GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT

on the

BEN PROPERTY
BEN, BEN 1 TO 3 CLAIMS

Omineca Mining Division, British Columbia
NTS Map Sheet 93F/7E

Coordinates:
Latitude : 53°19'00"N
Longitude: 124°33'30"W

BHP MINERALS CANADA LTD.
#1600 - 1050 West Pender Street
Vancouver, B.C.
V6E 3S7

Gary L. Wesa, B.Sc., F.G.A.C.
Martin St. Pierre, Geophysicist

December, 1992

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

LIST OF MAPS (in back pocket)

1.0 SUMMARY

The BEN property comprises four claims totalling 50 units located approximately 90 air-kilometres southwest of Vanderhoof, B.C. Access to the property from Vanderhoof is provided by the Kluskus-Ootsa forest service road plus several local logging roads.

The property is located in the Nechacko River map area in central British Columbia, which is physiographically part of the Interior Plateau. The property covers an area of low relief with minimal bedrock exposures. The claims are underlain by marine Lower to Middle Jurassic Hazelton Group volcanic and sedimentary rocks, which have been intruded by Early Tertiary Quanchus biotite-hornblende granodiorite/granite, a regionally extensive intrusion which occupies the northern third of the claims area in an east-west direction. Other intrusions mapped on the property comprise small stocks and/or plugs of sulphide-bearing altered monzonite plus minor diorite, aplite and porphyritic dykes.

A review of all available information indicates that the area has experienced little prospecting. Lack of good outcrop exposures and extensive areas of barren Tertiary rocks have discouraged exploration. Consequently, no large economic mineral occurrences are reported within this area.

The 1991 exploration program consisted of truck-supported reconnaissance prospecting, geological mapping, rock chip and grid-controlled soil sampling with the objective of evaluating the property's potential for hosting economic precious and base metal deposits. Reconnaissance prospecting and geochemical sampling indicated that sulphide mineralization is restricted to Hazelton Group rocks and altered monzonite bodies. Geochemical analysis of rock chip and soil samples yielded elevated to anomalous values for Au, Ag, Pb and Zn. Weakly anomalous values were also recorded for copper and antimony. A three-metre chip sample across silicified volcanics returned anomalous values for gold (0.68 g/t) and silver (95.0 g/t). A 10-centimetre wide quartz vein, intruding biotite monzonite, carried 30% arsenopyrite and pyrite and returned 3.7 g/t Au and 5.2 g/t Ag.

The 1992 exploration program consisted of truck-supported detailed geological mapping, prospecting, grid-controlled soil sampling and I.P. and Mag-VLF surveys with the objective of evaluating the property's economic potential through follow-up exploration on geochemically anomalous areas delineated by the 1991 program. A total of 47 rock samples and 359 grid soil samples were collected from an expanded grid established over the property. The highest gold-in-soil value was 905 ppb Au recorded in an area of sulphide-quartz float boulders near the southern common BEN/BEN 1 claim

boundary. One float boulder composed of semi-massive and finely acicular arsenopyrite recorded a strongly anomalous gold value of 0.362 oz/t Au with >10,000 ppm As and >200 ppm Ag.

A second anomalous gold-in-rock value of 4.9 g/t was returned from a massive arsenopyrite-pyrite lense hosted by a massive bull quartz vein in the north-central part of the BEN claim. Areas of moderate to high gold-in-soil and -rock values have been targeted near the common BEN/BEN 1 boundary where sulphide mineralization is associated with silicified, quartz veined Hazelton Group tuffs and altered, quartz veined biotite monzonites.

Current logging operations are expected to expose additional bedrock mineralized in precious and base metals; therefore, a limited follow-up program is recommended.

2.0 INTRODUCTION

BHP Minerals Canada Ltd. conducted a field exploration program on the BEN property located in the Nechacko River area of central British Columbia. Exploration work was performed by a 3-4 man crew based out of Westar Timber's Kluskus camp, situated at Km 101 on the Kluskus-Ootsa forest service road.

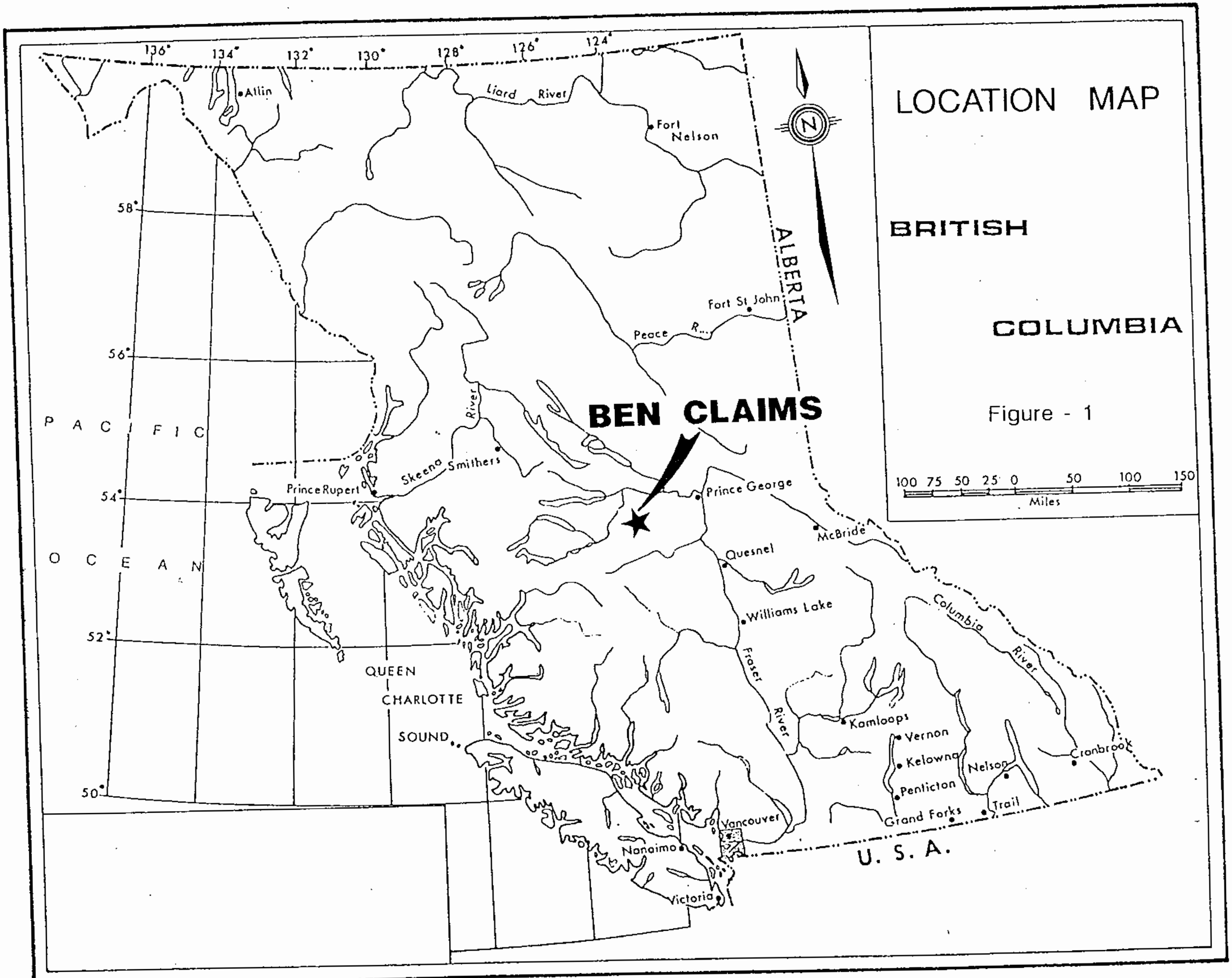
The objective of this program was to evaluate the property's economic potential through follow-up exploration on geochemical anomalies delineated by the 1991 program and to provide reconnaissance coverage throughout the property, as recommended in the 1991 report (Pollock and Nikolajevich). The 1992 program was conducted during the period of June 4th to 23rd, 1992 and included grid-controlled detailed geological mapping, prospecting, soil sampling, I.P. and Mag-VLF geophysical surveys.

A total of 47 rock grab, float and chip samples and 359 soil samples were collected from the property. Soil samples were collected from 46.6 kilometres of flagged and picketed grid lines established peripheral to the 1991 grid. Geological and geochemical data were compiled on 1:10,000 scale contour maps.

All geochemical samples were shipped to Chemex Labs in North Vancouver for geochemical analysis, utilizing the 32-element ICP method and gold analysis by Fire Assay with AA finish. Analytical procedures are described in Appendix III and analytical results are presented in Appendices IV and V.

2.1 Location and Access

The BEN property is located in central British Columbia, approximately 90 air-kilometres southwest of Vanderhoof


LOCATION MAP
BRITISH
COLUMBIA
Figure - 1
100 75 50 25 0 50 100 150
Miles
BEN CLAIMS
ALBERTA
U. S. A.
PACIFIC OCEAN
QUEEN CHARLOTTE SOUND
136° 134° 132° 130° 128° 126° 124°
58° 56° 54° 52° 50°
Atlin
Liard River
Fort Nelson
Fort St John
Peace R.
Skeena River
Smithers
Prince Rupert
Prince George
McBride
Quesnel
Williams Lake
Fraser River
Columbia River
Kamloops
Vernon
Kelowna
Penticton
Nelson
Cranbrook
Trail
Grand Forks
Vancouver
Nanaimo
Victoria

(Figure 1). The claims are situated within NTS map sheet 93 F/7E and centred about 53°19'00"N latitude and 125°33'30W longitude. Access to the property is via the Kluskus-Ootsa forest service road southwest from Vanderhoof, thence via the "Yellow" logging road from Westar Timber's camp for another six kilometres south to the property. The property may be also quickly accessed by helicopter chartered from Northern Mountain Helicopters out of Vanderhoof.

2.2 Physiography, Vegetation and Climate

The BEN property is located within the Interior Plateau physiographic division which is characterized by gently rolling forested hills and broad open valleys. The property lies within the Nechako Range which has relief up to 750 metres. Few bedrock exposures exist within the claim's area owing to the dense cover of forest, local swamps and Pleistocene glacial and glacio-fluvial deposits.

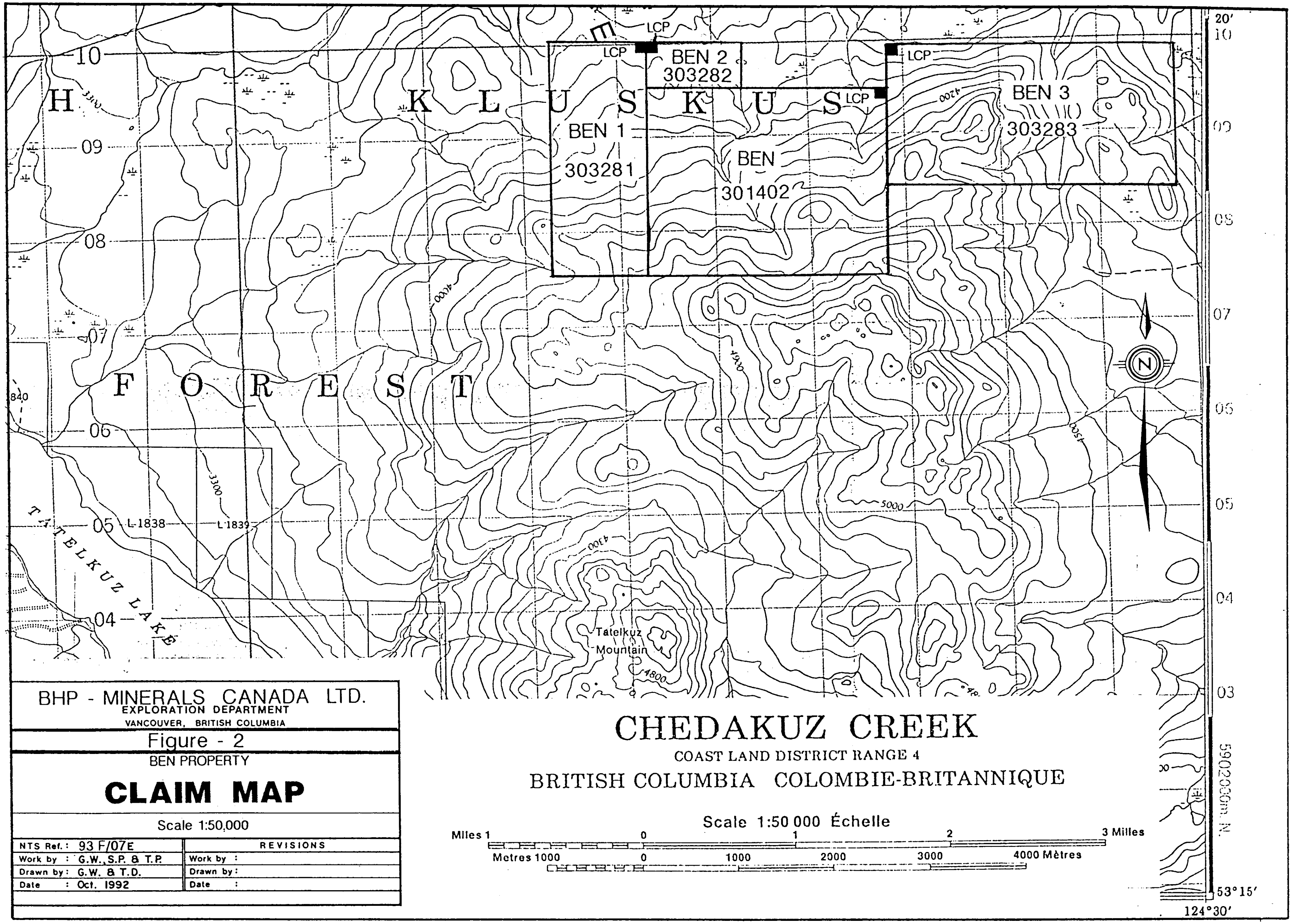
Forests of mixed black and white spruce and Lodgepole pine generally cover most of the region except where recent clear-cut logging and road building has exposed previously covered bedrock. Precipitation is light, averaging 40 to 50 centimetres per annum with temperatures ranging between -35°C and 30°C. The climate is a continental type with warm summers and long cold winters characterized by generally light snowfall.

2.3 Property Status and Ownership

The BEN property (Figure 2) consists of four claims totalling 50 units located within the Omineca Mining Division. The claims were staked by BHP Minerals Canada Ltd. personnel and are 100% owned by the Company. Relevant claims data are tabulated in Table 1.

TABLE 1: BEN Property Claim Status

CLAIM NAME	NO. OF UNITS	RECORD NUMBER	RECORDING DATE	TAG NO.	EXPIRY DATE
BEN	20	301402	18 JUN 91	102447	18 JUN 95
BEN 1	10	303281	11 AUG 91	94639	11 AUG 95
BEN 2	2	303282	11 AUG 91	94638	11 AUG 97
BEN 3	18	303283	13 AUG 91	94637	13 AUG 94



BHP - MINERALS CANADA LTD.
EXPLORATION DEPARTMENT
VANCOUVER, BRITISH COLUMBIA

Figure - 2

BEN PROPERTY

CLAIM MAP

Scale 1:50,000

		REVISIONS
NTS Ref. :	93 F/07E	
Work by :	G.W., S.P. & T.P.	Work by :
Drawn by:	G.W. & T.D.	Drawn by :
Date :	Oct. 1992	Date :

3.0 EXPLORATION HISTORY

3.1 Regional History

The area was visited by G.M. Dawson of the G.S.C. in 1876, W.F. Robertson, the Provincial Mineralogist, in 1905 and J.D. Galloway of the B.C. Department of Mines in 1916. Brief reports of these trips were published, however, there exists only one geological report by H.W. Tipper of the G.S.C. who conducted mapping surveys during the field seasons of 1949 to 1952. Lack of outcrop and inaccessibility precluded extensive prospecting. Prospectors have been attracted to areas with less overburden and forest cover; therefore, relatively little prospecting has previously been attempted in the area.

3.2 Property History

Prior to 1991, no previous work had been claimed for assessment credit on ground presently protected by the BEN claims. Mineralized outcrops were exposed in 1990-91 as a result of road construction and subsequent logging operations conducted by Westar Timber. BHP Minerals personnel discovered these mineral occurrences in June, 1991 during the course of reconnaissance exploration for volcanogenic massive sulphide deposits. Ground acquisition commenced in June, 1991 and was completed on August 13th, 1991.

3.3 1991 Exploration Program

The 1991 exploration program, conducted by BHP Minerals personnel, consisted of two separate programs and was completed between August 9th and September 15th, 1991. The first phase comprised the establishment of 7,400 metres of flagged grid, soil, rock and silt sampling and geological mapping. The second phase of the program consisted of the establishment of an additional 5,800 metres of flagged grid, soil and rock sampling and geological mapping. Approximately 90% of the work was concentrated in areas of gossanous bedrock and sulphide mineralization on the BEN claim. The remaining portion of work was distributed within the BEN 1, 2 and 3 claims.

The 1991 program outlined two areas of mineralization illustrated by silver and arsenic-in-soil geochemical results (Figure 3). Geological mapping indicated that weak sulphide mineralization occurs pervasively throughout the property, however, potentially economic precious metal mineralization appears restricted to altered monzonite and Hazelton Group altered and silicified volcanic rocks. A grab sample from a

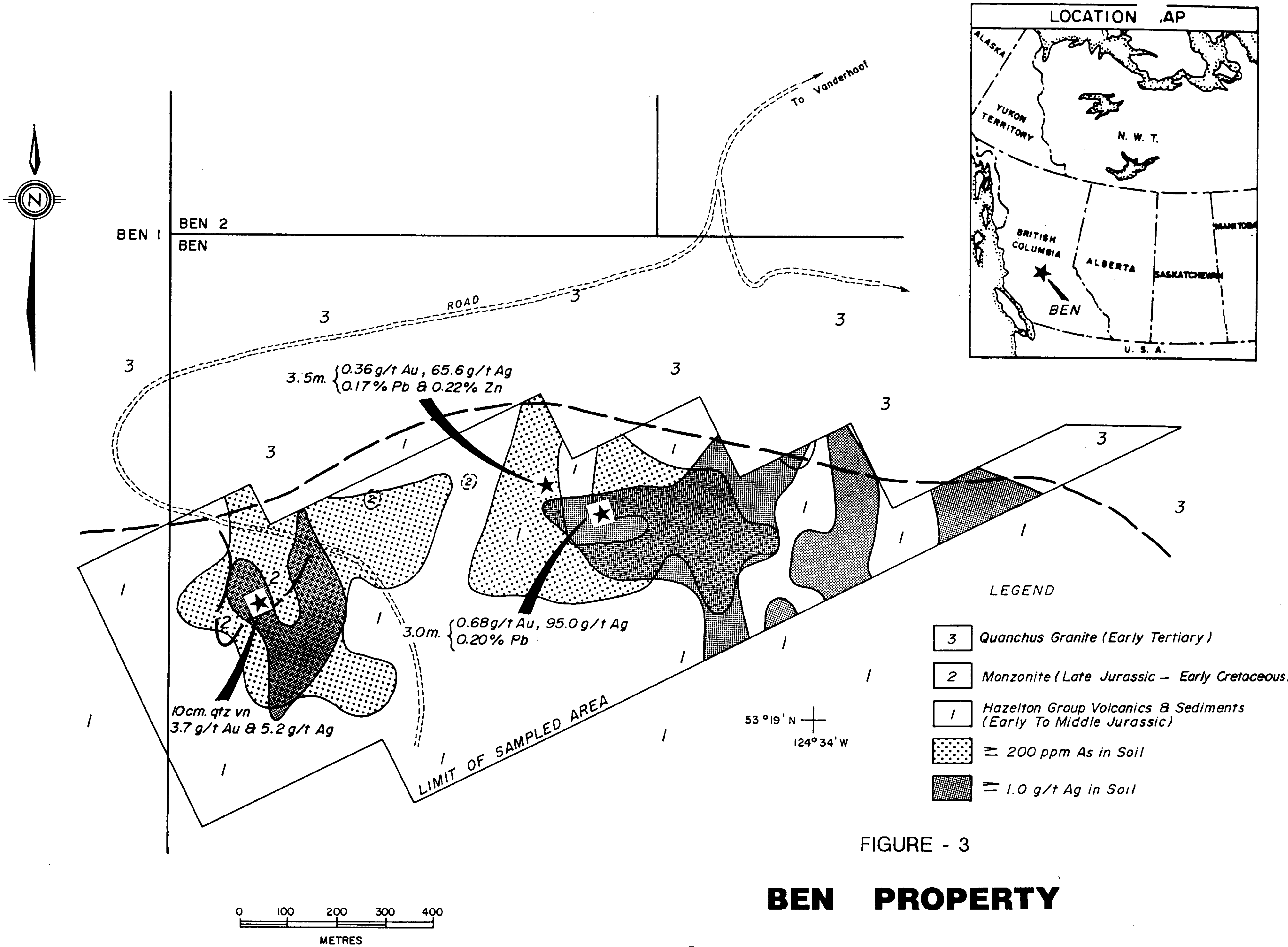


FIGURE - 3

BEN PROPERTY

GEOLOGY & GEOCHEMISTRY (1991)

N.T.S. 93 F / 7 E

10 centimetre wide quartz vein hosting 30% arsenopyrite and pyrite in biotite monzonite recorded 3.7 g/t Au and 5.2 g/t Ag. A 3.0 metre chip sample taken from arsenopyrite-bearing hornfelsed tuffs returned Ag, Au and Pb values of 95 g/t, 0.7 g/t and 0.20%, respectively.

4.0 GEOLOGY

4.1 Regional Geology

The property lies within the Nechako Range subdivision of the Interior Plateau region of B.C., which has been mapped by H.W. Tipper during the field seasons of 1949 to 1952. Results of this work are recorded on map 1131A which accompanies G.S.C. Memoir 324. Updated information has been published on the legend accompanying Map 1712A; Tectonic Assemblage Map of the Canadian Cordillera, 1991 (Wheeler and McFeely).

The oldest rocks exposed in the region are mafic volcanic flows, breccias and tuffs with interbedded black argillite, greywacke and limestone belonging to the Upper Triassic and Lower Jurassic Takla Group. Marine Middle to Lower Jurassic Hazelton Group rocks, comprising a sedimentary upper section and a mixed sedimentary and volcanic lower section, unconformably overlie the Takla Group. The interbedded sediments consist of greywacke, shale or argillite and chert pebble conglomerate, while the volcanic assemblage comprises andesitic flows and tuffs. The non-marine, Upper Cretaceous to Oligocene, Ootsa Lake Group lies with angular discordance on Jurassic rocks and is divisible into two units: a lower intermediate to mafic volcanic succession and an upper succession of felsic (rhyolitic) volcanics. The Ootsa Lake Group is unconformably overlain by the non-marine Late Tertiary Endako Group, an undeformed succession of basaltic to andesitic plateau lavas, breccias and tuffs (Table 2).

Granitic, granodioritic and dioritic rocks of the Topley Intrusions were emplaced during Early Jurassic time, and rocks belonging to the Hazelton and Takla Groups were later intruded by Late Jurassic or Early Cretaceous granodioritic and granitic rocks.

4.2 Property Geology

The BEN property was geologically mapped, lithogeochemically sampled, grid soil sampled and geophysically surveyed (I.P. and Mag-VLF) by BHP Minerals Canada Ltd. personnel, and these data were plotted on 1:10,000 scale contour maps redrafted from a 1:10,000 scale Westar Timber forestry map (Maps 1-11).

TABLE 2 Table of Formations, Nechako River Map Area

ERA	PERIOD OR EPOCH	FORMATION	LITHOLOGY
Cenozoic	Recent		Stream and lake deposits, talus, soil
	Pleistocene		Glacial and glacio-fluvial deposits
	Erosion interval		
	Miocene and (?) later	Endako Group	Basalt, andesite; related tuff and breccia; minor shale and greywacke
Angular unconformity			
Mesozoic and Cenozoic	Upper Cretaceous to Lower Miocene	Ootsa Lake Group	Rhyolitic and dacitic tuff and breccia; shale, sandstone, conglomerate
			Rhyolite, dacite, trachyte, andesite; minor basalt; related tuff and breccia
			Basalt, andesite; minor rhyolite, sandstone, and conglomerate
Erosion interval			
Mesozoic	Post-Middle Jurassic-pre-Upper Cretaceous		Biotite granite, granodiorite, quartz diorite, diorite; minor gabbro
	Not in contact		
	Upper Jurassic (Callovian)		Argillite, argillaceous limestone
	Relations not known; intrusive contact with younger granitic rocks		
	Middle Jurassic (Bajocian)	Hazelton Group	Greywacke, argillite, conglomerate tuff, breccia, andesite, and arkose; minor rhyolite
			Andesite, related tuffs and breccias, chert-pebble conglomerate, shale, and sandstone
	Unconformity; erosional interval		
	Lower Jurassic mainly or entirely	Topley Intrusions	Granite, granodiorite, diorite, and quartz diorite
	Intrusive contact with lower part of Takla Group		
			Red and brown shale, conglomerate and greywacke
			Andesitic and basaltic flows, tuffs, and breccias; interbedded argillite and minor limestone
	Not in contact; intrusive contact with Topley Intrusions		
	Post-Upper Permian-pre-Lower Jurassic		Serpentinized peridotite, talc schists, anthophyllite schists
Not in contact; intrusive contact between Topley Intrusions and Cache Creek Group			
Paleozoic	Pennsylvanian (?) and Permian	Cache Creek Group	Limestone

from Tipper (1963)

Approximately 85% of the property is forest-covered with the remaining 15% being bared through clear-cut logging. Outcrop accounts for approximately 3-5% of the claims area and occurs primarily in isolated small exposures on hillsides, ridges, along road cuts and in clear-cuts.

4.2.1 <u>Lithologies</u> - Geological mapping on the BEN property by BHP Minerals personnel has identified the primary lithologies underlying the claims as a package of Hazelton Group meta-volcanic and sedimentary rocks composed of interbedded felsic to intermediate, lithic, ash to lapilli and crystal tuffs, intermediate flows, argillites, shale, quartzite, siltstone, greywacke and chert pebble conglomerate (Map 1).

The bedrock geology on the BEN claim consists predominantly of northwest to northerly-striking, moderate to very steeply southwest-dipping dacitic to andesitic tuffs, andesitic flows and related siliceous to argillaceous sediments.

An outcrop of north to northwest-striking, steep to vertically dipping, thinly bedded quartzite, siliceous argillite, siltstone and intermediate tuff is exposed in a clear-cut near the west-central BEN claim boundary. This package of sediments is cut by a grey biotite-feldspar porphyry dyke striking roughly 152° and, on a larger scale to the east, this sequence of predominantly hornfelsed sedimentary rocks is intruded by gossanous, weakly altered and sulphide mineralized biotite monzonite intrusions. The latter manifests as small stocks or plugs which appear to control the mineralization and alteration of the surrounding sedimentary and volcanic rocks.

Small pendants of siliceous (hornfelsed) and rusty weathered tuffs occur within the monzonite, and to the east several small, isolated outcrops of interbedded, siliceous, felsic (rhyolitic) to intermediate (dacitic) tuff and argillite are exposed along a road cut. These weakly sulphide mineralized rocks are locally intruded by sulphide mineralized dark green diorite dykes and lie peripheral to several small outcrops of rusty-orange weathering biotite monzonite.

Medium to coarse crystalline biotite monzonite intrudes northwesterly-striking, silicified or hornfelsed, laminated to massive dacitic tuffs near the north-central part of the BEN claim. In this area, sulphide-mineralized, silicified and quartz-flooded dacitic tuffs are exposed along a narrow 180-200 metre long zone, striking 140°-147°. Small exposures of moderately to strongly altered biotite monzonite are observed, at two locations, in contact with silicified, quartz veined and sulphide mineralized, maroon to dark grey dacitic tuffs. Aligned exposures of monzonite, possibly representing a sill-like body, influences alteration and mineralization in this area.

Thinly to thickly bedded, near vertical dipping, rounded chert pebble conglomerate is exposed in small outcrops and beneath uprooted trees east of the large monzonite intrusion in the west-central portion of the BEN claim. Nearby in a cliffed gully, the writer observed a large exposure of coarse conglomerate composed of elongate, bedding parallel, heterolithic clasts cemented with fine siltstone and silica. The clasts consist of orthoquartzite, argillite and greywacke and appear to be re-worked and sorted into distinct beds of similar-sized fragments. At these two locations, the conglomerates are interbedded with dacitic to andesitic tuffs, fine clastic sediments and quartzites.

The northern 25% of the BEN claim and the entire BEN 2 claim are underlain by the Early Tertiary Quanchus granodiorite-granite pluton. This intrusion is chiefly coarse crystalline, white to pale grey in colour and contains up to 15% medium to coarse, dark brown to black biotite and 5% small hornblende laths. The pluton is elongate in an east-west orientation and truncates the Hazelton Group rocks to the north. Exposures of the contact are not well documented in the BEN claim due to overburden cover and vegetation. Field evidence indicates that the Quanchus pluton is the youngest major lithotype exposed within the claims area. The granodiorite is relatively fresh, unaltered and locally contains small bodies of unaltered diorite and narrow aplite dykes. Temporally related, narrow diorite dykes intrude both Quanchus granodiorite and altered biotite monzonite, notably near the junction of BL 4600E with the secondary access road through the clear-cut in the BEN claim. The Quanchus granodiorite and its associated aplitic and dioritic phases are barren of mineralization, however, one narrow diorite dyke intruding altered monzonite hosts minor disseminated pyrite, molybdenite and possibly pyrrhotite.

The northern 45% of the BEN 1 claim is underlain by the westward extension of the Quanchus granodiorite-granite pluton. The contact is exposed near the west end of L46+00N (Map 1). South of this contact, the bedrock is composed of an assemblage of andesitic lapilli, crystal and crystal-lithic tuffs, rare andesite porphyry flows, maroon dacitic crystal and lapilli tuffs, and minor interbedded siltstone, argillite and shale. Volcaniclastic rocks are laminated to thinly bedded and occasionally massive. Interbedded siltstone horizons near the granitic contact are thinly banded, siliceous to sucrosic textured and may contain thin shale partings locally altered to biotite-rich bands. Volcanic rocks at the contact are intensely hornfelsed for a few metres away from the contact and appear to be injected with quartz-feldspathic fluids producing a quartz-feldspar-biotite-altered tuff. Although volcaniclastic and sedimentary rocks in proximity to the contact are intensely hornfelsed and locally appear migmatized with separation of quartz-feldspar and biotite-rich layers, these units and the intruding igneous body are unmineralized. Altered volcaniclastics near the contact, however, host minor quartz veins, stringers and quartz-filled fractures.

The BEN 3 claim is similarly underlain by the Quanchus pluton which occupies the northern 25% of the claim and intrudes Hazelton Group andesitic to dacitic lapilli and crystal-lithic tuffs, andesite flows, quartzite, greywacke, argillite, shale and rare chert pebble conglomerate. The second and easternmost observed contact between Quanchus granodiorite and Hazelton Group rocks occurs in the BEN 3 claim (Map 1) and is characterized by a narrow 5-10 metre zone of intense hornfelsing and silicification of argillite and interbedded lapilli tuffs. Meta-sediments of argillite and quartzite appear cherty and recrystallized within this interval.

Rocks underlying the area north of a northeast-southwest-trending ridge in the central BEN 3 claim are predominantly dacitic to andesitic tuffs and interbedded sediments. The predominant lithologies on the south slopes of this ridge are argillaceous to quartzitic sediments enclosing minor tuffs. These units are intruded by rare diorite and strongly altered biotite monzonite. A small body of sulphide-mineralized, moderately to strongly altered biotite monzonite and another one of barren hornblende diorite occur in close proximity to each other near the southwestern portion of the BEN 3 claim.

The small exposure of orange-brown biotite monzonite locally appears completely recrystallized and hosts up to 5% disseminated pyrite, pyrrhotite and molybdenite. Molybdenite also coats fractures and shear planes. The sedimentary package in this region includes laminated graphitic shale, silty shale, sandstone, greywacke, massive quartzite horizons, minor andesitic flows and lithic or crystal-lithic tuffs. A single large outcrop of dark grey chert pebble conglomerate, overlain by platey to thinly bedded dark grey shale, is exposed on steep slopes on the east bank of a drainage in the east-central BEN 3 claim.

A brief description of the lithotypes observed on the BEN property follows below.

Dacitic Volcanics

Lithic, lapilli, ash tuffs: Maroon to grey, fine to medium-grained and locally sucrosic textured with minor biotite alteration. They generally appear intensely silicified and quartzitic textured with obliteration of primary textures near monzonite intrusions. Relict fine laminations occasionally are observed. Dark grey lithic-lapilli dacite tuff, containing quartz grains and lithic fragments in a fine-grained to aphanitic matrix, occurs on BEN 3 claims.

Andesitic Volcanics

Andesitic flows: Lime to dark green, massive and aphanitic to fine-grained. These rocks generally appear weakly to moderately chloritized and occur rarely as porphyry flows.

Andesitic Tuffs: Dark green, weakly to moderately chloritized with rare epidote. Tuffs comprise ash, lapilli, crystal and crystal-lithic varieties with occasional welded lapilli tuffs enclosing flattened fragments. These tuffs occur locally interbedded with andesite flows, argillite and fine clastic sediments and occasionally are found enclosing flattened argillite fragments measuring 1cm in length.

