ASSESSMENT REPORT

TREATY CREEK PROPERTY

1994 EXPLORATION PROGRAM

VOLUME I OF II

SKEENA MINING DIVISION

NTS: 104B/9E
LATITUDE: 56° 25'
LONGITUDE: 130° 07'

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
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D.L. Kuran, P. Geol

November 29, 1994

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

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EXECUTIVE SUMMARY

The Treaty Creek property is located within the Skeena Mining Division in northwestern British Columbia, approximately 80 km north-northwest of Stewart, British Columbia (Figure 1.1). The claims lie on NTS map sheet 104B/9 and are centred at latitude 56° 35'N, longitude 130° 07'W. Access to the property is by helicopter from the Eskay Creek mine site approximately 20 km to the west-northwest.

The Treaty Creek property consists of 26 located claims totalling 310 units, owned by Teuton Resources Corp. and operated by Prime Resources Group Inc. Prime currently has an option to earn 60% interest in the claims over a six year period.

The property is situated along the east limb of the McTagg anticline and is underlain by volcanic, sedimentary rocks of the Upper Triassic Stuhini Group and the Jurassic Hazelton Group which are intruded by orthoclase porphyry, monzonite, diorite and felsic intrusions. To the north and east of the property are sedimentary rocks of the Middle Jurassic Bowser Lake Group. To the south Hazelton Group strata is in fault contact with the Bowser Lake Group along the east vergent Sulphurets Thrust Fault. In general, stratigraphy on the property youngs from west to east with local variation caused by minor folding and faulting.

Four main alteration zones are exposed on the Treaty Creek property. These include: the Treaty Nunatak, West Nunatak, Orpiment Zone and GR-2 zone. Alteration is dominated by chlorite, sericite, kaolinite, pyrophyllite and silicification with abundant quartz and pyrite and lesser calcite and alunite. Although spatially separate, the four main areas of alteration on the Treaty Creek property are considered to be different expressions of hydrothermal activity within an epithermal environment. Kaolinite, pyrophyllite, silicification, alunite and native sulphur within the Orpiment zone and Main Gossan are characteristic of high-sulphidation environment. Quartz-carbonate-barite veins hosting base metal mineralization within zones of sericite+quartz+pyrite and Fe-carbonate+sericite+pyrite alteration, within the GR-2 and Ridge zones, are characteristic of low-sulphidation environments. The Eureka zone and Goat Trail zone are likely transitional between these two environments.

Factors contributing to gold mineralization include: sulphide mineralogy, veining and alteration. Gold is associated with pyrite mineralization and to a lesser extent tetrahedrite, chalcopyrite, galena and sphalerite. Auriferous styles of alteration include: sericite+quartz+pyrite, silicification, kaolinite+quartz+pyrite and skarn like alteration comprising chlorite+epidote+calcite+magnetite. Locally hematization appears to be an important factor in gold mineralization. Types of auriferous veining include pyrite, quartz-pyrite and quartz-carbonate-barite.

The trenching program was completed during the first phase of the exploration program, between July 1 and July 21, 1994. Trenching concentrated on extending the Eureka zone northward from the 1993 discovery trench (TR93-11) and evaluating sub-parallel structures with alteration similar to that exposed in the discovery trench. Eleven trenches totalling 90 metres were developed along 360 metres of strike length. A total of 60 chip samples taken during the program. Re-sampling of the discovery trench returned 3.44 gpt Au over 10.5 metres.

Phase two of the exploration program concentrated on evaluating the extent of mineralization beneath the Eureka and Orpiment zones. Seven diamond drill holes totalling 635 metres were drilled on the Eureka zone and a single drill hole, TC94-8, totalling 231.5 metres was collared at the base of the Orpiment zone. Samples collected from core at the Eureka Zone are anomalous but sub-economic in gold with the highest values obtained from TC94-1 which assayed 1.96 gpt Au over 4 metres. As a result of poor ground conditions and thick moraine, drilling did not fully test the strike extent of mineralization in the Eureka zone. Drill holes TC94-2 and 3 intersected the main portion of the down dip projection of the highest grade portion of the zone and returned gold values slightly lower than obtained in the trenches on surface. Drill holes TC94-1, 6 and 7 had to be abandoned short of their targets due to poor ground conditions and TC94-4 was abandoned in moraine.

Results from the 1994 program identified two zones with potential to host precious metal mineralization. Surface exploration and diamond drilling on the Eureka zone has outlined a zone of >500 ppb Au mineralization centred around the discovery trench TR93-11 extending northeast to drill hole TC94-2 and southwest towards drill holes TC94-6 and 7. The altered zone measures approximately 130 metres along strike and dips moderately to the southeast where it is open at depth. The zone may plunge to the northeast as it was not intersected in hole 94TC94-5. The strike potential of the Eureka zone is limited to the southwest where it is interpreted to be truncated by the northwest striking Gossan Fault. To the northeast the Eureka zone appears to narrow into two zones of sericite+quartz+pyrite alteration with anomalous but sub-economic gold mineralization observed in trenches TR94-8 and 9 and in drill hole TC94-5.

Surface sampling on the Goat Trail zone identified a zone of greater than 1 gpt Au mineralization within a sericite+quartz+pyrite alteration zone which measures 750 metres long and 300 metres wide. Gold mineralization within the Goat Trail zone is hosted by pyrite veining, pods of massive pyrite and kaolinite+quartz+pyrite alteration within fault zones.

Surface mapping and rock sampling on the Orpiment zone identified a central core of barren silicification with pyritic margins which was anomalous in gold and mercury.

A single diamond drill hole was located at the base of the Orpiment zone and intersected barren silicification.
Assay values from the entire hole were sub anomalous averaging less than 600 ppb Au.

Additional work is required to fully test the gold bearing potential of the Eureka and Goat Trail zones. Further work should include: Trenching on the Goat Trail zone over its entire strike length, geophysical survey including EM and MAG on the Eureka zone and Goat Trail zone. Pending positive results from trenching and geophysical surveys the Goat Trail zone and possibly the Eureka zone could be drilled.

1.0 INTRODUCTION

1.1 Location and Access

The Treaty Creek property is located within the Skeena Mining Division in northwestern British Columbia, approximately 80 km north-northwest of Stewart, British Columbia (Figure 1.1). The claims lie on NTS map sheet 104B/9 and are centred at latitude 56° 35'N, longitude 130° 07'W. Access to the property is by helicopter from the Eskay Creek mine site approximately 20 km to the west-northwest.

1.2 Land Status

The Treaty Creek property consists of 26 four post, located claims totalling 310 units and recorded in the Skeena Mining Division (Table 1.1, Figure 1.2). The property is owned by Teuton Resources Corp. and operated by Prime Resources Group Inc. Prime currently has an option to earn 60% interest in the claims over a six year period.

1.3 Physiography

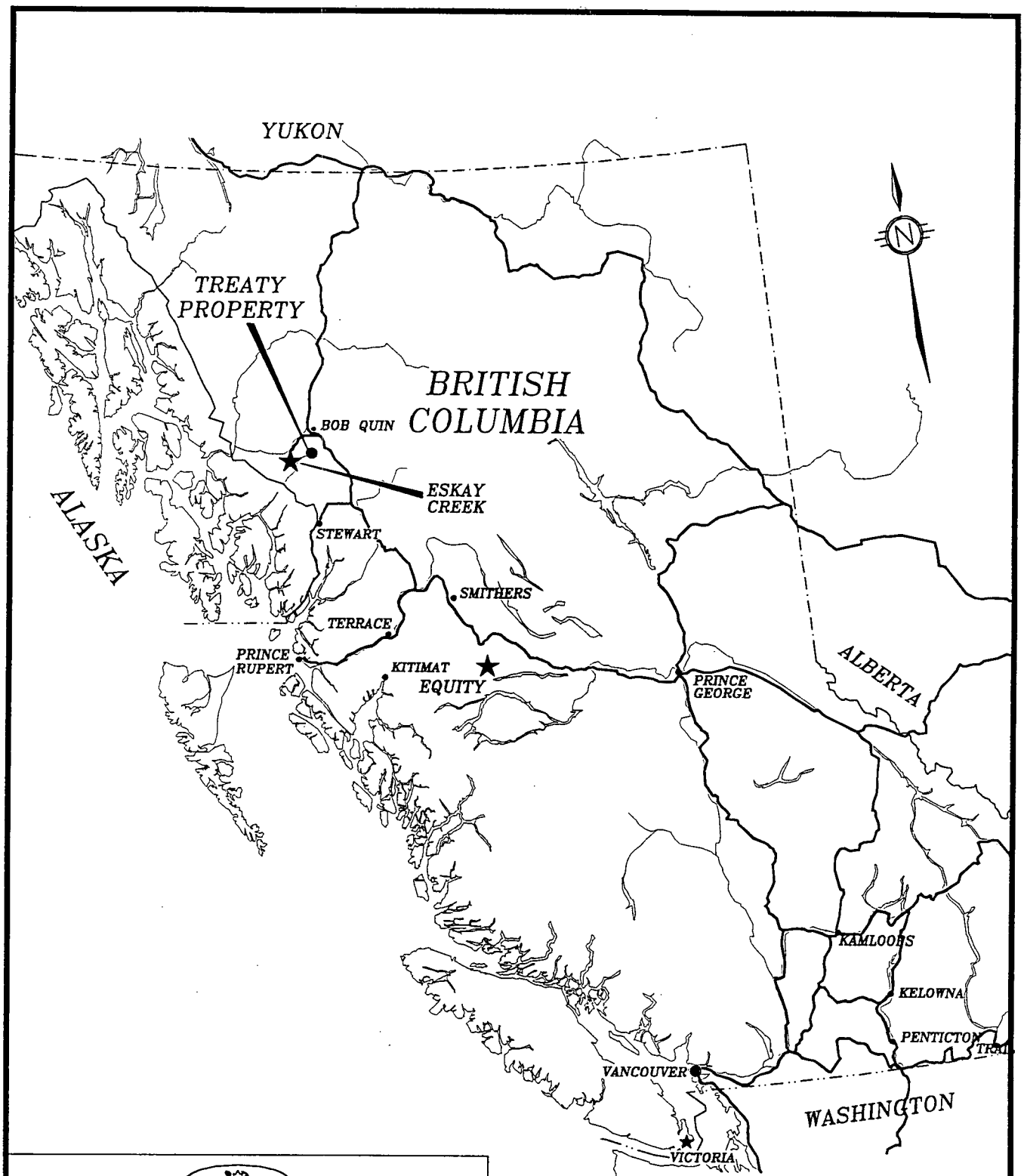
The Treaty Creek property lies within the Boundary Ranges of the Coast Mountains in northwestern British Columbia. The property occupies the area surrounding the Atkins, Treaty and South Treaty glaciers and southward to Mitchell glacier (Figure 1.2). Local topographic relief is moderate to very steep with elevations ranging from 1500 metres in the valleys on the east margin of the property up to 2175 metres on the peaks to the west.

The area is characteristic of alpine glaciated physiography with large valley glaciers flanked by steep rugged mountains capped by glaciers, cirques and deeply incised upland drainages. Rock exposure is best along ridge tops and in areas with little moraine cover.

Vegetation consists mainly of isolated patches of scrub alpine, spruce, juniper, and a variety of alpine grasses overlying extensive felsenmeer. The low lying areas are vegetated by mountain hemlock and balsam.

1.4 Exploration History

The Treaty Gossan was initially discovered and staked by Knipple and Williams in 1928. Consolidated Mining and Smelting Co. optioned the property the same year and after initial prospecting let the option lapse. In 1953 Williams and Knipple returned to the Treaty area and discovered a narrow silver-rich vein at the southwest corner of the nunatak and tetrahedrite-rich boulders on the Treaty glacier; no source for the float was identified. Prospecting by several companies between 1953 and 1980 on the property failed to identify significant mineralization.



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TREATY PROPERTY

LOCATION & ACCESS MAP

DRAWN	DATE	NTS	FIGURE
KMP	Nov. 1994	104B/9	1.1

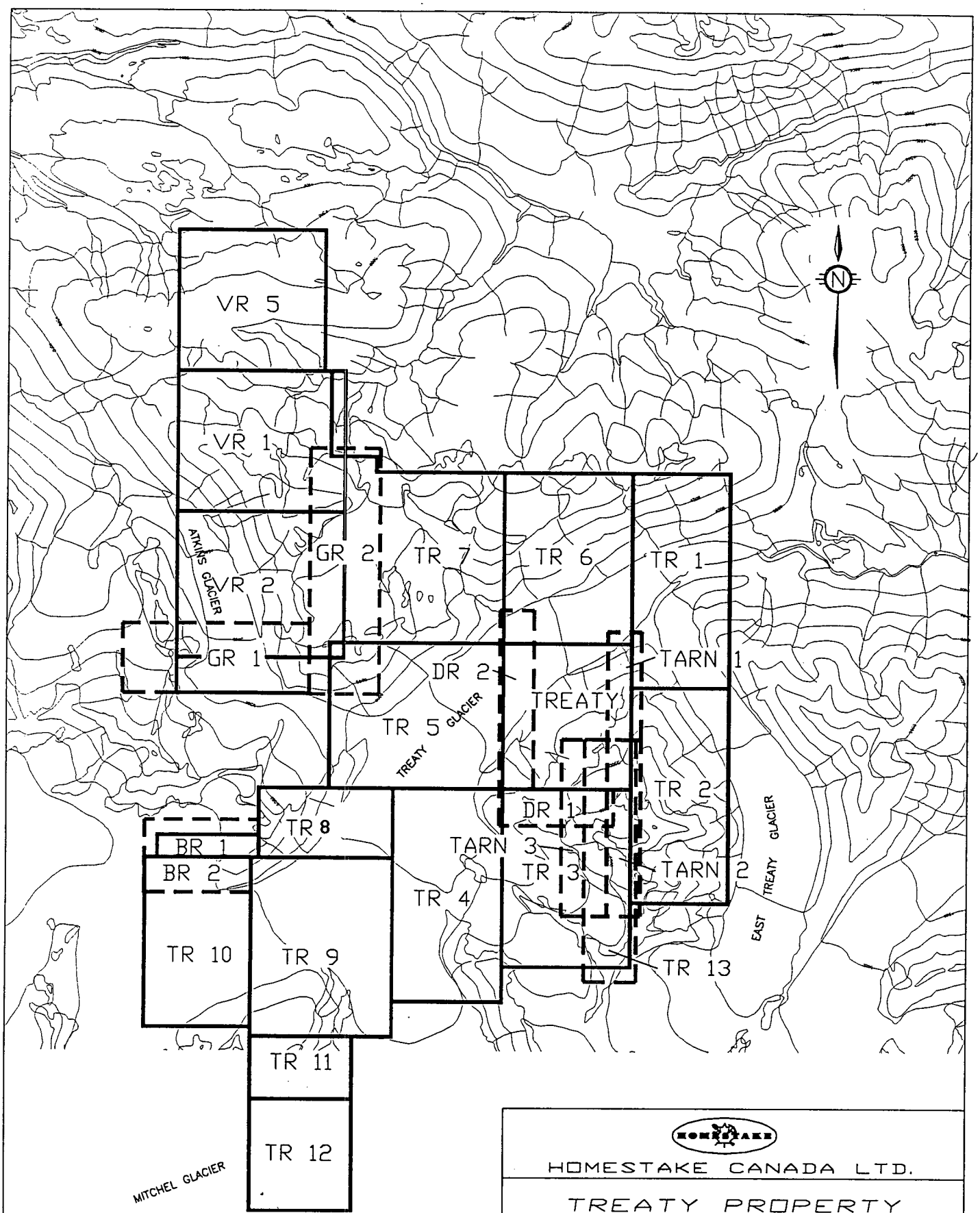
I:\104B\104BPROP\TREATY\DIAGRAMS\BCACCLOC.DWG

Table 1.1 Located Claims

Record Number	Claim Name	Units	Record date Year/month/day	Expiry Date* Year/month/day
250847	TREATY	12	1980.01.09	2001.01.09
251225	TR 1	18	1985.09.30	1999.09.30
251226	TR 2	18	1985.09.30	1999.09.30
251227	TR 3	15	1985.09.30	1999.09.30
251228	TR 4	18	1985.09.30	1999.09.30
251229	TR 5	20	1985.09.30	2000.09.30
251230	TR 6	15	1985.09.30	2000.09.30
251231	TR 7	20	1985.09.30	2000.09.30
251232	TR 8	8	1985.09.30	2001.09.30
251233	TR 9	20	1985.09.30	1999.09.30
251234	TR 10	15	1985.09.30	1999.09.30
251235	TR 11	6	1985.09.30	1999.09.30
251236	TR 12	9	1985.09.30	1999.09.30
251881	VR 1	20	1987.05.25	1999.05.25
251882	VR 2	20	1987.05.25	1999.05.25
251884	VR 5	16	1987.05.25	1999.05.25
252439	BR 1	3	1989.02.10	1999.02.10
252440	BR 2	3	1989.02.10	1999.02.10
252445	DR 1	4	1989.02.10	1999.02.10
252446	DR 2	5	1989.02.10	1999.02.10
252473	GR 1	10	1989.02.10	2000.02.10
252474	GR 2	14	1989.02.10	2000.02.10
253737	TARN 1	3	1989.04.07	1999.04.07
252728	TARN 2	5	1989.04.07	1999.04.07
252729	TARN 3	5	1989.04.07	1999.04.07
252979	TR 13	8	1989.08.06	1999.08.06
Total		310		

* Expiry dates indicated are based on government approval of the report.

In 1981 E&B Explorations optioned the property from E.Kurchkowski and carried out a program of regional prospecting and geological mapping. No significant mineralization was discovered.



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TREATY PROPERTY

CLAIM LOCATION MAP

DRAWN	DATE	NTS	FIGURE
KMP	Nov. 1994	104B/9	1.2

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In 1984 Teuton Resources Corp. acquired the claims and carried out prospecting in the area. During 1985 and 1986, Teuton Resources Corp. continued exploring the Treaty area with programs consisting of mapping, prospecting and silt sampling. In 1987 persistence was rewarded with the discovery of the Konkin zone on the West Nunatak which returned 28 oz/ton Au over 1.2 metres. This discovery enabled Teuton to carry out blast trenching, rock sampling, grid controlled soil sampling and diamond drilling, on the West Nunatak, during 1987 and 1988.

In 1989 the property was optioned by Tantalus Resources. From 1989 to 1992 Tantalus carried out mapping, trenching, diamond drilling, sampling and geophysics on the West Nunatak, Treaty Nunatak and Orpiment zones. These efforts culminated in the discovery of the AW-Ridge and Goat Trail zones on the West Nunatak and the Mama Susu zone on the GR-2 claims. Between 1987 and 1992 a total of 1437 m were drilled in 18 diamond drill holes on the Konkin, AW, Goat Trail and GR-2 zones.

In 1993 the Eureka zone was discovered on the Treaty Nunatak. The zone comprises a core of silicification within advanced argillic alteration which returned 0.135 oz/t over 9.1 metres including 0.272 oz/t over 1.6 metres.

1.5 1994 Exploration Program

Prime Resources Group Inc. optioned the Treaty Creek property in June, 1994 and completed a two-stage program of 1:5,000 and 1:2,500 scale geological mapping, 90 metres of blast trenching in 11 trenches and 8 diamond drill holes totalling 866.42 metres. During the program 206 rock samples and 9 whole rock geochemistry samples were collected on surface and a total 596 core samples were collected for analysis.

The first stage comprised 1:5,000 scale mapping of the Treaty Nunatak and 1:2,500 scale mapping, trenching and rock sampling of the Main Gossan and the Orpiment zone. A total of 60 chip samples were taken from 11 trenches which traced the Eureka zone over 370 metres of strike length. A total of 9.7 km of grid was re-established on the Main Gossan and 1.2 km of new grid developed on the Eureka zone to assist in geological mapping and rock sampling. Work concentrated on testing the mineral potential of the Eureka zone identified during 1993.

Stage 2 of the program involved drilling seven holes totalling 634.92 metres on the Eureka zone and one hole totalling 231.5 metres on the Orpiment zone. Continued geological mapping concentrated on the Goat Trail zone and evaluation of the AW-Ridge and GR-2 zones.

2.0 GEOLOGY

2.1 Regional Setting

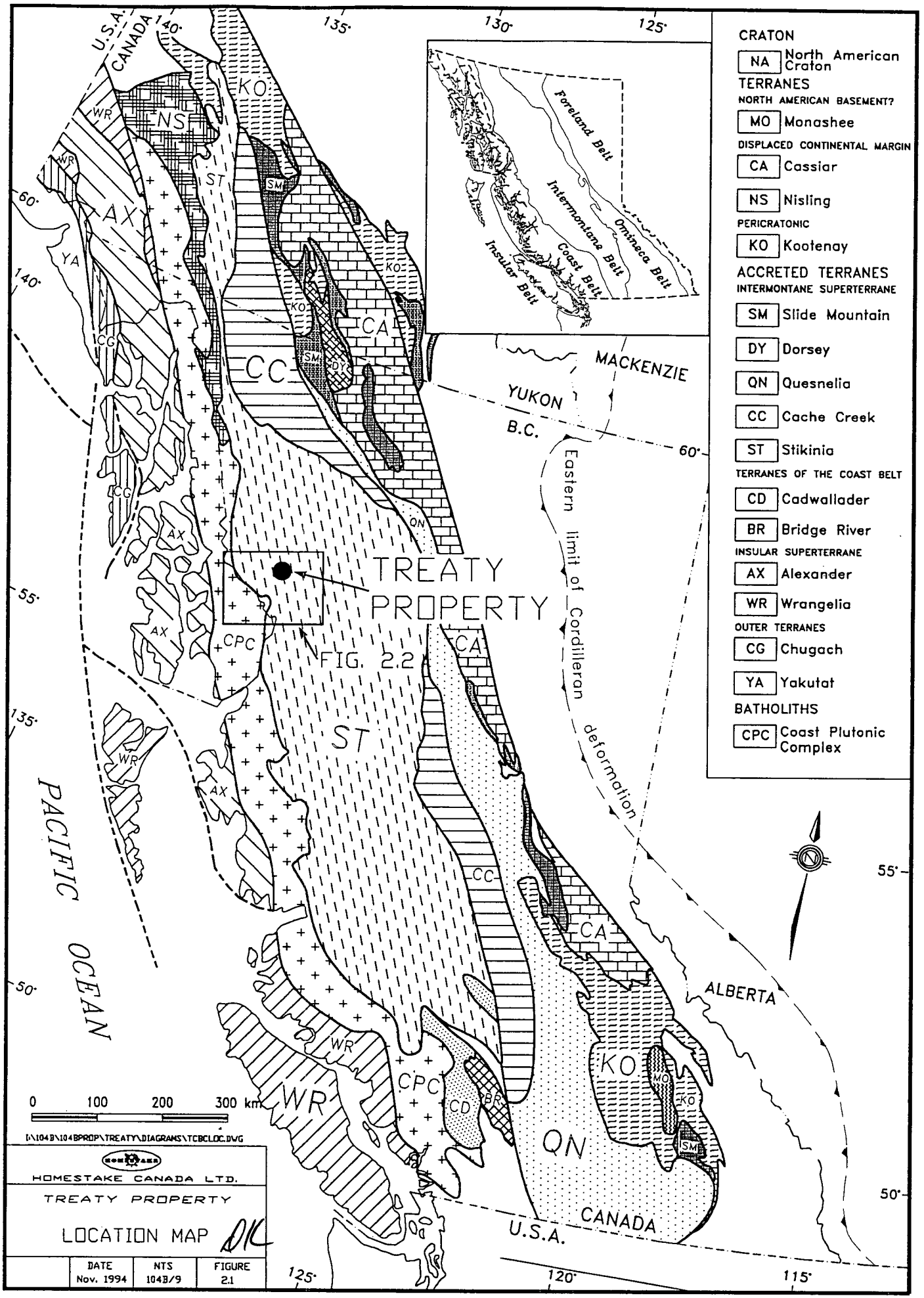
The Treaty Creek property lies within the Stikine terrane, along the western margin of the Intermontane Belt of the Canadian Cordillera (Figure 2.1). Stikinia is characterized by Paleozoic sedimentary and volcanic rocks of the Devonian to Permian Stikine Assemblage, Upper Triassic Stuhini Group volcanic and sedimentary rocks and Jurassic sedimentary and volcanic rocks of the Hazelton Group. Overlying Middle to Upper Jurassic sedimentary rocks of the Bowser Lake Group and Cretaceous Sustut Group are overlap assemblages that link Stikinia to adjacent terranes. The western margin of Stikinia is intruded by Cretaceous to Tertiary intrusive rocks of the Coast Plutonic Complex and record the accretion of the Insular Terrane to North America during the Late Jurassic and Early Cretaceous.

