DIAMOND DRILLING, GEOLOGICAL

AND GEOCHEMICAL REPORT ON THE

BONSAI PROPERTY

SKEENA MINING DIVISION

NTS: 104B/10
LATITUDE: 56° 37'
LONGITUDE: 130° 34'

OWNED BY:

TEUTON RESOURCES CORP.
#509-675 West Hastings Street
Vancouver, B.C. V6B 1N2

OPERATED BY:

PRIME RESOURCES GROUP INC.
#1000 - 700 West Pender Street
Vancouver, B.C. V6C 1G8

Submitted by:
A.W. Kaip
D. Kuran
January 31, 1996

Distribution:
Homestake File
Teuton Resources Corp.
A. Kaip
D. Kuran
Field Copy

EXECUTIVE SUMMARY

The Bonsai property is located within the Skeena Mining Division in northwestern British Columbia, approximately 80 kilometres north-northwest of Stewart. The claims lie on NTS map sheet 104B/10, at latitude 56° 37', longitude 130° 34'. Access to the property is by helicopter from the Eskay Creek mine 8 kilometres to the east. The Bonsai property consists of 10 claims totalling 98 units, owned by Teuton Resources Corp. and operated by Prime Resources Group Inc. Prime currently is in the second year of an option agreement to earn a 60% interest in the property over a 5 year period.

The property is underlain by volcanic and sedimentary rocks of the Lower Jurassic Hazelton Group which are separated into two sequences. The lower sequence comprises basaltic to andesitic flows, breccias and intercalated fine-grained sandstones and siltstones of the Betty Creek Formation and heterolithic tuff with abundant felsic fragments of the Mount Dillworth Formation. The upper sequence consists of well bedded black siltstones, feldspathic wackes and pebble conglomerates intruded by a series of rhyolitic subvolcanic sills and gabbro sills and dykes. A conglomerate unit containing clasts of flow banded and aphanitic rhyolite, stratigraphically above the rhyolite suggests that the rhyolite sills formed near the surface and may have been emergent. Rare bedded pyrite lenses are observed stratigraphically above the trace of the rhyolite. This upper sequence has been correlated with the Salmon River Formation.

Strata at the base of the section is highly disruted along the trace of the Harrymel fault zone. Further up section the strata strikes north and dips steeply eastward into the slope with the pyroxene-phyric sills intruding semi-conformable to the strata.

The 1995 exploration program included diamond drilling, totalling 1180 metres in five holes, 1:100 scale mapping and the collection of 47 rock samples from 10 continuous chip lines, and infill soil sampling between lines 1+00S and 4+00S above the trace of the rhyolite. Drilling on the Bonsai Property confirmed that the rhyolite sills dip moderately to the east, are concordent with stratigraphy and thin rapidly down dip. Anomalous mineralization was encountered in BZ95-1, which intersected the rhyolite down dip of the Bonsai showing. Assays from the mudstone in BZ95-1 averaged between 3 and 124 ppb Au with a high value of 1710 ppb Au over 1 metre.

Assays from continuous chip lines returned gold values from below detection to a high of 1330 ppb Au. Two samples collected from the upper contact of rhyolite black matrix breccia assayed 1330 and 1070 ppb Au and a third sample collected from feldspathic wacke above the rhyolite returned 116 ppb Au. Samples from the contact zone are also anomalous in Ag, As, Sb, and Hg.

Surface work has identified an area of anomalous gold mineralization located along the upper contact of the rhyolite from the Bonsai showing 60 metres south to line L0+00, 3+00W. Diamond drilling beneath the Bonsai showing, BZ95-1 and to the south in drill hole BZ95-3 has extended the zone of anomalous gold mineralization done 100 metres down dip of the rhyolite.

This evidence indicates that continued exploration efforts should be directed towards exploring the potential for precious metal mineralization down dip of the Bonsai showing. Because BZ95-3 failed to adequately test the target horizon, a drill hole directed to intersect the rhyolite further down dip of BZ95-3 should be completed.

D. L. KUKAN
GEOSCIENTIST

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF FIGURES IN POCKET

LIST OF TABLES

APPENDICES

1. INTRODUCTION

1.1 LOCATION AND ACCESS

The Bonsai property is located approximately 80 kilometres north-northwest of Stewart, British Columbia, at the head of Harrymel Creek, a southerly flowing tributary of the Unuk River. The Eskay Creek mine is 8 kilometres to the east. The claims lie on NTS map sheet 104B/10, at latitude 56° 37', longitude 130° 34', in the Skeena Mining Division.

Access to the property is by vehicle to the Eskay Creek mine site, then by helicopter to the Bonsai claims. Naturally occurring heli-pads are abundant on the property along Harrymel Creek and in the sub-alpine, along the eastern margin of the claims. An alternate route is a 35 kilometre direct helicopter flight from the Bob Quinn helicopter base on Highway #37, 400 kilometres north of Smithers, B.C.

1.2 LAND STATUS

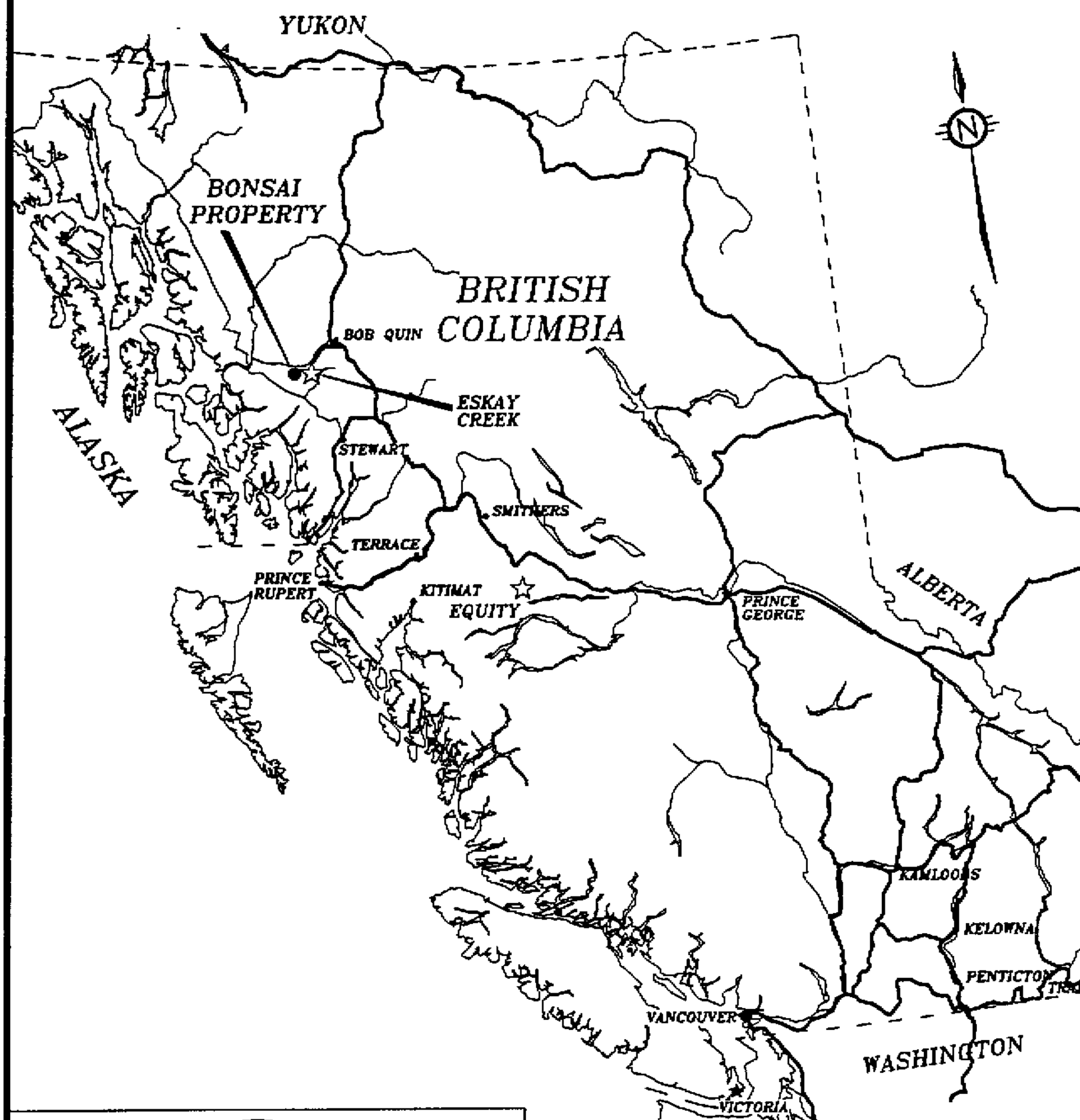
The Bonsai property consists of 8 claims totalling 62 units (Table 1.1, Figure 1.2), owned by Teuton Resources Corp. and operated by Prime Resources Group Inc. Prime currently has an option to earn a 60% interest in the property over a 5 year period.

1.3 PHYSIOGRAPHY

The Bonsai Property lies within the Boundary Ranges of the Coast Mountains and primarily occupies the steep to cliff-like eastern slope of Harrymel Creek. Elevations range from 700m (2300') at the base of the Harrymel Valley, to 1140m (3740') in the northeastern corner of the claims. The recent retreat of the Melville Glacier is evidenced by the dominantly moraine covered lower slopes on the northern portion of the property. Rock exposure is generally confined to the steeper sections of this slope. Vegetation consists of dense thickets of slide alder on the slope and sub-alpine spruce and juniper on the plateau above. Climate is typical of the Iskut region with frequent precipitation throughout the year and heavy snowfall in the winter months which remains until mid-May to June.

1.4 EXPLORATION HISTORY

The Bonsai property was staked in 1988 by Teuton Resources Corp. to cover a north-south trending belt of felsic stratigraphy along the east side of Harrymel Creek which shows similarities to the felsic stratigraphy hosting the Eskay Creek deposit. The property was optioned to Cassandra Resources in 1989 who carried out a limited program of prospecting, geochemical sampling, and geophysics that year. Pyrite mineralization with anomalous gold values in felsic



HOMESTAKE CANADA INC.

BONSAI PROPERTY

LOCATION & ACCESS MAP

DRAWN	DATE	NTS	FIGURE
KMP	Dec. 1994	104B/10	1.1

volcanics and coincident magnetometer and EM-16 anomalies were noted, however, Cassandra relinquished the option in 1991.

A small rock sampling program by Teuton Resources Corp. in 1991 confirmed the Cassandra results. In 1992, Teuton undertook a program of trenching and chip sampling on the Bonsai showing, as well as reconnaissance sampling nearby. Three trenches were completed, totalling 27.8 metres. 27 chip samples were taken from the trenches, including four samples assaying 695-775 ppb gold, and 13 samples in the 100-480 ppb gold range. Samples were consistently high in mercury (23 samples >1000 ppb, to a maximum of 19000 ppb) and in arsenic (20 samples >500 ppb, to a maximum of 4620 ppb).

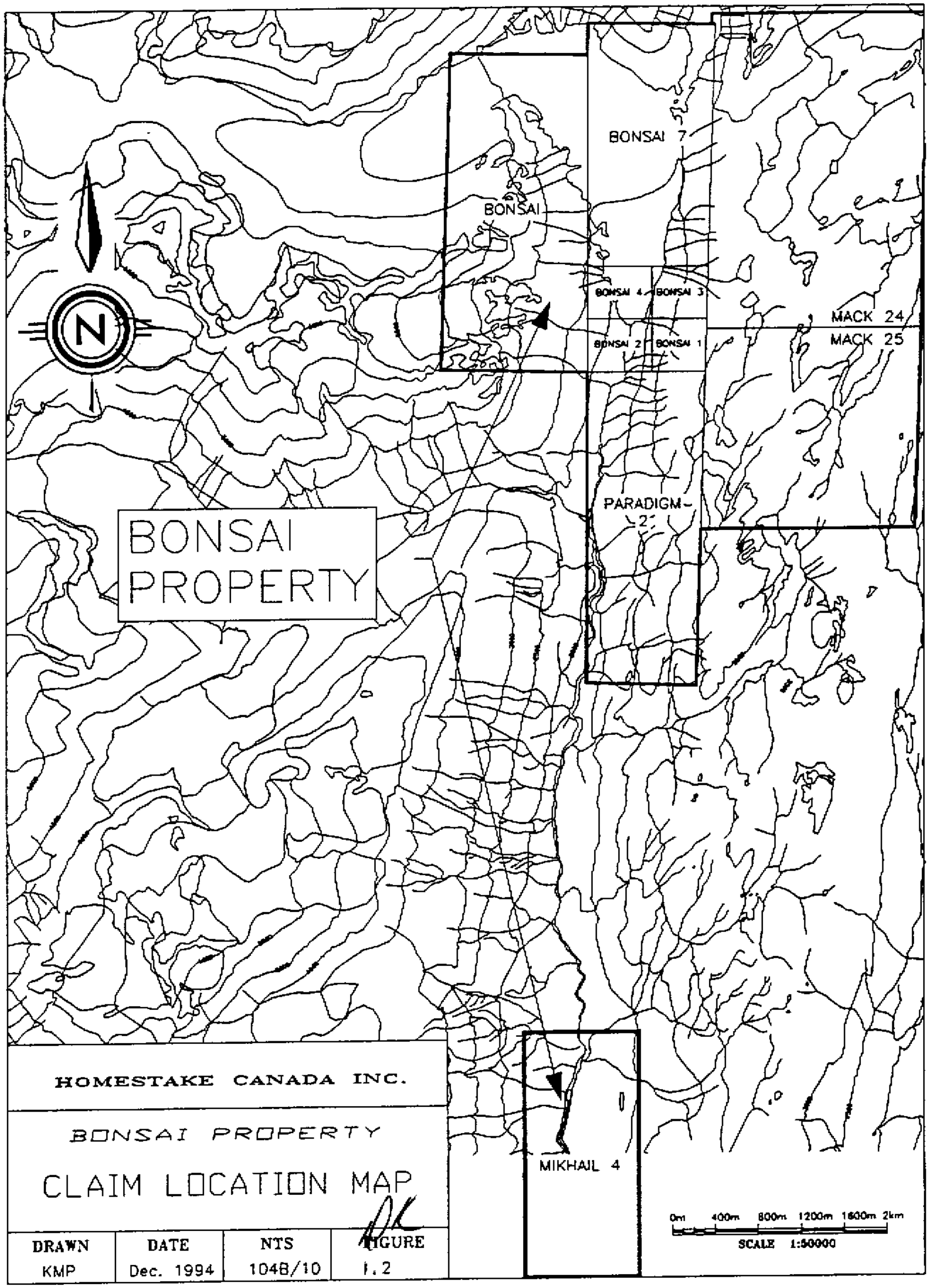
TABLE 1.1

RECORD NUMBER	CLAIM NAME	UNITS	RECORD DATE	EXPIRY DATE*
251838	PARADIGM 2	12	1987.04.28	2006.04.28
252278	MIKHAIL 2	18	1988.12.05	2000.12.05
307389	BONSAI	18	1992.01.17	2006.01.17
307390	BONSAI 7	10	1992.01.17	2006.01.17
307391	BONSAI 1	1	1992.01.17	2006.01.17
307392	BONSAI 2	1	1992.01.17	2006.01.17
307393	BONSAI 3	1	1992.01.17	2006.01.17
307394	BONSAI 4	1	1992.01.17	2006.01.17
329242	MACK 24	20	1994.08.03	2005.08.03
329243	MACK 25	16	1994.08.03	2005.08.03

*Note: Expiry dates indicated are based on MEMPR approval of 1996 Assessment Report, Event No. 3080063.

Prospecting near the Bonsai showing also yielded generally high mercury and arsenic values in addition to three gold values of note (2540, 1800, and 1410 ppb) (Cremonese, 1993).

Prime Resources Group Inc. optioned the Bonsai property in 1994, and completed a program of 1:2500 scale grid controlled geologic mapping, 11.2 line kilometres of grid soil sampling, and two trenches totalling fourteen metres on the newly discovered Twisted Ankle showing.



HOMESTAKE CANADA INC.

BONSAI PROPERTY

CLAIM LOCATION MAP

DRAWN	DATE	NTS	FIGURE
KMP	Dec. 1994	104B/10	1.2

1.5 1995 EXPLORATION PROGRAM

Prime Resources Group Inc. completed an exploration program which included diamond drilling, totalling 1180 metres in five holes, 1:100 scale mapping in the vicinity of L0+00, 3+00W, including the collection of rock samples along 10 continuous chip lines, and infill soil sampling between lines 1+00S and 4+00S above the trace of the rhyolite. A total of 240 core, 47 continuous chip and 17 soil samples were collected for analysis.

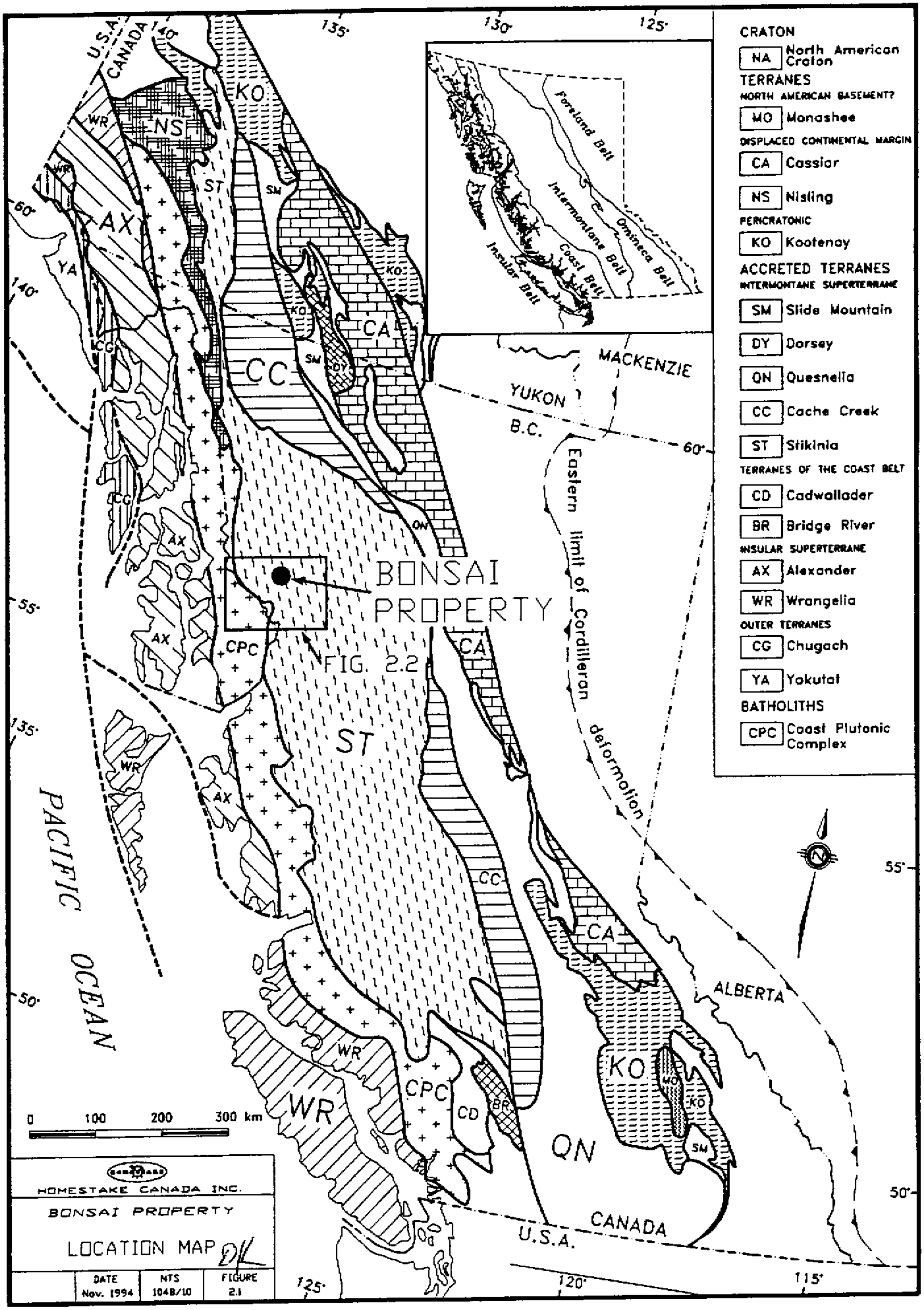
The drilling program was constructed to test the potential for precious metal enriched exhalative mineralization stratigraphically above the trace of the rhyolite or epigenetic mineralization hosted within the rhyolite and to test the lateral extent of mineralization down dip of the east dipping rhyolite. In total drilling tested 575 metres of strike length to a distance of 60 to 140 metres down dip from the surface trace of the rhyolite.

Continuous chip samples were completed to provide surface assay data to correlate with assay data from drill holes in an effort to vector towards areas of precious metal mineralization within mudstones along the upper contact of the rhyolite. The area was also mapped at a scale of 1:100. Infill soil sampling was used to identify the existence of and zones of anomalous mineralization above the trace of the most southern rhyolite subvolcanic dome.

2. GEOLOGY

2.1 REGIONAL GEOLOGY

The Bonsai property is located in northwestern Stikinia, the largest of the aullocthonous terranes which forms the Intermontane Belt of the Canadian Cordillera (Figure 2.1). The northern part of Stikinia is characterized by three unconformity bounded volcano - plutonic and sedimentary sequences and an overlying sedimentary package. From oldest to youngest these include the Paleozoic Stikine, Upper Triassic Stuhini and Lower to Middle Jurassic Hazelton Groups which are overlain by sedimentary rocks of the Middle Jurassic Bowser Lake Group, a successor basin which links Stikinia with the Cache Creek to the north east. To the west, Stikinia is bounded by Cretaceous and Tertiary intrusions of the Coast Plutonic Complex which record the amalgamation of the Intermontane Belt with the Insular Belt to the west during Latest Cretaceous. Tertiary volcanic rocks lie unconformably above the Paleozoic to Jurassic basement strata and form a north - south trending belt from the Iskut region north to Level Mountain, north of the Stikine River. These volcanic rocks are post accretionary and formed during Eocene crustal extension.

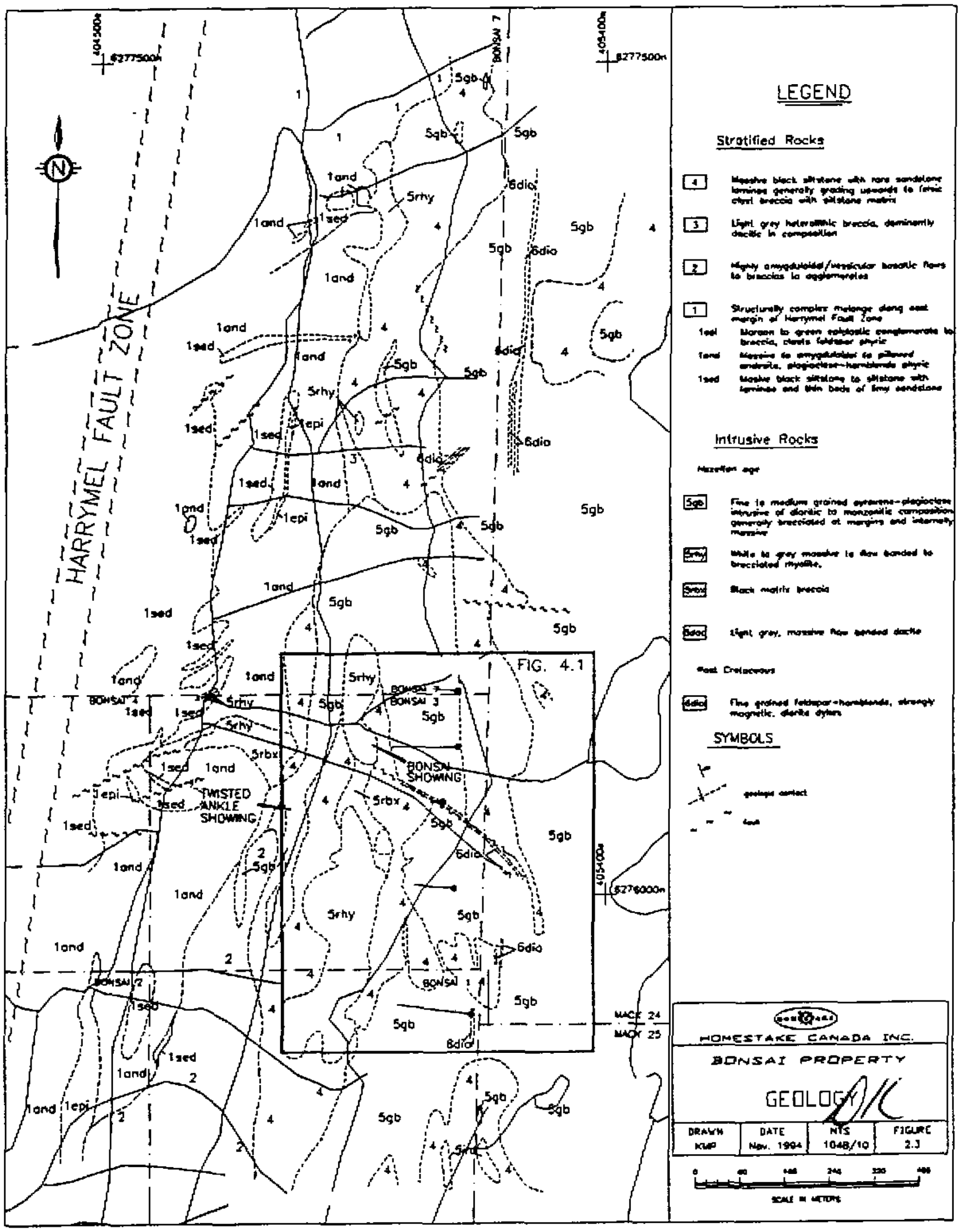

CRATON
NA North American Craton
TERRANES
NORTH AMERICAN BASEMENT?
MO Monashee
DISPLACED CONTINENTAL MARGIN
CA Cassiar
NS Nisling
PERICRATONIC
KO Kootenay
ACCRETED TERRANES
INTERMONTANE SUPERTERRANE
SM Slide Mountain
DY Dorsey
QN Quesnella
CC Cache Creek
ST Stikinia
TERRANES OF THE COAST BELT
CD Cadwallader
BR Bridge River
INSULAR SUPERTERRANE
AX Alexander
WR Wrangelia
OUTER TERRANES
CG Chugach
YA Yakutat
BATHOLITHS
CPC Coast Plutonic Complex
Foreland Belt
Omineca Belt
Intermontane Belt
Coast Belt
Insular Belt
BONSAI PROPERTY
FIG. 2.2
MACKENZIE
YUKON
B.C.
Eastern limit of Cordilleran deformation
ALBERTA
CANADA
U.S.A.
PACIFIC OCEAN
0 100 200 300 km
HOMESTAKE CANADA INC.
BONSAI PROPERTY
LOCATION MAP
DATE Nov. 1994
NTS 104B/10
FIGURE 2.1

The Iskut River map area (104B) contains all the major tectonostratigraphic units which characterize the northern part of Stikinia. The oldest strata in the map area are Devonian to Permian volcano-plutonic and sedimentary rocks of the Paleozoic Stikine assemblage which are best exposed north of the Iskut River and west of the Snip mine between the Craig and Stikine Rivers. In the Iskut River area the Stikine assemblage is characterized by thick sequences of mafic to felsic volcanics, marine sedimentary rocks and fossiliferous limestones.

The Stikine assemblage is unconformably overlain by Upper Triassic andesitic to basaltic flows, sills and breccias intercalated with thick sequences of fine-grained siltstones and volcanic derived feldspathic wackes. The Stuhini group is best exposed in the vicinity of the Snip mine where volcanic derived wackes and siltstone predominate, and west of the Unuk River and Harrymel Creek where sedimentary rocks are intercalated with volcanic rocks.

Unconformably overlying the Stuhini Group are sedimentary, volcanic and related plutonic rocks of the Lower to Middle Jurassic Hazelton Group. Recent work by the BCGS (Grove, 1986, Britton and Alldrick 1989) and the GSC (Anderson, 1990) have divided the Hazelton Group into four volcanic sequences which include the Unuk River, Betty Creek, Mount Dilworth and Salmon River Formations. Stratigraphic investigations by the Mineral Deposit Research Unit - Iskut Project have shown that the Mount Dilworth and Salmon River Formations are age equivalent, representing a bimodal volcanic sequence that marks the secession of volcanic activity in Stikinia prior to the onset of Bowser Lake Group sedimentation.

The Unuk River Formation in the Iskut River area comprises a thick sequence of clastic sedimentary rocks with a basal conglomeratic unit informally named the Jack Formation (Henderson et al., 1992). To the south in the Stewart camp the Unuk River Formation is dominated by andesitic volcanic flows, sills and breccias with minor sedimentary rocks. The Betty Creek Formation conformably overlies the Unuk River Formation and consists of maroon to green andesitic breccias, flows, sills and related sedimentary rocks. Coeval with the Betty Creek Formation are orthoclase megacrystic intrusions which form a northwest linear from the Stewart area to the Iskut River in the vicinity of the Snip mine. The age of these intrusions range from 195 to 185 Ma. Separating the Betty Creek and Mount Dilworth/Salmon River Formations is a thin, locally discontinuous sequence of fine-grained, fossiliferous sedimentary rocks which records a hiatus in volcanic activity during the Jurassic. Overlying these sedimentary rocks are heterolithic dacitic tuffs of the Mount Dilworth Formation, and rhyolite flows, basaltic flows, sills and pillow lava and intercalated siltstones of the Salmon River Formation. The top of the Salmon River Formation is characterized by laminated, pyritic ash tuffs and black siltstones which grade upward into siltstones, sandstones and conglomerates of the overlying Bowser Lake Group.


HARRYMEL FAULT ZONE
FIG. 4.1
BONSAI SHOWING
TWISTED ANKLE SHOWING
LEGEND
Stratified Rocks
4 Massive black siltstone with rare sandstone laminae generally grading upwards to felsic clast breccia with siltstone matrix
3 Light grey heterolithic breccia, dominantly dacitic in composition
2 Highly amygduloidal/vesicular basaltic flows to breccias to agglomerates
1 Structurally complex melange along east margin of Harrymel Fault Zone
1epi Maroon to green epiclastic conglomerate to breccia, clasts feldspar phyric
1and Massive to amygduloidal to pillowed andesite, plagioclase-hornblende phyric
1sed Massive black siltstone to siltstone with laminae and thin beds of limy sandstone
Intrusive Rocks
Hazelton age
5gb Fine to medium grained pyroxene-plagioclase intrusive of dioritic to monzonitic composition generally brecciated at margins and internally massive
5rhy White to grey massive to flow banded to brecciated rhyolite.
5rbx Black matrix breccia
5dac Light grey, massive flow banded dacite
Post Cretaceous
6dio Fine grained feldspar-hornblende, strongly magnetic, diorite dykes
SYMBOLS
geologic contact
fault
HOMESTAKE CANADA INC.
BONSAI PROPERTY
GEOLOGY
DRAWN KMP
DATE Nov. 1994
NTS 104B/10
FIGURE 2.3
SCALE IN METERS

The Hazelton Group strata is best exposed between the Sulphurets camp and the Eskay Creek mine.

Fine-grained siltstones, sandstones and pebble conglomerates of the Middle Jurassic to Lower Cretaceous Bowser Lake Group dominate the northeastern portion of the Iskut River map area. The Bowser Lake Group lies conformably above the Hazelton Group and is characterized by mature sediments including chert derived from Cache Creek Terrane to the northeast.

The western margin of the Iskut map area is dominated by dioritic to granitic intrusions of the Coast Plutonic Complex which forms a northwest trending linear across the map sheet.

Recent volcanic activity in the map area is observed west of the Unuk River from Cone glacier north to the Iskut valley. Tertiary volcanic activity in the map area consists of mafic to felsic dykes of the King Creek dyke swarm and basaltic cones and flood basalts between Cone glacier and the Iskut River valley.

2.2 PROPERTY GEOLOGY

2.2.1 STRATIGRAPHY

The property is underlain by volcanic and sedimentary rocks of the Lower Jurassic Hazelton Group which are separated into two sequences (Figure 2.1). The lower sequence comprises basaltic to andesitic flows, breccias and intercalated fine-grained sandstones and siltstones of the Betty Creek Formation. These stratified rocks are locally intruded by a flow-banded dacitic intrusion and capped by a heterolithic tuff with abundant felsic fragments. The upper tuff unit is likely correllative to the Mount Dillworth Formation.

The upper sequence consists of well bedded black siltstones, feldspathic wackes and pebble conglomerates which have been intruded by a series of rhyolitic subvolcanic intrusions. The margins of the rhyolite are commonly brecciated and comprise felsic and pyritic clasts within a matric of black siliceous silt. A conglomerate unit containing clasts of flow banded and aphanitic rhyolite, stratigraphically above the rhyolite suggests that the rhyolite intrusions formed near the surface and may have been emergent. Rare bedded pyrite lenses are observed stratigraphically above the trace of the rhyolite. Further up section the sedimentary rocks are intruded by medium grained gabbro sills and dykes which are commonly brecciated along the margins. These contact breccias consist of ameboid fragments of gabbro in a silt matrix and are characteristic of intrusion into unlithified sediments. Intercalated with the siltstones above the rhyolite are thin units of andesitic lapilli and ash tuff. The upper sequence has been correlated with the Salmon River Formation.

Strata at the base of the section is highly disruted along the trace of the Harrymel Fault Zone. Further up section the strata strikes north and dips steeply to the eastward into the slope with the pyroxene-phyric sills intruding semi-conformable to the strata.