Felsic Volcanics

Rhyolitic Tuffs: Pale to medium grey, fine-grained to recrystallized lapilli tuff. Locally appears aphanitic and cherty due to silicification and commonly appears sucrosic textured due to hydrothermal alteration. May contain up to 10% feldspar fragments.

Intrusions

Granodiorite-Granite (Quanchus Pluton): Pale grey to white, coarse crystalline biotite-hornblende granodiorite with 15% coarse, dark brown to black biotite and 5% small black hornblende laths.

Biotite Monzonite: Light grey to orange to reddish-brown, fine to medium crystalline rock containing 5-10% brown to black biotite. Generally gossanous due to pervasive 1-2% pyrite, pyrrhotite and arsenopyrite content. Commonly contains up to 1% disseminated molybdenite and, locally, 0.5% tourmaline. This lithology is generally found in contact with or close proximity to altered and sulphide mineralized dacitic tuffs and interbedded sediments.

Hornblende Porphyritic Granite: Fine to medium crystalline dyke commonly with chlorite altered, subhedral phenocrysts up to 5mm in diameter.

Biotite-Feldspar Porphyry: Fine to medium crystalline, light to medium grey dyke with 3-5% fine biotite phenocrysts in very fine feldspar matrix.

Quartz-Feldspar (Aplite) Porphyry: Light grey to white to pale pink, fine crystalline quartz-feldspar porphyry dyke. Phenocrysts up to 2mm comprise up to 20% of the rock. Matrix comprises aphanitic quartzo-feldspathic material. Aplite dykes commonly intrude the Quanchus granodiorite-granite pluton.

Diorite Dyke/Intrusions: Dark green to grey, fine to medium crystalline, generally homogeneous but may contain up to 30% fine to coarse hornblende laths and phenocrysts, thus occasionally appearing porphyritic. Diorite intrudes all lithotypes and therefore probably represents the youngest suite of intrusions.

Sediments

Argillite: Black, generally massive and siliceous and also laminated to foliated. Commonly contains 1 to 5% pyrite and/or pyrrhotite and rarely appears graphitic.

Siltstone: Buff to tan-coloured, massive to thinly bedded, locally sucrosic textured and may contain fine shale partings.

Quartzite: White, buff, cream to maroon and pinkish-red, generally massive and may contain fine shale partings.

Greywacke: Fine to medium-grained, greyish-green, locally interbedded with black graphitic shale/ argillite, andesitic flows, lithic tuffs and quartzite.

Chert Pebble Conglomerate: Very thin to thickly bedded, matrix to clast-supported, heterolithic chert pebble conglomerate, locally containing flattened, elongate clasts cemented in fine siltstone and silica.

4.2.2 Structure

The general attitude of the stratigraphic sequences as measured on the BEN and BEN 1 claims is northwest to north-northwest with moderate to very steep dips to the southwest. The exception is the BEN 3 claim where interbedded volcaniclastic and sedimentary strata strike east to northeast and appear vertical to steeply south and southeast dipping. This major structural deviation is interpreted from several attitude measurements obtained on scattered outcrop throughout the BEN 3 claim and appears to affect strata in the western half of the claim. Attitude measurements recorded near the southern BEN 3 claim boundary and beyond the property perimeter reflect a regional northwest-southeast structural trend. The deviation in strike and dip of the above stratigraphy probably represents local folding and deformation, however, direct observations are precluded due to overburden cover (Map 1).

Small scale shearing with attendant fracturing, alteration and sulphide mineralizatin occurs at the contact between biotite monzonite and the limonitic, silicified dacitic tuff horizon exposed on the steep southeast bank of the creek in the north-central portion of the BEN claim. This style of fracturing and shearing probably reflects emplacement of the biotite-monzonite stock into the volcaniclastic sediments.

Further structural interpretation, based on Mag-VLF and I.P. surveys, is presented in the section on Geophysics which follows in this report.

4.2.3 Alteration and Mineralization

The volcaniclastic and sedimentary rocks on the BEN property are altered primarily by silicification accompanied by minor chloritization, carbonatization and limonite. Alteration of these units is localized and controlled by emplacement of biotite monzonite stocks and plugs (Late Jurassic-Early Cretaceous), the Quanchus granodiorite-granite pluton (Early Tertiary), local shearing and quartz veining.

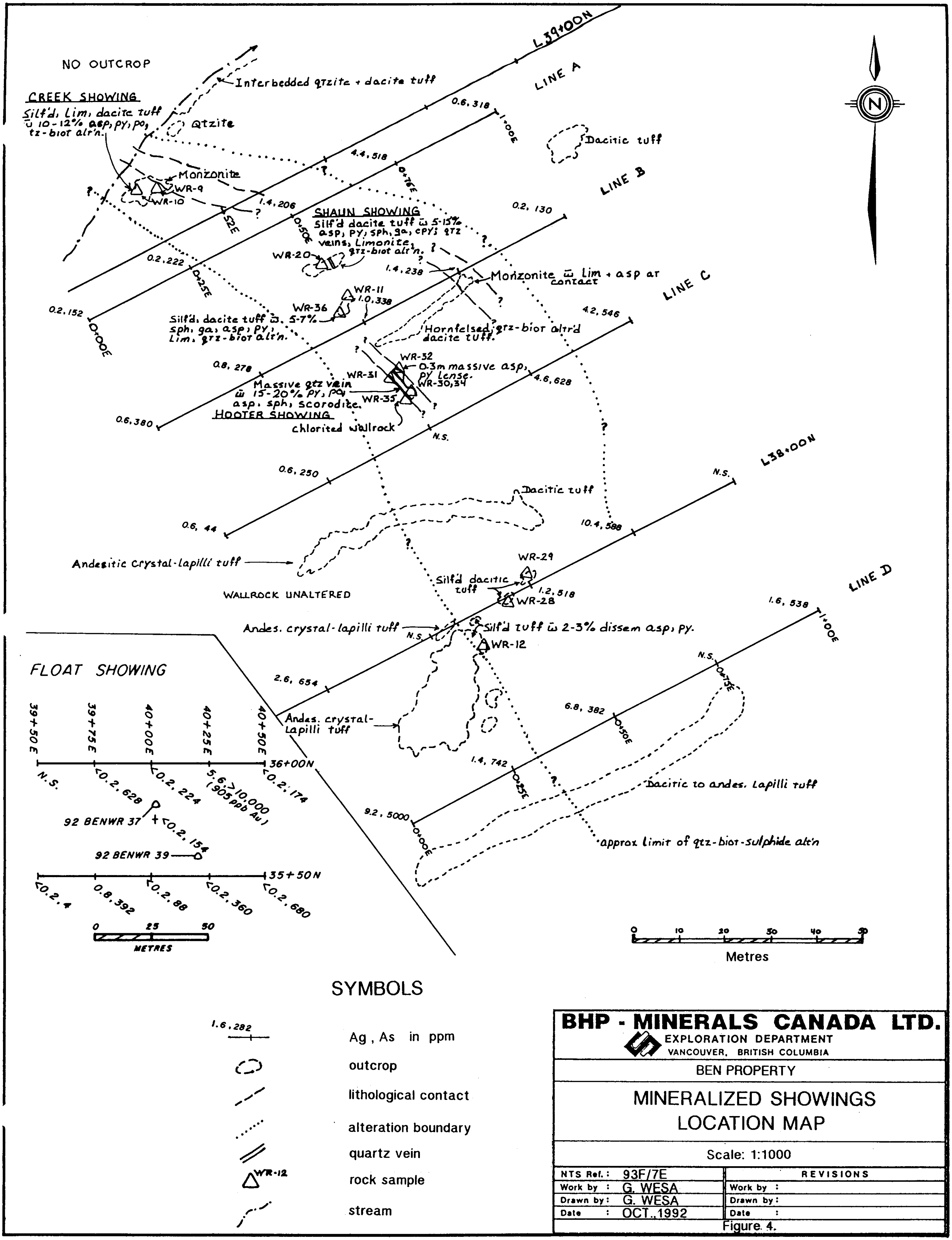
Intense silicification and hornfelsing of the proximal wallrocks at the contacts with the Quanchus pluton is evident in the BEN 1 and 3 claims. At these locations, the unmineralized hornfelsed zones are less than ten metres wide, suggesting that the intrusion was dry when emplaced. Although quartz veining and sulphide mineralization is not evident, the granodiorite-andesitic tuff contact in the BEN 1 claim shows strong evidence of a migmatization style of alteration with the injection of quartzo-feldspathic fluids into the volcaniclastics, resulting in the separation of quartz, feldspar and biotite into bands. In the BEN 3 claim, lapilli tuffs and argillites in contact with the intrusion appear aphanitic and cherty for a few metres away from the contact (Map 1).

Several small plugs or stocks and possibly sills of biotite-monzonite intrude Hazelton Group volcanic and sedimentary strata in the BEN and BEN 3 claims. These small intrusions are weakly to strongly altered and generally appear gossanous on weathered surfaces. Potassium feldspars generally appear altered, and up to 10% brown to black biotite may be present. The monzonites host trace to minor amounts of very finely disseminated pyrite and pyrrhotite and commonly contain minor arsenopyrite and molybdenite. A sulphide mineralized outcrop of monzonite examined in the BEN 3 claim is characterized by intense silicification and recrystallization, thereby producing a rock with a quartzitic appearance. Initial property mapping suggested that the monzonite occurs exclusively near the contact with the Quanchus pluton, however, 1992 mapping indicates that monzonitic intrusions occur up to 550 metres south of the contact.

Geological mapping, along a secondary access road in the clear-cut near the west-central BEN claim boundary, identified several small exposures of interbedded, siliceous, felsic to intermediate tuffs and argillaceous sediments mineralized with trace to minor disseminated pyrite, pyrrhotite, arsenopyrite, chalcopyrite and molybdenite. Mineralization appears to occur peripheral to several outcroppings and sub-outcroppings of orange to rusty-red weathering and altered biotite monzonite. Examination of float material and rare outcrops in the vicinity of the monzonites indicates that hornfelsing (silicification) and mineralization of the country rock may occur up to tens of metres proximal to the monzonites. Several high grade but very narrow quartz-sulphide veins, hosting 25-30% semi-massive to massive, narrow-banded, stringer and disseminated arsenopyrite, with abundant scorodite, were discovered in biotite monzonite sub-outcrop and float near the intersection of BL 46+00E with the secondary access road. The writer believes that the monzonite intrusions provided the source for the disseminated sulphides contained within the hornfelsed peripheral wall rocks.

Within the Hazelton Group volcanic and sedimentary strata, alteration and coincident sulphide mineralization parallels shear zones, quartz veining and silica flooding of dacitic tuffs. The most significant sulphide mineralized occurrences on the property occur on the BEN claim along a zone marked by a series of showings designated as the "Creek", "Shaun", "Hooter" and several smaller showings. These are exposed along a 180 to 200 metre strike length trending 140°-147° azimuth. Individual showings are 3 to 9 metres wide and are characterized by intense silicification and quartz flooding, commonly in the form of quartz veins, veinlets, lenses and pods (Figure 4).

The "Creek" Showing is marked by strong silica and limonite alteration, fracturing and narrow quartz veins within laminated to massive dacitic tuffs at the contact with altered biotite monzonite. The small monzonite exposure hosts <1% pyritic sulphides, however, the tuffs contain up to 15% arsenopyrite, pyrite and trace chalcopyrite in fine disseminations, stringers and narrow


NO OUTCROP
L39+00N
LINE A
LINE B
LINE C
LINE D
L38+00N
Interbedded qtzite + dacite tuff
CREEK SHOWING
Silf'd, Lim, dacite tuff w 10-12% asp, py, po, tz-biot alt'n.
Qtzite
Dacitic tuff
Monzonite
WR-9
WR-10
SHAUN SHOWING
Silf'd dacite tuff w 5-15% asp, py, sph, ga, cpy; qtz veins, Limonite, qtz-biot alt'n.
WR-20
Monzonite w Lim + asp at contact
WR-11
WR-36
Silf'd, dacite tuff w. 5-7% sph, ga, asp, py, Lim, qtz-biot alt'n.
Hornfelsed, qtz-biot altr'd dacite tuff.
WR-32
0.3m massive asp, py Lense.
WR-30,34
WR-31
Massive qtz vein w 15-20% py, po, asp, sph, scorodite.
WR-35
HOOTER SHOWING
chlorited wallrock
Dacitic tuff
Andesitic crystal-lapilli tuff
WALLROCK UNALTERED
WR-29
Silf'd dacitic tuff
WR-28
Andes. crystal-lapilli tuff
Silf'd tuff w 2-3% dissem asp, py.
WR-12
Andes. crystal-Lapilli tuff
Dacitic to andes. Lapilli tuff
approx limit of qtz-biot-sulphide alt'n
FLOAT SHOWING
39+50E
39+75E
40+00E
40+25E
40+50E
36+00N
35+50N
92 BENWR 37
92 BENWR 39
(905 ppb Au)
METRES
Metres
SYMBOLS
1.6, 282
Ag, As in ppm
outcrop
lithological contact
alteration boundary
quartz vein
WR-12
rock sample
stream
BHP - MINERALS CANADA LTD.
EXPLORATION DEPARTMENT
VANCOUVER, BRITISH COLUMBIA
BEN PROPERTY
MINERALIZED SHOWINGS
LOCATION MAP
Scale: 1:1000
NTS Ref.: 93F/7E
Work by: G. WESA
Drawn by: G. WESA
Date: OCT., 1992
REVISIONS
Work by:
Drawn by:
Date:
Figure. 4.

veinlets.

The "Shaun" Showing is marked by intensely silicified, pale grey to maroon dacitic tuff containing up to 15%, and commonly 25%, disseminated, semi-massive, stringer, fracture filling and acicular arsenopyrite, accompanied by trace to minor pyrite, chalcopyrite, galena and sphalerite. Mineralization is contained within the siliceous wallrock matrix and enclosed within clear to smokey grey quartz veins and lenses measuring up to 12 centimetres wide. Quartz veins locally appear strained and fractured, suggesting that shearing may have occurred concurrent with mineralization. Minor disseminated to coarse galena occurs with arsenopyrite and trace pyrite in narrow, rusty weathering, limonitic shear zones. The wallrock is intensely silicified and locally exhibits enrichment in biotite. Silicification imparts a quartzitic texture to the tuffs, making it difficult to determine their exact nature. Observed relict banding and laminations indicate, however, that the tuffs were initially very thinly stratified, water lain ash to lapilli tuffs before silica-sulphide replacement occurred.

The "Hooter" Showing is characterized by a 6.6 metre long x 2.8 metre wide massive quartz vein which strikes 140° and hosts 5-15% disseminated to coarse arsenopyrite, pyrite, sphalerite and galena. This vein also includes a 0.3 metre wide lense of massive arsenopyrite (85%) and pyrite (10%) enclosing approximately 5% pale grey quartz eyes and coarse biotite clots and masses. The showing was exposed by peeling back large carpets of moss covering a domal outcrop near a contact between biotite monzonite and hornfelsed, biotite altered dacitic tuffs. The mineralized quartz vein occurs in the altered tuffs approximately 23 metres southwest of the contact.

The primary sulphide mineral in the quartz vein is arsenopyrite which occurs as fine to coarse disseminations, stringers, fine veins, hairline fracture fillings, irregular clots and, notably, as massive mineralization in the arsenopyrite-pyrite lense. The wallrock is locally sheared, foliated and strongly chloritized, silicified and limonitic. Disseminated, stringer and irregular small blebs of arsenopyrite, pyrite, sphalerite, galena and pyrrhotite mineralize the tuffs within a few metres of the quartz vein contact. Yellowish-green scorodite occurs abundantly in the vitreous to pale grey and creamy quartz vein and commonly near the foliated wallrock contact. Minor fracture filling and stringer arsenopyrite was observed within the altered biotite monzonite at the wallrock contact. Bedrock away from the contact is relatively unaltered and has been identified as laminated to massive dacitic lapilli tuff which locally displays stretched and flattened inclusions and fine fragments.

Other small outcrops occurring along strike of this mineralized zone include massive, "quartzitic-looking", intensely silica flooded, pale grey to maroon dacitic tuff hosting 5-7% disseminated to coarse crystalline sphalerite and galena with minor fine pyrite and chalcopyrite. Silicification is the primary form of alteration, however, limonite occurs on weathered surfaces, fractures and commonly as limonitic pods and clots within sucrosic patches of wallrock. Light to dark brown, reddish-brown and orange-brown biotite appears to be an important accessory or alteration mineral.

Approximately 175 metres south of the "Hooter" Showing, near L37+00N, 51+00E, disseminated, acicular and stringer arsenopyrite occurs in sheared, silicified and limonitically altered medium to dark brown andesitic lapilli tuffs. The rusty weathering, limonitic tuffs also host locally abundant disseminated pyrite and pyrrhotite plus biotite, commonly in quartz veins, pods and narrow lenses. Silicification has produced an overall quartzitic texture, however, the wallrock locally exhibits a sucrosic, friable texture which may result from a form of subsequent hydrothermal alteration associated with narrow limonitic shear zones. Float boulders of altered biotite monzonite were discovered in the vicinity, however, no outcroppings of this intrusion were observed.

On L30+00N at 60+75E, a small isolated outcrop of argillite exhibits intense quartz veining, quartz stockwork veining and brecciation. This silicified stockwork breccia contains up to 2% finely disseminated sulphides and, along with other small silicified argillite and shale outcrops along this contour, may represent hydrothermal alteration.

A single, large float boulder, discovered in the clear-cut near the common BEN/BEN 1 claim boundary in the southeastern BEN 1 claim, hosts 75-80% semi-massive to massive, acicular and disseminated arsenopyrite plus galena, sphalerite and pyrite. Abundant scorodite and limonite occurs with the sulphides in a vitreous to smokey brown quartz matrix, which also encloses wallrock breccia fragments. Nearby, float boulders of siliceous, dark grey, massive andesitic lapilli tuff host approximately 3-4% dark brown, coarse sphalerite. A search of the area failed to detect the source of the mineralized float and the author believes that this mineralization probably derives from a narrow sulphide-quartz vein hosted in silicified andesitic lapilli tuffs interbedded with argillites and fine clastic sediments.

5.0 1992 EXPLORATION PROGRAM

5.1 Geological Mapping

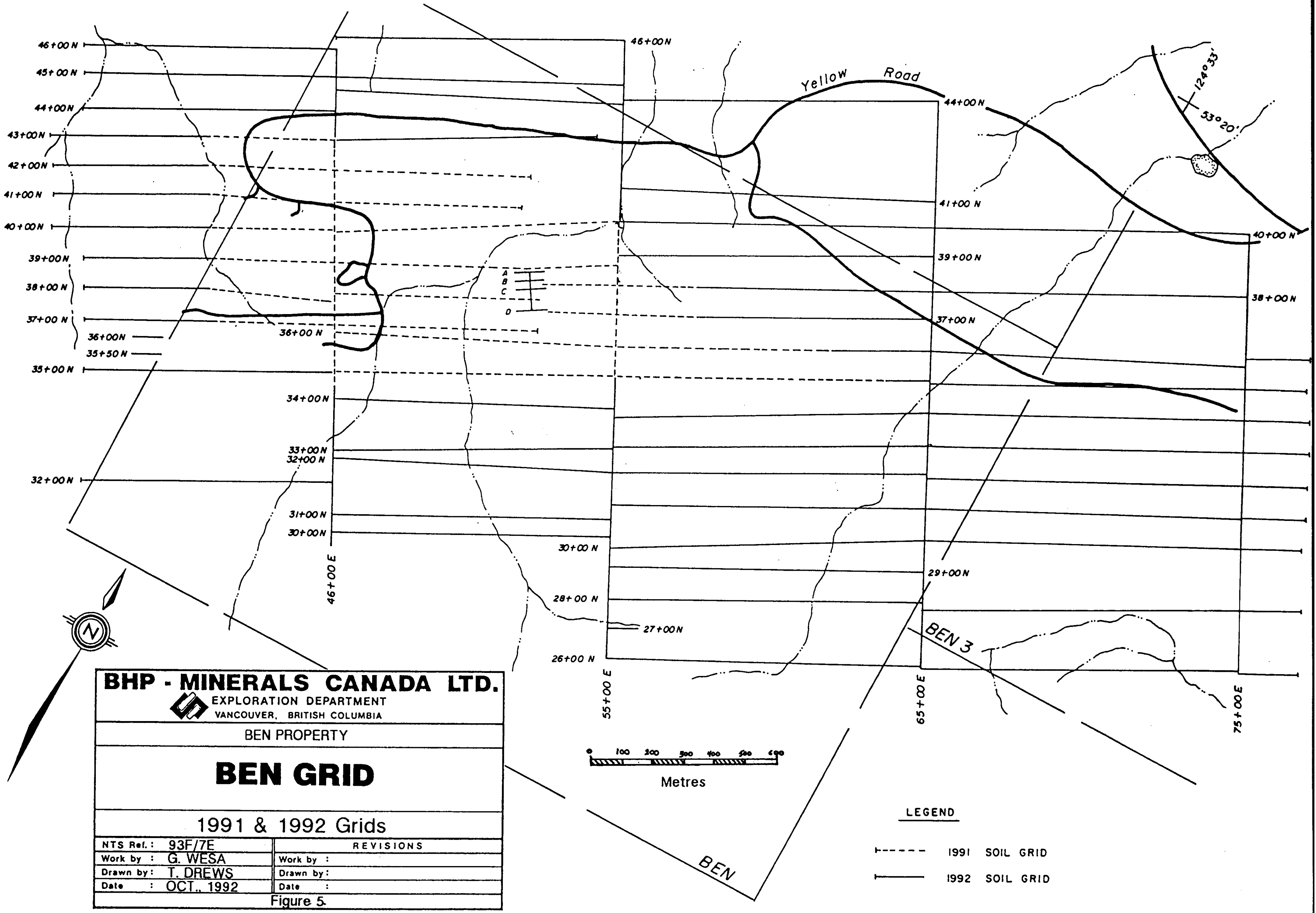
Approximately 90% of the property was evaluated by geological mapping, prospecting and grid-controlled soil sampling. Simultaneous mapping and grid establishment was carried out on all four of the BEN claims with the highest concentration of effort directed towards the BEN claim. Lithogeochemical sampling was conducted concurrent with the mapping survey.

5.2 Geochemistry

5.2.1 **Sampling Procedure:** A total of 47 rock grab, float and chip samples and 359 grid soil samples were collected during the 1992 property evaluation program. Rock grab and chip samples were collected from outcrop exposures exhibiting favourable characteristics such as gossanous staining, sulphide content, shearing and alteration. Rock specimens were placed in marked plastic bags. All sample sites were marked with a fluorescent ribbon displaying the corresponding sample code.

During preliminary work on the BEN property in 1991, 16,200 metres of flagged grid lines were established from which 241 soil samples plus four stream samples were collected. In addition, 40 rock samples were collected for analysis (Figure 5).

In 1992, this grid was expanded to facilitate additional soil sampling, mapping, Mag-VLF and I.P. geophysical surveys. The new grid, composed of 46.6 kilometres of flagged lines, was established with compass and hip chain to cover the surrounding area, believed to be underlain by favourable geology and potentially mineral-bearing stratigraphy. Soil samples were collected from the grid area underlain by Hazelton Group strata. No samples were collected from areas where mapping had delineated barren



BHP - MINERALS CANADA LTD.
EXPLORATION DEPARTMENT
VANCOUVER, BRITISH COLUMBIA

BEN PROPERTY

BEN GRID

1991 & 1992 Grids

NTS Ref. :	93F/7E	REVISIONS	
Work by :	G. WESA	Work by :	
Drawn by :	T. DREWS	Drawn by :	
Date :	OCT., 1992	Date :	

Figure 5.

granodiorite-granite rocks of the Quanchus pluton.

The previous baselines, BL 46+00E and BL 55+00E, were extended to the north and south, plus two new baselines, BL 65+00E and BL 75+00E, were established at a bearing of 153° azimuth. Wood pickets marked the locations of cross lines every 100 metres along the baselines and identified 100-metre stations along the cross lines. Twenty-five metre intervals were marked with fluorescent ribbon along every cross line and soil samples were collected every 50 metres over the majority of the grid. Sample spacing was increased to 100 metres over less prospective bedrock. In addition, 100-metre stations on the 1991 grid cross lines were re-marked with wood pickets displaying proper coordinates.

Three hundred and fifty-nine soil samples were collected from 25 centimetre deep pits in poor to well developed soil profiles represented by dark brown to rusty B horizon silts and sandy clays. Terrain covered by this survey varied from subdued and gently undulating to moderately high relief characterized by steep slopes with minimal soil development. Samples collected from these latter areas were principally talus fines.

Geological mapping and prospecting in 1992 delineated two prospective targets that warranted immediate follow-up work in the form of close-spaced soil sampling along an additional 600 metres of grid lines comprising two "mini-grids" on the BEN claim. Twenty-five metre interval sample stations were located on variably-spaced cross lines covering the Shaun and Hooter Showings. A similar smaller mini-grid was established over the area of arsenopyrite-sphalerite-galena-pyrite mineralized quartz float and sphalerite-bearing andesitic tuff float near the southeastern corner of the BEN 1 claim (Maps 3 and 4, Figures 4 and 5).

The majority of the soils collected from the grids appeared to have a residual character and probably developed in situ. Glacial and glaciofluvial material is rare and bedrock generally occurs less than one metre from the surface.

Sample pits were dug with a long handled mattock and soil samples were placed in numbered large gusseted kraft paper soil bags. Analytical results are presented in Appendix IV and geochemical values are plotted on Maps 3 and 4. Ground control for mapping and sampling was provided by altimeter, compass and topo chain, and the field crew were supplied with 1:10,000 scale topo maps for plotting data.

5.2.2 **Rock Geochemistry:** During the 1992 exploration program, 47 rock samples were collected. Analytical results are presented in Appendix V and rock sample descriptions are recorded in Appendix VI.

The majority of the samples were sulphide-bearing and were collected from areas of alteration, shearing, quartz-sulphide veining and lithological contacts. Table 3 records anomalous values for Au, Ag, As, Zn, Pb, Cu, Sb and Bi resulting from lithogeochemical analysis of mineralized showings.

TABLE 3: Lithogeochemical Analysis (1992) - BEN Showings

Sample Number	Au (ppb)	Ag (ppm)	As (ppm)	Zn (ppm)	Pb (ppm)	Cu (ppm)	Sb (ppm)	Bi (ppm)
CREEK SHOWING								
92BENWR-9	960	70.2	3,650	498	1,815	280	24	10
92BENWR-10	1,100	102.0	1,465	740	2,520	596	26	12
SHAUN SHOWING								
92BENWR-20	605	60.4	>10,000	542	1,360	281	54	6
HOOTER SHOWING								
92BENWR-30	790	57.8	>10,000	26	956	345	70	34
92BENWR-31	500	64.8	5,610	134	1,235	156	44	44
92BENWR-32	4,900	73.8	>10,000	76	170	2,170	136	12
92BENWR-34	1,550	86.2	>10,000	154	1,705	558	64	40
92BENWR-35	1,810	133.5	>10,000	412	5,000	301	98	96
92BENWR-36	750	89.2	508	8,370	532	237	132	20
OTHER SHOWINGS								
92BENWR-13	685	12.2	>10,000	958	614	192	18	4
92BENWR-21	540	7.8	>10,000				78	
92BENWR-24	980	47.8	5,420	1,200	714		212	
FLOAT SHOWING								
92BENWR-37	0.362oz	>200	>10,000	2,650	>10,000	257	854	20
92BENWR-39	90	14.6	432	>10,000	348		30	

Following is a discussion of the geochemical results of the lithogeochemical sampling survey conducted on the series of showings described as the "Creek Showing", "Shaun Showing", "Hooter Showing", a small showing near Station 51+00E on L37+00N on the BEN claim and a small float showing on the BEN 1 claim (Map 2, Figure 4).

The Creek, Shaun, Hooter and other minor showings occur along a mineralized zone trending roughly 140°-147° azimuth and are traceable in separate outcrops for over

180 metres (Figure 4). The small float showing in a clear-cut in the southeastern corner of the BEN 1 claim consists of boulders of gossanous float which returned strongly anomalous gold, silver and base metal values.

Gold values from the first anomalous area range from 605 ppb Au (WR-20) at the Shaun Showing to 4,900 ppb Au (WR-32) at the Hooter Showing with the latter value being recorded from a 0.30 metre wide lense of massive arsenopyrite within a 2.8 metre wide bull quartz vein which is exposed on surface for approximately 6.6 metres (Maps 1 and 2). Coincident high silver values, ranging from 57.8 ppm (WR-30) up to 133.5 ppm (WR-35), on the Hooter Showing plus strongly anomalous arsenic values, from 1,465 ppm (WR-10) on the Creek Showing up to >10,000 ppm As on the Hooter and Shaun Showings, are recorded along this trend. Gold and silver are intimately associated with arsenopyrite, however, base metals are absent or insignificant in most samples. Lead values of 956-5,000 ppm and a copper value of 2,170 ppm (WR-32) are documented on the Hooter Showing. A small outcrop of silicified volcanic tuff, located 19 metres northwest of the Hooter Showing, is mineralized with coarse sphalerite and minor pyrite and returned anomalous zinc (8,370 ppm) and silver (89.2 ppm) values. A moderately anomalous gold value of 750 ppb, accompanied by anomalous antimony (132 ppm Sb) and bismuth (20 ppm Bi), was also documented (WR-36).

An outcrop of altered volcanic tuffs near Station 51+00E on L37+00N returned moderately anomalous gold (540-980 ppb), silver (47.8 ppm) and arsenic (2,750->10,000 ppm) values from four grab samples (WR-21 to 24). Base metal values were insignificant from this showing.

The highest gold value recorded on the property is 0.362 oz/t Au (WR-37) from a single large float boulder discovered in a clear-cut near the common BEN/BEN 1 claim boundary in the southeastern BEN 1 claim. Coincident anomalous silver (>200 ppm), arsenic (>10,000 ppm), lead (>10,000 ppm), zinc (2,650 ppm) antimony (854 ppm) and bismuth (20 ppm) were also recorded from this sample. A search of the area failed to reveal any additional mineralized float of this nature and it is suspected that the single limonitic boulder may be derived from a narrow mineralized vein. A second float boulder from a few metres away contained coarse sphalerite and returned >10,000 ppm zinc, 14.6 ppm silver and only 90 ppb Au. A soil grid, with 25 metre interval stations, was established over the immediate area, however, soil geochemical results failed to outline any anomalies. No outcrop exists in this area and it is believed these boulders may have been dislodged from the subsurface by trenching operations which were conducted following clear-cut logging.

Elsewhere on the property, lithogeochemical sampling yielded anomalous metal values. Quartz vein float, hosted within altered biotite monzonite near the west-central BEN claim boundary, recorded elevated to anomalous values for gold (480 ppb), silver (16.2 ppm), arsenic (>10,000 ppm), zinc (1,190 ppm), antimony (244 ppm) and bismuth (16 ppm). These values occur in narrow, pale grey to white quartz veins hosting up to 30% stringer, banded and semi-massive arsenopyrite (WR-18).

Another example of mineralization associated with nearby biotite-monzonite intrusions may be found in the east-central BEN claim at Station 58+75E on L31+00N. At this location, small outcrops of coarse crystalline biotite monzonite intrude altered, quartz veined andesitic crystal tuff hosting minor arsenopyrite, pyrite and galena. A rock grab sample yielded 635 ppb Au, 1,655 ppm As, 270 ppm Pb and 10 ppm Bi (WR-27).

Grab sample 92BENPR-9 returned elevated to anomalous values for gold (540 ppb), silver (31.0 ppm), arsenic (>10,000 ppm), lead (580 ppm) and antimony (108 ppm).

The lithogeochemical survey on the BEN claims failed to outline any significant base metal and precious metal targets in other areas of the property.

5.2.3 **Soil Geochemistry:** A total of 359 grid soil samples were collected from the expanded portion of the BEN grid (Figure 5). A review of the analytical results indicates that nearly all gold-in-soil values are below the detection limit of 5 ppb. A number of scattered elevated silver values (0.8-1.8 ppm Ag) occur roughly parallel to the Hazelton Group-Quanchus pluton contact between BL 55+00E and BL 65+00E. Two of these silver values correspond with elevated arsenic values (300 ppm and 930 ppm As), however, no other correlations exist.

The detailed, "mini-grid", soil sampling survey conducted over the Shaun and Hooter Showings returned coincident elevated to anomalous gold, silver, arsenic, lead, copper and antimony values: gold (270 ppb), silver (up to 9.2

ppm), arsenic (up to 5,000 ppm), lead (up to 478 ppm), copper (up to 244 ppm) and antimony (up to 60 ppm).

A mini-grid was also established over a limited area of arsenopyrite-sphalerite-galena-bearing quartz float near the southeastern corner of the BEN 1 claim. Gold and silver values were low, however, one soil sample, collected roughly 20 metres north of the mineralized float boulders (L36+00N, 40+25E), returned 905 ppb Au, 5.6 ppm Ag, >10,000 ppm As, 132 ppm Pb, 2,500 ppm Zn, 54 ppm Sb and 15.5 ppm Cd. Other soil samples from this grid yielded 154-680 ppm As, 1,180 ppm and 1,620 ppm Zn, 382 ppm Pb and 140 ppm Sb. Analysis of soils failed to return any anomalous values for other elements within this grid and the remainder of the property.

An examination of soil analytical results indicates a close correlation between elevated to anomalous gold, silver and arsenic responses that coincide with anomalous zinc, lead, copper, stibnite and cadmium values. This element association strongly suggests an epithermal vein style of mineralization for the areas underlying the mini-grids.