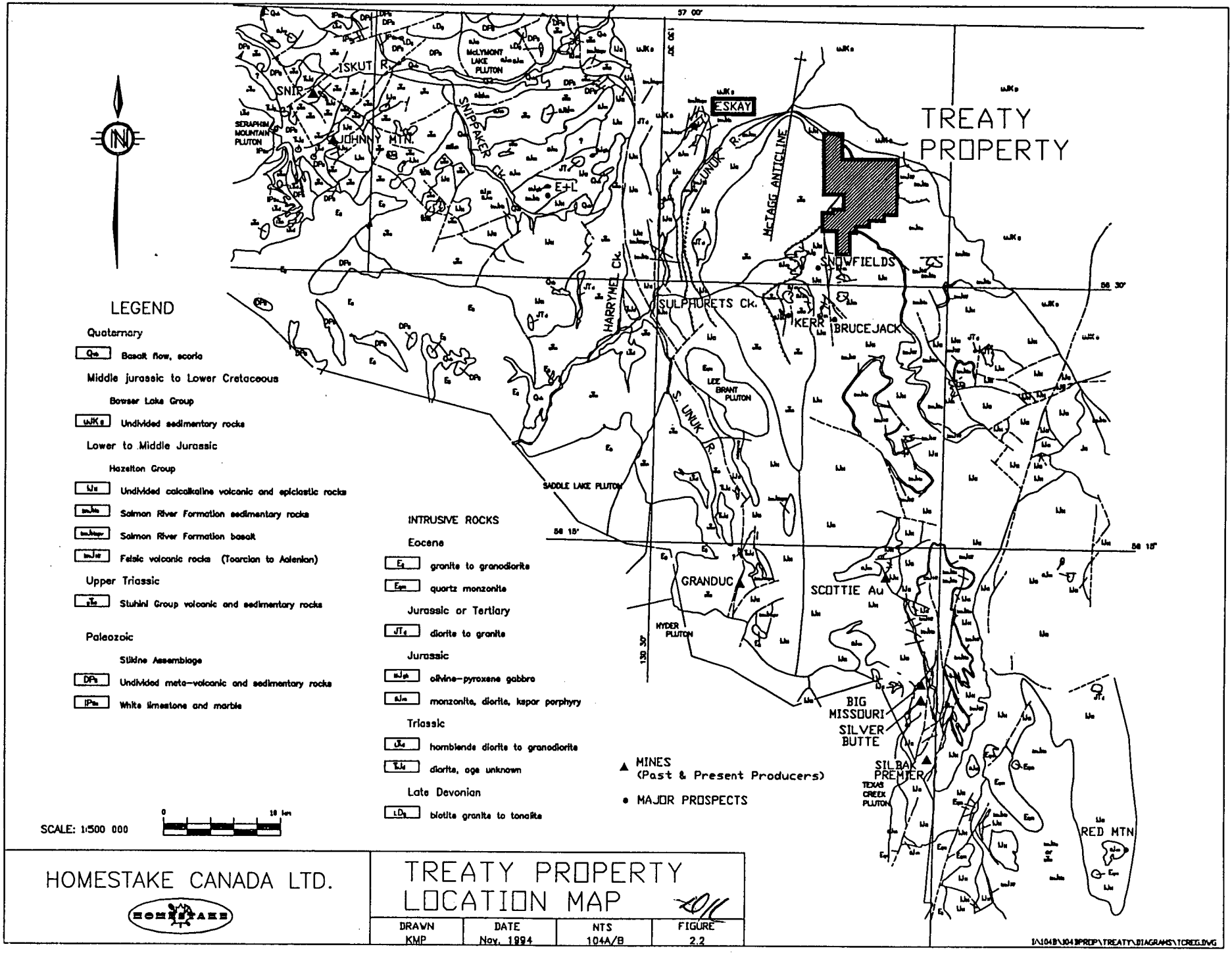
Regional mapping has been completed by the Geological Survey of Canada (Anderson, 1989), the British Columbia Geological Survey (Grove, 1986 and Alldrick and Britton, 1988) and the Mineral Deposit Research Unit, UBC (Lewis, 1993).

The oldest rocks in the region are sedimentary and volcanic rocks of the Upper Triassic Stuhini Group which core the McTagg anticlinorium (Figure 2.2). The Stuhini Group consists of mafic flows, sills and volcaniclastic rocks which are intercalated with, and intrude well-bedded sandstones and siltstones.

Overlying the Stuhini Group are sedimentary and mafic to felsic volcanic rocks of the Lower Jurassic Hazelton Group. The base of the Hazelton Group comprises Hettangian to Sinemurian age (Unuk River Formation) well-bedded arenitic sandstones interbedded with siltstones and minor volcanic derived conglomerates. Henderson et al. (1992) noted the presence of a distinctive conglomerate marker unit with granitoid and volcanic cobbles (Jack formation) that marks an erosional unconformity at the base of the Hazelton Group strata. Overlying the Unuk River Formation are Pliensbachian hornblende-plagioclase, orthoclase-phyric and vesicular andesitic flows, breccias, tuffs and minor felsic ash tuffs of the Betty Creek Formation. Stratigraphically above these volcanic rocks are Toarcian fossiliferous, calcareous sandstones, siltstones and minor limestone which are correlated with the upper part of the Betty Creek Formation in the Eskay area. Conformably overlying the Betty Creek Formation are heterolithic dacite tuffs, breccias, massive to vesicular dacites and flow-banded rhyo-dacite flows of the Aalenian age Mount Dilworth Formation. The top of the Hazelton Group comprises mafic flows, pillow lava and volcanic rocks, rhyolite flows, breccias and felsic, pyritic fragmental rocks overlain by well-bedded siltstones with interbedded ash tuff of the Aalenian age Salmon River Formation.

Conformably overlying the Hazelton Group are sandstones, siltstones and chert pebble conglomerates of the Middle Jurassic Bowser Lake Group.


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 Quesnelia
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
Intermontane Belt
Omineca Belt
Coast Belt
Insular Belt
Eastern limit of Cordilleran deformation
TREATY PROPERTY
FIG. 2.2
MACKENZIE
YUKON
B.C.
ALBERTA
PACIFIC OCEAN
U.S.A.
CANADA
0 100 200 300 km
D:\104B\104BPROP\TREATY\DIAGRAMS\TCBCLOC.DWG
HOMESTAKE CANADA LTD.
TREATY PROPERTY
LOCATION MAP
DATE Nov. 1994
NTS 104B/9
FIGURE 2.1



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TREATY PROPERTY LOCATION MAP

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

Three ages of intrusive rocks are recognised within the region. These include Pliensbachian age two-feldspar porphyries of the Texas Creek Suite, Aalenian age sub-volcanic intrusions and Cretaceous to Tertiary granite to diorite intrusions of the Coast Plutonic Complex.

Structure in the region is dominated by the north trending Eskay Creek and McTagg Anticlines and north striking faults in the Harrymel and Forrest Kerr Creek valleys to the west of the property (Figure 2.2). The Sulphurets Thrust Fault, situated east of the property, marks the boundary between Hazelton Group volcanic and sedimentary rocks of the Bowser Lake Group.

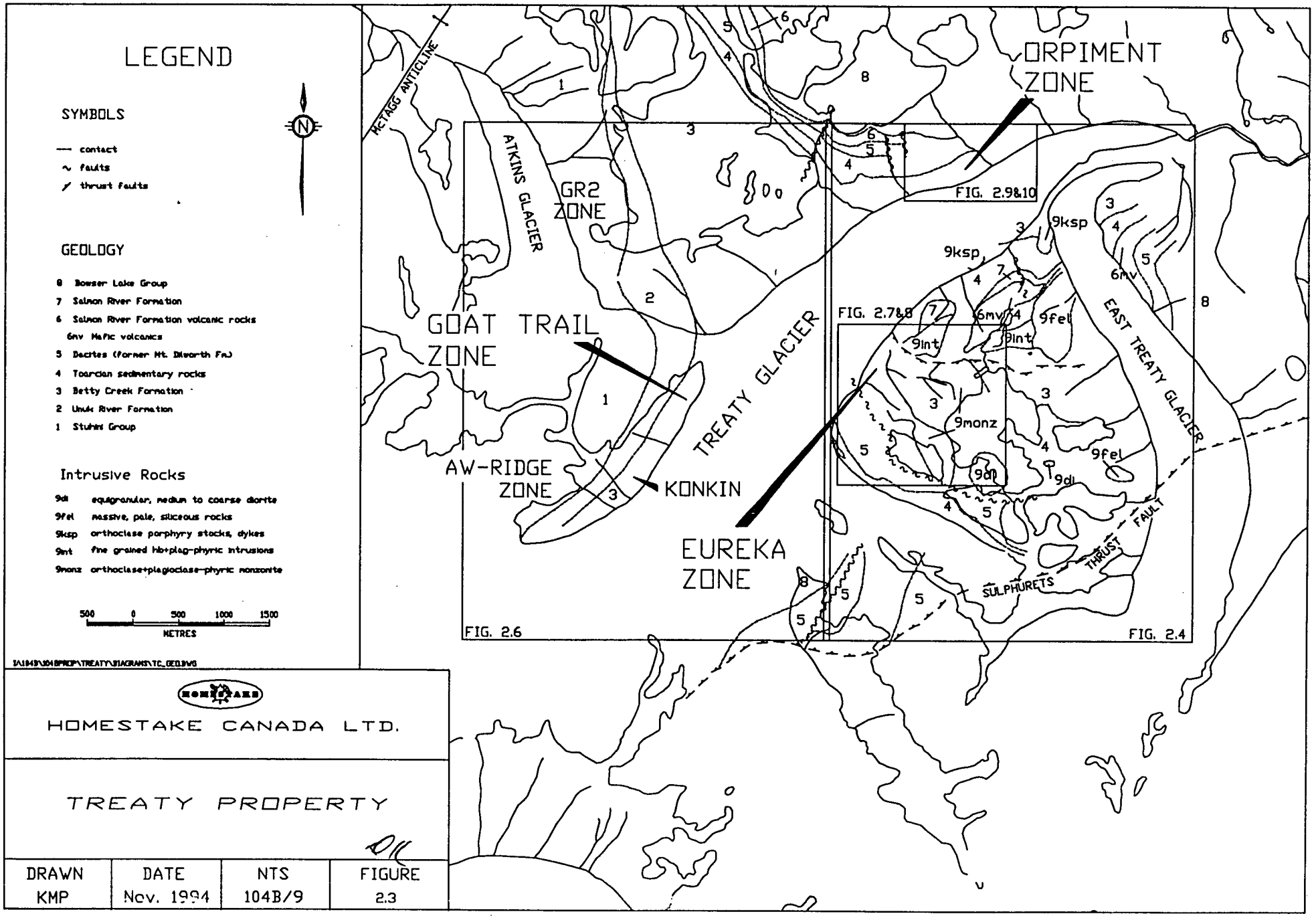
2.2 Property Geology

The property is situated along the east limb of the McTagg anticlinorium and is underlain by volcanic and sedimentary rocks of the Upper Triassic Stuhini Group and the Lower Jurassic Hazelton Group which are intruded by orthoclase porphyry, monzonite, diorite and felsic intrusions (Figure 2.3). To the north and east of the property are sedimentary rocks of the Middle Jurassic Bowser Lake Group. To the south Hazelton Group strata are in fault contact with the Bowser Lake Group along the east-vergent Sulphurets Thrust Fault. In general, strata on the property young from west to east with local variation caused by minor folding and faulting. An east striking, north vergent thrust fault named the Nunatak Fault, is exposed along the northern margin of the Main Gossan. It juxtaposes older strata of the Betty Creek Formation south of the fault with strata of the Salmon River Formation to the north. The southern margin of the Main Gossan is defined by the Gossan Fault.

Four main alteration zones are exposed on the property. These are the Main Gossan which includes the Eureka zone, Orpiment zone, West Nunatak and GR-2 zone. Alteration on the property comprises propylitic, phyllic, argillic, advanced argillic and silicification characteristic of an epithermal environment.

2.2.1 Stratigraphy

The stratified rocks on the property have been divided into 8 units (Figure 2.3) based on regional mapping by Grove (1986), Alldrick and Britton (1988), Anderson and Thorkelson (1990) and Lewis et al. (1993). The oldest rocks are situated in the southwest corner of the property where sedimentary and volcanic rocks of the Upper Triassic Stuhini Group are exposed along Atkins glacier. Strata young eastward from Atkins glacier where Hettangian to Sinemurian sedimentary rocks of the Unuk River Formation are exposed east of Atkins glacier and southwest along the West Nunatak. Volcanic rocks of the Pliensbachian Betty Creek Formation underlie the central portion of the property and are overlain by Toarcian volcanic derived conglomerates and sedimentary rocks interpreted to be equivalent with the Upper part of the Betty Creek Formation in the Eskay Creek area. Conformably overlying Toarcian sedimentary rocks are mafic, felsic and sedimentary rocks of the Salmon River Formation which are exposed on the Treaty Nunatak and on the ridge north of the Orpiment zone. Overlying the Salmon River Formation are sedimentary rocks of the Bowser Lake Group.


LEGEND
SYMBOLS
contact
faults
thrust faults
GEOLOGY
8 Bowser Lake Group
7 Salmon River Formation
6 Salmon River Formation volcanic rocks
6mv Mafic volcanics
5 Dacites (former Mt. Dilworth Fm.)
4 Toarcian sedimentary rocks
3 Betty Creek Formation
2 Unuk River Formation
1 Stuhini Group
Intrusive Rocks
9di equigranular, medium to coarse diorite
9fel massive, pale, siliceous rocks
9ksp orthoclase porphyry stocks, dykes
9int fine grained hb+plag-phyric intrusions
9monz orthoclase+plagioclase-phyric monzonite
500 0 500 1000 1500
METRES
N
McTAGG ANTICLINE
ATKINS GLACIER
GR2 ZONE
ORPIMENT ZONE
GOAT TRAIL ZONE
TREATY GLACIER
EAST TREATY GLACIER
AW-RIDGE ZONE
KONKIN
EUREKA ZONE
FIG. 2.9&10
FIG. 2.7&8
FIG. 2.6
FIG. 2.4
9ksp
6mv
9fel
9int
9monz
9di
FAULT
THRUST
SULPHURETS
HOMESTAKE CANADA LTD.
TREATY PROPERTY
DRAWN KMP
DATE Nov. 1994
NTS 104B/9
FIGURE 2.3

South of the Treaty Nunatak Bowser Lake Group sedimentary rocks are in fault contact with strata of the Hazelton Group along the east vergent Sulphurets Thrust Fault. North and east of the property the contact between Bowser Lake and Hazelton Group strata is gradational.

Geological mapping focused on the Treaty Nunatak, West Nunatak and Orpiment zone. Property mapping was conducted at scales of 1:5,000 and 1:2,500 between July 1 and August 5, 1994. Nine samples of the various rock types were collected for whole rock geochemistry. The analyses for these samples are tabulated in Appendix III. The following is a detailed description of each stratigraphic unit.

Upper Triassic Stuhini Group

Unit 1: Stratified rocks of the Upper Triassic Stuhini Group are exposed along the southwest margin of the property where they underlie the Ridge and GR-2 zones (Figure 2.6). West of the AW zone the Stuhini Group comprises green propylitized, mafic to intermediate augite-plagioclase flows, breccias and tuffs intercalated with turbiditic mudstones volcanic-derived sandstones and wacke and lesser conglomerate. In the vicinity of the GR-2 zone, the Stuhini Group comprises a heterolithic package of vesicular hornblende or pyroxene+plagioclase-phyric breccia, flows and sills intercalated with laminated black mudstones and buff siltstones and minor lenses of heterolithic conglomerate with volcanic, sedimentary and limestone clasts. Within the sedimentary units, ripup clasts of mudstones within the buff coloured siltstone layers are common.

Lower Jurassic Hazelton Group

Unit 2: The Hettangian to Sinemurian Unuk River Formation is exposed as a thin unit which extends from the GR-2 zone southward across Atkins glacier to the AW zone (Figure 2.6). The Unuk River Formation, which forms the basal unit of the Hazelton Group, is exposed east of the GR-2 zone and comprises buff to grey calcareous, coarse-grained sandstones and black siltstones with abundant pelecypod and gastropod fossils. Fossils collected from this unit yielded an age of Hettangian-Sinemurian (Lewis et al., 1993). Overlying these sedimentary rocks are heterolithic volcanic derived conglomerates, black well-laminated siltstones and fine-grained sandstones. On the West Nunatak, rocks of the Unuk River Formation which host the AW zone comprise grey to buff well-bedded feldspathic sandstones, locally containing detrital muscovite and interbedded black siltstones.

Unit 3: Strata of the Pliensbachian Betty Creek Formation underlie the central portion of the claims extending from the West Nunatak east to the Treaty Nunatak and Orpiment zone (Figure 2.4, 2.6). This unit is the primary host to mineralization on the property; underlying the Konkin, Goat Trail, Orpiment and Main Gossan zones. The Betty Creek Formation is a dominately volcanic package which consists of orthoclase-, plagioclase-, hornblende-phyric and vesicular andesitic breccias, tuffs, flows and sills. It conformably overlies sedimentary and volcanic derived conglomerates of the Unit 2 and is separated from the underlying stratigraphy by a distinctive maroon to green epiclastic siltstone with rare calcareous siltstone clasts derived from

Unit 2. This basal unit is exposed down slope from the AW zone and east of the GR-2 claims (Figure 2.6). Overlying the basal epiclastic unit are maroon to green orthoclase-phyric block and lapilli tuffs which grade upward into plagioclase+hornblende-phyric and hornblende-phyric breccias, tuffs and sills. Aphanitic mafic vesicular dykes up to 1 metre wide cut the volcanic breccias and are interpreted to feed vesicular breccias observed higher in the volcanic section.

In the vicinity of the Orpiment zone, the Betty Creek Formation consists of massive, plagioclase bearing crystal tuffs, conglomerates and minor black to buff laminated mudstones and siltstones. On the Treaty Nunatak, rocks assigned to Unit 3 crop out on the north end of the Nunatak and within a fault bounded block which is host to alteration in the Main Gossan (Figure 2.4, 2.8). At the north end of the nunatak, green plagioclase and hornblende-phyric block tuffs are intercalated with massive andesite and minor orthoclase-phyric block tuffs.

Within the Main Gossan area Unit 3 comprises green massive andesite, lithic tuffs and minor sediments. Plagioclase-hornblende-phyric lapilli tuffs similar to those exposed on the West Nunatak are exposed within the Eureka Zone (Figure 2.8). Stratified rocks have been intruded by aphanitic, massive to vesicular mafic dykes. The vesicular dykes may represent feeders to the overlying basaltic volcanism of the Salmon River Formation. Rocks exposed near the top of the Main Gossan are characteristically reworked andesitic breccias similar to those observed at the top of Unit 3 on the Treaty Section (Lewis et al, 1993). Based on these similarities the Main Gossan is interpreted to lie within the upper portion of the Betty Creek Formation.

Maroon to green plagioclase-phyric, and breccias and breccias composed of aphanitic felsic clasts in a plagioclase crystal rich matrix lie along the east margin of the Treaty Nunatak within the hanging wall of the Nunatak Thrust Fault.

Unit 4: Overlying the volcanic strata of Unit 3 are Toarcian fossiliferous sedimentary rocks and volcanic derived conglomerates which form the upper part of the Betty Creek Formation. On the northern end of the Treaty Nunatak, Unit 4 consists of calcareous buff to black siltstones, coarse sandstones, volcanic derived conglomerates and reworked felsic tuffs (Figure 2.4). Calcareous sandstones and conglomerates vary from sparsely fossiliferous to pelecypod- and belemnite-bearing. Lenses of epiclastic breccias are common within this unit and consist of fragments of the underlying volcanic breccias. Near the top of Unit 3 are several layers of well-bedded felsic ash to lapilli tuffs with pale pumice fragments. South of the Nunatak Fault, well-bedded brown to black siltstones and lesser sandstones, assigned to Unit 4, are intruded by vesicular, hornblende+plagioclase-phyric sills and dykes.

Unit 5: Heterolithic tuffs of the Mount Dilworth Formation are exposed south of the Main Gossan, on the Treaty Nunatak, northwest of the Orpiment zone and near the top of the Treaty Section (Figure 2.3, 2.4). On the Treaty section Unit 5 consists of more than 150 metres of maroon heterolithic dacite block to lapilli tuffs which overlie mafic volcanic rocks of Unit 6. The unit consist of green to white felsic fragments which are aphanitic to flow-banded and minor sedimentary clasts in a maroon ash matrix. Heterolithic dacite tuffs of Unit 5 are exposed on the ridge to the northwest of the Orpiment zone and comprise green heterolithic tuffs which

grade laterally into well-bedded ash tuffs. In this locality dacite tuffs underlie rhyolite flows and breccias of Unit 6.

Green heterolithic dacite lapilli and block tuffs, similar to those exposed northwest of the Orpiment zone, are exposed on the ridge south of the Main Gossan. Locally this unit comprises well-bedded graded ash tuffs with abundant load structures. The top of this unit is characterized by reworked dacite tuffs and ash tuffs with chloritized fiamee intercalated with siltstones. In the vicinity of the Main Gossan, Unit 5 is in fault contact with andesitic volcanic rocks of Unit 3 along the Gossan Fault.

Unit 6: Rhyolitic and basaltic rocks of the Aalenian Salmon River Formation are exposed west of the Orpiment zone and below Unit 5 on Treaty Nunatak and East Treaty ridge (Figure 2.4). North of the Orpiment zone rusty weathering, pyritic massive rhyolite flows and breccias are overlain by siltstones of Unit 7.

On the Treaty Nunatak and East Treaty ridge, Unit 6 consists of a thick package of vesicular basalt, pillow lava and breccia. In both localities this unit grades from massive to pillowed, vesicular basalt upward into breccias. The breccias contain amoeboid fragments of vesicular basalt within an hyaloclastic matrix.

Unit 7: Black, finely laminated siltstones of the Salmon River Formation are exposed on the Treaty Nunatak and East Treaty ridge (Figure 2.4). In both localities Unit 7 sedimentary rocks are exposed beneath and have been intruded by mafic volcanic rocks of Unit 6. Siltstones beneath Unit 6 on the Treaty Nunatak contain rare pyritic ash laminations.