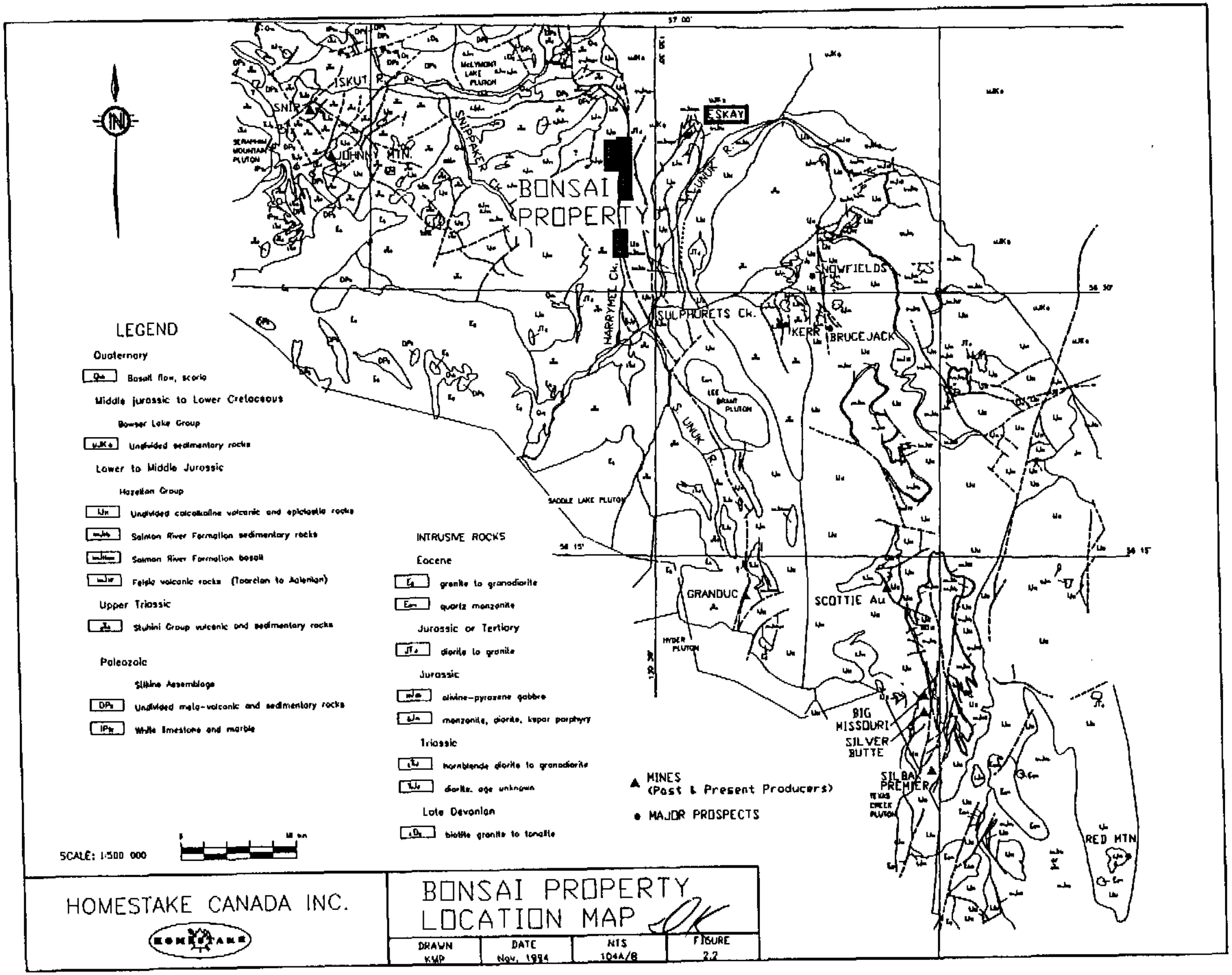
Stratified Rocks

UNIT 1: The oldest unit exposed on the Bonsai property comprises a structurally disrupted sequence fine-grained sediments, andesite, and epiclastic sediments. The sediments (**Unit 1sed**) are dominantly massive, black siltstones with calcareous sandstone interbeds. Volumetrically, andesites (**Unit 1and**) are the most abundant member of this unit and comprise pale green, aphyric to plagioclase-hornblende phyric, flows, and sills. Locally pillowed and amygdaloidal units are present. Intercalated with Unit 1 and are maroon coloured volcanic conglomerates (**Unit 1epi**). Clasts are feldspar-phyric, well to sub-rounded, and 0.1 to 20 cm.

UNIT 2: Conformably overlying Unit 1 are amygdaloidal andesite breccias exposed in the southern portion of the mapped area. Unit 2 is strongly bleached due to intense carbonate alteration. Common coarse breccias and agglomeratic textures indicate a very proximal source for this unit. Fragments, up to cobble size are rounded, strongly amygdaloidal and supported within a matrix of silt and/or fine ash.

UNIT 3: Underlying the north central portion of the map area is a small body of heterolithic dacitic breccia. This unit lies between units 1 and 4, apparently conformably, and in the same stratigraphic position as Unit 2. Timing relations between units 2 and 3 are undetermined. Unit 3 is pale to medium green with fragments of pumiceous, flow banded and aphanitic felsic lithologies and black siltstone are present. Clasts are angular and poorly sorted and hosted within a matrix of chloritized ash.

UNIT 4: The uppermost of the stratified rocks exposed in the mapped area are sedimentary rocks designated as Unit 4. The basal portions of this unit are dominantly a massive black mudstone to siltstone. Higher in the section siltstones are interbedded with feldspathic wacke and comglomerates containing clasts of siltstone, wacke and andesite. Stratigraphically above Unit 5rhy is a distinctive pebble conglomerate unit which contains angular clasts of flow banded and massive pyritic rhyolite. Rare bedded pyrite lenses are also observed stratigraphically above the rhyolite. This unit is interpreted to represent the shedding of felsic material from the emergent portions of Unit 5rhy. Unit 4 is interpreted to be part of the Aalenian to Bajocian Salmon River Formation sedimentary rocks which are host to the Eskay Creek deposit.



HOMESTAKE CANADA INC.

BONSAI PROPERTY LOCATION MAP

DRAWN	DATE	NTS	FIGURE
KMP	Nov. 1994	104A/B	2.2

This unit of andesitic, amygdaloidal lapilli tuffs and ash tuffs are intercalated with sedimentary rocks of Unit 4. Characteristic of this unit are angular siltstone fragments, interpreted as rip-up clasts. These andesitic tuffs are not exposed on surface, but were identified in drill core. Regionally these tuffs are correlated with a laterally persistent andestic tuff which is exposed to the east of the Bonsai property.

Intrusive Rocks

UNIT 5dac: Exposed near the base of the slope is a small body of strongly flow banded dacite with small areas of auto-brecciation along its western margin. It is fault bounded on the northern and southern sides.

UNIT 5rhy: Along the upper slopes of the mapped area lies a discontinuous but laterally persistent series of rhyolite domes which intrude into sedimentary rocks of Unit 4. Internally the rhyolite is autobrecciated, consisting of angular clasts of white to grey coloured, massive and flow banded rhyolite within an amorphous siliceous matrix. Both the matrix and clasts contains up to 5% fine-grained disseminated pyrite. The upper contact of the rhyolite locally forms a black matrix breccia consisting of angular rhyolite clasts within a black siliceous matrix (**Unit 5rbx**). Black matrix breccias are also developed adjacent to rhyolite however, these breccias are characterized by sericitically altered fragments of rhyolite within a matrix of siltstone. The rhyolite is thought to represent a shallowly intrusive dome complex, with the black matrix breccia forming in response to the intrusion of the rhyolite domes into unlithified sediments.

A rhyolite body, exposed below the main trace of Unit 5rhy, along line 1+00N is interpreted to represent a dyke feeding the dome complex. One such body in the northern portion of the mapped area (at L10+00N 3+50W) appears to cut massive andesite of Unit 1 and has an envelope of strong silicification.

Unit 5rhy is correlated with Salmon River Formation rhyolite which forms the footwall to massive sulphide mineralization of the 21B zone at the Eskay Creek deposit. On the east limb of the Eskay Anticline, this unit has been dated at 175+5.6/-0.5 Ma by U-Pb zircon (Childe, 1993).

UNIT 5gb: Sills and dykes of gabbroic intrude sedimentary strata of Unit 4, forming the prominent cliffs exposed along the top of the slope. The sills are pyroxene and plagioclase bearing and vary medium grained in the core to aphanitic along the margins. The margins of gabbro sills are commonly brecciated and carbonate+sericite altered. These contact breccias, (**Unit 5gbx**) consist of ameboid fragments of gabbro in a silt matrix and are characteristic of intrusion into unlithified sediments. Sills and dykes of Unit 5gb are exposed both above and below the trace of Unit 5rhy.

UNIT 6dio: Observed throughout the mapped area are north and northeast trending dioritic dykes. These are fine grained, feldspar-hornblende phyric, strongly magnetic and generally 0.5 to 3 metres wide. They can be observed to cut all of the upper units on the property and often follow pre-existing structures. The age of Unit 6dio is interpreted to be post-Cretaceous.

2.2.2 Structure

The Bonsai property is characterized by moderately east-dipping strata that has been strongly disrupted by the Harrymel Fault Zone and intruded by several cross cutting intrusive bodies. Foliations dominantly trend northeast and dip steeply to the northwest, although there are localized northwest trending fabrics related to late stage faulting.

The western third of the mapped area can be considered as part of the Harrymel Fault Zone. Here , the intercalation of units 1sed and is in part a result of structural disaggregation of andesitic units within a less brittle, sedimentary matrix. Northeast trending faults are exposed in this area and are interpreted as reidel shears within the Harrymel Fault Zone.

The eastern part of the map area consist of relatively undeformed sediments of Unit 4 intruded by the large sill-like body of Unit 5int and smaller, discrete bodies of Unit 5rhy. These intrusions are interpreted to have inflated the stratigraphic thickness of Unit 4 considerably. In this region the sedimentary strata strike northward and dip moderately into the slope. Local variations in bedding are related to northeast and southeast striking faults.

2.2.3 Alteration and Mineralization

Alteration on the Bonsai property primarily consist of carbonate+sericite+pyrite and chlorite+carbonate alteration in the andesitic strata and mafic intrusions of Unit 5gb. The intensity of alteration increases in the vicinity of the Twisted Ankle showing where sericitic and mixed illite/clay alteration is hosted within intrusive rocks of unit 5gb (previously identified as 5rhy). Disseminated pyrite is ubiquitous within the altered portions of Unit 5gb, and minor sphalerite is present within zones of mixed illite/clay alteration underlying the Twisted Ankle showing. The Twisted Ankle showing also hosts crustiform quartz stockwork veining which contain bands of fine grained, colliform pyrite mineralization which is anomallous in gold up to 429 ppb Au.

Alteration within the rhyolite consists of silica along the margins and sericite in the core of the dome and identified in drill hole BZ95-2.

Fine grained disseminated pyrite is ubiquitous within the rhyolite and comprises up to 5% of the rock. Disseminated sphalerite occurs within zones of sericite alteration.

The Bonsai showing is hosted along the upper contact of the rhyolite and consists of brecciated rhyolite and fragments of banded massive pyrite mineralization within a silicous black matrix which assays up to 2540 ppb Au (Cremonese, 1993).

Mineralization comprises finely disseminated pyrite, and minor disseminated sphalerite.

3. SURFACE GEOCHEMISTRY

3.1 ROCK GEOCHEMISTRY

3.1.1 Method of Survey

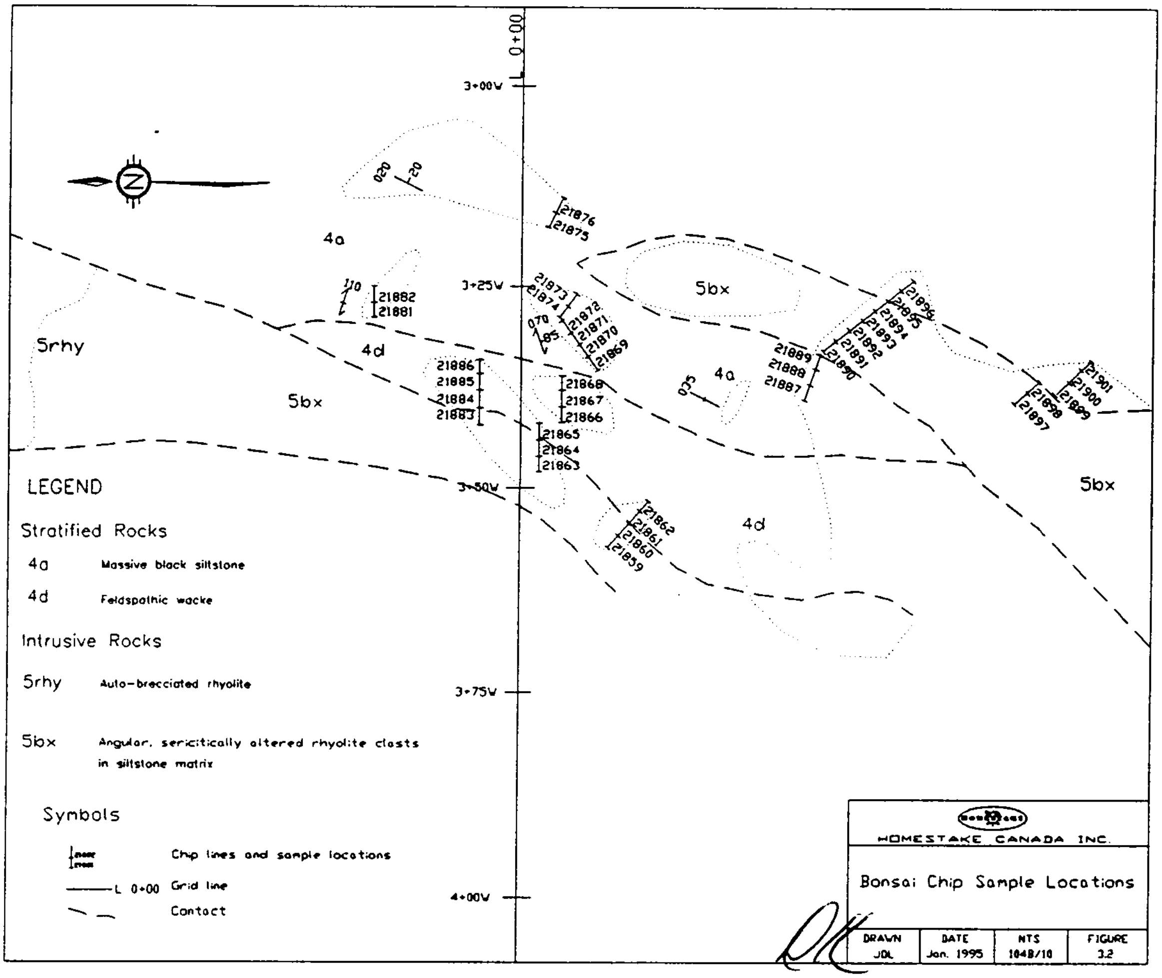
A total of 47 rock samples were collected from ten continuous chip lines between lines 1+00SN and 1+00S and above the trace of the two rhyolite intrusions in this area (Figure 3.1). Sampling concentrated on providing surface assay data to correlate with assay data from drill holes and to identify the potential for precious metal mineralization within mudstones along the upper contact of the rhyolite. The area was also mapped at a scale of 1:100.

Rock samples were analyzed at International Plasma Laboratories of Vancouver, B.C. Rock samples were crushed to a -10 mesh, riffle split and a 250 gram sample was sieved to -250 for analysis. Each sample was analyzed for gold by Fire Assay with an AA finish using a 30 gram sample. Samples were also analyzed using Aqua-Regia digestion and ICP scan for the standard 30 element package.

3.1.2 Results

Assays from continuous chip lines returned gold values from below detection to a high of 1330 ppb Au. Two samples collected from the upper contact of rhyolite black matrix breccia assayed 1330 and 1070 ppb Au and a third sample collected from feldspathic wacke above the rhyolite returned 116 ppb Au. Samples from the contact zone are also anomalous in Ag, As, Sb, and Hg.

Gold assays from siltstones above the rhyolite are erratic, averaging from below detection level to 10 ppb Au.

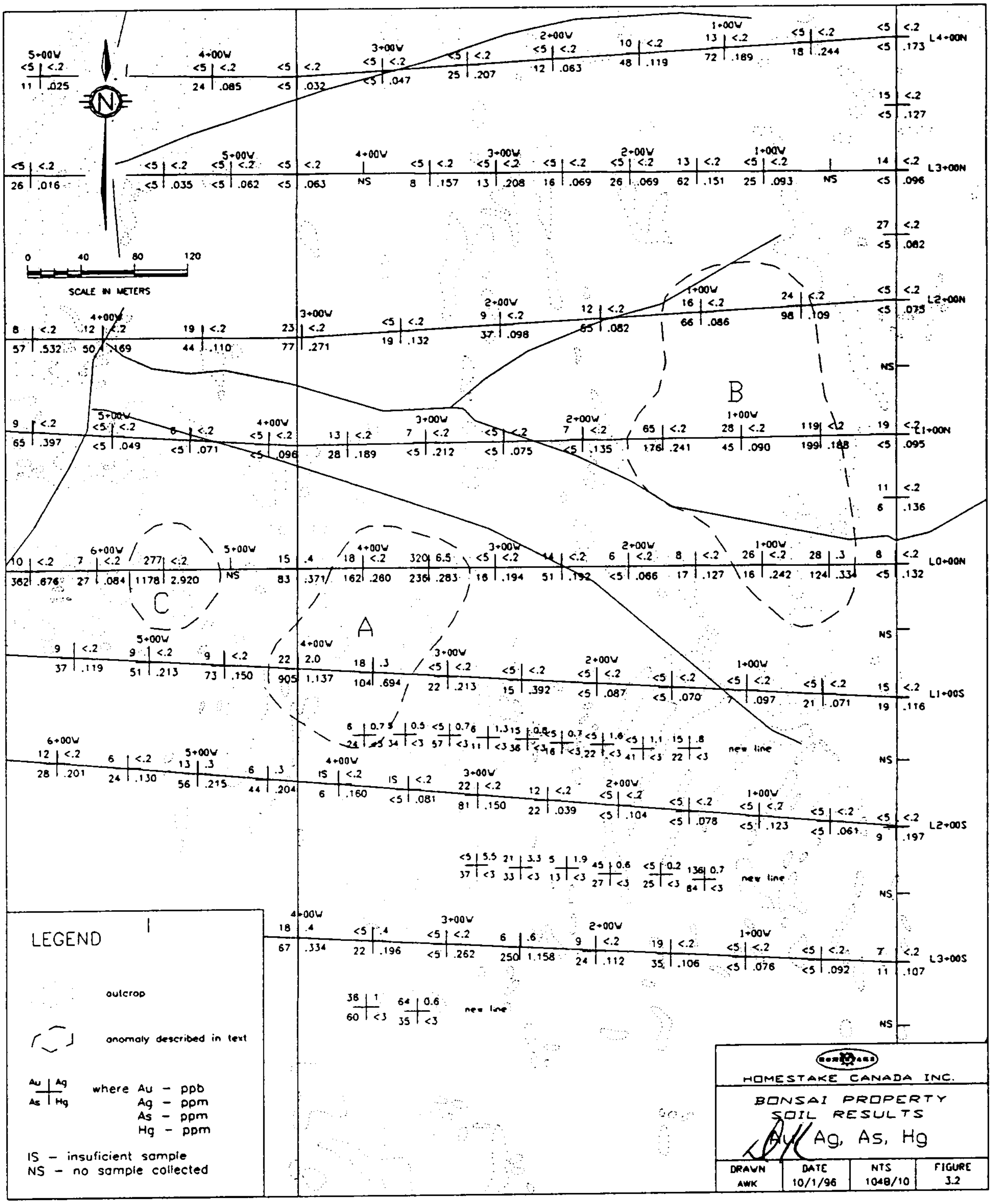


3.2 SOIL GEOCHEMISTRY

3.2.1 Method of Survey

A total of 17 soil samples were collected on the Bonsai property during the 1995 field season. Samples were collected between Lines 1+00S and 4+00S and between 1+50W and 3+50W (Figure 3.2). Samples were collected along infill lines spaced 50 metres from previously established soil lines to increase the density of soil sampling above the trace of the trace of the most southern rhyolite subvolcanic dome.

Samples were collected with a mattock or geotool, placed in a kraft paper bag and air dried prior to shipment to International Plasma Laboratories of Vancouver, B.C. Samples were sieved to -80 mesh and analysed for gold by Fire Assay with an AA finish using a 30 gram sample. Samples were also analysed using Aqua-Regia digestion and ICP scan for Ag, Cu, Pb, Zn, As, Sb and Hg.


L4+00N
L3+00N
L2+00N
L1+00N
L0+00N
L1+00S
L2+00S
L3+00S
5+00W
4+00W
3+00W
2+00W
1+00W
6+00W
N
0 40 80 120
SCALE IN METERS
A
B
C
new line
NS
LEGEND
outcrop
anomaly described in text
Au | Ag
As | Hg
where Au – ppb
Ag – ppm
As – ppm
Hg – ppm
IS – insuficient sample
NS – no sample collected
HOMESTAKE CANADA INC.
BONSAI PROPERTY
SOIL RESULTS
Au, Ag, As, Hg
DRAWN AWK
DATE 10/1/96
NTS 104B/10
FIGURE 3.2

3.2.2 Results

Gold values for soil samples averaged from below detection level to a high of 136 ppb Au. Sampling did not extend the soil anomaly B, identified in 1994 to the south. Further, the sediment immedately above the trace of the rhyolite were weakly anomalous an displayed no continuity.

Anomalous results of 35 and 64 ppb Au were obtained from immediately above the trace and within the rhyolite along line 3+50S. Suggests that, like the area of continuous chip sampling, the upper contact of the rhyolite is anomalous.

4. DIAMOND DRILLING PROGRAM

Five diamond drill holes totalling 1181 metres were completed on the Bonsai property between August 9 and August 28, 1995 (Table 4.1). Drilling was completed by Hy-Tech Drilling Ltd. of Smithers, B.C. using a modified Boyles F-14 diamond drill recovering NQTK core. Drill core is stored at Kilometre 45 on the Eskay Creek mine road at the exploration camp of Homestake Canada Inc.

The drilling program was constructed to test the potential for precious metal enriched exhalative mineralization stratigraphically above the trace of the rhyolite or epigenetic mineralization hosted within the rhyolite and to test the lateral extent of mineralization down dip of the east dipping rhyolite. In total drilling tested 575 metres of strike length to a distance of 60 to 140 metres down dip from the surface trace of the rhyolite (Figure 4.1).

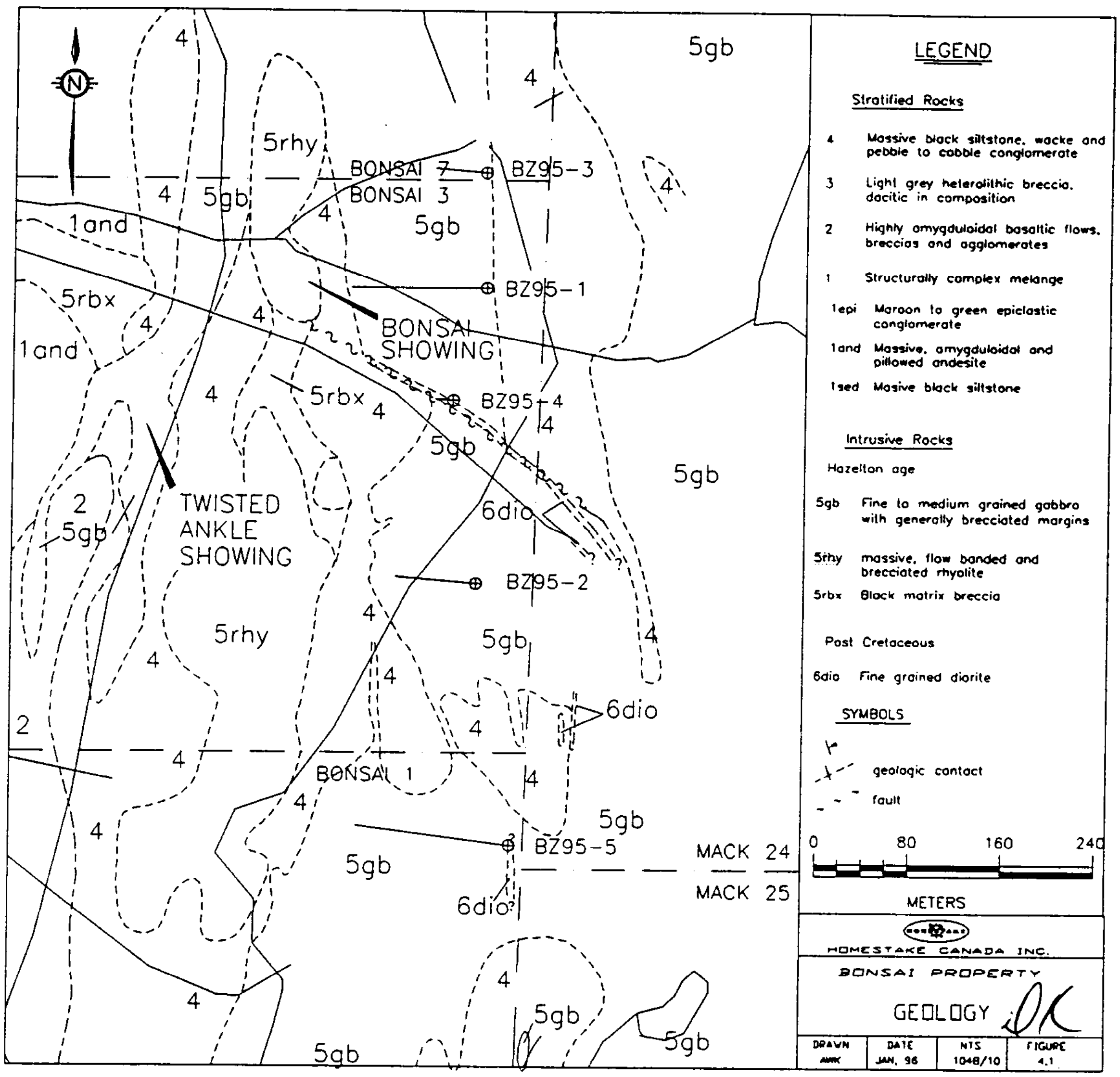
Table 4.1 Drill Hole Summary

DDH	AZIMUTH	DIP	LENGTH (m)
BZ95-1	270	-60	237.1
BZ95-2	275	-75	270.1
BZ95-3	275	-80	237.7
BZ95-4	275	-80	89.0
BZ95-5	275	-67	346.9
		TOTAL	1180.8

A total of 258 core samples were collected for assay from the rhyolite and sedimentary units adjacent to the rhyolite. Samples were collected at regular intervals within mapable units, with sample intervals terminating when a new lithological unit was encountered.

Core samples were analyzed at International Plasma Laboratories of Vancouver, B.C. Core samples were crushed to a -10 mesh, riffle split and a 250 gram sample was sieved to -250 for analysis. Each sample was analyzed for gold by Fire Assay with an AA finish using a 30 gram sample. Samples were also analyzed using Aqua-Regia digestion and ICP scan for the standard 30 element package.

Drilling on the Bonsai property confirmed that the rhyolite domes dip moderately to the east, are concordent with stratigraphy and thin rapidly down dip. The rhyolite consists of autobrecciated, flow banded and aphanitic fragments within a siliceous matrix both of which host finely disseminated pyrite. Small zones of sericite+pyrite alteration were identified in hole BZ95-2 in the center of the rhyolite which host minor sphalerite mineralization.



Above the rhyolite, drilling intersected a sequence of siltstones, feldspathic wacke, lesser intraformational conglomerate and andesite lapilli and ash tuff which is intruded by dykes and sills of medium to coarse grained gabbro.

A pebble to coase wacke containing fragments of the rhyolite and massive pyrite mineralization was identified above the trace of the rhyolite. Similar rhyolitic pebble conglomerates have been identified on surface suggesting that the rhyolite intruded near surface and may have been emergent.

Anomalous mineralization was encountered in BZ95-1, which intersected the rhyolite down dip of the Bonsai showing. Assays from the mudstone in BZ95-1 averaged between 3 and 124 ppb Au with a high value of 1710 ppb Au over 1 metre. Gold values from the rhyolite ranged between 5 and 100 ppb Au. In the remainder of the holes both the sedimentary strata and the rhyolite were sub anomalous with gold values typically below 5 ppb.

4.1 Diamond drill hole summaries

DDH BZ95-1

Drill hole BZ95-1 was collared to the east of the Bonsai showing to intercept the trace of the rhyolite 100 metres down dip and drilled to a depth of 237.1 metres (Figure 4.2). The top 148 metres of the hole intersected intercalated siltstone feldspathic wacke and minor andesite tuff intruded and disrupted by gabbro dykes and flows the margins of which are typically autobrecciated. From 148 to 158.8 metres pebble to coarse wacke contains clasts of massive pyrite, laminated mudstone and flow-banded to aphanitic rhyolite. This unit lies immediately above autobrecciated rhyolite intersected below 159.5 metres. Separating the rhyolite with the overlying sedimentary strata is a fault zone. Displacement on this fault is interpreted to be minor. From the drill section it is apparent that the rhyolite thins down dip.

Assays from the stratified units above the rhyolite returned values between 3 and 124 ppb Au with a high of 1710 ppb Au from massive to laminated siltstones 25 metres above the trace of the rhyolite. Samples from autobrecciated, pyritic rhyolite returned between 5 and 100 ppb Au.

DDH BZ95-2

Drill hole BZ95-2 was located 255 metres south of BZ95-1 to intersect the down dip extent of the large rhyolite dome to the south of the Bonsai showing (Figure 4.1). As in the previous hole BZ95-2 intersected siltstones, wackes and conglomerate sequence intruded by gabbro sills and dykes which overlie autobrecciated flow-banded and aphanitic rhyolite. Weak sericite+pyrite alteration hosting minor disseminated sphalerite was identified near the core of the rhyolite between 176 and 208 metres. From the section it is apparent that the rhyolite is conformable to bedding and thins rapidly down dip (Figure 4.3).

Assays from both the rhyolite and overlying sedimentary strata were sub anomalous in gold with the rhyolite averaging between 1 an 22 ppb Au and the sedimentary strata between 5 and 62 ppb Au.

DDH BZ95-3

Drill hole BZ95-3, located 100 metres to the north of BZ95-1, failed to intersect the down dip extent of the rhyolite. Due to the rapid thinning of the rhyolite in drill holes BZ95-1 and 2 it is inferred that the rhyolite terminates above the trace of BZ95-3 (Figure 4.4).

Samples collected from massive to laminated mudstones at the inferred down dip trace of the rhyolite were sub anomalous in gold averaging below 25 ppb Au.

DDH BZ95-4

BZ95-4 was collared adjacent to a prominent southeast striking, steepy southwest dipping fault. The drill hole was oriented near vertical in an effort to drill in the footwall of the fault however, the hole had to be abandoned at 89 metres because of poor ground conditions encountered in the fault. The hole intersected two intervals of rhyolite separated by a fault. The fault is inferred to cut the rhyolite with south side up displacement (Figure 4.5).

Assays from both the rhyolite and sedimentary rocks are sub anomalous in gold averaging below 5 ppb Au with a high of 82 ppb Au from siltstones above the rhyolite.

DDH BZ95-5

Drill hole BZ95-5 was located 220 metres south of BZ95-2, and oriented at a steeper dip to intersect the trace of the rhyolite further down dip than BZ95-2 (Figure 4.1). Rhyolite breccia was intersected between 180.4 and 187.7 metres. The decrease in the apparent thickness of the rhyolite in comparison with BZ95-2 indicates that the rhyolite dome is wedge shaped (Figure 4.6). The strata above the rhyolite is consistent with that in the earlier holes, comprising gabbro intruding a sequence of siltstone and wacke. Volcanic lapilli and ash tuffs are more abundant in BZ95-1 when compared with earlier holes.

Unlike BZ95-2, no zones of sericite alteration and mineralization were encountered in the rhyolite and core samples averaged below 5 ppb Au. Sub anomalous assays were also obtained from the overlying sedimentary rocks.

5. DISCUSSION AND CONCLUSIONS

The property is underlain by volcanic and sedimentary rocks of the Lower Jurassic Hazelton Group which are separated into two sequences (Figure 2.1). The lower sequence comprises basaltic to andesitic flows, breccias and intercalated fine-grained sandstones and siltstones of the Betty Creek Formation. These stratified rocks are locally intruded by a flow-banded dacitic intrusion and capped by a heterolithic tuff with abundant felsic fragments. The upper tuff unit is likely correllative to the Mount Dillworth Formation.

The upper sequence consists of well bedded black siltstones, feldspathic wackes and pebble conglomerates which have been intruded by a series of rhyolitic subvolcanic intrusions. The margins of the rhyolite are commonly brecciated and comprise felsic and pyritic clasts within a matrix of black siliceous silt. A conglomerate unit containing clasts of flow banded and aphanitic rhyolite, stratigraphically above the rhyolite suggests that the rhyolite intrusions formed near the surface and may have been emergent. Rare bedded pyrite lenses are observed stratigraphically above the trace of the rhyolite. Further up section the sedimentary rocks are intruded by medium grained gabbro sills and dykes which are commonly brecciated along the margins. These contact breccias consist of ameboid fragments of gabbro in a silt matrix and are characteristic of intrusion into unlithified sediments. Intercalated with the siltstones above the rhyolite are thin units of andesitic lapilli and ash tuff. The upper sequence has been correlated with the Salmon River Formation.

Strata at the base of the section is highly disrupted along the trace of the Harrymel Fault Zone. Further up section the strata strikes north and dips steeply to the eastward into the slope with the pyroxene-phyric sills intruding semi-conformable to the strata.

Assays from continuous chip lines retured gold values from below detection to a high of 1330 ppb Au. Two samples collected from the upper contact of rhyolite black matrix breccia assayed 1330 and 1070 ppb Au and a thrid sample collected from feldspathic wacke above the rhyolite returned 116 ppb Au. Samples from the contact zone are also anomalous in Ag, As, Sb, and Hg. Assays from siltstones above the rhyolite are sporadic, averaging from below detection level to 10 ppb Au.

Gold values for soil samples averaged from below detection level to a high of 136 ppb Au. Sampling did not extend the soil anomaly B, identified in 1994 to the south. Isolated results of 35 and 64 ppb Au were obtained from immediately above the trace and within the rhyolite along line 3+50S. Suggests that, like the area of continuous chip sampling, the upper contact of the rhyolite is anomalous in gold mineralization.

Drilling on the Bonsai property confirmed that the rhyolite domes dip moderately to the east, are concordent with stratigraphy and thin rapidly down dip. Anomalous mineralization was encountered in BZ95-1, which intersected the rhyolite down dip of the Bonsai showing. Assays from the mudstone in BZ95-1 averaged between 3 and 124 ppb Au with a high value of 1710 ppb Au. Gold values from the rhyolite ranged between 5 and 100 ppb Au. In the remainder of the holes both the sedimentary strata and the rhyolite were sub anomalous with gold values typically below 5 ppb. A discrete zone of sericite+pyrite alteration, which host minor sphalerite mineralization, was identified in hole BZ95-2 in the center of the rhyolite. Assays collected from this zone were also sub anomalous.

6. RECOMMENDATIONS

Surface work completed in 1991 by Teuton Resources Corp., and by Prime Resources Group Inc. in 1994 and 1995, has identified an area of anomalous gold mineralization on surface, which is located along the upper contact of the rhyolite, at the Bonsai showing, which extends 60 metres to the south (at L0+00, 3+00W). Diamond drilling beneath the Bonsai showing, BZ95-1 intersected anomalous gold values within the rhyolite and over lying sedimentary strata 100 metres down dip. Weakly anomalous gold mieneralization was also intersected within BZ95-3, located 100 metres to the south of BZ95-1. Elsewhere on the property, assays obtained from soil, outcrop and drill core are sub anomalous, to weakly anomalous in gold and display no correlation.