5.3 Geophysical Program

The geophysical program was designed in an attempt to define metallic sulphide mineralization, monzonite intrusions, the major contact between the granite and the Hazelton volcanics and structure (see Geology).

The geophysical surveys were conducted on a grid centred mostly on the BEN claim but also contained within the BEN 1, 2 and 3 claims. The geophysical coverage includes 51.875 line kilometres of Total Field Magnetics, 45.3 line kilometres of VLF-EM and 1 line kilometre of Induced Polarization (IP). The Total Field Magnetic data is presented as a 1:5,000 scale posted value grid map and a 1:10,000 scale contour map (see Maps 5 and 6). The VLF-EM data is presented in a 1:5,000 scale profile map of the inphase and quadrature with posted values and a 1:10,000 contoured Fraser filter map of the inphase values (see Maps 7 and 8). The IP data is presented as posted values in a 1:2,500 pseudosection and in a 1:5,000 contoured pseudosection (see Map 9 and 10).

The geophysical surveys are compiled as anomalous magnetic area, VLF-EM trend, interpreted contact and interpreted fault (see Map 11).

5.3.1 **Survey Descriptions:** The surveys described below were performed by technologist Thomas Bokenfohr.

a) Total Field Magnetics/VLF-EM - The VLF-EM data was collected over the grid using the Seattle, Washington transmitting station. The Total Field Magnetic and VLF-EM data were collected at 12.5 metre intervals.

b) Two Scintrex IGS (Integrated Geophysical System) - Used to perform these surveys. The IGS enables both Total Field Magnetics and VLF-EM data to be recorded simultaneously. Each system uses two synchronized units: one (an MP-3) acts as a base station which monitors the earth's magnetic diurnal drift every five seconds at a stationary point; the other (an MP-4/VLF-4) acts as a field unit which records the Total Field Magnetics and the VLF-EM (Inphase and Quadrature) measurements along grid lines. The two units are coupled at the end of the day and the field unit's magnetic data are corrected to 58,000 gamma datum. These magnetic data are generally repeatable to approximately five gammas in low magnetic gradient areas.

c) IGS VLF-EM Inphase and Quadrature Measurements - Recorded with the operator facing the transmitter station, regardless of the traverse direction. This causes the VLF-EM anomaly to express itself with the positive Inphase lobe always to the right (facing the transmitter station) of the negative lobe.

d) Scintrex IPR11 Induced Polarization Receiver with a Phoenix IPT1 Transmitter - Recorded the voltage produced by current transmitted into the ground. The voltage combined with the current gives a value for the ground resistivity. The transmitter produces a 2-seconds on/2-seconds off current pulse, the receiver measures the voltage decay rate during the 2-seconds off period for a chargeability value.

5.3.2 **Program Discussion:** Three anomalous magnetic types have been defined with a large number of VLF-EM trends as shown in the Geophysical Compilation Map.

a) Anomalous magnetic Type A - Three areas have been defined as Type A. They are in very close proximity with the contact between the granitic intrusion and the Hazelton volcanics. The relative broadness of these magnetic highs are probably due to a shallow dip (about 20° to the south).

b) <u>Anomalous magnetic Type B</u> - Three areas have been defined as Type B. They are found in close proximity to the monzonites. Mineralization occurs in close proximity to these monzonites and it is believed to be directly related. Although pyrrhotite has been identified in the mineralization, its magnetic susceptibility is significantly weaker than in the proximal monzonite. It is therefore concluded that the monzonite is the probable source of this anomalous type.

c) <u>Anomalous magnetic Type C</u> - Two areas have been defined as Type C. The shape of these areas are consistent with what would be expected from intrusive plugs. The rocks found in these areas are either sediments or andesitic flows and tuffs. These rock types do not explain the magnetic high but underlying shallow monzonite intrusions could be the cause. On line 2800N station 7250E, the presence of an altered monzonite is not apparent on the magnetic data. There is a distinct possibility that the magnetic susceptibility of the monzonite is highly variable.

d) <u>VLF-EM Trends</u> - As can be seen from the compilation map, a large number of VLF-EM trends have been defined on the geophysical compilation map. Most of these trends are covered by overburden and direct correlation is not possible. In the southeastern portion of the grid, highly graphitic sediments have been identified and are probably responsible for some of these trends. From the magnetic and VLF data, it is clear that this property has undergone several events of faulting. Some VLF trends could very well represent faults. In fact, the Hooter Showing contains massive arsenopyrite, about 0.3 metre thick, and has a related VLF trend which is also contained within a fault outlined by the magnetic data. The VLF trend related to the Hooter Showing extends from line 3900N to 3100N. In the immediate area of the monzonite showing on line 4000N station 4500E, two strong VLF trends are present at stations 4450E and 4650E. These trends are probably related to planes of weakness (fractures and faults) filled with metallic sulphides related to the monzonite. In close proximity to the float showing (3500N, 4000E), VLF trends are also present.

e) <u>Induced polarization survey</u> - Displays areas of very low resistivity and high chargeability which are in the vicinity of the monzonite showing on line 4000N station 4500E. These low resistivity areas are consistent with the VLF trends and relate to the same sources. The background chargeability is generally high and is probably due to an elevated background content of pyrite.

6.0 CONCLUSIONS

Geological mapping, grid-controlled soil sampling, lithogeochemical sampling and Mag/VLF and IP geophysical surveys were the focus of exploration activity on the BEN property during the 1992 reconnaissance program. Geological mapping has shown that the property covers an assemblage of northwest-striking, interbedded felsic to intermediate tuffs, andesitic flows, quartzites, argillites, chert pebble conglomerate and related fine clastic sediments of the Lower to Middle Jurassic Hazelton Group. This sequence has been locally intruded by Late Jurassic-Early Cretaceous biotite monzonite stocks and/or plugs which are weakly sulphide mineralized and have contributed directly to the mineralization of the Hazelton Group volcanic and sedimentary rocks. The regionally extensive Early Tertiary Quanchus granodiorite-granite pluton intrudes the Hazelton Group rocks and occupies the northern third of the property. Other intrusions include a diverse suite of narrow dykes which intrude all lithotypes stated above and represent the youngest phases of igneous activity.

An evaluation of the 1991 and 1992 data indicates that gold, silver and base metal mineralization is associated with quartz veins, locally, small scale narrow shear zones and silicification and quartz flooding of principally dacitic tuffs. Geological mapping confirms that mineralization lies proximal to weakly mineralized, moderately to strongly altered biotite monzonite intrusions. Bedrock contacts with the monzonite intrusions are generally hornfelsed, silicified, limonitic and variably sheared. Sulphide mineralization (pyrite, pyrrhotite, molybdenite) occurs weakly disseminated as fracture coatings within monzonite and is associated with quartz veins, also containing arsenopyrite, sphalerite and stibnite, which are hosted by the monzonite. This evidence suggests that small stocks of biotite monzonite contributed directly to the alteration (silicification) and mineralization of the proximal bedrock.

Four basic styles of mineralization are represented:

1. Quartz vein-hosted, polymetallic mineralization with As, Ag, Au, Pb, Zn, Cu, Sb and Bi. The highest Au, As and Ag grades occur in this style of mineralization.

2. Disseminated to semi-massive arsenopyrite with minor pyrite and chalcopyrite at sheared contacts between silicified and

weakly chloritized volcaniclastics and altered monzonites. Sulphides occur primarily in the meta-volcanics.

3. Altered biotite monzonite hosting disseminated and fracture coating pyrite, pyrrhotite and molybdenite plus minor arsenopyrite.

4. Silicified, silica-flooded and quartz veined dacitic tuffs hosting disseminated to coarse arsenopyrite and sphalerite with trace to minor pyrite, chalcopyrite and galena.

The styles of mineralization and accompanying alteration suggest two possible genesis of mineralization; a volcano-sedimentary submarine exhalative origin and a subsequent overprinting epithermal vein style of mineralization. Evidence for the former is indicated by the presence of a zone of hydrothermal alteration of the tuffaceous and sedimentary wallrocks (i.e. silcification), minor quartz-pyrite stockwork brecciation of adjacent argillites and shales, and associated minor quartz veining. This class of mineralization is characterized by fine-grained pyrite and/or pyrrhotite, sphalerite and galena. Within the Hazelton Group sedimentary environment, penecontemporaneous igneous activity manifests as felsic to intermediate (ash to lapilli, lithic and crystal) tuffs. Exhalative centres of the hydrothermal solutions have not been positively interpreted and no eruptive centres for the volcaniclastics have been identified, however, it is apparent that an increase in igneous activity exists as evidenced by the presence of volcaniclastic rocks. Increased igneous activity may be also represented by biotite monzonite intrusions and it is possible that a long cooling period of these intrusions could have provided sufficient energy for the convective circulation of metal-bearing hydrothermal solutions. The monzonite intrusions would have provided the anomalously high geothermal gradient necessary for convective circulation in the volcano-sedimentary pile which is important for potential exhalative mineralization. On the BEN property, anomalous sulphide mineralization and related alteration appears to have an affinity for dacitic tuffs which are intruded by small biotite monzonite stocks and possible sill-like bodies.

With regard to a second control on mineralization, disseminated, acicular and semi-massive to massive arsenopyrite, with lesser amounts of pyrite, sphalerite, galena and chalcopyrite, occurs in massive quartz veins. The quartz-sulphide veins have returned anomalous values in As, Ag, Au, Pb, Zn, Cu, Sb and Bi; therefore, indicating a subsequent epithermal overprint upon the exhalative style of mineralization. The presence of moderately to strongly anomalous Sb and Bi values, coincident with highly anomalous As and Au values, supports the existence of an epithermal system controlling precious and base metal mineralization. These latter mineralizing solutions probably utilized the same channels and conduits as initial hydrothermal fluids responsible for exhalative-style alteration and mineralization.

Geological mapping during the 1992 program confirms that the anomalous soil geochemical signatures resulting from the 1991 survey are derived from silica-sulphide mineralized zones within altered Hazelton Group dacitic tuffs as well as from sulphide mineralized, altered biotite monzonite. One significant target has been outlined by elevated to strongly anomalous Ag and As-in-soil values on the BEN claim. The anomalous area is locally intruded by narrow quartz veins and lenses hosting semi-massive to massive arsenopyrite with subordinate pyrite, sphalerite, galena and chalcopyrite. Within these high grade zones, elevated to anomalous lithogeochemical values are recorded in As, Ag, Au, Zn, Pb, Cu and rarely Sb and Bi. A high lithogeochemical gold value of 4,900 ppb (4.9 g/t Au) from the 1992 program was recorded from a 0.3 metre wide massive arsenopyrite-pyrite horizon hosted within a quartz-sulphide vein located roughly 50 metres southeast of Station 52+00E on L39+00N (Hooter Showing).

A second area returning significant anomalous gold and base metal-in-soil values was outlined near the southeastern corner of the BEN 1 claim. Two sulphide-rich float boulders were discovered which consist of: semi-massive and acicular arsenopyrite with disseminated to coarse sphalerite, galena and minor stibnite in quartz-wallrock breccia; and coarse sphalerite in andesitic flows. A "mini-grid" established over the area of mineralized float yielded limited, elevated to anomalous values for As, Au, Ag, Pb, Zn, Sb, Cd and Mo. The highest gold value recorded during the 1992 program (0.362 oz/t) was obtained from a single boulder of sulphide (arsenopyrite-sphalerite-galena-stibnite)-quartz float from this location.

7.0 RECOMMENDATIONS

Analytical results from the 1992 geochemical soil sampling program were disappointing and exploration activity failed to detect the presence of a large precious and base metal deposit of economic size and grade.

Apart from two strongly anomalous Au-Ag-As responses, one from the Hooter and Shaun Showings and the second from the Float Showing, no other significant gold results were documented. Observations made during the present survey indicate that these two targets possess the most economic potential and warrant limited work comprised of the following:

1. Limited backhoe trenching and winkie drilling across the Hooter and Shaun Showings, particularly in the vicinity of the 2.8 metre wide massive quartz-arsenopyrite vein. Gaps exist between isolated mineralized outcrops, and favourable targets and structures may exist. Trenching would increase the amount of surface exposure of this silica-sulphide mineralized zone, however, a small diameter, Winkie drilling program is relatively inexpensive and would provide additional information with respect to subsurface dimensions and depth of the zone. It is recommended that several shallow holes, of approximately 30-50 metres, be drilled along strike to better define the size of this zone and tenure of mineralization at depth. These showings lie within the area of proposed 1993 clear-cut logging; thus improved access through construction of new roads is provided.

2. Reconnaissance trenching in the clear-cut in the vicinity of the Float Showing to possibly find the source of the 0.362 oz/t Au-in-float value. Coincident, strongly anomalous silver, arsenic, lead, zinc, antimony and bismuth, hosted in quartz-breccia veins, suggests a possible epigenetic, Au-bearing quartz vein style of mineralization with the potential for more mineralization.

The geophysical surveys have been successful in outlining the contact between the Quanchus granodiorite-granite and the Hazelton volcanics. They have also been useful in defining a number of fault structures. The relationship between high magnetic field values and the monzonite is unclear because of its varying magnetic susceptibility. Therefore, relating C-type magnetic areas to monzonite intrusions is by no means certain but is a distinct possibility. Relationships between VLF-EM conductors and mineralization has been established at the Hooter Showing and possibly at the Float Showing.

Because of the large number of VLF-EM trends, it would be impractical to verify each anomaly, although VLF-EM trends in the vicinity of known or possible (magnetic Type-C) monzonite intrusions should be investigated further, possibly by trenching. Since these mineralized zones can be fairly narrow, a VLF-EM receiver should be kept on hand to define the position of the conductor as precisely as possible before trenching. If any of these conductors are to be drilled, then a Max-Min profile should be performed over selected areas to develop a better understanding on dip and depth to the top of the conductor. Detailed Total Field Magnetics should also be carried out in areas of interest with good grid control, in order to get better resolution of structural information and possibly outline monzonites.

8.0 REFERENCES

Pollock, T.R, Nikolayevich, A., 1991. **Geological and geochemical report on the BEN Property.** BHP Minerals Canada Ltd.

Tipper, H.W., 1963. **Nechako River Map Area, British Columbia.** Geological Survey of Canada, Memoir 324.

APPENDIX I

ITEMIZED COST STATEMENT

ITEMIZED COST STATEMENT

FIELD COSTS

SALARIES	MANDAYS		COST/MANDAY	
G. Wesa	26	@	$192.00	$ 4,992.00
S. Pattenden	25	@	167.00	4,175.00
T. Bokenfohr	16	@	125.00	2,000.00
T. Pollock	8	@	185.00	1,480.00
				$12,647.00

FIELD EXPENSES	MANDAYS		COST/MANDAY	
Accommodation	12	@	$63.50	$ 762.00
Westar Timber's Camp	54	@	60.00	3,240.00
Motel/Lodging	5	@	31.10	155.50
Meals	12	@	15.30	183.60
Communication				80.71
Rentals				1,722.16
Fuel				413.00
Freight/Shipping				95.15
Field supplies & materials				1,181.32
Office supplies & materials				30.87
Computer supplies				64.51
Travel/Airfare				624.44
				$8,552.26

GEOCHAMICAL ANALYSIS	SAMPLES		COST/SAMPLE	
Rock samples	47	@	$16.05	$ 754.35
Soil samples	359	@	12.70	4,559.30
				$5,313.65

OFFICE COSTS

SALARIES	MANDAYS		COST/MANDAY	
G. Wesa	20	@	$164.00	$3,280.00
T. Pollock	3	@	185.00	555.00
M. St. Pierre	7	@	150.00	1,050.00
D. Gailey	2	@	116.00	232.00
Maps and Reproductions				35.46
				$5,152.46

TOTAL EXPENDITURES **$31,665.37**

APPENDIX II

SUMMARY OF PERSONNEL

SUMMARY OF PERSONNEL

The following personnel are credited with the field and office work on the BEN property during the 1992 field season:

G. Wesa
S. Pattenden
T. Pollock
T. Bokenfohr
M. St.Pierre

APPENDIX III

ANALYTICAL PROCEDURE

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1
Phone: (604) 984-0221
Telex: 04-352597
Fax: (604) 984-0218

Screening Procedure

Chemex Code: 201

Geochemical samples (soils,silts) are dried at 50 deg C and then sieved through an 80 mesh stainless steel screen. If insufficient material is obtained, the sample is sieved through a 35 mesh screen (code 203) and the -35 mesh material is ring pulverized (code 205).

Crushing

Chemex Code: 274 (0 - 15 lbs)

The entire sample is passed through TM Rhino crusher to yield a crushed product where greater than 60% of the sample passes a -10 mesh screen. A split in the range of 200-350g (weight depends on parameters requested) is then taken using a stainless steel Jones riffle splitter.

Different crushing codes are used depending on the weight of the original sample:

Ring Grinding

Chemex Code: 205 geochemical samples

A crushed sample split is ground using a ring mill pulverizer with a chrome steel ring set. The Chemex specification for this procedure is that greater than 90% of the ground material passes a 150 mesh screen. Grinding with chrome steel will impart trace amounts of iron and chromium to a sample.

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1
Phone: (604) 984-0221
Telex: 04-352597
Fax: (604) 984-0218

Gold

Fire Assay Collection/ Atomic Absorption Spectroscopy (FA-AA)

Chemex Code: 100

A 10g sample is fused with a neutral lead oxide flux inquarted with 6mg of gold-free silver and then cupelled to yield a precious metal bead.

These beads are digested for 30 mins in 0.5ml concentrated nitric acid, then 1.5ml of concentrated hydrochloric acid are added and the mixture is digested for 1 hr. The samples are cooled, diluted to a final volume of 5ml, homogenized and analyzed by atomic absorption spectroscopy.

Detection limit: 5 ppb

Upper Limit: 10,000 ppb

Chemex Labs Ltd.

Analytical Chemists *Geochemists* *Registered Assayers*

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1
Phone: (604) 984-0221
Telex: 04-352597
Fax: (604) 984-0218

32-Element Geochemistry Package (32-ICP)
Inductively-Coupled Plasma-Atomic Emission Spectroscopy (ICP-AES)

A prepared sample (1.0g) is digested with concentrated nitric and aqua regia acids at medium heat for two hours. The acid solution is diluted to 25ml with demineralized water, mixed and analyzed using a Jarrell Ash 1100 plasma spectrometer after calibration with proper standards. The analytical results are corrected for spectral inter-element interferences.

Chemex Codes	Element	Detection Limit	Upper Limit
2119	* Aluminum	0.01 %	15 %
2118	Silver	0.2 ppm	0.02 %
2120	Arsenic	2 ppm	1 %
2121	* Barium	10 ppm	1 %
2122	* Beryllium	0.5 ppm	0.01 %
2123	Bismuth	2 ppm	1 %
2124	* Calcium	0.01 %	15 %
2125	Cadmium	0.5 ppm	0.05 %
2126	Cobalt	1 ppm	1 %
2127	* Chromium	1 ppm	1 %
2128	Copper	1 ppm	1 %
2150	Iron	0.01 %	15 %
2130	* Gallium	10 ppm	1 %
2132	* Potassium	0.01 %	10 %
2151	* Lanthanum	10 ppm	1 %
2134	* Magnesium	0.01 %	15 %
2135	Manganese	5 ppm	1 %
2136	Molybdenum	1 ppm	1 %
2137	* Sodium	0.01 %	10 %
2138	Nickel	1 ppm	1 %
2139	Phosphorus	10 ppm	1 %
2140	Lead	2 ppm	1 %
2141	Antimony	2 ppm	1 %
2143	* Strontium	1 ppm	1 %
2144	* Titanium	0.01 %	10 %
2145	* Thallium	10 ppm	1 %
2146	Uranium	10 ppm	1 %
2147	Vanadium	1 ppm	1 %
2148	* Tungsten	10 ppm	1 %
2149	Zinc	2 ppm	1 %
2131	Mercury	1 ppm	1 %

* Elements for which the digestion is possibly incomplete.

APPENDIX IV

SOIL GEOCHEMICAL LAB REPORTS

Chemex Labs Ltd.

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

3HP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: MEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216655
P.O. Number :
Account : E

CERTIFICATE OF ANALYSIS A9216655

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
LINE A 0+00E	201	202	< 5	0.2	1.69	152	80	< 0.5	2	0.31	< 0.5	5	18	44	4.47	10	< 1	0.08	< 10	0.40	270
LINE A 0+25E	201	202	< 5	0.2	2.62	222	160	< 0.5	< 2	0.37	0.5	10	33	70	3.72	10	< 1	0.07	< 10	0.88	295
LINE A 0+50E	201	202	< 5	1.4	3.15	206	160	< 0.5	4	0.62	< 0.5	14	37	95	3.88	10	< 1	0.12	< 10	1.23	515
LINE A 0+75E	201	202	< 5	4.4	3.01	518	190	< 0.5	< 2	1.17	6.0	20	25	284	3.53	10	2	0.13	20	0.59	800
LINE A 1+00E	201	202	< 5	0.6	1.88	318	180	< 0.5	< 2	0.46	< 0.5	11	27	63	3.75	10	< 1	0.11	< 10	0.63	265
LINE B 0+00E	201	202	< 5	0.6	3.64	380	120	< 0.5	< 2	0.29	< 0.5	12	32	86	4.60	10	< 1	0.09	< 10	0.90	275
LINE B 0+25E	201	202	< 5	0.8	3.18	278	120	< 0.5	< 2	0.48	< 0.5	13	31	52	4.80	10	< 1	0.12	< 10	0.78	420
LINE B 0+50E	201	202	< 5	1.0	2.09	338	140	< 0.5	< 2	0.28	3.0	7	28	43	4.19	10	< 1	0.08	< 10	0.64	215
LINE B 0+75E	201	202	< 5	1.4	1.85	238	110	< 0.5	< 2	0.23	< 0.5	7	25	33	4.15	10	< 1	0.06	< 10	0.56	210
LINE B 1+00E	201	202	< 5	0.2	2.74	130	120	< 0.5	< 2	0.39	< 0.5	13	27	43	3.77	10	< 1	0.08	< 10	0.85	425
LINE C 0+00E	201	202	< 5	0.6	0.74	44	70	< 0.5	< 2	0.10	1.5	2	6	26	2.09	< 10	< 1	0.10	10	0.09	160
LINE C 0+25E	201	202	< 5	0.6	2.27	250	130	< 0.5	< 2	0.20	2.0	9	23	39	4.51	10	< 1	0.06	< 10	0.54	230
LINE C 0+75E	201	202	< 5	4.6	2.91	628	90	< 0.5	< 2	0.49	8.5	28	24	214	4.10	10	< 1	0.05	< 10	0.66	1000
LINE C 1+00E	201	202	< 5	4.2	3.73	546	100	< 0.5	< 2	1.41	3.5	15	35	244	4.14	10	< 1	0.09	10	0.93	765
LINE D 0+00E	201	202	270	9.2	4.25	5000	70	< 0.5	< 2	0.16	4.0	4	17	70	5.95	10	< 1	0.10	< 10	0.26	180
LINE D 0+25E	201	202	< 5	1.4	2.83	742	130	< 0.5	< 2	0.26	2.0	10	18	56	4.19	10	< 1	0.15	< 10	0.71	265
LINE D 0+50E	201	202	< 5	6.8	2.79	382	80	< 0.5	< 2	0.20	< 0.5	19	10	179	4.36	10	< 1	0.10	< 10	0.61	180
LINE D 1+00E	201	202	10	1.6	1.73	538	80	< 0.5	< 2	0.30	0.5	9	20	68	3.75	10	< 1	0.07	< 10	0.53	220
L2600N 5500E	201	202	< 5	< 0.2	3.00	14	70	< 0.5	< 2	0.34	< 0.5	8	18	16	4.40	10	< 1	0.07	< 10	0.86	275
L2600N 5600E	201	202	< 5	< 0.2	2.16	2	80	< 0.5	< 2	0.28	< 0.5	7	24	14	3.73	10	< 1	0.05	< 10	0.57	230
L2600N 5700E	201	202	< 5	< 0.2	3.34	22	100	< 0.5	< 2	0.26	< 0.5	10	26	21	3.89	< 10	< 1	0.05	< 10	0.88	325
L2600N 5800E	201	202	< 5	0.4	4.77	92	120	< 0.5	< 2	0.22	< 0.5	14	33	40	4.85	10	< 1	0.09	< 10	0.95	485
L2600N 5900E	201	202	< 5	< 0.2	2.34	14	80	< 0.5	< 2	0.26	< 0.5	8	24	19	3.68	< 10	< 1	0.05	< 10	0.78	295
L2600N 6000E	201	202	< 5	< 0.2	3.89	42	160	< 0.5	< 2	0.26	< 0.5	14	35	30	4.54	10	< 1	0.08	< 10	1.03	425
L2600N 6100E	201	202	< 5	0.4	3.65	26	130	< 0.5	< 2	0.17	< 0.5	7	27	27	4.22	10	< 1	0.07	< 10	0.64	220
L2600N 6200E	201	202	< 5	0.2	5.26	16	150	< 0.5	< 2	0.11	< 0.5	9	31	53	5.88	10	< 1	0.08	< 10	0.81	260
L2600N 6300E	201	202	< 5	0.2	3.59	20	190	< 0.5	< 2	0.24	< 0.5	13	25	35	3.52	< 10	< 1	0.08	< 10	0.84	295
L2600N 6400E	201	202	< 5	< 0.2	4.52	20	160	< 0.5	< 2	0.31	< 0.5	14	31	33	4.40	10	1	0.08	< 10	0.84	335
L2600N 6500E	201	202	< 5	< 0.2	3.26	28	140	< 0.5	< 2	0.27	< 0.5	12	30	31	4.10	10	< 1	0.08	< 10	0.86	305
L2600N 6600E	201	202	< 5	< 0.2	4.07	26	230	< 0.5	< 2	0.25	< 0.5	12	31	52	4.58	10	< 1	0.09	< 10	0.97	340
L2600N 6700E	201	202	< 5	< 0.2	3.55	30	150	< 0.5	< 2	0.31	< 0.5	12	28	31	3.84	10	< 1	0.09	< 10	0.91	310
L2600N 6800E	201	202	< 5	0.6	3.81	62	150	< 0.5	< 2	0.29	< 0.5	15	37	37	4.75	10	< 1	0.10	< 10	1.09	390
L2600N 6900E	201	202	< 5	0.4	3.19	16	100	< 0.5	< 2	0.21	< 0.5	7	31	24	3.81	10	1	0.09	< 10	0.69	270
L2600N 7000E	201	202	< 5	< 0.2	4.19	66	150	< 0.5	< 2	0.28	< 0.5	10	55	33	4.63	10	< 1	0.10	< 10	0.94	310
L2600N 7100E	201	202	< 5	0.8	4.38	60	150	< 0.5	< 2	0.52	< 0.5	15	45	40	4.52	10	< 1	0.13	< 10	1.14	330
L2600N 7300E	201	202	< 5	< 0.2	2.36	50	110	< 0.5	< 2	0.25	< 0.5	6	32	25	3.59	10	< 1	0.08	< 10	0.58	210
L2600N 7400E	201	202	< 5	< 0.2	3.08	< 2	80	< 0.5	< 2	0.61	< 0.5	29	261	55	5.69	10	< 1	0.13	< 10	2.50	400
L2600N 7500E	201	202	< 5	< 0.2	3.36	36	140	< 0.5	< 2	0.33	< 0.5	15	26	42	4.30	10	< 1	0.07	< 10	0.79	505
L2600N 7600E	201	202	< 5	< 0.2	3.50	40	140	< 0.5	< 2	0.50	< 0.5	15	28	47	4.42	10	< 1	0.15	< 10	1.04	450
L2600N 7700E	201	202	< 5	0.2	3.42	38	140	< 0.5	< 2	0.56	< 0.5	16	24	42	4.30	10	< 1	0.12	< 10	0.94	580

CERTIFICATION: [signature]

Chemex Labs Ltd.

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

BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: MEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216655
P.O. Number :
Account :E

CERTIFICATE OF ANALYSIS A9216655

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
LINE A 0+00E	201	202	15	0.01	7	720	26	8	4	18	0.17	< 10	< 10	123	10	114
LINE A 0+25E	201	202	9	0.01	25	360	20	4	7	28	0.19	< 10	< 10	113	< 10	220
LINE A 0+50E	201	202	5	0.02	24	280	18	4	10	42	0.20	< 10	< 10	109	10	332
LINE A 0+75E	201	202	7	0.01	28	660	62	6	6	90	0.10	< 10	< 10	81	10	288
LINE A 1+00E	201	202	11	0.01	15	760	14	4	6	38	0.20	< 10	< 10	109	< 10	230
LINE B 0+00E	201	202	9	0.01	21	890	36	4	8	24	0.20	< 10	< 10	122	< 10	286
LINE B 0+25E	201	202	9	0.01	15	700	36	2	7	34	0.22	< 10	< 10	133	< 10	290
LINE B 0+50E	201	202	7	0.01	13	570	44	8	6	22	0.19	< 10	< 10	120	< 10	256
LINE B 0+75E	201	202	9	0.01	11	630	34	6	5	20	0.19	< 10	< 10	130	< 10	172
LINE B 1+00E	201	202	5	0.01	18	400	28	6	6	30	0.17	< 10	< 10	98	< 10	184
LINE C 0+00E	201	202	4	< 0.01	2	290	40	4	2	10	0.12	< 10	< 10	51	< 10	100
LINE C 0+25E	201	202	9	0.01	11	620	66	10	5	19	0.20	< 10	< 10	126	< 10	256
LINE C 0+75E	201	202	6	0.01	18	490	138	16	5	37	0.12	< 10	< 10	91	< 10	724
LINE C 1+00E	201	202	3	0.04	38	1270	46	8	10	67	0.12	< 10	< 10	97	< 10	272
LINE D 0+00E	201	202	3	< 0.01	6	1820	230	40	5	20	0.10	< 10	< 10	79	< 10	346
LINE D 0+25E	201	202	3	0.01	11	730	118	8	6	29	0.18	< 10	< 10	111	< 10	412
LINE D 0+50E	201	202	6	0.01	12	390	478	60	5	18	0.20	< 10	< 10	150	< 10	314
LINE D 1+00E	201	202	10	0.01	9	370	98	10	6	28	0.23	< 10	< 10	119	< 10	166
L2600N 5500E	201	202	< 1	0.01	9	1190	8	2	5	26	0.17	< 10	< 10	111	< 10	68
L2600N 5600E	201	202	< 1	0.01	10	1170	4	2	5	24	0.17	< 10	< 10	98	< 10	50
L2600N 5700E	201	202	1	0.01	19	1130	< 2	2	5	20	0.15	< 10	< 10	93	< 10	108
L2600N 5800E	201	202	15	0.01	43	1320	2	4	13	20	0.16	< 10	< 10	283	< 10	514
L2600N 5900E	201	202	< 1	< 0.01	13	800	< 2	2	5	20	0.15	< 10	< 10	93	< 10	90
L2600N 6000E	201	202	2	0.01	22	1340	4	2	8	27	0.16	< 10	< 10	130	< 10	208
L2600N 6100E	201	202	2	0.01	11	930	10	2	7	21	0.17	< 10	< 10	128	< 10	134
L2600N 6200E	201	202	2	0.01	18	1770	12	< 2	8	23	0.12	< 10	< 10	118	< 10	138
L2600N 6300E	201	202	1	0.01	23	890	6	4	6	28	0.14	< 10	< 10	91	< 10	132
L2600N 6400E	201	202	4	0.01	27	1110	10	< 2	8	32	0.17	< 10	< 10	123	< 10	104
L2600N 6500E	201	202	2	0.01	23	480	2	2	7	30	0.18	< 10	< 10	114	< 10	100
L2600N 6600E	201	202	5	0.01	28	600	4	6	8	34	0.16	< 10	< 10	115	< 10	84
L2600N 6700E	201	202	2	0.01	20	700	8	< 2	6	28	0.15	< 10	< 10	101	< 10	76
L2600N 6800E	201	202	3	0.01	27	670	10	4	8	30	0.23	< 10	< 10	139	< 10	106
L2600N 6900E	201	202	1	0.01	13	1250	14	4	7	20	0.17	< 10	< 10	107	< 10	120
L2600N 7000E	201	202	2	0.02	25	1010	2	4	8	33	0.25	< 10	< 10	157	< 10	120
L2600N 7100E	201	202	2	0.02	26	1100	4	2	8	61	0.24	< 10	< 10	132	< 10	162
L2600N 7300E	201	202	5	0.01	14	380	4	2	5	26	0.23	< 10	< 10	123	< 10	102
L2600N 7400E	201	202	< 1	0.06	73	960	2	4	4	48	0.20	< 10	< 10	156	< 10	64
L2600N 7500E	201	202	1	0.01	17	350	4	4	6	24	0.19	< 10	< 10	118	< 10	90
L2600N 7600E	201	202	3	0.01	24	500	2	4	7	39	0.18	< 10	< 10	119	< 10	108
L2600N 7700E	201	202	2	0.02	21	470	4	6	7	39	0.18	< 10	< 10	119	< 10	142

CERTIFICATION: Thai D Ma

Chemex Labs Ltd.