Middle Jurassic Bowser Lake Group

Unit 8: Mudstones, siltstone and sandstones of the Bowser Lake Group overlie the mixed volcanic and sedimentary strata of the Hazelton Group. Bowser lake Group strata is best exposed at the top of East Treaty ridge and north of the Treaty Nunatak (Figure 2.3). Lewis et al., (1993) have divided the rocks of the Bowser Lake Group into three subunits based on their work on the East Treaty ridge. Here the Bowser Lake Group consists of a basal fossiliferous calcareous sandstone unit, overlying thinly bedded mudstones and siltstones and an upper more thickly bedded sandstone and mudstone sequence. The basal fossiliferous subunit yielded a Bajocian fossil age.

Intrusive Rocks

Unit 9di: Medium- to fine-grained diorite plugs of unknown age intrude sedimentary and volcanic rocks of Unit 4 near the top of the Treaty Nunatak (Figures 2.4, 2.6). The diorites are equigranular and composed of hornblende, plagioclase and quartz. Medium-grained diorites are also observed on the West Nunatak north of the Konkin zone and underlying the Goat Trail zone where they are altered to quartz+sericite+pyrite.

Unit 9ksp: Orthoclase megacrystic intrusions are exposed along the northwest margin of the Treaty Nunatak and adjacent to the Orpiment zone (Figure 2.4). The intrusion consists of up to 10%, 1-4 cm orthoclase megacrysts in a matrix of orthoclase, plagioclase and hornblende. The contacts of Unit 9ksp are locally brecciated, containing angular blocks of Unit 9ksp in a intrusive matrix. This contact breccia is best exposed at the base of the Orpiment zone where breccia blocks greater than 2 metres are abundant (Figure 2.10). Unit 9ksp is texturally similar to orthoclase porphyritic intrusions in the Sulphurets mining camp to the southwest of the property which are Pliensbachian in age.

Unit 9monz: Medium-grained monzonite underlies the upper part of the Main Gossan (Figure 2.7). Unit 9monz crops out along the northern margin of the Main Gossan, underlies Sulfur Knob and is exposed along the southern margin of the property. It is composed of 2-4 mm equant orthoclase phenocrysts, 1-2 mm lath-shaped plagioclase crystals and rare euhedral hornblende. The monzonite was dated by the MDRU Iskut Project by U-Pb zircon and yielded an age of 185+/-1 Ma.

Unit 9fel: Two felsic intrusions are exposed along the eastern margin of the Treaty Nunatak (Figure 2.4). Unit 9fel is grey to black, aphanitic and rarely feldspar porphyritic. Flow-banding is common with banding parallel to the margins of the intrusion. Locally, a breccia composed of angular blocks of the intrusion within a sedimentary matrix is exposed along the margins of the felsic intrusions. Based on field relations, these intrusions are interpreted to be Aalenian in age.

Unit 9int: Fine- to medium-grained hornblende plagioclase-phyric intrusions are exposed on the north end of the Treaty Nunatak (Figure 2.4). This unit may be a finer grained equivalent of unit 9di or sub-volcanic sills related to stratified basaltic rocks Unit 6.

2.2.2 Structure

The property lies along the eastern flank of the north plunging McTagg anticline (Figure 2.3). To the east of the property is the trace of the Sulphurets Thrust Fault which has transported stratigraphy hosting the Treaty Creek property southeastward over sedimentary rocks of the Bowser Lake Group. The direction of movement along this fault is poorly constrained in the Treaty area however, south of the property, the Sulphurets Thrust Fault is interpreted as an east vergent structure. Stratigraphy generally strikes northwest and dips moderately to the northeast with variation in bedding caused by local faulting and folding. Where penetrative fabrics are developed, foliations strike north-northwest to northeast and dip moderate to steeply. The description of structure is divided into three areas; the Orpiment zone, West Nunatak and Treaty Nunatak.

Treaty Nunatak

The Treaty Nunatak is divided into three structural domains which are separated by the east striking Nunatak Fault and Gossan Fault to the south (Figure 2.4). Domain 1, situated north of the Nunatak Fault, is characterized by a north-trending syncline-anticline pair (Figure 2.5). Foliation strikes north-northwest to northeast, dip moderately, and are best developed in sedimentary rocks of Units 4 and 7. Minor faults in the domain strike north to northwest, dip steeply and have minor offset. The southern margin of Domain 1 is defined by the Nunatak Fault which coincides with an increase in the intensity of deformation and a prominent east-west foliation. The Nunatak Fault juxtaposes sedimentary and volcanic rocks of Units 4 and 6 in Domain 1 against older volcanic rocks of Unit 3 to the south.

Domain 2 encompasses the central portion of the Treaty Nunatak, including the Main Gossan area (Figures 2.4, 2.8). It is bounded to the north and south by faults forming a horst of Pliensbachian age strata surrounded by younger rocks. Foliations in Domain 2 strike north to west and dip moderately. On the northern margin of Domain 2, north-northeast striking foliations change orientation and strike east-west. This region of east-west foliation is best developed within altered rocks within Domain 2 and coincides with the trace of the Nunatak Fault. A mineral elongation lineation, contained on the foliation plane plunges westerly regardless of foliation orientation. Kinematic indicators support an oblique, south side up sinistral sense of movement along the Nunatak Fault.

Domain 3 is situated along the southwest margin of the nunatak and is separated from Domain 2 by the Gossan Fault with an apparent north side up sense of movement. (Figure 2.8). The Gossan Fault juxtaposes volcanic rocks of Domain 2 with younger volcanic rocks of Units 5 and 6 to the south. The orientation of bedding in Domain 3 changes from southeast to northeast dipping from north to south. Rocks are relatively undeformed with locally developed foliations. Adjacent to the Gossan Fault, strata of Domain 3 dip to the east and are overturned.

Orpiment Zone

The Orpiment zone is characterized by intensely deformed quartz+pyrite+kaolinite /pyrophyllite+alunite altered rock with a pervasive north-northwest striking foliation which is deformed into chevron folds with steep northwest-plunging fold hinges (Figure 2.10). Yellow to pale green quartz veins hosting rare stibnite are parallel to foliation and are folded by the chevron folds. A coarse-grained orpiment vein within quartz+pyrite+alunite altered rock strikes north, cutting the foliation at a shallow angle.

Intensity of deformation decreases rapidly outward into the surrounding country rock. On the east side of the gossan bedding in volcaniclastic sediments of Unit 3 steepens from 45° to 90° adjacent to the zone.

West Nunatak

Foliation on the West Nunatak strikes north to northeast and dips moderately to the northwest (Figure 2.6). In the vicinity of the Goat Trail zone, bedding strikes north and dips steeply to the east. Southward along the top of the nunatak bedding is variable, striking north and dipping to the east and west. Several faults were identified in the Goat Trail zone. These faults strike northeast and dip moderately to the southeast and northwest. Pyrite veining in the Goat Trail zone strikes sub-parallel and perpendicular to foliation.

2.3 Alteration

Four main alteration zones are exposed on the Treaty Creek property. These include: the Treaty Nunatak, West Nunatak, Orpiment Zone and GR-2 zone (Figure 2.3). Detailed 1:2,500 scale mapping was completed on the Main Gossan and Orpiment zone during the 1994 Exploration program. The GR-2 claims were the subject of a one day examination.

Alteration on the property is dominated by chlorite, sericite, kaolinite, pyrophyllite and silicification. Pyrite is ubiquitous, calcite is present within chlorite alteration and hematite is present within silicification, kaolinite, sericite and chlorite dominant alteration. Alunite and native-sulphur are characteristic accessory minerals within zones of kaolinite and pyrophyllite alteration. In general changes between the various types of alteration are diffuse and alteration assemblages have been identified by the presence of the dominant phyllosilicate mineral, and intensity of silicification.

2.3.1 Main Gossan

The Main Gossan forms a prominent red-brown weathering gossan on the west side of the Treaty Nunatak. It is hosted within a fault bounded block of volcanic and minor sedimentary rocks of Unit 3 and monzonite intrusive rocks of Unit 9monz (Figure 2.7). It forms a northwest elongate zone which extends from the Treaty glacier southeastward to the icefield on the west side of the nunatak, covering approximately one square kilometre. Alteration in the Main Gossan is broadly zoned from a core of kaolinite+pyrite+quartz alteration outward into sericite+quartz+pyrite and peripheral chlorite+pyrite+/-carbonate alteration. Areas of more intense alteration are characterized by pyrophyllite+pyrite alteration and silicification. The Main Gossan is host to the Eureka zone, located adjacent to the Treaty glacier at the base of the gossan. The Eureka zone was the focus of exploration activity during the 1994 season. Detailed 1:2,500 scale geological mapping of the Main Gossan was complicated by poor outcrop exposure in the centre of the gossan and by strongly weathered outcrop. On the basis of outcrop distribution the Main Gossan has been divided into three areas; the Eureka zone, northern and southern areas.

The Eureka zone crops out as a series of sub-parallel northeast trending (050°) zones of sericite+quartz +pyrite alteration bounded by chlorite+pyrite+/-calcite alteration which are hosted by massive and fragmental rocks of Unit 3 (Figure 2.7). The Eureka zone is truncated to the northeast and southwest by the Nunatak and Gossan Faults.

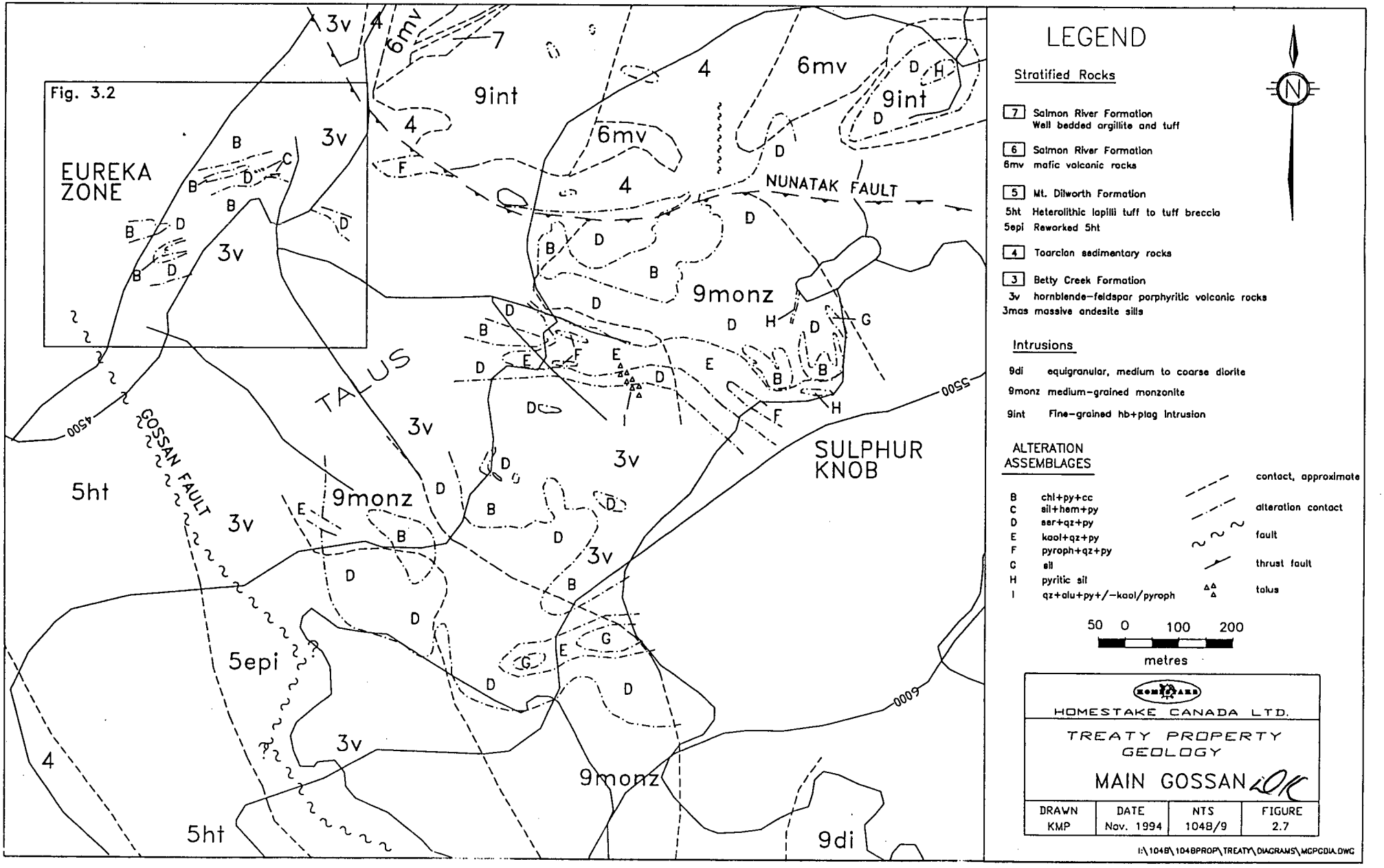


Fig. 3.2
EUREKA ZONE
NUNATAK FAULT
GOSSAN FAULT
TALUS
SULPHUR KNOB
3v
4
6mv
7
9int
9monz
5ht
5epi
9di
4500
5500
6000
LEGEND
Stratified Rocks
7 Salmon River Formation
Well bedded argillite and tuff
6 Salmon River Formation
6mv mafic volcanic rocks
5 Mt. Dilworth Formation
5ht Heterolithic lapilli tuff to tuff breccia
5epi Reworked 5ht
4 Toarcian sedimentary rocks
3 Betty Creek Formation
3v hornblende-feldspar porphyritic volcanic rocks
3mas massive andesite sills
Intrusions
9di equigranular, medium to coarse diorite
9monz medium-grained monzonite
9int Fine-grained hb+plag intrusion
ALTERATION ASSEMBLAGES
B chl+py+cc
C sil+hem+py
D ser+qz+py
E kaol+qz+py
F pyroph+qz+py
G sil
H pyritic sil
I qz+alu+py+/-kaol/pyroph
contact, approximate
alteration contact
fault
thrust fault
talus
N
50 0 100 200
metres
HOMESTAKE CANADA LTD.
TREATY PROPERTY
GEOLOGY
MAIN GOSSAN
DRAWN KMP
DATE Nov. 1994
NTS 1048/9
FIGURE 2.7
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On surface, the Eureka zone has been traced for 300 metres along strike and appears to widen to the southwest. In the vicinity of trenches TR94-8 and 9, the Eureka zone forms two or possibly three zones with a combined width of 50 metres (Figure 3.2). Individual zones, best exposed in the trenches are up to 10 metres wide and comprise strongly weathered sericite+quartz+pyrite alteration bounded by chlorite+pyrite+/-calcite alteration. On surface the transition between chlorite and sericite alteration is gradational occurring over several metres. Coring sericite+quartz+pyrite alteration are <1 metre wide breccia zones of quartz+barite with trace galena and pyrite. The breccia is cemented by limonite and jarosite. North of TR94-8, hematitic silicification+pyrite crops out along the contact between sericite and chlorite alteration. Hydrothermal breccias comprising chlorite+pyrite+calcite altered wallrock fragments in a matrix of white silica are observed 50 metres east of TR94-8 and south of the trace of the Eureka zone. Southward the Eureka zone widens into two or possibly three sub-parallel structures. At the south end the two main structures appear to coalesce into one zone measuring up to 50 metres wide. The third structure exposed in trench TC94-5 strikes west underneath the glacier and is covered by moraine to the east. Alteration is similar to that exposed on the north end with sericite+quartz+sericite+pyrite grading outward into chlorite+pyrite+/-calcite alteration. On the southern end of the Eureka zone sericite+quartz+pyrite alteration hosts a stockwork of < 2 mm white quartz veinlets. Locally, the transition from sericite to chlorite dominant alteration is marked by grey to hematitic silicification with coarse-grained pyrite. Immediately south of trench TR94-3, 1-2 centimetre blebs of pale green pyrophyllite are present within sericite+quartz+pyrite altered rocks. In trench TC93-11 a zone of limonite cemented quartz breccia grades downward into intense silicification with sheeted white quartz veining. This zone strikes northeast and dips 45° to the southeast. Adjacent to trench TR94-5, semi-massive, coarse-grained pyrite in a matrix of pale green to white amorphous kaolinite and lesser quartz is exposed in outcrop.

In addition to quartz stockworking, quartz veins and pyrite veins are present. Quartz veins up to 1 centimetre wide strike northeast and dip to steeply to the southeast and northwest. Pyrite veins are restricted to chlorite+pyrite+/-calcite altered rocks adjacent to sericitic zones. They vary from 1 to 25 centimetres wide, are continuous for several metres, and are composed of coarse- and fine-grained pyrite in a quartz matrix. One banded quartz+pyrite vein with minor galena and tetrahedrite was observed in outcrop. Both pyrite and banded quartz+pyrite veins strike north-northwest, dip near vertical and are oriented perpendicular to the trace of the Eureka zone.

The northern part of the Main Gossan extends from Sulphur Knob west towards the Eureka zone (Figure 2.7). At lower elevations alteration is hosted by massive to fragmental rocks of Unit 3. In the vicinity of Sulphur Knob the Main Gossan is underlain by intrusive rocks of Unit 9monz. Alteration zoning in the northern part of the Main Gossan has been modified by variations in the intensity of deformation. In less deformed rocks alteration is broadly zoned from sericite+quartz+pyrite to chlorite+pyrite+/-calcite with decreasing alteration intensity. Along the southern contact of the monzonite intrusion, the intensity of alteration increase dramatically within a zone of east-west foliation. Here alteration is zoned from pyrophyllite+quartz+pyrite outward to kaolinite+quartz+pyrite and sericite+quartz+pyrite.

Locally, small pods of silicification are exposed along the trace of this zone. In the core of the zone grey silicification containing fine-grained disseminated pyrite is exposed adjacent to zones of pyrophyllite+quartz+pyrite. South of Sulphur Knob pyritic silicification contains abundant white quartz veining that strike west and dip 45° to the north. At the western end of this zone hematitic, pyritic silicification, similar to that observed in the Eureka zone, crops out along the boundary between chlorite and sericite dominant alteration.

A 60x10 metre, north-trending zone of locally pyritic silicification is exposed along the eastern edge of Sulphur Knob. The zone is characterized by a core of intense silicification, similar to that exposed on the Orpiment zone, which is locally pyritic along the margins where it is in sharp contact with kaolinite+quartz+pyrite and sericite+quartz+pyrite altered monzonite. This zone of silicification is bounded by icefield on its eastern edge. North of Sulphur Knob and the Nunatak fault are fine-grained hornblende-plagioclase-phyric intrusive rocks of Unit 9int which have been altered to sericite+quartz+pyrite and silicified (Figure 2.7).

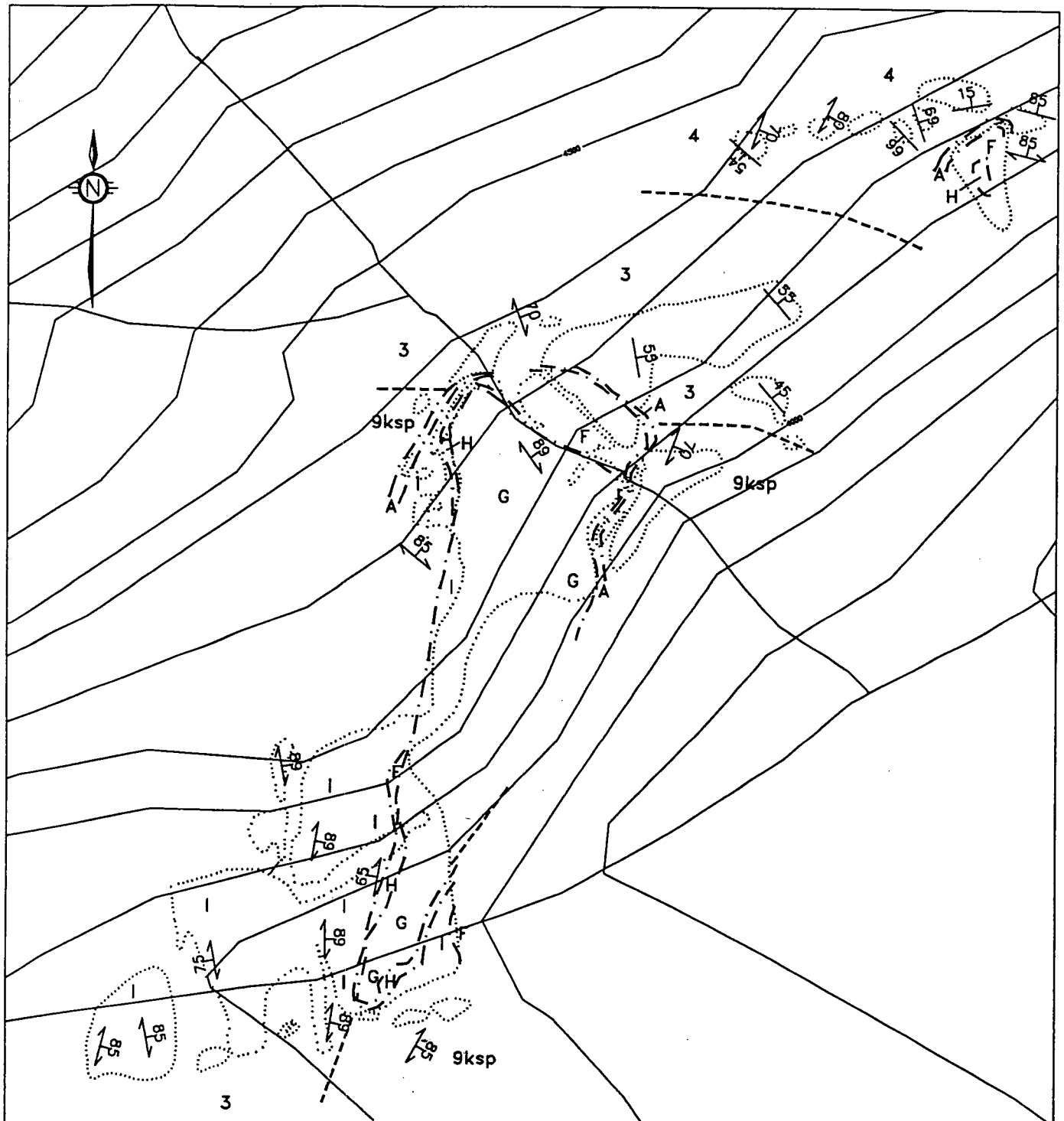
Talus of laminated quartz+alunite+pyrite+/-native sulphur is exposed at the base of the ice field which caps the Treaty Nunatak. The talus is similar to alteration observed on the Orpiment zone and appears to have sourced from beneath the icefield. Outcrop is limited between the northern and southern part of the Main Gossan. Where present outcrops of massive to fragmental volcanic rocks are altered to chlorite+pyrite+/-calcite with sericite+pyrite+quartz alteration localized along discrete shears.

In the southern part of the Main Gossan altered rocks are less effected by deformation. Alteration is broadly zoned from kaolinite+pyrite+quartz alteration outward into quartz+sericite+pyrite and chlorite+pyrite+/-calcite alteration (Figure 2,7). A zone of silicification, similar to that exposed in the northern part of the Main Gossan, is exposed at the top of the gossan. This zone forms an east-west linear 250x40 metres long and comprises white silicification with very fine-grained disseminated pyrite localized along its margins. Barren silicification is bounded by a recessive weathering zone of kaolinite+quartz+pyrite alteration.