This evidence indicates that continued exploration efforts should be directed towards exploring the potential for precious metal mineralization down dip of the Bonsai showing. Because BZ95-3 failed to adequately test the target horizon, a drill hole directed to intersect the rhyolite further down dip of BZ95-3 should be completed.

6. REFERENCES

Anderson, R.G., Thorkelson, D.J. (1990): Mesozoic Stratigraphy and Setting for Some Mineral Deposits in Iskut River Map Area, Northwestern British Columbia; in Current Research, Part E, Geological Survey of Canada, Paper 90-1F, pp. 131-139.

Britton, J.M., Webster, I.C.L., and Alldrick, D.J. (1989): Unuk Map Area (104G/7E, 8W, 9W, 10E); in B.C. Energy, Mines and Petroleum Resources, Geological Fieldwork 1988, Paper 1989-1, pp. 241-250.

Childe, F.C., (1993): Radiogenic Isotopic Investigations of the Eskay Creek Volcanic Hosted Massive Sulphide Deposit, B.C., Canada; in The International Congress on Geochronology, Cosmochronology.

Cremonese, D., 1992, Assessment report on geological and geochemical work on the Bonsai #1, #2 and #3 claims.

Grove, E.W. (1986): Geology and Mineral Deposits of the Unuk River - Salmon River - Anyox Area; B.C. Energy Mines and Petroleum Resources, Bulletin 63.

Henderson, J.R., Kirkham, R.V., Henderson, M.N., Payne, J.G., Wright, T.O. and Wright, R.L., (1992): Stratigraphy and structure of the Sulphurets area, British Columbia; in Current Research, Part A; Geological Survey of Canada, Paper 92-1A, p. 323-332.

Patterson, K.M., Kaip, A.W. and Kuran, D.L. (1994): 1994 Exploration Program on the Bonsai Property.

APPENDIX 1
STATEMENT OF COSTS

STATEMENT OF COSTS

PRIME RESOURCES GROUP INC.

PROJECT NAME: BONSAI **TOTAL COST** 171,496.54
CODE: 90707
Date of Expenditures: July 7 to August 31, 1995

DESCRIPTION		AMOUNT	RATE ($)	NET($)	TOTAL
1.0 SALARIES	(IN HOUSE)				
	Technical				
	A. KAIP	21.5	240.50	5,170.75	
	K. PATTERSON	5	201.50	1,007.50	
	D. KURAN	0.5	325.00	162.50	
	Seasonal				
	C. DOWNIE	8	175.50	1,404.00	
	J. LEWIS	4	175.50	702.00	
	M. PHILLIPS	3.5	156.00	546.00	
	B. Beck	21	156.00	3,276.00	
				Subtotal	12,268.75
1.1 FEES	(CONSULTANTS)				
	C. BALDYS	12	285.00	3,420.00	
	OTHER			260.00	
				Subtotal	3,680.00
2.0 GEOPHYSICS					
	Ground			0.00	
	Airborne			0.00	
	Remote Sensing			0.00	
				Subtotal	0.00
3.0 DRILLING					
	Surface			81,814.41	
	Mob/Demob			0.00	
	Fuel/Supplies			7,870.50	
				Subtotal	89,684.91
4.0 ANALYSIS	(ASSAY, METALLURGICAL)				
	Rock	305	17.10	5,215.50	
	Soil	17	15.25	259.25	
				Subtotal	5,474.75
5.0 FIELD/CAMP					
	Field Supplies			581.05	
	Camp Costs			2,400.23	
	Camp Construction			6,251.43	
	Expediting			0.00	
				Subtotal	9,232.71

STATEMENT OF COSTS

PRIME RESOURCES GROUP INC.

PROJECT NAME: BONSAI   **TOTAL COST** 171,496.54
CODE: 90707
Date of Expenditures: July 7 to August 31, 1995

DESCRIPTION		AMOUNT	RATE ($)	NET($)	TOTAL
6.0 SURFACE WORK					
	Line cutting			0.00	
	Trenching/Pitting			3,605.63	
			Subtotal		3,605.63
7.0 TRAVEL					
	Lodging			57.24	
	Meals			4,231.19	
	Airfare			0.00	
	Taxi/Car rental/mileage			24.53	
			Subtotal		4,312.96
8.0 TRANSPORTATION					
	Vehicle lease/rental			0.00	
	Vehicle operating/maintenance/repair			100.00	
	Helicopter			41,204.00	
	Fixed wing			0.00	
			Subtotal		41,304.00
9.0 SUPPORT ACTIVITIES					
	Communications			552.30	
	Maps/publications/photo			0.00	
	Drafting			0.00	
	Office supplies			0.00	
	Freight/shipping			1,380.53	
			Subtotal		1,932.83
			TOTAL		171,496.54

Apportionment of Expenditures

$47,200 applied as assessment work to the Bonsai group claims (Event No. 3080063) dated December 4, 1995 with $60,000 in expenditures credited to Teuton Resources Corp., Account No. 126630 and the balance of expenditures credited to Prime Resources Group Inc., Account No. 121911.

APPENDIX 2
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Andrew W. Kaip, of 901-1050 Harwood Street, Vancouver, British Columbia, do hereby certify that:

1. I am presently employed by Homestake Canada Inc. of 1000-700 West Pender Street, Vancouver, British Columbia as a Project Geologist.

2. I graduated from Carlton University (1992) and hold a B.Sc. (Highest Honours) in geology.

3. I have been employed in my profession as an Exploration Geologist in Canada since graduation.

4. I have no interest in the property described herein, nor in the securities of any company associated with the property, nor do I expect to acquire any such interest.

Signed at Vancouver, British Columbia this 31 day of January, 1996.

ANDREW W. KAIP B.Sc.

STATEMENT OF QUALIFICATIONS

I, David L. Kuran of 25630 Bosonworth Avenue, in the Municipality of Maple Ridge, British Columbia, do hereby certify that:

1. I am a graduate of the University of Manitoba (1978) and hold a B.Sc. in Geology.

2. I am a fellow of the Geological Association of Canada.

3. I am a member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

4. I have been employed in my profession as an Exploration Geologist in Canada, U.S.A., and Mexico since graduation.

5. I am presently employed by Homestake Canada Inc. of 1000-700 West Pender Street, Vancouver, British Columbia as Senior Geologist.

6. I supervised the planning and implementation of the work described in this report, was in communication with the project geologist on site and was involved in the data interpretation and editing of this report on the Bonsai claims.

7. I consent to the use of this report concerning the 1996 exploration program carried out on the Bonsai mineral claims owned by Teuton Resources Corp. in the Skeena Mining Division, NTS 104B/10, for all corporate purposes relating to Prime Resources Group Inc. and Teuton Resources Corp.

Signed at Vancouver, British Columbia this 31 day of January, 1996.

PROFESSIONAL GEOSCIENTIST — D. L. KURAN — BRITISH COLUMBIA

DAVID L. KURAN B.Sc., P.Geo.

APPENDIX 3
DRILL HOLE LOGS

HOMESTAKE MINING COMPANY **DRILL HOLE LOG** **BZ95-1**

PROJECT: BONSAI DRILL HOLE: BZ95-1 LENGTH: 237.10	Date Commenced: 9/8/95 Date Completed: 11/8/95 Core Diam: NQTK	Contractor: HY-TECH DRILLING	Logged by: CB Geotech by: BB

Collar Location

Latitude: 6276272.00
Departure: 405136.00
Elevation: 3420.00

S U M M A R Y

0.00-3.60	OVERBURDEN
3.60-8.50	GABBRO INTRUSION BRECCIA
8.50-20.80	MASSIVE MUDSTONE
20.80-38.30	MASSIVE GABBRO
38.30-50.90	WACKE
50.90-56.90	MASSIVE MUDSTONE
56.90-58.70	MASSIVE GABBRO
58.70-61.20	WACKE
61.20-65.10	MASSIVE GABBRO
65.10-70.70	MASSIVE MUDSTONE
70.70-71.60	MASSIVE GABBRO
71.60-77.10	MASSIVE MUDSTONE
77.10-116.80	MASSIVE GABBRO
116.80-118.00	MASSIVE MUDSTONE
118.00-120.20	MASSIVE GABBRO
120.20-129.20	GABBRO INTRUSION BRECCIA
129.20-132.40	FAULT ZONE
132.40-139.00	MASSIVE MUDSTONE
139.00-139.40	FAULT ZONE
139.40-148.00	MASSIVE MUDSTONE
148.00-158.80	HETEROLITHIC CONGLOMERATE
158.80-159.50	FAULT ZONE
159.50-166.60	RHYOLITE INTRUSIVE BRECCIA
166.60-167.60	MASSIVE MUDSTONE
167.60-178.40	ANDESITE LAPILLI TUFF
178.40-189.20	INTERBEDED SILTSTONE/WACKE
189.20-195.80	MASSIVE GABBRO
195.80-207.40	HETEROLITHIC CONGLOMERATE
207.40-237.10	GABBRO INTRUSION BRECCIA

DOWN HOLE SURVEYS

Depth	Azim	Inclin	Method
0.00	270.00	-60.00	BRUNTON
228.60	271.00	-61.00	SPERRY SUN

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
0.00	3.60	OVERBURDEN										
3.60	8.50	GABBRO INTRUSION BRECCIA Brownish-green, Brecciated, oxidized Frs=3.4/m :Vns =1/m Trace CB clasts Mafic volcanic derived wacke disrupted by intrusion of gabbroic sill.										
8.50	20.80	MASSIVE MUDSTONE Fine-coarse grained, black, massive, Brecciated fault/gouge 20°:fracturing 40° Frs=21/m Strongly fractured with slickesides on fracture planes. Thin beds of volcanic derived wacke at 10.6-10.8 metres and 18.7-19.3 metres.										
20.80	38.30	MASSIVE GABBRO Pale green, chilled margin, mottled qz-carb veining 40°:fracturing 5° Frs=1.7/m :Vns =.5/m Moderate CV macroveins Sediment intrusive interaction zone 20.1 to 21.2, shattered gabbro fragments and hyaloclastite with silstone matrix from 37.1 to 38.3 Core of intrusion has 20% mafic phenocrysts in matric of plagioclase, fine to medium grained, with narrow breccia zones.										
38.30	50.90	WACKE Gray, gritty, laminated bedding 75°:fracturing 40° Frs=1.3/m Trace CV macroveins Feldspar-rich, volcanic derived wacke. Bedding is commonly disrupted.										
50.90	56.90	MASSIVE MUDSTONE Grayish-black, bedded, laminated fracturing 5°:bedding 75° Frs=2.6/m Trace CV macroveins Minor wacke.										
56.90	58.70	MASSIVE GABBRO										

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
		Pale green, mottled, chilled margin contact 30°:fracturing 20°										
58.70	61.20	WACKE Grayish-black, graded contact 30°:fracturing 5° Frs=3.4/m Weak PY nodules Weak CV macroveins Interbedded massive mudstone.										
61.20	65.10	MASSIVE GABBRO Green, chilled margin contact 45° Frs=3.4/m Weak CL pervasive Weak CB pervasive Trace CV macroveins										
65.10	70.70	MASSIVE MUDSTONE Aphanitic, black, massive, clastic Weak PY nodules Weak CV macroveins Isolated fragments of carbonate altered gabbro.										
70.70	71.60	MASSIVE GABBRO Pale green, chilled margin Trace CV macroveins Hosts narrow intervals of mudstone.										
71.60	77.10	MASSIVE MUDSTONE Aphanitic, black, massive Trace PY blebs Locally laminated.										
77.10	116.80	MASSIVE GABBRO Green, chilled margin fracturing 20° Frs=2/m Weak CL pervasive Weak CB pervasive Trace CV macroveins Upper margin is quenched and brecciated from 77.1 to 78.8 metres. Interval of volcanic wacke from 78.8 to 81 metres. Intrusion comprises up to 20% mafic phenocrysts in										

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
		plagioclase rich groundmass.										
116.80	118.00	MASSIVE MUDSTONE										
		Massive, clastic										
		fracturing 45°										
		Frs=1/m										
		Weak PY nodules										
		Isolated clasts of andesite and calcite veined										
		siltstone.										
118.00	120.20	MASSIVE GABBRO										
		Aphanitic, green, chilled margin										
		fracturing 5°										
		Frs=1.5/m										
		Trace PY blebs										
		Disseminated blebs of pyrite at lower contact.										
120.20	129.20	GABBRO INTRUSION BRECCIA	20756	123.40-124.40	1.00	9	1.2	62	18	269	35	2
		Fine-coarse grained, greenish-black, chilled margin, fragmental	20751	127.40-128.40	1.00	10	1.1	36	17	75	23	2
		fracturing 35°:fracturing 45°										
		Moderate CB clasts										
		Trace PY disseminated										
		Black siltstone, highly disrupted with rounded clasts										
		of carbonate altered gabbro.										
<126.40-127.40>		MASSIVE GABBRO										
		Aphanitic, green, chilled margin										
		Frs=1/m										
129.20	132.40	FAULT ZONE	20752	128.40-129.40	1.00	11	1.3	47	20	245	35	2
		Aphanitic, black, fractured, veined	20753	129.40-130.40	1.00	11	1.3	46	12	432	21	2
		fracturing 55°:cleavage, foliation 60°	20754	130.40-131.40	1.00	13	1.3	64	18	453	39	2
		Frs=8/m	20755	131.40-132.40	1.00	18	1.1	63	17	337	33	2
		Weak CV vein										
		Black graphitic mudstone strongly sheared/fractured,										
		patially healed by carbonate. Abundant slickensides										
		and narrow gouge zones.										
132.40	139.00	MASSIVE MUDSTONE	20757	133.40-134.40	1.00	13	1.1	63	18	381	31	2
		Black, contorted, laminated	20758	134.40-135.40	1.00	1710	1.5	76	19	683	56	2
		fracturing 35°	20759	135.40-136.40	1.00	16	1.2	62	16	448	37	2
		Frs=2.4/m	20760	136.40-137.40	1.00	10	1.4	57	14	625	45	2
		Trace PY nodules	20761	137.40-138.40	1.00	12	1.3	68	11	358	30	2
139.00	139.40	FAULT ZONE	20762	138.40-139.00	0.60	24	1.4	69	15	909	33	2
		Black, fractured	20763	139.00-139.40	0.40	20	1.2	71	18	612	42	2
		fracturing 5°										

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
		Frs=10/m										
139.40	148.00	MASSIVE MUDSTONE	20764	139.40-140.40	1.00	14	1.3	65	17	611	34	2
		Aphanitic, black, laminated	20765	140.40-141.40	1.00	87	1.6	70	22	702	62	2
		fracturing 40°:bedding 50°	20766	141.40-142.40	1.00	19	1.7	77	16	1086	46	2
		Frs=10/m	20767	142.40-143.40	1.00	22	1.7	75	18	1171	51	2
		Intense PY laminations	20768	143.40-144.40	1.00	13	1.1	62	18	280	32	2
		Trace CV macroveins	20769	144.40-145.40	1.00	12	1.3	72	18	701	35	2
		Abundant pyrite laminations up to 1.5 cm thick.	20770	145.40-146.40	1.00	124	1.2	65	15	510	37	2
148.00	158.80	HETEROLITHIC CONGLOMERATE	20771	146.40-147.40	1.00	12	1.8	96	18	2206	49	2
		Fine-coarse grained, gray, clastic, graded	20772	147.40-148.40	1.00	84	1.5	80	19	1317	44	2
		fracturing 5°	20773	148.40-149.40	1.00	43	1.9	80	22	1228	58	2
		Frs=1.5/m	20774	149.40-150.40	1.00	9	1.6	70	21	1004	38	2
		Pebble to coarse saned sized detritus of laminated	20775	150.40-151.40	1.00	9	1.2	67	21	465	43	2
		mudstone, massive pyrite and fow-banded to massive	20776	151.40-152.40	1.00	37	1.9	94	15	1780	67	2
		rhyolite clasts. The unit is displays normal	20777	152.40-153.40	1.00	8	1.4	23	13	189	39	2
		gredding.	20778	153.40-154.40	1.00	23	1.7	22	11	178	36	2
158.80	159.50	FAULT ZONE	20779	154.40-155.40	1.00	11	0.6	6	9	46	9	2
		Aphanitic, black, sheared, crushed	20780	155.40-156.40	1.00	7	0.8	11	14	70	34	2
		shear 1°:shear 35°	20781	156.40-157.40	1.00	14	1.2	13	16	80	51	2
		Frs=15/m	20782	157.40-158.40	1.00	21	1.3	13	18	87	60	2
		Intense CV macroveins	20783	158.40-158.80	0.40	19	1.2	17	16	91	68	2
		Graphitic fault zone.	20784	158.80-159.50	0.70	30	1.4	27	19	117	51	2
159.50	166.60	RHYOLITE INTRUSIVE BRECCIA	20785	159.50-160.50	1.00	9	0.7	8	18	60	33	2
		Fine-coarse grained, whiteish-black, fractured, flowbanded	20786	160.50-161.50	1.00	100	0.4	3	16	19	24	2
		cleavage, foliation 50°	20787	161.50-162.50	1.00	62	0.3	5	20	29	31	2
		Frs=1/m :Vns =.3/m	20788	162.50-163.50	1.00	8	0.3	6	17	37	19	2
		Strong PY disseminated	20789	163.50-164.50	1.00	5	0.4	4	12	28	15	2
		Trace CV vein	20790	164.50-165.50	1.00	21	0.4	2	9	17	14	2
		Rhyolite clasts are angular, flow banded to massive	20791	165.50-166.60	1.10	23	0.4	3	12	19	18	2
		and pyritic within a grey siliceous matrix. Fragments										
		of black mudstone are observed in the rhyolite breccia										
		near the base of the unit.										
166.60	167.60	MASSIVE MUDSTONE	20792	166.60-167.60	1.00	13	1.2	28	9	137	28	2
		Aphanitic, black, massive, graphitic										
		Trace PY disseminated										
		Weak CV macroveins										
167.60	178.40	ANDESITE LAPILLI TUFF	20793	167.60-168.60	1.00	26	2.1	53	11	406	76	2
		Pale gray, veined, massive	20794	168.60-169.60	1.00	9	1.9	38	8	313	53	2
		cleavage, foliation 25°	20795	169.60-170.80	1.20	9	2.0	72	13	1921	67	2
		Frs=2.5/m :Vns =1/m	20796	170.80-171.80	1.00	15	1.0	14	8	104	21	2
		Moderate CB pervasive	20797	171.80-172.50	0.70	16	1.5	29	9	130	24	2

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
		Moderate MS massive	20798	172.50-172.80	0.30	8	1.3	15	5	57	10	2
		Trace PY clasts	20799	172.80-173.80	1.00	6	1.1	28	10	103	18	2
		Trace CV macroveins	20800	173.80-174.80	1.00	5	1.0	22	8	85	18	2
		Strongly carbonate+sericite altered andesitic	20801	174.80-175.80	1.00	13	1.0	24	8	85	20	2
		fragments in a sedimentary matrix.	20802	175.80-176.80	1.00	3	0.9	26	5	75	20	2
<168.60-170.50>		FAULT ZONE										
		Aphanitic, black, sheared, crushed										
		shear 40°										
		Frs=11/m										
		Weak CB matrix										
		Trace PY disseminated										
		Weak CV macroveins										
		Graphitic with abundant slickensides, and carbonate										
		healed.										
178.40	189.20	INTERBEDED SILTSTONE/WACKE	20803	176.80-177.80	1.00	7	1.0	20	5	67	8	2
		Blackish-gray, bedded	20804	177.80-178.40	0.60	14	1.1	20	4	71	13	2
		bedding 70°:cleavage, foliation 25°	20805	178.40-179.40	1.00	8	0.9	29	7	99	16	2
		Frs=3.5/m :Vns =.5/m	20806	179.40-180.40	1.00	10	1.6	43	10	118	28	2
		Trace PY laminations	20807	180.40-181.40	1.00	8	1.7	39	9	106	28	2
		Trace CV macroveins	20808	181.40-182.40	1.00	7	1.3	38	8	105	19	2
		Bedded sequence of wacke and silstone with rare pyrite	20809	182.40-183.40	1.00	6	1.2	35	9	95	18	2
		laminations. Bedding is locally contorted.	20810	183.40-184.40	1.00	5	1.8	40	9	148	22	2
189.20	195.80	MASSIVE GABBRO	20811	184.40-185.40	1.00	6	1.0	41	10	131	26	2
		Fine-coarse grained, grayish-green, Brecciated	20812	185.40-186.40	1.00	15	1.1	30	13	114	24	2
		cleavage, foliation 25°:cleavage, foliation 35°	20813	186.40-187.40	1.00	10	1.6	40	10	160	27	2
		Frs=1.5/m :Vns =.5/m	20814	187.40-188.40	1.00	38	1.8	46	7	1172	33	2
		Weak CB disseminated	20815	188.40-189.20	0.80	11	1.9	48	8	183	27	2
		Weak MS disseminated										
		Trace PY clasts										
		Trace CV vein										
		The upper contact is brecciated with a silt matrix.										
195.80	207.40	HETEROLITHIC CONGLOMERATE										
		Fine-coarse grained, grayish-black, massive, fractured										
		cleavage, foliation 23°:cleavage, foliation 35°										
		Frs=1.5/m :Vns =.5/m										
		Trace CB clasts										
		Trace MS clasts										
		Weak CV vein										
		Conglomerate consists of siltstone and andesitic										
		fragments in a silstone matrix. Andesite fragments										
		are variably sericite+carbonate altered.										
207.40	237.10	GABBRO INTRUSION BRECCIA										

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
		Fine-coarse grained, grayish-green, massive, Brecciated cleavage, foliation 40° Frs=1.5/m :Vns =1/m Weak CB pervasive Weak MS pervasive Trace PY disseminated Weak CV vein Intreval is dominated by gabbro intrusion breccia into sedimentary sequence. More massive gabbro is observed from 214.1-215.9 and 220-229.3.										
(eoh)												

01/26/96

From	TO	Measured Width	Recovery	RQD	Hardness
0.00	7.60	7.60	19	14	4
7.60	8.50	0.90	44	0	3
8.50	11.00	2.50	5	0	3
11.00	12.20	1.20	100	100	3
12.20	14.60	2.40	94	70	3
14.60	16.50	1.90	100	53	3
16.50	17.70	1.20	100	86	3
17.70	20.70	3.00	100	76	4
20.70	23.80	3.10	100	100	5
23.80	26.80	3.00	100	100	5
26.80	29.90	3.10	100	98	5
29.90	32.90	3.00	100	99	5
32.90	36.00	3.10	100	97	5
36.00	39.00	3.00	100	59	4
39.00	42.10	3.10	100	89	5
42.10	45.10	3.00	100	94	5
45.10	48.20	3.10	100	89	5
48.20	51.20	3.00	100	98	5
51.20	54.30	3.10	100	91	5
54.30	57.30	3.00	100	95	4
57.30	60.40	3.10	100	90	5
60.40	63.30	2.90	100	93	4
63.30	66.40	3.10	100	92	5
66.40	69.50	3.10	100	99	5
69.50	72.50	3.00	100	86	4
72.50	75.60	3.10	97	76	4
75.60	78.60	3.00	100	100	5
78.60	81.70	3.10	100	96	
81.70	84.70	3.00	100	87	4
84.70	87.80	3.10	100	91	5
87.80	90.50	2.70	95	93	5
90.50	93.00	2.50	100	92	5
93.00	93.90	0.90	100	100	4
93.90	96.90	3.00	100	99	5
96.90	100.00	3.10	99	95	5
100.00	103.00	3.00	100	91	5
103.00	106.10	3.10	98	94	5
106.10	109.10	3.00	100	99	5
109.10	112.20	3.10	96	92	5
112.20	115.20	3.00	100	96	5
115.20	118.30	3.10	95	75	4
118.30	120.40	2.10	100	100	5
120.40	121.30	0.90	97	82	4
121.30	124.40	3.10	91	87	5
124.40	127.40	3.00	96	88	4
127.40	129.80	2.40	100	100	5
129.80	132.90	3.10	100	83	4
132.90	135.90	3.00	100	100	5
135.90	138.30	2.40	70	68	5
138.30	139.60	1.30	100	93	4
139.60	142.60	3.00	95	92	5
142.60	145.70	3.10	93	75	4
145.70	148.70	3.00	100	100	5
148.70	151.80	3.10	95	95	5
151.80	154.80	3.00	100	100	6
154.80	157.90	3.10	98	77	4
157.90	160.90	3.00	84	63	3
160.90	164.00	3.10	100	77	4
164.00	166.70	2.70	100	88	5
166.70	167.00	0.30	100	57	3
167.00	170.10	3.10	90	69	3
170.10	172.80	2.70	94	58	3
172.80	175.90	3.10	95	93	4
175.90	178.90	3.00	100	83	4
178.90	182.00	3.10	96	55	4
182.00	185.00	3.00	100	83	5
185.00	188.10	3.10	100	88	5
188.10	190.20	2.10	100	96	5
190.20	191.40	1.20	73	33	3

From	TO	Measured Width	Recovery	RQD	Hardness
191.40	194.50	3.10	97	96	5
194.50	197.50	3.00	90	64	3
197.50	198.40	0.90	87	53	3
198.40	200.60	2.20	100	98	5
200.60	203.60	3.00	100	97	5
203.60	206.70	3.10	99	91	5
206.70	209.70	3.00	100	90	5
209.70	212.80	3.10	97	97	5
212.80	215.80	3.00	100	98	5
215.80	218.80	3.00	99	80	4
218.80	221.90	3.10	97	92	5
221.90	224.90	3.00	97	87	5
224.90	228.00	3.10	100	75	5
228.00	231.00	3.00	100	98	5
231.00	234.20	3.20	92	65	4
234.20	237.10	2.90	92	42	3

HOMESTAKE MINING COMPANY — DRILL HOLE LOG — BZ95-2

PROJECT: BONSAI DRILL HOLE: BZ95-2 LENGTH: 270.10	Date Commenced: 11/8/95 Date Completed: 14/8/95 Core Diam: NQTK	Contractor: HY-TECH DRILLING	Logged by: CB Geotech by: BB

Collar Location

Latitude: 6276016.00
Departure: 405129.00
Elevation: 3720.00

S U M M A R Y

0.00-0.40	CASING
0.40-42.20	MASSIVE GABBRO
42.20-91.00	HETEROLITHIC CONGLOMERATE
91.00-94.00	WACKE
94.00-97.00	MASSIVE GABBRO
97.00-99.80	MASSIVE MUDSTONE
99.80-124.60	MASSIVE GABBRO
124.60-132.00	MASSIVE MUDSTONE
132.00-136.50	GABBRO INTRUSION BRECCIA
136.50-152.60	MASSIVE MUDSTONE
152.60-168.60	LAMINATED MUDSTONE
168.60-176.80	MASSIVE MUDSTONE
176.80-208.90	RHYOLITE INTRUSIVE BRECCIA *
208.90-230.80	RHYOLITE
230.80-233.10	HETEROLITHIC CONGLOMERATE
233.10-241.50	MASSIVE MUDSTONE
241.50-252.40	WACKE
252.40-261.30	MASSIVE MUDSTONE
261.30-262.40	FAULT ZONE
262.40-270.70	MASSIVE MUDSTONE

DOWN HOLE SURVEYS

Depth	Azim	Inclin	Method
0.00	275.00	-75.00	BRUNTON
30.50	276.00	-74.00	SPERRY SUN
271.30	283.00	-73.00	SPERRY SUN

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
0.00	0.40	CASING										
0.40	42.20	MASSIVE GABBRO Green, massive, chilled margin fracturing 15°:fracturing 30° Frs=3/m Lower contact is brecciated.										
<34.20-42.20>		GABBRO INTRUSION BRECCIA Fine-coarse grained, grayish-black, Brecciated fracturing 1°:fracturing 30° Frs=3.5/m Trace PY clasts Breccia has a siltstone matrix.										
42.20	91.00	HETEROLITHIC CONGLOMERATE Fine-coarse grained, gray, fragmental Trace PY clasts Fragments of siltstone and bedded wacke with lesser andesitic clasts in silstone matrix. Where bedding is preserved it is commonly distorted and chaotic. Core is moderately fractured between 42.3-43 (possible fault).										
91.00	94.00	WACKE Dark gray, massive contact 90°:cleavage, foliation 30° Frs=3/m :Vns =1/m Trace PY disseminated Trace CV macroveins Feldspar-rich, volcanic derived.										
94.00	97.00	MASSIVE GABBRO Green, chilled margin contact 90°:fracturing 40° Frs=3/m Trace PY disseminated Trace PR macroveins Trace CV macroveins										
97.00	99.80	MASSIVE MUDSTONE Dark black, massive, clastic bedding 60° Frs=2/m Trace PY disseminated Mudstone has fragments of calcite veined mudstone.										

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
99.80	124.60	MASSIVE GABBRO										
		Green, chilled margin, mottled										
		contact 25°:contact 90°										
		Weak CB patches										
		Weak MS patches										
		Trace PY patches										
		Trace CV macroveins										
		Intrusion is locally altered to carbonate+sericite which produces a mottled appearance to the core. The intensity of alteration increases below 118 metres.										
124.60	132.00	MASSIVE MUDSTONE										
		Dark black, massive										
		fracturing 25°										
		Frs=6.5/m										
		Trace PY disseminated										
		Trace CV macroveins										
<128.40-129.00>		GABBRO INTRUSION BRECCIA										
		Fine-coarse grained, green, fractured, chilled margin										
		contact 30°:fracturing 5°										
		Trace PY clasts										
		Cuspated gabbro fragments in silstone matrix.										
<132.00-136.50>		Fine-coarse grained, green, fractured										
		fracturing 35°:fracturing 20°										
		Trace CB clasts										
		Trace MS clasts										
		Trace PY clasts										
136.50	152.60	MASSIVE MUDSTONE	20817	136.50-137.50	1.00	12	1.2	60	16	657	60	2
		Aphanitic, dark black, veined, massive	20818	137.50-138.50	1.00	6	1.1	53	12	407	35	2
		cleavage, foliation 50°:fracturing 25°	20819	138.50-139.50	1.00	20	1.1	79	15	1061	22	2
		Frs=1/m :Vns =.5/m	20820	139.50-140.50	1.00	8	1.0	62	11	320	19	2
		Trace PY vein	20821	140.50-141.50	1.00	12	1.0	62	12	500	18	2
		Trace CV vein	20822	141.50-142.50	1.00	9	1.0	60	11	354	21	2
		Interval contains calcite healed fractures. Bedding	20823	142.50-143.50	1.00	8	0.9	51	10	233	29	2
		is more visible at the end of the interval.	20824	143.50-144.50	1.00	62	0.9	60	13	248	20	2
152.60	168.60	LAMINATED MUDSTONE	20825	144.50-145.50	1.00	9	0.8	61	14	205	18	2
		Aphanitic, dark black, laminated	20826	145.50-146.50	1.00	12	1.0	63	15	309	21	2
		bedding 70°:bedding 85°	20827	146.50-147.50	1.00	9	1.0	60	14	260	18	2
		Frs=2.5/m	20828	147.50-148.50	1.00	12	1.0	64	13	323	19	2
		Trace PY laminations	20829	148.50-149.50	1.00	7	0.9	58	12	308	16	2
		Trace PR macroveins	20830	149.50-150.50	1.00	7	1.0	56	10	425	14	2
		Local pyritic laminations.	20831	150.50-151.50	1.00	5	1.0	59	13	289	14	2

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
168.60	176.80	MASSIVE MUDSTONE	20832	151.50-152.60	1.10	6	1.1	65	12	425	30	2
		Aphanitic, dark black, massive, fractured	20833	152.60-153.60	1.00	5	1.0	56	15	422	32	2
		contact 60°:fracturing 35°	20834	153.60-154.60	1.00	4	1.0	49	10	585	27	2
		Frs=9/m	20835	154.60-155.60	1.00	4	1.5	61	14	876	34	2
		Trace PY laminations	20836	155.60-156.60	1.00	6	1.5	72	13	1447	29	2
		Interval is moderately fractured and hosts calcite	20837	156.60-157.60	1.00	23	1.9	88	20	1881	40	2
		veined mudstone fragments. Pyrite laminations are	20838	157.60-158.60	1.00	6	1.0	59	14	577	23	2
		locally present. Lower contact with rhyolite is	20839	158.60-159.60	1.00	8	1.7	94	17	2117	52	2
		sharp.	20840	159.60-160.60	1.00	14	3.1	116	14	2762	41	2
176.80	185.80	RHYOLITE INTRUSIVE BRECCIA	20841	160.60-161.60	1.00	30	1.9	84	11	1753	53	2
		Fine-coarse grained, gray, auto-brecciated, flowbanded	20842	161.60-162.60	1.00	43	1.7	61	11	1184	37	2
		contact 60°:fracturing 15°	20843	162.60-163.60	1.00	10	2.0	104	10	3358	49	2
		Frs=2/m :Vns =2/m	20844	163.60-164.60	1.00	19	2.2	56	12	930	40	2
		Trace MS matrix	20845	164.60-165.60	1.00	20	1.8	74	10	2737	24	2
		Weak PY pervasive	20846	165.60-166.60	1.00	4	3.4	90	11	2124	39	2
		Trace QV macroveins	20847	166.60-167.60	1.00	7	2.2	72	15	1585	52	2
		Weak CV macroveins	20848	167.60-168.60	1.00	6	4.0	82	9	711	38	2
		Rhyolite clasts are angular with flow banding and	20849	168.60-169.60	1.00	8	3.7	99	9	1404	40	2
		spherulites preserved in larger fragments. The matrix	20850	169.60-170.60	1.00	54	3.1	81	10	235	22	2
		consists of cuspated shards, varibly sericitized	20851	170.60-171.60	1.00	8	3.4	88	9	214	20	3
		silica and finely disseminated pyrite.	20852	171.60-172.60	1.00	3	1.6	40	10	173	19	2
		<185.50-185.80> 1 % sphalerite - disseminated	20853	172.60-173.60	1.00	3	1.0	29	12	145	26	2
208.90	230.80	RHYOLITE	20854	173.60-174.60	1.00	19	1.0	26	9	166	23	2
		Gray, flowbanded, massive	20855	174.60-175.60	1.00	4	1.3	35	22	147	36	2
		:fracturing 15°	20856	175.60-176.80	1.20	3	1.1	28	28	213	28	2
		Frs=1/m :Vns =2/m	20857	176.80-177.80	1.00	1	0.4	4	19	41	28	2
		Weak PY pervasive	20858	177.80-178.80	1.00	1	0.3	4	19	45	35	2
		Weak CV macroveins	20859	178.80-179.80	1.00	1	0.3	5	13	24	14	2
230.80	233.10	HETEROLITHIC CONGLOMERATE	20860	179.80-180.80	1.00	2	0.2	4	13	28	11	2
		Fine-coarse grained, grayish-green, fragmental, massive	20861	180.80-181.80	1.00	1	0.2	3	13	24	18	2
		Trace PY clasts	20862	181.80-182.80	1.00	1	0.3	3	15	46	33	2
		Mudstone and andesitic fragments in siltstone matrix.	20863	182.80-183.80	1.00	1	0.3	3	8	34	20	2
233.10	241.50	MASSIVE MUDSTONE	20864	183.80-184.80	1.00	2	0.4	4	16	33	34	2
		Aphanitic, blackish-gray, bedded, graphitic	20865	184.80-185.80	1.00	3	0.3	5	14	59	28	2
		bedding 65°:qz-carb veining 60°	20866	185.80-186.80	1.00	1	0.4	4	11	82	23	2
		Frs=1/m	20867	186.80-187.80	1.00	1	0.3	4	14	58	45	2
		Trace PY clasts	20868	187.80-188.80	1.00	1	0.4	5	15	36	60	2
		Weak QC vein	20869	188.80-189.80	1.00	1	0.2	4	8	41	43	2
241.50	252.40	WACKE	20870	189.80-190.80	1.00	1	0.2	4	9	180	37	2
		Fine-coarse grained, gray, graded, gritty	20871	190.80-191.80	1.00	1	0.4	5	13	128	41	2