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

To: BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: MEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. :19216655
P.O. Number :
Account :E

CERTIFICATE OF ANALYSIS A9216655

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L2700N 5500E	201	202	< 5	< 0.2	1.73	8	80	< 0.5	< 2	0.59	< 0.5	6	20	17	2.83	< 10	1	0.06	< 10	0.59	245
L2700N 5600E	201	202	< 5	< 0.2	4.07	44	110	< 0.5	< 2	0.26	< 0.5	15	30	34	4.32	10	< 1	0.08	< 10	0.83	350
L2800N 5500E	201	202	< 5	< 0.2	3.10	14	140	< 0.5	< 2	0.26	< 0.5	11	27	33	3.90	10	< 1	0.06	< 10	1.00	290
L2800N 5600E	201	202	< 5	< 0.2	2.71	14	100	< 0.5	< 2	0.27	< 0.5	9	25	23	3.94	10	< 1	0.09	< 10	0.80	315
L2800N 5700E	201	202	< 5	< 0.2	3.36	26	150	< 0.5	< 2	0.38	< 0.5	12	28	37	4.07	10	< 1	0.08	< 10	1.22	480
L2800N 5800E	201	202	< 5	< 0.2	3.56	30	150	< 0.5	< 2	0.37	< 0.5	14	30	31	4.33	10	< 1	0.08	< 10	1.00	480
L2800N 5900E	201	202	< 5	< 0.2	2.51	16	110	< 0.5	< 2	0.36	< 0.5	7	24	21	3.80	10	< 1	0.06	< 10	0.74	280
L2800N 6000E	201	202	< 5	< 0.2	3.54	32	120	< 0.5	< 2	0.26	< 0.5	11	27	28	4.88	10	< 1	0.07	< 10	0.84	340
L2800N 6100E	201	202	< 5	0.2	2.67	52	110	< 0.5	2	0.61	< 0.5	9	26	49	3.66	10	< 1	0.07	10	0.66	325
L2800N 6300E	201	202	< 5	0.2	2.57	14	120	< 0.5	< 2	0.49	< 0.5	9	24	25	3.37	10	< 1	0.08	< 10	1.14	325
L2800N 6400E	201	202	< 5	< 0.2	2.59	18	100	< 0.5	< 2	0.22	< 0.5	8	22	19	4.22	10	< 1	0.04	< 10	0.63	280
L2800N 6500E	201	202	< 5	< 0.2	4.47	34	210	< 0.5	< 2	0.22	< 0.5	17	31	48	4.71	10	< 1	0.10	< 10	1.20	360
L2800N 6600E	201	202	< 5	< 0.2	4.10	44	190	< 0.5	< 2	0.27	< 0.5	23	32	60	4.61	10	< 1	0.10	< 10	1.20	350
L2800N 6700E	201	202	< 5	< 0.2	3.69	26	120	< 0.5	< 2	0.26	< 0.5	14	47	37	4.20	10	< 1	0.10	< 10	0.93	330
L2800N 6800E	201	202	< 5	< 0.2	2.99	18	120	< 0.5	< 2	0.21	< 0.5	19	23	97	5.82	10	1	0.08	< 10	0.73	510
L2800N 6900E	201	202	< 5	< 0.2	2.69	40	100	< 0.5	< 2	0.24	< 0.5	13	28	24	4.22	10	< 1	0.09	< 10	0.83	300
L2800N 7000E	201	202	< 5	< 0.2	3.36	34	160	< 0.5	2	0.35	< 0.5	15	26	37	4.56	< 10	< 1	0.10	< 10	1.07	485
L2800N 7100E	201	202	< 5	0.2	2.95	26	100	< 0.5	< 2	0.21	< 0.5	15	21	23	4.19	< 10	1	0.10	< 10	0.79	370
L2800N 7200E	201	202	< 5	< 0.2	3.25	12	120	< 0.5	< 2	0.39	< 0.5	18	22	28	4.08	< 10	< 1	0.18	< 10	0.90	485
L2800N 7300E	201	202	< 5	< 0.2	3.51	102	180	< 0.5	6	0.40	< 0.5	15	23	89	4.09	< 10	1	0.14	< 10	0.96	495
L2800N 7400E	201	202	< 5	< 0.2	3.39	36	180	< 0.5	< 2	0.65	< 0.5	20	45	40	4.93	< 10	< 1	0.14	< 10	1.18	610
L2800N 7500E	201	202	< 5	0.2	2.66	20	120	< 0.5	4	0.49	< 0.5	12	22	30	3.57	< 10	1	0.11	< 10	0.95	380
L2800N 7600E	201	202	< 5	< 0.2	2.36	20	100	< 0.5	< 2	0.25	< 0.5	10	19	16	3.75	< 10	2	0.07	< 10	0.62	355
L2800N 7700E	201	202	< 5	< 0.2	3.61	42	150	< 0.5	< 2	0.34	3.5	23	23	36	5.16	< 10	3	0.11	< 10	0.85	1300
L2900N 5500E	201	202	< 5	< 0.2	3.36	8	120	< 0.5	< 2	0.32	< 0.5	13	16	22	4.28	< 10	3	0.05	< 10	1.10	440
L2900N 5600E	201	202	< 5	0.2	2.95	6	130	< 0.5	< 2	0.41	< 0.5	10	27	21	4.61	< 10	< 1	0.07	< 10	1.09	350
L2900N 5700E	201	202	< 5	< 0.2	2.62	20	90	< 0.5	2	0.28	< 0.5	10	21	20	3.74	< 10	< 1	0.05	< 10	0.78	390
L2900N 5800E	201	202	< 5	0.2	2.81	28	110	< 0.5	< 2	0.37	0.5	8	21	27	4.61	< 10	< 1	0.07	< 10	0.75	290
L2900N 5900E	201	202	< 5	0.2	3.04	24	130	< 0.5	2	0.64	< 0.5	14	25	27	4.07	< 10	1	0.09	< 10	1.03	625
L2900N 6000E	201	202	< 5	< 0.2	2.92	12	150	< 0.5	4	0.45	< 0.5	15	27	33	3.88	< 10	< 1	0.08	10	0.89	795
L2900N 6100E	201	202	< 5	0.2	3.75	46	130	< 0.5	< 2	0.68	< 0.5	12	27	32	4.35	< 10	3	0.08	< 10	0.91	290
L2900N 6200E	201	202	< 5	0.4	4.27	74	220	< 0.5	4	1.44	< 0.5	17	74	64	4.57	< 10	1	0.27	10	1.14	865
L2900N 6300E	201	202	< 5	0.2	4.27	36	230	< 0.5	2	0.88	< 0.5	20	53	56	4.85	10	1	0.25	10	1.32	965
L2900N 6400E	201	202	< 5	0.4	3.62	26	140	< 0.5	< 2	0.43	< 0.5	12	29	34	4.00	< 10	< 1	0.09	< 10	1.12	400
L2900N 6500E	201	202	< 5	0.2	3.78	50	130	< 0.5	< 2	0.35	< 0.5	11	27	36	4.06	< 10	3	0.07	< 10	0.95	355
L3000N 4600E	201	202	< 5	< 0.2	6.20	10	140	< 0.5	2	0.38	< 0.5	18	20	52	5.67	< 10	1	0.08	< 10	1.99	435
L3000N 4700E	201	202	< 5	< 0.2	2.39	22	90	< 0.5	< 2	0.28	< 0.5	8	22	20	3.85	< 10	< 1	0.05	< 10	0.83	310
L3000N 4800E	201	202	< 5	< 0.2	3.03	18	110	< 0.5	< 2	0.22	< 0.5	7	29	21	3.88	< 10	< 1	0.05	< 10	0.75	230
L3000N 4900E	201	202	< 5	< 0.2	2.68	30	150	< 0.5	2	0.49	< 0.5	11	24	35	3.55	< 10	2	0.05	< 10	0.88	555
L3000N 5000E	201	202	< 5	< 0.2	2.05	26	100	< 0.5	2	0.26	< 0.5	6	19	19	3.37	< 10	< 1	0.04	< 10	0.57	220

CERTIFICATION: [signature]

Chemex Labs Ltd.

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

BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: MEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216655
P.O. Number :
Account : E

CERTIFICATE OF ANALYSIS A9216655

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L2700N 5500E	201	202	1	0.01	9	200	4	2	4	48	0.14	< 10	< 10	83	< 10	58
L2700N 5600E	201	202	3	0.01	27	1550	8	2	6	26	0.15	< 10	< 10	104	< 10	114
L2800N 5500E	201	202	1	0.01	17	870	4	4	8	23	0.16	< 10	< 10	113	< 10	90
L2800N 5600E	201	202	< 1	0.01	12	640	8	4	6	26	0.18	< 10	< 10	115	< 10	82
L2800N 5700E	201	202	1	0.01	18	720	2	6	8	30	0.17	< 10	< 10	106	< 10	86
L2800N 5800E	201	202	< 1	0.01	17	1050	8	4	8	36	0.17	< 10	< 10	109	< 10	120
L2800N 5900E	201	202	< 1	0.01	11	1010	2	4	6	29	0.17	< 10	< 10	103	< 10	72
L2800N 6000E	201	202	3	0.02	16	900	6	2	8	28	0.20	< 10	< 10	127	< 10	196
L2800N 6100E	201	202	2	0.01	23	260	10	2	6	42	0.12	< 10	< 10	91	< 10	112
L2800N 6300E	201	202	1	0.01	14	360	4	4	7	43	0.18	< 10	< 10	108	< 10	86
L2800N 6400E	201	202	2	< 0.01	15	820	< 2	4	5	18	0.14	< 10	< 10	107	< 10	110
L2800N 6500E	201	202	2	0.01	30	680	6	2	8	28	0.18	< 10	< 10	118	< 10	86
L2800N 6600E	201	202	4	0.01	46	420	2	4	7	37	0.18	< 10	< 10	113	< 10	82
L2800N 6700E	201	202	4	0.01	41	460	2	4	7	22	0.23	< 10	< 10	128	< 10	124
L2800N 6800E	201	202	3	0.01	20	980	4	2	6	19	0.19	< 10	< 10	112	< 10	132
L2800N 6900E	201	202	2	0.01	19	500	2	6	6	25	0.18	< 10	< 10	113	< 10	108
L2800N 7000E	201	202	2	0.01	21	690	10	4	7	44	0.17	< 10	< 10	123	< 10	110
L2800N 7100E	201	202	1	0.01	14	650	6	2	6	16	0.15	< 10	< 10	105	< 10	112
L2800N 7200E	201	202	2	0.01	20	620	4	4	6	38	0.16	< 10	< 10	101	< 10	164
L2800N 7300E	201	202	17	0.01	15	350	6	4	7	34	0.15	< 10	< 10	110	< 10	108
L2800N 7400E	201	202	2	0.02	30	750	6	4	8	63	0.21	< 10	< 10	131	< 10	230
L2800N 7500E	201	202	2	0.01	13	320	6	2	7	35	0.19	< 10	< 10	99	< 10	102
L2800N 7600E	201	202	3	0.01	13	440	10	2	5	22	0.16	< 10	< 10	106	< 10	286
L2800N 7700E	201	202	7	0.01	37	520	6	4	8	27	0.18	< 10	< 10	139	< 10	926
L2900N 5500E	201	202	< 1	0.01	13	1060	8	2	6	32	0.18	< 10	< 10	97	< 10	100
L2900N 5600E	201	202	1	0.01	13	950	4	2	8	32	0.20	< 10	< 10	133	< 10	94
L2900N 5700E	201	202	2	0.01	11	430	10	4	5	22	0.16	< 10	< 10	98	< 10	92
L2900N 5800E	201	202	7	0.01	14	400	10	4	6	30	0.20	< 10	< 10	130	< 10	214
L2900N 5900E	201	202	1	0.01	14	560	2	4	8	40	0.18	< 10	< 10	109	< 10	170
L2900N 6000E	201	202	2	0.01	16	300	6	4	7	34	0.16	< 10	< 10	107	< 10	112
L2900N 6100E	201	202	3	0.02	17	460	6	2	8	47	0.19	< 10	< 10	120	< 10	146
L2900N 6200E	201	202	2	0.06	30	500	12	4	10	92	0.15	< 10	< 10	111	< 10	154
L2900N 6300E	201	202	3	0.05	24	380	14	4	10	87	0.16	< 10	< 10	132	< 10	122
L2900N 6400E	201	202	2	0.01	19	440	8	2	8	44	0.19	< 10	< 10	106	< 10	96
L2900N 6500E	201	202	2	0.01	19	830	10	4	8	32	0.18	< 10	< 10	105	< 10	84
L3000N 4600E	201	202	< 1	0.05	14	550	10	2	16	28	0.29	< 10	< 10	176	< 10	84
L3000N 4700E	201	202	1	0.01	10	480	2	4	6	26	0.16	< 10	< 10	101	< 10	82
L3000N 4800E	201	202	2	0.01	14	1000	8	2	6	19	0.14	< 10	< 10	111	< 10	120
L3000N 4900E	201	202	1	0.01	15	270	6	2	7	39	0.15	< 10	< 10	98	< 10	116
L3000N 5000E	201	202	< 1	< 0.01	10	360	10	4	4	26	0.14	< 10	< 10	90	< 10	56

CERTIFICATION:

Chemex Labs Ltd.

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

To: BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: MEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216655
P.O. Number :
Account : E

CERTIFICATE OF ANALYSIS A9216655

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L3000N 5100E	201	202	< 5	< 0.2	2.15	16	90	< 0.5	2	0.51	< 0.5	7	23	18	3.50	< 10	1	0.05	< 10	0.68	245
L3000N 5200E	201	202	< 5	< 0.2	2.48	12	90	< 0.5	< 2	0.29	< 0.5	7	18	18	3.64	< 10	< 1	0.05	< 10	0.79	270
L3000N 5300E	201	202	< 5	< 0.2	2.56	12	100	< 0.5	< 2	0.25	< 0.5	6	19	16	3.87	< 10	< 1	0.04	< 10	0.77	265
L3000N 5400E	201	202	< 5	< 0.2	2.43	22	90	< 0.5	< 2	0.30	< 0.5	8	20	15	4.34	< 10	< 1	0.06	< 10	0.83	325
L3000N 5500E	201	202	< 5	< 0.2	2.28	22	60	< 0.5	2	0.19	< 0.5	6	18	15	3.93	< 10	< 1	0.05	< 10	0.56	230
L3000N 5550E	201	202	< 5	< 0.2	4.40	2	110	< 0.5	2	0.32	< 0.5	13	28	49	4.42	< 10	1	0.06	< 10	1.08	375
L3000N 5600E	201	202	< 5	< 0.2	4.81	36	110	< 0.5	2	0.23	< 0.5	15	23	41	5.06	< 10	1	0.10	< 10	1.24	450
L3000N 5650E	201	202	< 5	< 0.2	3.21	30	70	< 0.5	2	0.23	< 0.5	6	21	17	4.36	10	< 1	0.06	< 10	0.64	275
L3000N 5700E	201	202	< 5	< 0.2	2.85	14	110	< 0.5	2	0.40	< 0.5	10	22	19	3.70	< 10	< 1	0.06	< 10	0.89	425
L3000N 5750E	201	202	< 5	< 0.2	2.70	10	80	< 0.5	2	0.27	< 0.5	8	22	19	3.80	< 10	< 1	0.07	< 10	0.82	325
L3000N 5800E	201	202	< 5	0.2	4.02	22	120	< 0.5	2	0.39	< 0.5	17	25	60	4.82	10	1	0.09	< 10	0.79	440
L3000N 5850E	201	202	< 5	< 0.2	2.01	16	80	< 0.5	< 2	0.29	< 0.5	7	18	19	3.39	< 10	1	0.05	< 10	0.71	270
L3000N 5900E	201	202	< 5	0.2	2.73	28	90	< 0.5	< 2	0.23	< 0.5	6	27	21	4.14	< 10	< 1	0.08	< 10	0.67	235
L3000N 5950E	201	202	< 5	0.2	2.99	20	180	< 0.5	2	0.89	< 0.5	13	29	56	3.85	< 10	< 1	0.12	10	1.08	695
L3000N 6000E	201	202	< 5	0.2	3.18	< 2	130	< 0.5	2	0.86	< 0.5	24	42	44	4.74	10	< 1	0.06	< 10	0.66	560
L3000N 6050E	201	202	< 5	1.0	3.64	930	150	< 0.5	< 2	1.04	< 0.5	26	64	189	5.97	10	1	0.18	10	1.19	600
L3000N 6100E	201	202	< 5	0.6	4.31	44	190	< 0.5	6	0.98	< 0.5	15	28	75	4.47	< 10	1	0.18	< 10	1.05	535
L3000N 6150E	201	202	< 5	0.8	3.95	32	200	< 0.5	< 2	1.41	< 0.5	17	35	90	4.80	10	2	0.14	< 10	0.98	1145
L3000N 6200E	201	202	< 5	0.4	2.23	26	110	< 0.5	< 2	0.26	< 0.5	5	24	19	3.76	< 10	< 1	0.07	< 10	0.76	240
L3000N 6250E	201	202	< 5	0.2	3.12	72	120	< 0.5	< 2	0.52	< 0.5	12	27	44	3.88	< 10	1	0.06	10	0.77	400
L3000N 6300E	201	202	< 5	< 0.2	2.55	34	80	< 0.5	< 2	0.33	< 0.5	7	21	21	3.90	< 10	< 1	0.07	< 10	0.80	285
L3000N 6350E	201	202	< 5	0.4	2.32	88	100	< 0.5	< 2	0.44	< 0.5	10	26	22	3.44	< 10	< 1	0.06	< 10	0.82	395
L3000N 6400E	201	202	< 5	1.0	2.64	330	170	< 0.5	< 2	1.42	7.0	14	28	29	3.34	< 10	1	0.10	< 10	0.78	2190
L3000N 6450E	201	202	< 5	0.4	3.54	30	120	< 0.5	< 2	0.56	< 0.5	14	22	21	3.83	< 10	< 1	0.07	< 10	1.56	810
L3000N 6500E	201	202	< 5	0.4	2.38	26	110	< 0.5	< 2	0.27	< 0.5	9	22	19	3.30	< 10	2	0.06	< 10	0.65	265
L3000N 6550E	201	202	< 5	0.2	2.94	42	100	< 0.5	< 2	0.26	< 0.5	11	24	23	3.40	< 10	3	0.07	< 10	0.87	295
L3000N 6600E	201	202	< 5	0.2	3.03	16	120	< 0.5	2	0.11	< 0.5	4	57	33	4.68	< 10	< 1	0.10	< 10	0.72	165
L3000N 6650E	201	202	< 5	0.4	2.57	12	70	< 0.5	< 2	0.21	< 0.5	10	17	49	4.28	10	< 1	0.06	< 10	0.43	260
L3000N 6700E	201	202	< 5	< 0.2	2.66	32	100	< 0.5	2	0.29	< 0.5	11	23	31	3.80	< 10	< 1	0.08	< 10	0.67	410
L3000N 6750E	201	202	< 5	0.2	3.47	16	80	< 0.5	< 2	0.28	< 0.5	11	7	32	3.97	10	3	0.12	< 10	0.58	530
L3000N 6800E	201	202	< 5	< 0.2	3.26	8	80	< 0.5	< 2	0.23	< 0.5	17	23	21	5.70	10	< 1	0.07	< 10	1.29	275
L3000N 6850E	201	202	< 5	< 0.2	3.29	6	90	< 0.5	10	0.23	< 0.5	9	10	25	4.24	10	< 1	0.08	< 10	0.52	510
L3000N 6900E	201	202	< 5	< 0.2	2.74	20	70	< 0.5	< 2	0.14	< 0.5	7	22	29	3.61	10	< 1	0.06	< 10	0.85	285
L3000N 7000E	201	202	< 5	0.2	1.51	10	40	< 0.5	2	0.19	< 0.5	3	11	21	3.69	10	1	0.06	< 10	0.28	200
L3000N 7100E	201	202	< 5	0.2	2.99	52	110	< 0.5	< 2	0.29	< 0.5	8	31	29	4.71	10	1	0.07	< 10	0.84	280
L3000N 7200E	201	202	< 5	0.2	2.60	22	90	< 0.5	2	0.28	< 0.5	9	19	34	4.11	10	3	0.08	< 10	0.49	210
L3000N 7300E	201	202	< 5	0.2	3.20	44	150	< 0.5	2	0.40	< 0.5	15	23	42	4.26	10	1	0.12	< 10	0.85	400
L3000N 7400E	201	202	< 5	0.2	2.71	32	110	< 0.5	2	0.37	< 0.5	12	22	24	4.36	10	< 1	0.11	< 10	0.71	350
L3000N 7500EA	201	202	< 5	< 0.2	2.74	36	100	< 0.5	< 2	0.31	< 0.5	12	22	27	4.16	10	2	0.11	< 10	0.78	270
L3000N 7500EB	201	202	< 5	< 0.2	4.15	32	110	< 0.5	< 2	0.32	< 0.5	16	22	50	4.73	10	< 1	0.08	< 10	0.85	365

CERTIFICATION: Thai D'Ma

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

BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: MEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216655
P.O. Number :
Account : E

CERTIFICATE OF ANALYSIS A9216655

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L3000N 5100E	201	202	< 1	0.01	11	270	10	< 2	5	40	0.17	< 10	< 10	95	< 10	52
L3000N 5200E	201	202	1	0.01	10	520	12	4	6	23	0.17	< 10	< 10	97	< 10	82
L3000N 5300E	201	202	1	0.01	7	420	6	4	6	23	0.24	< 10	< 10	135	< 10	50
L3000N 5400E	201	202	1	0.01	8	380	< 2	2	6	34	0.23	< 10	< 10	125	< 10	60
L3000N 5500E	201	202	< 1	< 0.01	7	440	8	4	5	19	0.18	< 10	< 10	115	< 10	52
L3000N 5550E	201	202	< 1	0.01	16	1190	10	2	8	29	0.19	< 10	< 10	122	< 10	86
L3000N 5600E	201	202	2	0.01	18	810	8	4	8	26	0.17	< 10	< 10	100	< 10	130
L3000N 5650E	201	202	1	0.01	8	1200	8	2	8	21	0.19	< 10	< 10	110	< 10	84
L3000N 5700E	201	202	1	0.01	11	890	6	4	7	32	0.18	< 10	< 10	98	< 10	96
L3000N 5750E	201	202	1	0.01	10	1190	2	4	6	22	0.16	< 10	< 10	101	< 10	86
L3000N 5800E	201	202	6	0.02	24	1230	8	2	4	45	0.14	< 10	< 10	98	< 10	104
L3000N 5850E	201	202	1	0.01	8	690	10	2	5	23	0.15	< 10	< 10	94	< 10	56
L3000N 5900E	201	202	1	0.01	9	1210	12	4	6	22	0.19	< 10	< 10	122	< 10	88
L3000N 5950E	201	202	1	0.02	17	390	8	4	8	54	0.17	< 10	< 10	105	< 10	100
L3000N 6000E	201	202	3	0.02	33	800	4	2	6	81	0.16	< 10	< 10	103	< 10	294
L3000N 6050E	201	202	3	0.02	95	1110	14	4	11	74	0.17	< 10	< 10	117	< 10	300
L3000N 6100E	201	202	2	0.03	37	580	8	< 2	10	78	0.16	< 10	< 10	107	< 10	122
L3000N 6150E	201	202	2	0.02	33	470	12	4	10	91	0.14	< 10	< 10	105	< 10	182
L3000N 6200E	201	202	1	0.01	9	1010	8	2	7	25	0.17	< 10	< 10	123	< 10	114
L3000N 6250E	201	202	1	0.02	18	260	4	2	8	42	0.18	< 10	< 10	103	< 10	106
L3000N 6300E	201	202	1	0.01	10	1120	2	2	6	26	0.18	< 10	< 10	111	< 10	86
L3000N 6350E	201	202	2	0.01	10	310	22	4	6	41	0.22	< 10	< 10	114	< 10	222
L3000N 6400E	201	202	3	0.02	33	350	10	6	5	77	0.11	< 10	< 10	80	< 10	356
L3000N 6450E	201	202	4	0.02	14	460	6	2	9	32	0.25	< 10	< 10	99	< 10	194
L3000N 6500E	201	202	1	0.01	13	500	6	< 2	5	24	0.16	< 10	< 10	97	< 10	88
L3000N 6550E	201	202	1	0.01	16	580	8	2	5	22	0.16	< 10	< 10	88	< 10	100
L3000N 6600E	201	202	8	0.01	14	820	10	6	9	30	0.19	< 10	< 10	133	< 10	156
L3000N 6650E	201	202	1	0.01	6	1240	6	4	5	16	0.14	< 10	< 10	102	< 10	140
L3000N 6700E	201	202	2	0.01	11	390	10	2	6	24	0.20	< 10	< 10	111	< 10	106
L3000N 6750E	201	202	1	0.03	2	490	14	4	5	18	0.19	< 10	< 10	96	< 10	162
L3000N 6800E	201	202	< 1	0.02	7	500	< 2	4	13	17	0.21	< 10	< 10	166	10	90
L3000N 6850E	201	202	1	< 0.01	5	1570	8	4	4	20	0.11	< 10	< 10	75	10	170
L3000N 6900E	201	202	2	0.01	11	310	16	4	6	12	0.17	< 10	< 10	106	< 10	66
L3000N 7000E	201	202	1	0.01	3	550	8	4	4	10	0.20	< 10	< 10	114	< 10	60
L3000N 7100E	201	202	1	0.01	14	1160	4	4	7	23	0.18	< 10	< 10	138	10	90
L3000N 7200E	201	202	1	0.01	8	530	6	4	5	18	0.20	< 10	< 10	116	10	80
L3000N 7300E	201	202	3	0.02	14	760	8	< 2	8	26	0.21	< 10	< 10	118	10	120
L3000N 7400E	201	202	1	0.02	11	450	14	4	7	20	0.23	< 10	< 10	130	10	174
L3000N 7500EA	201	202	1	0.01	12	450	8	4	7	21	0.23	< 10	< 10	125	10	88
L3000N 7500EB	201	202	3	0.02	17	730	8	2	8	22	0.20	< 10	< 10	115	10	164

CERTIFICATION: Hai D'Ma

Chemex Labs Ltd.

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

BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: MEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216655
P.O. Number :
Account :E

CERTIFICATE OF ANALYSIS A9216655

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L3000N 7600E	201	202	< 5	< 0.2	3.98	36	120	< 0.5	4	0.27	< 0.5	14	23	30	4.63	10	< 1	0.08	< 10	0.87	355
L3000N 7700E	201	202	< 5	< 0.2	3.22	22	170	< 0.5	4	0.47	< 0.5	17	27	40	4.33	10	< 1	0.13	< 10	1.04	665
L3100N 4600E	201	202	< 5	< 0.2	5.54	8	180	< 0.5	2	0.76	< 0.5	29	21	63	5.60	10	< 1	0.04	< 10	1.35	920
L3100N 4700E	201	202	< 5	< 0.2	2.84	40	90	< 0.5	< 2	0.35	< 0.5	9	23	24	4.33	< 10	< 1	0.07	< 10	0.94	335
L3100N 4800E	201	202	< 5	< 0.2	2.68	24	220	< 0.5	4	0.46	< 0.5	12	27	41	3.79	< 10	1	0.10	10	1.12	705
L3100N 4900E	201	202	< 5	< 0.2	2.12	24	90	< 0.5	4	0.21	< 0.5	5	25	16	3.50	10	< 1	0.07	< 10	0.69	340
L3100N 5000E	201	202	< 5	0.2	3.30	24	250	< 0.5	< 2	1.01	< 0.5	10	28	56	3.85	10	1	0.10	10	1.04	810
L3100N 5100E	201	202	< 5	< 0.2	2.66	20	100	< 0.5	< 2	0.44	< 0.5	9	23	26	3.85	10	1	0.07	< 10	0.91	300
L3100N 5200E	201	202	< 5	< 0.2	4.59	18	120	< 0.5	2	0.26	< 0.5	11	20	51	4.56	10	3	0.09	< 10	0.56	355
L3100N 5300E	201	202	< 5	0.2	3.08	28	110	< 0.5	< 2	0.36	< 0.5	9	23	26	4.20	10	< 1	0.08	< 10	0.92	315
L3100N 5350E	201	202	< 5	0.2	2.43	< 2	110	< 0.5	< 2	0.36	< 0.5	12	32	38	3.45	< 10	< 1	0.06	< 10	0.72	465
L3100N 5400E	201	202	< 5	< 0.2	2.26	16	60	< 0.5	< 2	0.13	< 0.5	7	25	20	4.43	< 10	< 1	0.05	< 10	0.65	260
L3100N 5450E	201	202	< 5	< 0.2	3.70	12	100	< 0.5	< 2	0.37	< 0.5	15	29	41	4.20	< 10	1	0.06	< 10	1.26	295
L3100N 5500E	201	202	< 5	< 0.2	3.35	22	90	< 0.5	< 2	0.52	< 0.5	16	35	35	4.51	< 10	2	0.08	< 10	1.19	365
L3100N 5550E	201	202	< 5	< 0.2	2.80	14	150	< 0.5	4	0.09	< 0.5	3	15	15	4.24	10	< 1	0.13	< 10	0.84	235
L3100N 5600E	201	202	< 5	< 0.2	4.76	172	120	< 0.5	< 2	0.42	< 0.5	20	26	53	5.34	10	2	0.09	< 10	0.94	755
L3100N 5650E	201	202	< 5	< 0.2	2.65	12	100	< 0.5	< 2	0.18	< 0.5	8	20	26	5.23	10	< 1	0.12	10	0.71	320
L3100N 5700E	201	202	< 5	0.4	4.90	40	100	< 0.5	2	0.29	3.0	13	21	53	5.97	10	< 1	0.08	< 10	0.75	565
L3100N 5750E	201	202	< 5	0.4	5.02	88	90	< 0.5	< 2	0.41	< 0.5	36	29	59	4.96	10	< 1	0.10	< 10	0.68	430
L3100N 5800E	201	202	< 5	< 0.2	2.68	26	110	< 0.5	< 2	0.37	< 0.5	9	25	25	4.07	< 10	1	0.08	< 10	0.96	345
L3100N 5850E	201	202	< 5	< 0.2	2.55	28	90	< 0.5	4	0.30	< 0.5	8	22	21	3.78	< 10	< 1	0.06	< 10	0.83	275
L3100N 5900E	201	202	< 5	0.4	6.60	34	140	< 0.5	< 2	0.29	< 0.5	24	27	74	5.01	10	< 1	0.08	10	0.59	330
L3100N 5950E	201	202	< 5	0.2	2.46	22	110	< 0.5	< 2	0.29	< 0.5	6	24	20	3.53	10	< 1	0.08	< 10	0.67	270
L3100N 6000E	201	202	< 5	0.2	2.87	30	190	< 0.5	2	0.53	< 0.5	10	26	29	3.99	10	< 1	0.09	< 10	0.90	385
L3100N 6050E	201	202	< 5	0.4	2.44	30	80	< 0.5	6	0.37	< 0.5	9	24	22	3.82	< 10	< 1	0.12	< 10	0.80	250
L3100N 6100E	201	202	< 5	0.2	2.53	44	130	< 0.5	< 2	0.39	< 0.5	10	26	35	3.79	< 10	< 1	0.10	< 10	0.84	290
L3100N 6150E	201	202	< 5	< 0.2	1.75	16	60	< 0.5	2	0.23	< 0.5	4	19	12	3.14	< 10	< 1	0.04	< 10	0.48	215
L3100N 6200E	201	202	< 5	< 0.2	2.82	18	90	< 0.5	2	0.22	< 0.5	8	21	20	3.72	< 10	< 1	0.05	< 10	0.68	345
L3100N 6250E	201	202	< 5	0.2	3.18	36	100	< 0.5	< 2	0.27	< 0.5	10	22	22	4.22	< 10	< 1	0.06	< 10	0.85	290
L3100N 6300E	201	202	< 5	< 0.2	2.50	38	90	< 0.5	2	0.17	< 0.5	5	26	16	4.13	10	< 1	0.08	< 10	0.59	210
L3100N 6350E	201	202	< 5	0.4	2.03	36	110	< 0.5	< 2	1.51	2.0	8	25	35	2.83	< 10	< 1	0.07	< 10	0.78	245
L3100N 6400E	201	202	< 5	< 0.2	2.96	68	150	< 0.5	4	0.84	< 0.5	16	29	35	3.81	< 10	< 1	0.09	< 10	1.07	385
L3100N 6450E	201	202	< 5	0.2	2.02	16	80	< 0.5	< 2	0.23	< 0.5	4	19	12	2.90	10	< 1	0.05	< 10	0.29	135
L3100N 6500E	201	202	< 5	< 0.2	4.48	50	140	< 0.5	2	0.29	< 0.5	19	34	33	4.57	10	< 1	0.09	< 10	0.96	385
L3100N 6550E	201	202	< 5	0.2	3.99	32	120	< 0.5	2	0.34	< 0.5	14	25	46	5.34	10	< 1	0.16	< 10	1.03	445
L3100N 6600E	201	202	< 5	0.2	3.27	28	110	< 0.5	2	0.22	< 0.5	16	10	41	5.32	10	< 1	0.11	< 10	0.82	540
L3100N 6650E	201	202	< 5	0.4	2.96	108	110	< 0.5	4	0.22	< 0.5	11	28	29	4.74	10	< 1	0.11	< 10	0.85	550
L3100N 6700E	201	202	< 5	0.4	2.61	36	120	< 0.5	< 2	0.35	< 0.5	10	23	29	3.87	10	< 1	0.07	< 10	0.70	530
L3100N 6750E	201	202	< 5	0.4	2.48	28	110	< 0.5	2	0.23	< 0.5	13	22	43	4.45	< 10	< 1	0.07	< 10	0.78	355
L3100N 6800E	201	202	< 5	< 0.2	2.26	24	60	< 0.5	< 2	0.33	< 0.5	8	26	24	3.82	< 10	< 1	0.07	< 10	0.79	255

CERTIFICATION: [signature]

Chemex Labs Ltd.