2.3.2 Orpiment Zone

The Orpiment zone, situated 2 kilometres north of the Main Gossan, is hosted by andesitic volcanic and sedimentary rocks of Unit 3 and an orthoclase megacrystic intrusion and related contact breccia of Unit 9ksp (Figures 2.9, 2.10). It forms an elongate, north trending zone 500 metres long and 300 metres wide with alteration exposed for 270 metres in elevation. Alteration is strongly zoned from a core of intense silicification outward into laminated quartz+pyrite +alunite±kaolinite ±pyrophyllite best exposed along the western side of the core. The intensity of alteration decreases rapidly with a zone of hematite+epidote alteration separating unaltered rocks and intense alteration within the Orpiment zone.

The silicified core is typically massive and composed of microcrystalline quartz with minor pyrite. Pyrite occurs as small blebs of finely disseminated pyrite in the centre of the silicified core. The margins of the silicified core are characterized by 1 to 10 metre wide zone of pyritic



Stratified Rocks

- 4 Toarcian sedimentary rocks
- 3 Betty Creek Formation

Intrusions

- 9ksp orthoclase porphyry stocks, dykes

contact, approximate

alteration contact

outcrop

ALTERATION

A	chl+hem+ep
B	chl+py+cc
C	sil+hem+py
D	ser+qz+py
E	kaol+qz+py
F	pyroph+qz+py
G	sil
H	sil+py
I	qz+alu+py+/−kaol, pyroph

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TREATY PROPERTY GEOLOGY

ORPIMENT ZONE

DRAWN	DATE	NTS	FIGURE
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silicification with 1-2 centimetres yellow quartz veins. The veins strike west and dip steeply to the north.

Laminated quartz+pyrite+alunite±kaolinite±pyrophyllite alteration is best exposed along the western margin of the silicified core. It comprises finely laminated bands of grey silica and pyrite alternating with recessive weathering bands of kaolinite and/or pyrophyllite, pyrite and alunite. This zone has undergone intense deformation with the laminations folded about northwest trending chevron folds. Rare clastic textures, best exposed at the base of the Orpiment zone, suggest that alteration is hosted by Unit 3. This type of alteration is broadly zoned with the intensity of quartz in the alteration assemblage decreasing outward from the silicified core. Locally, pods of massive fine-grained pyrite and intense pyritic silicification are developed within quartz+pyrite+
alunite±kaolinite± pyrophyllite alteration. Yellow quartz veins with rare stibnite strike parallel to, and cut laminations. Yellow quartz veins are also observed folded about the northwest trending chevron folds.

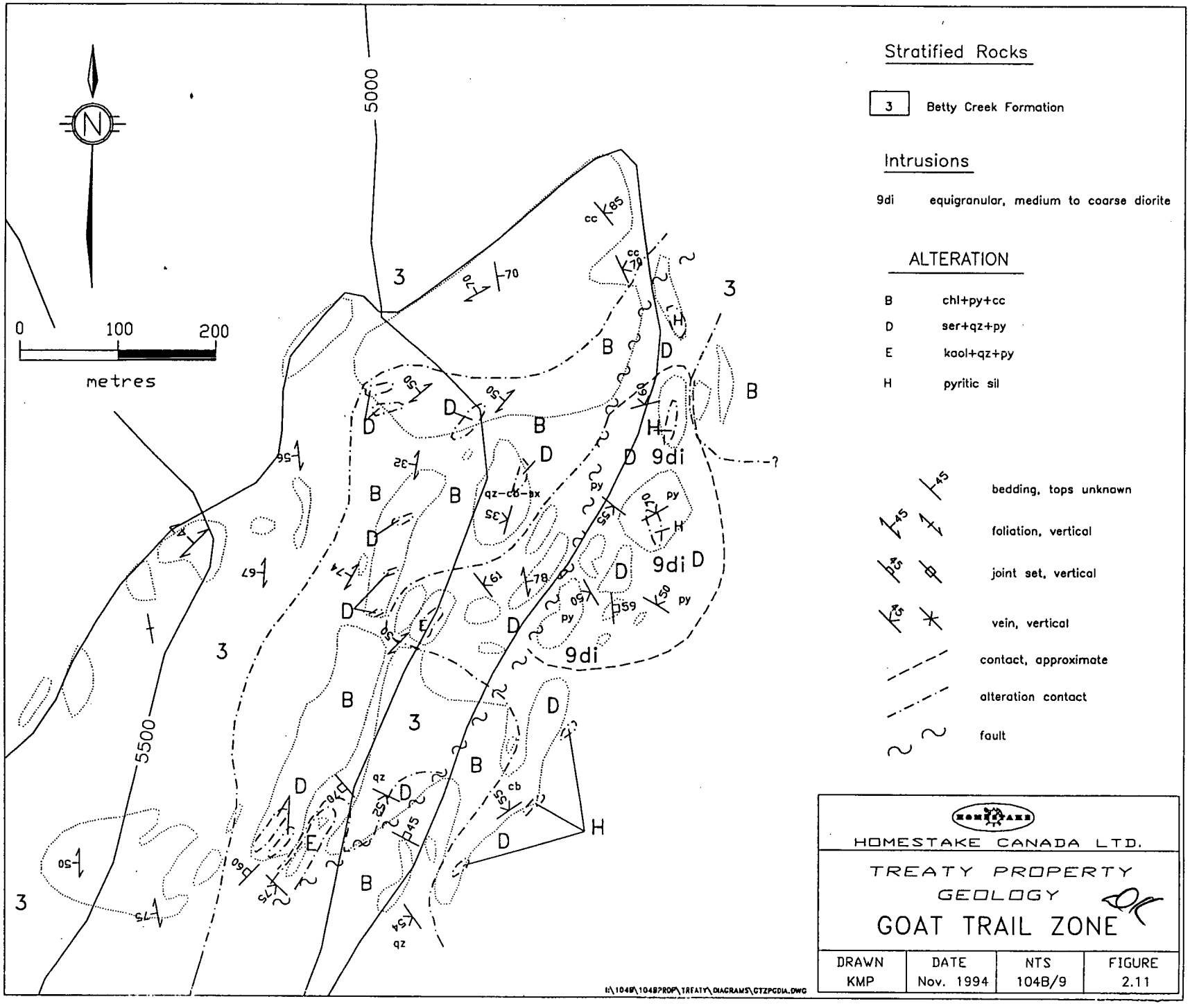
North of the silicified core quartz+pyrite+alunite+pyrophyllite alteration which weathers to a quartz boxwork grades outward into black siltstones. Within the black siltstones small pods of quartz and coarse-grained pyrite are developed parallel to the foliation. North and east of the Orpiment zone the intensity of alteration decreases rapidly from quartz+pyrite+pyrophyllite+ kaolinite to weak hematite+epidote alteration within rocks of Units 9ksp and 3. In Unit 9ksp, hematite+epidote alteration is characterized by epidote veining and replacement of orthoclase megacrysts and a pervasive hematization of the groundmass.

2.3.3 West Nunatak

The West Nunatak is host to the Goat Trail, AW, Ridge, Konkin and southwest zones (Figures 2.6, 2.11) Four days were spent mapping the Goat Trail zone at a scale of 1:5,000 and a day was spent evaluating the AW-Ridge and Konkin zones.

The Goat Trail zone is situated on the north end of the West Nunatak adjacent to the Treaty glacier. It forms a northeast trending zone which measures 700x300 metres and is underlain by andesite lapilli and tuff breccias of Unit 3 and medium-grained diorite of Unit 9di (Figure 2.11). The zone comprises sericite+quartz+pyrite in the core and peripheral chlorite+pyrite±calcite. This change in alteration coincides with a north striking fault along the west side of the zone. Discontinuous pods of kaolinite+quartz+pyrite alteration are localized along this fault. West of the fault, chlorite+pyrite±calcite alteration hosts discontinuous zones of sericite+quartz+pyrite alteration and quartz-pyrite veining with minor galena and sphalerite. On the east side of the Goat Trail zone changes in alteration are gradational.

In the northern part of the zone sericite+quartz+pyrite alteration is cored by a discontinuous zone of grey, pyritic silicification which strikes north-south. Massive quartz-pyrite veins within sericite+quartz+pyrite alteration strike northwest to northeast and dip moderately. The intensity of alteration decreases southward and is characterized by patchy sericite+quartz+pyrite within


N
0
100
200
metres
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5500
3
9di
qz-cb-bx
py
cc
qz
cb
Stratified Rocks
3 Betty Creek Formation
Intrusions
9di equigranular, medium to coarse diorite
ALTERATION
B chl+py+cc
D ser+qz+py
E kaol+qz+py
H pyritic sil
bedding, tops unknown
foliation, vertical
joint set, vertical
vein, vertical
contact, approximate
alteration contact
fault
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TREATY PROPERTY
GEOLOGY
GOAT TRAIL ZONE
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FIGURE 2.11
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a broader zone of chlorite+pyrite±calcite alteration. Adjacent to the ice, zones of pyritic silicification are localized along southwest striking, northwest dipping faults. These zones of silicification are enveloped by narrow zones of kaolinite+pyrite+quartz alteration.

The Konkin zone crops out southwest of the Goat Trail zone. In the vicinity of the Konkin pit alteration comprises chlorite+epidote+quartz +calcite+pyrite+magnetite and locally hematite. Mineralization consists of semi-massive and disseminated chalcopyrite, pyrite and lesser galena. For a more detailed description of the Konkin zone see Cremonese (1987a and b).

The surface expression of the AW zone is limited to minor pyrite mineralization within black siltstones and small, discontinuous zones of sericitic alteration hosting galena, chalcopyrite and pyrite mineralization in quartz veins. To the west, the Ridge zone consists of a 1 metre wide quartz-calcite-barite vein with galena, pyrite and lesser chalcopyrite mineralization exposed for 10 metres. The vein strikes 115°, dips 80° to the southwest and is enveloped by sericite+quartz+pyrite alteration. For a more detailed description of these zones see Chapman (1989, 1990).

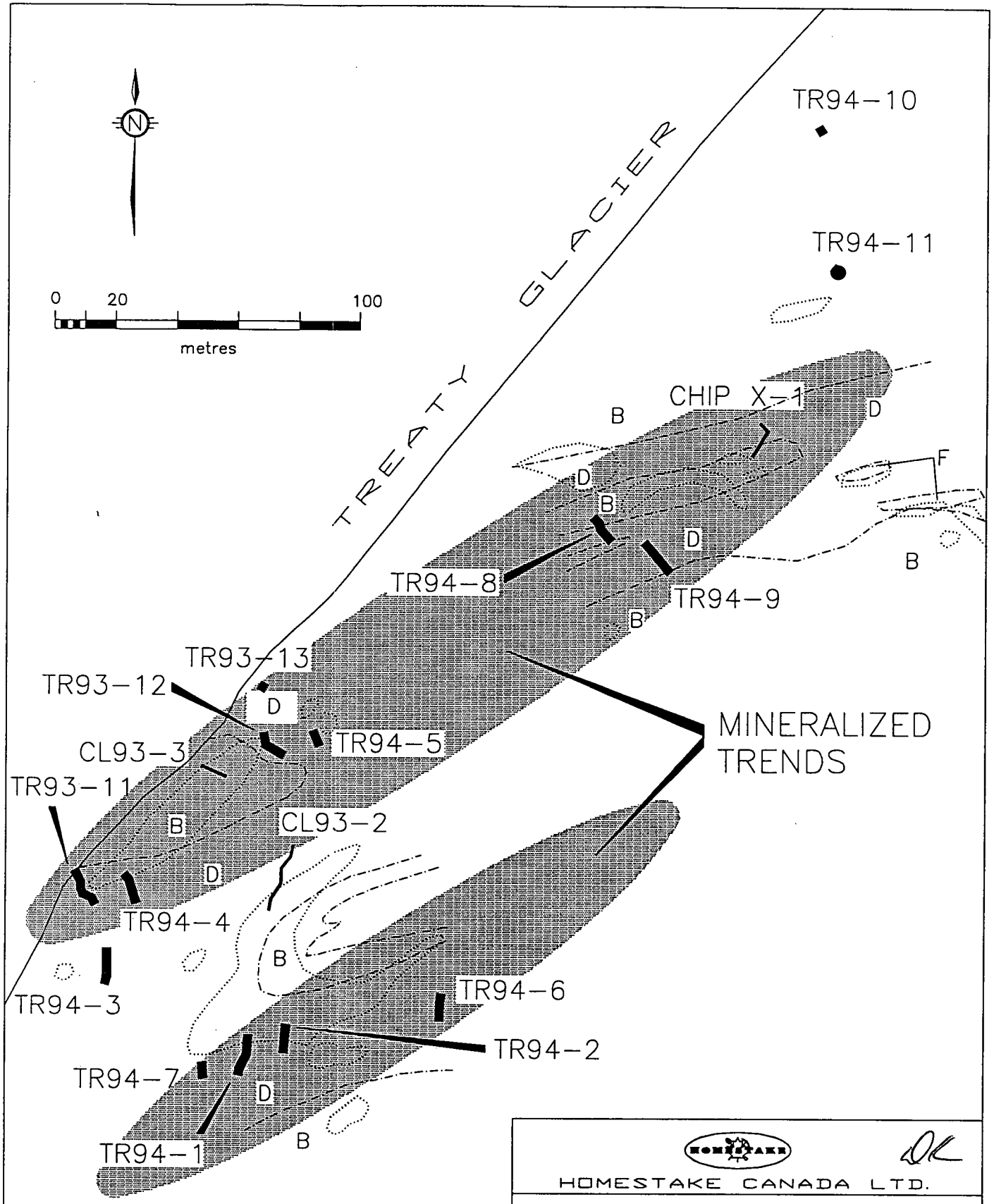
2.3.4 GR-2 Zone

One day was spent evaluating the GR-2 zone. It comprises three zones underlain by a mixed volcanic and sedimentary sequence of Units 1 and 2. Alteration within the zone is restricted to several small zones of quartz+sericite+pyrite, Fe-carbonate and quartz+clay alteration separated by unaltered rocks. The Mama Susu A and B zones comprise quartz-carbonate veins hosting sphalerite, galena and pyrite mineralization. The Mama Susu C zone consists of white quartz stockworking in Fe-carbonate+sericite+pyrite alteration at lower elevations and Kaolinite+quartz alteration with specular hematite mineralization at higher elevations. For a more detailed description of this zone see Chapman (1989 and 1991a).

3.0 TRENCHING PROGRAM

The trenching program was completed during the first phase of the exploration program, between July 1 and July 21, 1994. Trenching concentrated on; extending the Eureka zone northward from the 1993 discovery trench (TR93-11), and evaluating sub-parallel structures with alteration similar to that exposed in the discovery trench (Figure 3.1). Eleven trenches totalling 90 metres were excavated along 360 metres of strike length. A total of 60 chip samples taken during the program.

On surface the Eureka zone crops out as a series of northeast striking zones of sericite+quartz+pyrite exposed for 360 metres. These zones are strongly oxidized, and weather recessively with pyrite commonly leached from the rock. During trenching an attempt was made to excavate below the oxidized surface into less weathered rock. Blast trenches were excavated to a depth of 0.7 metres and in places failed to penetrate the zone of surface oxidation. Diamond drilling indicated that rock is strongly oxidized up to 50 metres below the surface.



ALTERATION ASSEMBLAGES

B	chl+py+cb+ser
D	ser+py+qz
F	qz+py

outcrop

alteration contact

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TREATY PROPERTY

TRENCH LOCATION MAP

DRAWN	DATE	NTS	FIGURE
KMP	Nov. 1994	104B/9	3.1

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During the trenching program TC93-11 was re-sampled to confirm the 1993 results (Cremonese, 1993). Re-sampling returned a similar trend of increasing gold values from NW to SE, but with lower grades (Table 3.1).

Trench geology and sample locations are shown in Figure 3.2. Sample descriptions and assay results are tabulated in Appendix II.

Trench TR93-11 exposes strongly weathered sericite+quartz+pyrite altered rock cored by a 3 metre zone of quartz breccia cemented by limonite. Sericite+quartz+pyrite alteration is strongly weathered with pyrite entirely leached from the rock leaving a quartz boxwork. Southeast of the quartz breccia the quartz boxwork forms pods of frothy white silica within a matrix of clay and jarosite. The zone of limonitic quartz breccia grades downward into white silicification and quartz veining exposed 1.5 metres below the trench. The silicified zone strikes 50° northeast and dips 45° to the southeast. The trench was re-sampled over the entire length and returned gold values that increased from 443 ppb to 7889 ppb Au from northwest to southeast and averaged 3441 ppb Au over 10.5 metres. The best result was obtained from strongly weathered quartz+sericite+pyrite alteration on the southeast end of the trench (Figure 3.2). Silver assayed between 4.2 ppm to 48.1 ppm with the best value obtained from the northwest margin of the quartz breccia. The 1993 and 1994 Au assay values for trench 93-11 are listed in Table 3.1.

Trenches TR94-3 and TR94-4 were located to expose outcrop southeast of the discovery trench TC93-11. Trench TR94-3 is underlain by strongly weathered sericite+quartz+pyrite alteration similar to that exposed in trench TR93-11. Trench TR94-4 exposed less weathered sericite+quartz+pyrite alteration and 1.5 metre zone of intense silicification hosting up to 15% disseminated pyrite. Samples collected from trench TR94-3 ranged from 299 to 1065 ppb Au and 0.9 to 4.2 ppm Ag with gold values increasing from north to south. Samples from trench TR94-4 were slightly higher in gold and silver and assayed from 528 to 1665 ppb Au and 2.7 an 5.9 ppm Ag.

Table 3.1 1994 and 1993 Au assay values from trench TR93-11.

1994 Sample #	1993 Sample #	Au (ppb), 1994	Au (ppb), 1993
10243	101 and 102	433	420 (#101) 325 (#102)
10244	103 and 104	1653	470 (#103) 1555 (#104)
10245	105	1050	4075
10246	106	3393	4106
10247	107	3315	3733
10248	107 and 108	4491	3733 (#107) 2302 (#108)
10249	108	2302	2302
10250	109	7889	8462

Trench TC94-1, 2, 6 and 7 were located within a sub-parallel zone of sericite+quartz+pyrite alteration hosted by andesitic rocks of Unit 3fg. This zone, exposed during trenching, is approximately 60 metres to the southeast of trench TC93-11 (Figure 3.2). The centre of the trenches are strongly weathered to a limonitic boxwork and clay. The margins of the trenches are less weathered with pyrite still visible. The highest assays were obtained from TR94-1 where two samples from limonitic rock weathered to sericite and clay returned 1011 and 1515 ppb Au, and 9.3 and 11.5 ppm Ag over 1.5 metres. Samples from the rest of the trenches returned anomalous values which averaged between 225 and 821 ppb Au. Overall silver values from these trenches were more anomalous than those from trenches in the vicinity of the discovery trench and varied from 0.6 to 20 ppm.

TR94-5 was located 90 metres northeast of TR93-11 to evaluate another sub-parallel zone of sericite+quartz+pyrite alteration (Figure 3.2). Two trenches were excavated in this area in 1993 (TR93-12,13) to evaluate the potential of this zone and returned anomalous values which averaged between 455 and 1500 ppb Au and 2.2 and 128.8 ppm Ag. Trench TR94-5 is hosted by sericite+quartz+pyrite altered andesitic volcanic rocks of Unit 3. In the centre of the trench is a 1.5 metre wide zone of strong silicification hosting up to 15% disseminated pyrite. Samples from TR94-5 returned 1885, 1562 and 514 ppb Au and 5.9, 1.5 and 5.6 ppm Ag. The best gold values were obtained from the zone of silicification. A grab sample of semi-massive pyrite within a matrix of amorphous clay located 2 metres northwest of the trench assayed 2954 ppb Au.

Trenches TR94-8 and TR94-9 were located 210 metres northeast of the discovery trench, TR93-11. Trenching in this area exposed two parallel zones of sericite+quartz+pyrite alteration hosting zones of hydrothermal brecciation composed of quartz+barite fragments cemented by limonite and lesser clay. The structures are bounded by chlorite+sericite+pyrite altered massive volcanic rocks of Unit 3. Surrounding chlorite alteration is sub-anomalous with sericitic alteration assaying from 200 to 400 ppb Au. Hydrothermal breccias are anomalous, but assay values obtained from this zone were lower than those from the discovery trench. Samples from the breccia zones averaged between 53 and 1377 ppb Au and <0.2 to 10.7 ppm Ag.

Trenches TR94-10 and 11 were located at the extreme northeast extent of the Eureka zone. Both trenches are underlain by sericite+quartz+pyrite altered volcanic rocks of Unit 3. Samples taken from these trenches were sub-anomalous and varied from 23 to 683 ppb Au and 0.4 to 6 ppm Ag.

4.0 DRILLING PROGRAM

Phase two of the exploration program concentrated on evaluating the extent of mineralization beneath the Eureka and Orpiment zones. Seven diamond drill holes totalling 635 metres were drilled on the Eureka zone (Figure 4.1) and a single drill hole, TC94-8, totalling 231.5 metres was collared at the base of the Orpiment zone (Figure 4.13). The location and depth of the drill holes are listed in Table 4.1. As a result of poor ground conditions and thick moraine, drilling on the Eureka zone failed to fully test the extent of mineralization below the trace of the Eureka zone. Drill holes TC94-2 and 3 intersected the down dip extentention of surface mineralization exposed in surface trenches. Drill holes TC94-1, 6 and 7 had to be abandoned short of their targets due to poor rock conditions and TC94-4 was abandoned in moraine.

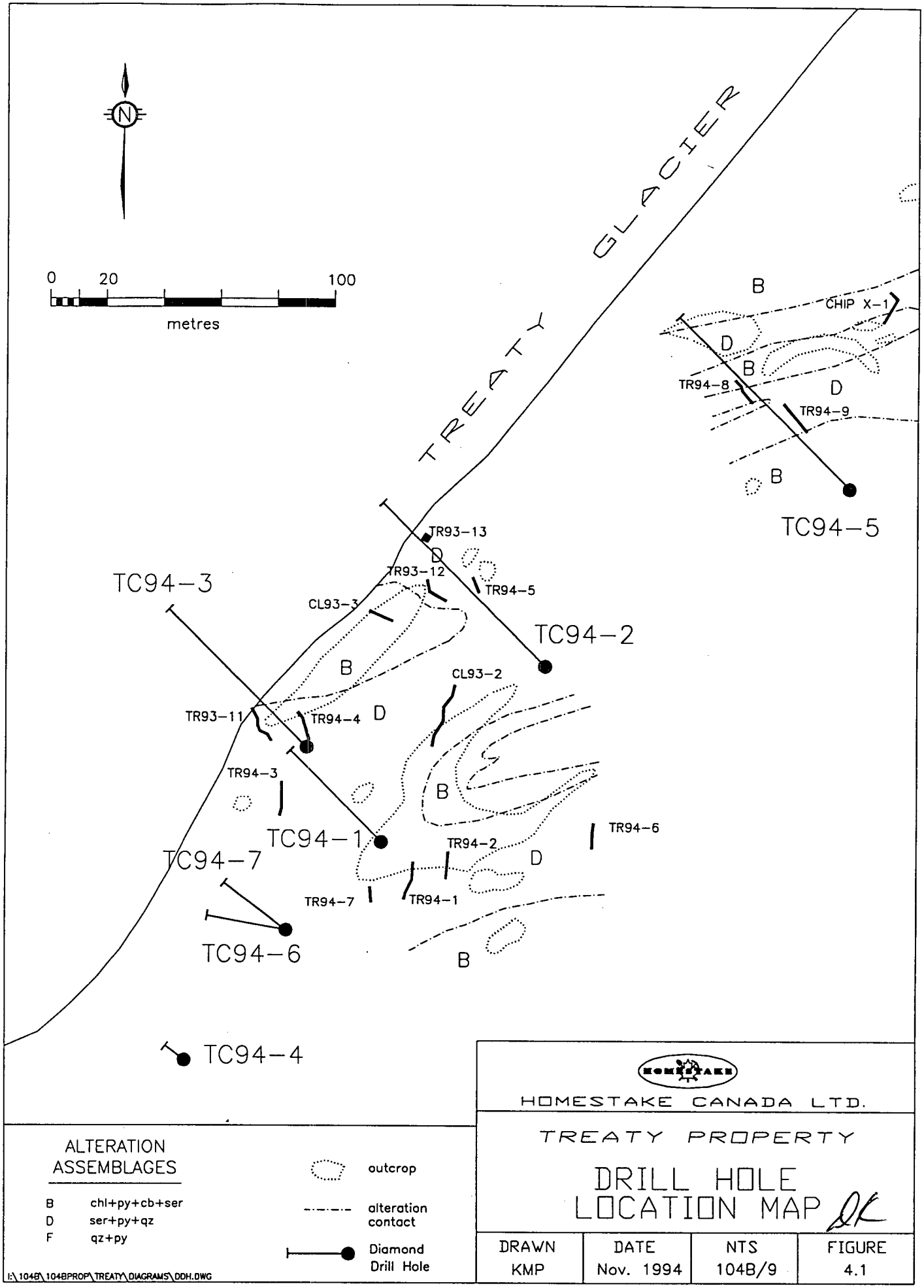
Drilling was completed between August 20 and September 17, 1994 by Silverton Drilling of Smithers, British Columbia. A JK1000 diamond drill recovering BQTK sized core was used during drilling.