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
		bedding 60°:qz-carb veining 70°	20872	191.80-192.80	1.00	1	0.4	5	17	31	58	2
		Trace PY patches	20873	192.80-193.80	1.00	2	0.6	7	20	24	87	2
		Weak QC vein	20874	193.80-194.80	1.00	1	0.4	9	8	4	45	2
		Pebble conglomerate beds at 249.3-249.6 and	20875	194.80-195.80	1.00	1	0.3	7	7	4	17	2
		251.9-252.4.	20876	195.80-196.80	1.00	1	0.4	6	10	3	35	2
252.40	261.30	MASSIVE MUDSTONE	20877	196.80-197.80	1.00	1	0.4	9	13	4	18	2
		Aphanitic, blackish-green, contorted	20878	197.80-198.80	1.00	1	0.6	7	15	4	21	2
		bedding 75°:fracturing 50°	20879	198.80-199.80	1.00	2	0.4	10	5	5	18	2
		Trace QC vein	20880	199.80-200.80	1.00	2	0.5	10	5	5	25	2
261.30	262.40	FAULT ZONE	20881	200.80-201.80	1.00	1	0.5	13	12	5	13	2
		Fine-coarse grained, grayish-black, graphitic, broken	20882	201.80-202.80	1.00	1	1.1	19	15	6	51	2
		fault/gouge 45°	20883	202.80-203.80	1.00	1	0.4	15	107	5	54	2
		Weak PY patches	20884	203.80-204.80	1.00	8	0.2	9	87	5	30	2
		Fault zone hosted within black siltstone.	20885	204.80-205.80	1.00	1	0.3	17	51	4	67	2
262.40	270.70	MASSIVE MUDSTONE	20886	205.80-206.80	1.00	2	0.3	14	44	3	52	2
		Blackish-gray, massive	20887	206.80-207.80	1.00	1	0.3	15	57	3	81	2
		bedding 50°:fracturing 5°	20888	207.80-208.80	1.00	1	0.4	17	50	4	80	2
		Frs=1.5/m	20889	208.80-209.80	1.00	2	0.2	11	27	3	48	2
		Trace PY disseminated	20890	209.80-210.80	1.00	1	0.2	12	31	3	48	2
		Trace QC vein	20891	210.80-211.80	1.00	3	0.5	19	49	4	137	2
(eoh)			20892	211.80-212.80	1.00	1	0.4	15	38	3	106	2
			20893	212.80-213.80	1.00	1	0.4	8	22	4	39	2
			20894	213.80-214.80	1.00	6	0.4	14	27	3	47	2
			20895	214.80-215.80	1.00	1	0.7	16	36	4	62	2
			20896	215.80-216.80	1.00	1	0.4	17	43	5	38	2
			20897	216.80-217.80	1.00	1	0.3	23	52	7	26	2
			20898	217.80-218.80	1.00	22	0.2	26	163	6	11	2
			20899	218.80-219.80	1.00	1	0.2	24	133	5	13	2
			20900	219.80-220.80	1.00	3	0.2	24	52	5	13	2
			20901	220.80-221.80	1.00	6	0.2	20	58	5	15	2
			20902	221.80-222.80	1.00	1	0.1	24	91	5	14	2
			20903	222.80-223.80	1.00	1	0.1	27	95	5	13	2
			20904	223.80-224.80	1.00	1	0.2	21	83	4	15	2
			20905	224.80-225.80	1.00	3	0.1	18	256	5	19	2
			20906	225.80-226.80	1.00	1	0.1	18	153	5	17	2
			20907	226.80-227.80	1.00	2	0.2	19	124	4	28	2
			20908	227.80-228.80	1.00	10	0.5	28	125	4	49	2
			20909	228.80-229.80	1.00	1	0.4	12	60	8	6	2

From	TO	Measured Width	Recovery	RQD	Hardness
0.40	2.40	2.00	98	67	4
2.40	5.20	2.80	78	56	5
5.20	8.20	3.00	99	88	5
8.20	11.60	3.40	93	55	5
11.60	14.60	3.00	100	85	5
14.60	17.70	3.10	98	75	5
17.70	20.40	2.70	100	77	5
20.40	23.50	3.10	100	73	5
23.50	26.50	3.00	100	91	5
26.50	29.60	3.10	100	82	5
29.60	32.50	2.90	100	91	5
32.50	35.40	2.90	100	78	4
35.40	38.40	3.00	100	85	5
38.40	41.50	3.10	94	62	4
41.50	44.50	3.00	100	77	3
44.50	48.20	3.70	92	80	4
48.20	51.20	3.00	100	80	5
51.20	54.30	3.10	97	93	5
54.30	57.30	3.00	89	78	4
57.30	60.40	3.10	95	85	4
60.40	63.40	3.00	100	88	6
63.40	66.10	2.70	91	72	3
66.10	69.20	3.10	99	74	3
69.20	72.50	3.30	100	74	4
72.50	75.60	3.10	100	71	3
75.60	78.60	3.00	100	97	5
78.60	81.70	3.10	94	65	4
81.70	84.70	3.00	99	84	4
84.70	87.80	3.10	100	80	4
87.80	90.80	3.00	100	69	4
90.80	93.90	3.10	100	87	5
93.90	96.90	3.00	100	98	5
96.90	100.00	3.10	100	92	5
100.00	103.00	3.00	100	98	6
103.00	106.10	3.10	99	85	6
106.10	109.10	3.00	94	84	5
109.10	112.20	3.10	93	78	5
112.20	115.20	3.00	100	97	5
115.20	118.30	3.10	100	95	5
118.30	121.30	3.00	100	97	5
121.30	124.40	3.10	100	93	5
124.40	127.40	3.00	90	51	3
127.40	130.50	3.10	100	88	4
130.50	133.50	3.00	100	87	5
133.50	136.50	3.00	100	78	4
136.50	139.60	3.10	98	93	5
139.60	142.60	3.00	100	95	5
142.60	145.70	3.10	100	85	5
145.70	148.70	3.00	100	98	5
148.70	151.80	3.10	99	91	5
151.80	154.80	3.00	100	97	4
154.80	157.90	3.10	100	88	4
157.90	160.80	2.90	99	86	3
160.80	163.80	3.00	98	33	3
163.80	167.00	3.20	100	62	4
167.00	170.10	3.10	100	78	4
170.10	173.10	3.00	100	52	3
173.10	176.20	3.10	100	44	3
176.20	179.20	3.00	99	84	5
179.20	182.30	3.10	98	92	6
182.30	185.30	3.00	100	99	6
185.30	188.10	2.80	99	78	5
188.10	191.40	3.30	100	62	4
191.40	194.50	3.10	100	81	5
194.50	197.50	3.00	100	93	5
197.50	200.60	3.10	100	89	5
200.60	203.60	3.00	100	77	4
203.60	206.70	3.10	100	82	4
206.70	209.70	3.00	100	95	5

From	TO	Measured Width	Recovery	RQD	Hardness
209.70	212.80	3.10	100	85	5
212.80	215.80	3.00	100	91	5
215.80	218.80	3.00	100	95	6
218.80	221.90	3.10	95	80	6
221.90	224.90	3.00	100	86	6
224.90	228.00	3.10	100	83	6
228.00	231.00	3.00	100	78	6
231.00	234.10	3.10	100	97	5
234.10	237.10	3.00	100	78	4
237.10	240.20	3.10	100	78	4
240.20	243.20	3.00	100	99	5
243.20	246.30	3.10	100	56	3
246.30	249.30	3.00	95	19	3
249.30	252.40	3.10	96	60	4
252.40	255.40	3.00	100	83	4
255.40	258.50	3.10	100	64	4
258.50	261.50	3.00	100	65	3
261.50	264.50	3.00	100	74	3
264.50	267.60	3.10	100	52	4

HOMESTAKE MINING COMPANY **DRILL HOLE LOG** **BZ95-3**

PROJECT: BONSAI DRILL HOLE: BZ95-3 LENGTH: 237.70	Date Commenced: 15/8/95 Date Completed: 18/8/95 Core Diam: NQTK	Contractor: HY-TECH DRILLING	Logged by: CB Geotech by: BB

Collar Location

Latitude: 6276370.00
Departure: 405135.00
Elevation: 3470.00

S U M M A R Y

0.00-7.60	OVERBURDEN
7.60-11.60	MASSIVE GABBRO
11.60-52.50	WACKE
52.50-86.40	MASSIVE GABBRO
86.40-91.60	GABBRO INTRUSION BRECCIA
91.60-121.00	MASSIVE GABBRO
121.00-125.10	GABBRO INTRUSION BRECCIA
125.10-125.60	FAULT ZONE
125.60-141.50	MASSIVE MUDSTONE
141.50-212.80	HETEROLITHIC CONGLOMERATE
212.80-213.70	FAULT ZONE

DOWN HOLE SURVEYS

Depth	Azim	Inclin	Method
0.00	277.50	-80.00	BRUNTON
30.50	277.00	-79.00	SPERRY SUN
103.60	279.00	-79.00	SPERRY SUN
237.70	281.00	-79.00	SPERRY SUN

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
0.00	7.60	OVERBURDEN										
7.60	11.60	MASSIVE GABBRO Greenish-blue, fractured, oxidized contact 35°:fracturing 5° Frs=3/m										
11.60	52.50	WACKE Aphanitic, grayish-black, Brecciated contact 30°:fracturing 30° Frs=3/m Trace PY laminations Intraformational clasts of siltstsone and wacke within massive wacke.										
52.50	86.40	MASSIVE GABBRO Grayish-green, massive, chilled margin contact 15° Frs=1/m Trace CL replaced phenocryst Weak CB pervasive Trace MS pervasive Trace PY patches Lower contact is irregular and marked by intrusive breccia with siltstone matrix.										
86.40	91.60	GABBRO INTRUSION BRECCIA Dark green, Brecciated, mottled contact 40° Trace CL replaced phenocryst Trace CB clasts Trace MS clasts Trace PY patches Trace CV microveins Angular, cuspate gabbro fragments in siltstone matrix.										
91.60	121.00	MASSIVE GABBRO Grayish-green, massive, mottled contact 75° Trace CL replaced phenocryst Weak CB pervasive Weak MS pervasive Trace PY patches Trace CV microveins										
121.00	125.10	GABBRO INTRUSION BRECCIA										

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
		Fine-coarse grained, grayish-black, fragmental										
		Trace CL replaced phenocryst										
		Weak CB pervasive										
		Weak MS pervasive										
		Trace PY disseminated										
		Angular fragments of gabbro within disrupted and										
		brecciated siltstone and wacke.										
125.10	125.60	FAULT ZONE	20910	124.60-125.60	1.00	7	0.4	18	674	57	217	2
		Greenish-black, veined										
125.60	141.50	MASSIVE MUDSTONE	20911	125.60-126.60	1.00	25	1.0	15	863	70	215	2
		Aphanitic, black, laminated	20912	126.60-127.60	1.00	1	1.0	14	1679	75	68	2
		bedding 80°:bedding 40°	20913	127.60-128.60	1.00	11	0.9	19	1286	81	77	2
		Trace PY disseminated	20914	128.60-129.60	1.00	12	0.8	17	719	63	43	2
		Interval contains rare pyrite laminae and <2 mm sized	20915	129.60-130.60	1.00	10	0.5	12	679	57	52	2
		fine grained massive pyrite clasts.	20916	130.60-131.60	1.00	1	0.1	7	274	35	31	2
141.50	212.80	HETEROLITHIC CONGLOMERATE	20917	131.60-132.60	1.00	12	0.3	9	320	40	41	2
		Fine-coarse grained, grayish-green, mottled, massive	20918	132.60-133.60	1.00	1	0.5	11	437	48	35	2
		Trace CL clasts	20919	133.60-134.60	1.00	5	0.3	16	494	65	49	2
		Trace CB clasts	20920	134.60-135.60	1.00	3	0.2	18	206	58	34	2
		Trace MS clasts	20921	135.60-136.60	1.00	3	0.8	15	825	74	51	2
		Trace PY patches	20922	136.60-137.60	1.00	2	1.1	15	1716	84	35	2
		andesitic conglomerate with silt and volcaniclastic	20923	137.60-138.60	1.00	6	0.1	8	252	32	33	2
		matrix, clasts are variably altered to	20924	138.60-139.60	1.00	1	0.5	12	250	31	24	2
		sericite+carbonate.	20925	139.60-140.60	1.00	7	0.9	12	223	31	41	2
212.80	213.70	FAULT ZONE	20926	140.60-141.60	1.00	5	1.4	11	278	48	43	2
		Grayish-tan, Brecciated										
		fault/gouge 40°										
		Trace PY disseminated										
(eoh)												

From	TO	Measured Width	Recovery	RQD	Hardness
7.60	8.50	0.90	86	39	2
8.50	11:60	3.10	64	43	2
11.60	12.50	0.90	100	0	1
12.50	14.60	2.10	85	25	2
14.60	17.70	3.10	100	89	3
17.70	20.70	3.00	100	78	3
20.70	23.80	3.10	100	72	3
23.80	26.80	3.00	100	79	4
26.80	29.90	3.10	100	88	4
29.90	32.90	3.00	100	97	4
32.90	36.00	3.10	100	69	3
36.00	39.00	3.00	100	95	4
39.00	42.10	3.10	100	75	3
42.10	45.10	3.00	100	87	3
45.10	48.20	3.10	100	55	3
48.20	51.20	3.00	100	69	3
51.20	54.30	3.10	100	76	4
54.30	57.30	3.00	100	84	5
57.30	60.40	3.10	100	71	5
60.40	63.40	3.00	100	81	5
63.40	66.40	3.00	100	97	6
66.40	69.50	3.10	100	100	6
69.50	72.50	3.00	100	97	6
72.50	75.50	3.00	100	88	6
75.50	78.60	3.10	100	97	6
78.60	81.70	3.10	100	100	6
81.70	84.70	3.00	100	97	5
84.70	87.80	3.10	100	81	4
87.80	90.80	3.00	100	85	4
90.80	93.90	3.10	100	100	5
93.90	96.90	3.00	100	100	6
96.90	100.00	3.10	100	37	4
100.00	103.00	3.00	100	78	5
103.00	106.10	3.10	100	87	5
106.10	109.10	3.00	100	100	6
109.10	112.20	3.10	100	97	5
112.20	115.20	3.00	100	98	5
115.20	118.30	3.10	100	95	6
118.30	121.30	3.00	100	95	4
121.30	123.70	2.40	47	32	4
123.70	127.40	3.70	87	77	4
127.40	130.50	3.10	100	91	3
130.50	133.50	3.00	100	91	4
133.50	136.60	3.10	98	83	3
136.60	138.70	2.10	86	64	3
138.70	139.60	0.90	17	0	2
139.60	142.60	3.00	100	99	5
142.60	145.70	3.10	100	89	5
145.70	148.70	3.00	100	99	5
148.70	151.80	3.10	100	100	5
151.80	154.80	3.00	100	100	5
154.80	157.80	3.00	100	97	5
157.80	160.90	3.10	100	95	5
160.90	163.70	2.80	100	81	5
163.70	164.60	0.90	82	66	5
164.60	167.00	2.40	99	92	5
167.00	170.10	3.10	100	92	5
170.10	173.10	3.00	100	96	5
173.10	176.20	3.10	100	96	5
176.20	179.20	3.00	100	89	5
179.20	182.30	3.10	100	100	6
182.30	185.30	3.00	100	87	5
185.30	188.40	3.10	100	100	6
188.40	191.40	3.00	100	100	6
191.40	194.50	3.10	100	91	5
194.50	197.50	3.00	100	89	5
197.50	200.60	3.10	100	97	5
200.60	203.60	3.00	100	100	6
203.60	206.70	3.10	100	100	6

From	TO	Measured Width	Recovery	RQD	Hardness
206.70	209.70	3.00	100	98	6
209.70	212.80	3.10	97	96	5
212.80	215.80	3.00	100	74	4
215.80	218.80	3.00	100	87	5
218.80	221.90	3.10	100	93	5
221.90	224.90	3.00	100	90	5
224.90	228.00	3.10	100	83	4
228.00	231.00	3.00	100	98	5
231.00	234.10	3.10	100	80	5
234.10	237.10	3.00	100	90	5
237.10	237.70	0.60	83	0	4

HOMESTAKE MINING COMPANY — DRILL HOLE LOG — BZ95-4

PROJECT: BONSAI DRILL HOLE: BZ95-4 LENGTH: 89.00	Date Commenced: 19/8/95 Date Completed: 22/8/95 Core Diam: NQTK	Contractor: HY-TECH DRILLING	Logged by: KMP Geotech by: JT

Collar Location

Latitude: 6276173.00
Departure: 405108.00
Elevation: 3362.00

SUMMARY

0.00-7.50	OVERBURDEN
7.50-7.70	MASSIVE MUDSTONE
7.70-8.05	GABBRO INTRUSION BRECCIA
8.05-27.00	MASSIVE GABBRO
27.00-27.80	GABBRO INTRUSION BRECCIA
27.80-31.30	ANDESITE LAPILLI TUFF
31.30-65.30	MASSIVE GABBRO
65.30-66.20	HETEROLITHIC CONGLOMERATE
66.20-70.50	MASSIVE MUDSTONE
70.50-71.00	GABBRO INTRUSION BRECCIA
71.00-77.00	MASSIVE MUDSTONE
77.00-81.80	RHYOLITE INTRUSIVE BRECCIA
81.80-82.00	FAULT ZONE
82.00-83.00	MASSIVE MUDSTONE
83.00-83.45	RHYOLITE INTRUSIVE BRECCIA
83.45-89.00	MASSIVE MUDSTONE

DOWN HOLE SURVEYS

Depth	Azim	Inclin	Method
0.00	275.00	-80.00	BRUNTON

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
0.00	7.50	OVERBURDEN										
7.50	7.70	MASSIVE MUDSTONE Aphanitic, black, foliated shear 30° :Vns =10/m 1-5 mm carbonate veins parallel to foliation.										
7.70	8.05	GABBRO INTRUSION BRECCIA Fine-coarse grained, grayish-green, Brecciated, veined Weak CB pervasive Weak MS pervasive Ameboid clasts of gabbro within siltstone matrix.										
8.05	27.00	MASSIVE GABBRO Green, auto-brecciated, chilled margin carbonate veining 30°:carbonate veining 80° :Vns =2/m Trace CL pervasive Trace CB pervasive Trace MS pervasive Trace PY disseminated From 8.05-15.2 m gabbro is weakly autobrecciated with a siltstone matrix.										
27.00	27.80	GABBRO INTRUSION BRECCIA Fine-coarse grained, grayish-green, chilled margin carbonate veining 45° :Vns =1/m Ameboid to anngular clats of gabbro in siltstone.										
27.80	31.30	ANDESITE LAPILLI TUFF Fine-coarse grained, grayish-green, vesicular carbonate veining :Vns =2/m Trace CB pervasive Tuff consists of subrounded clasts of vesicular andesite and rare siltstone clasts in a matrix of volcanic ash.										
31.30	65.30	MASSIVE GABBRO Pale green, veined, auto-brecciated carbonate veining 20°:carbonate veining 80° Frs=1/m :Vns =5/m Trace CL replaced phenocryst Moderate CB pervasive	36957	64.00-65.00	1.00	1	0.1	5	102	54	43	2

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
		Weak MS pervasive Trace PY disseminated Interval hosts abundant carbonate veins and is variably altered to carbonate and sericite. Gabbro is locally autobrecciated.										
		<49.20-58.70> GABBRO INTRUSION BRECCIA Fine-coarse grained, grayish-green, chilled margin Ameboid clasts of gabbro in siltstone matrix.										
65.30	66.20	HETEROLITHIC CONGLOMERATE Dark gray, massive bedding 45° Pebble sized clasts of rhyolite, andesite and siltstone in silt matrix.	36958	65.00-66.00	1.00	1	0.1	9	149	55	34	2
66.20	70.50	MASSIVE MUDSTONE	36959	66.00-67.00	1.00	82	0.1	13	224	34	29	2
		Aphanitic, black	36960	67.00-68.00	1.00	1	0.2	16	545	49	32	2
		:Vns =1/m	36961	68.00-69.00	1.00	1	0.9	14	292	40	41	2
		Gouge zone from 69-69.5 metres.	36962	69.00-70.00	1.00	1	13.5	12	399	171	83	2
70.50	71.00	GABBRO INTRUSION BRECCIA Fine-coarse grained, grayish-green Strong CB patches Weak MS patches Disaggregated dyklets of gabbro.	36963	70.00-71.00	1.00	1	0.3	15	125	22	29	2
71.00	77.00	MASSIVE MUDSTONE	36964	71.00-72.00	1.00	1	0.2	11	91	13	21	2
		Aphanitic, black, veined	36965	72.00-73.00	1.00	1	0.3	12	147	16	19	2
		carbonate veining 45°	36966	73.00-74.00	1.00	1	0.1	17	520	38	29	2
		:Vns =2/m	36967	74.00-75.00	1.00	1	0.1	19	112	31	27	2
		Rhyolite pebble conglomerate bed from 74.1 to 74.8	36968	75.00-76.00	1.00	1	0.1	12	197	32	26	2
		metres.	36969	76.00-77.00	1.00	2	0.2	20	571	42	43	2
77.00	81.80	RHYOLITE INTRUSIVE BRECCIA	36970	77.00-78.00	1.00	1	0.1	4	63	21	21	2
		Fine-coarse grained, gray, flowbanded	36971	78.00-79.00	1.00	1	0.1	6	66	22	22	2
		Weak PY disseminated	36972	79.00-80.00	1.00	1	0.1	4	62	26	20	2
		Clasts are angular and locally flow banded, matrix consists of grey, pyritic silica.	36973	80.00-81.00	1.00	1	0.1	7	66	25	30	2
81.80	82.00	FAULT ZONE Black, Brecciated, graphitic shear Gouge zone.	36974	81.00-82.00	1.00	1	0.1	5	88	55	31	2
82.00	83.00	MASSIVE MUDSTONE Aphanitic, black, veined	36975	82.00-83.00	1.00	1	0.1	18	128	20	21	2

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
		Massive siltstone with abundant carbonate veins.										
83.00	83.45	RHYOLITE INTRUSIVE BRECCIA Fine-coarse grained, gray, flowbanded Weak PY disseminated Angular clasts of aphanitic and flow banded rhyolite in silicous matrix.										
83.45	89.00	MASSIVE MUDSTONE	36976	83.00-84.00	1.00	1	0.1	11	85	19	23	2
		Aphanitic, black, veined	36977	84.00-85.00	1.00	1	0.1	5	89	29	23	2
		carbonate veining	36978	85.00-86.00	1.00	1	0.1	3	81	22	26	2
(eoh)			36979	86.00-87.00	1.00	1	0.1	4	93	38	30	2
			36980	87.00-88.00	1.00	1	0.1	7	110	52	34	2

01/09/96

Hole: BZ95-4 GEOTECHNICAL DATA

From	TO	Measured Width	Recovery	RQD	Hardness
6.10	8.50	2.40	56	21	3
8.50	11.60	3.10	100	77	4
11.60	14.60	3.00	100	65	4
14.60	17.70	3.10	100	93	5
17.70	20.70	3.00	100	94	5
20.70	23.80	3.10	100	93	5
23.80	26.80	3.00	100	73	4
26.80	29.90	3.10	100	63	4
29.90	32.90	3.00	100	100	5
32.90	36.00	3.10	97	93	5
36.00	39.00	3.00	100	90	4
39.00	42.10	3.10	100	89	5
42.10	45.10	3.00	100	97	5
45.10	48.20	3.10	100	94	5
48.20	50.60	2.40	100	94	5
50.60	53.60	3.00	100	75	4
53.60	54.90	1.30	81	41	4
54.90	57.00	2.10	78	6	3
57.00	60.00	3.00	76	30	3
60.00	63.40	3.40	92	46	4

HOMESTAKE MINING COMPANY **DRILL HOLE LOG** **BZ95-5**

PROJECT: BONSAI DRILL HOLE: BZ95-5 LENGTH: 346.90	Date Commenced: 23/8/95 Date Completed: 28/3/95 Core Diam: NQTK	Contractor: HY-TECH DRILLING	Logged by: AWK Geotech by: JT

Collar Location
Latitude: 6275791.00 Departure: 405160.00 Elevation: 3720.00

S U M M A R Y

0.00-6.10	OVERBURDEN
6.10-26.30	MASSIVE GABBRO
26.30-28.50	MASSIVE MUDSTONE
28.50-30.10	MASSIVE GABBRO
30.10-34.10	MASSIVE MUDSTONE
34.10-38.10	MASSIVE MUDSTONE
38.10-38.50	FAULT ZONE
38.50-52.40	MASSIVE MUDSTONE
52.40-53.90	FAULT ZONE
53.90-62.30	INTERBEDDED SILTSTONE/WACKE
62.30-64.50	FAULT ZONE
64.50-80.20	INTERBEDDED SILTSTONE/WACKE
80.20-84.05	ANDESITE LAPILLI TUFF
84.05-89.30	INTERBEDDED SILTSTONE/WACKE
89.30-93.15	ANDESITE LAPILLI TUFF
93.15-95.10	MASSIVE GABBRO
95.10-95.85	ANDESITE LAPILLI TUFF
95.85-135.40	MASSIVE GABBRO
135.40-141.10	MASSIVE MUDSTONE
141.10-143.10	MASSIVE GABBRO
143.10-153.20	MASSIVE MUDSTONE
153.20-164.00	GABBRO INTRUSION BRECCIA
164.00-179.70	MASSIVE MUDSTONE
179.70-180.40	FAULT ZONE
180.40-187.70	RHYOLITE INTRUSIVE BRECCIA
187.70-190.60	HETEROLITHIC CONGLOMERATE
190.60-207.50	MASSIVE MUDSTONE
207.50-218.70	INTERBEDED SILTSTONE/WACKE
218.70-315.00	MASSIVE MUDSTONE
315.00-317.35	WACKE
317.35-346.90	ANDESITIC BRECCIA

DOWN HOLE SURVEYS

Depth	Azim	Inclin	Method
0.00	277.00	-67.00	BRUNTON
30.50	279.00	-68.00	SPERRY SUN
186.00	281.00	-68.00	SPERRY SUN
341.00	285.00	-67.00	SPERRY SUN

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
0.00	6.10	OVERBURDEN										
6.10	26.30	MASSIVE GABBRO Tan, auto-brecciated, laminated contact 70°:carbonate veining 35° Frs=2.5/m :Vns =2/m Moderate CB pervasive Weak MS pervasive Trace PY disseminated Trace CV macroveins Interval consists of varibly autobrecciated gabbro with siltstone matrix.										
26.30	28.50	MASSIVE MUDSTONE Dark gray, bedded, contorted contact 50°:bedding 50° Frs=3.5/m Trace PY disseminated Interval consists of massive black siltstone with disrupted beds of feldspar-rich wacke. Ripups of black silstone are present and characterized by abundant carbonate microveinlets. The lower contact with gabbro is irregular and characterized by isolated ameboid clast of gabbro in siltstone.										
28.50	30.10	MASSIVE GABBRO Fine-coarse grained, grayish-green, auto-brecciated, chilled margin fracturing 25°:carbonate veining 40° Frs=2/m :Vns =8/m Weak CB pervasive Trace MS pervasive Trace PY disseminated Margins are autobrecciated.										
30.10	34.10	MASSIVE MUDSTONE Aphanitic, black, Brecciated, graphitic fracturing 45°:carbonate veining 30° Frs=6/m :Vns =5/m Trace PY disseminated Trace CV vein Fragments of silstone with calcite microveinlets are present throughout interval, minor graphite along fractures. Pyrite forms small grains of fine grained, massive pyrite >2 mm in size.										

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
<32.80-33.00>		GABBRO INTRUSION BRECCIA Fine-coarse grained, greenish-tan, veined contact 60° Moderate CB pervasive Trace MS pervasive Ameboid clasts of gabbro in siltstone.										
34.10	38.10	MASSIVE MUDSTONE Black, sheared, graphitic shear 25°:bedding 25° Frs=10/m :Vns =1/m Trace PY patches Trace CV vein Rare beds of feldspathic wacke with beds parallel to shear fabric. Abundant fragments of more competent silstone with calcite micro veinlets. Pyrite forms bands of up to 20% fine grained pyrite oriented 20 degrees to core axis and as small clasts of fine grained pyrite.										
38.10	38.50	FAULT ZONE Fine-coarse grained, black, sheared, graphitic Trace PY pervasive Trace CV vein Zone of shearing hosted within black, graphitic siltstone.										
38.50	52.40	MASSIVE MUDSTONE Aphanitic, black, veined carbonate veining 60°:fracturing 45° Frs=7/m :Vns =6/m Trace PY disseminated Massive pyrite grains present.										
<46.50-47.00>		FAULT ZONE Black, sheared, graphitic shear 45° Weak PY pervasive Zone of shearing hosted within black, graphitic siltstone.										
<52.40-53.90>		Black, sheared, Brecciated shear 25°:carbonate veining 20° Frs=50/m :Vns =2/m Tectonically disrupted beds of feldspathic wacke. Hosted within siltstone.										

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
53.90	62.30	INTERBEDDED SILTSTONE/WACKE Dark grey, bedded, clastic bedding 45°:fracturing 60° Frs=5/m :Vns =1.5/m ?? PY disseminated Trace CV macroveins Wacke beds are up to 45 cm wide and commonly contain siltstone rip-up clasts. Syn sedimentary deformation structures indicate that strata is upright.										
62.30	64.50	FAULT ZONE Black, sheared, veined shear 15°:carbonate veining 50° :Vns =1.5/m Trace PY disseminated Hosted within siltstone/wacke sequence.										
64.50	80.20	INTERBEDDED SILTSTONE/WACKE Dark grey, bedded, veined bedding 60°:carbonate veining 45° Frs=4.5/m :Vns =4/m ?? PY disseminated Trace CV vein From 76.2 to 80.2 carbonate veining increases to 10/m and wacke beds become more disrupted.										
80.20	84.05	ANDESITE LAPILLI TUFF Fine-coarse grained, pale green, graded, vesicular carbonate veining 40° Frs=6.5/m :Vns =5/m Weak CB pervasive Interval grades downward from ash tuff to vesicular block tuff.										
84.05	89.30	INTERBEDDED SILTSTONE/WACKE Black, bedded bedding 45°:carbonate veining 60° Frs=4.5/m :Vns =2/m										
89.30	93.15	ANDESITE LAPILLI TUFF Fine-coarse grained, pale green, graded, veined contact 90°:contact 25° Frs=3/m :Vns =4/m Weak CB pervasive Trace PY disseminated Trace CV vein Interval is reverse graded with clast averaging 1-2 cm										

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
		at the base and up to 10 cm at the top.										
93.15	95.10	MASSIVE GABBRO Greenish-tan, chilled margin, auto-brecciated carbonate veining 30° Frs=3/m :Vns =1/m Moderate CB pervasive Weak MS pervasive Trace PY disseminated Disseminated hematite along upper contact.										
95.10	95.85	ANDESITE LAPILLI TUFF Pale green, massive carbonate veining 60°:contact 70° Frs=5/m :Vns =.5/m Weak CB pervasive ?? CV vein Dominately andesitic ash with isolated lapilli.										
95.85	135.40	MASSIVE GABBRO Green, auto-brecciated, veined carbonate veining 65°:carbonate veining 30° Frs=3.5/m :Vns =1.5/m Trace CL replaced phenocryst Trace CB pervasive Trace MS pervasive Trace PY disseminated										
135.40	141.10	MASSIVE MUDSTONE Black, bedded, veined carbonate veining 75°:contact 60° Frs=2.3/m :Vns =10/m ?? PY disseminated										
141.10	143.10	MASSIVE GABBRO Greenish-gray, auto-brecciated carbonate veining 55°:contact 75° Frs=3/m :Vns =2/m Trace CB pervasive										
143.10	153.20	MASSIVE MUDSTONE Dark gray, veined, sheared shear 50°:carbonate veining 45° Frs=2.5/m :Vns =4/m Trace PY disseminated Weak CV microveins										

FROM	TO	DESCRIPTION	Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
153.20	164.00	GABBRO INTRUSION BRECCIA										
		Fine-coarse grained, grayish-green, mottled										
		carbonate veining 45°:carbonate veining 80°										
		Frs=4/m :Vns =2.5/m										
		Weak CB clasts										
		Interval of ameboid gabbro clasts in disrupted										
		siltstone matrix.										
164.00	174.75	MASSIVE MUDSTONE	36901	164.00-165.00	1.00	2	0.5	19	558	68	44	2
		Dark gray, sheared, veined	36902	165.00-166.00	1.00	2	0.4	12	650	59	41	2
		bedding 70°:shear 20°	36903	166.00-167.00	1.00	4	0.4	16	675	60	36	2
		Frs=5/m :Vns =3.5/m	36904	167.00-168.00	1.00	1	0.5	16	573	62	39	2
		Weak CV macroveins	36905	168.00-169.00	1.00	2	0.7	17	845	82	48	2
		Rare interbeds of feldspathic wacke, 3-10 cm wide.	36906	169.00-170.00	1.00	1	1.4	15	1663	88	56	2
		Pyrite laminations obzerved at the base of the	36907	170.00-171.00	1.00	2	2.5	10	2685	102	45	2
		interval.	36908	171.00-172.00	1.00	1	2.2	12	2055	101	53	2
		<174.35-174.75> Clastic	36909	172.00-173.00	1.00	1	1.7	12	1277	63	34	2
		20% massive pyrite and pyritic rhyolite grains up to 1	36910	173.00-174.00	1.00	1	0.1	4	174	20	15	2
		cm in size within siltstone.										
179.70	180.40	FAULT ZONE	36911	174.00-175.00	1.00	1	0.4	10	128	25	16	2
		Dark gray, Brecciated, crushed	36912	175.00-176.00	1.00	1	0.3	10	126	25	15	2
		contact 70°	36913	176.00-177.00	1.00	2	0.5	9	162	26	23	2
		Frs=25/m :Vns =1.5/m	36914	177.00-178.00	1.00	11	0.4	9	161	24	22	2
		Trace PY disseminated	36915	178.00-179.00	1.00	1	0.1	8	170	19	17	2
		Trace CV stockwork	36916	179.00-180.00	1.00	2	0.4	20	196	28	40	2
		Hosted by black siltstone, and disrupted wacke.										
180.40	187.70	RHYOLITE INTRUSIVE BRECCIA	36917	180.00-181.00	1.00	1	0.5	16	93	13	36	2
		Fine-coarse grained, gray, flowbanded, veined	36918	181.00-182.00	1.00	1	0.5	18	94	11	37	2
		contact 75°:carbonate veining 50°	36919	182.00-183.00	1.00	1	0.5	17	27	4	38	2
		Frs=6/m :Vns =8/m	36920	183.00-184.00	1.00	1	0.4	10	67	4	18	2
		Trace PY pervasive	36921	184.00-185.00	1.00	1	0.2	8	60	4	15	2
		Trace CV macroveins	36922	185.00-186.00	1.00	1	0.2	9	27	5	22	2
		Flow banded and spherulitic rhyolite fragments,	36923	186.00-187.00	1.00	1	0.5	16	68	12	29	2
		angular to subrounded, in siliceous matrix. Rare										
		black siltstone clasts.										
187.70	190.60	HETEROLITHIC CONGLOMERATE	36924	187.00-188.00	1.00	1	0.5	19	71	12	31	2
		Fine-coarse grained, pale gray, clastic, bedded	36925	188.00-189.00	1.00	45	0.2	12	186	22	24	2
		bedding 35°	36926	189.00-190.00	1.00	1	0.5	16	148	18	32	2
		Frs=2/m :Vns =1/m										
		Trace PY disseminated										
		?? CV vein										
		Clasts consist of andesite, siltstone and dacite.										

