonite porphyry
- 17d Medium grained monzonite

PRE-MINERAL BODIES (COPPER CANYON INTRUSIONS)

NORTH STOCK (MAIN BODY)

- 16a Grey fine grained biotite monzonite
- 16b Grey fine grained biotite monzonite intrusive breccia
- 16c Medium grained hornblende syeno–monzonite

SOUTHWEST BODIES

- 15a Intensely altered syenite
- 15b Porphyritic syenite intrusive breccia
- 15c Porphyritic vuggy medium grained monzonite
- 15d Medium grained biotite monzonite

NORTH STOCK (SOUTH EAST APOPHYSES)

- 14a Fine to medium grained biotite monzonite
- 14b Fine grained biotite monzonite intrusive breccia
- 14c Pink fine grained biotite syenite
- 14d Medium–coarse grained hornblende monzonite
- 14e Medium grained syenodiorite

VOLCANIC AND SEDIMENTARY ROCKS

UPPER TRIASSIC (STUHINI GROUP)

- Us Undifferentiated alkaline volcanic rocks (Usv) and banded micritic limestone (Usl)

TRACHYTE FRAGMENTAL UNIT

- 13 K-spar phyric leucitic trachyte flow breccia, polymictic tuff–breccias and lapilli tuffs
- 12 Trachyte a) agglomerate b) lapilli tuffs and tuff-breccia c) ash tuffs d) porphyritic flow banded flows e) andesitic tuff–breccia
- 11 Andesitic latite breccia

TRACHYTE FLOW UNIT

- 10 a) Porphyritic flow banded trachyte flows, trachyte crystal ash tuffs and minor trachyte agglomerate and breccia b) Massive and porphyritic andesite and trachyandesite tuffs, flows and minor breccia and agglomerate

TRACHYANDESITE UNIT

- 9 a) Trachyandesite tuffs, tuff–breccia, porphyritic flows and minor agglomerate, minor latite tuffs and flows b) Massive and porphyritic andesite tuffs and flows c) K–spar phyric trachyte flows and tuff–breccias d) Porphyritic trachyte flows, crystal ash tuffs and breccias
- 8 Lath trachyte flow breccia

TRACHYTE TUFF – BRECCIA UNIT

- 7 a) Trachyte tuffs b) Trachyte tuff–breccias c) Trachyandesite tuffs and tuff–breccias d) K–spar phyric lath trachyte tuffs e) Trachyte flows f) Andesitic tuffs

PERMIAN TO UPPER TRIASSIC (THRUST PLATE)

STUHINI GROUP (?)

- Usv Undifferentiated volcanic rocks
- 6 Massive basalt flows
- 5 Trachyte and trachyandesite lapilli–ash tuffs and breccias, minor black shale and chert
- 4 Massive trachyandesite flows
- 3 Latite crystal tuffs

PRE–STUHINI GROUP

- 2 Black shale and thin bedded cherty mudstone and chert
- 1 Banded micritic limestone and calcarenite

CONSOLIDATED RHODES RESOURCES LTD.

COPPER CANYON PROPERTY

PROPERTY GEOLOGY

GML MINERALS CONSULTING LTD.

Drafted By: Enersource	Scale: 1 in. = 200 ft.
Date: October 1990	FIGURE 5
Revised:	