Table 4.1 1994 Drill Hole Summary

HOLE #	LOCATION	AZIMUTH	DIP	LENGTH
TC94-1	EUREKA ZONE	315	-55	79.57
TC94-2	EUREKA ZONE	315	-55	141.82
TC94-3	EUREKA ZONE	315	-60	136.1
TC94-4	EUREKA ZONE	315	-60	26.8
TC94-5	EUREKA ZONE	315	-55	149.09
TC94-6	EUREKA ZONE	280	-60	54.88
TC94-7	EUREKA ZONE	307	-60	46.66
TC94-8	ORPIMENT ZONE	305	-60	231.5
TOTAL				866.42

4.1 Eureka zone

Drilling on the Eureka zone was instrumental in characterizing the alteration assemblages, style of mineralization and the depth of supergene oxidation. Drilling identified a zone of strong oxidation that extends up to 80 metres below the surface of the Eureka zone. Core samples in this oxidized zone are typically limonite and jarosite coated. Within zones of sericite+pyrite+quartz and kaolinite+quartz+pyrite alteration pyrite has been removed from the core leaving limonite stained cavities and quartz boxwork textures. Alteration assemblages dominated by sericite and kaolinite are typically altered to clay and jarosite. Chlorite dominated alteration assemblages are less affected by supergene weathering and are characterized by limonite coated fracture planes.


N
0
20
100
metres
TREATY GLACIER
TC94-3
TC94-2
TC94-5
TC94-1
TC94-7
TC94-6
TC94-4
TR93-13
TR93-12
TR94-5
CL93-3
CL93-2
TR93-11
TR94-4
TR94-3
TR94-2
TR94-6
TR94-7
TR94-1
TR94-8
TR94-9
CHIP X-1
B
D
F
ALTERATION ASSEMBLAGES
B chl+py+cb+ser
D ser+py+qz
F qz+py
outcrop
alteration contact
Diamond Drill Hole
HOMESTAKE CANADA LTD.
TREATY PROPERTY
DRILL HOLE LOCATION MAP
DRAWN KMP
DATE Nov. 1994
NTS 104B/9
FIGURE 4.1
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The Eureka zone is hosted entirely within volcanic rocks of the Betty Creek Formation (Unit 3). Lithologies include; massive plagioclase-phyric, lithic tuffs and plagioclase-phyric lapilli tuffs. The dominant style of alteration is grey to green coloured sericite+quartz+pyrite which grades into zones of dark grey kaolinite+quartz+pyrite alteration and pyritic silicification with increasing alteration. Pale green blebs of pyrophyllite were identified within sericite+quartz+pyrite alteration in drill holes TC94-1 and 2. Alteration changes from sericite+quartz+pyrite to chlorite+pyrite alteration with decreasing alteration intensity. Chlorite+pyrite alteration contains up to 10% sericite which preferentially replaces plagioclase crystals and lithic fragments.

Disseminated hematite is locally present in core and is present within all types of alteration.

Gold within the Eureka zone appears to be related to pyrite mineralization. Within drill core two modes of pyrite were observed: a fine grained (>0.5 mm) sub- to euhedral pyrite which is disseminated through the rock, and a coarse-grained (<1 mm) euhedral pyrite that commonly forms 2-5 mm wide blebs or is disseminated through the core. Mineralization is also related to quartz veins, pyrite veins and veins hosting coarse-grained, semi-massive pyrite within a matrix of amorphous silica and kaolinite. Table 4.2 lists the most significant intersections from the diamond drilling program on the Eureka zone.

Table 4.2 Significant intersections from the Eureka Zone

DRILL HOLE	INTERSECTION	ASSAY/WIDTH
TC94-1	42.5 - 48.25 m 53.8 - 58.7 m 69.59 - 73.6 m	1959 ppb Au/4.05 m 1216 ppb Au/4.9 m 1193 ppb Au/4.01 m
TC94-2	42.9 - 46.0 m 70.2 - 71.4 m 105.5 - 107 m	1335 ppb Au/3.1 m 1800 ppb Au/1.2 m 1975 ppb Au/1.5 m
TC94-3	9.0 - 12.3 m	1390 ppb Au/3.3 m
TC94-5	35.0 - 36.5 m 56.0 - 59.0 m	2235 ppb Au/1.5 m 1742 ppb Au/3.0 m
TC94-6	43.5 - 45.0 m	1000 ppb Au/1.5 m

4.1.1 Drill Summaries

DDH TC94-1

Drill hole TC94-1 was collared to intersect the Eureka zone 50 metres below trench TC93-11 (Figure 4.2). Due to poor ground conditions the hole was abandoned at the 79.57 metres. The hole intersected massive to fragmental volcanic rocks of Unit 3. These rocks are altered to sericite+pyrite+quartz from surface to the 75.5 metre interval. Below the 75.5 metre interval alteration consists of chlorite+pyrite±calcite. The core is strongly oxidized down to 75.5 metres with abundant quartz stockwork after pyrite and clay replacing sericite. The transition between chlorite and sericite alteration is marked by a zone of disseminated pyrite within sericite+quartz+pyrite alteration from 67 to 75 metres. The entire hole is elevated in Au with assays varying from 214 to 2510 ppb Au (Figure 4.3). Greater than 1 gpt Au values in the hole were obtained from pyrite, quartz and semi-massive pyrite veining similar that exposed on surface. The highest values were obtained from the semi-massive pyrite veining between 47.25 and 49.25 metres which assayed 2510 and 2000 ppb Au. These veins comprise coarse-grained pyrite within a matrix of amorphous clay and silica and are similar to mineralization sampled on surface (#10242). Elevated gold values were also obtained from sericite+quartz+pyrite alteration adjacent to chlorite alteration. Assay values from this transition from sericite to chlorite alteration returned > 1 gpt Au.

DDH TC94-2

Drill hole TC94-2 was collared 70 metres northwest of TC94-1 and drilled to a depth of 141.82 metres. The hole was oriented to intersect the trace of the Eureka zone beneath trench TR94-5 (Figure 4.4). The hole intersected massive to fragmental volcanic rocks of Unit 3. The hole is collared in chlorite+pyrite alteration that extends to 16.4 metres. Included within this zone is a 0.5 metre interval of hematitic silicification with disseminated pyrite between 7.8 and 8.3 metres. Alteration gradually changes below 30.2 metres into a zone of intense sericite+quartz+pyrite alteration downward into silicification and kaolinite+quartz+pyrite alteration which extends to 68.6 metres. Below this alteration intensity gradually decreases, alternating between chlorite+pyrite alteration and sericite+quartz+pyrite alteration. Sericite+quartz+pyrite alteration in the hanging wall of the silicified zone hosts 1 to 2% disseminated hematite along its contacts and minor pyrophyllite at the 15 metre interval. A zone of hydrothermal brecciation is also located within sericite+quartz+pyrite alteration between 30.2 and 34 metres. The breccia comprises angular fragments of sericite+quartz+pyrite altered wallrock within a matrix of clay and minor limonite. Pyritic silicification, intersected between 42.9 to 56 metres, hosts abundant quartz and lesser pyrite veining. Disseminated hematite within the silicification imparts a slight pink colour to the core. Kaolinite+quartz+pyrite alteration extends from the lower contact of the silicified zone to 68.6 metres. Kaolinite+quartz+pyrite alteration hosts abundant pyrite veining and minor zones of weak hematization. From 68.6 metres to the end of the hole chlorite+pyrite alteration and sericite+quartz+pyrite alteration host small zones of hematitic to grey, pyritic silicification and minor quartz and pyrite veining.

Drill hole TC94-2 is anomalous in gold the entire length of the hole with assays varying between 96 and 1975 ppb Au (Figure 4.5). Background values for gold are lowest in chlorite+pyrite alteration and increase within sericite+quartz+pyrite and kaolinite+quartz+pyrite alteration with silicification returning the highest values. Greater than 1 gpt Au assays were obtained from zones of hematitic silicification, quartz and pyrite veining. The highest assay, 1975 ppb Au over 1.5 metres was obtained from a quartz-chlorite vein hosting pyrite and a black unidentified sulphide.

Alteration zoning in TC94-2 is similar to that exposed on surface with alteration grading from sericite+quartz+pyrite to silicification to kaolinite+quartz+pyrite alteration from southeast to north west indicating that the Eureka zone may dip moderately southeast (Figure 4.5).

DDH TC94-3

TC94-3, collared immediately southeast of trench TR93-11 and northwest of DDH TC94-1 was drilled to a depth of 136.1 metres, (Figure 4.1). This hole was designed to explore the potential for mineralization within a sub-parallel zone beneath the Treaty Glacier (Figure 4.2). The hole intersected lithic fragmental and lapilli tuffs of Unit 3. Lapilli tuffs exposed between 45.8 and 65.75 metres are similar to those exposed on surface northwest of trench TR94-9. Alteration alternates between sericite+quartz+pyrite and chlorite+pyrite alteration. Both chlorite and sericite alteration host <1 cm wide quartz and pyrite veins oriented 45-90° to core axis. Hematization is only locally developed within chlorite+pyrite alteration near the base of the hole. Gypsum veins were identified in core at the 94.75 metre interval. Au varies from 1 to 1390 ppb Au. Although quartz and pyrite veining is present throughout the entire hole gold values appear to be related to alteration with sericite+quartz+pyrite alteration hosting the highest gold values (Figure 4.3).

DDH TC94-4

TC94-4 was located 115 metres south west of TC94-4 to test the southwest extension of the Eureka zone (Figure 4.1). The hole was located on thick moraine adjacent to the Treaty Glacier. The hole was abandoned at 26.8 metres in moraine (Figure 4.6).

DDH TC94-5

Drill hole TC94-5, collared 30 metres southeast of trench TR94-9, was located to test the extent of mineralization beneath trenches TR94-8 and 9 (Figure 4.7). The hole was collared in chlorite altered massive andesite and lesser fragmental rocks of Unit 3. Alteration alternates between dominantly chlorite+pyrite and quartz+sericite+pyrite alteration.

Gold grades in the hole are typically sub-anomalous varying from 10 to 600 ppb range (Figure 4.8). The best results were obtained from sericite+quartz+pyrite altered rocks between 35 to 36.5 metres which returned 2.5 gpt Au and from a zone of white quartz veins and surrounding wallrock which returned 2.4 and 1 gpt Au.

DDH TC94-6

Drill hole TC94-6 was collared 57 metres southwest of TC94-1 and oriented at 280 degrees in an attempt to intersect the trace of the Eureka zone in the vicinity of TC94-4 (Figure 4.1). The hole was drilled to a depth of 54.88 metres where it was abandoned due to poor ground conditions. The drill core is strongly oxidized and comprises dominantly sericite+quartz+pyrite alteration with kaolinite+quartz+pyrite alteration between 41 and 50 metres (Figure 4.9). Alteration increases in intensity between 13 and 30 metres to intense pyritic silicification and minor sericite. Disseminated hematite throughout the hole and is most noticeable within silicification and kaolinite+quartz +pyrite alteration.

The entire hole is anomalous in gold with background levels averaging between 117 to 1000 ppb Au. The highest value was from sericite+quartz+pyrite+hematite alteration which assayed 1000 ppb Au over 1.5 metres (Figure 4.10).

DDH TC94-7

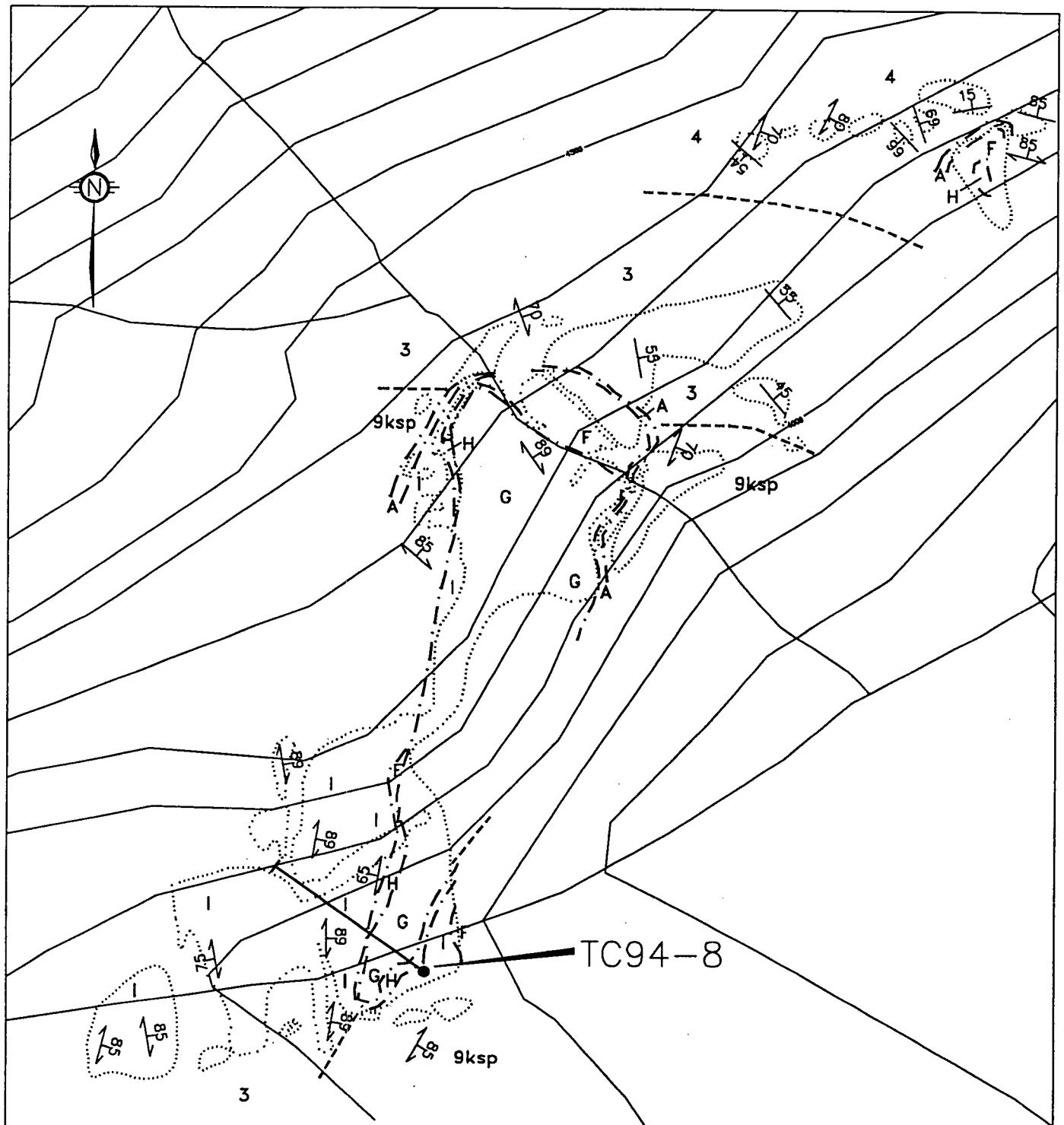
Drill hole TC94-7 was collared in the same location as TC94-6 and oriented at 305 degrees in an attempt to intersect the trace of the Eureka zone where TC94-6 had failed. The core is strongly oxidized and friable. The hole was drilled to 46.66 metres were it was abandoned because of poor ground conditions. The hole intersected massive and fragmental rocks of Unit 3 which are intruded by a chlorite+pyrite altered aphanitic dyke of Unit 6 (Figure 4.11). Alteration in zoned from a core of grey coloured kaolinite+quartz+pyrite from 18.8 to 27.84 metres outward to sericite+quartz+pyrite. Background levels for gold are anomalous averaging between 200 to 900 ppb Au (Figure 4.12).

4.2 Orpiment zone

A single hole was drilled on the Orpiment Zone to explore the potential of mineralization at depth. The hole was collared at the base of the Orpiment zone on the southeast side the zone of silicification (Figure 4.13). The hole was drilled oriented to intersect this zone of silicification at depth. Surface sampling completed during the first phase of exploration identified the zone of pyritic mineralization adjacent to the core of barren silicification as an area of elevated gold and mercury values.

DDH TC94-8

The hole is collared in mega-breccia of Unit 9ksp which is variably altered to quartz+kaolinite+pyrophyllite+pyrite and 2% disseminated hematite (Figure 4.14). From 14 metres to the end of the hole at 231.5 metres, alteration is hosted within strongly foliated volcanic breccias and tuffs of Unit 3. The dominant style of alteration is laminated quartz+pyrite+alunite with minor amounts of native sulfur. Kaolinite and pyrophyllite are present throughout the hole in varying concentrations. An increase in these two minerals corresponds to a decrease in the competency of the core. Laminated



Stratified Rocks

4 Toarcian sedimentary rocks

3 Betty Creek Formation

Intrusions

9ksp orthoclase porphyry stocks, dykes

contact, approximate

alteration contact

ALTERATION

A	chl+hem+ep
B	chl+py+cc
C	sil+hem+py
D	ser+qz+py
E	kaol+qz+py
F	pyroph+qz+py
G	sil
H	sil+py
I	qz+alu+py+/-kaol, pyroph

outcrop

drill hole

HOMESTAKE CANADA LTD.

TREATY PROPERTY
DRILL LOCATION
ORPIMENT ZONE

DRAWN	DATE	NTS	FIGURE
KMP	Nov. 1994	104B/9	4.13

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quartz+alunite+pyrite±kaolinite and pyrophyllite alteration extends from surface to a depth of 110.1 metres where it is intersected by several zones of silicification between 110.1 and 157.6 metres. In core, silicification occurs as micro-crystalline quartz with 5% fine-grained disseminated pyrite. Breccia textures are common in the zones with open spaces lined by drusy quartz. These zones are interpreted to be the vertical continuation of the silicified core observed at surface. Below the zones of silicification alteration comprises strongly laminated quartz+alunite+pyrite ±kaolinite and pyrophyllite which extends to the end of the hole.

Gold values in the hole are sub-anomalous and averaged between 1 and 315 ppb Au (Figure 4.14). The highest value was obtained from laminated quartz+alunite+pyrite alteration adjacent to the margin of the silicified core which assayed 315 ppb Au over 1.5 metres.

5.0 MINERALIZATION

Gold mineralization has been identified within four areas of hydrothermal alteration on the Treaty Creek property. These areas include the Treaty Nunatak, West Nunatak, Orpiment zone and GR-2 zone. Mineralization is hosted within altered andesitic volcanic rocks of the Betty Creek Formation (Unit 3), intrusive rocks of Units 9monz, 9di and 9ksp and to a lesser extent sedimentary and volcanic rocks of Units 1 and 2. Altered vesicular mafic dykes within the Eureka zone and intrusive rocks of Unit 9int north of the Main Gossan suggests that alteration may extend up into rocks equivalent to Unit 6.

Although spatially distinct, these four zones of hydrothermal alteration display similar factors which contribute to gold mineralization. These common factors include: sulphide mineralogy, veining and alteration. Gold mineralization is predominately associated with pyrite mineralization and to a lesser extent tetrahedrite, chalcopyrite, galena and sphalerite. Those styles of alteration hosting anomalous precious metal mineralization include sericite+quartz+pyrite, silicification and to a lesser extent kaolinite+quartz+pyrite and skarn-like alteration comprising chlorite+epidote+calcite+magnetite. Locally hematization appears to be an important factor in gold mineralization. Fe-carbonate+sericite+pyrite alteration on the GR-2 claims is weakly mineralized but hosts quartz-carbonate-sulphide veining anomalous in gold. Types of auriferous veining include pyrite, quartz-pyrite and quartz-carbonate-barite.

Assay values for surface samples collected during the 1994 Exploration program are listed in Appendix II and located on Figures 5.1, 5.2 and 3.2. Drill core assay values are tabulated in Appendix IV and located on Figures 4.2 through 4.15. The following section describes the mineralization within each area.

5.1 Treaty Nunatak

Significant gold mineralization on the Treaty Nunatak is restricted to the Eureka zone at the base of the Main Gossan (Figure 2.7) and is hosted within volcanic rocks of Unit 3 and intrusive rocks of Unit 9monz. Within the northeastern half of the Main Gossan samples of pyrophyllite, kaolinite and sericite alteration with disseminated pyrite returned assay values between <5 ppm

to 131 ppm Au. Assay values from these type of alteration with quartz veining returned slightly elevated gold values. Zones of pyritic silicification within this part of the Main Gossan returned elevated gold values averaging between 8 and 2341 ppb Au. These zones comprise coarse-to fine-grained disseminated pyrite within grey, variably hematized silicification. Gold values within pyritic silicification are crudely zoned with an increase in gold values from east to west along the north edge of the gossan. Higher gold values are also associated with degree of hematization. A grab sample 10305, situated 50 metres south of L13N, 1+75W, of hematitic silicification with disseminated pyrite assayed 2341 ppb Au over 1 metre. Barren silicification, situated at the top of the Main Gossan is similar to that exposed within the core of the Orpiment zone. Samples from this style of alteration assayed <5 ppb Au.

Outside of the Main Gossan, the only significant gold mineralization was identified within a discrete zone of chalcopyrite and malachite mineralization localized near the top of the nunatak. Mineralization is hosted within a foliated andesite dyke which cuts stratified rocks of Unit 4. A sample from this zone assayed 1.8 gpt Au, 99.5 gpt Ag and 6.49% Cu over 10 cm (#10251).