FROM	TO	DESCRIPTION
190.60	207.50	MASSIVE MUDSTONE Black, veined, laminated contact 30°:bedding 5° Frs=2.5/m :Vns =1/m Weak CV vein Rare pyrite laminations up to 1 cm wide. Abundant carbonate veining from 204 to 205.5.
207.50	218.70	INTERBEDED SILTSTONE/WACKE Fine-coarse grained, dark gray, bedded, clastic bedding 30°:carbonate veining 60° Frs=2/m :Vns =2/m Interval consists of alternating beds of massive black mudstone and feldspathic wacke to pebble conglomerate with siltstone, vesicular andesite and felsic clasts.
218.70	315.00	MASSIVE MUDSTONE Dark gray, bedded bedding 35°:carbonate veining 60° Frs=4.5/m :Vns =2/m ?? PY disseminated Occasional feldspathic wacke beds. <277.00-315.00> Black, laminated, veined bedding 45°:bedding 60° Frs=3/m :Vns =1.5/m Weak PY laminations
315.00	317.35	WACKE Fine-coarse grained, ish-gray, bedded, clastic bedding 50°:contact 50° Trace PY clasts Coarse wacke and paraconglomerate, volcanic derived. Coarser grained intervals host pyrite clasts.
317.35	346.90	ANDESITIC BRECCIA Fine-coarse grained, dark green carbonate veining 37° Frs=1/m :Vns =3/m Weak CL pervasive Trace CB pervasive Trace CV vein

(eoh)

Sample	INTERVAL	WIDTH	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm
36927	190.00-191.00	1.00	1	0.5	14	187	23	31	2
36928	191.00-192.00	1.00	1	0.4	8	265	27	19	2
36929	192.00-193.00	1.00	1	0.3	9	211	25	14	2
36930	193.00-194.00	1.00	1	0.3	8	381	30	17	2
36931	194.00-195.00	1.00	1	0.3	7	307	34	19	2
36932	195.00-196.00	1.00	1	0.3	7	218	26	19	2
36933	196.00-197.00	1.00	1	0.5	7	189	28	17	2
36934	197.00-198.00	1.00	49	0.6	10	183	30	20	2
36935	198.00-199.00	1.00	13	0.6	7	297	34	19	2
36936	199.00-200.00	1.00	1	1.8	8	475	66	29	2
36937	200.00-201.00	1.00	2	1.6	10	317	59	29	2
36938	201.00-202.00	1.00	1	1.5	6	652	51	24	2
36939	202.00-203.00	1.00	6	0.9	8	484	48	25	2
36940	203.00-204.00	1.00	4	2.0	7	260	60	30	2
36941	204.00-205.00	1.00	1	0.9	4	677	49	21	2
36942	205.00-206.00	1.00	1	1.3	8	282	65	40	3
36943	206.00-207.00	1.00	1	1.7	9	405	58	27	2
36944	207.00-208.00	1.00	4	1.6	9	261	43	31	2
36945	208.00-209.00	1.00	3	1.5	11	124	32	35	2
36946	209.00-210.00	1.00	1	1.4	13	143	35	29	2
36947	210.00-211.00	1.00	1	1.7	10	229	40	31	2
36948	211.00-212.00	1.00	1	2.0	11	390	54	37	2
36949	212.00-213.00	1.00	1	1.4	6	544	45	30	2
36950	213.00-214.00	1.00	1	1.4	9	182	33	32	2
36951	214.00-215.00	1.00	7	1.8	11	233	48	33	2
36952	215.00-216.00	1.00	1	1.8	9	171	46	30	2
36953	216.00-217.00	1.00	1	1.4	12	395	42	32	2
36954	217.00-218.00	1.00	1	1.3	8	315	37	22	2
36955	218.00-219.00	1.00	1	1.7	8	153	42	26	2

From	TO	Measured Width	Recovery	RQD	Hardness
6.10	8.50	2.40	100	83	3
8.50	11.30	2.80	93	78	3
11.30	14.30	3.00	100	88	4
14.30	17.40	3.10	100	89	5
17.40	20.70	3.30	91	89	4
20.70	24.10	3.40	92	92	5
24.10	27.10	3.00	100	95	4
27.10	30.20	3.10	100	32	3
30.20	33.20	3.00	96	74	3
33.20	35.70	2.50	96	42	3
35.70	38.10	2.40	93	33	3
38.10	42.10	4.00	89	30	3
42.10	45.40	3.30	100	36	3
45.40	48.50	3.10	100	50	4
48.50	51.50	3.00	100	98	4
51.50	53.00	1.50	100	63	3
53.00	54.60	1.60	92	28	3
54.60	57.60	3.00	100	80	4
57.60	60.70	3.10	100	82	3
60.70	63.40	2.70	100	51	4
63.40	66.40	3.00	100	49	4
66.40	69.50	3.10	100	93	4
69.50	72.50	3.00	100	94	3
72.50	75.30	2.80	100	53	3
75.30	78.30	3.00	100	76	4
78.30	81.50	3.20	100	53	4
81.50	84.90	3.40	100	55	4
84.90	87.80	2.90	100	80	4
87.80	90.80	3.00	100	82	5
90.80	93.90	3.10	100	88	5
93.90	96.90	3.00	100	67	5
96.90	99.80	2.90	100	84	5
99.80	102.90	3.10	100	80	5
102.90	106.10	3.20	100	81	5
106.10	109.10	3.00	100	87	5
109.10	112.20	3.10	100	57	5
112.20	115.10	2.90	100	93	5
115.10	118.10	3.00	100	82	5
118.10	121.20	3.10	100	92	5
121.20	124.40	3.20	100	86	5
124.40	127.40	3.00	100	76	5
127.40	130.40	3.00	100	85	5
130.40	133.50	3.10	100	94	5
133.50	136.60	3.10	100	72	4
136.60	139.60	3.00	100	96	5
139.60	142.60	3.00	100	74	4
142.60	145.70	3.10	100	82	5
145.70	148.70	3.00	100	100	5
148.70	151.80	3.10	100	100	5
151.80	154.80	3.00	100	86	4
154.80	157.90	3.10	100	69	4
157.90	160.90	3.00	100	87	5
160.90	164.00	3.10	100	83	4
164.00	166.70	2.70	77	54	3
166.70	169.20	2.50	78	30	2
169.20	170.10	0.90	100	26	3
170.10	171.30	1.20	86	42	4
171.30	173.10	1.80	100	91	4
173.10	176.20	3.10	100	83	4
176.20	179.20	3.00	100	91	3
179.20	182.30	3.10	100	46	4
182.30	185.30	3.00	100	79	3
185.30	188.40	3.10	100	65	4
188.40	189.40	1.00	100	100	4
189.40	191.40	2.00	94	88	4
191.40	194.50	3.10	100	80	5
194.50	197.50	3.00	100	80	5
197.50	200.60	3.10	100	85	4
200.60	203.60	3.00	100	78	3

From	TO	Measured Width	Recovery	RQD	Hardness
203.60	205.10	1.50	93	28	3
205.10	206.70	1.60	100	33	4
206.70	209.40	2.70	100	96	5
209.40	210.60	1.20	100	92	4
210.60	212.80	2.20	100	85	4
212.80	215.80	3.00	100	95	3
215.80	218.80	3.00	100	62	4
218.80	221.90	3.10	100	77	4
221.90	224.90	3.00	100	71	4
224.90	228.00	3.10	100	76	4
228.00	231.00	3.00	100	94	4
231.00	234.10	3.10	100	65	4
234.10	237.10	3.00	100	71	3
237.10	239.60	2.50	100	64	4
239.60	243.20	3.60	100	86	4
243.20	246.30	3.10	100	80	5
246.30	249.30	3.00	100	89	4
249.30	252.40	3.10	100	97	4
252.40	255.40	3.00	100	54	3
255.40	256.60	1.20	100	20	3
256.60	258.50	1.90	100	76	3
258.50	261.50	3.00	100	60	3
261.50	264.60	3.10	100	81	3
264.60	267.60	3.00	100	59	3
267.60	270.70	3.10	100	55	3
270.70	272.80	2.10	100	40	3
272.80	273.70	0.90	100	0	3
273.70	276.50	2.80	100	51	3
276.50	279.50	3.00	100	84	4
279.50	282.50	3.00	100	71	4
282.50	285.90	3.40	100	87	3
285.90	289.00	3.10	100	70	4
289.00	292.00	3.00	100	85	3
292.00	294.40	2.40	100	61	4
294.40	297.50	3.10	100	79	4
297.50	300.50	3.00	100	93	4
300.50	303.60	3.10	100	88	4
303.60	304.80	1.20	100	95	4
304.80	307.20	2.40	100	100	4
307.20	310.20	3.00	100	90	3
310.20	313.30	3.10	100	87	3
313.30	316.30	3.00	100	85	3
316.30	319.40	3.10	86	74	4
319.40	322.50	3.10	98	95	4
322.50	325.60	3.10	96	82	4
325.60	328.60	3.00	100	88	5
328.60	330.80	2.20	100	93	5
330.80	333.80	3.00	98	90	5
333.80	337.10	3.30	90	79	5
337.10	340.20	3.10	95	87	5
340.20	342.60	2.40	93	80	5
342.60	343.80	1.20	88	81	4
343.80	346.90	3.10	91	92	4

APPENDIX 4
ASSAY CERTIFICATES

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICAT OF ANALYSIS
iPL 9512006

2036 Columb[illegible] Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Homestake Mineral Development Co 17 Samples
Out: Sep 26, 1995 Project: 90707
In : Sep 20, 1995 Shipper: K Patterson
PO#: Shipment: ID=C034300
Msg: Au(FA/AAS 20g) ICP(AqR)30
Msg:

0= Rock 17= Soil 0= Core 0=RC Ct 0= Pulp 0=Other
Raw Storage: -- 00Mon/Dis -- -- -- --
Pulp Storage: -- 12Mon/Dis -- -- -- --

[076918:03:39:59092695]
Mon=Month Dis=Discard
Rtn=Return Arc=Archive

Document Distribution

1 Homestake Canada Inc
1000 - 700 W Pender St
Vancouver
BC V6C 1G8

EN	RT	CC	IN	FX
0	2	1	0	1
DL	3D	5D	BT	BL
0	0	0	1	1

ATT: Ron Britten/K Patterson
Ph:604/684-2345
Fx:604/684-9831

Analytical Summary

##	Code	Method	Title	Limit Low	Limit High	Units	Description	Element	##
01	312P	FAAA	Au	5	9999	ppb	Au FA/AAS finish 20g	Gold	01
02	364P	FAGrav	Au	See Data	Pg	g/mt	Au FA/Grav in g/mt	Gold	02
03	721P	ICP	Ag	0.1	100	ppm	Ag ICP	Silver	03
04	711P	ICP	Cu	1	20000	ppm	Cu ICP	Copper	04
05	714P	ICP	Pb	2	20000	ppm	Pb ICP	Lead	05
06	730P	ICP	Zn	1	20000	ppm	Zn ICP	Zinc	06
07	703P	ICP	As	5	9999	ppm	As ICP 5 ppm	Arsenic	07
08	702P	ICP	Sb	5	9999	ppm	Sb ICP	Antimony	08
09	732P	ICP	Hg	3	9999	ppm	Hg ICP	Mercury	09
10	717P	ICP	Mo	1	9999	ppm	Mo ICP	Molydenum	10
11	747P	ICP	Tl	10	999	ppm	Tl ICP 10 ppm (Incomplete	Thallium	11
12	705P	ICP	Bi	2	999	ppm	Bi ICP	Bismuth	12
13	707P	ICP	Cd	0.1	100	ppm	Cd ICP	Cadmium	13
14	710P	ICP	Co	1	999	ppm	Co ICP	Cobalt	14
15	718P	ICP	Ni	1	999	ppm	Ni ICP	Nickel	15
16	704P	ICP	Ba	2	9999	ppm	Ba ICP (Incomplete Digest	Barium	16
17	727P	ICP	W	5	999	ppm	W ICP (Incomplete Digest	Tungsten	17
18	709P	ICP	Cr	1	9999	ppm	Cr ICP (Incomplete Digest	Chromium	18
19	729P	ICP	V	2	999	ppm	V ICP	Vanadium	19
20	716P	ICP	Mn	1	9999	ppm	Mn ICP	Manganese	20
21	713P	ICP	La	2	9999	ppm	La ICP (Incomplete Digest	Lanthanum	21
22	723P	ICP	Sr	1	9999	ppm	Sr ICP (Incomplete Digest	Strontium	22
23	731P	ICP	Zr	1	999	ppm	Zr ICP	Zirconium	23
24	736P	ICP	Sc	1	99	ppm	Sc ICP	Scandium	24
25	726P	ICP	Ti	0.01	1.00	%	Ti ICP (Incomplete Digest	Titanium	25
26	701P	ICP	Al	0.01	9.99	%	Al ICP (Incomplete Digest	Aluminum	26
27	708P	ICP	Ca	0.01	9.99	%	Ca ICP (Incomplete Digest	Calcium	27
28	712P	ICP	Fe	0.01	9.99	%	Fe ICP	Iron	28
29	715P	ICP	Mg	0.01	9.99	%	Mg ICP (Incomplete Digest	Magnesium	29
30	720P	ICP	K	0.01	9.99	%	K ICP (Incomplete Digest	Potassium	30
31	722P	ICP	Na	0.01	5.00	%	Na ICP (Incomplete Digest	Sodium	31
32	719P	ICP	P	0.01	5.00	%	P ICP	Phosphorus	32

EN=Envelope # RT=Report Style CC=Copies IN=Invoices FX=Fax(1=Yes 0=No)
DL=Download 3D=3-1/2 Disk 5D=5-1/4 Disk BT=BBS Type BL=BBS(1=Yes 0=No)

Totals: 1=Copy 0=Invoice 0=3-1/2 Disk 0=5-1/4 Disk

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 95I2006

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Homestake Mineral Development Co
Project: 90707 17 Soil
iPL: 95I2006
Out: Sep 22, 1995
In: Sep 20, 1995
[076918:03:48:59092295]

Certified BC Assayer: David Chiu

Sample Name		Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %
L 1+50S 1+50W	S	15	--	0.8	31	19	30	22	<	<	6	<	<	<	16	15	98	<	30	187	189	7	16	21	1	0.57	1.24	0.13	5.99	0.27	0.03
L 1+50S 1+75W	S	<	--	1.1	55	26	53	41	<	<	8	<	<	<	22	28	30	<	84	202	407	6	16	79	3	0.61	2.71	0.14	9.57	0.90	0.05
L 1+50S 2+00W	S	<	--	1.6	37	16	24	22	<	<	19	<	<	<	16	18	116	<	64	235	206	7	18	7	1	0.40	1.71	0.34	9.25	0.62	0.04
L 1+50S 2+25W	S	<	--	0.7	26	9	24	16	<	<	6	<	<	0.2	11	13	55	<	11	71	176	4	25	10	1	0.29	0.91	0.32	2.18	0.23	0.04
L 1+50S 2+50W	S	15	--	0.8	74	28	48	36	<	<	14	<	<	<	19	31	110	<	62	146	342	11	21	42	2	0.46	2.57	0.29	8.91	0.49	0.04
L 1+50S 2+75W	S	6	--	1.3	18	11	44	11	<	<	2	<	<	0.6	10	10	63	<	16	51	161	5	48	4	1	0.12	1.01	0.47	2.20	0.34	0.06
L 1+50S 3+00W	S	<	--	0.7	68	23	127	57	<	<	7	<	<	<	32	50	146	<	61	84	1136	11	7	3	1	0.02	2.58	0.14	9.94	1.12	0.05
L 1+50S 3+25W	S	5	--	0.5	47	22	37	34	<	<	9	<	<	<	20	18	54	<	128	210	252	15	7	52	3	0.67	2.59	0.07	9.43	0.36	0.04
L 1+50S 3+50W	S	6	--	0.4	35	16	51	24	<	<	7	<	<	<	11	20	61	<	29	136	200	6	24	10	1	0.23	1.41	0.18	4.76	0.41	0.04
L 2+50S 1+50W	S	136	--	0.7	56	15	35	84	<	<	6	<	<	<	17	27	100	<	42	73	540	9	14	36	2	0.26	3.06	0.16	7.17	0.35	0.02
L 2+50S 1+75W	S	<	--	0.2	28	16	26	25	<	<	5	<	<	<	11	17	96	<	35	119	149	6	14	13	1	0.32	1.65	0.08	4.43	0.30	0.04
L 2+50S 2+00W	S	45	--	0.6	30	32	50	27	<	<	9	<	<	<	28	21	55	<	64	260	330	10	14	48	1	1.12	1.53	0.11	8.60	0.28	0.04
L 2+50S 2+25W	S	5	--	1.9	21	23	31	13	<	<	6	<	<	0.3	15	12	62	<	20	160	129	7	13	16	1	0.60	0.88	0.07	3.95	0.15	0.05
L 2+50S 2+50W	S	21	--	3.3	30	26	85	33	<	<	13	<	<	<	13	18	77	<	29	161	344	13	19	12	1	0.20	1.28	0.15	5.70	0.24	0.05
L 2+50S 2+75W	S	<	--	5.5	46	16	100	37	<	<	7	<	<	0.1	22	32	89	<	37	146	411	9	63	13	2	0.40	1.95	0.60	4.05	1.22	0.13
L 3+50S 3+25W	S	64	--	0.6	107	10	209	35	<	<	5	<	<	<	24	50	216	<	60	151	1308	10	65	2	3	0.20	2.33	2.04	4.06	1.79	0.07
L 3+50S 3+50W	S	36	--	1.0	273	21	284	60	7	<	6	<	<	1.3	46	70	106	<	37	126	2099	19	42	2	3	0.14	2.33	2.07	7.02	1.62	0.06
Min Limit		5	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	1000.00	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99
Method		FAAA	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

CERTIFICATE OF ANALYSIS
iPL 95I2006

INTERNATIONAL PLASMA LABORATORY LTD.

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Homestake Mineral Development Co iPL: 95I2006 Out: Sep 22, 1995 Page 1 of 1 Section 2 of 2
Project: 90707 17 Soil In: Sep 20, 1995 [076910:03:55:59092295] Certified BC Assayer: David Chiu

Sample Name		Na %	P %
L 1+50S 1+50W	S	0.02	0.11
L 1+50S 1+75W	S	0.03	0.17
L 1+50S 2+00W	S	0.03	0.38
L 1+50S 2+25W	S	0.04	0.10
L 1+50S 2+50W	S	0.02	0.09
L 1+50S 2+75W	S	0.07	0.09
L 1+50S 3+00W	S	0.01	0.35
L 1+50S 3+25W	S	0.02	0.11
L 1+50S 3+50W	S	0.02	0.11
L 2+50S 1+50W	S	0.02	0.09
L 2+50S 1+75W	S	0.02	0.09
L 2+50S 2+00W	S	0.02	0.11
L 2+50S 2+25W	S	0.03	0.12
L 2+50S 2+50W	S	0.03	0.11
L 2+50S 2+75W	S	0.23	0.12
L 3+50S 3+25W	S	0.07	0.14
L 3+50S 3+50W	S	0.02	0.15
Min Limit		0.01	0.01
Max Reported*		5.00	5.00
Method		ICP	ICP

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

CERTIFICATE OF ANALYSIS
iPL 95H1604

INTERNATIONAL PLASMA LABORATORY LTD

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Homestake Mineral Development Co 26 Samples

Out: Aug 18, 1995 Project: 90707 Ship=10
In : Aug 16, 1995 Shipper: Andrew Kaip
PO#: Shipment: ID=C034305
Msg: Au(FA/AAS 30g) ICP(AqR)30
Msg:

	Rock	Soil	Core	RC Ct	Pulp	Other
	26= Rock	0= Soil	0= Core	0=RC Ct	0= Pulp	0=Other
Raw Storage:	03Mon/Dis	--	--	--	--	--
Pulp Storage:	12Mon/Dis	--	--	--	--	--

[060817:11:15:59081895]
Mon=Month Dis=Discard
Rtn=Return Arc=Archive

Document Distribution

1 Homestake Mineral Development Co
1000 - 700 W Pender St
Vancouver
BC V6C 1G8

ATT: Ron Britten

EN	RT	CC	IN	FX
1	2	2	2	1
DL	3D	5D	BT	BL
0	0	0	1	0

Ph:604/684-2345
Fx:604/684-9831

2 Homestake Mineral Development Co
1 Airport Way
Smithers
BC V0J 2N0

ATT: Andrew Kaip
c/o: Joy McLeod

EN	RT	CC	IN	FX
2	2	1	0	1
DL	3D	5D	BT	BL
0	1	0	0	0

Ph:604/521-7361
Fx:604/526-5941

Analytical Summary

##	Code	Method	Title	Limit Low	Limit High	Units	Description	Element	##
01	313P	FAAA	Au	2	9999	ppb	Au FA/AAS finish 30g	Gold	01
02	721P	ICP	Ag	0.1	100	ppm	Ag ICP	Silver	02
03	711P	ICP	Cu	1	20000	ppm	Cu ICP	Copper	03
04	714P	ICP	Pb	2	20000	ppm	Pb ICP	Lead	04
05	730P	ICP	Zn	1	20000	ppm	Zn ICP	Zinc	05
06	703P	ICP	As	5	9999	ppm	As ICP 5 ppm	Arsenic	06
07	702P	ICP	Sb	5	9999	ppm	Sb ICP	Antimony	07
08	732P	ICP	Hg	3	9999	ppm	Hg ICP	Mercury	08
09	717P	ICP	Mo	1	9999	ppm	Mo ICP	Molydenum	09
10	747P	ICP	Tl	10	999	ppm	Tl ICP 10 ppm (Incomplete	Thallium	10
11	705P	ICP	Bi	2	999	ppm	Bi ICP	Bismuth	11
12	707P	ICP	Cd	0.1	100	ppm	Cd ICP	Cadmium	12
13	710P	ICP	Co	1	999	ppm	Co ICP	Cobalt	13
14	718P	ICP	Ni	1	999	ppm	Ni ICP	Nickel	14
15	704P	ICP	Ba	2	9999	ppm	Ba ICP (Incomplete Digest	Barium	15
16	727P	ICP	W	5	999	ppm	W ICP (Incomplete Digest	Tungsten	16
17	709P	ICP	Cr	1	9999	ppm	Cr ICP (Incomplete Digest	Chromium	17
18	729P	ICP	V	2	999	ppm	V ICP	Vanadium	18
19	716P	ICP	Mn	1	9999	ppm	Mn ICP	Manganese	19
20	713P	ICP	La	2	9999	ppm	La ICP (Incomplete Digest	Lanthanum	20
21	723P	ICP	Sr	1	9999	ppm	Sr ICP (Incomplete Digest	Strontium	21
22	731P	ICP	Zr	1	999	ppm	Zr ICP	Zirconium	22
23	736P	ICP	Sc	1	99	ppm	Sc ICP	Scandium	23
24	726P	ICP	Ti	0.01	1.00	%	Ti ICP (Incomplete Digest	Titanium	24
25	701P	ICP	Al	0.01	9.99	%	Al ICP (Incomplete Digest	Aluminum	25
26	708P	ICP	Ca	0.01	9.99	%	Ca ICP (Incomplete Digest	Calcium	26
27	712P	ICP	Fe	0.01	9.99	%	Fe ICP	Iron	27
28	715P	ICP	Mg	0.01	9.99	%	Mg ICP (Incomplete Digest	Magnesium	28
29	720P	ICP	K	0.01	9.99	%	K ICP (Incomplete Digest	Potassium	29
30	722P	ICP	Na	0.01	5.00	%	Na ICP (Incomplete Digest	Sodium	30
31	719P	ICP	P	0.01	5.00	%	P ICP	Phosphorus	31

EN=Envelope # RT=Report Style CC=Copies IN=Invoices FX=Fax(1=Yes 0=No)
DL=Download 3D=3-1/2 Disk 5D=5-1/4 Disk BT=BBS Type BL=BBS(1=Yes 0=No)

Totals: 3=Copy 2=Invoice 1=3-1/2 Disk 0=5-1/4 Disk

INTERNATIONAL PLASMA LABORATORY LTD

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 95H1604

Client: Homestake Mineral Development Co   iPL: 95H1604
Project: 90707 Ship=10   26 Rock

Out: Aug 18, 1995
In: Aug 16, 1995

[060817:11:44:59081895]

Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
21851	R	<	0.2	5	12	7	28	<	<	5	<	<	<	1	5	128	<	110	<	31	23	11	1	<	<	0.28	0.06	0.64	0.02	0.15	0.06	0.01
21852	R	<	0.1	7	14	6	22	<	<	8	<	<	<	1	4	94	<	118	<	32	24	8	2	<	<	0.32	0.03	0.67	0.02	0.17	0.06	0.01
21853	R	9	3.8	75	15	364	70	16	<	21	<	<	1.9	3	18	141	<	45	111	152	14	38	1	1	<	1.37	0.38	3.92	0.48	0.31	0.02	0.26
21854	R	7	0.7	47	18	198	42	5	<	11	<	<	1.5	14	77	139	<	111	69	404	4	25	1	2	<	2.07	0.30	4.03	1.16	0.26	0.02	0.09
21855	R	40	0.4	38	14	125	38	5	<	24	<	<	0.7	6	26	107	<	49	70	198	2	9	1	1	<	1.67	0.09	3.84	0.77	0.26	0.02	0.06
21856	R	12	0.2	45	18	102	28	<	<	14	<	<	0.5	6	37	92	<	49	48	140	4	8	1	1	<	1.70	0.07	3.81	0.79	0.24	0.02	0.06
21857	R	10	0.3	48	17	146	34	<	<	16	<	<	1.0	7	44	88	<	48	46	172	3	10	1	1	<	1.65	0.09	3.85	0.76	0.22	0.02	0.06
21858	R	4	0.6	8	15	52	10	<	<	3	<	<	0.1	2	6	75	<	13	2	122	9	6	1	<	<	0.49	0.05	0.62	0.03	0.21	0.01	0.01
21859	R	10	0.5	38	20	93	32	9	<	6	<	<	0.7	6	9	157	<	11	16	293	4	9	1	1	<	0.50	0.12	3.06	0.04	0.23	0.02	0.06
21860	R	15	0.6	48	23	110	38	12	<	7	<	<	0.4	6	9	123	<	5	18	189	2	10	1	2	<	0.47	0.10	3.41	0.03	0.23	0.02	0.08
21861	R	5	0.6	21	10	66	14	<	<	3	<	<	<	3	4	99	<	7	8	157	5	9	1	1	<	0.41	0.11	1.49	0.04	0.21	0.02	0.03
21862	R	17	0.5	20	18	55	144	25	<	7	<	<	0.3	7	6	281	<	24	17	310	8	15	1	1	<	0.72	0.20	2.38	0.17	0.24	0.02	0.06
21863	R	510	13.6	11	47	19	273	32	<	6	<	<	<	2	4	89	<	40	7	13	12	6	1	<	<	0.39	0.01	1.85	0.02	0.27	0.01	0.02
21864	R	1330	27.9	11	47	14	427	108	<	8	<	<	0.2	1	3	49	<	42	5	23	11	8	2	<	<	0.36	0.07	2.19	0.02	0.27	0.01	0.02
21865	R	116	2.5	25	24	32	137	27	<	8	<	<	0.2	2	4	108	<	16	10	59	3	4	1	1	<	0.48	0.02	2.61	0.03	0.25	0.01	0.06
21866	R	<	0.1	10	13	92	17	5	<	5	<	<	0.2	4	12	338	<	40	8	226	9	21	1	1	<	0.54	0.12	1.56	0.04	0.23	0.03	0.05
21867	R	<	0.2	9	14	63	16	<	<	4	<	<	<	3	7	333	<	32	8	133	9	19	1	1	<	0.52	0.12	1.63	0.03	0.23	0.03	0.05
21868	R	<	0.1	7	13	76	16	<	<	4	<	<	<	3	8	246	<	22	8	108	11	19	1	1	<	0.50	0.10	1.48	0.05	0.25	0.03	0.05
21869	R	10	0.3	17	15	83	66	5	<	6	<	<	0.3	4	8	241	<	16	10	329	14	10	1	1	<	0.44	0.11	2.49	0.08	0.24	0.01	0.06
21870	R	6	0.3	21	16	66	54	6	<	7	<	<	<	5	8	250	<	14	10	194	13	7	1	1	<	0.45	0.04	1.97	0.02	0.22	0.01	0.07
21871	R	<	0.2	5	16	12	78	<	<	4	<	<	<	1	2	342	<	21	3	40	23	9	2	<	<	0.39	0.01	1.15	0.02	0.29	0.01	0.03
21872	R	<	0.2	4	15	15	73	5	<	6	<	<	<	1	2	295	<	19	2	49	26	4	2	<	<	0.38	<	0.84	0.02	0.27	0.01	0.02
21873	R	<	0.2	4	17	7	79	6	<	3	<	<	<	1	2	334	<	19	2	22	22	6	2	<	<	0.41	0.01	0.99	0.02	0.30	0.01	0.02
21874	R	5	0.1	4	15	12	67	<	<	5	<	<	<	1	2	270	<	23	2	63	24	7	2	<	<	0.41	0.01	0.88	0.02	0.28	0.01	0.03
21875	R	3	0.5	27	14	110	22	<	<	11	<	<	0.9	6	14	187	<	11	24	167	4	11	2	1	<	0.68	0.07	2.79	0.03	0.24	0.02	0.09
21876	R	2	0.4	24	12	101	19	<	<	12	<	<	0.7	4	12	232	<	10	25	125	3	18	1	1	<	0.61	0.09	2.78	0.04	0.24	0.02	0.07
Min Limit		2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

iPL
INTERNATIONAL PLASMA LABORATORY LTD
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 95H2903

Homestake Mineral Development Co 21 Samples

Out: Sep 03, 1995 Project: 90707
In : Aug 29, 1995 Shipper: Andrew Kaip
PO#: Shipment: ID=C034305
Msg: Au(FA/AAS 30g) ICP(AqR)30
Msg:

	21= Rock	0= Soil	0= Core	0=RC Ct	0= Pulp	0-Other
Raw Storage:	03Mon/Dis	--	--	--	--	--
Pulp Storage:	12Mon/Dis	--	--	--	--	--

[066117:31:35:59090595]
Mon=Month Dis=Discard
Rtn=Return Arc=Archive

Document Distribution

1 Homestake Canada Inc
1000 - 700 W Pender St
Vancouver
BC V6C 1G8

EN	RT	CC	IN	FX
1	2	2	2	1
DL	3D	5D	BT	BL
0	0	0	1	0

ATT: Ron Britten
Ph:604/684-2345
Fx:604/684-9831

2 Homestake Canada Inc.
c/o Joy McLead, #1 Airport Way
Smithers
BC V0J 2N0

EN	RT	CC	IN	FX
2	2	0	0	1
DL	3D	5D	BT	BL
0	0	0	0	0

ATT: Andrew Kaip
Ph:604/521/7361
Fx:604/526/5941

Analytical Summary

##	Code	Method	Title	Limit Low	Limit High	Units	Description	Element	##
01	313P	FAAA	Au	2	9999	ppb	Au FA/AAS finish 30g	Gold	01
02	364P	FAGrav	Au	See	Data Pg	g/mt	Au FA/Grav in g/mt	Gold	02
03	721P	ICP	Ag	0.1	100	ppm	Ag ICP	Silver	03
04	711P	ICP	Cu	1	20000	ppm	Cu ICP	Copper	04
05	714P	ICP	Pb	2	20000	ppm	Pb ICP	Lead	05
06	730P	ICP	Zn	1	20000	ppm	Zn ICP	Zinc	06
07	703P	ICP	As	5	9999	ppm	As ICP 5 ppm	Arsenic	07
08	702P	ICP	Sb	5	9999	ppm	Sb ICP	Antimony	08
09	732P	ICP	Hg	3	9999	ppm	Hg ICP	Mercury	09
10	717P	ICP	Mo	1	9999	ppm	Mo ICP	Molydenum	10
11	747P	ICP	Tl	10	999	ppm	Tl ICP 10 ppm (Incomplete	Thallium	11
12	705P	ICP	Bi	2	999	ppm	Bi ICP	Bismuth	12
13	707P	ICP	Cd	0.1	100	ppm	Cd ICP	Cadmium	13
14	710P	ICP	Co	1	999	ppm	Co ICP	Cobalt	14
15	718P	ICP	Ni	1	999	ppm	Ni ICP	Nickel	15
16	704P	ICP	Ba	2	9999	ppm	Ba ICP (Incomplete Digest	Barium	16
17	727P	ICP	W	5	999	ppm	W ICP (Incomplete Digest	Tungsten	17
18	709P	ICP	Cr	1	9999	ppm	Cr ICP (Incomplete Digest	Chromium	18
19	729P	ICP	V	2	999	ppm	V ICP	Vanadium	19
20	716P	ICP	Mn	1	9999	ppm	Mn ICP	Manganese	20
21	713P	ICP	La	2	9999	ppm	La ICP (Incomplete Digest	Lanthanum	21
22	723P	ICP	Sr	1	9999	ppm	Sr ICP (Incomplete Digest	Strontium	22
23	731P	ICP	Zr	1	999	ppm	Zr ICP	Zirconium	23
24	736P	ICP	Sc	1	99	ppm	Sc ICP	Scandium	24
25	726P	ICP	Ti	0.01	1.00	%	Ti ICP (Incomplete Digest	Titanium	25
26	701P	ICP	Al	0.01	9.99	%	Al ICP (Incomplete Digest	Aluminum	26
27	708P	ICP	Ca	0.01	9.99	%	Ca ICP (Incomplete Digest	Calcium	27
28	712P	ICP	Fe	0.01	9.99	%	Fe ICP	Iron	28
29	715P	ICP	Mg	0.01	9.99	%	Mg ICP (Incomplete Digest	Magnesium	29
30	720P	ICP	K	0.01	9.99	%	K ICP (Incomplete Digest	Potassium	30
31	722P	ICP	Na	0.01	5.00	%	Na ICP (Incomplete Digest	Sodium	31
32	719P	ICP	P	0.01	5.00	%	P ICP	Phosphorus	32