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

BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: MEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216655
P.O. Number :
Account : E

CERTIFICATE OF ANALYSIS A9216655

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L3000N 7600E	201	202	1	0.01	17	740	2	4	8	20	0.18	< 10	< 10	117	10	142
L3000N 7700E	201	202	1	0.02	18	620	2	6	8	33	0.22	< 10	< 10	112	10	236
L3100N 4600E	201	202	1	0.10	20	500	2	2	18	43	0.42	< 10	< 10	211	20	102
L3100N 4700E	201	202	< 1	0.01	12	640	8	4	7	32	0.17	< 10	< 10	110	10	96
L3100N 4800E	201	202	1	0.01	14	330	10	2	8	44	0.16	< 10	< 10	110	10	116
L3100N 4900E	201	202	2	0.01	12	380	8	4	6	25	0.20	< 10	< 10	132	< 10	84
L3100N 5000E	201	202	1	0.01	17	430	8	4	10	78	0.13	< 10	< 10	98	10	84
L3100N 5100E	201	202	< 1	0.01	12	800	6	4	7	34	0.17	< 10	< 10	102	10	96
L3100N 5200E	201	202	1	0.01	12	1780	6	< 2	6	25	0.16	< 10	< 10	99	10	154
L3100N 5300E	201	202	1	0.01	12	1340	2	4	7	30	0.17	< 10	< 10	112	10	106
L3100N 5350E	201	202	1	0.02	16	370	4	4	5	36	0.18	< 10	< 10	104	10	74
L3100N 5400E	201	202	< 1	0.01	9	1020	4	6	5	13	0.15	< 10	< 10	130	< 10	66
L3100N 5450E	201	202	< 1	0.01	17	1220	4	2	7	41	0.21	< 10	< 10	113	10	86
L3100N 5500E	201	202	< 1	0.01	22	410	4	8	8	34	0.20	< 10	< 10	122	10	116
L3100N 5550E	201	202	2	0.01	3	490	4	4	11	15	0.22	< 10	< 10	99	< 10	76
L3100N 5600E	201	202	3	0.01	26	570	8	4	8	32	0.16	< 10	< 10	106	10	142
L3100N 5650E	201	202	4	0.01	10	340	8	6	8	20	0.22	< 10	< 10	129	10	130
L3100N 5700E	201	202	38	0.02	72	1040	12	6	9	28	0.13	< 10	< 10	167	10	868
L3100N 5750E	201	202	5	0.02	53	910	12	6	6	37	0.15	< 10	< 10	101	10	338
L3100N 5800E	201	202	1	0.01	13	660	8	4	7	30	0.17	< 10	< 10	114	10	96
L3100N 5850E	201	202	1	0.01	10	690	10	4	6	28	0.17	< 10	< 10	108	10	66
L3100N 5900E	201	202	5	0.01	40	900	8	8	7	49	0.10	< 10	< 10	86	10	138
L3100N 5950E	201	202	2	0.01	9	630	8	4	6	26	0.19	< 10	< 10	113	10	100
L3100N 6000E	201	202	1	0.01	15	560	10	2	7	44	0.17	< 10	< 10	110	10	124
L3100N 6050E	201	202	2	0.01	13	670	14	2	6	33	0.18	< 10	< 10	114	< 10	86
L3100N 6100E	201	202	1	0.01	16	430	10	6	7	36	0.17	< 10	< 10	106	10	98
L3100N 6150E	201	202	1	0.01	7	690	8	4	4	18	0.16	< 10	< 10	93	< 10	56
L3100N 6200E	201	202	< 1	0.01	11	1270	8	2	5	18	0.15	< 10	< 10	98	10	96
L3100N 6250E	201	202	< 1	0.01	13	1190	4	2	7	23	0.16	< 10	< 10	108	10	96
L3100N 6300E	201	202	2	0.01	7	2120	8	2	6	17	0.20	< 10	< 10	130	10	90
L3100N 6350E	201	202	2	0.02	12	400	8	< 2	6	109	0.17	< 10	< 10	91	10	92
L3100N 6400E	201	202	2	0.03	23	360	8	4	8	56	0.20	< 10	< 10	107	10	136
L3100N 6450E	201	202	1	0.01	5	530	16	2	5	19	0.19	< 10	< 10	91	< 10	50
L3100N 6500E	201	202	1	0.02	23	1880	6	2	9	22	0.19	< 10	< 10	124	10	180
L3100N 6550E	201	202	2	0.01	15	560	8	4	12	23	0.24	< 10	< 10	149	10	126
L3100N 6600E	201	202	2	0.01	6	760	20	2	7	16	0.19	< 10	< 10	120	10	222
L3100N 6650E	201	202	2	0.01	12	2250	8	4	7	20	0.19	< 10	< 10	126	10	224
L3100N 6700E	201	202	1	0.01	10	670	10	6	6	25	0.18	< 10	< 10	108	10	84
L3100N 6750E	201	202	2	0.01	11	310	6	2	7	23	0.18	< 10	< 10	129	10	68
L3100N 6800E	201	202	2	0.01	12	290	8	4	6	23	0.19	< 10	< 10	121	10	52

CERTIFICATION: *[signature]*

Chemex Labs Ltd.

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

BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: MEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216655
P.O. Number :
Account :E

CERTIFICATE OF ANALYSIS A9216655

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L3100N 6850E	201 202	< 5	0.4	3.24	46	120	< 0.5	4	0.26	< 0.5	10	30	25	4.46	10	1	0.06	< 10	0.84	280
L3100N 6900E	201 202	< 5	0.2	2.26	46	90	< 0.5	< 2	0.26	< 0.5	8	25	25	3.96	< 10	< 1	0.07	< 10	0.70	255
L3100N 7000E	201 202	< 5	< 0.2	2.24	32	90	< 0.5	< 2	0.22	< 0.5	8	22	16	3.26	< 10	< 1	0.08	< 10	0.63	230
L3100N 7100E	201 202	< 5	0.2	2.69	< 2	320	< 0.5	< 2	0.18	< 0.5	4	6	187	6.47	< 10	< 1	0.18	< 10	0.46	235
L3100N 7200E	201 202	< 5	< 0.2	3.40	34	160	< 0.5	< 2	0.29	< 0.5	17	24	34	4.55	10	< 1	0.09	< 10	0.97	355
L3100N 7300E	201 202	< 5	< 0.2	3.32	42	150	< 0.5	2	0.27	< 0.5	18	24	33	4.49	< 10	2	0.09	< 10	0.95	350
L3100N 7400E	201 202	< 5	0.6	3.15	44	180	< 0.5	6	0.38	< 0.5	22	26	86	5.34	10	< 1	0.14	< 10	1.04	420
L3100N 7500E	201 202	< 5	0.2	2.12	18	120	< 0.5	2	0.25	< 0.5	9	13	34	4.36	10	< 1	0.13	< 10	0.62	315
L3100N 7600E	201 202	< 5	< 0.2	2.97	78	110	< 0.5	< 2	0.30	1.5	15	23	32	5.05	10	1	0.10	< 10	0.67	535
L3100N 7700E	201 202	< 5	< 0.2	3.62	34	90	< 0.5	< 2	0.24	< 0.5	9	18	26	4.44	10	3	0.11	< 10	0.68	310
L3200N 4600E	201 202	< 5	< 0.2	3.19	48	110	< 0.5	4	0.26	< 0.5	10	18	27	4.43	10	< 1	0.09	< 10	0.60	325
L3200N 4700E	201 202	< 5	< 0.2	3.37	12	100	< 0.5	2	0.31	< 0.5	9	23	25	4.42	10	2	0.05	< 10	0.99	305
L3200N 4800E	201 202	< 5	0.2	2.22	14	90	< 0.5	< 2	1.13	< 0.5	11	22	29	3.02	< 10	2	0.05	< 10	0.70	780
L3200N 4900E	201 202	< 5	< 0.2	2.48	56	140	< 0.5	2	0.66	< 0.5	10	24	29	3.64	< 10	< 1	0.16	< 10	1.21	545
L3200N 5000E	201 202	< 5	< 0.2	2.77	56	140	< 0.5	2	0.40	< 0.5	12	23	24	4.74	10	< 1	0.11	< 10	1.13	370
L3200N 5100E	201 202	< 5	0.6	4.74	60	430	< 0.5	< 2	1.60	< 0.5	17	38	92	4.51	10	< 1	0.25	10	1.08	810
L3200N 5150E	201 202	< 5	0.2	2.97	22	100	< 0.5	< 2	0.30	< 0.5	9	21	18	3.80	< 10	< 1	0.05	< 10	0.70	290
L3200N 5200E	201 202	< 5	< 0.2	2.62	36	130	< 0.5	< 2	0.34	< 0.5	8	20	21	3.65	< 10	< 1	0.06	< 10	0.83	305
L3200N 5250E	201 202	< 5	0.2	2.67	34	80	< 0.5	2	0.31	< 0.5	7	20	22	4.09	10	< 1	0.06	< 10	0.72	245
L3200N 5300E	201 202	< 5	3.8	4.05	146	170	< 0.5	< 2	1.75	4.5	11	31	231	3.85	10	< 1	0.20	10	0.91	1330
L3200N 5350E	201 202	< 5	0.2	3.02	46	100	< 0.5	2	0.38	< 0.5	12	24	37	4.33	10	< 1	0.10	< 10	0.99	350
L3200N 5400E	201 202	< 5	< 0.2	3.72	16	100	< 0.5	< 2	0.34	< 0.5	13	74	45	5.36	10	2	0.14	< 10	0.99	415
L3200N 5450E	201 202	< 5	0.2	2.58	26	100	< 0.5	2	0.35	< 0.5	10	20	30	3.56	< 10	< 1	0.07	< 10	0.92	435
L3200N 5500E	201 202	< 5	< 0.2	2.12	14	120	< 0.5	< 2	0.36	< 0.5	8	22	17	2.97	10	< 1	0.08	< 10	0.66	240
L3200N 5550E	201 202	< 5	0.2	2.15	22	80	< 0.5	4	0.19	< 0.5	8	18	16	3.40	< 10	< 1	0.07	< 10	0.62	230
L3200N 5600E	201 202	< 5	< 0.2	2.41	74	70	< 0.5	2	0.16	< 0.5	6	42	18	3.59	< 10	< 1	0.04	< 10	0.55	180
L3200N 5650E	201 202	< 5	< 0.2	2.61	30	130	< 0.5	< 2	0.20	< 0.5	8	28	16	4.14	< 10	< 1	0.05	< 10	0.69	260
L3200N 5700E	201 202	< 5	< 0.2	3.02	26	110	< 0.5	2	0.25	< 0.5	11	24	37	4.02	< 10	< 1	0.07	< 10	0.78	300
L3200N 5750E	201 202	< 5	0.2	2.56	34	110	< 0.5	< 2	0.23	< 0.5	8	21	22	3.75	< 10	< 1	0.06	< 10	0.74	310
L3200N 5800E	201 202	< 5	< 0.2	1.45	12	80	< 0.5	< 2	0.30	< 0.5	4	21	12	3.16	< 10	1	0.07	< 10	0.46	170
L3200N 5850E	201 202	< 5	0.2	2.57	22	140	< 0.5	4	0.52	< 0.5	11	53	32	3.61	< 10	< 1	0.08	< 10	1.02	345
L3200N 5900E	201 202	< 5	1.6	5.09	72	330	< 0.5	< 2	2.09	0.5	13	33	132	4.73	10	3	0.24	10	0.96	1055
L3200N 5950E	201 202	< 5	< 0.2	1.86	10	110	< 0.5	4	0.24	< 0.5	7	19	21	3.04	10	< 1	0.04	< 10	0.41	180
L3200N 6000E	201 202	< 5	< 0.2	3.41	70	150	< 0.5	2	0.85	< 0.5	22	30	61	4.55	< 10	< 1	0.06	10	0.93	1400
L3200N 6050E	201 202	< 5	< 0.2	0.94	10	80	< 0.5	4	0.16	< 0.5	2	25	10	2.21	< 10	< 1	0.09	< 10	0.51	115

CERTIFICATION: [signature]

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

To: BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: MEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216655
P.O. Number :
Account :E

CERTIFICATE OF ANALYSIS A9216655

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L3100N 6850E	201	202	2	0.01	12	440	4	4	7	27	0.21	< 10	< 10	133	10	68
L3100N 6900E	201	202	2	0.01	14	440	8	6	5	25	0.17	< 10	< 10	109	10	82
L3100N 7000E	201	202	2	0.01	11	1030	6	< 2	5	19	0.15	< 10	< 10	93	< 10	76
L3100N 7100E	201	202	32	0.02	1	1920	2	6	6	30	0.21	< 10	< 10	91	10	54
L3100N 7200E	201	202	1	0.01	16	700	6	4	7	21	0.19	< 10	< 10	120	10	72
L3100N 7300E	201	202	2	0.01	15	680	6	4	7	20	0.18	< 10	< 10	118	10	72
L3100N 7400E	201	202	4	0.02	17	690	2	6	9	25	0.21	< 10	< 10	142	10	156
L3100N 7500E	201	202	2	0.01	6	2310	10	6	8	16	0.19	< 10	< 10	115	10	160
L3100N 7600E	201	202	13	0.01	25	620	6	6	8	20	0.17	< 10	< 10	156	10	658
L3100N 7700E	201	202	3	0.01	16	430	< 2	4	8	20	0.23	< 10	< 10	113	10	140
L3200N 4600E	201	202	5	0.01	10	600	4	4	6	19	0.19	< 10	< 10	102	10	158
L3200N 4700E	201	202	4	0.02	15	520	10	4	9	31	0.22	< 10	< 10	148	10	102
L3200N 4800E	201	202	1	0.02	25	260	6	4	6	62	0.13	< 10	< 10	77	10	90
L3200N 4900E	201	202	1	0.02	21	280	4	2	8	54	0.21	< 10	< 10	106	10	102
L3200N 5000E	201	202	2	0.02	13	550	2	6	9	41	0.20	< 10	< 10	134	10	180
L3200N 5100E	201	202	3	0.02	28	790	14	6	11	116	0.10	< 10	< 10	109	10	106
L3200N 5150E	201	202	2	0.01	12	1060	2	2	6	24	0.15	< 10	< 10	96	< 10	120
L3200N 5200E	201	202	1	0.01	13	1030	6	2	6	27	0.15	< 10	< 10	89	10	94
L3200N 5250E	201	202	2	0.01	8	520	8	4	6	26	0.20	< 10	< 10	119	< 10	144
L3200N 5300E	201	202	2	0.04	23	760	8	4	10	106	0.11	< 10	< 10	109	10	146
L3200N 5350E	201	202	< 1	0.01	11	420	4	4	8	38	0.19	< 10	< 10	119	10	100
L3200N 5400E	201	202	2	0.02	19	580	6	2	6	35	0.13	< 10	< 10	171	10	114
L3200N 5450E	201	202	< 1	0.01	12	950	8	4	6	28	0.15	< 10	< 10	97	< 10	84
L3200N 5500E	201	202	1	0.01	11	300	8	< 2	5	31	0.19	< 10	< 10	85	< 10	56
L3200N 5550E	201	202	1	< 0.01	10	840	10	4	5	19	0.13	< 10	< 10	90	< 10	114
L3200N 5600E	201	202	7	0.01	21	720	8	4	5	19	0.14	< 10	< 10	126	< 10	198
L3200N 5650E	201	202	1	< 0.01	13	1360	16	4	5	19	0.16	< 10	< 10	125	< 10	102
L3200N 5700E	201	202	< 1	0.01	12	860	10	2	6	21	0.14	< 10	< 10	107	10	100
L3200N 5750E	201	202	1	< 0.01	9	460	12	2	5	22	0.12	< 10	< 10	93	< 10	82
L3200N 5800E	201	202	1	0.01	6	360	10	4	4	27	0.18	< 10	< 10	108	< 10	66
L3200N 5850E	201	202	1	0.04	14	510	4	4	8	38	0.20	< 10	< 10	109	10	108
L3200N 5900E	201	202	3	0.02	39	1100	12	4	10	117	0.05	< 10	< 10	92	20	148
L3200N 5950E	201	202	2	0.01	10	170	4	4	4	23	0.19	< 10	< 10	99	< 10	66
L3200N 6000E	201	202	2	0.02	41	1000	6	4	8	69	0.12	< 10	< 10	95	10	128
L3200N 6050E	201	202	2	0.01	5	540	6	4	1	15	0.26	< 10	< 10	94	< 10	44

CERTIFICATION: [signature]

Chemex Labs Ltd.

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

BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: NEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216656
P.O. Number :
Account : E

CERTIFICATE OF ANALYSIS A9216656

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L3200N 6100E	201	202	< 5	0.2	3.17	6	120	< 0.5	2	0.23	< 0.5	7	30	26	5.01	10	< 1	0.04	< 10	0.88	210
L3200N 6150E	201	202	< 5	0.2	2.17	26	200	< 0.5	2	0.14	< 0.5	13	57	45	4.94	10	< 1	0.29	< 10	0.97	265
L3200N 6200E	201	202	< 5	0.4	3.12	78	150	< 0.5	2	0.26	< 0.5	14	38	43	4.34	10	< 1	0.12	< 10	1.01	355
L3200N 6250E	201	202	< 5	0.8	3.57	60	160	< 0.5	< 2	0.33	< 0.5	22	38	52	5.13	10	< 1	0.15	< 10	1.30	365
L3200N 6300E	201	202	< 5	0.2	3.08	26	140	< 0.5	2	0.28	< 0.5	15	33	36	3.70	10	< 1	0.13	< 10	1.23	430
L3200N 6350E	201	202	< 5	0.2	3.09	42	120	< 0.5	4	0.38	< 0.5	14	31	27	4.38	10	< 1	0.10	< 10	1.03	320
L3200N 6400E	201	202	< 5	0.4	4.42	96	180	< 0.5	< 2	0.30	< 0.5	13	32	37	5.30	10	< 1	0.08	< 10	1.07	330
L3200N 6500E	201	202	< 5	0.6	3.43	46	140	< 0.5	2	0.29	< 0.5	12	39	32	4.55	10	< 1	0.10	< 10	1.11	315
L3200N 6550E	201	202	5	< 0.2	3.16	52	130	< 0.5	< 2	0.31	< 0.5	16	29	32	4.30	10	< 1	0.09	< 10	0.90	360
L3200N 6600E	201	202	< 5	0.4	3.29	20	150	< 0.5	< 2	0.28	< 0.5	13	29	23	4.45	10	< 1	0.11	< 10	0.76	345
L3200N 6650E	201	202	< 5	< 0.2	3.41	28	120	< 0.5	< 2	0.19	< 0.5	10	28	32	4.58	10	1	0.09	< 10	0.92	310
L3200N 6700E	201	202	5	0.4	2.77	28	220	< 0.5	< 2	0.31	< 0.5	15	25	31	3.91	10	< 1	0.13	< 10	0.91	1395
L3200N 6750E	201	202	< 5	0.4	3.22	46	120	< 0.5	2	0.23	1.0	13	29	29	5.01	10	< 1	0.10	< 10	0.84	775
L3200N 6800E	201	202	< 5	1.0	3.20	42	200	< 0.5	< 2	0.81	< 0.5	17	28	54	3.99	10	< 1	0.16	< 10	1.06	660
L3200N 6850E	201	202	< 5	0.2	3.22	34	160	< 0.5	< 2	0.43	< 0.5	14	33	43	3.93	10	< 1	0.14	< 10	1.03	370
L3200N 6900E	201	202	< 5	0.2	2.97	22	160	< 0.5	< 2	0.28	< 0.5	13	24	31	3.95	10	< 1	0.12	< 10	0.95	325
L3200N 6950E	201	202	< 5	0.4	3.13	24	120	< 0.5	< 2	0.33	< 0.5	13	26	31	3.87	10	< 1	0.11	< 10	0.81	290
L3200N 7000E	201	202	< 5	0.2	3.31	12	100	< 0.5	< 2	0.27	< 0.5	13	26	31	4.07	10	< 1	0.11	< 10	0.84	305
L3200N 7050E	201	202	< 5	< 0.2	1.59	< 2	100	< 0.5	2	0.12	< 0.5	10	11	15	4.39	10	< 1	0.15	< 10	0.78	270
L3200N 7100E	201	202	< 5	0.6	3.69	26	120	< 0.5	< 2	0.28	< 0.5	18	22	55	4.99	10	< 1	0.11	< 10	0.87	305
L3200N 7150E	201	202	< 5	0.2	1.85	24	80	< 0.5	< 2	0.23	< 0.5	10	16	34	3.60	10	< 1	0.09	< 10	0.57	255
L3200N 7200E	201	202	< 5	0.2	2.21	8	140	< 0.5	6	0.19	< 0.5	6	6	39	5.62	10	< 1	0.09	< 10	0.64	180
L3200N 7300E	201	202	< 5	0.2	2.97	12	150	< 0.5	2	0.40	< 0.5	15	25	57	4.00	10	< 1	0.14	10	0.96	380
L3200N 7400E	201	202	< 5	0.2	3.16	18	130	< 0.5	< 2	0.31	< 0.5	13	26	31	4.14	10	< 1	0.10	< 10	0.79	275
L3200N 7500E	201	202	< 5	0.2	3.08	74	170	< 0.5	< 2	0.33	< 0.5	20	16	77	4.78	10	< 1	0.24	< 10	0.99	325
L3200N 7600E	201	202	< 5	< 0.2	1.92	26	110	< 0.5	4	0.27	0.5	11	17	20	4.19	10	< 1	0.12	< 10	0.57	295
L3200N 7700E	201	202	< 5	< 0.2	1.33	46	60	< 0.5	< 2	0.17	< 0.5	6	13	15	3.77	10	< 1	0.08	< 10	0.39	275
L3300N 4600E	201	202	< 5	< 0.2	3.06	20	90	< 0.5	< 2	0.43	< 0.5	11	22	24	4.14	10	< 1	0.05	< 10	0.88	365
L3300N 4700E	201	202	< 5	0.8	2.75	22	140	< 0.5	< 2	1.39	4.0	13	29	38	3.70	10	< 1	0.07	< 10	0.75	1970
L3300N 4900E	201	202	< 5	0.2	2.75	28	160	< 0.5	< 2	0.53	< 0.5	9	22	28	3.79	10	< 1	0.13	< 10	0.94	275
L3300N 5025E	201	202	< 5	0.2	2.30	40	140	< 0.5	4	0.26	< 0.5	6	22	20	4.02	10	< 1	0.11	< 10	0.80	285
L3300N 5050E	201	202	< 5	0.4	2.67	506	150	< 0.5	< 2	1.02	< 0.5	12	28	39	3.91	< 10	< 1	0.22	10	1.09	610
L3300N 5100E	201	202	< 5	0.2	2.27	62	130	< 0.5	2	0.67	< 0.5	9	19	44	3.09	< 10	< 1	0.06	< 10	0.84	340
L3300N 5150E	201	202	< 5	< 0.2	1.85	14	80	< 0.5	< 2	0.23	< 0.5	5	17	17	3.12	< 10	< 1	0.04	< 10	0.55	190
L3300N 5200E	201	202	< 5	< 0.2	3.02	22	130	< 0.5	< 2	0.19	< 0.5	10	23	23	4.45	10	< 1	0.09	< 10	0.78	280
L3300N 5250E	201	202	< 5	0.2	2.86	18	100	< 0.5	4	0.22	< 0.5	11	20	20	3.80	< 10	< 1	0.05	< 10	0.69	285
L3300N 5300E	201	202	< 5	0.2	3.35	16	110	< 0.5	2	0.25	< 0.5	11	27	32	4.38	10	< 1	0.06	< 10	1.05	340
L3300N 5350E	201	202	< 5	< 0.2	3.19	12	90	< 0.5	2	0.29	< 0.5	9	20	30	3.86	10	< 1	0.04	< 10	0.64	280
L3300N 5400E	201	202	< 5	0.2	2.09	8	90	< 0.5	< 2	0.24	< 0.5	6	19	16	3.35	10	< 1	0.05	< 10	0.50	245
L3300N 5450E	201	202	< 5	< 0.2	0.80	< 2	50	< 0.5	< 2	0.35	< 0.5	2	9	11	1.92	< 10	< 1	0.02	< 10	0.20	105

CERTIFICATION: [signature]

Chemex Labs Ltd.

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

BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: NEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216656
P.O. Number :
Account : E

CERTIFICATE OF ANALYSIS A9216656

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L3200N 6100E	201	202	6	0.03	12	950	8	4	7	43	0.24	< 10	< 10	139	10	82
L3200N 6150E	201	202	2	0.02	21	1200	< 2	4	9	10	0.36	< 10	< 10	147	10	124
L3200N 6200E	201	202	3	0.01	28	850	10	< 2	7	25	0.24	< 10	< 10	119	10	118
L3200N 6250E	201	202	4	0.02	30	1300	< 2	2	8	30	0.26	< 10	< 10	140	10	146
L3200N 6300E	201	202	3	0.02	15	610	6	2	7	24	0.25	< 10	< 10	113	10	148
L3200N 6350E	201	202	4	0.03	18	650	4	2	7	29	0.24	< 10	< 10	137	10	146
L3200N 6400E	201	202	4	0.02	19	1750	6	4	8	26	0.20	< 10	< 10	135	10	132
L3200N 6500E	201	202	3	0.03	16	640	< 2	2	9	27	0.29	< 10	< 10	146	10	180
L3200N 6550E	201	202	1	0.01	20	950	6	4	7	27	0.19	< 10	< 10	118	10	100
L3200N 6600E	201	202	2	0.01	11	1310	14	4	7	28	0.21	< 10	< 10	126	10	182
L3200N 6650E	201	202	1	0.01	14	660	8	2	8	17	0.21	< 10	< 10	137	10	72
L3200N 6700E	201	202	1	0.02	14	1060	4	4	8	30	0.18	< 10	< 10	114	10	168
L3200N 6750E	201	202	2	0.02	13	2740	6	4	7	20	0.20	< 10	< 10	138	10	322
L3200N 6800E	201	202	1	0.03	20	630	< 2	< 2	9	46	0.19	< 10	< 10	110	10	142
L3200N 6850E	201	202	1	0.02	20	540	< 2	2	8	30	0.23	< 10	< 10	116	10	90
L3200N 6900E	201	202	< 1	0.01	13	1060	2	< 2	8	21	0.19	< 10	< 10	112	10	90
L3200N 6950E	201	202	2	0.01	16	810	< 2	< 2	7	25	0.19	< 10	< 10	111	10	100
L3200N 7000E	201	202	1	0.01	13	990	2	2	7	20	0.20	< 10	< 10	120	10	88
L3200N 7050E	201	202	1	0.01	3	280	< 2	4	7	11	0.21	< 10	< 10	135	< 10	52
L3200N 7100E	201	202	1	0.01	13	800	4	2	9	24	0.19	< 10	< 10	132	10	76
L3200N 7150E	201	202	1	0.01	7	430	4	4	5	18	0.18	< 10	< 10	120	< 10	74
L3200N 7200E	201	202	2	0.02	1	1070	< 2	2	6	10	0.24	< 10	< 10	182	10	60
L3200N 7300E	201	202	2	0.02	15	370	4	2	8	30	0.22	< 10	< 10	123	10	88
L3200N 7400E	201	202	2	0.01	15	700	2	< 2	7	26	0.22	< 10	< 10	120	10	100
L3200N 7500E	201	202	6	0.01	13	640	< 2	4	10	28	0.21	< 10	< 10	138	10	90
L3200N 7600E	201	202	9	0.01	12	490	< 2	2	7	18	0.26	< 10	< 10	140	10	434
L3200N 7700E	201	202	5	0.01	6	330	6	2	4	12	0.17	< 10	< 10	123	< 10	134
L3300N 4600E	201	202	1	0.01	11	290	6	< 2	7	32	0.20	< 10	< 10	114	10	88
L3300N 4700E	201	202	2	0.02	28	450	10	4	7	72	0.13	< 10	< 10	93	10	156
L3300N 4900E	201	202	2	0.01	10	430	6	< 2	8	46	0.20	< 10	< 10	130	10	114
L3300N 5025E	201	202	2	0.01	11	510	4	2	7	37	0.21	< 10	< 10	137	< 10	80
L3300N 5050E	201	202	2	0.03	17	740	6	4	9	83	0.13	< 10	< 10	93	10	128
L3300N 5100E	201	202	< 1	0.01	10	260	6	< 2	6	55	0.15	< 10	< 10	88	< 10	134
L3300N 5150E	201	202	< 1	< 0.01	7	620	4	2	4	19	0.14	< 10	< 10	88	< 10	72
L3300N 5200E	201	202	1	0.01	11	1250	6	< 2	7	16	0.13	< 10	< 10	118	< 10	132
L3300N 5250E	201	202	< 1	0.01	11	510	2	4	6	18	0.16	< 10	< 10	100	10	74
L3300N 5300E	201	202	1	0.01	15	410	2	2	7	24	0.20	< 10	< 10	122	10	70
L3300N 5350E	201	202	< 1	0.01	10	610	2	4	5	25	0.14	< 10	< 10	103	10	70
L3300N 5400E	201	202	1	0.01	6	640	4	< 2	5	21	0.17	< 10	< 10	102	< 10	64
L3300N 5450E	201	202	< 1	0.01	1	160	< 2	< 2	2	38	0.24	< 10	< 10	67	< 10	18

CERTIFICATION: [signature]

Chemex Labs Ltd.