5.1.1 Eureka zone

Gold mineralization is predominately hosted by disseminated pyrite within zones of sericite, kaolinite alteration and silicification hosted by volcanic rocks of Unit 3. Pyrite in these zones commonly occurs as fine-grained and coarse-grained pyrite which occurs as disseminations and as small blebs. On surface weathered zones of sericite+quartz+pyrite alteration assayed up to 7889 ppb Au over 1.5 metres in trench TR93-11. In drill holes TC94-6 and 7 alteration comprises sericite+quartz+pyrite, kaolinite+quartz+pyrite and silicification with little or no veining. Assays from these two holes best reflects the background levels for these style of mineralization and averaged 570 ppb Au. Within sericite and kaolinite alteration and zones of silicification elevated gold mineralization is associated with: pyrite and quartz veining, narrow zones of coarse-grained, semi massive pyrite and within zones of weak hematization. Coarse-grained pyrite zones are hosted within a matrix of amorphous silica and kaolinite which in drill core form vein like zones >30 cm wide. Assays vary from 1080 ppb Au over 1.6 metres to 2510 ppb Au from a grab sample on surface which assayed 2954 ppb Au. Where pyrite and quartz veining are present samples including altered wallrock assay greater than 1.0 gpt Au. Altered rocks which host disseminated hematite are also elevated in gold and average greater than 1 gpt Au.

Gold values, within chloritic alteration hosting disseminated pyrite are elevated adjacent to sericitic alteration but decrease rapidly outward into zones of decreasing alteration. Gold mineralization within chlorite altered zones is restricted to pyrite-quartz veining. These veins contain minor tetrahedrite and galena mineralization and samples collected from these veins assayed between 2.3 and 10.7 gpt Au.

Surface exploration and diamond drilling on the Eureka zone has outlined a zone of >500 ppb Au mineralization centred around the discovery trench TR93-11 (Figure 3.2), extending northeast to drill hole TC94-2 and southwest towards drill holes TC94-6 and 7. The zone

measures approximately 130 metres along strike and dips moderately to the southeast where it is open at depth. The strike potential of the Eureka zone is limited to the southwest where it is interpreted to be truncated by the northwest striking Gossan Fault. To the northeast the Eureka zone appears to narrow into two zones of sericite+quartz+pyrite alteration with anomalous gold mineralization observed on surface and in drill hole TC94-5. It is possible that the Eureka zone plunges to the northeast below the trace TC94-5 where it is truncated by the Nunatak fault or gradually change orientation adjacent to the Nunatak Fault and extend eastward towards Sulfur Knob.

The potential for the Eureka zone to extent towards the northwest is limited since drill holes TC94-2 and 3 drilled through the zone into chlorite altered volcanic rocks of Unit 3 which host discrete zones of sericite+quartz+pyrite alteration with sub-anomalous gold values.

5.2 Orpiment Zone

The Orpiment zone, located 2 kilometres north of the Main Gossan forms a north trending zone 500 metres long and 300 metres wide with alteration exposed for 270 metres in elevation. The zone is predominately hosted by andesitic volcanic breccias and tuffs of the Betty Creek Formation. Intrusive rocks of Unit 9ksp are exposed along the margins of the zone. The Orpiment zone is weakly mineralized averaging between <5 and 688 ppb Au. Elevated gold mineralization was identified on the eastern margin of the zone where strongly sheared carbonaceous siltstone containing discrete lenses of coarse-grained pyrite-quartz mineralization parallel to the foliation assayed 3016 ppb Au over 1 metre.

Within the Orpiment zone elevated gold values are associated with pyritic silicification along the margin of the central core of barren silicification, and as small pods within quartz+alunite+pyrite$\pm$kaolinite and pyrophyllite alteration. Pyritic silicification assayed between 53 and 542 ppb Au on surface. In drill core weakly pyritic silicification in the core of the alteration zone was weakly anomalous in gold. Elevated gold mineralization is also contained within small pods of semi-massive fine-grained pyrite within quartz+alunite+pyrite$\pm$kaolinite and pyrophyllite alteration. Yellow to pale green quartz veins hosting stibnite assay up to 688 ppb Au. Pyritic silicification with yellow quartz veining is elevated in gold and highly anomalous in mercury assaying 309 ppb Au and >50 ppm Hg over 1 metre (#10212) and 273 ppb Au and 46.4 ppm Hg over 1 metre (#10223).

5.3 West Nunatak

Precious metal mineralization on the West Nunatak is hosted within the Goat Trail zone, Konkin zone, Aw and Ridge zones. The Goat Trail zone is the largest of these zones. Gold mineralization is hosted by sericite, kaolinite altered and silicified volcanic rocks of Unit 3 and a diorite intrusion. The Konkin zone contains high grade gold mineralization hosted within volcanic rocks of Unit 3 which are altered to chlorite, epidote, calcite, quartz, magnetite and hematite. The AW and Ridge zones, located at the top of the nunatak, are zones of base metal-rich, quartz-carbonate veining which are host to gold mineralization.

5.3.1 Goat Trail Zone

The Goat Trail zone is situated on the northeast end of the West Nunatak and is underlain by feldspar-phyric lapilli and tuff breccias of the Betty Creek Formation and medium-grained diorite of Unit 9di. Alteration comprises sericite+quartz+pyrite, chlorite+pyrite+calcite and pyritic silicification. The zone is bounded on its northwest and southeast margins by faults with kaolinite+quartz+pyrite alteration locally developed along their trace. The zone trends northeast and measures 700 metres long and 300 metres wide. Thirty-two rock samples were collected from the Goat Trail zone. Gold values varied from 63 ppb Au to 18262 ppb Au. Of the 32 rock samples collected from the Goat Trail zone 16 assayed greater than 1000 ppb Au.

Gold values are associated with pyrite-quartz veining, massive pyrite mineralization and kaolinite+quartz+pyrite alteration within fault zones. Pyrite veins up to 10 cm wide strike northwest to northeast and dip moderately. They consist of up to 90% coarse and fine-grained pyrite within a quartz matrix and assay between 1090 and 3440 ppb Au over narrow widths. Small zones of massive pyrite within sericite+quartz+pyrite alteration assay between 603 and 4573 ppb Au. Kaolinite+quartz+pyrite alteration localized along fault structures which weathers to a silica boxwork assay up to 9201 ppb Au over 0.5 metres (#11968). Along the northwest margin of the zone, a quartz-pyrite-galena vein, hosted within small zones of sericite+quartz+pyrite alteration assayed 18.3 gpt Au over 50 cm (#11960).

5.3.2 Konkin Zone

The Konkin zone was the object of a cursory examination during the 1994 season. The zone is underlain by volcanic rocks of the Betty Creek Formation. Gold values occur within a skarn like assemblage of chlorite, epidote, quartz, calcite, hematite and magnetite hosting pyrite and chalcopyrite mineralization. Samples collected in 1994 from this zone assayed 3.8 gpt Au over 1 metre and 107.9 gpt Au over 2 metres. To date the best result have been obtained from this zone was 28 opt Au from a sample of vuggy potassium feldspar-quartz-pyrite zone hosting native gold. Drilling on the Konkin zone (DDH87-2) intersected 3.3 metres of 0.46 oz/t within strongly silicified and pyritized wallrock hosting massive pyrite veins (Cremonese, 1987a and b).

5.3.3 AW zone

The AW zone is situated at the top of the West Nunatak and is underlain by sedimentary rocks of Unit 2 and volcanic rocks of Unit 1. The zone is exposed within a series of trenches and comprises quartz veining with up to 20% chalcopyrite and galena within silicified and sericitized wallrock. Surface samples collected from this zone by Tantalus Resources Ltd. assayed up to 5.2 opt Au and 27.3 opt Ag (Grove, 1994). In 1991, five diamond drill holes totalling 141 metres were collared to test the extent of mineralization within the AW zone. Of the five drill holes TC91-1 was the only hole to intersect mineralization and returned 0.159 oz/t Au and 6.94 oz/t Ag over 4.7 metres. Mineralization is characterized by up to 20% galena, 15% chalcopyrite and 10% pyrite within sericite+calcite altered volcanic rocks of Unit 1 (Chapman, 1991a and b).

5.3.4 Ridge zone

The Ridge zone, situated 300 metres north of the AW zone is underlain by andesite breccias of Unit 1. The zone comprises a 1 metre wide quartz-calcite-barite vein with galena, pyrite and lesser chalcopyrite mineralization that strikes 115° and dips 85° to the southwest. The veins is located within sericite+quartz+pyrite alteration that trends northeast. Grab samples collected by Tantalus Resources Ltd. returned up to 0.157 oz/t Au (Chapman, 1989).

5.3.5 GR-2 zone

The GR-2 zone is situated 1.5 kilometres northwest of the Main Gossan and is underlain by a mixed volcanic and sedimentary sequence of Stuhini Group 1 and overlying fossiliferous sediments which form the basal unit of the Unuk River Formation. Alteration comprises Fe carbonate+pyrite with white quartz veining and kaolinite+quartz+pyrite alteration at higher elevations. Quartz-carbonate veins hosting sphalerite, galena and pyrite mineralization were identified within Fe-carbonate+sericite+pyrite alteration on the Mama Susu A and B zones and massive specular hematite mineralization was identified within zones of kaolinite+quartz+pyrite alteration on the Mama Susu C zone (Figure 2.6).

A one day field examination of the GR-2 zone failed to identify any significant mineralization. Two samples collected of Fe-carbonate+pyrite alteration and quartz veining assayed sub 100 ppb Au. Grab samples of specular hematite mineralization and kaolinite+quartz+pyrite alteration assayed 324 and 228 ppb Au respectively. Surface samples collected by Tantalus Resources Ltd. of quartz-barite-calcite float on the A-zone assayed 0.346 opt Au and a narrow quartz vein hosting galena stibnite and malachite mineralization returned 0.138 opt Au and 72.2 opt Ag over 3.8 metres. Drilling on the GR-2 zone failed to intersect significant mineralization (Chapman, 1991a and b).

5.4 Discussion

Although spatially separate, the four main areas of alteration on the Treaty Creek property are considered to be different expressions of hydrothermal activity within a shallow-level intrusive system or an epithermal environment. Kaolinite, pyrophyllite, silicification, alunite and native sulphur within the Orpiment zone and Main Gossan are characteristic of high-sulphidation environment which typically forms near the upper-central regions of the hydrothermal systems. Quartz-carbonate-barite veins hosting base metal mineralization within zones of sericite+quartz+pyrite and Fe-carbonate+sericite+pyrite alteration, within the GR-2, AW and Ridge zones, are characteristic of low-sulphidation environments which form at lower temperatures peripheral to high sulphidation zones. The Eureka zone displays traits similar to both low- and high-sulphidation epithermal activity and is likely a product of both. The presence of pyrophyllite and alunite within the Eureka zone are characteristic of a high-sulphidation environment whereas chlorite and hematite alteration along its margins and adularia in the core of the zone are characteristic of a low-sulphidation environment. The Goat Trail zone is dominated by sericite+quartz+pyrite alteration and may represent the transition between the two environments.

The age of mineralization underlying the Treaty Creek property has been dated as 185 Ma or younger from a U-Pb zircon age of Unit 9monz within the Main Gossan. Mineralization is probably related to volcanic and intrusive activity during the Pliensbachian since alteration zones are hosted within or below volcanic rocks of the Betty Creek Formation and coeval intrusive rocks of Units 9monz and 9ksp. Regionally, a Pliensbachian age for mineralization underlying the Treaty creek alteration system is favoured since the property lies on the northwest end of a hydrothermal trend of known Pliensbachian age which includes Iron Cap and the Sulphurets gold camp. Alternatively, sericite+quartz+pyrite altered rocks of Unit 9int and mafic vesicular dykes possibly equivalent to Unit 6 within the Eureka zone suggest that alteration may be as young as Aalenian and cotemporal with mineralization at Eskay Creek.

With the exception of the GR-2 and Ridge zones, gold mineralization is related to pyrite mineralization. The presence of two modes of pyrite within the Eureka zone may be an important contributing factor in gold mineralization. Textural evidence suggests that pyrite formed in situ. The requisite amount of iron to form pyrite was most likely derived from the altering of mafic phenocrysts to sericite, kaolinite and pyrophyllite. The presence of native sulphur within quartz+alunite+pyrite alteration in the upper part of the Main Gossan and on the Orpiment zone suggests that hydrothermal fluids contained excessive sulphur activity. Deposition of gold with pyrite may have been enhanced by periodic fluctuations between oxidizing and reducing environments. The coexistence of hematite and pyrite with elevated gold values in the Eureka zone and in parts of the Main Gossan support this mechanism for gold precipitation.

Evidence for other modes of gold mineralization are best observed on the GR-2 , AW-Ridge and Orpiment zones. Gold mineralization underlying the GR-2 and AW-Ridge zone is related to low-temperature quartz-calcite-barite veins hosting base metal sulphide. Within the Orpiment zone elevated gold values are associated with very fine-grained pyrite within silicified zones. These zones are also highly anomalous in mercury, arsenic and antimony and may indicate the presence of other gold bearing sulphide species, i.e. enargite, tetrahedrite. Quartz veining with stibnite in the Orpiment zone assayed >600 ppb Au and supports the presence of other gold bearing species.

The Eureka zone, Goat Trail zone and Orpiment zone display features which suggest that structure control played an important role in developing and focusing gold mineralization. The northeast elongation of the Eureka zone suggests that the zone formed along a structural break. North striking high grade pyrite veins within adjacent chlorite altered rocks may have formed within dilational fractures and/or joints related to this structure. The orientation of these structures, if related, suggest the Eureka zone formed along a zone of sinistral motion coincident with the movement on the Nunatak Fault. Structure also controlled gold mineralization in the Goat Trail zone where the highest gold values were obtained from kaolinite+quartz+pyrite alteration localized along fault zones. The north elongation of the silicified core of the Orpiment zone is further evidence for a structural control on gold mineralization on the Treaty Creek property.

Finally, position within the hydrothermal system was likely a controlling factor for gold mineralization on the property. The presence of zones of barren silicification and laminated quartz+alunite+pyrite alteration at the top of the Main Gossan and within the Orpiment zone suggests a similar environment of formation. Both areas are weakly mineralized with assays averaging less than 600 ppb Au. The Eureka zone, situated 250 metres below the upper part of the Main Gossan, is significantly more anomalous in gold and may represent the main level of gold precipitation within the paleo-hydrothermal system. If the Main Gossan and Orpiment zone reflect similar elevations within the hydrothermal system, it is possible that precious metal mineralization within the Orpiment zone may exist below levels tested to date.

6.0 CONCLUSIONS

The Treaty Creek property, consisting of 26 claims totalling 310 units, is owned by Teuton Resources Corp. and currently under option to Prime Resources Group Inc. Previous work on the property, between 1984 and 1993 includes geological mapping, soil, rock, geophysical surveying and diamond drilling totalling 1473 metres in 18 drill holes.

The property is underlain by volcanic and sedimentary rocks of the Upper Triassic Stuhini Group and Jurassic Hazelton Group which are intruded by orthoclase porphyry, monzonite, diorite and felsic intrusions. The property lies along the eastern flank of the north plunging McTagg anticline and west of the Sulphurets Thrust Fault which has transported stratigraphy hosting the Treaty Creek property eastward over sedimentary rocks of the Bowser Lake Group. Stratigraphy generally strikes northwest and dips moderately to the northeast with variations in bedding caused by local faulting and folding.

Four main alteration zones are exposed on the Treaty Creek property. These include: the Treaty Nunatak, West Nunatak, Orpiment Zone and GR-2 zone (Figure 2.3). Alteration is dominated by chlorite, sericite, kaolinite, pyrophyllite and silicification with abundant quartz and pyrite and lesser calcite and alunite. Although spatially separate, the four main areas of alteration on the Treaty Creek property are considered to be different expressions of hydrothermal activity within an epithermal environment. Kaolinite, pyrophyllite, silicification, alunite and native sulphur within the Orpiment zone and Main Gossan are characteristic of a high-sulphidation environment which characteristically forms the upper-central parts of hydrothermal systems. Quartz-carbonate-barite veins hosting base metal mineralization within zones of sericite+quartz+pyrite and Fe-carbonate+sericite+pyrite alteration, within the GR-2 and Ridge zones, are characteristic of low-sulphidation environments which form at lower temperatures peripheral to high sulphidation zones. The Eureka zone displays traits similar to both low- and high-sulphidation epithermal activity and is likely a product of both. The Goat Trail zone, dominated by sericite+quartz+pyrite alteration may represent the transition between the two environments.

The age of mineralization underlying the Treaty Creek property has been dated as 185 Ma or younger from a U-Pb zircon age of Unit 9monz within the Main Gossan. Mineralization on the property is likely related to volcanic and intrusive activity during the Pliensbachian, and is similar to the age of mineralization within the Sulphurets camp to the southwest. A younger age for mineralization cannot be ruled out since altered dykes within the Eureka zone may be related to volcanic activity during the Aalenian.

Although spatially distinct, these four zones of hydrothermal alteration display similar factors which contribute to gold deposition. These common factors include: sulphide mineralogy, veining and alteration. Gold mineralization is predominately associated with pyrite mineralization and to a lesser extent tetrahedrite, chalcopyrite, galena and sphalerite. Those styles of alteration hosting anomalous precious metal mineralization include sericite+quartz+pyrite, silicification and to a lesser extent kaolinite+quartz+pyrite and skarn like alteration comprising chlorite+epidote+calcite+magnetite. Locally hematization appears

to be an important factor in gold mineralization. Fe-carbonate+sericite+pyrite alteration on the GR-2 claims is weakly mineralized but hosts quartz-carbonate-sulphide veining anomalous in gold. Types of auriferous veining include pyrite, quartz-pyrite and quartz-carbonate-barite.

In 1994 a two stage exploration program was carried out on the Treaty Creek property. The first stage comprised 1:5,000 and 1:2,500 scale geological mapping of the Treaty Nunatak and Orpiment Zone, 90 metres of blast trenching in 11 trenches and the development of 10.9 km of grid. Stage 2 of the program involved drilling seven diamond drill holes totalling 866.42 metres on the Eureka and Orpiment zones. Continued geological mapping concentrated on the West Nunatak and GR-2 zone. A total of 206 surface rock samples, 9 whole rock geochemistry samples and 569 core samples were collected for analysis. Work concentrated on exploring the Eureka zone which was discovered during 1993.

Results from the 1994 program identified two zones with potential to host precious metal mineralization. Surface exploration and diamond drilling on the Eureka zone has outlined a zone of >500 ppb Au mineralization centred around the discovery trench TR93-11 (Figure 3.2), extending northeast to drill hole TC94-2 and southwest towards drill holes TC94-6 and 7. The most significant results from this zone were obtained from surface and assayed 3.44 gpt Au over 10.5 metres (trench TR93-11). The zone measures approximately 130 metres along strike and dips moderately to the southeast where it is open at depth. The strike potential of the Eureka zone is limited to the southwest where it is interpreted to be truncated by the northwest striking Gossan Fault. To the northeast the Eureka zone appears to narrow into two zones of sericite+quartz+pyrite alteration with anomalous but sub-economic gold mineralization observed in trenches TR94-8 and 9 and in drill hole TC94-5. It is possible that the Eureka zone plunges to the northeast below the trace TC94-5 where it is truncated by the Nunatak fault or gradually change orientation adjacent to the Nunatak Fault and extend eastward towards Sulfur Knob.

The potential for the Eureka zone to extent towards the northwest is limited since drill holes TC94-2 and 3 drilled through the zone into chlorite altered volcanic rocks of Unit 3 which host discrete zones of sericite+quartz+pyrite alteration with sub-anomalous gold values.

Surface sampling on the Goat Trail zone identified a zone of greater than 1 gpt Au mineralization within a sericite+quartz+pyrite alteration zone which measures 750 metres long and 300 metres wide. Gold mineralization within the Goat Trail zone is hosted by pyrite veining, pods of massive pyrite and kaolinite+quartz+pyrite alteration within fault zones.

Surface mapping and rock sampling on the Orpiment zone identified a central core of barren silicification with pyritic margins which was anomalous in gold and mercury. A single diamond drill hole was located at the base of the Orpiment zone to evaluate the mineral potential of this zone at depth. Drilling intersected barren silicification at depth but assay values from the entire hole were sub anomalous averaging less than 600 ppb Au.

7.0 RECOMMENDATIONS

Additional work is required to fully test the gold bearing potential of the Eureka and Goat Trail zones. The Eureka zone has been exposed for 370 metres of strike length, 250 metres of which has been drill tested. A central core of anomalous gold mineralization has been identified between TC94-2 and TC94-6 and 7 and is centred around the discovery trench (TR93-11). Because of limited outcrop exposure in the hangingwall of the Eureka zone and poor ground conditions in the core of the zone, the Eureka zone may extend down dip and along strike to the southwest and to the northeast at depth. The Eureka zone appears to terminate to the northwest under the Treaty glacier and to the southwest at the Gossan Fault. However a sub-parallel structure northwest of the Eureka zone and under ice cover should not be ruled out. Assays from drill core recovered from beneath the highest surface gold values did not increase in width or grade.

The Goat Trail zone has been identified as a zone of anomalous gold mineralization that extends for 700 metres strike length and is open to the southeast beneath the Treaty glacier. Surface work identified three types of mineralization of which kaolinite+quartz+pyrite alteration within fault structures is likely to contain the best potential for gold mineralization.

Further work should include:

1): Trenching on the Goat Trail zone over its entire strike length to determine if wallrock alteration combined with pyrite veining and zones of massive pyrite mineralization combined host economic mineralization. Trenching of kaolinite+quartz+pyrite alteration along faults zones to determine continuity of gold mineralization along strike.

2): Geophysical surveys including EM and MAG are warranted on the Eureka zone and Goat Trail zone. An EM survey over the Eureka zone should extend from southwest of the Eureka zone, adjacent to the Gossan Fault northeast to the Nunatak Fault. EM conducted over the entire length of the Goat Trail zone would assist in identifying the extent of mineralization within this zone and identify those structures likely to host gold mineralization.

3): Should geophysics identify a previously unknown structure, following blast trenching and positive sample results, a drill capable of drilling NQ sized core should be employed on the Eureka zone.

4): Pending positive results from trenching and geophysical surveys the Goat Trail zone should be drilled. Previous drilling on the Goat Trail zone was collared too high on the slope above the zone to fully test the extent of mineralization. Drilling on the Goat Trail zone should also test the extent of mineralization to the northeast of the zone where it is covered by the Treaty Creek glacier.

8.0 REFERENCES

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9.0 STATEMENTS OF COSTS

Period: June 1, 1994 to September 30, 1994

Salaries

Field Crew

R. Britten	Regional Manager	5.0 days @ $480	2,400
D. Kuran	Senior Project Geologist	5.5 days @ $453	2,492
A. Kaip*	Project Geologist	60 days @ $217.9	13,072
K. Patterson*	Geologist	49 days @ $175.9	8,619
A. Walus	Geologist	57 days @ $245.75	14,008
D. Bezil	Core Splitter	33 days @ $160	5,280
C. Downie	Field Assistant	14.5 days @ $170.3	2,470
J. Lewis	Field Assistant	3.5 days @ $151.4	530
S. Ansel	Field Assistant	12 days @ $164.5	1,974

Technical Support

T. Samoil	Logistics	5 days @ $352	1,760
M. Kusnezov	Draft Person	11 days @ $320	3,520

Consulting

P. Lewis	Structural Geologist	2 days @ $400	800

* includes pre-field data analysis and post-field reporting

	Total	***56,925***

Field/Camp Costs

Camp Costs	12,275
Groceries	7,178
Camp Construction	4,006
Field Supplies	779
Total	***24,238***

Transportation/Air Support

Vehicle Rental	1,846
Vehicle Maintanence	169
Helicopter	63,985
Helicopter Fuel	4,234
Total	***70,234***

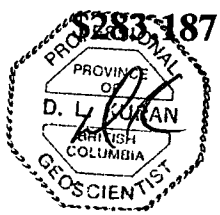
Travel

Lodging	77
Air Fare	1,930
Total	***2,007***

Geochemical Analysis		
Rock Samples	206 @ $17.25	3553.5
Whole Rock Samples	9 @ $231.25	281.25
Drill Core samples	569 @ $17.25	9815.25
	Total	***13,650***
Drilling		
Surface	866.42 m @ $107.3	92906
Mob/Demob		4200
	Total	***97,106***
Surface Work		
Trenching		5403
	Total	***5,403***
Support Activities		
Expediting		10,939
Communications		467
Maps/Publications/Photos		198
Drafting		415
Office Supplies		22
Freight/Shipping		1,583
	Total	***13,624***

Total expenditures

$283,187



Apportionment of Assessment work to the Treaty Creek property below:

Notice to Group	MEMPR - Event #	Amount
Treaty 1	3059850	$78,400
Treaty 2	3059852	$53,600
Treaty 3	3059856	$50,400
Treaty 4	3059858	$51,200
Treaty 5	3059860	$14,400
	Total	$248,000

With the balance of assessment work in the amount of $35,187 to be applied to Teuton Resources Corp. (FMC#126630) P.A.C. account.