EN=Envelope # RT=Report Style CC=Copies IN=Invoices FX=Fax(1=Yes 0=No)
DL=DownLoad 3D=3-1/2 Disk 5D=5-1/4 Disk BT=BBS Type BL=BBS(1=Yes 0=No)

Totals: 2=Copy 2=Invoice 0=3-1/2 Disk 0=5-1/4 Disk

INTERNATIONAL PLASMA LABORATORY LTD

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 95H2903

Client: Homestake Mineral Development Co iPL: 95H2903 Out: Sep 03, 1995 Page 1 of 1 Section 1 of 2
Project: 90707 21 Rock In: Aug 29, 1995 [066117:31:40:59090595] Certified BC Assayer: David Chiu

Sample Name		Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm
21881	R	2	--	1.2	30	10	123	21	<	<	7	<	<	1.0	5
21882	R	2	--	1.3	21	10	147	35	<	<	16	<	<	0.7	3
21883	R	1070	1.07	28.0	11	47	57	740	164	<	10	<	<	0.2	1
21884	R	23	--	1.3	17	18	69	87	19	<	6	<	<	0.4	3
21885	R	3	--	0.6	8	13	70	22	6	<	4	<	<	0.1	4
21886	R	23	--	0.6	7	15	61	24	<	<	4	<	<	0.2	3
21887	R	2	--	1.1	24	12	98	18	<	<	15	<	<	0.5	3
21888	R	3	--	0.9	20	9	109	21	<	<	6	<	<	1.1	5
21889	R	6	--	0.8	18	10	107	18	<	<	8	<	<	0.9	4
21890	R	<	--	0.8	18	14	109	25	<	<	5	<	<	0.9	5
21891	R	<	--	0.6	8	14	19	48	<	<	7	<	<	<	1
21892	R	5	--	0.8	11	13	28	102	7	<	8	<	<	<	2
21893	R	3	--	0.7	11	10	21	180	14	<	9	<	<	<	2
21894	R	16	--	0.6	7	18	15	257	22	8	9	<	<	<	1
21895	R	4	--	1.3	14	15	50	66	10	<	8	<	<	0.3	2
21896	R	3	--	1.1	23	13	50	40	<	<	6	<	<	0.6	3
21897	R	9	--	0.6	5	9	7	311	39	19	13	<	<	<	1
21898	R	4	--	0.7	10	12	19	368	35	10	12	<	<	0.3	1
21899	R	<	--	1.3	14	13	50	68	12	<	8	<	<	0.4	3
21900	R	2	--	1.2	17	10	57	41	5	<	6	<	<	0.5	3
21901	R	6	--	1.1	20	11	67	34	<	<	8	<	<	0.4	4
Min Limit		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1
Max Reported*		9999	1000.00	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999
Method		FAAA	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

Sample Name	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %
21881	9	316	<	9	19	126	2	17	1	3	<	0.45	0.04	2.74	0.02	0.20
21882	10	89	<	13	22	107	<	11	1	2	<	0.40	0.04	3.20	0.03	0.22
21883	5	34	<	71	3	14	7	14	3	<	<	0.20	<	3.33	0.01	0.25
21884	6	185	<	17	7	104	5	9	1	1	<	0.46	0.04	2.00	0.02	0.18
21885	7	210	<	31	7	232	12	14	1	1	<	0.45	0.08	1.70	0.03	0.18
21886	7	192	<	35	7	119	11	21	1	1	<	0.40	0.11	1.60	0.04	0.19
21887	16	315	<	14	19	107	2	21	1	3	<	0.40	0.10	2.43	0.02	0.19
21888	15	290	<	36	16	169	5	48	1	2	<	0.42	0.40	2.19	0.08	0.21
21889	12	281	<	29	19	215	4	26	1	2	<	0.42	0.18	2.62	0.03	0.19
21890	13	279	<	30	11	271	4	20	1	2	<	0.39	0.16	2.45	0.04	0.17
21891	1	355	<	18	3	41	21	5	2	<	<	0.33	0.02	0.94	0.02	0.24
21892	4	275	<	21	7	74	10	8	1	1	<	0.32	0.03	1.82	0.03	0.23
21893	4	379	<	38	6	37	6	8	1	1	<	0.28	0.01	1.51	0.02	0.20
21894	3	300	<	42	5	36	5	6	2	<	<	0.22	0.01	1.77	0.01	0.19
21895	7	527	<	15	19	33	2	13	1	2	<	0.53	0.05	2.50	0.03	0.24
21896	6	432	<	14	19	96	3	16	1	2	<	0.52	0.07	2.87	0.04	0.22
21897	2	199	<	55	6	11	4	6	2	<	<	0.23	<	1.21	0.01	0.24
21898	4	325	<	58	6	54	4	8	3	<	<	0.23	0.01	2.06	0.01	0.20
21899	8	187	<	15	17	63	2	6	1	2	<	0.61	0.02	2.50	0.04	0.22
21900	7	288	<	16	17	155	3	6	1	2	<	0.54	0.02	2.72	0.03	0.21
21901	8	225	<	17	15	100	5	6	1	2	<	0.67	0.02	2.58	0.03	0.21
Min Limit	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99
Method	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

CERTIFICATE OF ANALYSIS
iPL 95H2903

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Homestake Mineral Development Co   iPL: 95H2903   Out: Sep 03, 1995   Page 1 of 1   Section 2 of 2
Project: 90707   21 Rock   In: Aug 29, 1995   [066117:31:48:59090595]   Certified BC Assayer: David Chiu

Sample Name		Na %	P %
21881	R	0.01	0.09
21882	R	0.02	0.10
21883	R	0.01	0.01
21884	R	0.01	0.05
21885	R	0.02	0.04
21886	R	0.03	0.05
21887	R	0.01	0.11
21888	R	0.02	0.06
21889	R	0.02	0.07
21890	R	0.02	0.06
21891	R	0.01	0.03
21892	R	0.01	0.05
21893	R	0.01	0.03
21894	R	0.01	0.02
21895	R	0.01	0.10
21896	R	0.01	0.08
21897	R	0.02	0.02
21898	R	0.02	0.02
21899	R	0.01	0.08
21900	R	0.01	0.07
21901	R	0.01	0.05
Min Limit		0.01	0.01
Max Reported*		5.00	5.00
Method		ICP	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

iPL
INTERNATIONAL PLASMA LABORATORY LTD

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 95H2301

Homestake Mineral Development Co 159 Samples

Out: Aug 28, 1995 Project: 90707 Ship=11
In : Aug 23, 1995 Shipper: C Baldys
PO#: Shipment: ID=C034305
Msg: Au(FA/AAS 30g) ICP(AqR)30
Msg:

	0= Rock	0= Soil	159= Core	0=RC Ct	0= Pulp	0=Other
Raw Storage:	--	--	03Mon/Dis	--	--	--
Pulp Storage:	--	--	12Mon/Dis	--	--	--

[064212:28:13:59082895]
Mon=Month Dis=Discard
Rtn=Return Arc=Archive

Document Distribution

1 Homestake Canada Inc
1000 - 700 W Pender St
Vancouver
BC V6C 1C8

EN	RT	CC	IN	FX
1	2	2	2	1
DL	**3D**	**5D**	**BT**	**BL**
0	0	0	1	0

ATT: Ron Britten/Dave Kuran Ph:604/684-2345
Fx:604/684-9831

2 Homestake Exploration Company
1 Airport Way
Smithers
BC V0J 2N0

EN	RT	CC	IN	FX
1	2	1	0	1
DL	**3D**	**5D**	**BT**	**BL**
0	1	0	0	0

ATT: C Baldys/Andrew Kaip Ph:604/521-7361
c/o: Joy McLeod FAX ONLY Fx:604/526-5941

Analytical Summary

##	Code	Method	Title	Limit Low	Limit High	Units	Description	Element	##
01	313P	FAAA	Au	2	9999	ppb	Au FA/AAS finish 30g	Gold	01
02	721P	ICP	Ag	0.1	100	ppm	Ag ICP	Silver	02
03	711P	ICP	Cu	1	20000	ppm	Cu ICP	Copper	03
04	714P	ICP	Pb	2	20000	ppm	Pb ICP	Lead	04
05	730P	ICP	Zn	1	20000	ppm	Zn ICP	Zinc	05
06	703P	ICP	As	5	9999	ppm	As ICP 5 ppm	Arsenic	06
07	702P	ICP	Sb	5	9999	ppm	Sb ICP	Antimony	07
08	732P	ICP	Hg	3	9999	ppm	Hg ICP	Mercury	08
09	717P	ICP	Mo	1	9999	ppm	Mo ICP	Molydenum	09
10	747P	ICP	Tl	10	999	ppm	Tl ICP 10 ppm (Incomplete	Thallium	10
11	705P	ICP	Bi	2	999	ppm	Bi ICP	Bismuth	11
12	707P	ICP	Cd	0.1	100	ppm	Cd ICP	Cadmium	12
13	710P	ICP	Co	1	999	ppm	Co ICP	Cobalt	13
14	718P	ICP	Ni	1	999	ppm	Ni ICP	Nickel	14
15	704P	ICP	Ba	2	9999	ppm	Ba ICP (Incomplete Digest	Barium	15
16	727P	ICP	W	5	999	ppm	W ICP (Incomplete Digest	Tungsten	16
17	709P	ICP	Cr	1	9999	ppm	Cr ICP (Incomplete Digest	Chromium	17
18	729P	ICP	V	2	999	ppm	V ICP	Vanadium	18
19	716P	ICP	Mn	1	9999	ppm	Mn ICP	Manganese	19
20	713P	ICP	La	2	9999	ppm	La ICP (Incomplete Digest	Lanthanum	20
21	723P	ICP	Sr	1	9999	ppm	Sr ICP (Incomplete Digest	Strontium	21
22	731P	ICP	Zr	1	999	ppm	Zr ICP	Zirconium	22
23	736P	ICP	Sc	1	99	ppm	Sc ICP	Scandium	23
24	726P	ICP	Ti	0.01	1.00	%	Ti ICP (Incomplete Digest	Titanium	24
25	701P	ICP	Al	0.01	9.99	%	Al ICP (Incomplete Digest	Aluminum	25
26	708P	ICP	Ca	0.01	9.99	%	Ca ICP (Incomplete Digest	Calcium	26
27	712P	ICP	Fe	0.01	9.99	%	Fe ICP	Iron	27
28	715P	ICP	Mg	0.01	9.99	%	Mg ICP (Incomplete Digest	Magnesium	28
29	720P	ICP	K	0.01	9.99	%	K ICP (Incomplete Digest	Potassium	29
30	722P	ICP	Na	0.01	5.00	%	Na ICP (Incomplete Digest	Sodium	30
31	719P	ICP	P	0.01	5.00	%	P ICP	Phosphorus	31

EN=Envelope # RT=Report Style CC=Copies IN=Invoices FX=Fax(1=Yes 0=No)
DL=Download 3D=3-1/2 Disk 5D=5-1/4 Disk BT=BBS Type BL=BBS(1=Yes 0=No)

Totals: 3=Copy 2=Invoice 1=3-1/2 Disk 0=5 1/4 Disk

INTERNATIONAL PLASMA LABORATORY LTD

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 95H2301

Client: Homestake Mineral Development Co iPL: 95H2301 Out: Aug 28, 1995 Section 1 of 1
Project: 90707 Ship#11 159 Core In: Aug 23, 1995 [064212:28:19:59082895] Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
20751	C	10	1.1	36	17	75	23	<	<	4	<	<	0.2	17	45	117	<	65	38	758	3	177	1	2	<	1.73	4.10	3.62	0.96	0.20	0.04	0.09
20752	C	11	1.3	47	20	245	35	<	<	10	<	<	1.0	20	94	114	<	94	60	867	5	180	1	3	<	2.14	3.87	4.08	1.56	0.19	0.04	0.10
20753	C	11	1.3	46	12	432	21	<	<	15	<	<	3.9	11	76	87	<	40	27	801	5	412	1	1	<	0.98	7.68	2.76	0.54	0.20	0.03	0.04
20754	C	13	1.3	64	18	453	39	<	<	22	<	<	2.6	16	120	38	<	38	42	301	2	115	2	2	<	1.51	1.36	4.62	0.77	0.25	0.05	0.05
20755	C	18	1.1	63	17	337	33	<	<	15	<	<	1.2	17	120	63	<	45	43	300	2	113	2	2	<	1.69	1.18	4.05	0.81	0.27	0.05	0.05
20756	C	9	1.2	62	18	269	35	<	<	11	<	<	0.8	19	120	59	<	43	41	308	3	85	2	3	<	1.77	0.95	4.26	0.87	0.29	0.06	0.05
20757	C	13	1.1	63	18	381	31	5	<	14	<	<	1.9	18	124	55	<	37	39	257	3	86	2	2	<	1.56	0.85	4.12	0.80	0.26	0.06	0.05
20758	C	1710	1.5	76	19	683	56	6	<	22	<	<	5.7	18	139	48	<	39	59	284	4	103	3	3	<	1.79	1.02	4.71	0.91	0.29	0.07	0.12
20759	C	16	1.2	62	16	448	37	5	<	15	<	<	3.0	16	119	60	<	34	45	319	3	112	2	3	<	1.57	1.65	4.01	0.81	0.29	0.06	0.06
20760	C	10	1.4	57	14	625	45	<	<	34	<	<	5.2	11	103	29	<	21	44	276	2	103	2	2	<	1.29	1.62	3.87	0.68	0.24	0.06	0.04
20761	C	12	1.3	68	11	358	30	<	<	15	<	<	1.9	11	67	87	<	25	101	797	2	189	1	5	<	2.05	3.12	4.44	1.00	0.17	0.05	0.05
20762	C	24	1.4	69	15	909	33	<	<	25	<	<	8.2	14	122	44	<	27	51	255	2	91	2	2	<	1.28	1.03	3.56	0.69	0.25	0.06	0.05
20763	C	20	1.2	71	18	612	42	7	<	15	<	<	4.4	19	134	64	<	48	61	289	3	104	2	3	<	1.79	1.22	4.25	0.96	0.29	0.06	0.06
20764	C	14	1.3	65	17	611	34	<	<	20	<	<	5.3	15	123	55	<	40	58	319	3	139	2	2	<	1.53	1.78	3.69	0.81	0.25	0.06	0.05
20765	C	87	1.6	70	22	702	62	<	<	36	<	<	4.8	15	134	37	<	34	57	212	2	79	2	3	<	1.60	0.65	4.63	0.79	0.33	0.07	0.05
20766	C	19	1.7	77	16	1086	46	5	<	15	<	<	11.5	15	117	50	<	41	80	236	4	79	2	3	<	1.80	0.66	4.31	0.91	0.32	0.07	0.05
20767	C	22	1.7	75	18	1171	51	5	<	25	<	<	11.9	13	102	30	<	25	60	242	2	83	2	2	<	1.37	0.87	4.36	0.69	0.30	0.07	0.05
20768	C	13	1.1	62	18	280	32	<	<	14	<	<	1.9	16	112	59	<	33	43	278	4	89	2	3	<	1.77	0.84	3.93	0.92	0.32	0.07	0.05
20769	C	12	1.3	72	18	701	35	5	<	17	<	<	7.0	16	119	44	<	30	48	253	3	88	2	2	<	1.45	0.70	3.81	0.80	0.27	0.07	0.05
20770	C	124	1.2	65	15	510	37	7	<	22	<	<	4.8	15	120	47	<	28	50	272	2	136	2	2	<	1.31	1.52	3.46	0.72	0.24	0.06	0.05
20771	C	12	1.8	96	18	2206	49	7	<	41	<	<	25.4	12	113	35	<	24	96	251	3	103	2	2	<	1.27	0.96	3.48	0.70	0.26	0.06	0.06
20772	C	84	1.5	80	19	1317	44	8	<	30	<	<	15.2	13	101	51	<	23	68	188	6	71	2	2	<	1.33	0.38	3.74	0.79	0.28	0.06	0.11
20773	C	43	1.9	80	22	1228	58	9	<	23	<	<	16.1	12	77	45	<	23	54	198	9	78	2	2	<	1.31	0.45	3.94	0.80	0.32	0.06	0.05
20774	C	9	1.6	70	21	1004	38	6	<	16	<	<	13.9	13	63	35	<	19	43	210	7	81	2	2	<	1.18	0.64	3.77	0.76	0.33	0.06	0.07
20775	C	9	1.2	67	21	465	43	8	<	13	<	<	5.4	14	87	27	<	26	49	230	6	88	2	2	<	1.23	0.81	3.94	0.82	0.34	0.06	0.08
20776	C	37	1.9	94	15	1780	67	13	<	28	<	<	24.0	12	99	28	<	17	58	195	5	93	2	2	<	0.71	0.82	3.90	0.57	0.32	0.06	0.08
20777	C	8	1.4	23	13	189	39	10	<	14	<	<	2.4	4	18	39	<	23	10	403	10	212	2	1	<	0.43	3.82	2.42	0.47	0.25	0.04	0.09
20778	C	23	1.7	22	11	178	36	5	<	10	<	<	2.9	4	15	67	<	18	11	751	7	311	2	1	<	0.35	9.12	2.07	0.51	0.21	0.03	0.06
20779	C	11	0.6	6	9	46	9	<	<	4	<	<	<	3	5	102	<	37	6	335	12	179	1	1	<	0.35	3.36	1.41	0.32	0.18	0.06	0.05
20780	C	7	0.8	11	14	70	34	5	<	6	<	<	0.1	4	12	49	<	47	5	291	6	167	1	1	<	0.34	2.82	1.61	0.32	0.19	0.04	0.04
20781	C	14	1.2	13	16	80	51	7	<	8	<	<	0.1	4	9	53	<	54	4	344	4	155	1	<	<	0.33	3.36	1.77	0.26	0.21	0.03	0.03
20782	C	21	1.3	13	18	87	60	7	<	7	<	<	0.7	4	10	45	<	37	4	302	2	119	2	<	<	0.35	2.42	2.06	0.30	0.22	0.03	0.03
20783	C	19	1.2	17	16	91	68	8	<	9	<	<	0.5	4	16	41	<	51	5	262	3	105	2	<	<	0.39	2.08	2.16	0.25	0.24	0.04	0.03
20784	C	30	1.4	27	19	117	51	10	<	6	<	<	1.0	7	15	50	<	30	9	439	2	292	1	1	<	0.43	5.04	2.27	0.32	0.26	0.03	0.05
20785	C	9	0.7	8	18	60	33	5	<	9	<	<	0.3	2	7	38	<	73	4	218	3	170	3	<	<	0.30	2.17	2.01	0.16	0.16	0.04	0.02
20786	C	100	0.4	3	16	19	24	<	<	5	<	<	<	1	3	54	<	80	<	105	3	97	3	<	<	0.32	1.14	1.43	0.08	0.19	0.04	0.01
20787	C	62	0.3	5	20	29	31	<	<	8	<	<	<	1	3	53	<	90	<	78	5	51	3	<	<	0.27	0.58	1.75	0.06	0.18	0.05	0.01
20788	C	8	0.3	6	17	37	19	<	<	4	<	<	<	1	3	70	<	89	<	96	5	63	3	<	<	0.25	0.69	1.30	0.11	0.15	0.06	0.01
20789	C	5	0.4	4	12	28	15	<	<	8	<	<	<	1	3	62	<	96	<	126	2	68	2	<	<	0.26	0.79	1.31	0.13	0.14	0.05	0.01
Min Limit		2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICATE OF ANALYSIS
iPL 95H2301

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Homestake Mineral Development Co   iPL: 95H2301   Out: Aug 28, 1995   Section 1 of 1
Project: 90707 Ship=11   159 Core   In: Aug 23, 1995   [064212:28:33:59082895]   Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
20790	C	21	0.4	2	9	17	14	<	<	3	<	<	<	1	2	72	<	55	<	82	2	78	2	<	<	0.24	0.69	1.10	0.06	0.16	0.04	<
20791	C	23	0.4	3	12	19	18	5	<	7	<	<	<	1	2	49	<	68	<	94	<	63	2	<	<	0.24	0.63	1.52	0.07	0.15	0.04	0.01
20792	C	13	1.2	28	9	137	28	5	<	6	<	<	1.1	8	22	57	<	19	16	477	2	277	1	2	<	0.55	3.12	3.09	0.63	0.25	0.03	0.09
20793	C	26	2.1	53	11	406	76	7	<	13	<	<	5.6	14	38	30	<	29	39	398	7	222	2	2	<	0.52	2.74	4.49	0.48	0.29	0.04	0.28
20794	C	9	1.9	38	8	313	53	<	<	16	<	<	5.2	7	25	56	<	37	18	988	3	594	1	2	<	0.28	8.62	3.11	0.81	0.18	0.02	0.09
20795	C	9	2.0	72	13	1921	67	8	<	27	<	<	29.1	11	53	47	<	29	49	538	4	277	2	2	<	0.51	3.95	3.22	0.66	0.28	0.03	0.25
20796	C	15	1.0	14	8	104	21	<	<	4	<	<	0.2	12	11	42	<	33	28	351	4	79	1	1	<	0.53	1.04	3.32	0.68	0.27	0.05	0.12
20797	C	16	1.5	29	9	130	24	<	<	4	<	<	0.3	10	17	68	<	23	28	368	3	99	1	2	<	0.51	1.04	3.75	0.75	0.25	0.04	0.11
20798	C	8	1.3	15	5	57	10	<	<	5	<	<	1.1	4	10	129	<	55	15	1288	2	503	1	1	<	0.32	8.02	3.50	3.05	0.15	0.03	0.04
20799	C	6	1.1	28	10	103	18	<	<	4	<	<	0.3	12	16	124	<	27	33	508	4	110	1	2	<	0.51	1.42	3.53	0.87	0.25	0.04	0.11
20800	C	5	1.0	22	8	85	18	<	<	3	<	<	0.5	12	10	232	<	24	54	884	6	124	1	2	<	1.11	2.48	3.97	1.25	0.18	0.05	0.11
20801	C	13	1.0	24	8	85	20	<	<	3	<	<	<	14	8	310	<	18	53	906	9	124	1	2	<	1.24	2.80	4.22	1.34	0.24	0.04	0.14
20802	C	3	0.9	26	5	75	20	<	<	3	<	<	0.5	14	7	274	<	19	57	980	8	128	1	2	<	1.36	3.30	3.88	1.37	0.19	0.05	0.12
20803	C	7	1.0	20	5	67	8	<	<	3	<	<	0.7	10	6	48	<	14	16	1108	4	233	1	2	<	0.43	5.79	3.67	1.47	0.22	0.04	0.09
20804	C	14	1.1	20	4	71	13	<	<	3	<	<	0.6	9	7	45	<	12	21	927	5	274	1	1	<	0.44	6.00	3.36	1.08	0.21	0.04	0.10
20805	C	8	0.9	29	7	99	16	<	<	4	<	<	0.2	11	14	40	<	20	23	418	4	105	1	2	<	0.49	1.45	3.61	0.74	0.26	0.04	0.10
20806	C	10	1.6	43	10	118	28	<	<	4	<	<	0.6	10	22	47	<	16	21	416	3	161	1	2	<	0.44	1.82	3.51	0.78	0.27	0.04	0.10
20807	C	8	1.7	39	9	106	20	<	<	6	<	<	0.9	9	20	53	<	17	27	784	6	221	1	2	<	0.68	5.02	3.20	0.60	0.28	0.04	0.15
20808	C	7	1.3	38	8	105	19	<	<	4	<	<	0.7	11	17	41	<	20	29	573	6	118	2	1	<	0.98	2.62	3.87	0.68	0.25	0.04	0.13
20809	C	6	1.2	35	9	95	18	<	<	4	<	<	0.3	11	15	34	<	19	29	423	5	93	1	1	<	1.06	2.03	3.63	0.66	0.27	0.04	0.10
20810	C	5	1.8	40	9	148	22	<	<	4	<	<	2.2	9	17	65	<	22	42	601	9	146	1	2	<	0.98	3.30	3.19	0.75	0.27	0.04	0.21
20811	C	6	1.0	41	10	131	26	<	<	4	<	<	0.2	13	120	90	<	22	38	287	6	77	1	2	<	1.17	0.79	3.25	0.80	0.27	0.04	0.10
20812	C	15	1.1	30	13	114	24	<	<	5	<	<	0.4	7	16	76	<	19	29	323	6	86	1	1	<	1.06	1.21	3.02	0.73	0.26	0.03	0.09
20813	C	10	1.6	40	10	160	27	<	<	6	<	<	2.0	8	23	58	<	19	38	421	6	117	1	1	<	0.89	2.25	3.19	0.66	0.27	0.03	0.14
20814	C	38	1.8	46	7	1172	33	5	<	14	<	<	22.4	8	36	54	<	16	72	375	4	96	2	1	<	1.01	1.60	3.28	0.75	0.25	0.03	0.09
20815	C	11	1.9	48	8	183	27	<	<	6	<	<	2.5	10	26	45	<	20	47	395	6	99	2	2	<	0.89	1.70	3.74	0.78	0.28	0.03	0.17
20816	C	7	1.6	11	4	39	9	<	<	3	<	<	0.2	7	3	220	<	19	24	2908	9	905	<	1	<	0.73	17%	2.39	0.75	0.12	0.02	0.05
20817	C	12	1.2	60	16	657	60	<	<	27	<	<	6.5	13	103	50	<	22	30	466	<	323	2	3	<	0.41	2.97	3.85	0.96	0.23	0.02	0.05
20818	C	6	1.1	53	12	407	35	<	<	23	<	<	2.7	14	100	46	<	28	36	335	2	197	2	3	<	0.44	1.61	4.56	1.15	0.22	0.02	0.07
20819	C	20	1.1	79	15	1061	22	<	<	25	<	<	10.8	15	120	60	<	23	47	248	<	164	2	3	<	0.44	1.05	3.94	1.07	0.25	0.02	0.05
20820	C	8	1.0	62	11	320	19	<	<	15	<	<	2.6	15	122	72	<	35	37	242	2	146	2	4	<	0.57	0.91	3.93	0.97	0.28	0.03	0.08
20821	C	12	1.0	62	12	500	18	<	<	15	<	<	4.3	14	108	77	<	28	34	355	<	204	2	4	<	0.46	1.59	3.91	1.17	0.24	0.03	0.07
20822	C	9	1.0	60	11	354	21	<	<	11	<	<	2.4	15	104	72	<	21	32	434	3	346	2	4	<	0.52	2.57	4.06	1.14	0.27	0.03	0.11
20823	C	8	0.9	51	10	233	29	<	<	15	<	<	1.0	16	97	89	<	19	29	423	<	235	1	4	<	0.42	2.21	4.36	1.34	0.23	0.03	0.04
20824	C	62	0.9	60	13	248	20	<	<	11	<	<	0.9	17	120	81	<	27	37	250	<	111	1	4	<	0.71	0.71	4.20	1.07	0.27	0.03	0.05
20825	C	9	0.8	61	14	205	18	<	<	10	<	<	0.4	17	123	82	<	27	37	234	<	107	1	4	<	0.86	0.67	4.06	1.09	0.25	0.03	0.05
20826	C	12	1.0	63	15	309	21	<	<	12	<	<	1.7	16	116	62	<	25	36	236	<	79	1	3	<	0.84	0.66	4.07	1.02	0.28	0.03	0.05
20827	C	9	1.0	60	14	260	18	<	<	12	<	<	1.2	17	115	59	<	23	31	314	<	172	1	3	<	0.62	1.33	4.21	1.09	0.27	0.02	0.05
20828	C	12	1.0	64	13	323	19	<	<	14	<	<	2.7	17	121	66	<	29	32	337	<	223	2	3	<	0.67	1.73	3.92	0.98	0.25	0.02	0.05
Min Limit		2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 95H2301

Client: Homestake Mineral Development Co   iPL: 95H2301   Out: Aug 28, 1995   Section 1 of 1
Project: 90707 Ship=11   159 Core   In: Aug 23, 1995   [064212:28:46:59082895]   Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
20829	C	7	0.9	58	12	308	16	<	<	12	<	<	2.6	15	109	66	<	29	30	341	<	203	1	3	<	0.47	1.77	3.89	1.04	0.23	0.02	0.05
20830	C	7	1.0	56	10	425	14	<	<	15	<	<	4.1	14	93	76	<	37	23	584	<	297	1	3	<	0.42	2.80	3,73	1.43	0.24	0.02	0.04
20831	C	5	1.0	59	13	289	14	<	<	13	<	<	2.5	16	110	64	<	31	26	417	<	246	1	3	<	0.48	2.08	3:89	0.96	0.27	0.02	0.05
20832	C	6	1.1	65	12	425	30	5	<	15	<	<	3.8	16	106	52	<	37	23	396	<	172	2	3	<	0.44	2.02	4.26	1.12	0.26	0.02	0.05
20833	C	5	1.0	56	15	422	32	6	<	19	<	<	4.2	13	99	55	<	21	28	270	<	120	2	3	<	0.48	1.11	3.79	0.94	0.26	0.02	0.05
20834	C	4	1.0	49	10	585	27	5	<	24	<	<	6.1	11	74	62	<	19	35	263	3	127	1	3	<	0.60	0.86	3.61	0.85	0.27	0.02	0.04
20835	C	4	1.5	61	14	876	34	7	<	30	<	<	8.7	11	77	50	<	23	65	273	3	115	2	3	<	0.94	0.87	4.39	0.97	0.29	0.03	0.08
20836	C	6	1.5	72	13	1447	29	9	<	23	<	<	18.3	10	68	70	<	25	67	518	3	211	2	3	<	0.75	3.01	3.37	1.02	0.28	0.03	0.07
20837	C	23	1.9	88	20	1881	40	7	<	15	<	<	26.5	12	65	55	<	21	52	275	2	131	2	3	<	0.89	1.07	3.54	0.80	0.35	0.03	0.08
20838	C	6	1.0	59	14	577	23	8	<	15	<	<	6.6	11	69	67	<	28	41	439	2	208	2	2	<	0.68	2.08	3.15	0.86	0.26	0.03	0.05
20839	C	8	1.7	94	17	2117	52	13	<	36	<	<	26.3	12	113	44	<	19	94	271	<	101	2	3	<	0.61	0.91	3.59	0.71	0.23	0.03	0.05
20840	C	14	3.1	116	14	2762	41	14	<	34	<	<	39.8	10	99	46	<	25	80	281	<	98	2	3	<	0.69	0.81	3.32	0.66	0.26	0.03	0.05
20841	C	30	1.9	84	11	1753	53	14	<	46	<	<	23.1	10	89	59	<	21	82	583	2	211	2	3	<	0.63	2.32	3.34	0.70	0.24	0.03	0.05
20842	C	43	1.7	61	11	1184	37	10	<	28	<	<	16.6	8	47	72	<	20	52	572	3	158	1	3	<	0.64	1.56	3.23	0.81	0.23	0.03	0.05
20843	C	10	2.0	104	10	3350	49	11	<	46	<	<	56.0	7	60	69	<	22	63	431	3	165	1	2	<	0.54	1.56	2.55	0.52	0.24	0.03	0.04
20844	C	19	2.2	56	12	930	40	10	<	11	<	<	14.7	7	37	60	<	23	46	435	5	155	1	3	<	0.91	1.38	3.57	0.69	0.30	0.03	0.12
20845	C	20	1.8	74	10	2737	24	8	<	24	<	<	42.3	7	56	103	<	23	70	341	4	112	1	1	<	0.67	0.96	2.40	0.55	0.26	0.03	0.03
20846	C	4	3.4	90	11	2124	39	9	<	20	<	<	34.7	8	41	75	<	22	73	934	3	274	1	3	<	0.72	5.61	2.04	0.71	0.28	0.03	0.10
20847	C	7	2.2	72	15	1505	52	9	<	24	<	<	23.8	9	43	33	<	19	48	546	3	129	2	3	<	0.48	1.86	4.66	0.56	0.24	0.03	0.06
20848	C	6	4.0	82	9	711	38	6	<	18	<	<	14.5	8	46	31	<	20	44	472	3	129	1	3	<	0.45	1.47	3.88	0.47	0.25	0.03	0.10
20849	C	8	3.7	99	9	1404	40	8	<	15	<	<	28.1	8	58	37	<	21	58	365	4	141	1	3	<	0.50	1.60	3.80	0.54	0.27	0.03	0.16
20850	C	54	3.1	81	10	235	22	<	<	5	<	<	1.3	9	39	42	<	17	37	234	4	92	1	4	<	0.50	0.85	3.75	0.66	0.27	0.03	0.12
20851	C	8	3.4	88	9	214	20	<	<	5	<	<	0.8	10	43	51	<	20	37	254	3	110	1	4	<	0.52	1.13	3.91	0.76	0.28	0.03	0.09
20852	C	3	1.6	40	10	173	19	5	<	7	<	<	1.1	8	31	47	<	14	27	318	3	111	1	3	<	0.55	1.46	3.40	0.61	0.30	0.03	0.12
20853	C	3	1.0	29	12	145	26	10	<	8	<	<	1.3	7	27	52	<	16	18	285	2	168	1	2	<	0.51	2.01	2.67	0.49	0.29	0.03	0.08
20854	C	19	1.0	26	9	166	23	9	<	9	<	<	1.8	6	23	64	<	23	15	361	3	225	2	2	<	0.44	4.22	2.34	0.49	0.25	0.03	0.07
20855	C	4	1.3	35	22	147	36	15	<	13	<	<	1.5	8	36	48	<	31	18	320	2	215	1	2	<	0.46	2.61	2.68	0.49	0.27	0.02	0.10
20856	C	3	1.1	28	28	213	28	11	<	8	<	<	1.6	6	26	49	<	22	20	292	2	165	1	2	<	0.46	1.70	3.14	0.57	0.27	0.02	0.09
20857	C	<	0.4	4	19	41	28	<	<	12	<	<	<	1	4	29	<	71	<	76	17	79	2	<	<	0.29	0.64	1.82	0.09	0.18	0.04	0.01
20858	C	<	0.3	4	19	45	35	6	<	10	<	<	<	1	7	41	<	126	<	62	11	70	2	<	<	0.23	0.59	1.93	0.02	0.16	0.05	0.01
20859	C	<	0.3	5	13	24	14	6	<	12	<	<	<	1	4	71	<	141	<	51	17	172	3	<	<	0.20	1.28	0.93	0.01	0.13	0.08	0.01
20860	C	2	0.2	4	13	28	11	5	<	6	<	<	<	1	5	78	<	134	<	38	16	85	3	<	<	0.21	0.58	0.86	0.01	0.17	0.06	0.01
20861	C	<	0.2	3	13	24	18	5	<	11	<	<	<	1	4	66	<	126	<	35	15	42	2	<	<	0.20	0.40	1.09	0.01	0.17	0.05	0.01
20862	C	<	0.3	3	15	46	33	<	<	8	<	<	<	1	5	48	<	121	<	37	14	44	3	<	<	0.22	0.41	1.54	0.01	0.19	0.05	0.01
20863	C	<	0.3	3	8	34	20	<	<	11	<	<	<	1	3	70	<	116	<	32	16	38	2	<	<	0.22	0.35	1.07	0.01	0.21	0.03	0.01
20864	C	2	0.4	4	16	33	34	<	<	8	<	<	<	1	4	55	<	134	<	50	11	93	3	<	<	0.19	0.65	1.34	0.01	0.13	0.08	0.01
20865	C	3	0.3	5	14	59	28	5	<	11	<	<	0.2	1	4	64	<	120	<	25	18	10	3	<	<	0.24	0.11	1.25	0.01	0.19	0.07	0.01
20866	C	<	0.4	4	11	82	23	5	<	8	<	<	0.1	1	3	73	<	106	<	103	10	125	2	<	<	0.26	1.24	1.16	0.02	0.26	0.03	<
20867	C	<	0.3	4	14	58	45	5	<	26	<	<	<	1	5	61	<	131	<	51	12	42	2	<	<	0.24	0.30	1.32	0.01	0.26	0.03	0.01
Min Limit		2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICATE OF ANALYSIS
iPL 95H2301