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

BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: NEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216656
P.O. Number :
Account : E

CERTIFICATE OF ANALYSIS A9216656

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L3300N 5500E	201	202	< 5	< 0.2	3.02	32	100	< 0.5	< 2	0.29	< 0.5	12	23	26	4.61	< 10	< 1	0.08	< 10	0.85	305
L3300N 5550E	201	202	< 5	< 0.2	4.10	12	120	< 0.5	< 2	0.11	< 0.5	8	29	40	5.58	< 10	< 1	0.10	10	0.81	360
L3300N 5600E	201	202	< 5	< 0.2	3.42	42	80	< 0.5	< 2	0.26	< 0.5	10	24	35	4.67	< 10	1	0.04	< 10	0.92	365
L3300N 5650E	201	202	< 5	< 0.2	2.56	16	90	< 0.5	< 2	0.26	< 0.5	10	20	29	3.60	< 10	1	0.05	< 10	0.80	300
L3300N 5700E	201	202	< 5	< 0.2	3.52	92	110	< 0.5	< 2	0.23	< 0.5	9	23	38	5.76	< 10	1	0.08	< 10	1.01	335
L3300N 5750E	201	202	< 5	0.2	2.00	32	80	< 0.5	< 2	0.17	< 0.5	6	18	17	3.88	< 10	2	0.07	< 10	0.52	285
L3300N 5800E	201	202	10	0.2	1.31	18	80	< 0.5	< 2	0.25	< 0.5	3	15	12	2.64	< 10	< 1	0.06	< 10	0.31	150
L3300N 5850E	201	202	< 5	< 0.2	3.09	34	150	< 0.5	< 2	0.43	< 0.5	13	25	37	4.14	< 10	< 1	0.12	< 10	1.10	430
L3300N 5900E	201	202	< 5	< 0.2	2.51	20	90	< 0.5	< 2	0.33	< 0.5	8	30	29	3.89	< 10	< 1	0.14	< 10	0.91	305
L3300N 5950E	201	202	< 5	< 0.2	2.84	24	60	< 0.5	< 2	0.84	< 0.5	25	79	24	5.03	< 10	< 1	0.10	< 10	1.99	475
L3300N 6000E	201	202	< 5	0.4	3.41	28	160	< 0.5	< 2	1.01	< 0.5	17	32	61	4.58	< 10	< 1	0.14	< 10	1.10	1210
L3300N 6050E	201	202	< 5	< 0.2	3.96	16	130	< 0.5	< 2	0.31	< 0.5	12	39	38	5.09	< 10	< 1	0.08	< 10	1.67	240
L3300N 6100E	201	202	< 5	< 0.2	2.45	64	90	< 0.5	< 2	0.25	< 0.5	8	35	22	5.03	< 10	1	0.10	< 10	0.96	285
L3300N 6150E	201	202	< 5	< 0.2	2.36	42	90	< 0.5	2	0.34	< 0.5	10	28	21	4.18	< 10	< 1	0.08	< 10	0.83	325
L3300N 6200E	201	202	< 5	0.2	3.70	50	130	< 0.5	< 2	0.32	< 0.5	14	28	31	4.78	< 10	1	0.10	< 10	0.86	335
L3300N 6250E	201	202	< 5	< 0.2	2.50	50	90	< 0.5	< 2	0.61	< 0.5	14	21	36	5.33	< 10	1	0.08	< 10	0.94	360
L3300N 6300E	201	202	< 5	0.2	2.48	30	130	< 0.5	< 2	0.35	< 0.5	15	24	36	4.21	< 10	< 1	0.10	< 10	0.80	465
L3300N 6350E	201	202	< 5	< 0.2	2.50	54	140	< 0.5	< 2	0.35	< 0.5	9	26	27	4.07	< 10	< 1	0.07	< 10	0.79	290
L3300N 6400E	201	202	< 5	< 0.2	2.59	38	120	< 0.5	< 2	0.31	< 0.5	9	29	34	3.78	< 10	< 1	0.10	< 10	0.85	275
L3300N 6450E	201	202	< 5	< 0.2	2.44	34	80	< 0.5	< 2	0.27	< 0.5	8	23	27	4.25	< 10	< 1	0.07	< 10	0.74	255
L3300N 6500E	201	202	< 5	1.8	2.36	80	160	< 0.5	< 2	2.54	2.5	14	26	195	3.31	10	< 1	0.16	10	0.84	1220
L3300N 6550E	201	202	< 5	0.2	3.18	32	140	< 0.5	2	0.30	< 0.5	12	26	26	4.28	10	< 1	0.06	< 10	0.88	325
L3300N 6600E	201	202	< 5	0.4	2.53	30	190	< 0.5	4	0.37	< 0.5	11	28	52	3.82	10	< 1	0.12	< 10	0.77	265
L3300N 6650E	201	202	< 5	0.2	2.14	22	120	< 0.5	6	0.23	< 0.5	11	26	21	3.40	10	< 1	0.09	< 10	0.68	225
L3300N 6700E	201	202	< 5	0.2	1.89	26	90	< 0.5	< 2	0.23	< 0.5	8	22	21	3.21	10	< 1	0.10	< 10	0.62	235
L3300N 6750E	201	202	< 5	< 0.2	2.60	20	110	< 0.5	< 2	0.25	< 0.5	11	28	29	4.44	10	< 1	0.09	< 10	1.00	230
L3300N 6800E	201	202	< 5	< 0.2	1.33	20	70	< 0.5	< 2	0.17	< 0.5	6	15	15	3.13	10	< 1	0.08	< 10	0.58	170
L3300N 6850E	201	202	< 5	0.2	1.42	8	200	< 0.5	< 2	1.46	< 0.5	13	16	18	2.80	10	< 1	0.12	10	0.59	1395
L3300N 6900E	201	202	< 5	0.8	3.48	34	240	< 0.5	4	1.26	< 0.5	14	57	81	4.04	10	< 1	0.31	10	1.36	555
L3300N 6950E	201	202	< 5	0.2	2.02	12	140	< 0.5	2	0.26	< 0.5	10	20	36	3.67	10	< 1	0.09	< 10	0.67	250
L3300N 7000E	201	202	< 5	1.0	3.96	32	210	< 0.5	< 2	1.43	< 0.5	16	28	222	4.31	10	< 1	0.25	10	0.96	1050
L3300N 7050E	201	202	< 5	< 0.2	1.54	60	120	< 0.5	< 2	0.23	< 0.5	9	13	34	3.54	10	1	0.07	< 10	0.44	125
L3300N 7100E	201	202	< 5	0.2	4.17	66	140	< 0.5	2	1.30	< 0.5	31	14	137	4.94	10	2	0.16	< 10	1.22	1385
L3300N 7150E	201	202	< 5	< 0.2	3.39	58	110	< 0.5	4	0.42	< 0.5	14	22	42	4.66	10	< 1	0.11	< 10	0.99	365
L3300N 7200E	201	202	10	< 0.2	5.62	34	140	< 0.5	2	1.08	< 0.5	36	34	189	5.84	10	2	0.19	< 10	1.75	415
L3300N 7300E	201	202	< 5	< 0.2	2.35	16	110	< 0.5	2	0.59	< 0.5	19	21	64	4.16	10	< 1	0.12	< 10	0.96	605
L3300N 7400E	201	202	< 5	0.4	3.04	24	190	< 0.5	< 2	0.57	< 0.5	14	23	37	3.53	< 10	< 1	0.20	< 10	1.00	295
L3300N 7500E	201	202	< 5	< 0.2	1.67	4	100	< 0.5	< 2	0.22	< 0.5	9	8	29	5.41	10	1	0.20	< 10	0.65	475
L3300N 7600E	201	202	< 5	< 0.2	1.96	24	90	< 0.5	4	0.19	< 0.5	8	14	29	4.71	10	< 1	0.06	< 10	0.47	235
L3300N 7700E	201	202	< 5	< 0.2	1.30	16	50	< 0.5	< 2	0.09	< 0.5	3	15	33	2.73	10	< 1	0.05	< 10	0.42	105

CERTIFICATION: Hai D Ma

Chemex Labs Ltd.

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

To: BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: NEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216656
P.O. Number :
Account : E

CERTIFICATE OF ANALYSIS A9216656

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L3300N 5500E	201	202	3	0.01	15	680	6	6	6	27	0.21	< 10	< 10	129	10	94
L3300N 5550E	201	202	5	0.01	12	1060	< 2	4	15	21	0.22	< 10	< 10	160	< 10	164
L3300N 5600E	201	202	9	< 0.01	31	570	< 2	4	7	21	0.20	< 10	< 10	136	< 10	326
L3300N 5650E	201	202	3	< 0.01	18	240	< 2	4	6	23	0.19	< 10	< 10	99	< 10	80
L3300N 5700E	201	202	2	0.01	15	1230	8	4	8	30	0.19	< 10	< 10	149	< 10	92
L3300N 5750E	201	202	2	0.01	8	910	8	2	5	15	0.16	< 10	< 10	107	< 10	76
L3300N 5800E	201	202	1	< 0.01	5	290	12	2	4	22	0.20	< 10	< 10	89	< 10	42
L3300N 5850E	201	202	2	0.01	17	730	< 2	4	7	37	0.21	< 10	< 10	108	< 10	88
L3300N 5900E	201	202	2	0.01	12	350	6	4	6	27	0.27	< 10	< 10	121	< 10	86
L3300N 5950E	201	202	< 1	0.06	54	1290	2	4	3	58	0.23	< 10	< 10	126	10	72
L3300N 6000E	201	202	3	0.02	28	590	10	6	8	62	0.19	< 10	< 10	119	10	142
L3300N 6050E	201	202	5	0.01	23	870	8	8	7	37	0.31	< 10	< 10	147	10	112
L3300N 6100E	201	202	4	0.01	14	1150	8	4	7	20	0.30	< 10	< 10	175	< 10	98
L3300N 6150E	201	202	2	0.01	15	490	8	6	7	27	0.29	< 10	< 10	140	< 10	154
L3300N 6200E	201	202	4	0.02	17	1250	6	4	8	25	0.23	< 10	< 10	142	< 10	236
L3300N 6250E	201	202	6	0.06	13	630	8	6	7	30	0.29	< 10	< 10	178	10	108
L3300N 6300E	201	202	3	0.01	17	670	12	4	6	30	0.23	< 10	< 10	127	< 10	134
L3300N 6350E	201	202	2	0.01	16	500	2	2	6	26	0.26	< 10	< 10	130	< 10	128
L3300N 6400E	201	202	3	0.02	15	510	4	4	6	25	0.23	< 10	< 10	128	< 10	90
L3300N 6450E	201	202	4	0.01	15	290	6	6	6	22	0.26	< 10	< 10	144	< 10	68
L3300N 6500E	201	202	4	0.04	32	950	6	6	6	109	0.09	< 10	< 10	98	10	114
L3300N 6550E	201	202	2	0.01	15	1010	4	4	6	21	0.17	< 10	< 10	115	10	108
L3300N 6600E	201	202	3	0.01	14	320	6	4	6	42	0.21	< 10	< 10	118	10	90
L3300N 6650E	201	202	1	0.01	14	640	4	4	6	19	0.19	< 10	< 10	113	< 10	108
L3300N 6700E	201	202	2	0.01	12	760	4	2	5	17	0.18	< 10	< 10	104	< 10	78
L3300N 6750E	201	202	1	0.01	12	1160	< 2	2	8	16	0.18	< 10	< 10	155	10	64
L3300N 6800E	201	202	2	0.01	6	390	2	4	5	12	0.18	< 10	< 10	128	< 10	40
L3300N 6850E	201	202	2	0.01	10	560	6	4	3	51	0.14	< 10	< 10	79	10	72
L3300N 6900E	201	202	2	0.07	25	730	8	2	9	70	0.23	< 10	< 10	119	10	82
L3300N 6950E	201	202	2	0.01	9	300	< 2	4	6	18	0.21	< 10	< 10	125	< 10	84
L3300N 7000E	201	202	3	0.04	19	490	6	4	11	50	0.15	< 10	< 10	115	20	82
L3300N 7050E	201	202	2	0.01	6	570	42	6	5	14	0.18	< 10	< 10	129	< 10	86
L3300N 7100E	201	202	4	0.14	14	790	4	8	15	54	0.26	< 10	< 10	199	20	72
L3300N 7150E	201	202	1	0.04	11	670	6	4	11	18	0.25	< 10	< 10	173	10	72
L3300N 7200E	201	202	< 1	0.18	24	770	6	2	19	22	0.21	< 10	< 10	222	20	60
L3300N 7300E	201	202	< 1	0.08	8	280	8	2	9	14	0.29	< 10	< 10	206	10	76
L3300N 7400E	201	202	2	0.04	15	560	< 2	4	8	43	0.19	< 10	< 10	113	10	60
L3300N 7500E	201	202	11	0.01	6	570	< 2	4	9	20	0.29	< 10	< 10	170	< 10	126
L3300N 7600E	201	202	18	0.01	11	840	< 2	6	6	12	0.20	< 10	< 10	119	< 10	110
L3300N 7700E	201	202	6	< 0.01	5	930	6	< 2	3	8	0.20	< 10	< 10	85	< 10	40

CERTIFICATION: [signature]

Chemex Labs Ltd.

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

To: BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: NEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216656
P.O. Number :
Account : E

CERTIFICATE OF ANALYSIS A9216656

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L3400N 4600E	201	202	< 5	0.4	1.92	50	120	< 0.5	2	0.23	< 0.5	6	14	12	2.63	10	1	0.05	< 10	0.43	165
L3400N 4700E	201	202	< 5	0.8	2.79	36	90	< 0.5	< 2	0.93	< 0.5	9	22	35	3.40	10	< 1	0.06	< 10	0.73	240
L3400N 4800E	201	202	< 5	8.0	2.80	16	120	< 0.5	4	0.83	< 0.5	12	25	29	3.70	10	< 1	0.09	< 10	1.15	515
L3400N 4900E	201	202	< 5	< 0.2	2.36	26	110	< 0.5	< 2	0.32	< 0.5	8	20	29	3.42	< 10	< 1	0.04	< 10	0.83	285
L3400N 5000E	201	202	< 5	0.8	4.19	78	300	< 0.5	< 2	1.20	< 0.5	18	31	102	4.94	10	< 1	0.16	10	1.20	1280
L3400N 5050E	201	202	< 5	< 0.2	2.49	32	120	< 0.5	2	0.46	< 0.5	13	23	27	3.68	< 10	1	0.07	< 10	1.17	420
L3400N 5100E	201	202	< 5	< 0.2	2.76	38	100	< 0.5	2	0.17	< 0.5	9	14	34	4.10	10	< 1	0.18	< 10	0.55	270
L3400N 5150E	201	202	< 5	< 0.2	3.78	50	150	< 0.5	4	0.17	< 0.5	11	21	57	4.32	10	< 1	0.06	< 10	0.83	285
L3400N 5200E	201	202	< 5	< 0.2	1.39	10	50	< 0.5	< 2	0.14	< 0.5	3	12	7	2.37	10	< 1	0.03	< 10	0.20	150
L3400N 5300E	201	202	< 5	< 0.2	1.73	6	40	< 0.5	4	0.24	< 0.5	5	7	12	3.33	10	< 1	0.04	< 10	0.56	240
L3400N 5350EA	201	202	< 5	1.2	5.54	52	240	< 0.5	< 2	1.14	< 0.5	17	34	150	5.48	10	< 1	0.17	< 10	1.10	1050
L3400N 5350EB	201	202	< 5	< 0.2	1.93	42	110	< 0.5	2	0.24	< 0.5	7	23	19	3.35	10	< 1	0.09	< 10	0.66	195
L3400N 5400E	201	202	< 5	< 0.2	1.74	12	70	< 0.5	4	0.27	< 0.5	8	16	16	2.75	< 10	1	0.09	< 10	0.85	250
L3400N 5450E	201	202	< 5	0.2	2.44	26	80	< 0.5	< 2	0.23	< 0.5	10	23	28	3.24	< 10	< 1	0.07	< 10	0.64	215
L3400N 5500E	201	202	< 5	0.2	1.85	18	70	< 0.5	< 2	0.19	< 0.5	8	23	16	3.63	10	< 1	0.05	< 10	0.58	230
L3400N 5550E	201	202	< 5	< 0.2	2.75	44	100	< 0.5	< 2	0.31	< 0.5	13	25	33	4.92	10	2	0.06	< 10	0.91	385
L3400N 5600E	201	202	< 5	< 0.2	2.28	22	110	< 0.5	< 2	0.33	< 0.5	9	19	23	3.93	10	< 1	0.07	< 10	0.59	370
L3400N 5650E	201	202	< 5	0.4	3.71	46	160	< 0.5	< 2	1.04	< 0.5	19	26	92	3.81	10	< 1	0.09	10	0.92	1835
L3400N 5700E	201	202	< 5	< 0.2	3.03	32	140	< 0.5	4	0.48	< 0.5	13	23	40	3.77	10	< 1	0.08	< 10	1.12	390
L3400N 5750E	201	202	< 5	< 0.2	2.66	34	260	< 0.5	< 2	0.39	< 0.5	13	23	31	4.50	10	< 1	0.11	< 10	1.16	425
L3400N 5800E	201	202	< 5	0.2	3.23	66	150	< 0.5	< 2	0.32	< 0.5	17	27	30	5.00	< 10	< 1	0.08	< 10	0.79	360
L3400N 5850E	201	202	< 5	0.2	2.75	42	110	< 0.5	< 2	0.44	< 0.5	10	28	28	3.72	< 10	< 1	0.08	10	1.06	395
L3400N 5900E	201	202	< 5	1.2	3.25	38	150	< 0.5	< 2	1.25	< 0.5	16	24	67	4.50	< 10	3	0.11	< 10	1.39	725
L3400N 5950E	201	202	< 5	1.0	3.35	46	170	< 0.5	< 2	1.20	0.5	15	29	76	4.27	< 10	< 1	0.12	10	1.10	1090
L3400N 6000E	201	202	< 5	0.4	3.11	38	180	< 0.5	< 2	1.43	< 0.5	14	27	50	4.18	< 10	2	0.24	10	1.16	1030
L3400N 6050E	201	202	< 5	0.6	2.84	36	190	< 0.5	< 2	0.96	< 0.5	12	28	36	3.94	< 10	< 1	0.18	< 10	1.07	475
L3400N 6100E	201	202	< 5	< 0.2	3.25	44	150	< 0.5	4	0.46	< 0.5	15	28	39	4.40	< 10	< 1	0.09	10	1.12	495
L3400N 6150E	201	202	< 5	< 0.2	1.92	16	60	< 0.5	2	0.39	< 0.5	6	22	17	3.39	< 10	< 1	0.07	< 10	0.66	240
L3400N 6200E	201	202	< 5	< 0.2	3.93	54	450	< 0.5	2	1.02	< 0.5	17	24	59	5.49	< 10	< 1	0.52	< 10	1.82	945
L3400N 6250E	201	202	< 5	2.8	6.15	92	410	< 0.5	< 2	1.57	< 0.5	19	45	315	6.34	10	< 1	0.35	20	1.03	3340
L3400N 6300E	201	202	< 5	1.0	3.38	52	260	< 0.5	< 2	2.12	0.5	18	34	82	4.07	< 10	< 1	0.15	10	0.80	3160
L3400N 6400E	201	202	< 5	< 0.2	2.75	70	110	< 0.5	< 2	0.31	< 0.5	8	29	24	4.52	< 10	< 1	0.10	< 10	0.80	270
L3400N 6500E	201	202	< 5	0.8	3.11	68	270	< 0.5	< 2	1.85	< 0.5	14	26	91	3.59	< 10	< 1	0.15	10	0.90	1415
L3500N 3800E	201	202	< 5	< 0.2	3.31	42	110	< 0.5	< 2	0.22	< 0.5	10	23	24	6.40	< 10	< 1	0.07	< 10	1.02	535
L3500N 3900E	201	202	< 5	< 0.2	2.96	176	160	< 0.5	< 2	0.40	< 0.5	16	23	77	4.53	< 10	1	0.06	< 10	0.84	635
L3500N 3950E	201	202	< 5	< 0.2	2.33	150	140	< 0.5	< 2	0.53	< 0.5	11	19	26	3.66	< 10	< 1	0.05	< 10	0.86	385
L3500N 4000E	201	202	< 5	0.6	2.81	64	210	< 0.5	< 2	1.41	< 0.5	14	25	59	3.86	< 10	< 1	0.10	10	0.86	2720
L3500N 4050E	201	202	< 5	< 0.2	2.79	44	120	< 0.5	< 2	0.33	< 0.5	9	21	23	4.25	< 10	< 1	0.07	< 10	0.66	320
L3500N 4100E	201	202	< 5	< 0.2	3.51	316	130	< 0.5	< 2	0.47	< 0.5	15	21	39	5.01	< 10	3	0.11	< 10	1.03	595
L3500N 4200E	201	202	< 5	< 0.2	3.52	280	150	< 0.5	< 2	0.40	< 0.5	16	20	30	4.85	< 10	< 1	0.14	10	0.91	830

CERTIFICATION: Thai D'Ma

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

BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: NEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216656
P.O. Number :
Account :E

CERTIFICATE OF ANALYSIS A9216656

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L3400N 4600E	201	202	2	< 0.01	7	180	18	2	4	47	0.13	< 10	< 10	81	< 10	168
L3400N 4700E	201	202	1	0.02	17	370	2	2	6	61	0.17	< 10	< 10	90	10	110
L3400N 4800E	201	202	1	0.02	15	280	128	4	8	54	0.17	< 10	< 10	109	10	156
L3400N 4900E	201	202	< 1	0.01	10	330	2	2	6	27	0.17	< 10	< 10	94	10	64
L3400N 5000E	201	202	2	0.02	29	840	12	6	10	95	0.07	< 10	< 10	110	10	160
L3400N 5050E	201	202	1	0.01	12	200	< 2	4	7	41	0.17	< 10	< 10	104	10	72
L3400N 5100E	201	202	1	< 0.01	8	800	4	< 2	4	25	0.15	< 10	< 10	96	< 10	88
L3400N 5150E	201	202	1	< 0.01	15	820	4	6	7	21	0.17	< 10	< 10	118	< 10	62
L3400N 5200E	201	202	1	< 0.01	3	580	8	4	2	12	0.06	< 10	< 10	74	< 10	34
L3400N 5300E	201	202	< 1	0.01	2	1520	4	4	3	16	0.19	< 10	< 10	70	< 10	52
L3400N 5350EA	201	202	1	0.02	30	680	10	6	10	71	0.09	< 10	< 10	109	20	188
L3400N 5350EB	201	202	2	0.01	14	440	4	6	4	22	0.21	< 10	< 10	109	< 10	54
L3400N 5400E	201	202	< 1	< 0.01	9	670	< 2	4	4	23	0.16	< 10	< 10	81	< 10	60
L3400N 5450E	201	202	1	0.01	14	990	2	6	4	18	0.14	< 10	< 10	81	< 10	50
L3400N 5500E	201	202	1	0.01	11	670	2	2	4	15	0.17	< 10	< 10	103	< 10	72
L3400N 5550E	201	202	2	0.01	16	680	8	6	6	23	0.19	< 10	< 10	147	10	148
L3400N 5600E	201	202	1	0.02	10	480	8	< 2	5	19	0.18	< 10	< 10	120	< 10	74
L3400N 5650E	201	202	4	0.02	25	730	2	6	8	63	0.12	< 10	< 10	92	10	116
L3400N 5700E	201	202	< 1	0.01	16	570	4	< 2	7	38	0.18	< 10	< 10	105	10	68
L3400N 5750E	201	202	3	0.01	16	850	4	4	6	36	0.22	< 10	< 10	130	10	120
L3400N 5800E	201	202	3	0.01	26	880	8	6	7	29	0.19	< 10	< 10	123	< 10	152
L3400N 5850E	201	202	2	0.01	15	220	4	4	9	37	0.25	< 10	< 10	123	< 10	136
L3400N 5900E	201	202	3	0.09	24	800	6	6	10	74	0.24	< 10	< 10	137	10	152
L3400N 5950E	201	202	2	0.02	25	710	8	4	8	75	0.17	< 10	< 10	116	10	126
L3400N 6000E	201	202	2	0.03	20	530	2	6	9	85	0.20	< 10	< 10	116	10	112
L3400N 6050E	201	202	2	0.02	19	490	10	6	8	69	0.21	< 10	< 10	115	< 10	124
L3400N 6100E	201	202	1	0.02	21	560	14	4	9	38	0.24	< 10	< 10	126	< 10	130
L3400N 6150E	201	202	1	0.01	11	400	8	4	6	29	0.24	< 10	< 10	113	< 10	70
L3400N 6200E	201	202	3	0.02	21	770	< 2	4	12	68	0.32	< 10	< 10	141	10	140
L3400N 6250E	201	202	13	0.03	74	1880	12	6	17	108	0.09	< 10	10	123	10	122
L3400N 6300E	201	202	7	0.03	34	710	4	4	8	132	0.13	< 10	< 10	84	10	168
L3400N 6400E	201	202	4	0.01	15	1010	6	6	6	25	0.23	< 10	< 10	143	< 10	96
L3400N 6500E	201	202	5	0.02	24	680	20	6	8	99	0.15	< 10	< 10	101	10	184
L3500N 3800E	201	202	2	< 0.01	8	1190	8	8	9	24	0.24	< 10	< 10	170	< 10	118
L3500N 3900E	201	202	2	0.01	19	310	2	4	7	28	0.20	< 10	< 10	122	< 10	198
L3500N 3950E	201	202	3	< 0.01	10	130	< 2	6	6	35	0.19	< 10	< 10	110	< 10	138
L3500N 4000E	201	202	5	0.02	22	500	4	6	8	68	0.15	< 10	< 10	109	10	108
L3500N 4050E	201	202	3	< 0.01	17	700	2	4	6	31	0.18	< 10	< 10	110	< 10	106
L3500N 4100E	201	202	5	0.01	19	310	16	10	9	60	0.19	< 10	< 10	133	< 10	302
L3500N 4200E	201	202	4	0.01	16	610	6	6	8	37	0.19	< 10	< 10	118	< 10	256

CERTIFICATION:

Chemex Labs Ltd.
Analytical Chemists • Geochemists • Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: NEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216656
P.O. Number :
Account : E

CERTIFICATE OF ANALYSIS A9216656

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L3500N 4300E	201 202	< 5	< 0.2	3.21	96	110	< 0.5	2	0.24	< 0.5	14	23	27	4.35	10	< 1	0.08	< 10	0.84	340
L3500N 4400E	201 202	< 5	< 0.2	4.82	36	50	< 0.5	2	0.36	< 0.5	19	40	84	4.69	10	1	0.04	< 10	1.15	410
L3500N 4500E	201 202	< 5	< 0.2	2.64	46	100	< 0.5	< 2	0.31	< 0.5	9	21	21	4.20	10	< 1	0.07	< 10	0.75	295
L3500N 6400E	201 202	< 5	< 0.2	2.62	62	150	< 0.5	< 2	0.30	< 0.5	10	31	23	3.71	10	1	0.14	< 10	0.87	265
L3500N 6450E	201 202	< 5	< 0.2	2.63	56	250	< 0.5	< 2	0.39	< 0.5	11	30	31	3.35	10	< 1	0.22	< 10	0.89	325
L3500N 6500E	201 202	< 5	< 0.2	1.58	30	100	< 0.5	< 2	0.21	< 0.5	4	20	19	2.63	10	< 1	0.09	< 10	0.53	180
L3550N 3950E	201 202	< 5	< 0.2	1.55	4	70	< 0.5	4	0.18	< 0.5	4	14	16	3.33	10	< 1	0.04	< 10	0.62	185
L3550N 3975E	201 202	< 5	0.8	2.80	392	170	< 0.5	< 2	0.97	1.5	16	23	54	3.67	10	< 1	0.07	< 10	0.95	990
L3550N 4000E	201 202	< 5	< 0.2	3.84	88	200	< 0.5	< 2	0.27	< 0.5	14	23	27	4.54	10	< 1	0.10	< 10	0.91	330
L3550N 4025E	201 202	< 5	< 0.2	2.07	360	540	< 0.5	< 2	0.20	2.0	14	13	24	6.92	10	< 1	0.05	< 10	0.38	865
L3550N 4050E	201 202	< 5	< 0.2	2.64	680	70	< 0.5	< 2	0.52	< 0.5	14	13	33	3.93	10	< 1	0.08	10	0.92	870
L3575N 4000E	201 202	< 5	< 0.2	3.46	154	180	< 0.5	< 2	0.25	< 0.5	12	18	34	3.87	10	< 1	0.06	< 10	1.00	315
L3600N 3975E	201 202	< 5	< 0.2	3.93	628	150	< 0.5	2	0.42	< 0.5	26	29	41	5.49	10	< 1	0.06	< 10	1.62	240
L3600N 4000E	201 202	< 5	< 0.2	2.29	224	80	< 0.5	< 2	0.37	3.0	16	19	18	4.21	10	< 1	0.07	< 10	0.52	930
L3600N 4025E	201 202	905	5.6	3.65	>10000	170	< 0.5	< 2	0.49	15.5	18	22	50	6.22	10	1	0.11	< 10	0.81	1120
L3600N 4050E	201 202	< 5	< 0.2	3.74	174	140	< 0.5	4	0.29	< 0.5	15	23	40	4.36	10	< 1	0.06	< 10	1.07	310
L3600N 6300E	201 202	< 5	< 0.2	2.78	54	150	< 0.5	2	0.55	< 0.5	14	24	23	3.97	10	2	0.13	< 10	0.96	640
L3600N 6400E	201 202	< 5	0.4	3.42	104	190	< 0.5	2	0.35	< 0.5	15	33	47	4.18	10	1	0.16	10	0.99	465
L3600N 6500E	201 202	< 5	0.4	1.68	64	90	< 0.5	< 2	0.23	< 0.5	5	20	15	2.38	10	< 1	0.10	< 10	0.59	190
L3700N 3800E	201 202	< 5	< 0.2	3.82	34	150	< 0.5	< 2	0.26	< 0.5	15	29	29	4.66	10	< 1	0.08	< 10	1.03	475
L3700N 3900E	201 202	< 5	0.2	3.08	20	160	< 0.5	< 2	0.40	< 0.5	14	22	37	4.15	10	1	0.05	< 10	1.32	345
L3700N 4000E	201 202	< 5	< 0.2	3.02	18	130	< 0.5	< 2	0.28	< 0.5	13	20	28	3.68	10	< 1	0.06	< 10	0.97	305
L3700N 4050E	201 202	< 5	< 0.2	4.73	402	110	< 0.5	< 2	0.43	1.0	14	21	29	4.83	10	< 1	0.06	< 10	0.97	350
L3700N 4100E	201 202	< 5	0.2	3.33	94	160	< 0.5	< 2	0.49	< 0.5	13	25	39	3.98	10	< 1	0.07	< 10	1.19	380
L3700N 5800E	201 202	< 5	0.8	1.73	130	90	< 0.5	2	0.46	< 0.5	8	24	41	2.94	10	< 1	0.04	< 10	0.64	215
L3700N 5850E	201 202	< 5	0.6	2.80	160	110	< 0.5	4	0.37	< 0.5	13	29	38	3.95	10	< 1	0.09	< 10	0.90	315
L3700N 5900E	201 202	< 5	0.2	2.53	136	130	< 0.5	< 2	0.28	< 0.5	10	28	24	4.04	10	< 1	0.08	< 10	0.78	295
L3700N 5950E	201 202	< 5	0.6	2.70	100	160	< 0.5	4	0.52	0.5	10	24	68	3.55	10	1	0.07	10	0.65	245
L3700N 6500E	201 202	< 5	< 0.2	1.34	60	80	< 0.5	< 2	0.23	< 0.5	5	19	17	2.37	< 10	< 1	0.09	< 10	0.56	190
L3800N 5175E	201 202	< 5	2.6	4.23	654	120	< 0.5	6	0.29	2.0	13	23	70	4.55	10	< 1	0.07	< 10	0.73	315
L3800N 5225E	201 202	< 5	1.2	2.39	518	50	< 0.5	2	0.19	1.0	9	18	40	4.16	10	< 1	0.04	< 10	0.73	290
L3800N 5250E	201 202	< 5	10.4	4.52	588	70	< 0.5	2	1.01	< 0.5	26	25	252	4.49	10	< 1	0.09	10	0.82	605
L3900N 3800E	201 202	< 5	< 0.2	3.07	64	140	< 0.5	< 2	0.13	< 0.5	14	29	48	5.52	10	1	0.07	< 10	1.23	190
L3900N 3900E	201 202	< 5	0.6	3.11	84	380	< 0.5	< 2	1.70	0.5	13	21	78	3.26	10	2	0.06	10	0.66	765
L3900N 4000E	201 202	< 5	< 0.2	2.68	24	90	< 0.5	< 2	0.19	< 0.5	7	20	22	4.70	10	1	0.04	< 10	0.82	260
L3900N 4100E	201 202	< 5	< 0.2	2.54	224	80	< 0.5	< 2	0.34	< 0.5	11	17	22	3.51	10	4	0.03	< 10	1.00	365
L4100N 3800E	201 202	< 5	< 0.2	1.28	50	40	< 0.5	< 2	0.19	< 0.5	7	14	19	5.21	10	< 1	0.06	< 10	0.45	210
L4100N 3900E	201 202	< 5	< 0.2	1.69	10	70	< 0.5	< 2	0.24	< 0.5	6	14	16	2.77	< 10	< 1	0.03	< 10	0.65	240
L4100N 4000E	201 202	< 5	< 0.2	1.91	4	140	< 0.5	2	0.87	< 0.5	9	19	28	2.98	< 10	< 1	0.12	< 10	0.84	395
L4100N 4100E	201 202	< 5	0.8	2.21	574	130	< 0.5	2	1.91	< 0.5	11	18	92	3.81	10	< 1	0.07	10	0.52	420

CERTIFICATION: Hai D Ma

Chemex Labs Ltd.

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

BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: NEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216656
P.O. Number :
Account : E

CERTIFICATE OF ANALYSIS A9216656

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L3500N 4300E	201	202	1	0.01	20	660	8	6	7	25	0.19	< 10	< 10	115	< 10	162
L3500N 4400E	201	202	7	0.05	72	740	8	4	13	32	0.20	< 10	< 10	151	10	172
L3500N 4500E	201	202	2	0.01	11	780	8	2	6	28	0.19	< 10	< 10	120	10	94
L3500N 6400E	201	202	2	0.01	18	930	8	4	7	22	0.19	< 10	< 10	113	< 10	84
L3500N 6450E	201	202	1	0.02	19	860	8	4	7	31	0.18	< 10	< 10	98	10	84
L3500N 6500E	201	202	3	0.01	9	660	12	2	5	18	0.19	< 10	< 10	90	< 10	70
L3550N 3950E	201	202	1	0.01	3	290	< 2	2	4	11	0.27	< 10	< 10	140	< 10	54
L3550N 3975E	201	202	3	0.02	22	360	< 2	6	6	41	0.15	< 10	< 10	98	10	556
L3550N 4000E	201	202	4	0.01	15	600	12	2	8	21	0.18	< 10	< 10	128	10	178
L3550N 4025E	201	202	12	0.01	5	1030	382	140	3	20	0.09	< 10	< 10	77	10	1180
L3550N 4050E	201	202	2	0.01	11	560	10	6	9	32	0.18	< 10	< 10	86	10	262
L3575N 4000E	201	202	2	0.01	14	410	20	4	7	24	0.17	< 10	< 10	118	< 10	190
L3600N 3975E	201	202	3	0.01	14	370	12	4	12	23	0.21	< 10	< 10	212	10	384
L3600N 4000E	201	202	4	0.01	14	350	32	8	6	20	0.20	< 10	< 10	142	10	1620
L3600N 4025E	201	202	6	0.01	18	570	132	54	7	40	0.12	< 10	< 10	146	20	2500
L3600N 4050E	201	202	4	0.01	20	360	20	6	9	26	0.21	< 10	< 10	144	10	244
L3600N 6300E	201	202	1	0.03	16	610	18	4	7	42	0.20	< 10	< 10	100	10	140
L3600N 6400E	201	202	3	0.02	23	440	10	2	9	31	0.18	< 10	< 10	113	10	108
L3600N 6500E	201	202	2	0.01	11	590	12	2	5	17	0.17	< 10	< 10	82	< 10	64
L3700N 3800E	201	202	1	0.01	16	1770	8	2	8	24	0.17	< 10	< 10	133	10	366
L3700N 3900E	201	202	1	0.02	11	240	6	4	9	23	0.22	< 10	< 10	136	10	200
L3700N 4000E	201	202	< 1	0.01	11	510	4	4	6	23	0.14	< 10	< 10	98	10	84
L3700N 4050E	201	202	3	0.01	15	550	10	8	9	41	0.22	< 10	< 10	117	10	846
L3700N 4100E	201	202	2	0.02	16	250	2	< 2	8	36	0.16	< 10	< 10	115	10	172
L3700N 5800E	201	202	4	0.01	9	300	26	6	6	31	0.18	< 10	< 10	92	10	122
L3700N 5850E	201	202	5	0.01	17	510	26	2	7	29	0.18	< 10	< 10	104	10	138
L3700N 5900E	201	202	4	0.01	14	890	16	4	5	19	0.18	< 10	< 10	111	10	130
L3700N 5950E	201	202	2	0.01	22	490	28	2	7	39	0.11	< 10	< 10	92	10	94
L3700N 6500E	201	202	1	0.01	8	650	12	2	4	19	0.15	< 10	< 10	74	< 10	52
L3800N 5175E	201	202	10	0.01	16	1270	98	8	7	30	0.15	< 10	< 10	99	10	504
L3800N 5225E	201	202	3	0.01	8	390	210	20	9	18	0.19	< 10	< 10	84	10	486
L3800N 5250E	201	202	3	0.03	31	880	70	16	11	49	0.14	< 10	< 10	93	10	346
L3900N 3800E	201	202	2	0.01	11	830	2	6	11	9	0.23	< 10	< 10	185	10	108
L3900N 3900E	201	202	2	0.01	18	760	8	4	6	111	0.07	< 10	< 10	83	10	136
L3900N 4000E	201	202	3	0.01	10	480	10	4	6	17	0.19	< 10	< 10	137	10	116
L3900N 4100E	201	202	2	0.01	9	180	8	< 2	7	25	0.16	< 10	< 10	102	10	182
L4100N 3800E	201	202	9	0.01	15	420	2	6	5	13	0.28	< 10	< 10	203	10	118
L4100N 3900E	201	202	< 1	< 0.01	8	350	10	4	4	21	0.12	< 10	< 10	78	< 10	64
L4100N 4000E	201	202	1	0.01	9	400	4	2	6	40	0.13	< 10	< 10	82	10	74
L4100N 4100E	201	202	1	0.01	18	580	8	8	7	73	0.09	< 10	< 10	62	10	106

CERTIFICATION: Thai D Ma

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

BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: NEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216656
P.O. Number :
Account : E

CERTIFICATE OF ANALYSIS A9216656

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L4300N 3800E	201	202	< 5	2.0	4.49	58	200	< 0.5	< 2	1.64	< 0.5	12	37	226	4.36	10	< 1	0.10	20	0.71	465
L4300N 3900E	201	202	< 5	< 0.2	2.58	6	100	< 0.5	< 2	0.26	< 0.5	9	19	23	3.37	< 10	< 1	0.04	< 10	0.34	175
L4300N 4000E	201	202	< 5	< 0.2	1.99	82	120	< 0.5	< 2	0.66	< 0.5	9	20	31	3.04	10	< 1	0.05	< 10	0.65	360
L4300N 4100E	201	202	< 5	0.4	2.58	130	170	< 0.5	< 2	1.25	< 0.5	12	25	91	3.71	10	< 1	0.09	10	0.80	740

CERTIFICATION: ____________

Chemex Labs Ltd.