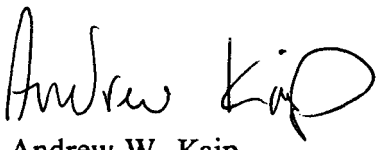
10.0 STATEMENT OF QUALIFICATIONS

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

1. I am a geologist in the employ of Homestake Canada Ltd.

2. I graduated in April, 1992 from Carleton University with a Bachelor of Science (Highest Honours).

3. 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.



Andrew W. Kaip

STATEMENT OF QUALIFICATIONS

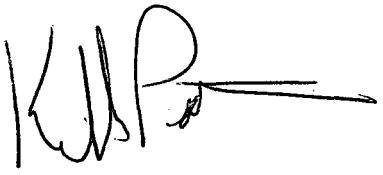
I, Keith M. Patterson, of 203-3824 West 4th Avenue, Vancouver, British Columbia, do hereby certify that:

1. I am a geologist in the employ of Homestake Canada Ltd.

2. I graduated in April, 1994 from the University of British Columbia with a bachelor of Applied Science, in the Mineral Exploration option of the Geological Engineering program.

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.



Keith M. Patterson

STATEMENT OF QUALIFICATIONS

I. DAVID L. KURAN of 25630 Bosonworth Avenue, in the municipality of Maple Ridge, British Columbia, 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 St., Vancouver, B.C. as a Senior Project Geologist.

6. I supervised the planning and implementation of the work described in this report was in daily communication with the project geologists on site and visited the project on a weekly basis for the duration of the project.

7. I consent to the use of this report concerning the 1994 exploration program carried out on the Treaty Creek mineral claims owned by Teuton Resources Corp.in the Skeena Mining Division, NTS 104 B9, for all corporate purposes relating to Prime Resources Group Inc. and Homestake Canada Inc. and Teuton Resources Corp.

Signed at Vancouver, British Columbia this day of December, 1994.

PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA D. L. KURAN GEOSCIENTIST

DAVID L. KURAN B.Sc., P. Geol., F.G.A.C.

APPENDIX I

ASSAY CERTIFICATES

Bondar Clegg
Inchcape Testing Services

Geochemical Lab Report

REPORT: V94-00771.1 (COMPLETE) REFERENCE:

CLIENT: HOMESTAKE MINERAL DEVELOPMENT COMPANY SUBMITTED BY: J. LEWIS
PROJECT: TREATY 90708 DATE PRINTED: 9-AUG-94

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au30	Gold	1	5 PPB	Fire Assay of 30g	ATOMIC ABSORPTION
2	Ag	Silver	1	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
3	Cu	Copper	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
4	Pb	Lead	1	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
5	Zn	Zinc	1	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
6	As	Arsenic	1	1.0 PPM		NEUTRON ACTIVATION
7	Sb	Antimony	1	0.2 PPM		NEUTRON ACTIVATION
8	Hg	Mercury	1	0.010 PPM	HCL:HNO3 (3:1)	COLD VAPOR AA

SAMPLE TYPES		NUMBER	SIZE FRACTIONS		NUMBER	SAMPLE PREPARATIONS	NUMBER
R	ROCK	1	2	-150	1	CRUSH/SPLIT & PULV.	1

REPORT COPIES TO: MR. RON BRITTEN
MR. D. RENNIE
MR. ANDREW KAIP

INVOICE TO: MR. D. RENNIE

Bondar-Clegg & Company Ltd.
130 Pemberton Avenue, North Vancouver, B.C., V7P 2R5, Canada
Tel: (604) 985-0681, Fax: (604) 985-1071

Bondar Clegg
Inchcape Testing Services

Geochemical
Lab
Report

DATE PRINTED: 9-AUG-94

REPORT: V94-00771.1 (COMPLETE) PROJECT: TREATY 90708 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM

Bondar-Clegg & Company Ltd.
130 Pemberton Avenue, North Vancouver, B.C., V7P 2R5, Canada
Tel: (604) 985-0681, Fax: (604) 985-1071

Bondar Clegg
Inchcape Testing Services

Geochemical Lab Report

DATE PRINTED: 9-AUG-94

REPORT: V94-00771.1 (COMPLETE) PROJECT: TREATY 90708 PAGE 2

STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM
BCC GEOCHEM STD 4		-	-	-	-	-	29.0	0.5	-
Number of Analyses		-	-	-	-	-	1	1	-
Mean Value		-	-	-	-	-	29.00	0.49	-
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		-	0.5	290	33	255	28.7	0.5	0.030
BCC GEOCHEM STD 3		-	4.7	811	251	473	-	-	3.139
Number of Analyses		-	1	1	1	1	-	-	1
Mean Value		-	4.70	811.0	250.8	472.7	-	-	3.1387
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		-	5.0	820	250	500	310.0	70.0	3.550
ANALYTICAL BLANK		-	<0.2	<1	<2	<1	-	-	<0.010
Number of Analyses		-	1	1	1	1	-	-	1
Mean Value		-	0.10	0.5	1.0	0.5	-	-	0.0050
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		5	0.2	1	2	1	<0.1	<0.1	0.005
HIGH GOLD STANDARD		496	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-
Mean Value		496.2	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		500	-	-	-	-	-	-	-

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Inchcape Testing Services

Geochemical Lab Report

REPORT: V94-00771.0 (COMPLETE) REFERENCE:

CLIENT: HOMESTAKE MINERAL DEVELOPMENT COMPANY SUBMITTED BY: J. LEWIS
PROJECT: TREATY 90708 DATE PRINTED: 9-AUG-94

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au30	Gold	38	5 PPB	Fire Assay of 30g	ATOMIC ABSORPTION
2	Ag	Silver	38	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
3	Cu	Copper	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
4	Pb	Lead	38	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
5	Zn	Zinc	38	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
6	As	Arsenic	38	1.0 PPM		NEUTRON ACTIVATION
7	Sb	Antimony	38	0.2 PPM		NEUTRON ACTIVATION
8	Hg	Mercury	38	0.010 PPM	HCL:HNO3 (3:1)	COLD VAPOR AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	39	2 -150	39	CRUSH/SPLIT & PULV.	39

REMARKS: IS indicates Insufficient Sample

REPORT COPIES TO: MR. RON BRITTEN
MR. D. RENNIE
MR. ANDREW KAIP

INVOICE TO: MR. D. RENNIE

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Geochemical Lab Report

DATE PRINTED: 9-AUG-94

REPORT: V94-00771.0 (COMPLETE) PROJECT: TREATY 90708 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM
R2 10201		13	<0.2	5	25	3	498.0	121.0	5.100
R2 10202		6	0.4	11	616	39	400.0	159.0	2.809
R2 10203		668	2.6	28	15	21	90.0	2880.0	5.090
R2 10204		7	0.4	7	16	2	30.0	43.0	0.385
R2 10205		103	0.2	5	16	<1	>10000	398.0	0.541
R2 10206		542	5.4	9	14	6	63.0	57.6	1.972
R2 10207		177	0.9	7	64	30	37.0	68.8	2.124
R2 10208		213	3.5	28	58	10	261.0	199.0	8.805
R2 10209		297	0.7	8	8	5	36.0	63.3	0.705
R2 10210		52	<0.2	5	14	<1	33.0	21.8	1.629
R2 10211		53	0.2	18	13	<1	16.0	25.6	2.067
R2 10212		309	0.9	21	12	<1	34.0	70.7	>50.000
R2 10213		11	0.2	5	118	<1	124.0	119.0	4.840
R2 10214		19	<0.2	4	61	<1	58.0	121.0	1.223
R2 10215		13	0.9	927	4	15	714.0	45.8	4.670
R2 10216		IS	NS						
R2 10217		26	<0.2	6	15	1	12.0	12.0	1.622
R2 10218		47	0.3	5	390	<1	40.0	228.0	1.522
R2 10219		3061	0.7	17	27	4	276.0	73.2	6.882
R2 10220		16	0.4	15	15	5	28.0	10.0	1.783
R2 10221		<5	0.5	4	4	2	10.0	12.0	5.122
R2 10222		<5	0.2	4	10	<1	8.5	2.2	2.759
R2 10223		273	0.2	20	20	526	61.0	14.0	46.393
R2 11701		9	0.2	8	10	30	200.0	45.7	0.547
R2 11702		155	1.3	9	52	5	54.0	29.6	1.417
R2 11704		10	1.0	7	14	1	30.0	27.9	1.115
R2 11705		<5	<0.2	5	78	<1	25.0	94.8	1.569
R2 11706		6	0.3	46	18	6	157.0	4.1	0.924
R2 11707		60	0.3	3	18	3	7.2	20.0	1.258
R2 11708		<5	0.3	20	10	6	33.0	13.0	1.755
R2 11709		7	0.4	11	<2	43	35.0	13.0	8.857
R2 11710		<5	0.2	184	9	53	40.0	3.7	0.150
R2 11711		18	0.3	3	15	<1	11.0	89.7	0.328
R2 11713		7	0.3	4	11	33	12.0	1.9	0.105
R2 11714		6	0.6	1	74	30	6.3	7.1	0.429
R2 11715		7	0.3	14	5	9	15.0	8.1	0.720

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Geochemical Lab Report

DATE PRINTED: 9-AUG-94

REPORT: V94-00771.0 (COMPLETE) PROJECT: TREATY 90708 PAGE 2

STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM
BCC GEOCHEM STD 3		-	5.1	829	241	479	301.0	67.6	3.549
BCC GEOCHEM STD 3		-	-	-	-	-	312.0	71.5	-
Number of Analyses		-	1	1	1	1	2	2	1
Mean Value		-	5.10	829.0	241.0	479.0	306.50	69.55	3.5488
Standard Deviation		-	-	-	-	-	7.778	2.758	-
Accepted Value		-	5.0	820	250	500	310.0	70.0	3.550
HIGH GOLD STANDARD		546	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-
Mean Value		546.4	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		500	-	-	-	-	-	-	-
LOW AU STANDARD		16	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-
Mean Value		16.0	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		17	-	-	-	-	-	-	-
ANALYTICAL BLANK		-	<0.2	<1	<2	<1	-	-	<0.010
ANALYTICAL BLANK		-	<0.2	<1	<2	<1	-	-	<0.010
Number of Analyses		-	2	2	2	2	-	-	2
Mean Value		-	0.10	0.5	1.0	0.5	-	-	0.0050
Standard Deviation		-	<0.001	<0.01	<0.01	<0.01	-	-	<.00001
Accepted Value		5	0.2	1	2	1	<0.1	<0.1	0.005
BCC GEOCHEM STD 5		-	0.8	95	11	82	-	-	0.040
Number of Analyses		-	1	1	1	1	-	-	1
Mean Value		-	0.80	95.0	11.0	82.0	-	-	0.0400
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		-	0.7	90	11	80	-	-	0.035

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Geochemical Lab Report

DATE PRINTED: 9-AUG-94

REPORT: V94-00771.0 (COMPLETE) PROJECT: TREATY 90708 PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM
10202		6	0.4	11	616	39	400.0	159.0	2.809
Duplicate		12	0.6	10	629	49			3.024
10214		19	<0.2	4	61	<1	58.0	121.0	1.223
Prep Duplicate		22	<0.2	4	66	<1	59.0	116.0	1.282
10220		16	0.4	15	15	5	28.0	10.0	1.783
Duplicate			0.5	14	18	6			1.686
11702		155	1.3	9	52	5	54.0	29.6	1.417
Duplicate		158							
94RMB17		1426	11.2	170	2075	198	203.0	8.7	0.930
Duplicate			11.2	173	2065	199			0.940

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Geochemical Lab Report

REPORT: V94-00785.0 (COMPLETE)

REFERENCE:

CLIENT: HOMESTAKE MINERAL DEVELOPMENT COMPANY

SUBMITTED BY: UNKNOWN

PROJECT: 90708

DATE PRINTED: 11-AUG-94

	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
1	Au30	Gold	31	5 PPB	Fire Assay of 30g	ATOMIC ABSORPTION
2	Ag	Silver	31	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
3	Cu	Copper	31	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
4	Pb	Lead	31	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
5	Zn	Zinc	31	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
6	As	Arsenic	31	1.0 PPM		NEUTRON ACTIVATION
7	Sb	Antimony	31	0.2 PPM		NEUTRON ACTIVATION
8	Hg	Mercury	31	0.010 PPM	HCL:HNO3 (3:1)	COLD VAPOR AA
9	SiO2	Silica (SiO2)	5	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
10	TiO2	Titanium (TiO2)	5	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
11	Al2O3	Alumina (Al2O3)	5	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
12	Fe2O3*	Total Iron (Fe2O3)	5	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
13	MnO	Manganese (MnO)	5	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
14	MgO	Magnesium (MgO)	5	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
15	CaO	Calcium (CaO)	5	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
16	Na2O	Sodium (Na2O)	5	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
17	K2O	Potassium (K2O)	5	0.05 PCT	BORATE FUSION	INDUC. COUP. PLASMA
18	P2O5	Phosphorous (P2O5)	5	0.03 PCT	BORATE FUSION	INDUC. COUP. PLASMA
19	LOI	Loss on Ignition	5	0.05 PCT	Ignition 1000 Deg. C	GRAVIMETRIC
20	Total	Whole Rock Total	5	0.01 PCT		
21	BaO	Barium Oxide	5	0.001 PCT	BORATE FUSION	INDUC. COUP. PLASMA
22	Cr2O3	Chromium Oxide	5	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
23	S Tot	Sulphur (Total)	5	0.02 PCT		LECO

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	36	2 -150	36	CRUSH/SPLIT & PULV.	36

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MR. RON BRITTEN
MR. ANDREW KAIP

INVOICE TO: HOMESTAKE MIN. DEV. CO.

HOMESTAKE CANADA INC.

Rec'd		Extensions		Approved	
Ent #	Corp CC	Site CC	Nat Acct	Sub-Acct	Amount

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Inchcape Testing Services

Geochemical Lab Report

REPORT: V94-00785.0 (COMPLETE)

DATE PRINTED: 11-AUG-94
PROJECT: 90708 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT	BaO PCT	Cr2O3 PCT	S Tot PCT
10224		<5	0.6	62	10	145	25.0	1.5	0.129															
10225		<5	0.6	76	13	132	16.0	2.5	0.166															
10226		<5	0.3	5	14	42	10.0	2.9	0.098															
10227		<5	0.3	6	6	27	7.1	2.3	0.056															
10228		<5	<0.2	3	<2	113	2.1	0.6	<.010															
10229		<5	<0.2	5	3	3	8.0	1.8	0.262															
10230		75	1.1	91	24	115	69.0	10.0	0.046															
10601										58.96	0.79	16.73	8.82	<.01	2.15	1.01	2.96	3.01	0.49	3.75	98.87	0.201	<0.01	0.74
10603										49.70	0.95	14.80	8.81	0.07	6.96	10.13	2.63	1.74	0.70	4.31	100.96	0.145	0.03	<0.02
10801		118	5.2	36	1053	737	267.0	24.1	0.932															
10802		488	13.4	32	1170	551	233.0	29.1	0.666															
10803		718	7.4	59	192	19	89.0	23.9	0.376															
10804		565	6.0	86	169	30	115.0	25.7	0.652															
10805		625	6.7	187	97	41	288.0	40.5	0.675															
10806		1011	9.3	85	31	20	171.0	62.3	0.264															
10807		1515	11.5	42	71	21	247.0	56.7	0.569															
10808		551	14.5	16	147	19	202.0	67.7	0.854															
10809		351	4.5	111	121	40	126.0	29.6	0.980															
10810		414	4.3	88	130	29	212.0	51.2	0.816															
10811		556	5.9	22	37	10	200.0	36.0	0.744															
10812		225	1.2	18	19	10	126.0	7.1	0.042															
10813		259	3.0	61	77	43	394.0	14.0	0.098															
10814		258	2.4	23	34	31	137.0	8.2	0.086															
10823		528	2.7	44	28	17	128.0	5.2	0.039															
10824		621	5.9	17	505	152	189.0	18.0	0.677															
10825		1665	4.3	15	27	11	219.0	43.4	0.274															
10826		797	4.6	3	61	7	35.0	66.9	0.355															
10827		1163	3.4	4	97	11	46.0	20.0	0.436															
10828		1365	5.6	7	100	19	78.0	27.7	0.659															
11602										76.56	0.28	12.68	1.52	<.01	0.67	0.01	3.13	3.80	0.12	0.81	99.87	0.260	0.03	0.15

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Geochemical Lab Report

DATE PRINTED: 11-AUG-94

REPORT: V94-00785.0 (COMPLETE)

PROJECT: 90708

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT	BaO PCT	Cr2O3 PCT	S Tot PCT
11651										70.16	1.19	10.11	9.55	<.01	3.82	<0.01	1.64	0.62	0.17	3.44	100.73	0.033	<0.01	0.25
11652										99.00	0.59	0.10	0.48	<.01	0.01	<0.01	0.06	<.05	0.09	0.15	100.54	0.010	0.05	<0.02
11716		<5	0.4	34	<2	48	23.0	12.0	0.334															
11717		<5	<0.2	11	9	143	14.0	5.5	0.103															
11718		31	0.5	82	34	23	131.0	9.0	0.134															
11719		73	0.4	14	12	72	16.0	1.9	<.010															

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Inchcape Testing Services

Geochemical Lab Report

REPORT: V94-00785.0 (COMPLETE)

DATE PRINTED: 11-AUG-94
PROJECT: 90708 PAGE 3

STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT	BaO PCT	Cr2O3 PCT	S Tot PCT
BCC GEOCHEM STD 3		-	-	-	-	-	337.0	74.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BCC GEOCHEM STD 3		-	-	-	-	-	313.0	69.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		69	69	69	69	69	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Mean Value		-	-	-	-	-	325.0	72.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	17.0	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	5.0	820	250	500	310.0	70.0	3.550	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HIGH GOLD STANDARD		506	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		506	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BCC GEOCHEM STD 5		-	0.8	87	10	75	-	-	0.043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.8	87	10	75	-	-	0.043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.7	90	11	80	-	-	0.035	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOW AU STANDARD		19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CANMET Std PR-1		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.77
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.77
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.79

Bondar Clegg
Inchcape Testing Services

Geochemical Lab Report

REPORT: V94-00785.0 (COMPLETE)

DATE PRINTED: 11-AUG-94

PROJECT: 90708 PAGE 4

STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT	BaO PCT	Cr2O3 PCT	S Tot PCT
BCC Rock Std 1989		-	-	-	-	-	-	-	-	60.53	0.91	12.07	6.97	0.09	3.60	5.98	1.31	2.18	0.19	-	94.21	0.332	0.05	-
Number of Analyses		-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	-	-	-	-	-	-	60.53	0.91	12.07	6.97	0.09	3.60	5.98	1.31	2.18	0.19	-	94.21	0.332	0.05	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	60.40	0.90	12.10	6.90	0.09	3.50	5.90	1.30	2.10	0.19	5.00	-	-	-	-
ANALYTICAL BLANK		-	<0.2	<1	<2	<1	-	-	<.010	<0.01	<.01	<0.01	<0.01	<.01	<.01	<0.01	<.01	<.05	<.03	-	-	<.001	<0.01	-
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.1	0.5	1	0.5	-	-	0.005	0.005	.005	0.005	0.005	.005	.005	0.005	.005	0.03	0.02	-	-	.0005	0.005	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5	0.2	1	2	1	0.005	.005	0.005	<.001	<.01	<.001	<.0001	<.01	<.01	<.001	<.01	<.01	<.01	<.001	<.0001	<.001	<.001	<.001
BCC HI LOI STD 1983		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.87	-	-	-	-
Number of Analyses		41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	1	1	1	1	1
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.87	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.40	-	-	-	-

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Geochemical Lab Report

REPORT: V94-00785.0 (COMPLETE)

DATE PRINTED: 11-AUG-94
PROJECT: 90708 PAGE 5

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT	BaO PCT	Cr2O3 PCT	S Tot PCT
10229		<5	<0.2	5	3	3	8.0	1.8	0.262															
Duplicate		<5	<0.2	5	2	3			0.289															
10230		75	1.1	91	24	115	69.0	10.0	0.046															
Duplicate							63.0	10.0																
10601										58.96	0.79	16.73	8.82	<.01	2.15	1.01	2.96	3.01	0.49	3.75	98.87	0.201	<0.01	0.74
Duplicate																				3.67				
10824		621	5.9	17	505	152	189.0	18.0	0.677															
Duplicate			6.0	18	511	151			0.742															
11651										70.16	1.19	10.11	9.55	<.01	3.82	<0.01	1.64	0.62	0.17	3.44	100.73	0.033	<0.01	0.25
Prep Duplicate										70.54	1.20	10.09	9.57	<.01	3.82	<0.01	1.64	0.61	0.14	3.53		0.034	<0.01	0.23
11652										99.00	0.59	0.10	0.48	<.01	0.01	<0.01	0.06	<.05	0.09	0.15	100.54	0.010	0.05	<0.02
Duplicate																								<0.02
11717		<5	<0.2	11	9	143	14.0	5.5	0.103															
Duplicate		<5																						
Prep Duplicate										70.54	1.20	10.09	9.57	<.01	3.82	<0.01	1.64	0.61	0.14	3.53		0.034	<0.01	0.23
Duplicate										71.00	1.20	10.09	9.83	<.01	4.06	<0.01	1.57	0.63	0.07			0.033	<0.01	

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Geochemical Lab Report

REPORT: V94-00865.0 (COMPLETE) REFERENCE:

CLIENT: HOMESTAKE MINERAL DEVELOPMENT COMPANY SUBMITTED BY: UNKNOWN
PROJECT: 90708 DATE PRINTED: 11-AUG-94

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au30	Gold	68	5 PPB	Fire Assay of 30g	ATOMIC ABSORPTION
2	Ag	Silver	68	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
3	Cu	Copper	68	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
4	Pb	Lead	68	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
5	Zn	Zinc	68	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
6	As	Arsenic	68	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
7	Sb	Antimony	68	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
8	Hg	Mercury	68	0.010 PPM	HCL:HNO3 (3:1)	COLD VAPOR AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	68	2 -150	68	CRUSH/SPLIT & PULV.	68
				EXC.WET(SLOP)/SAMPLE	68

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MR. ANDREW KAIP

INVOICE TO: MR. RON BRITTEN

HOMESTAKE CANADA INC.