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Homestake Mineral Development Co   iPL: 95H2301   Out: Aug 28, 1995   Section 1 of 1
Project: 90707 Ship=11   159 Core   In: Aug 23, 1995   [064212:29:00:59082095]   Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
20868	C	<	0.4	5	15	36	60	5	<	12	<	<	<	1	11	53	<	125	<	39	13	14	3	<	<	0.21	0.12	1.34	0.01	0.18	0.05	0.01
20869	C	<	0.2	4	8	41	43	<	<	11	<	<	<	1	4	59	<	121	<	27	11	6	3	<	<	0.20	0.03	1.13	0.01	0.17	0.05	0.01
20870	C	<	0.2	4	9	180	37	<	<	5	<	<	1.4	1	5	75	<	105	<	35	10	12	3	<	<	0.21	0.10	0.99	0.02	0.16	0.05	0.01
20871	C	<	0.4	5	13	128	41	<	<	9	<	<	0.5	1	4	60	<	107	<	47	8	20	2	<	<	0.16	0.28	1.13	0.01	0.13	0.05	0.01
20872	C	<	0.4	5	17	31	58	6	<	7	<	<	<	1	4	54	<	122	<	51	9	24	4	<	<	0.20	0.27	1.35	0.01	0.16	0.06	0.01
20873	C	2	0.6	7	20	24	87	7	<	34	<	<	0.2	1	5	41	<	159	<	95	9	94	4	<	<	0.18	0.88	2.02	0.01	0.15	0.06	0.01
20874	C	<	0.4	4	9	8	45	6	<	11	<	<	<	1	5	55	<	127	<	136	14	75	3	<	<	0.24	1.33	1.28	0.02	0.22	0.05	0.01
20875	C	<	0.3	4	7	7	17	6	<	11	<	<	<	1	4	124	<	134	<	48	15	34	2	<	<	0.19	0.48	0.72	0.01	0.18	0.04	0.01
20876	C	<	0.4	3	6	10	35	<	<	7	<	<	<	1	5	69	<	146	<	52	14	30	3	<	<	0.20	0.44	1.09	0.01	0.19	0.05	0.01
20877	C	<	0.4	4	9	13	18	5	<	11	<	<	<	1	4	63	<	152	<	40	16	33	3	<	<	0.19	0.33	0.84	0.01	0.17	0.05	0.01
20878	C	<	0.6	4	7	15	21	5	<	6	<	<	<	1	5	59	<	146	<	63	16	69	3	<	<	0.19	0.61	0.90	0.01	0.17	0.05	0.01
20879	C	2	0.4	5	10	5	18	<	<	10	<	<	<	1	3	52	<	124	<	43	16	36	3	<	<	0.20	0.35	0.91	0.01	0.18	0.05	0.01
20880	C	2	0.5	5	10	5	25	<	<	6	<	<	<	1	4	78	<	125	<	41	15	30	3	<	<	0.19	0.31	0.96	0.01	0.17	0.05	0.01
20881	C	<	0.5	5	13	12	13	5	<	9	<	<	<	1	3	119	<	117	<	47	18	42	2	<	<	0.23	0.44	0.69	0.01	0.21	0.05	0.01
20882	C	<	1.1	6	19	15	51	5	<	10	<	<	<	1	4	47	<	112	<	55	11	39	3	<	<	0.19	0.36	1.48	0.01	0.16	0.05	0.01
20883	C	<	0.4	5	15	107	54	6	<	15	<	<	0.2	1	4	55	<	152	<	25	14	6	3	<	<	0.19	0.04	1.32	<	0.18	0.04	0.01
20884	C	8	0.2	5	9	87	30	6	<	6	<	<	<	1	4	81	<	139	<	18	19	6	4	<	<	0.22	0.03	0.92	0.01	0.22	0.05	0.01
20885	C	<	0.3	4	17	51	67	6	<	13	<	<	<	1	4	41	<	149	<	37	15	13	4	<	<	0.18	0.14	1.75	<	0.18	0.05	0.01
20886	C	2	0.3	3	14	44	52	5	<	8	<	<	<	1	5	51	<	128	<	36	15	35	5	<	<	0.18	0.27	1.43	<	0.18	0.06	0.01
20887	C	<	0.3	3	15	57	81	6	<	17	<	<	0.3	1	5	35	<	152	<	51	12	53	4	<	<	0.18	0.40	2.22	<	0.17	0.06	0.01
20888	C	<	0.4	4	17	50	80	5	<	26	<	<	0.2	1	5	38	<	125	<	51	12	50	4	<	<	0.19	0.42	2.04	0.01	0.19	0.05	0.01
20889	C	2	0.2	3	11	27	48	7	<	18	<	<	<	1	4	52	<	154	<	38	14	24	3	<	<	0.18	0.20	1.38	<	0.17	0.05	0.01
20890	C	<	0.2	3	12	31	48	5	<	17	<	<	<	1	5	45	<	149	<	40	14	19	3	<	<	0.17	0.17	1.52	0.01	0.18	0.05	0.01
20891	C	3	0.5	4	19	49	137	10	<	22	<	<	0.4	2	5	26	<	161	2	95	10	37	3	<	<	0.18	0.35	2.94	<	0.18	0.05	0.01
20892	C	<	0.4	3	15	38	106	7	<	11	<	<	0.4	1	6	29	<	149	<	90	11	40	3	<	<	0.20	0.49	2.57	0.01	0.21	0.04	0.01
20893	C	<	0.4	4	8	22	39	5	<	13	<	<	<	1	5	62	<	161	<	142	13	114	3	<	<	0.17	2.07	1.17	0.01	0.17	0.04	0.01
20894	C	6	0.4	3	14	27	47	6	<	9	<	<	<	1	5	55	<	165	<	48	17	28	4	<	<	0.20	0.23	1.37	<	0.20	0.05	0.01
20895	C	<	0.7	4	16	36	62	6	<	16	<	<	<	1	5	43	<	178	<	56	15	24	3	<	<	0.16	0.24	1.59	<	0.17	0.05	0.01
20896	C	<	0.4	5	17	43	38	7	<	6	<	<	<	1	6	55	<	145	<	39	16	26	3	<	<	0.16	0.28	1.23	<	0.16	0.06	0.01
20897	C	<	0.3	7	23	52	26	6	<	13	<	<	<	1	5	64	<	173	<	65	16	44	4	<	<	0.17	0.61	1.09	0.02	0.15	0.08	0.01
20898	C	22	0.2	6	26	163	11	7	<	8	<	<	0.4	1	6	86	<	174	<	47	17	31	3	<	<	0.17	0.32	0.74	0.01	0.16	0.06	0.01
20899	C	<	0.2	5	24	133	13	8	<	14	<	<	0.4	1	5	96	<	173	<	90	15	54	3	<	<	0.17	0.85	0.74	0.01	0.16	0.06	0.01
20900	C	3	0.2	5	24	52	13	7	<	8	<	<	0.4	1	8	95	<	194	<	68	16	46	3	<	<	0.15	0.55	0.75	<	0.13	0.07	0.01
20901	C	6	0.2	5	20	58	15	7	<	17	<	<	0.2	1	7	77	<	223	<	51	17	14	4	<	<	0.14	0.15	0.88	0.01	0.11	0.07	0.01
20902	C	<	0.1	5	24	91	14	6	<	7	<	<	0.9	1	6	96	<	173	<	44	17	13	4	<	<	0.17	0.17	0.79	<	0.12	0.09	0.01
20903	C	<	0.1	5	27	95	13	5	<	16	<	<	1.1	1	6	83	<	212	<	52	13	14	3	<	<	0.15	0.15	0.85	0.01	0.12	0.07	0.01
20904	C	<	0.2	4	21	83	15	<	<	6	<	<	0.2	1	5	81	<	149	<	49	9	31	3	<	<	0.19	0.29	0.89	0.02	0.19	0.03	<
20905	C	3	0.1	5	18	256	19	6	<	14	<	<	1.4	1	5	82	<	169	<	56	5	40	3	<	<	0.18	0.43	0.81	0.01	0.16	0.04	<
20906	C	<	0.1	5	18	153	17	6	<	8	<	<	0.4	1	6	80	<	184	<	50	9	36	3	<	<	0.18	0.35	0.78	0.01	0.16	0.05	<
Min Limit		2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICATE OF ANALYSIS
iPL 95H2301

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Homestake Mineral Development Co iPL: 95H2301 Out: Aug 28, 1995 Section 1 of 1
Project: 90707 Ship=11 159 Core In: Aug 23, 1995 [064212:29:13:59082895] Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
20907	C	2	0.2	4	19	124	28	6	<	14	<	<	0.4	1	4	61	<	155	<	54	6	26	3	<	<	0.17	0.35	1.06	0.01	0.15	0.05	<
20908	C	10	0.5	4	28	125	49	6	<	12	<	<	0.3	1	6	51	<	147	<	106	4	146	4	<	<	0.20	1.44	1.67	0.03	0.14	0.06	0.01
20909	C	<	0.4	8	12	60	6	<	<	13	<	<	<	3	11	76	<	126	7	213	6	89	2	<	<	0.26	1.03	1.53	0.19	0.14	0.06	0.03
Min Limit		2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICATE OF ANALYSIS
iPL 95I1304

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Homestake Mineral Development Co 81 Samples 0= Rock 0= Soil 81= Core 0=RC Ct 0= Pulp 0=Other [073816:59:55:59091895]

Out: Sep 18, 1995 Project: 90707 Raw Storage: -- -- 03Mon/Dis -- -- -- Mon=Month Dis=Discard

In : Sep 13, 1995 Shipper: Andrew Kaip Pulp Storage: -- -- 12Mon/Dis -- -- -- Rtn=Return Arc=Archive

PO#: Shipment: ID=C034305

Msg: Au(FA/AAS 30g) ICP(AqR)30

Msg:

Document Distribution

1 Homestake Canada Inc
1000 - 700 W Pender St
Vancouver
BC V6C 1G8

EN	RT	CC	IN	FX
1	2	2	2	1
DL	3D	5D	BT	BL
0	0	0	1	0

ATT: Ron Britten Ph:604/684-2345
Fx:604/684-9831

2 Homestake Exploration Company
1 Airport Way
Smithers
BC V0J 2N0

EN	RT	CC	IN	FX
1	2	1	0	1
DL	3D	5D	BT	BL
0	1	0	0	0

ATT: C Baldys/Andrew Kaip Ph:604/521-7361
c/o: Joy McLeod FAX ONLY Fx:604/526-5941

Analytical Summary

##	Code	Method	Title	Limit Low	Limit High	Units	Description	Element	##
01	313P	FAAA	Au	2	9999	ppb	Au FA/AAS finish 30g	Gold	01
02	364P	FAGrav	Au	See Data	Pg	g/mt	Au FA/Grav in g/mt	Gold	02
03	721P	ICP	Ag	0.1	100	ppm	Ag ICP	Silver	03
04	711P	ICP	Cu	1	20000	ppm	Cu ICP	Copper	04
05	714P	ICP	Pb	2	20000	ppm	Pb ICP	Lead	05
06	730P	ICP	Zn	1	20000	ppm	Zn ICP	Zinc	06
07	703P	ICP	As	5	9999	ppm	As ICP 5 ppm	Arsenic	07
08	702P	ICP	Sb	5	9999	ppm	Sb ICP	Antimony	08
09	732P	ICP	Hg	3	9999	ppm	Hg ICP	Mercury	09
10	717P	ICP	Mo	1	9999	ppm	Mo ICP	Molydenum	10
11	747P	ICP	Tl	10	999	ppm	Tl ICP 10 ppm (Incomplete	Thallium	11
12	705P	ICP	Bi	2	999	ppm	Bi ICP	Bismuth	12
13	707P	ICP	Cd	0.1	100	ppm	Cd ICP	Cadmium	13
14	710P	ICP	Co	1	999	ppm	Co ICP	Cobalt	14
15	718P	ICP	Ni	1	999	ppm	Ni ICP	Nickel	15
16	704P	ICP	Ba	2	9999	ppm	Ba ICP (Incomplete Digest	Barium	16
17	727P	ICP	W	5	999	ppm	W ICP (Incomplete Digest	Tungsten	17
18	709P	ICP	Cr	1	9999	ppm	Cr ICP (Incomplete Digest	Chromium	18
19	729P	ICP	V	2	999	ppm	V ICP	Vanadium	19
20	716P	ICP	Mn	1	9999	ppm	Mn ICP	Manganese	20
21	713P	ICP	La	2	9999	ppm	La ICP (Incomplete Digest	Lanthanum	21
22	723P	ICP	Sr	1	9999	ppm	Sr ICP (Incomplete Digest	Strontium	22
23	731P	ICP	Zr	1	999	ppm	Zr ICP	Zirconium	23
24	736P	ICP	Sc	1	99	ppm	Sc ICP	Scandium	24
25	726P	ICP	Ti	0.01	1.00	%	Ti ICP (Incomplete Digest	Titanium	25
26	701P	ICP	Al	0.01	9.99	%	Al ICP (Incomplete Digest	Aluminum	26
27	708P	ICP	Ca	0.01	9.99	%	Ca ICP (Incomplete Digest	Calcium	27
28	712P	ICP	Fe	0.01	9.99	%	Fe ICP	Iron	28
29	715P	ICP	Mg	0.01	9.99	%	Mg ICP (Incomplete Digest	Magnesium	29
30	720P	ICP	K	0.01	9.99	%	K ICP (Incomplete Digest	Potassium	30
31	722P	ICP	Na	0.01	5.00	%	Na ICP (Incomplete Digest	Sodium	31
32	719P	ICP	P	0.01	5.00	%	P ICP	Phosphorus	32

EN=Envelope # RT=Report Style CC=Copies IN=Invoices FX=Fax(1=Yes 0=No)
DL=Download 3D=3-1/2 Disk 5D=5-1/4 Disk BT=BBS Type BL=BBS(1=Yes 0=No) Totals: 3=Copy 2=Invoice 1=3-1/2 Disk 0=5 1/4 Disk

CERTIFICATE OF ANALYSIS
iPL 95I1304

INTERNATIONAL PLASMA LABORATORY LTD

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Homestake Mineral Development Co   iPL: 95I1304   Out: Sep 18, 1995   Section 1 of 2
Project: 90707   81 Core   In: Sep 13, 1995   [073817:00:01:59091895]   Certified BC Assayer: David Chiu

Sample Name		Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %
36901	C	2	--	0.5	68	19	558	44	5	<	18	<	<	5.3	15	111	43	<	29	31	306	<	124	2	4	<	0.45	1.48	3.90	1.07	0.27
36902	C	2	--	0.4	59	12	650	41	<	<	16	<	<	6.7	12	91	54	<	49	24	474	<	193	1	3	<	0.34	2.84	3.32	1.27	0.21
36903	C	4	--	0.4	60	16	675	36	7	<	16	<	<	7.2	12	98	50	<	55	27	409	<	198	2	2	<	0.32	2.71	3.58	1.26	0.20
36904	C	<	--	0.5	62	16	573	39	8	<	17	<	<	6.5	14	111	42	<	52	24	404	<	202	1	3	<	0.36	2.78	3.57	1.28	0.22
36905	C	2	--	0.7	82	17	845	48	7	<	18	<	<	8.2	16	130	35	<	36	26	243	<	114	2	3	<	0.39	1.02	3.42	0.70	0.24
36906	C	<	--	1.4	88	15	1663	56	8	<	34	<	<	21.4	12	102	29	<	49	34	262	<	108	2	3	<	0.39	1.05	3.29	0.71	0.23
36907	C	2	--	2.5	102	10	2685	45	8	<	28	<	<	42.1	10	64	37	<	25	50	272	<	100	1	3	<	0.40	0.88	3.11	0.72	0.22
36908	C	<	--	2.2	101	12	2055	53	8	<	29	<	<	32.8	10	59	29	<	33	50	411	2	166	1	3	<	0.44	2.03	3.22	0.72	0.24
36909	C	<	--	1.7	63	12	1277	34	6	<	19	<	<	20.2	7	43	31	<	22	39	279	3	139	2	3	<	0.53	1.19	3.05	0.57	0.25
36910	C	<	--	<	20	4	174	15	<	<	12	<	<	2.3	4	21	75	<	44	21	1324	3	699	3	1	<	0.28	13%	2.15	0.73	0.13
36911	C	<	--	0.4	25	10	128	16	<	<	8	<	<	1.4	6	24	34	<	21	22	509	3	183	2	3	<	0.41	2.57	2.94	0.87	0.23
36912	C	<	--	0.3	25	10	126	15	<	<	7	<	<	1.2	6	22	34	<	18	19	279	3	106	2	2	<	0.46	1.32	2.72	0.63	0.27
36913	C	2	--	0.5	26	9	162	23	<	<	5	<	<	1.7	8	27	37	<	16	22	320	3	124	1	3	<	0.46	1.60	3.09	0.70	0.26
36914	C	11	--	0.4	24	9	161	22	<	<	7	<	<	1.7	8	25	40	<	12	18	371	3	207	1	2	<	0.44	2.27	2.86	0.67	0.26
36915	C	<	--	<	19	8	170	17	<	<	7	<	<	2.5	4	18	52	<	32	18	691	4	683	1	2	<	0.40	6.74	2.64	0.55	0.19
36916	C	2	--	0.4	28	20	196	40	<	<	14	<	<	2.1	6	28	40	<	21	13	422	2	248	1	2	<	0.42	2.81	2.24	0.34	0.24
36917	C	<	-	0.5	13	16	93	36	<	<	8	<	<	0.5	3	12	61	<	83	7	329	4	174	2	1	<	0.29	2.29	1.81	0.32	0.15
36918	C	<	--	0.5	11	18	94	37	<	<	7	<	<	0.9	3	10	44	<	57	5	231	8	126	1	1	<	0.32	1.21	2.10	0.32	0.19
36919	C	<	--	0.5	4	17	27	38	<	<	5	<	<	<	1	3	39	<	75	<	171	11	126	2	<	<	0.24	1.27	1.51	0.09	0.14
36920	C	<	--	0.4	4	10	67	18	<	<	10	<	<	0.3	1	4	60	<	133	<	79	11	51	2	<	<	0.18	0.55	0.99	0.05	0.09
36921	C	<	--	0.2	4	8	60	15	<	<	6	<	<	0.2	1	4	81	<	120	<	66	13	71	2	<	<	0.20	0.66	0.89	0.05	0.10
36922	C	<	--	0.2	5	9	27	22	5	<	8	<	<	<	1	4	62	<	113	2	97	14	87	2	<	<	0.20	0.91	1.05	0.07	0.11
36923	C	<	--	0.5	12	16	68	29	6	<	5	<	<	0.2	3	11	70	<	102	6	137	9	101	2	<	<	0.26	1.00	1.61	0.22	0.13
36924	C	<	--	0.5	12	19	71	31	5	<	8	<	<	0.3	3	11	65	<	100	7	141	9	79	2	<	<	0.28	0.75	1.77	0.21	0.15
36925	C	45	--	0.2	22	12	186	24	<	<	9	<	<	2.6	5	22	42	<	26	14	518	4	492	1	2	<	0.38	4.29	2.27	0.41	0.22
36926	C	<	--	0.5	18	16	148	32	<	<	8	<	<	1.0	4	16	66	<	23	9	249	8	124	2	1	<	0.39	1.33	1.76	0.34	0.24
36927	C	<	--	0.5	23	14	187	31	<	<	9	<	<	2.2	6	23	54	<	15	16	333	4	167	1	2	<	0.42	1.04	2.09	0.45	0.26
36928	C	<	--	0.4	27	8	265	19	<	<	9	<	<	3.8	6	26	36	<	12	28	497	3	238	2	3	<	0.42	2.99	2.87	0.56	0.22
36929	C	<	--	0.3	25	9	211	14	<	<	9	<	<	3.2	6	25	38	<	10	24	500	4	280	1	3	<	0.41	3.35	2.62	0.57	0.22
36930	C	<	--	0.3	30	8	381	17	<	<	13	<	<	5.7	6	34	39	<	11	30	404	3	232	2	3	<	0.44	3.26	2.76	0.62	0.23
36931	C	<	--	0.3	34	7	307	19	<	<	12	<	<	3.9	7	31	37	<	27	33	406	3	216	2	3	<	0.56	2.76	3.08	0.63	0.27
36932	C	<	--	0.3	26	7	218	19	<	<	7	<	<	3.3	5	26	41	<	15	32	397	2	198	1	3	<	0.61	2.76	2.54	0.57	0.23
36933	C	<	--	0.5	28	7	189	17	<	<	7	<	<	2.6	6	26	66	<	20	40	491	4	222	1	3	<	0.69	3.40	2.72	0.69	0.23
36934	C	49	--	0.6	30	10	183	20	<	<	7	<	<	2.5	6	31	42	<	14	29	304	3	138	1	3	<	0.59	1.81	2.56	0.58	0.24
36935	C	13	--	0.6	34	7	297	19	<	<	9	<	<	4.9	7	33	43	<	22	36	337	3	166	2	3	<	0.54	2.22	2.86	0.65	0.22
36936	C	<	--	1.8	66	8	475	29	<	<	14	<	<	8.4	10	62	23	<	23	40	259	5	127	2	4	<	0.51	1.44	3.86	0.46	0.28
36937	C	2	--	1.6	59	10	317	29	<	<	10	<	<	5.2	10	58	23	<	19	35	292	5	143	2	4	<	0.51	1.75	3.51	0.50	0.28
36938	C	<	--	1.5	51	6	652	24	<	<	13	<	<	13.2	7	52	46	<	23	48	483	4	186	2	3	<	0.42	3.85	2.62	0.50	0.22
36939	C	6	--	0.9	48	8	484	25	<	<	12	<	<	8.3	8	39	23	<	17	33	265	3	159	2	3	<	0.42	1.28	3.86	0.39	0.22
Min Limit		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	1000.00	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99
Method		FAAA	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

--=No Test Ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICATE OF ANALYSIS
iPL 95I1304

2036 Columbia Street
Vancouver, B.C
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Homestake Mineral Development Co iPL: 95I1304 Out: Sep 18, 1995 Section 2 of 2
Project: 90707 81 Core In: Sep 13, 1995 [073817:00:13:59091895] Certified BC Assayer: David Chiu

Sample Name		Na %	P %
36901	C	0.02	0.05
36902	C	0.02	0.04
36903	C	0.02	0.06
36904	C	0.02	0.05
36905	C	0.02	0.05
36906	C	0.02	0.06
36907	C	0.02	0.05
36908	C	0.03	0.07
36909	C	0.03	0.10
36910	C	0.02	0.05
36911	C	0.03	0.09
36912	C	0.03	0.07
36913	C	0.03	0.08
36914	C	0.03	0.08
36915	C	0.03	0.09
36916	C	0.02	0.06
36917	C	0.04	0.02
36918	C	0.03	0.03
36919	C	0.04	0.01
36920	C	0.07	0.01
36921	C	0.07	0.01
36922	C	0.06	0.01
36923	C	0.05	0.03
36924	C	0.05	0.03
36925	C	0.02	0.07
36926	C	0.03	0.04
36927	C	0.04	0.06
36928	C	0.04	0.08
36929	C	0.05	0.08
36930	C	0.05	0.09
36931	C	0.06	0.09
36932	C	0.05	0.07
36933	C	0.05	0.08
36934	C	0.05	0.08
36935	C	0.04	0.10
36936	C	0.04	0.20
36937	C	0.03	0.21
36938	C	0.03	0.15
36939	C	0.03	0.13
Min Limit		0.01	0.01
Max Reported*		5.00	5.00
Method		ICP	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 95I1304

Client: Homestake Mineral Development Co   iPL: 95I1304   Out: Sep 18, 1995   Section 1 of 2
Project: 90707   81 Core   In: Sep 13, 1995   [073817:00:18:59091895]   Certified BC Assayer: David Chiu

Sample Name		Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %
36940	C	4	--	2.0	60	7	260	30	<	<	8	<	<	4.6	8	55	25	<	35	48	211	3	112	2	2	<	0.66	0.92	3.32	0.38	0.20
36941	C	<	--	0.9	49	4	677	21	<	<	12	<	<	12.3	5	43	41	<	56	26	569	2	664	1	1	<	0.31	5.53	2.54	0.36	0.17
36942	C	<	--	1.3	65	8	282	40	7	<	11	<	<	4.0	6	45	42	<	68	40	425	5	514	2	2	<	0.75	4.34	3.55	0.45	0.24
36943	C	<	--	1.7	58	9	405	27	<	<	11	<	<	6.5	7	48	25	<	34	28	249	4	214	2	2	<	0.49	1.74	3.42	0.40	0.26
36944	C	4	--	1.6	43	9	261	31	<	<	10	<	<	4.3	6	34	44	<	34	28	361	4	374	2	2	<	0.55	2.86	2.80	0.46	0.25
36945	C	3	--	1.5	32	11	124	35	<	<	5	<	<	1.0	5	20	44	<	42	33	179	5	100	2	2	<	0.74	0.90	2.73	0.44	0.26
36946	C	<	--	1.4	35	13	143	29	<	<	5	<	<	1.5	6	23	42	<	29	28	182	4	108	2	2	<	0.57	0.99	2.53	0.41	0.30
36947	C	<	--	1.7	40	10	229	31	<	<	8	<	<	3.8	5	26	36	<	33	38	396	5	177	2	2	<	0.50	4.00	2.67	0.45	0.26
36948	C	<	--	2.0	54	11	390	37	<	<	11	<	<	7.5	8	44	25	<	23	34	337	5	253	2	2	<	0.46	2.29	3.32	0.33	0.26
36949	C	<	--	1.4	45	6	544	30	<	<	14	<	<	11.1	6	46	49	<	27	36	576	3	429	2	2	<	0.35	4.91	2.92	0.65	0.19
36950	C	<	--	1.4	33	9	182	32	<	<	15	<	<	3.0	5	32	29	<	35	35	401	5	201	2	2	<	0.47	2.27	3.09	0.49	0.25
36951	C	7	--	1.8	48	11	233	33	<	<	10	<	<	3.2	6	37	29	<	25	31	306	4	196	2	3	<	0.52	1.90	3.32	0.49	0.29
36952	C	<	--	1.8	46	9	171	30	<	<	6	<	<	1.3	5	29	34	<	30	32	262	5	143	2	2	<	0.46	1.52	3.44	0.58	0.24
36953	C	<	--	1.4	42	12	395	32	<	<	18	<	<	5.3	6	29	19	<	14	22	205	6	103	2	3	<	0.57	0.77	4.09	0.44	0.31
36954	C	<	--	1.3	37	8	315	22	<	<	6	<	<	4.1	6	29	31	<	21	27	241	4	205	1	2	<	0.50	1.31	2.68	0.51	0.25
36955	C	<	--	1.7	42	8	153	26	<	<	9	<	<	1.2	5	24	29	<	30	32	338	4	191	1	3	<	0.53	1.36	3.47	0.52	0.24
36956	C	<	--	1.5	52	11	203	30	<	<	5	<	<	1.6	7	33	36	<	28	43	206	5	136	1	3	<	0.83	0.91	2.97	0.50	0.29
36957	C	<	--	<	54	5	102	43	<	<	2	<	<	<	37	86	88	<	181	227	1092	22	93	8	13	0.18	3.98	1.76	6.41	4.61	0.01
36958	C	<	--	<	55	9	149	34	<	<	5	<	<	0.1	24	55	86	<	109	162	848	13	105	2	7	0.01	3.19	1.76	5.21	3.04	0.09
36959	C	82	--	<	34	13	224	29	<	<	6	<	<	2.7	11	37	84	<	48	41	1152	10	370	1	2	<	1.57	8.35	3.16	0.92	0.18
36960	C	<	--	0.2	49	16	545	32	<	<	13	<	<	6.6	10	49	71	<	45	41	950	9	367	1	2	<	1.45	7.51	3.06	0.82	0.23
36961	C	<	--	0.9	40	14	292	41	5	<	8	<	<	3.4	8	32	46	<	34	46	582	9	230	2	2	<	1.40	4.50	3.52	0.72	0.31
36962	C	<	--	13.5	171	12	399	83	<	<	65	<	<	4.3	9	48	42	391	39	34	523	7	254	1	2	<	1.12	3.92	3.18	0.60	0.32
36963	C	<	--	0.3	22	15	125	29	<	<	6	<	<	1.2	6	18	58	8	27	23	327	7	217	2	2	<	1.16	2.86	2.76	0.55	0.34
36964	C	<	--	0.2	13	11	91	21	<	<	6	<	<	1.0	4	12	95	<	35	17	417	8	266	1	1	<	1.07	3.94	2.11	0.59	0.27
36965	C	<	--	0.3	16	12	147	19	<	<	7	<	<	1.1	4	18	91	<	40	14	302	9	180	1	1	<	0.89	2.25	1.89	0.53	0.26
36966	C	<	--	0.1	38	17	520	29	5	<	21	<	<	7.2	7	45	56	<	34	27	788	7	332	1	2	<	0.57	6.50	2.24	0.47	0.22
36967	C	<	--	<	31	19	112	27	<	<	3	<	<	1.2	15	24	83	<	30	31	445	4	172	1	2	<	1.41	2.66	3.28	0.66	0.25
36968	C	<	--	<	32	12	197	26	<	<	7	<	<	2.7	12	24	73	<	39	31	708	6	354	1	1	<	1.33	5.31	3.08	0.64	0.22
36969	C	2	--	0.2	42	20	571	43	<	<	16	<	<	7.5	11	37	47	<	41	49	1071	9	481	1	2	<	1.05	8.30	3.21	0.70	0.20
36970	C	<	--	<	21	4	63	21	<	<	3	<	<	0.7	11	7	42	<	27	55	761	11	231	1	2	<	1.56	3.87	3.05	1.21	0.12
36971	C	<	--	<	22	6	66	22	<	<	2	<	<	0.6	12	7	46	<	21	71	847	14	180	2	2	<	1.91	3.16	3.41	1.57	0.07
36972	C	<	--	<	26	4	62	20	<	<	2	<	<	0.5	11	6	53	<	21	64	869	15	221	1	2	<	1.73	3.84	3.13	1.30	0.11
36973	C	<	--	<	25	7	66	30	<	<	2	<	<	0.3	13	7	69	<	19	65	681	14	111	2	2	<	2.05	1.59	3.48	1.62	0.13
36974	C	<	--	<	55	5	88	31	<	<	3	<	<	<	15	15	76	<	28	71	796	11	170	1	2	<	2.54	2.64	4.44	1.83	0.20
36975	C	<	--	0.1	20	18	128	21	<	<	7	<	<	1.3	7	17	80	<	35	21	534	6	321	1	1	<	1.00	4.99	2.21	0.57	0.23
36976	C	<	--	<	19	11	85	23	<	<	4	<	<	0.7	11	10	57	<	25	47	840	7	328	1	2	<	1.78	4.35	3.31	1.27	0.17
36977	C	<	--	<	29	5	89	23	<	<	2	<	<	0.8	13	9	49	<	19	69	833	10	253	1	2	<	2.07	3.48	3.73	1.41	0.14
36978	C	<	--	<	22	3	81	26	<	<	1	<	<	<	13	7	49	<	12	59	658	11	172	1	2	<	2.26	2.19	4.05	1.48	0.17
Min Limit		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	1000.00	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99
Method		FAAA	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

INTERNATIONAL PLASMA LABORATORY LTD

CERTIFICATE OF ANALYSIS
iPL 95I1304

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Homestake Mineral Development Co   iPL: 95I1304   Out: Sep 18, 1995   Section 2 of 2
Project: 90707   81 Core   In: Sep 13, 1995   [073817:00:31:59091895]   Certified BC Assayer: David Chiu

Sample Name		Na %	P %
36940	C	0.03	0.14
36941	C	0.02	0.09
36942	C	0.03	0.20
36943	C	0.03	0.19
36944	C	0.04	0.10
36945	C	0.05	0.12
36946	C	0.06	0.11
36947	C	0.05	0.16
36948	C	0.04	0.19
36949	C	0.03	0.11
36950	C	0.04	0.14
36951	C	0.04	0.16
36952	C	0.04	0.17
36953	C	0.03	0.11
36954	C	0.03	0.12
36955	C	0.04	0.13
36956	C	0.04	0.16
36957	C	0.04	0.29
36958	C	0.04	0.21
36959	C	0.02	0.08
36960	C	0.02	0.07
36961	C	0.02	0.18
36962	C	0.02	0.13
36963	C	0.02	0.07
36964	C	0.03	0.05
36965	C	0.02	0.05
36966	C	0.02	0.09
36967	C	0.02	0.10
36968	C	0.02	0.08
36969	C	0.02	0.10
36970	C	0.07	0.10
36971	C	0.07	0.11
36972	C	0.07	0.11
36973	C	0.07	0.11
36974	C	0.04	0.14
36975	C	0.02	0.06
36976	C	0.04	0.09
36977	C	0.05	0.11
36978	C	0.04	0.12
Min Limit		0.01	0.01
Max Reported*		5.00	5.00
Method		ICP	ICP