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

BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: NEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216656
P.O. Number :
Account : E

CERTIFICATE OF ANALYSIS A9216656

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L4300N 3800E	201	202	2	0.02	36	450	14	4	20	84	0.08	< 10	< 10	90	20	66
L4300N 3900E	201	202	1	0.01	8	720	4	2	5	19	0.14	< 10	< 10	92	< 10	70
L4300N 4000E	201	202	< 1	0.01	11	310	4	2	5	33	0.15	< 10	< 10	84	< 10	80
L4300N 4100E	201	202	1	0.02	20	540	7	5	10	58	0.16	< 10	< 10	92	10	130

CERTIFICATION: Hart Bichler

APPENDIX V

ROCK GEOCHEMICAL LAB REPORTS

Chemex Labs Ltd.

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

To: BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: NEIL LENOBEL CC: TOM POLLOCK

Page Number : 1-A
Total Pages : 1
Certificate Date: 02-JUL-92
Invoice No. : I9216664
P.O. Number :
Account : E

CERTIFICATE OF ANALYSIS A9216664

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
92BENPR-1	205	274	< 5	< 0.2	3.16	16	120	< 0.5	2	2.06	< 0.1	20	41	67	5.94	10	1	0.13	10	2.45	1365
92BENPR-2	205	274	< 5	< 0.2	2.75	4	70	< 0.5	< 2	6.97	< 0.1	17	24	35	3.80	< 10	< 1	0.13	< 10	1.86	1075
92BENPR-3	205	274	< 5	< 0.2	2.12	14	70	< 0.5	< 2	0.15	< 0.1	5	46	37	3.68	10	< 1	0.14	10	1.06	515
92BENPR-4	205	274	85	8.6	2.07	938	20	< 0.5	< 2	0.97	37.0	7	80	99	2.83	< 10	2	0.24	< 10	0.36	370
92BENPR-5	205	274	< 5	0.2	2.96	106	180	< 0.5	< 2	1.61	0.2	6	158	87	2.54	10	1	0.46	< 10	0.69	200
92BENPR-6	205	274	< 5	3.6	1.20	588	30	< 0.5	< 2	1.35	2.4	6	96	104	2.12	< 10	1	0.15	< 10	0.28	120
92BENPR-7	205	274	< 5	< 0.2	4.14	14	140	< 0.5	< 2	2.39	0.2	10	53	68	2.63	10	< 1	0.58	< 10	0.91	230
92BENPR-8	205	274	< 5	0.2	1.08	2	30	< 0.5	< 2	0.39	< 0.1	2	51	16	2.34	< 10	< 1	0.32	10	0.28	135
92BENPR-9	205	274	540	31.0	3.36	>10000	30	< 0.5	2	1.69	9.0	30	44	175	4.10	10	< 1	0.38	< 10	0.47	410
92BENWR-1	205	274	20	4.0	5.21	604	30	< 0.5	< 2	3.01	1.0	7	93	115	3.26	10	< 1	0.52	< 10	1.01	360
92BENWR-3	205	274	< 5	0.8	0.40	300	40	< 0.5	4	0.49	< 0.1	8	110	181	1.53	< 10	1	0.10	10	0.26	65
92BENWR-4	205	274	< 5	2.4	0.84	182	10	< 0.5	2	3.24	0.3	7	83	467	3.74	10	1	0.01	10	0.15	840
92BENWR-6	205	274	35	4.4	0.20	308	< 10	< 0.5	2	0.70	0.4	8	48	187	1.45	< 10	< 1	0.01	10	0.08	30
92BENWR-7	205	274	< 5	0.2	3.00	38	110	< 0.5	< 2	0.75	< 0.1	10	65	95	3.57	10	< 1	0.76	< 10	1.03	235
92BENWR-8	205	274	265	18.8	0.53	736	10	< 0.5	4	1.77	4.6	10	71	379	3.84	< 10	< 1	0.02	< 10	0.09	370
92BENWR-9	205	274	960	70.2	7.07	3650	140	< 0.5	10	3.77	6.3	17	91	280	4.31	20	3	1.50	10	1.58	1390
92BENWR-10	205	274	1100	102.0	5.69	1465	40	< 0.5	12	3.08	19.8	14	93	596	5.55	10	< 1	1.10	10	1.29	1215
92BENWR-11	205	274	50	14.8	1.46	294	20	< 0.5	< 2	0.55	5.2	8	99	204	3.94	< 10	< 1	0.27	< 10	0.34	335
92BENWR-13	205	274	685	12.2	2.71	>10000	30	< 0.5	4	1.21	46.0	16	45	192	3.79	10	< 1	0.71	< 10	0.63	385
92BENWR-15	205	274	10	0.4	2.25	146	70	< 0.5	< 2	1.83	1.0	15	85	631	5.21	10	< 1	0.42	< 10	0.58	445
92BENWR-16	205	274	< 5	0.4	1.87	24	80	< 0.5	6	1.01	< 0.1	10	89	168	2.94	10	< 1	0.45	< 10	0.68	320
92BENWR-20	205	274	605	60.4	5.79	>10000	60	< 0.5	6	3.02	8.3	20	70	281	4.71	10	1	0.93	< 10	1.05	615
92BENWR-21	205	274	540	7.8	1.79	>10000	20	< 0.5	< 2	0.82	4.0	62	50	249	4.22	10	< 1	0.29	< 10	0.30	505
92BENWR-24	205	274	980	47.8	4.81	5420	40	< 0.5	< 2	2.66	36.0	9	145	189	3.54	10	< 1	0.53	< 10	0.67	710
92BENWR-27	205	274	635	6.8	0.82	1655	60	< 0.5	10	0.38	28.0	6	71	73	1.78	< 10	< 1	0.23	< 10	0.18	150
92BENWR-28	205	274	35	0.8	1.87	22	60	< 0.5	12	0.61	< 0.1	3	31	81	3.37	10	< 1	0.84	< 10	0.44	260
92BENWR-29	205	274	20	5.6	3.05	256	60	< 0.5	4	1.04	1.0	3	109	96	2.71	10	< 1	0.73	< 10	1.02	355
92BENWR-30	205	274	790	57.8	0.14	>10000	< 10	< 0.5	34	0.03	1.5	25	284	345	3.15	< 10	< 1	0.03	< 10	0.02	25
92BENWR-32	205	274	4900	73.8	0.28	>10000	< 10	< 0.5	12	0.08	3.0	104	29	2170	>15.00	30	< 1	0.06	< 10	0.07	80

CERTIFICATION:

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

BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: NEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 02-JUL-92
Invoice No. : I9216664
P.O. Number :
Account :E

CERTIFICATE OF ANALYSIS A9216664

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
92BENPR-1	205	274	< 1	0.02	19	1320	4	2	10	93	0.13	< 10	< 10	117	20	156
92BENPR-2	205	274	< 1	0.02	5	1180	< 2	4	4	105	0.26	< 10	< 10	87	20	76
92BENPR-3	205	274	1	0.02	7	270	< 2	4	3	13	< 0.01	< 10	< 10	41	< 10	68
92BENPR-4	205	274	3	0.12	2	1230	114	14	4	24	0.01	< 10	< 10	21	10	1940
92BENPR-5	205	274	82	0.26	8	400	2	2	9	99	0.10	< 10	< 10	76	190	60
92BENPR-6	205	274	15	0.15	27	910	40	4	5	51	0.09	< 10	< 10	85	< 10	138
92BENPR-7	205	274	9	0.48	18	940	8	6	3	280	0.15	< 10	< 10	78	10	72
92BENPR-8	205	274	7	0.06	1	980	4	4	1	48	0.01	< 10	< 10	10	< 10	20
92BENPR-9	205	274	2	0.30	8	1830	580	108	7	91	0.05	< 10	< 10	102	10	468
92BENWR-1	205	274	9	0.19	19	500	118	8	11	192	0.10	< 10	< 10	83	20	104
92BENWR-3	205	274	115	0.04	8	1370	2	4	< 1	19	0.07	< 10	< 10	25	< 10	24
92BENWR-4	205	274	4	0.03	2	1320	< 2	6	3	11	0.08	< 10	< 10	22	10	54
92BENWR-6	205	274	136	0.04	4	1940	56	8	< 1	17	0.07	< 10	< 10	14	< 10	20
92BENWR-7	205	274	1	0.12	8	250	18	8	13	53	0.11	< 10	< 10	87	10	62
92BENWR-8	205	274	15	0.06	5	980	1255	286	1	15	0.09	< 10	< 10	28	10	26
92BENWR-9	205	274	13	0.28	9	1600	1815	24	18	161	0.22	< 10	< 10	167	40	498
92BENWR-10	205	274	20	0.19	12	2040	2520	26	17	85	0.26	< 10	< 10	149	50	740
92BENWR-11	205	274	< 1	0.06	7	1740	50	16	5	9	0.02	< 10	< 10	15	< 10	242
92BENWR-13	205	274	2	0.28	7	1540	614	18	13	42	0.07	< 10	< 10	151	20	958
92BENWR-15	205	274	3	0.29	13	650	10	4	10	73	0.20	< 10	< 10	103	70	46
92BENWR-16	205	274	570	0.15	3	960	4	8	3	69	0.06	< 10	< 10	61	10	46
92BENWR-20	205	274	4	0.36	18	1310	1360	54	14	203	0.07	< 10	< 10	148	30	542
92BENWR-21	205	274	5	0.08	4	2670	162	78	2	14	0.02	< 10	< 10	34	< 10	84
92BENWR-24	205	274	22	0.11	6	1620	714	212	6	112	0.09	< 10	< 10	82	20	1200
92BENWR-27	205	274	2	0.05	2	970	270	6	1	69	0.02	< 10	< 10	13	< 10	276
92BENWR-28	205	274	< 1	0.06	< 1	1480	8	6	7	39	0.10	< 10	< 10	51	10	62
92BENWR-29	205	274	3	0.22	7	370	34	10	11	59	0.10	< 10	< 10	41	10	160
92BENWR-30	205	274	2	< 0.01	6	110	956	70	< 1	1	< 0.01	< 10	< 10	5	< 10	26
92BENWR-32	205	274	< 1	< 0.01	39	200	170	136	3	2	0.01	< 10	< 10	28	< 50	76

CERTIFICATION: [signature]

Chemex Labs Ltd.

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

To: BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (2211)
Comments: ATTN: NEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 06-JUL-92
Invoice No. : I9216757
P.O. Number :
Account : E

CERTIFICATE OF ANALYSIS A9216757

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
92BENWR-02	205	274	75	1.4	3.86	6340	90	2.0	< 2	2.06	30.0	8	30	83	4.26	10	< 1	0.76	< 10	0.89	710
92BENWR-05	205	274	120	0.8	1.21	62	50	1.0	2	0.49	0.3	5	93	230	2.98	< 10	< 1	0.29	10	0.33	120
92BENWR-12	205	274	25	3.2	5.14	294	80	2.0	< 2	2.90	0.2	6	88	137	3.34	< 10	< 1	0.86	< 10	0.99	465
92BENWR-14	205	274	< 5	< 0.2	5.30	< 2	100	1.0	2	2.89	0.4	6	76	34	3.10	10	< 1	1.05	< 10	0.88	480
92BENWR-17	205	274	< 5	< 0.2	3.77	44	120	< 0.5	2	1.33	< 0.1	14	23	44	5.84	< 10	< 1	0.81	< 10	1.62	970
92BENWR-18	205	274	480	16.2	1.93	>10000	30	< 0.5	16	1.20	21.0	15	141	214	5.79	< 10	< 1	0.22	< 10	0.28	290
92BENWR-19	205	274	40	1.0	2.73	3210	70	0.5	4	1.14	1.7	3	107	199	2.22	10	< 1	0.58	10	0.73	130
92BENWR-22	205	274	80	3.8	2.65	2750	40	1.5	2	1.24	1.7	9	64	128	2.05	< 10	1	0.37	10	0.33	590
92BENWR-23	205	274	165	9.2	3.55	674	60	1.0	< 2	2.02	0.4	7	40	88	2.26	< 10	< 1	0.81	10	0.52	270
92BENWR-25	205	274	< 5	0.4	0.81	18	10	0.5	< 2	0.31	1.5	5	97	21	1.69	< 10	< 1	0.04	10	0.62	875
92BENWR-26	205	274	< 5	1.2	0.49	26	< 10	< 0.5	< 2	0.20	1.5	3	81	18	1.57	< 10	< 1	0.02	10	0.35	515

CERTIFICATION: [signature]

Chemex Labs Ltd.

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

To: BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (2211)
Comments: ATTN: NEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 06-JUL-92
Invoice No. : I9216757
P.O. Number :
Account :E

CERTIFICATE OF ANALYSIS A9216757

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
92BENWR-02	205	274	1	0.34	< 1	2300	80	16	9	133	0.11	< 10	< 10	71	20	832
92BENWR-05	205	274	40	0.15	1	530	8	4	5	24	0.10	< 10	< 10	15	< 10	54
92BENWR-12	205	274	1	0.16	5	820	128	10	14	209	0.20	< 10	< 10	64	10	52
92BENWR-14	205	274	9	0.31	8	530	8	2	11	264	0.17	< 10	< 10	66	10	106
92BENWR-17	205	274	1	0.31	2	1480	2	10	9	117	0.08	< 10	< 10	98	10	76
92BENWR-18	205	274	8	0.06	26	340	404	244	3	56	0.03	< 10	< 10	64	20	1190
92BENWR-19	205	274	36	0.29	6	1120	10	4	3	35	0.10	< 10	< 10	56	30	108
92BENWR-22	205	274	6	0.18	5	2780	102	68	3	33	0.01	< 10	< 10	54	< 10	76
92BENWR-23	205	274	5	0.33	4	3160	646	316	8	108	0.13	< 10	< 10	162	10	82
92BENWR-25	205	274	3	0.14	12	920	34	4	3	18	0.03	< 10	< 10	30	< 10	216
92BENWR-26	205	274	2	0.11	10	450	68	< 2	2	11	0.02	< 10	< 10	14	< 10	230

CERTIFICATION: Hai D Ma

Chemex Labs Ltd.

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

BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: NEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 07-JUL-92
Invoice No. : I9216665
P.O. Number :
Account : E

CERTIFICATE OF ANALYSIS A9216665

SAMPLE	PREP CODE		Au ppb FA+AA	Au FA oz/T	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
92BENWR-31	208	274	500	-----	64.8	0.06	5610	< 10	< 0.5	44	0.02	6.0	6	434	157	1.31	< 10	< 1	< 0.01	< 10	< 0.01
92BENWR-34	208	274	1550	-----	86.2	1.54	>10000	50	< 0.5	40	0.59	5.0	42	253	558	5.84	< 10	< 1	0.23	10	0.19
92BENWR-35	208	274	1810	-----	133.5	2.08	>10000	70	< 0.5	96	0.78	17.0	19	139	301	5.19	< 10	< 1	0.56	10	0.54
92BENWR-37	208	274	>10000	0.362	>200	1.71	>10000	30	< 0.5	20	0.99	71.0	25	113	257	>15.00	< 10	< 1	0.25	< 10	0.29
92BENWR-38	208	274	< 5	-----	2.8	2.69	410	1380	< 0.5	< 2	14.90	1.0	6	87	46	1.63	< 10	< 1	0.21	< 10	0.40
92BENWR-39	208	274	90	-----	14.6	2.51	432	450	< 0.5	2	1.97	176.0	11	167	172	5.32	< 10	< 1	0.17	10	0.31

CERTIFICATION: [signature]

Chemex Labs Ltd.

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

BHP-UTAH LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (#2211)
Comments: ATTN: NEIL LENOBEL CC: TOM POLLOCK

Page N :1-B
Total Pages :1
Certificate Date: 07-JUL-92
Invoice No. : I9216665
P.O. Number :
Account : E

CERTIFICATE OF ANALYSIS A9216665

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
92BENWR-31	208	274	25	6	0.01	10	60	1235	44	< 1	1	< 0.01	10	< 10	15	40	134
92BENWR-34	208	274	120	4	0.10	13	660	1705	64	4	26	0.03	< 10	< 10	27	< 10	154
92BENWR-35	208	274	275	3	0.17	8	1650	5000	98	8	19	0.06	< 10	< 10	42	< 10	412
92BENWR-37	208	274	440	5	0.07	33	330	>10000	854	5	68	0.07	< 10	< 10	67	< 10	2650
92BENWR-38	208	274	650	1	0.36	5	280	258	18	5	642	0.15	< 10	< 10	30	< 10	114
92BENWR-39	208	274	3210	15	0.07	27	600	348	30	7	159	0.14	< 10	< 10	107	30	>10000

CERTIFICATION: ____________

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

To: BHP-UTAH LIMITED
1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (2211)
Comments: ATTN: NEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 09-JUL-92
Invoice No. :I9216758
P.O. Number :
Account :E

CERTIFICATE OF ANALYSIS A9216758

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
92BENWR-36	205	274	750	89.2	3.39	508	40	0.5	20	1.89	>100.0	8	106	237	4.08	10	7	0.35	10	0.39	680

CERTIFICATION: [signature]

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

To: BHP-UTAH LIMITED
1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

Project : BEN (2211)
Comments: ATTN: NEIL LENOBEL CC: TOM POLLOCK

Certificate Date: 09-JUL-92
Invoice No. : I9216758
P.O. Number :
Account : E

CERTIFICATE OF ANALYSIS A9216758

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
92BENWR-36	205	274	1	0.16	5	1560	532	132	4	50	0.01	< 10	< 10	11	30	8370

CERTIFICATION: Thai D Ma

APPENDIX VI

<u>ROCK SAMPLE DESCRIPTIONS</u>

BHP MINERALS CANADA LTD.

ROCK SAMPLES

Project: BEN #2211
Area (Grid): BEN, BEN 1-3 claims
Collectors: G. L. Wesa

Results Plotted By: G. L. Wesa
Map: BEN NTS: 93F/7E
Date: Oct 5, 1992 Surface ✓ Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	SAMPLE TYPE (LENGTH) GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
WR-1	BEN; West-central	92BEN	✓					Argillite	Gossanous, highly siliceous ѿ 1% pyrite	93F/7
WR-2	L37+00N 40+75E						✓	Tuff	Rusty weath, siliceous, 2-3% dissem, frac. aspy	
WR-3	BL46+00E + logging road		✓					Diorite	Dyke ѿ minor py, Mo, cpy (?)	
WR-4	West-central Ben		✓					Felsic Tuff	Aphanitic, possibly rhyolitic ѿ 2% py, po (?)	
WR-5	West-central Ben		✓					Felsic Tuff	Contains ≃ 2% dissem + veinlet sulphides.	
WR-6	L40+00N. 47+00E		✓					Tuff	Silicified, andesitic ѿ 2% py, asp, Mo	
WR-7	BL46+00E 38+50N		✓					Dacite Tuff	Qtz flooded/silicified ѿ 2% dissem-crse py, asp	
WR-8	L39+00N 46+50E		✓					Andes Tuff	Lithic Tuff ѿ 2-3% diss-crse py; dissem asp.	
WR-9	"Creek" Showing		✓					Tuff	Altered contact ѿ monz; qtz veins 10-15% sulph	
WR-10	"Creek" Showing		✓					Tuff	Altered ѿ 10-15% asp, py, cpy (?).	
WR-11	Near "Shaun" Showing		✓					Dacite Tuff	Silicified, quartzitic ѿ 3-5% sph, asp, py, cpy	
WR-12	Near L38N 52+00E		✓					Tuff	2-3% dissem + stringer asp in silicified matrix	
WR-13	Near L39N 51+50E		✓					Dacite Tuff	Silicified ѿ 3-4% dissem, blebs, py, cpy, asp.	
WR-14	Ridge Top - west-cent BEN 3						✓	Andesite	Cherty flow ѿ 2-3% dissem py, cpy, asp (?)	
WR-15	L28+00N 73+43E						✓	Dacite Tuff	Silicified, recrystlzd ѿ 10-15% f. diss py, po, qtz vnlts	
WR-16	L28+00N 73+00E		✓					Monzonite	Silicf'd, altered ѿ 1-5% py, po, Mo (on fracs)	
WR-17	Near L26N 60+50E						✓	Schist	Limonitic ѿ 7-10% f. dissem py.	
WR-18	L39+00N 45+50E						✓	Quartz Vein	15-20% (up to 30%) dissem to semi-massive asp	
WR-19	L41+00N 45+25E						✓	Monzonite	½-1% dissem asp and qtz stringers	
WR-20	Ben Claim "Shaun" Showing		✓					Dacite Tuff	Siliceous ѿ 15% diss to frac coating asp, py, po, ga, sph.	
WR-21	L37+00N 51+00E		✓					Andes Tuff	Altered, silicified ѿ 1-10% asp, py, sulph-qtz stringers	
WR22	L37+00N 51+00E		✓					Andes Tuff	Silicified, limonitic, sulphide-qtz stringers	
WR-23	L37+00N 51+00E		✓					Andes Tuff	Silicified ѿ dissem asp, py.	
WR-24	L37+00N 51+00E		✓					Andes Tuff	Silicified, limonitic ѿ dissem asp, py, qtz stringers.	
WR-25	L30+00N 60+75E		✓					Argillite	Qtz stockwork / vein brx ѿ 1-2% f. dissem py	
WR-26	L30+00N 60+75E		✓					Argillite	Qtz stockwork / vein brx ѿ 1-2% f. dissem py.	
WR-27	L31+00N 58+75E		✓					Andes Tuff	Crystal Tuff, altered, lim qtz vns ѿ 1% py, asp, ga.	
WR-28	L37+00N 52+00E		✓					Andes Tuff	Siliceous lapilli Tuff, qtz flooded ѿ Tr. py.	

BHP MINERALS CANADA LTD.

ROCK SAMPLES

Project: BEN #2211
Area (Grid): BEN, BEN 1-3 claims
Collectors: G. L. Wesa, T. Pollock

Results Plotted By: G. L. Wesa
Map: BEN NTS: 93 F/7E
Date: Oct 5, 1992 Surface ✓ Underground

SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	GRAB	CHIP	CHANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET
WR-29	L38+00N 52+25E	92BEN	✓					DACITE TUFF	Silicified ω f qtz fracs + stringers + py, asp, cpy (?)	93F/7
WR-30	"Hooter" Showing	↓		✓				Quartz Vein	Massive bull qtz ω 10-15% asp, py, scorodite	↓
WR-31	"Hooter" Showing			✓				Quartz Vein	Bull qtz ω 12-15% asp, py, sph, po (?)	
WR-32	"Hooter" Showing		✓					Quartz Vein	Massive asp-py lense ω qtz eyes + biot clots	
WR-33	No Sample									
WR-34	"Hooter" Showing			✓				Quartz Vein	Bull qtz ω 5-15% asp, py, sph, po, scorodite	
WR-35	"Hooter" Showing		✓					Dacite Tuff	Altered, chlor contact, silfd ω 5-7% asp, py, sph, ga, po	
WR-36	Same as WR-11			✓				Dacite Tuff	H. silicfd ω 5-7% sph, ga, py, cpy, lim pods.	
WR-37	BEN 1 - southeast corner						✓	Quartz	Qtz-sulph vn ω 75% asp, py, sph, ga lim, scorodite	
WR-38	BEN 1 - southeast corner						✓	Felsic Tuff	Qtz-ser-lamin tuff ω calcite + barite	
WR-39	BEN 1 - southeast corner						✓	Andes Tuff	Massive, lapilli tuff ω 3% crse sph.	
PR-1	South of BEN 3 claim		✓					Andes Tuff	Carb. altrd, chloritic ω tr. py	
PR-2	South of BEN 3 claim		✓					Dacite Tuff	Mod. carb. altrd, foliated, tr - 10% py.	
PR-3	South of BEN 3 claim		✓					Dacite Tuff	Foliated, qtz veined, tr. py.	
PR-4	Shaun Showing		✓					Dacite Tuff	Highly silcfd, 12% asp, 2% sph, 2-5% py	
PR-5	L39+20N 52+10E		✓					Sediments	H. silcfd, hornfelsed ω 2% po, 1% asp, tr py	
PR-6	L38+00N 52+50E		✓					Andes. Tuff	Hornfelsed ω tr asp, 1-2% py + po., gossanous	
PR-7	L36+00N 57+00E		✓					Siltstone	Gossanous, platey 1% f. diss po (anom. Ag area)	
PR-8	BEN claim		✓					Dacite Tuff	Trace pyrite	
PR-9	L37+50N 51+30E	↓	✓					Tuff	H. silic, tr-5% f. diss asp, tr. mag, 1% py + po	↓

APPENDIX VII

STATEMENTS OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

Gary L. Wesa

I, Gary L. Wesa, of #309 - 6669 Telford Avenue in the Municipality of Burnaby, British Columbia, do hereby certify that:

1. I am an independent contract geologist currently employed under contract to BHP Minerals Canada Ltd. with offices at #1600 - 1050 West Pender Street, Vancouver, B.C., V6E 3S7.

2. I am a graduate of the University of Saskatchewan (1974) with a B.Sc. degree in Geology and I have practiced my profession continuously since graduation.

3. I have been employed in mineral exploration since 1970 in Canada and the U.S.A.

4. I am a Fellow of the Geological Association of Canada.

5. I am the author of the report entitled, "Geological, geochemical and geophysical report on the BEN Property, Omineca Mining Division, British Columbia", dated December, 1992.

6. I have personally performed and assisted with the work referenced in this report.

7. I do not own or expect to receive any interest (direct, indirect or contingent) in the property described herein in respect of services in the preparation of this report.

Dated in Vancouver, B.C. this 18 day of December, 1992.

Respectfully submitted,

Gary L. Wesa, B.Sc., F.G.A.C.

GEOLOGICAL ASSOCIATION OF CANADA
G. L. WESA
FELLOW

STATEMENT OF QUALIFICATIONS

Martin St. Pierre

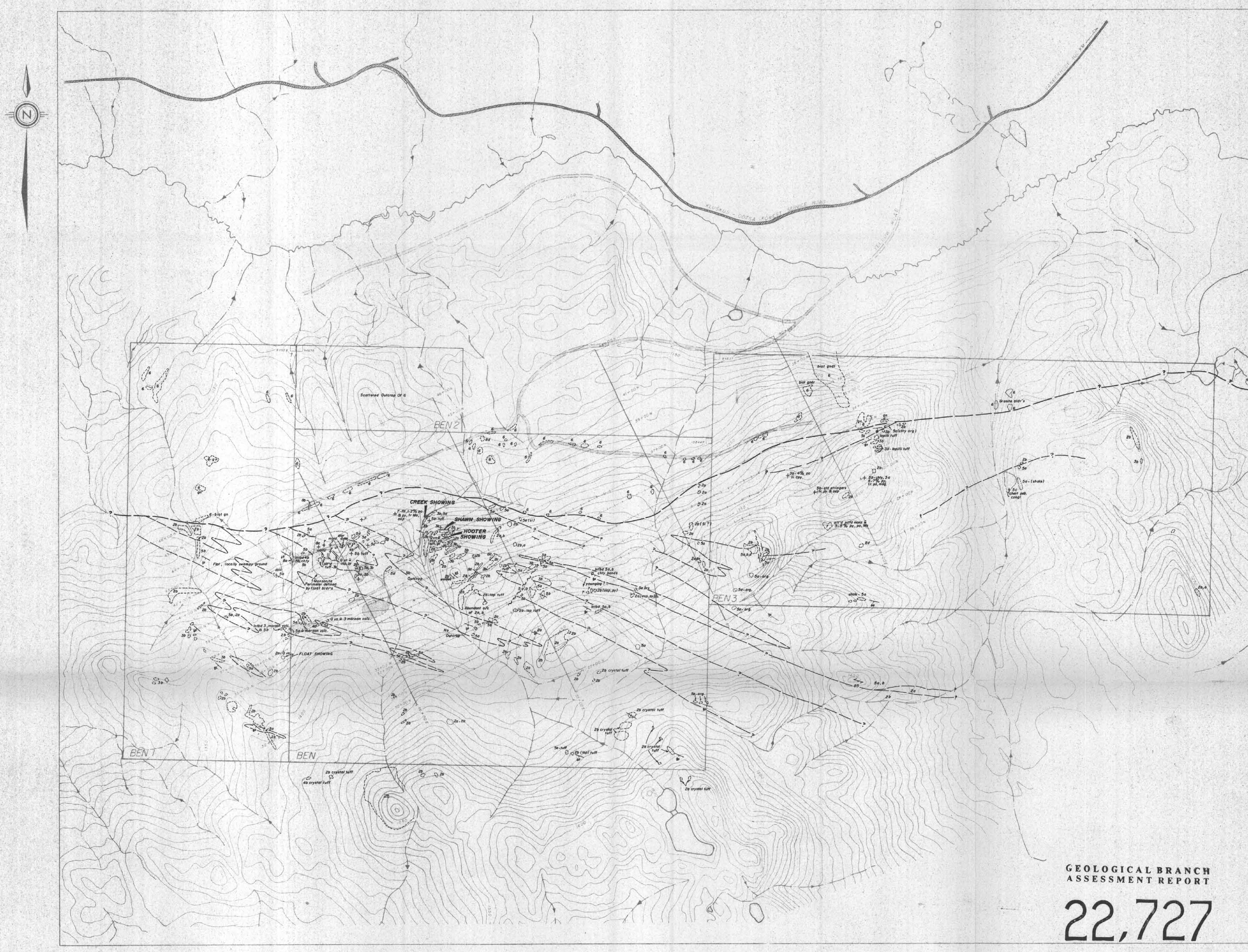
1. I graduated from McGill University, Montreal, P.Q. with a Bachelor of Science, Major in Solid Earth Geophysics in 1984.

2. I have been practicing my profession during the summer months as a University student and continuously since graduating. I have been involved in geophysical programs in Quebec, Ontario, Manitoba, Saskatchewan, British Columbia, Yukon, N.W.T., Nevada and Arizona, largely in the search for precious metals.

3. I am presently employed as an Exploration Geophysicist with BHP Minerals Canada Ltd.

Dated in Vancouver, B.C. this 18 day of December, 1992.

Martin St. Pierre, B.Sc.



GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,727

MAP - 1

LEGEND

1	Basalt
2	Andesite a) flow b) tuff
3	Dacite a) flow b) tuff
4	Rhyolite a) flow b) tuff
5	Sediments a) argillite b) siltstone c) chert pebble conglomerate d) quartzite
6	Granodiorite, granite
7	Monzonite
8	Dykes a) hornblende porphyritic granite b) quartz feldspar porphyry (aplite) c) biotite-feldspar porphyry d) diorite

Outcrop, Subcrop
Bedding
Foliation
Small Outcrop
Geologic Contact
Mineralized Quartz Vein
Fault

Stream
Main Logging Road
Secondary Logging Road
Grid Line

Note: Area of Showings mapped in detail, see Figure 4.

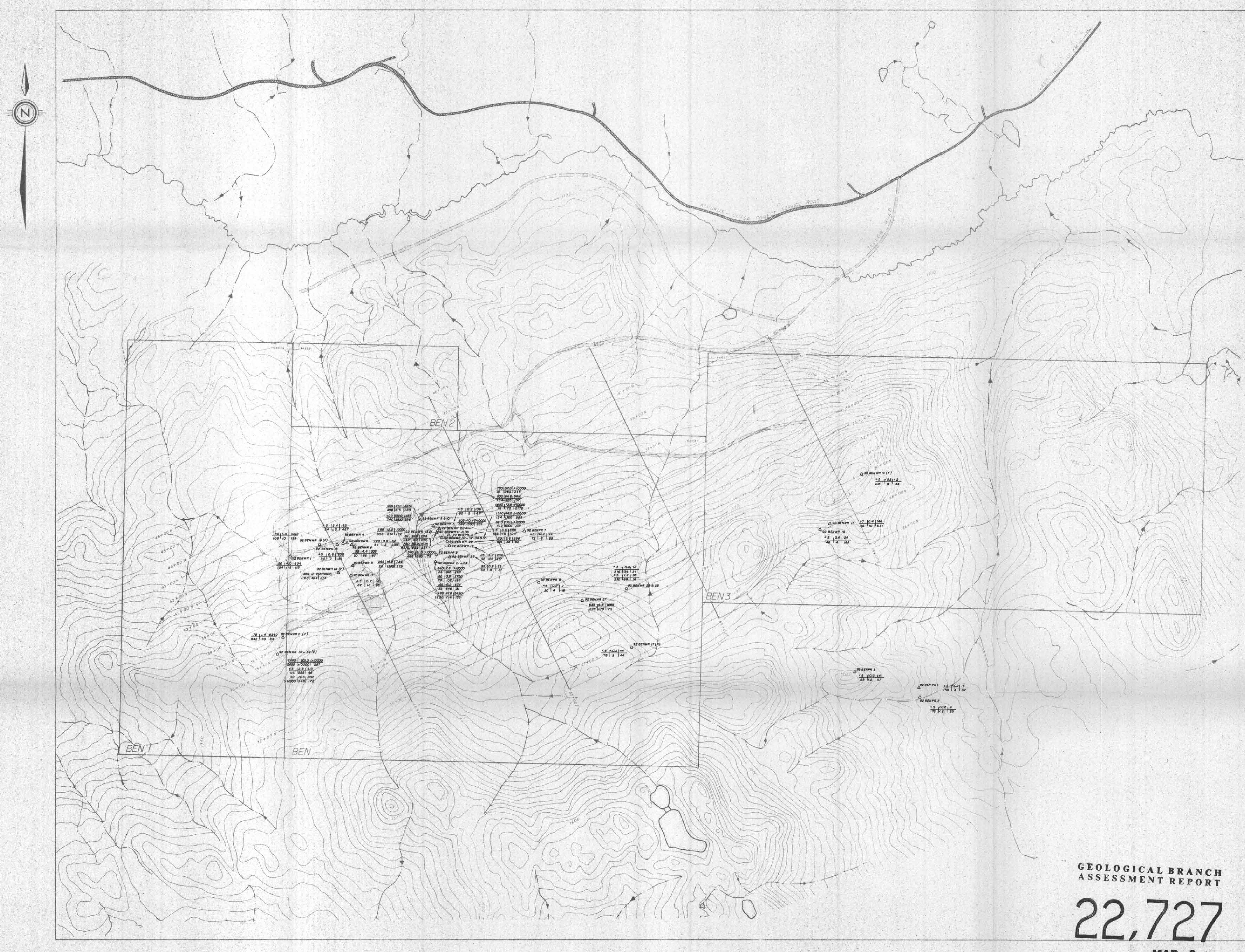
BHP MINERALS CANADA LTD.
EXPLORATION DEPARTMENT
VANCOUVER, BRITISH COLUMBIA

BEN PROPERTY

PROPERTY GEOLOGY

0 100 200 300 400 500 600 700
METRES

NTS Ref. : 93 F/7	REVISIONS
Work By : T.P., G.W. & S.P.	Work By :
Drawn By : T.D.	Drawn By :
Date Nov. 1992	Date :
SCALE 1:10,000	



GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,727

MAP - 2

BHP MINERALS CANADA LTD.
EXPLORATION DEPARTMENT
VANCOUVER, BRITISH COLUMBIA

BEN PROPERTY

ROCK SAMPLE LOCATIONS & LITHOGEOCHEMICAL VALUES

0 100 200 300 400 500 600 700
METRES

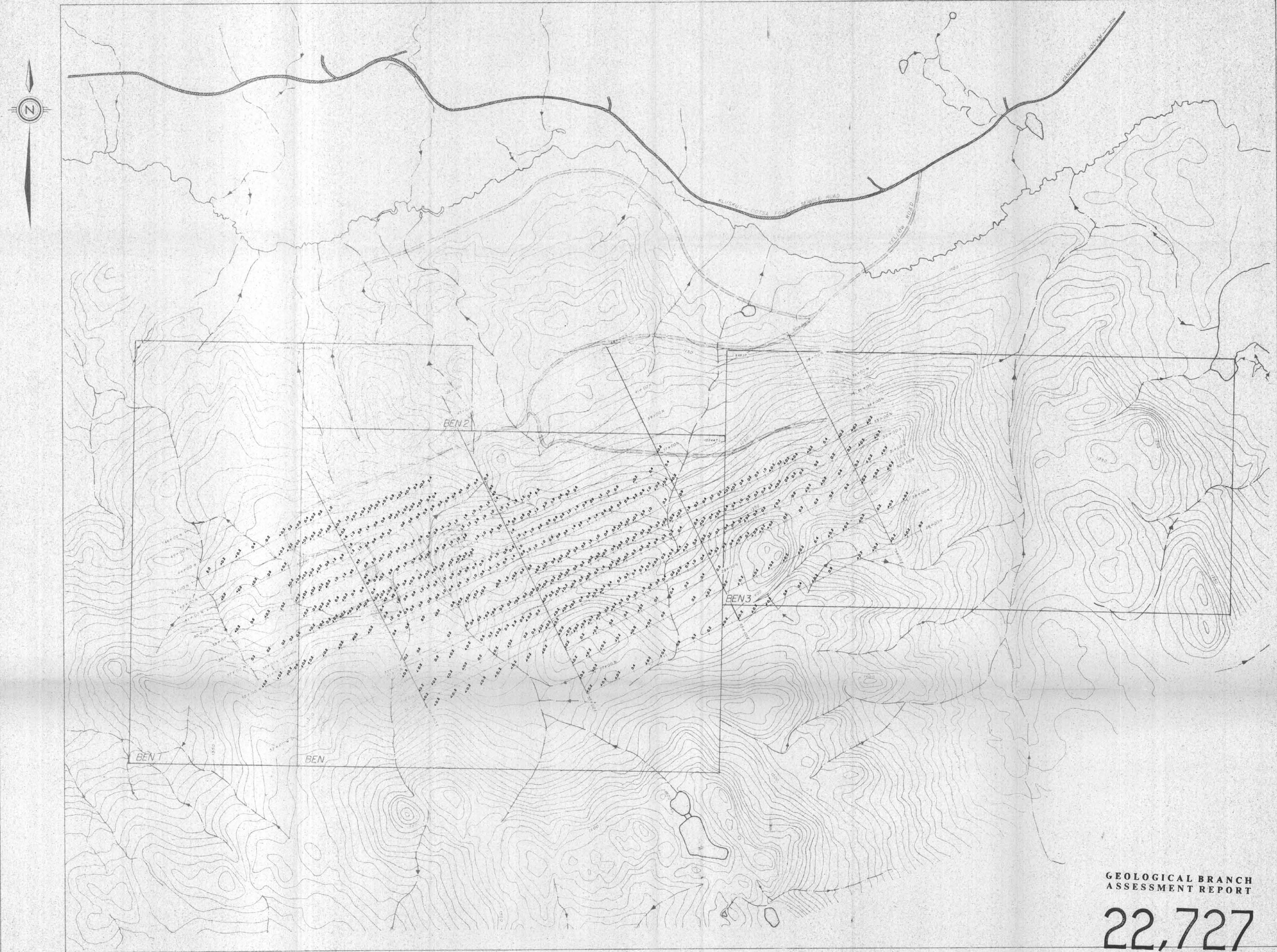
NTS Ref.	93 F/7	REVISIONS	
Work By	G.W. & T.P.	Work By :	
Drawn By :	T.D.	Drawn By :	
Date	Oct. 1992	Date	
SCALE	1:10,000		

LEGEND

Au in ppb	Ag in ppm	As in ppm
Zn in ppm	Pb in ppm	Cu in ppm

Δ Rock Sample Location

Stream
Main Logging Road
Secondary Logging Road
Grid Line



GEOLOGICAL BRANCH ASSESSMENT REPORT

22,727

MAP - 3

LEGEND

- Stream
- Main Logging Road
- Secondary Logging Road
- Grid Line

BHP MINERALS CANADA LTD.
EXPLORATION DEPARTMENT
VANCOUVER, BRITISH COLUMBIA

BEN PROPERTY

SOIL GEOCHEMICAL VALUES (Ag in ppm)

0 100 200 300 400 500 600 700
METRES

NTS Ref.	93 F/7	REVISIONS	
Work By	G.W. & S.P.	Work By	
Drawn By	T.D.	Drawn By	
Date	Oct. 1992	Date	
SCALE	1:10,000		

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,727

MAP - 4

LEGEND

- Stream
- Main Logging Road
- Secondary Logging Road
- Grid Line

BHP MINERALS CANADA LTD.
EXPLORATION DEPARTMENT
VANCOUVER, BRITISH COLUMBIA

BEN PROPERTY

SOIL GEOCHEMICAL VALUES (As in ppm)

0 100 200 300 400 500 600 700
METRES

NTS Ref. :	93 F/7	REVISIONS
Work By :	G.W. & S.P.	Work By :
Drawn By :	T.D.	Drawn By :
Date :	Oct. 1992	Date :
SCALE	1:10,000	

SURVEY SPECIFICATION

INSTRUMENT: SCINTREX IGS-2

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,727

BHP MINERALS CANADA LTD.

TOTAL FIELD MAGNETIC SURVEY

POSTED NUMBERS

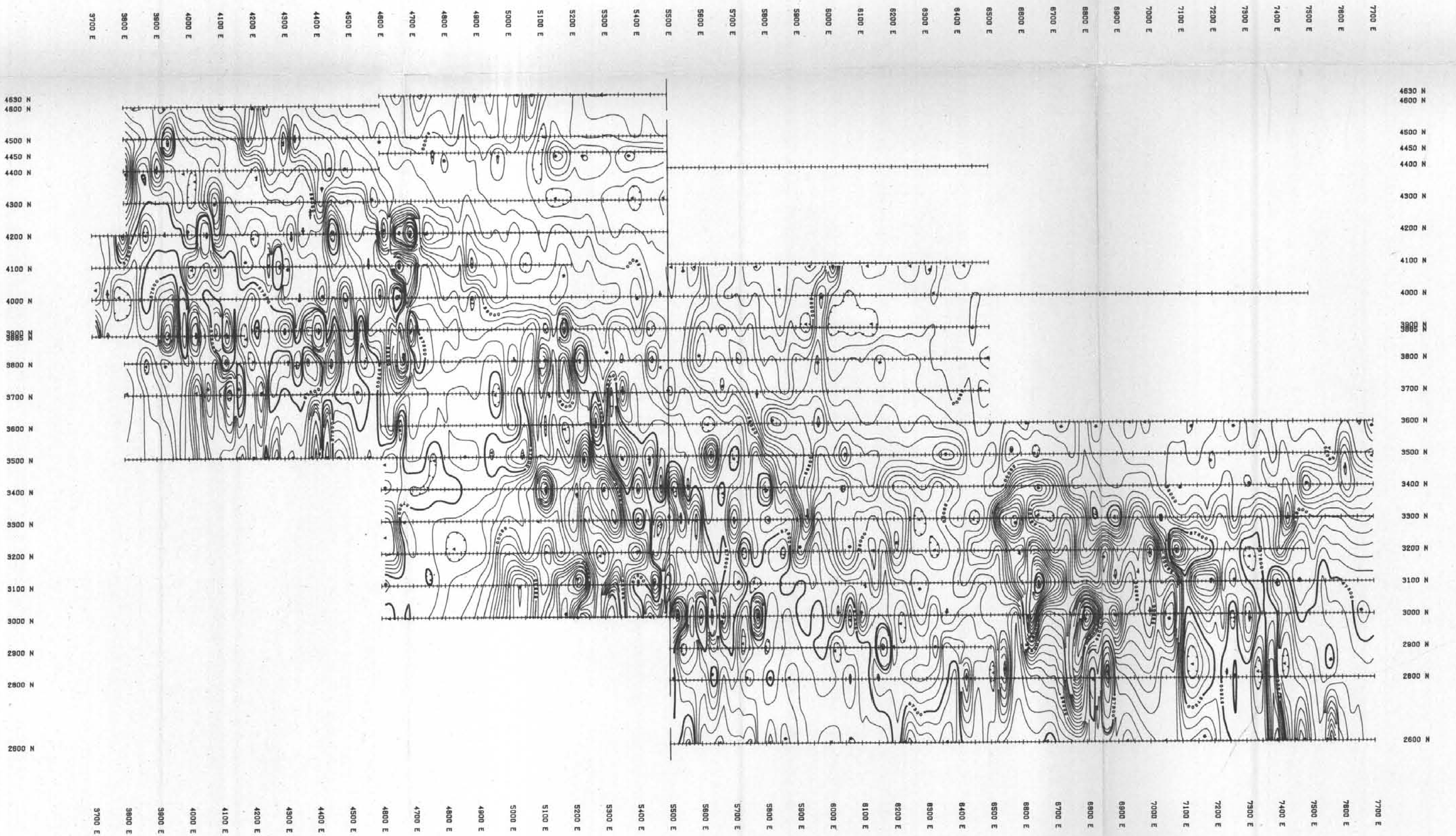
BEN PROPERTY

MAP 5

Scale 1:5000

100 0 100 200 300

NTS: 93F/7	OCTOBER 2 1992	M. ST.PIERRE



GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,727

SURVEY SPECIFICATION

INSTRUMENT: SCINTREX IGS-2

FIELD: TOTAL

LEGEND

CONTOUR INTERVAL: 100 nT

★ DATA HIGH FLAG

▼ DATA LOW FLAG

BHP MINERALS CANADA LTD.

CONTOURED TOTAL FIELD
MAGNETIC SURVEY

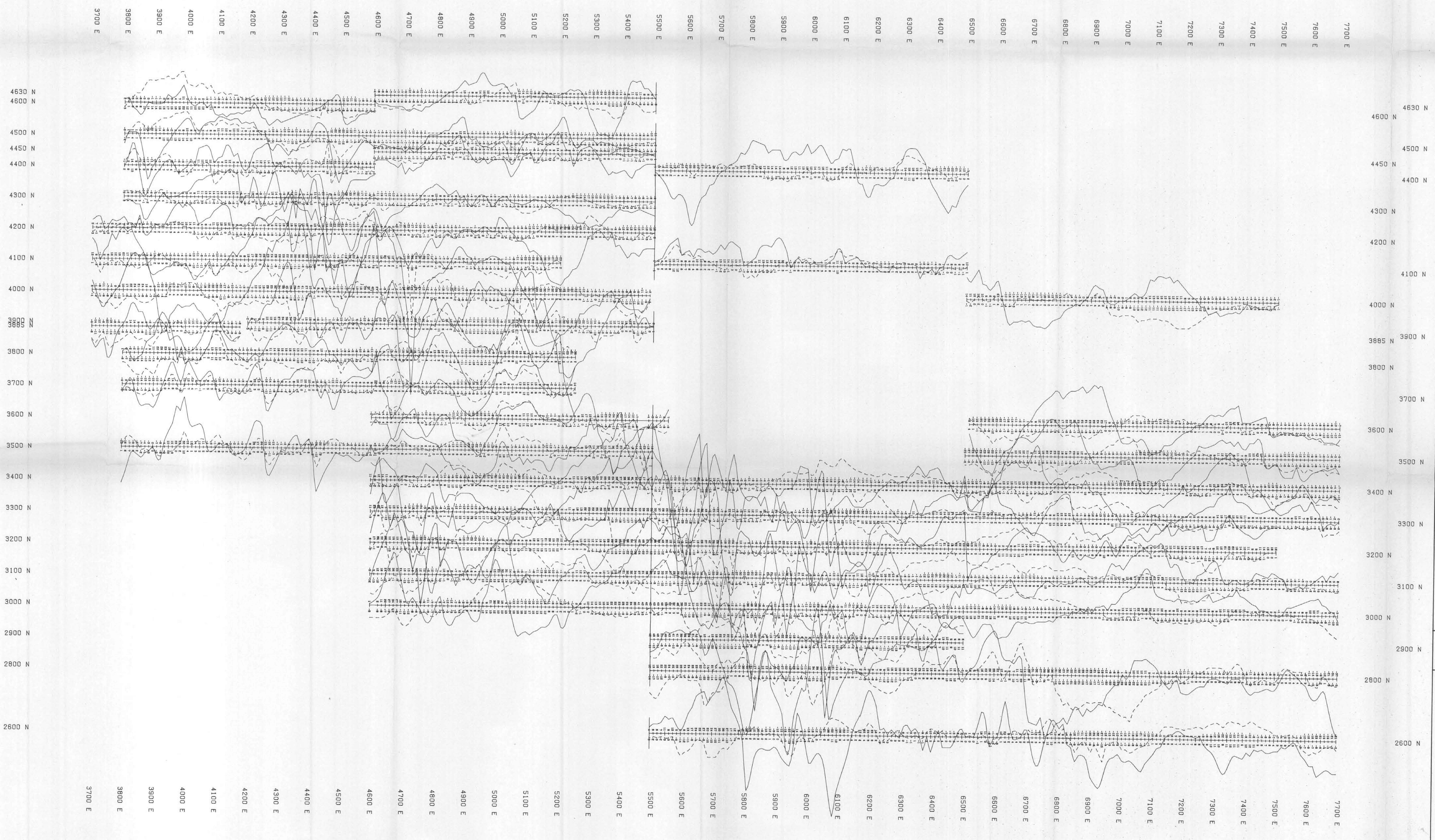
BEN PROPERTY

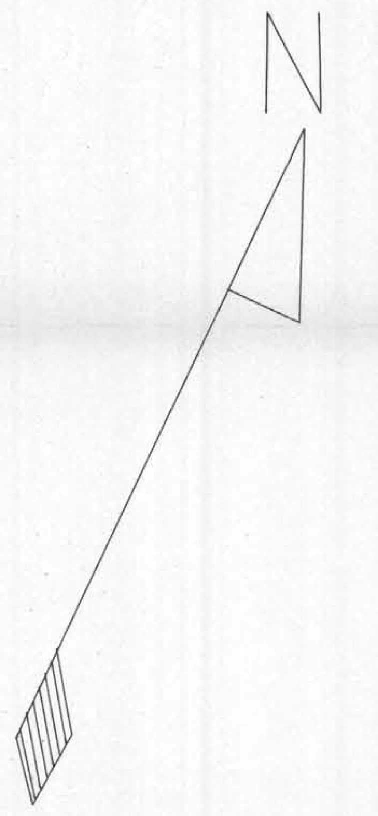
MAP 6

Scale 1:10000

100 0 100 200 300

NTS: 93F/7	OCTOBER 2 1992	M. ST.PIERRE





SURVEY SPECIFICATION

INSTRUMENT: SCINTREX IGS-2

TRANSMITTER: SEATTLE Wa., 24.8KHz

LEGEND

INPHASE VALUES TO THE NORTH OF THE LINES
QUADRATURE VALUES TO THE SOUTH OF THE LINES
INPHASE AND QUADRATURE VERTIVAL SCALE: 10%/CM

——— : INPHASE PROFILE

– – – – – : QUADRATURE PROFILE

BHP MINERALS CANADA LTD.

VLF–EM PROFILES
WITH POSTED NUMBERS

BEN PROPERTY

MAP 7

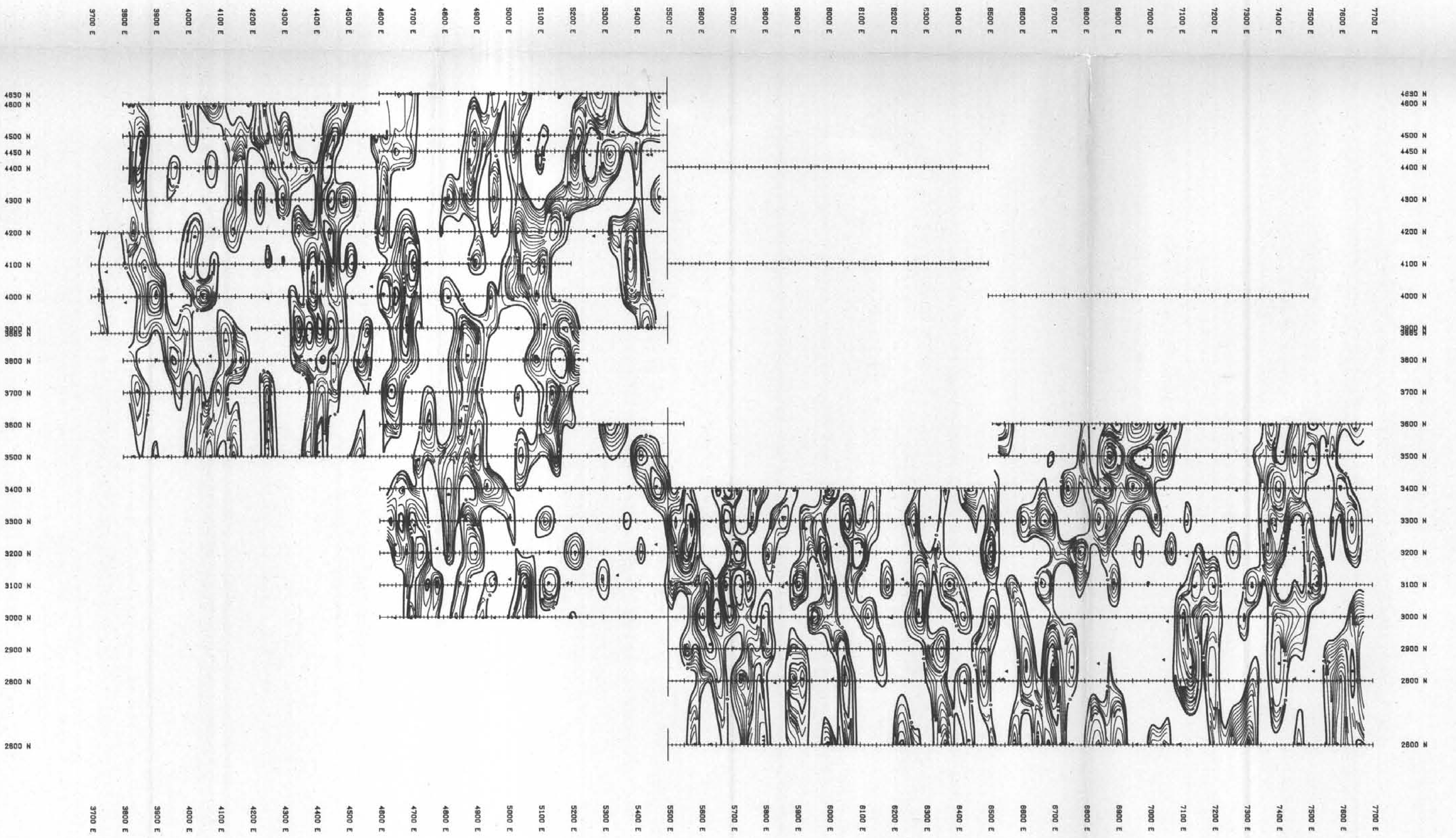
Scale 1:5000

100 0 100 200 300

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,727

NTS: 93F/7	OCTOBER 2 1992	M. ST.PIERRE



GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,727

SURVEY SPECIFICATION

INSTRUMENT: SCINTREX IGS-2

TRANSMITTER: SEATTLE Wa., 24.8KHz

LEGEND

CONTOUR INTERVAL: 1%

★ DATA HIGH FLAG

▼ DATA LOW FLAG

BHP MINERALS CANADA LTD.

CONTOURED FRASER FILTERED
INPHASE VLF–EM

BEN PROPERTY

MAP 8

Scale 1:1000

NTS: 93F/7	OCTOBER 2 1992	M. ST.PIERRE

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,727

LINE : 4000 N

INDUCED POLARIZATION
SURVEY

DIPOLE-DIPOLE ARRAY

N = 1, 2, 3, 4, ...
"A" SPACING = 25.0 METRES

MAP 9

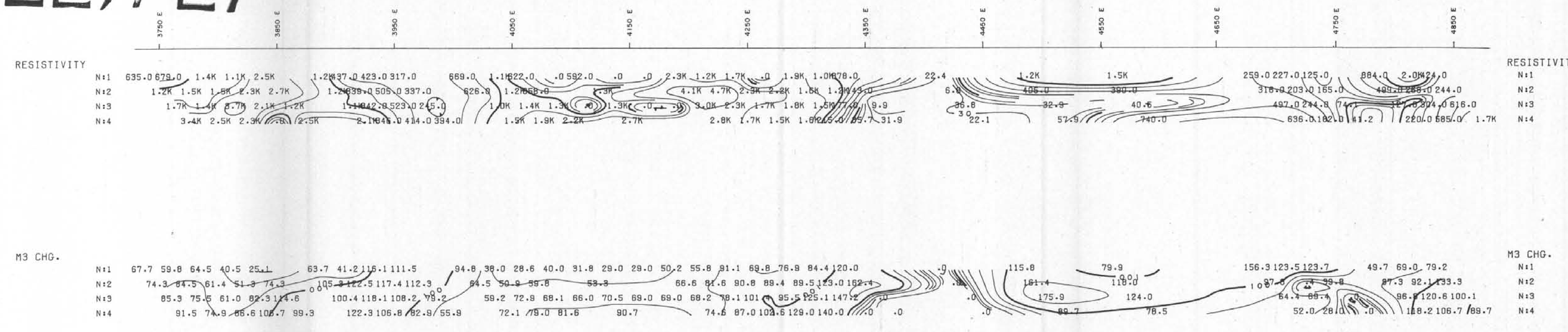
BHP MINERALS CANADA LTD.

BEN PROPERTY

93F/7

DATE : JUNE 1992 | REF :

SCALE = 1:2500.0



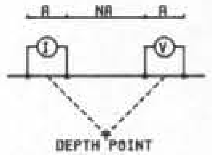
GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,727

LINE : 4000 N

INDUCED POLARIZATION
SURVEY

DIPOLE-DIPOLE ARRAY



N = 1, 2, 3, 4, ...
"A" SPACING = 25.0 METRES

MAP 10

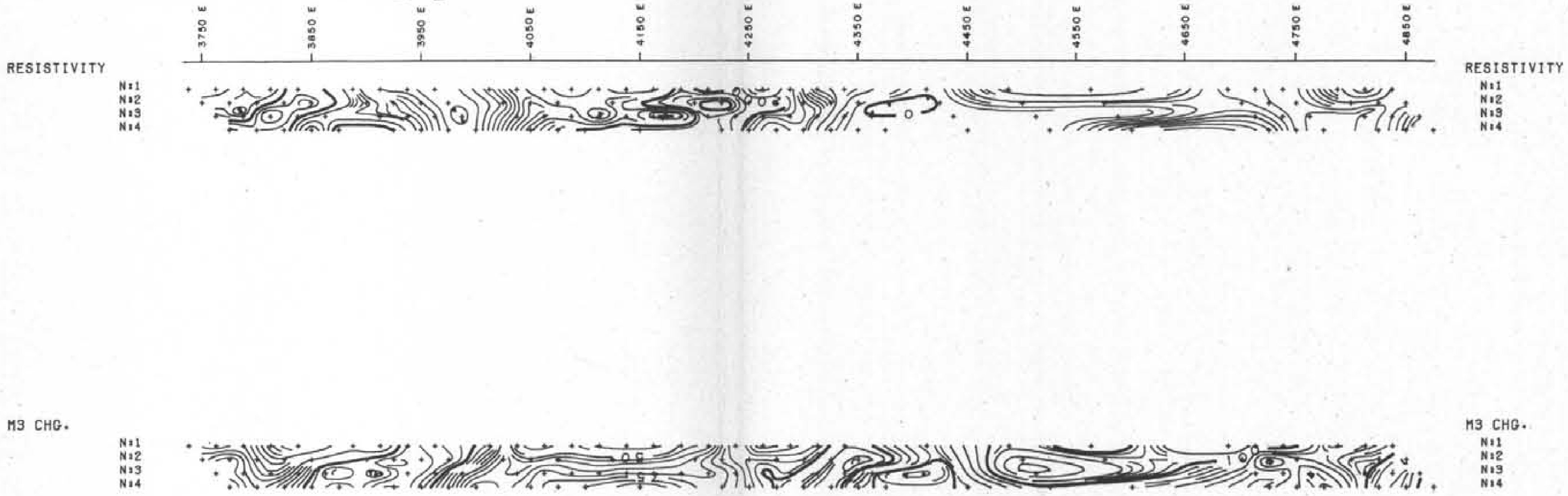
BHP MINERALS CANADA LTD.

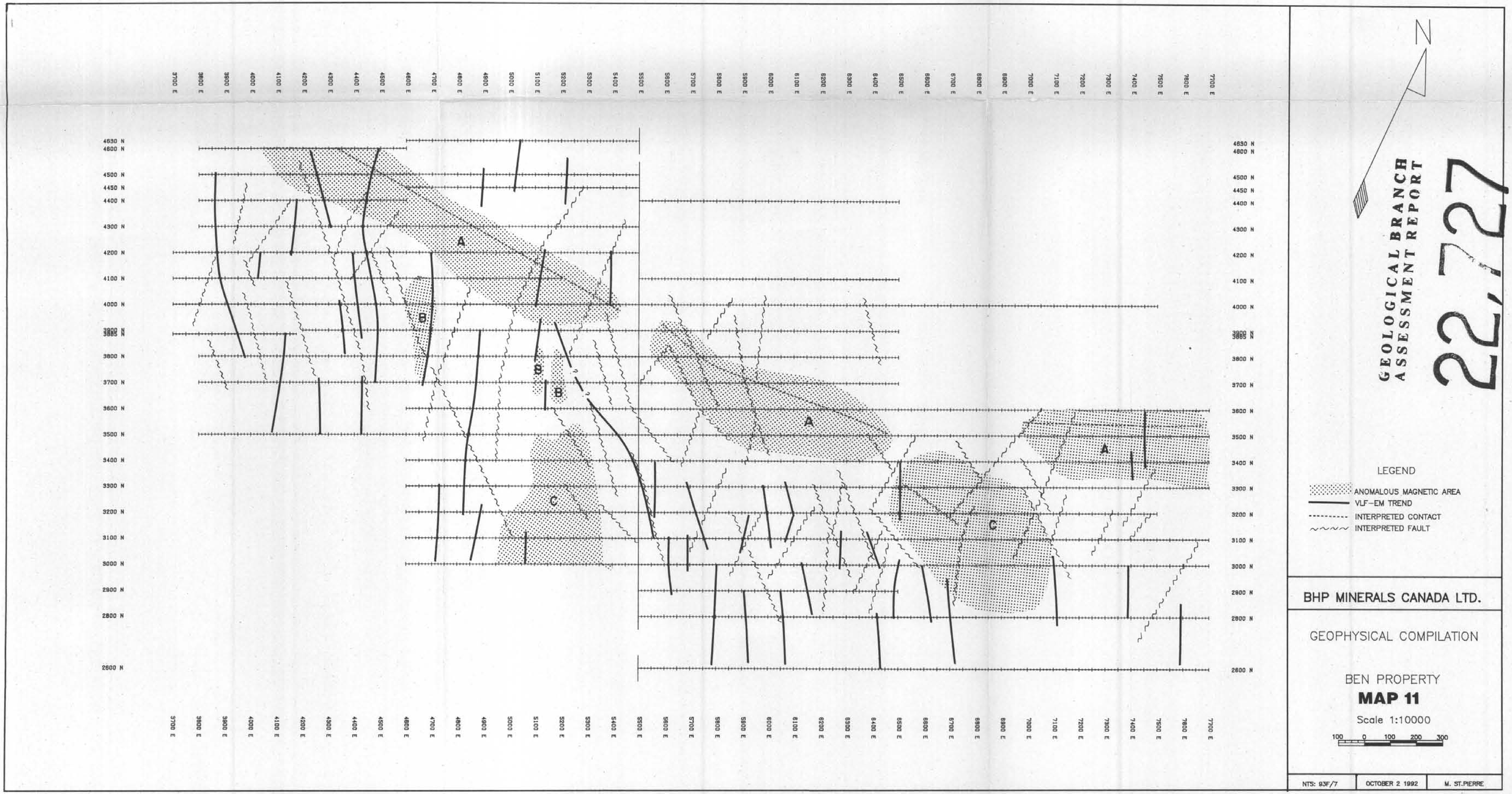
BEN PROPERTY

93F/7

DATE : JUNE 1992 | REF :

SCALE = 1:5000.0




GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,727
LEGEND
ANOMALOUS MAGNETIC AREA
VLF-EM TREND
INTERPRETED CONTACT
INTERPRETED FAULT
BHP MINERALS CANADA LTD.
GEOPHYSICAL COMPILATION
BEN PROPERTY
MAP 11
Scale 1:10000
100 0 100 200 300
NTS: 93F/7
OCTOBER 2 1992
M. ST.PIERRE
A
B
C