---=No Test Ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

CERTIFICATE OF ANALYSIS
iPL 95I1304

INTERNATIONAL PLASMA LABORATORY LTD
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Homestake Mineral Development Co   iPL: 95I1304   Out: Sep 18, 1995   Page 3 of 3   Section 1 of 2
Project: 90707   81 Core   In: Sep 13, 1995   [073817:00:35:59091895]   Certified BC Assayer: David Chiu

Sample Name		Au ppb	Au g/mt	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %
36979	C	<	--	<	38	4	93	30	<	<	3	<	<	0.1	15	36	41	<	76	104	952	9	345	1	4	<	2.45	4.75	4.31	1.79	0.12
36980	C	<	--	<	52	7	110	34	<	<	4	<	<	0.1	15	28	59	<	47	76	680	8	194	1	2	<	2.42	3.06	4.41	1.57	0.20
36981	C	<	--	4.1	59	6	88	32	<	<	12	<	<	0.9	11	22	60	59	34	56	716	5	318	1	2	<	1.18	4.82	2.39	0.81	0.11
Min Limit		2	0.07	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	1000.00	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99
Method		FAAA	FAGrav	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

CERTIFICATE OF ANALYSIS
iPL 95I1304

INTERNATIONAL PLASMA LABORATORY LTD

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Homestake Mineral Development Co   iPL: 95I1304   Out: Sep 18, 1995   Section 2 of 2
Project: 90707   81 Core   In: Sep 13, 1995   [073817:00:39:59091895]   Certified BC Assayer: David Chiu

Sample Name		Na %	P %
36979	C	0.03	0.17
36980	C	0.02	0.17
36981	C	0.02	0.09

	Na	P
Min Limit	0.01	0.01
Max Reported*	5.00	5.00
Method	ICP	ICP

---=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

iPL
INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 95H2901

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Homestake Mineral Development Co 18 Samples 0= Rock 0= Soil 18= Core 0=RC Ct 0= Pulp 0=Other [065917:39:24:59090595]
Out: Sep 03, 1995 Project: 90707 Raw Storage: -- -- 03Mon/Dis -- -- -- Mon=Month Dis=Discard
In : Aug 29, 1995 Shipper: C. Baldys Pulp Storage: -- -- 12Mon/Dis -- -- -- Rtn=Return Arc=Archive
PO#: Shipment: ID=C034305
Msg: Au(FA/AAS 30g) ICP(AqR)30
Msg:

Document Distribution

1 Homestake Canada Inc — EN 1, RT 2, CC 2, IN 2, FX 1
1000 - 700 W Pender St
Vancouver — DL 0, 3D 0, 5D 0, BT 1, BL 0
BC V6C 1G8

ATT: Ron Britten/Dave Kuran Ph:604/684-2345
Fx:604/684-9831

2 Homestake Canada Inc — EN 2, RT 2, CC 0, IN 0, FX 1
c/o Joy McLeod - #1 Airport Way
Smithers — DL 0, 3D 0, 5D 0, BT 0, BL 0
BC
Canada
ATT: C. Baldys/Andrew Kaip Ph:604/521/7361
Fx:604/526/5941

Analytical Summary

##	Code	Method	Title	Limit Low	Limit High	Units	Description	Element	##
01	313P	FAAA	Au	2	9999	ppb	Au FA/AAS finish 30g	Gold	01
02	721P	ICP	Ag	0.1	100	ppm	Ag ICP	Silver	02
03	711P	ICP	Cu	1	20000	ppm	Cu ICP	Copper	03
04	714P	ICP	Pb	2	20000	ppm	Pb ICP	Lead	04
05	730P	ICP	Zn	1	20000	ppm	Zn ICP	Zinc	05
06	703P	ICP	As	5	9999	ppm	As ICP 5 ppm	Arsenic	06
07	702P	ICP	Sb	5	9999	ppm	Sb ICP	Antimony	07
08	732P	ICP	Hg	3	9999	ppm	Hg ICP	Mercury	08
09	717P	ICP	Mo	1	9999	ppm	Mo ICP	Molydenum	09
10	747P	ICP	Tl	10	999	ppm	Tl ICP 10 ppm (Incomplete	Thallium	10
11	705P	ICP	Bi	2	999	ppm	Bi ICP	Bismuth	11
12	707P	ICP	Cd	0.1	100	ppm	Cd ICP	Cadmium	12
13	710P	ICP	Co	1	999	ppm	Co ICP	Cobalt	13
14	718P	ICP	Ni	1	999	ppm	Ni ICP	Nickel	14
15	704P	ICP	Ba	2	9999	ppm	Ba ICP (Incomplete Digest	Barium	15
16	727P	ICP	W	5	999	ppm	W ICP (Incomplete Digest	Tungsten	16
17	709P	ICP	Cr	1	9999	ppm	Cr ICP (Incomplete Digest	Chromium	17
18	729P	ICP	V	2	999	ppm	V ICP	Vanadium	18
19	716P	ICP	Mn	1	9999	ppm	Mn ICP	Manganese	19
20	713P	ICP	La	2	9999	ppm	La ICP (Incomplete Digest	Lanthanum	20
21	723P	ICP	Sr	1	9999	ppm	Sr ICP (Incomplete Digest	Strontium	21
22	731P	ICP	Zr	1	999	ppm	Zr ICP	Zirconium	22
23	736P	ICP	Sc	1	99	ppm	Sc ICP	Scandium	23
24	726P	ICP	Ti	0.01	1.00	%	Ti ICP (Incomplete Digest	Titanium	24
25	701P	ICP	Al	0.01	9.99	%	Al ICP (Incomplete Digest	Aluminum	25
26	708P	ICP	Ca	0.01	9.99	%	Ca ICP (Incomplete Digest	Calcium	26
27	712P	ICP	Fe	0.01	9.99	%	Fe ICP	Iron	27
28	715P	ICP	Mg	0.01	9.99	%	Mg ICP (Incomplete Digest	Magnesium	28
29	720P	ICP	K	0.01	9.99	%	K ICP (Incomplete Digest	Potassium	29
30	722P	ICP	Na	0.01	5.00	%	Na ICP (Incomplete Digest	Sodium	30
31	719P	ICP	P	0.01	5.00	%	P ICP	Phosphorus	31

EN=Envelope # RT=Report Style CC=Copies IN=Invoices FX=Fax(1=Yes 0=No)
DL=DownLoad 3D=3-1/2 Disk 5D=5-1/4 Disk BT=BBS Type BL=BBS(1=Yes 0=No) Totals: 2=Copy 2=Invoice 0=3-1/2 Disk 0=5-1/4 Disk

iPL
INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 95H2901

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client: Homestake Mineral Development Co   iPL: 95H2901   Out: Sep 03, 1995   In: Aug 29, 1995
Project: 90707   18 Core   [065917:39:29:59090595]

Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
20910	C	7	0.4	57	18	674	217	9	<	34	<	2	6.2	11	103	42	<	38	22	422	3	233	2	2	<	0.34	3.80	3.70	0.70	0.22	0.04	0.08
20911	C	25	1.0	70	15	863	215	8	<	28	<	<	7.3	13	122	54	<	19	41	219	2	108	2	3	<	0.41	1.03	3.42	0.61	0.25	0.05	0.05
20912	C	<	1.0	75	14	1679	68	7	<	28	<	<	15.5	11	112	39	<	31	57	272	3	146	2	3	<	0.56	1.62	3.71	0.82	0.25	0.05	0.08
20913	C	11	0.9	81	19	1286	77	7	<	39	<	<	11.6	13	110	36	<	20	68	184	4	99	2	3	<	0.93	0.82	3.45	0.62	0.26	0.06	0.07
20914	C	12	0.8	63	17	719	43	7	<	22	<	<	6.4	13	101	50	<	27	56	108	3	96	2	3	<	1.26	0.79	3.42	0.77	0.27	0.06	0.05
20915	C	10	0.5	57	12	679	52	<	<	24	<	<	7.4	11	78	52	<	21	49	358	4	145	3	3	<	1.14	2.99	3.25	0.74	0.24	0.06	0.07
20916	C	<	<	35	7	274	31	<	<	26	<	<	3.5	6	48	60	<	13	25	940	8	238	3	4	<	0.44	8.94	2.10	0.37	0.23	0.04	0.08
20917	C	12	0.3	40	9	320	41	<	<	28	<	<	4.0	7	58	47	<	12	29	563	6	179	2	3	<	0.53	5.32	2.60	0.44	0.22	0.05	0.09
20918	C	<	0.5	48	11	437	35	<	<	30	<	<	5.0	9	63	42	<	15	36	496	5	162	2	3	<	0.67	4.26	2.89	0.57	0.22	0.05	0.09
20919	C	5	0.3	65	16	494	49	<	<	12	<	<	4.6	15	110	32	<	31	47	240	8	127	3	3	<	1.33	1.91	4.11	0.81	0.26	0.06	0.18
20920	C	3	0.2	58	18	206	34	<	<	13	<	<	1.4	16	122	47	<	38	39	245	3	106	2	3	<	1.46	1.27	3.71	0.88	0.28	0.06	0.05
20921	C	3	0.8	74	15	825	51	5	<	10	<	<	9.6	16	120	35	<	36	53	270	7	148	2	3	<	1.33	2.13	4.08	0.82	0.28	0.06	0.14
20922	C	2	1.1	84	15	1716	35	<	<	30	<	<	19.3	13	107	43	<	25	58	211	3	140	2	3	<	1.11	1.38	3.41	0.71	0.27	0.05	0.07
20923	C	6	<	32	8	252	33	<	<	28	<	<	2.7	6	46	68	<	13	29	726	6	409	3	3	<	0.41	12%	2.40	0.53	0.20	0.03	0.09
20924	C	<	0.5	31	12	250	24	<	<	26	<	<	2.7	6	41	58	<	16	18	395	7	203	2	3	<	0.37	4.33	2.25	0.58	0.24	0.04	0.08
20925	C	7	0.9	31	12	223	41	<	<	10	<	<	3.0	8	23	47	<	21	28	296	9	150	2	2	<	0.64	2.47	2.94	0.48	0.23	0.05	0.12
20926	C	5	1.4	48	11	278	43	<	<	9	<	<	2.1	10	26	42	<	34	46	245	7	97	2	2	<	1.30	1.11	4.02	0.81	0.24	0.05	0.13
20927	C	10	1.6	64	11	217	55	<	<	5	<	<	0.6	11	31	34	<	31	37	282	6	136	2	3	<	0.95	1.50	4.15	0.76	0.26	0.05	0.11
Min Limit		2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	9999	9999	999	999	99.9	999	999	9999	999	9999	999	9999	9999	9999	999	99	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

--=No Test ins=Insufficient Sample S=Soil R=Rock C=Core L=Silt P=Pulp U=Undefined m=Estimate/1000 %=Estimate % Max=No Estimate

8 STATEMENT OF QUALIFICATIONS

I, Keith M. Patterson, of 2828 West 6th Avenue, Vancouver, British Columbia, do hereby certify that:

1. I am presently employed by Homestake Canada Inc. of 1000-700 West Pender Street, Vancouver, British Columbia as a Geologist.

2. *I am a graduate of the University of British Columbia* (1994), *and hold a* B.A.Sc. from the mineral exploration option of the geological engineering program within the faculty of Applied Science.

3. I am currently registered as an Engineer in Training with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

4. I have no interest in the property described herein, nor in the securities of any company associated with the property, nor do I expect to acquire any such interest.

Signed at Vancouver, British Columbia this 20 day of October, 1995

KEITH M. PATTERSON, B.A.Sc.

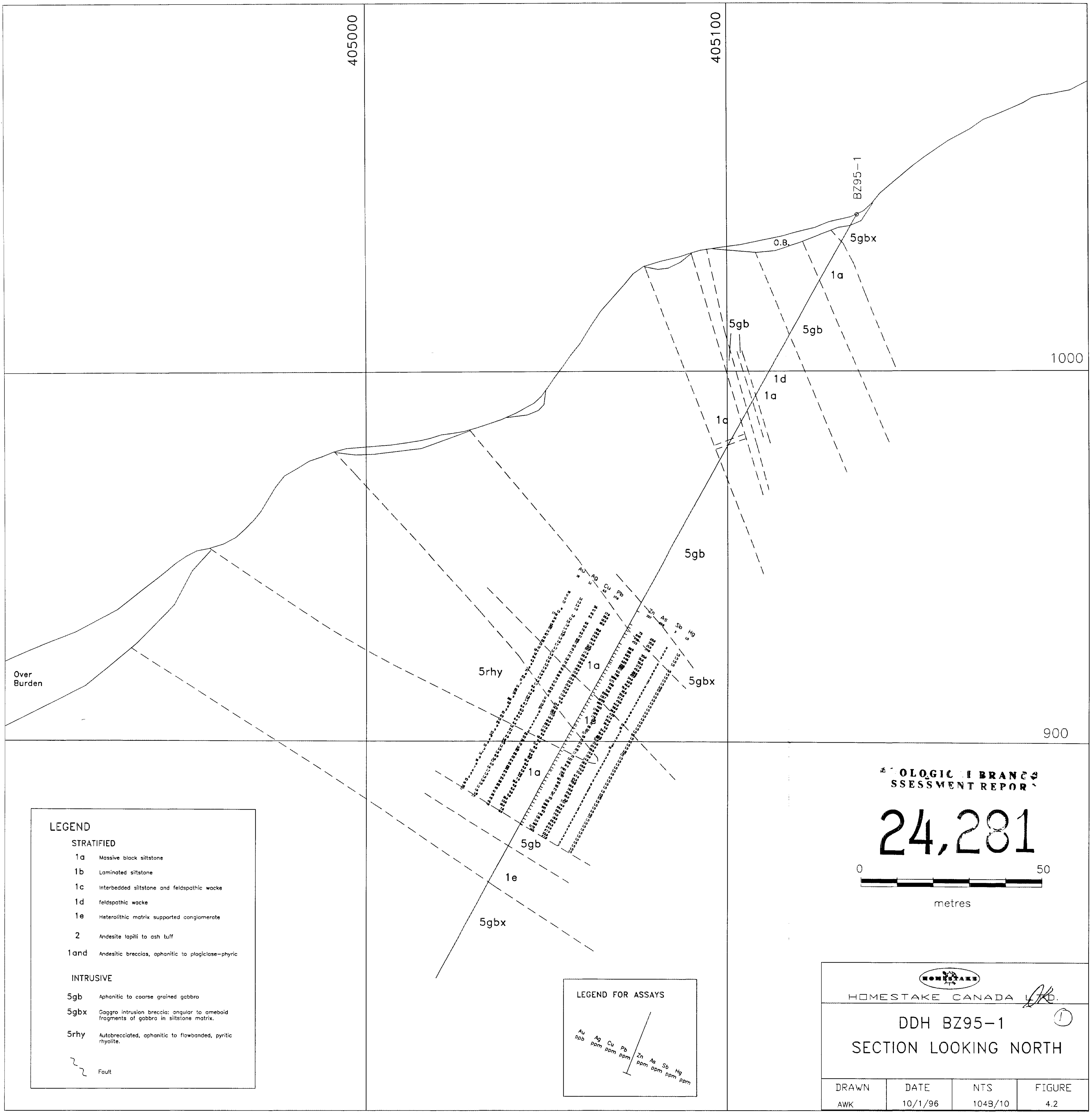
STATEMENT OF QUALIFICATIONS

I, Christopher Baldys, P. Eng., of 20699 - 120 B Avenue #13, Maple Ridge, BC, certifies that:

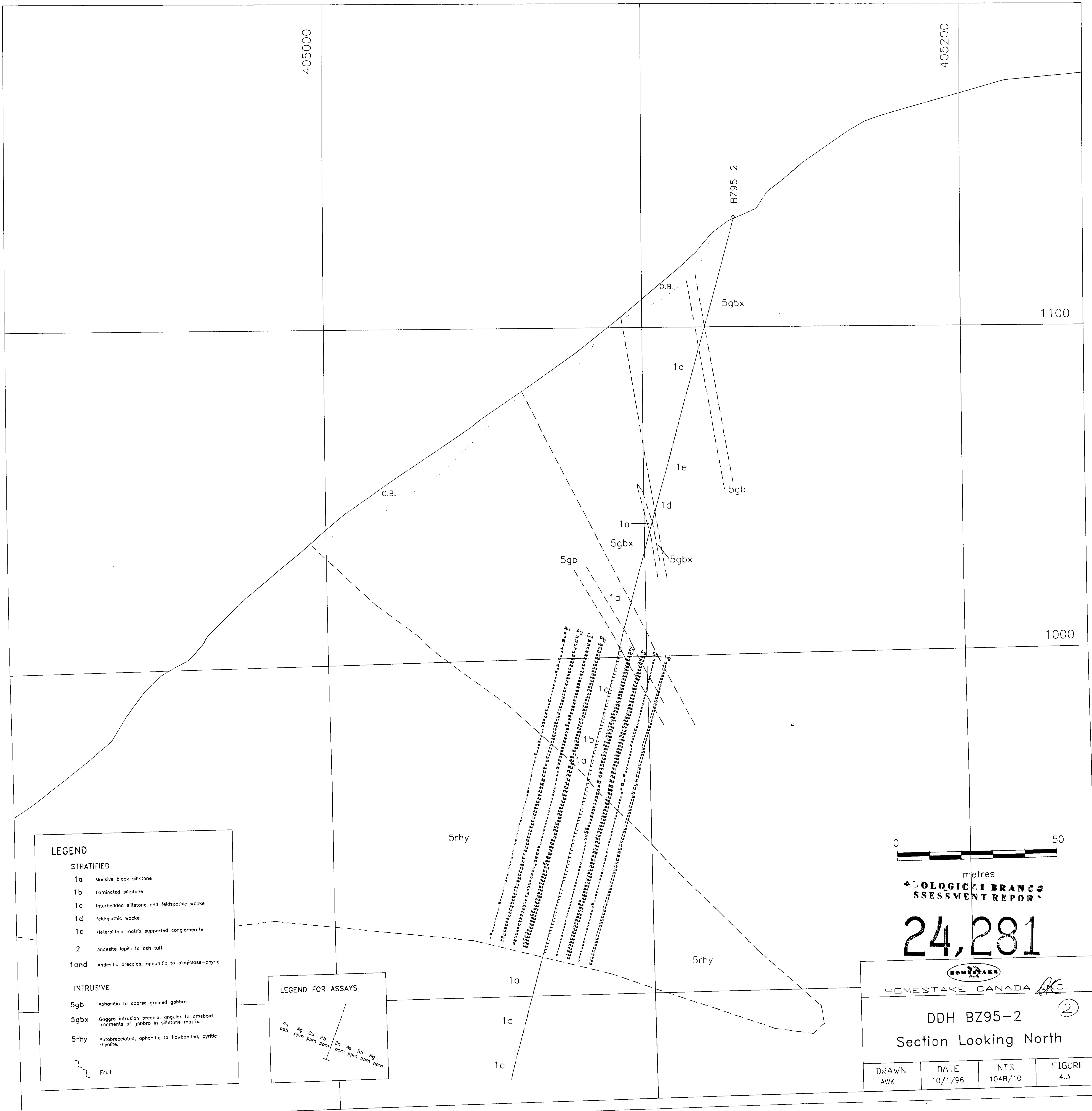
(i) I am a graduate of Academy of Mining and Metallurgy in Cracow, with a Magister Degree in Engineering in Mining Geology, 1980.

(ii) I am a member of Geological Association of Canada and the Association of Professional Engineers and Geoscientists of British Columbia.

(iii) I have worked for 3 years in mining geology in Poland and for 9 years in exploration and mining in North American Cordillera.



405000
405100
BZ95-1
O.B.
5gbx
1a
5gb
5gb
1000
1d
1a
1a
5gb
Au
Ag
Cu
Pb
Zn
As
Sb
Hg
1a
5rhy
5gbx
1e
900
1a
5gb
1e
5gbx
Over
Burden
OLOGIC BRANC
SSESSMENT REPOR
24,281
0
50
metres
LEGEND
STRATIFIED
1a Massive black siltstone
1b Laminated siltstone
1c Interbedded siltstone and feldspathic wacke
1d feldspathic wacke
1e Heterolithic matrix supported conglomerate
2 Andesite lapilli to ash tuff
1and Andesitic breccias, aphanitic to plagioclase-phyric
INTRUSIVE
5gb Aphanitic to coarse grained gabbro
5gbx Gaggro intrusion breccia: angular to ameboid fragments of gabbro in siltstone matrix.
5rhy Autobrecciated, aphanitic to flowbanded, pyritic rhyolite.
Fault
LEGEND FOR ASSAYS
Au ppb
Ag ppm
Cu ppm
Pb ppm
Zn ppm
As ppm
Sb ppm
Hg ppm
HOMESTAKE
HOMESTAKE CANADA LTD.
DDH BZ95-1
SECTION LOOKING NORTH
DRAWN
AWK
DATE
10/1/96
NTS
104B/10
FIGURE
4.2

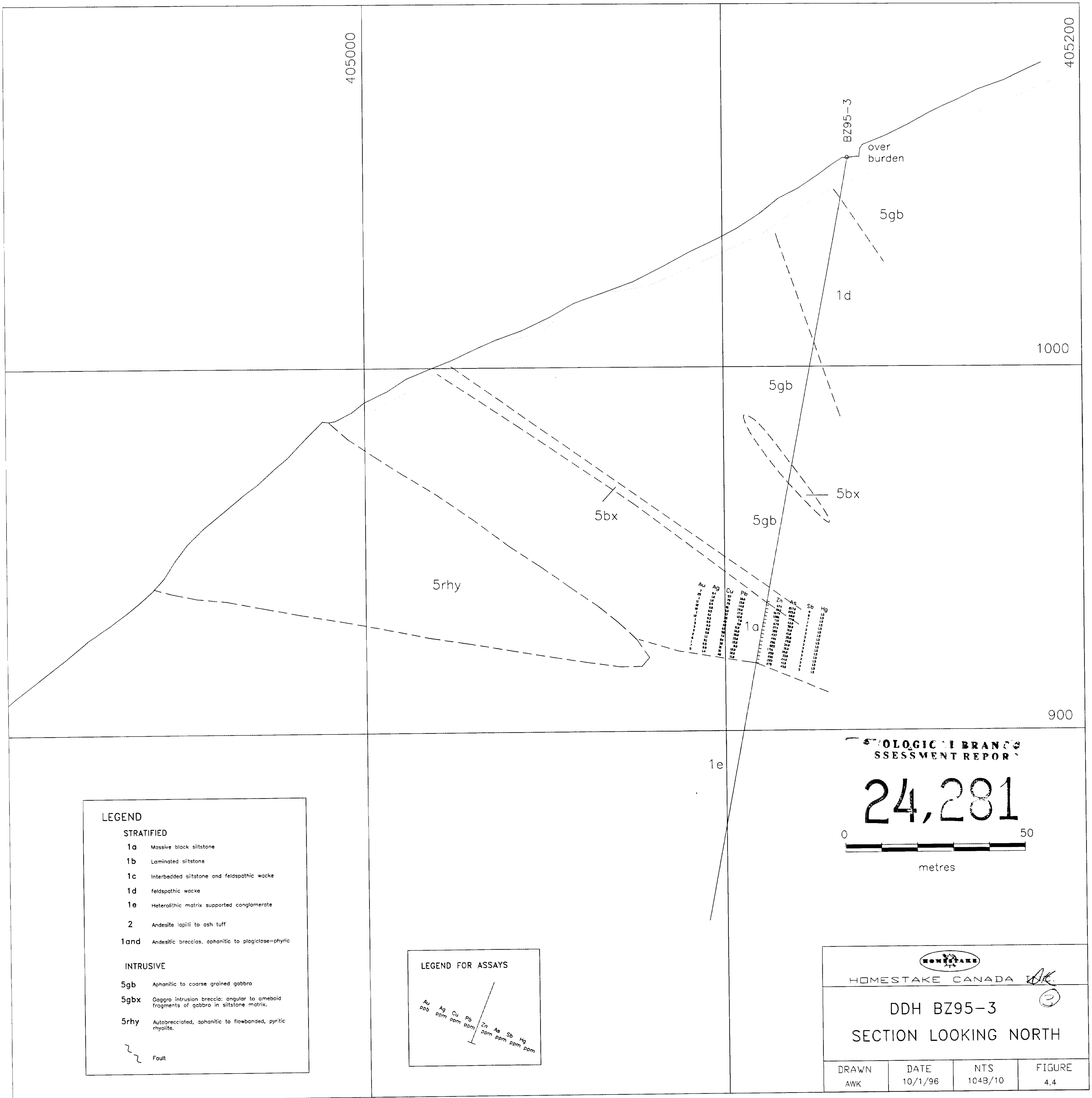


HOMESTAKE CANADA INC.

DDH BZ95-2

Section Looking North

DRAWN	DATE	NTS	FIGURE
AWK	10/1/96	104B/10	4.3



GEOLOGICAL BRANCH
ASSESSMENT REPORT

24,281

LEGEND

STRATIFIED

1a	Massive black siltstone
1b	Laminated siltstone
1c	Interbedded siltstone and feldspathic wacke
1d	feldspathic wacke
1e	Heterolithic matrix supported conglomerate
2	Andesite lapilli to ash tuff
1and	Andesitic breccias, aphanitic to plagioclase-phyric

INTRUSIVE

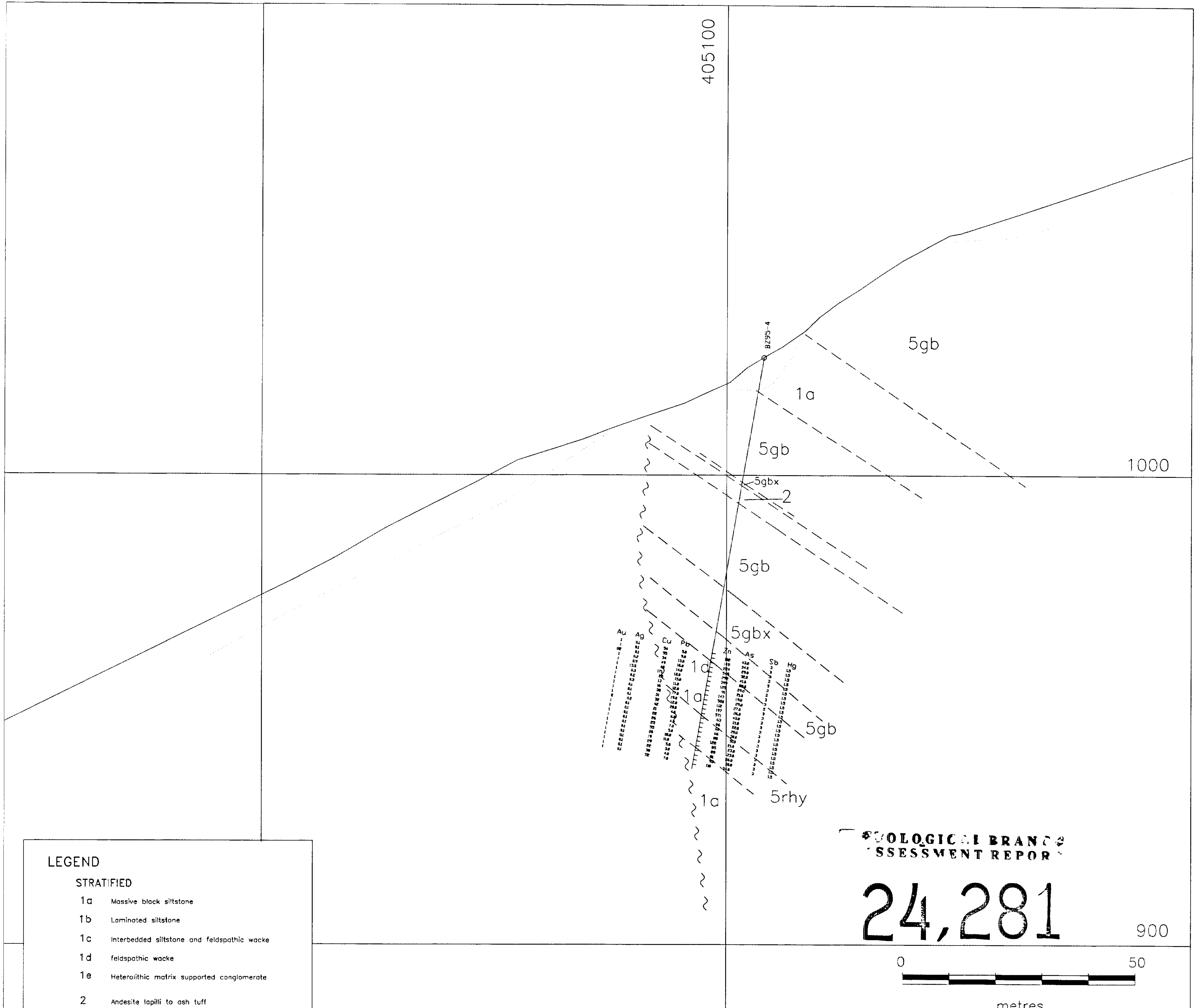
5gb	Aphanitic to coarse grained gabbro
5gbx	Gaggro intrusion breccia: angular to ameboid fragments of gabbro in siltstone matrix.
5rhy	Autobrecciated, aphanitic to flowbanded, pyritic rhyolite.
	Fault

HOMESTAKE CANADA INC.

DDH BZ95-3

SECTION LOOKING NORTH

DRAWN	DATE	NTS	FIGURE
AWK	10/1/96	104B/10	4.4



LEGEND

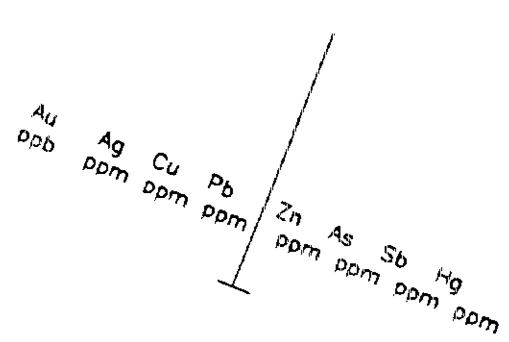
STRATIFIED

1a Massive black siltstone
1b Laminated siltstone
1c Interbedded siltstone and feldspathic wacke
1d feldspathic wacke
1e Heterolithic matrix supported conglomerate
2 Andesite lapilli to ash tuff
1and Andesitic breccias, aphanitic to plagioclase-phyric

INTRUSIVE

5gb Aphanitic to coarse grained gabbro
5gbx Gaggro intrusion breccia: angular to ameboid fragments of gabbro in siltstone matrix.
5rhy Autobrecciated, aphanitic to flowbanded, pyritic rhyolite.
Fault

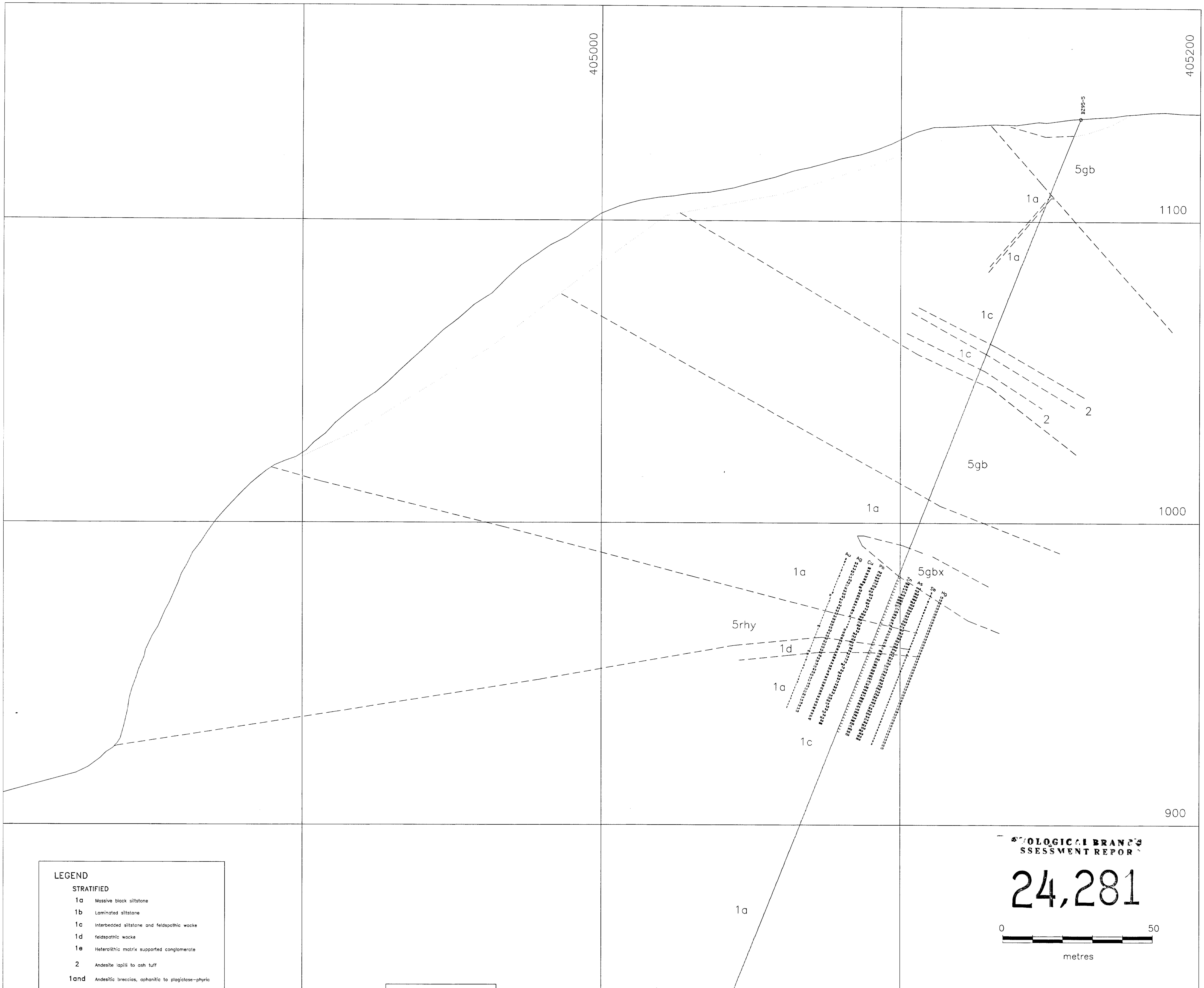
LEGEND FOR ASSAYS



HOMESTAKE
HOMESTAKE CANADA INC.

DDH BZ95-4
SECTION LOOKING NORTH

DRAWN	DATE	NTS	FIGURE
AWK	10/1/96	104B/10	4.5



HOMESTAKE CANADA INC.

(5)

DDH BZ95-5
SECTION LOOKING NORTH

DRAWN	DATE	NTS	FIGURE
AWK	10/1/96	104B/10	4.6