Rec'd		Extensions		Approved	
E.	C	Site CC	Nat Acct	Sub-Acct	Amount
GST					
	00	6000	220	00650	

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Geochemical Lab Report

DATE PRINTED: 11-AUG-94

REPORT: V94-00865.0 (COMPLETE) PROJECT: 90708 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM
R2 10231		61	0.5	9	45	107	<5	<5	0.079
R2 10232		14	<0.2	7	5	4	8	10	0.342
R2 10233		8	<0.2	9	<2	3	<5	<5	0.109
R2 10234		11	<0.2	6	5	45	32	<5	0.041
R2 10235		<5	<0.2	11	14	59	8	<5	0.153
R2 10236		516	13.0	25	349	20	327	7	0.165
R2 10237		203	4.7	25	66	18	105	<5	0.048
R2 10238		58	0.5	6	23	4	10	<5	0.044
R2 10239		21	0.2	14	9	54	18	<5	0.014
R2 10242		2954	3.6	44	131	22	1123	<5	0.982
R2 10243		443	4.2	8	1049	5	369	34	0.385
R2 10244		1653	48.1	15	142	154	90	214	5.736
R2 10245		1050	8.2	29	126	18	369	13	0.893
R2 10246		3393	7.5	46	24	18	486	<5	1.207
R2 10247		3315	6.3	36	48	11	1217	14	0.490
R2 10248		4491	11.6	12	273	4	797	21	0.441
R2 10249		2302	9.0	4	359	4	425	<5	0.442
R2 10250		7889	10.4	6	64	4	159	9	0.778
R2 10815		672	2.6	13	152	6	197	13	0.130
R2 10816		298	1.7	21	248	12	157	5	0.098
R2 10817		403	2.9	41	236	21	224	<5	0.121
R2 10818		395	1.8	42	81	23	148	<5	0.464
R2 10819		602	3.6	45	278	20	231	12	0.771
R2 10820		390	0.9	40	56	28	128	<5	0.072
R2 10821		974	1.9	14	69	6	210	<5	0.175
R2 10822		1065	4.2	25	164	12	265	<5	0.198
R2 10829		1885	5.9	33	66	4	187	10	0.309
R2 10830		1562	1.5	58	79	6	240	<5	0.048
R2 10831		514	0.5	65	56	66	115	<5	0.020
R2 10832		375	0.6	4	37	4	70	<5	0.074
R2 10833		236	0.7	4	15	4	123	<5	0.072
R2 10834		317	1.8	17	151	7	116	15	0.387
R2 10835		585	4.1	21	224	14	85	29	1.124
R2 10836		493	11.5	19	1162	35	59	44	3.729
R2 10837		821	4.8	22	201	21	126	<5	0.428
R2 10838		459	20.8	119	352	29	85	102	5.997
R2 10839		427	8.1	6	135	7	179	42	1.217
R2 10840		674	0.5	15	20	26	139	<5	0.087
R2 10841		726	0.8	6	32	14	106	<5	0.176
R2 10842		445	0.5	18	18	23	49	<5	0.044

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Inchcape Testing Services

Geochemical Lab Report

DATE PRINTED: 11-AUG-94

REPORT: V94-00865.0 (COMPLETE) PROJECT: 90708

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM
R2 10843		521	9.1	74	52	48	11	<5	0.736
R2 10844		13	<0.2	17	6	67	9	<5	0.044
R2 10845		53	<0.2	246	65	350	22	<5	0.043
R2 10846		70	<0.2	406	103	739	55	<5	0.047
R2 10847		432	2.6	137	85	343	53	<5	0.033
R2 10848		364	2.1	111	59	289	93	<5	0.032
R2 10849		1377	10.7	56	63	121	183	<5	0.104
R2 10850		314	0.9	211	202	610	59	<5	0.057
R2 10851		115	1.6	88	1088	101	34	<5	0.014
R2 10852		299	0.9	61	34	100	50	<5	0.026
R2 10853		201	4.1	25	196	21	151	<5	0.194
R2 10854		66	0.2	208	294	65	51	<5	0.098
R2 10855		400	2.3	76	333	45	198	6	0.192
R2 10856		290	2.0	127	150	82	115	<5	0.114
R2 10857		434	1.8	111	24	113	259	<5	0.061
R2 10858		270	0.8	131	73	148	137	<5	0.047
R2 10859		861	2.9	76	76	93	318	<5	0.137
R2 10860		397	0.7	72	12	94	234	<5	0.029
R2 10861		223	6.0	710	41	171	325	92	0.914
R2 10862		683	3.9	326	144	340	336	48	0.334
R2 10863		23	0.4	30	27	125	30	<5	0.058
R2 10864		151	2.9	44	337	621	244	8	0.679
R2 11720		12	<0.2	160	25	51	40	<5	0.108
R2 11721		46	0.7	80	81	82	200	<5	0.035
R2 11722		<5	<0.2	4	7	1	10	<5	0.053
R2 11723		15	<0.2	5	14	3	23	<5	0.045
R2 11724		10	<0.2	7	15	5	19	<5	0.186
R2 11725		13	<0.2	27	8	81	29	<5	0.040

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Geochemical Lab Report

DATE PRINTED: 11-AUG-94

REPORT: V94-00865.0 (COMPLETE) PROJECT: 90708 PAGE 3

STANDARD NAME / ELEMENT / UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM
HIGH GOLD STANDARD	499	-	-	-	-	-	-	-
Number of Analyses	1	-	-	-	-	-	-	-
Mean Value	499.2	-	-	-	-	-	-	-
Standard Deviation	-	-	-	-	-	-	-	-
Accepted Value	500	-	-	-	-	-	-	-
BCC GEOCHEM STD 5	-	0.2	89	9	75	<5	<5	0.044
Number of Analyses	-	1	1	1	1	1	1	1
Mean Value	-	0.23	88.8	9.3	75.0	2.5	2.5	0.0437
Standard Deviation	-	-	-	-	-	-	-	-
Accepted Value	-	0.7	90	11	80	8	1	0.035
LOW AU STANDARD	15	-	-	-	-	-	-	-
Number of Analyses	1	-	-	-	-	-	-	-
Mean Value	15.0	-	-	-	-	-	-	-
Standard Deviation	-	-	-	-	-	-	-	-
Accepted Value	17	-	-	-	-	-	-	-
ANALYTICAL BLANK	<5	<0.2	<1	<2	<1	<5	<5	<0.010
ANALYTICAL BLANK	-	<0.2	<1	<2	<1	<5	<5	<0.010
Number of Analyses	1	2	2	2	2	2	2	2
Mean Value	2.5	0.10	0.5	1.0	0.5	2.5	2.5	0.0050
Standard Deviation	-	<0.001	<0.01	<0.01	<0.01	<0.01	<0.01	<.00001
Accepted Value	5	0.2	1	2	1	5	5	0.010
BCC GOLD STD 90-3	779	-	-	-	-	-	-	-
Number of Analyses	1	-	-	-	-	-	-	-
Mean Value	779.4	-	-	-	-	-	-	-
Standard Deviation	-	-	-	-	-	-	-	-
Accepted Value	765	68.6	-	-	-	-	-	-
BCC GEOCHEM STD 4	-	0.4	264	33	230	25	<5	0.036
Number of Analyses	-	1	1	1	1	1	1	1
Mean Value	-	0.41	263.6	32.5	230.4	25.5	2.5	0.0364
Standard Deviation	-	-	-	-	-	-	-	-
Accepted Value	-	0.5	290	33	255	30	1	0.030

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Geochemical Lab Report

DATE PRINTED: 11-AUG-94

REPORT: V94-00865.0 (COMPLETE) PROJECT: 90708 PAGE 4

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM
10236		516	13.0	25	349	20	327	7	0.165
Duplicate		515	12.1	25	348	19	321	8	0.155
10238		58	0.5	6	23	4	10	<5	0.044
Prep Duplicate		41	0.5	8	25	5	11	<5	0.053
10819		602	3.6	45	278	20	231	12	0.771
Duplicate			3.7	46	285	21	227	5	0.808
10831		514	0.5	65	56	66	115	<5	0.020
Duplicate		516							
10844		13	<0.2	17	6	67	9	<5	0.044
Duplicate			<0.2	12	6	71	12	<5	0.056
10853		201	4.1	25	196	21	151	<5	0.194
Duplicate		228							
10861		223	6.0	710	41	171	325	92	0.914
Duplicate			5.5	593	43	193	390	94	0.940
10864		151	2.9	44	337	621	244	8	0.679
Prep Duplicate		139	2.7	38	347	650	257	10	0.622

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Inchcape Testing Services

Geochemical Lab Report

REPORT: V94-00863.0 (COMPLETE) REFERENCE:

CLIENT: HOMESTAKE MINERAL DEVELOPMENT COMPANY SUBMITTED BY: UNKNOWN
PROJECT: 90708 DATE PRINTED: 15-AUG-94

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au30	Gold	17	5 PPB	Fire Assay of 30g	ATOMIC ABSORPTION
2	Ag	Silver	17	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
3	Cu	Copper	17	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
4	Pb	Lead	17	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
5	Zn	Zinc	17	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
6	As	Arsenic	17	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
7	Sb	Antimony	17	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
8	Hg	Mercury	17	0.010 PPM	HCL:HNO3 (3:1)	COLD VAPOR AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	17	2 -150	17	CRUSH/SPLIT & PULV.	17

REMARKS: Assay of high Ag & Cu to follow on V94-00863.6

REPORT COPIES TO: MR. RON BRITTEN
MR. ANDREW KAIP

INVOICE TO: MR. RON BRITTEN

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Inchcape Testing Services

Geochemical Lab Report

REPORT: V94-00863.0 (COMPLETE) REFERENCE:

CLIENT: HOMESTAKE MINERAL DEVELOPMENT COMPANY SUBMITTED BY: UNKNOWN
PROJECT: 90708 DATE PRINTED: 15-AUG-94

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au30	Gold	17	5 PPB	Fire Assay of 30g	ATOMIC ABSORPTION
2	Ag	Silver	17	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
3	Cu	Copper	17	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
4	Pb	Lead	17	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
5	Zn	Zinc	17	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
6	As	Arsenic	17	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
7	Sb	Antimony	17	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
8	Hg	Mercury	17	0.010 PPM	HCL:HNO3 (3:1)	COLD VAPOR AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	17	2 -150	17	CRUSH/SPLIT & PULV.	17

REMARKS: Assay of high Ag & Cu to follow on V94-00863.6

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Geochemical Lab Report

DATE PRINTED: 15-AUG-94

REPORT: V94-00863.0 (COMPLETE) PROJECT: 90708 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM
R2 10240		147	0.7	12	597	44	114	<5	0.279
R2 10241		255	9.5	24	205	19	191	<5	0.250
R2 10251		1792	>50.0	>20000	<2	67	5	<5	0.048
R2 10867		54	2.4	160	370	3	43	1118	0.714
R2 10868		15	1.3	75	284	4	47	601	1.349
R2 11726		7	<0.2	51	23	27	36	<5	0.131
R2 11727		13	0.2	<1	20	1	11	8	0.203
R2 11728		<5	<0.2	<1	14	35	<5	<5	0.046
R2 11729		129	0.5	<1	572	14	31	<5	0.012
R2 11730		360	<0.2	7	19	78	140	<5	0.015
R2 11731		384	1.2	<1	28	3	57	<5	0.024
R2 11732		5082	21.2	42	642	69	905	<5	0.065
R2 11733		235	1.1	59	819	63	23	<5	0.015
R2 11734		177	1.1	416	16	68	18	<5	0.015
R2 11735		168	0.9	114	18	56	6	<5	0.013

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Geochemical Lab Report

DATE PRINTED: 15-AUG-94

REPORT: V94-00863.0 (COMPLETE) PROJECT: 90708 PAGE 2

STANDARD NAME / ELEMENT / UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM
BCC GOLD STD 90-3	720	-	-	-	-	-	-	-
Number of Analyses	1	-	-	-	-	-	-	-
Mean Value	720.0	-	-	-	-	-	-	-
Standard Deviation	-	-	-	-	-	-	-	-
Accepted Value	765	68.6	-	-	-	-	-	-
BCC GEOCHEM STD 4	-	0.2	256	37	231	24	<5	0.027
Number of Analyses	-	1	1	1	1	1	1	1
Mean Value	-	0.20	256.0	37.4	231.4	24.0	2.5	0.0275
Standard Deviation	-	-	-	-	-	-	-	-
Accepted Value	-	0.5	290	33	255	30	1	0.030
ANALYTICAL BLANK	-	<0.2	<1	<2	<1	<5	<5	<0.010
Number of Analyses	-	1	1	1	1	1	1	1
Mean Value	-	0.10	0.5	1.0	0.5	2.5	2.5	0.0050
Standard Deviation	-	-	-	-	-	-	-	-
Accepted Value	5	0.2	1	2	1	5	5	0.010

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Geochemical Lab Report

DATE PRINTED: 15-AUG-94

REPORT: V94-00863.0 (COMPLETE) PROJECT: 90708 PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM
10241		255	9.5	24	205	19	191	<5	0.250
Prep Duplicate		281	9.6	18	231	20	192	<5	0.251
10865		2603	4.7	308	90	5	289	<5	0.130
Duplicate		2565	4.6	294	95	6	277	<5	0.124

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Certificate of Analysis

REPORT: V94-00863.6 (COMPLETE) REFERENCE:

CLIENT: HOMESTAKE MINERAL DEVELOPMENT COMPANY SUBMITTED BY: UNKNOWN
PROJECT: 90708 DATE PRINTED: 7-SEP-94

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Ag	Silver Gravimetric	2	0.02 OPT		FIRE ASSAY
2	Cu	Copper	1	0.01 PCT	HF-HCL-HNO3	AAS LOW LEVEL ASSAY

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	2	2 -150	2	SAMPLES FROM STORAGE	2

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INVOICE TO: MR. RON BRITTEN

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DATE PRINTED: 7-SEP-94

REPORT: V94-00863.6 (COMPLETE) PROJECT: 90708 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Cu PCT
R2 10251		3.21	6.49
R2 10866		1.69	

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DATE PRINTED: 7-SEP-94

REPORT: V94-00863.6 (COMPLETE) PROJECT: 90708 PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	Ag OPT	Cu PCT
10251		3.21	6.49
Duplicate			6.51

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Geochemical Lab Report

REPORT: V94-01005.0 (COMPLETE) REFERENCE:

CLIENT: HOMESTAKE MINERAL DEVELOPMENT COMPANY SUBMITTED BY: K. PATTERSON
PROJECT: 90708 DATE PRINTED: 16-SEP-94

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au30	Gold	12	5 PPB	Fire Assay of 30g	ATOMIC ABSORPTION
2	Ag	Silver	12	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
3	Cu	Copper	12	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
4	Pb	Lead	12	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
5	Zn	Zinc	12	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
6	As	Arsenic	12	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
7	Sb	Antimony	12	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
8	Hg	Mercury	12	0.010 PPM	HCL:HNO3 (3:1)	COLD VAPOR AA

SAMPLE TYPES		NUMBER	SIZE FRACTIONS		NUMBER	SAMPLE PREPARATIONS	NUMBER
R	ROCK	12	2	-150	12	CRUSH/SPLIT 2-6 KG	12
						PULVERIZATION	12

REMARKS: Assay of high Au to follow on V94-01005.6

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Geochemical Lab Report

DATE PRINTED: 16-SEP-94

REPORT: V94-01005.0 (COMPLETE) PROJECT: 90708 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM
R2 10274		-							
R2 10275		2330	16.1	710	703	592	271	<5	0.537
R2 10276		>10000	17.1	76	251	32	254	14	0.158
R2 10277		816	5.5	151	187	14	400	5	0.150
R2 10278		852	12.4	60	1486	21	128	8	0.428
R2 10279		694	0.2	52	28	30	158	6	0.215
		-	<0.2	4	19	22	179		<0.2
R2 11749		737	13.5	51	642	32	132	7	0.366

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DATE PRINTED: 16-SEP-94

REPORT: V94-01005.0 (COMPLETE) PROJECT: 90708 PAGE 2

STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM
HIGH GOLD STANDARD		498	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-
Mean Value		498.2	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		500	-	-	-	-	-	-	-
BCC GEOCHEM STD 5		-	<0.2	96	10	88	<5	<5	0.029
Number of Analyses		-	1	1	1	1	1	1	1
Mean Value		-	0.10	96.0	10.2	88.2	2.5	2.5	0.0286
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		-	0.7	90	11	80	8	1	0.035
ANALYTICAL BLANK		-	<0.2	<1	<2	<1	<5	<5	<0.010
Number of Analyses		-	1	1	1	1	1	1	1
Mean Value		-	0.10	0.5	1.0	0.5	2.5	2.5	0.0050
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		5	0.2	1	2	1	5	5	0.010

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Geochemical Lab Report

DATE PRINTED: 16-SEP-94

REPORT: V94-01005.0 (COMPLETE) PROJECT: 90708 PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM
10277		816	5.5	151	187	14	400	5	0.150
Prep Duplicate		819	5.5	143	176	14	418	5	0.156
Duplicate		815	5.3	152	182	14	395	5	0.141

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REPORT: V94-01005.6 (COMPLETE) REFERENCE:

CLIENT: HOMESTAKE MINERAL DEVELOPMENT COMPANY SUBMITTED BY: K. PATTERSON
PROJECT: 90708 DATE PRINTED: 22-SEP-94

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au Gold (Grav.)	1	0.005 OPT		

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	1	2 -150	1	SAMPLES FROM STORAGE	1

REPORT COPIES TO: MR. RON BRITTEN
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DATE PRINTED: 22-SEP-94

REPORT: V94-01005.6 (COMPLETE) PROJECT: 90708 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R2 10276		0.344

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Geo(emical
Lab
Report

REPORT: V94-00951.0 (COMPLETE)

REFERENCE: 90760 ?

CLIENT: HOMESTAKE MINERAL DEVELOPMENT COMPANY

SUBMITTED BY: UNKNOWN

PROJECT: NONE GIVEN

DATE PRINTED: 26-SEP-94

	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION	EXTRACTION	METHOD
1	Au30	Gold	11	5 PPB	Fire Assay of 30g	ATOMIC ABSORPTION
2	Ag	Silver	11	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
3	Cu	Copper	11	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
4	Pb	Lead	11	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
5	Zn	Zinc	11	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
6	As	Arsenic	11	1.0 PPM		NEUTRON ACTIVATION
7	Sb	Antimony	11	0.2 PPM		NEUTRON ACTIVATION
8	Hg	Mercury	11	0.010 PPM	HCL:HNO3 (3:1)	COLD VAPOR AA
9	SiO2	Silica (SiO2)	6	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
10	TiO2	Titanium (TiO2)	6	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
11	Al2O3	Alumina (Al2O3)	6	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
12	Fe2O3*	Total Iron (Fe2O3)	6	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
13	MnO	Manganese (MnO)	6	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
14	MgO	Magnesium (MgO)	6	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
15	CaO	Calcium (CaO)	6	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
16	Na2O	Sodium (Na2O)	6	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
17	K2O	Potassium (K2O)	6	0.05 PCT	BORATE FUSION	INDUC. COUP. PLASMA
18	P2O5	Phosphorous (P2O5)	6	0.03 PCT	BORATE FUSION	INDUC. COUP. PLASMA
19	LOI	Loss on Ignition	6	0.05 PCT	Ignition 1000 Deg. C	GRAVIMETRIC
20	Total	Whole Rock Total	6	0.01 PCT		
21	BaO	Barium Oxide	6	0.001 PCT	BORATE FUSION	INDUC. COUP. PLASMA
22	Cr2O3	Chromium Oxide	6	0.01 PCT	BORATE FUSION	INDUC. COUP. PLASMA
23	S Tot	Sulphur (Total)	6	0.02 PCT		LECO

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	17	2 -150	17	CRUSH/SPLIT & PULV.	17

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Geo .emical Lab Report

REPORT: V94-00951.0 (COMPLETE)

DATE PRINTED: 26-SEP-94
PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT	BaO PCT	Cr2O3 PCT	S Tot PCT
11604										61.22	0.50	17.28	4.37	0.13	2.09	2.15	4.36	3.59	0.23	3.76	99.89	0.211	<0.01	0.15
11605										54.89	0.56	17.81	5.53	0.23	2.02	3.92	4.12	2.80	0.38	5.51	97.98	0.213	<0.01	0.87
11653										55.91	1.35	15.85	11.72	0.02	3.01	1.28	3.46	1.24	0.51	[illegible]68	98.11	0.070	0.01	0.08
11654										52.16	0.76	18.02	7.80	0.13	4.78	2.04	5.16	2.97	0.72	4.14	98.76	0.060	0.02	0.06

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Geo(emical Lab Report

REPORT: V94-00951.0 (COMPLETE)

DATE PRINTED: 26-SEP-94
PROJECT: NONE GIVEN PAGE 2

STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT	BaO PCT	Cr2O3 PCT	S Tot PCT
BCC GEOCHEM STD 3		-	4.2	757	212	460	316.0	70.5	3.309	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	4.2	757	212	460	316.0	70.5	3.309	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	5.0	820	250	500	310.0	70.0	3.550	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HIGH GOLD STANDARD		487	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		487	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CANMET REF. ORE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.34
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.34
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.34
BCC Rock Std 1989		-	-	-	-	-	-	-	-	59.90	0.90	12.15	6.67	0.09	3.67	6.14	1.35	2.10	0.18	-	93.48	0.292	0.04	-
Number of Analyses		-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	-	-	-	-	-	-	-	59.90	0.90	12.15	6.67	0.09	3.67	6.14	1.35	2.10	0.18	-	93.48	0.292	0.04	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	60.40	0.90	12.10	6.90	0.09	3.50	5.90	1.30	2.10	0.19	5.00	-	-	-	-
ANALYTICAL BLANK		-	<.2	<1	<2	<1	-	-	<.010	<0.01	<.01	<0.01	<0.01	<.01	<.01	<.01	<.01	<.05	<.03	-	-	<.001	<0.01	-
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.1	0.5	1	0.5	-	-	0.005	0.005	.005	0.005	0.005	.005	.005	.005	.005	0.03	0.02	-	-	.0005	0.005	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5	0.2	1	2	1	0.005	.005	0.005	<.001	<.01	<.001	<.0001	<.01	<.01	<.01	<.01	<.01	<.01	<.001	<.001	<.001	<.001	<.001
BCC HI LOI STD 1983		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.61	-	-	-	-
Number of Analyses		40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	1	1	1	1	1
Mean Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.61	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.40	-	-	-	-

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Geochemical Lab Report

REPORT: V94-00951.0 (COMPLETE)

DATE PRINTED: 26-SEP-94
PROJECT: NONE GIVEN PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM	SiO2 PCT	TiO2 PCT	Al2O3 PCT	Fe2O3* PCT	MnO PCT	MgO PCT	CaO PCT	Na2O PCT	K2O PCT	P2O5 PCT	LOI PCT	Total PCT	BaO PCT	Cr2O3 PCT	S Tot PCT
11604										61.22	0.50	17.28	4.37	0.13	2.09	2.15	4.36	3.59	0.23	3.76	99.89	0.211	<0.01	0.15
Duplicate																				3.68				
11605										54.89	0.56	17.81	5.53	0.23	2.02	3.92	4.12	2.80	0.38	5.51	97.98	0.213	<0.01	0.87
Duplicate										55.33	0.59	17.90	5.58	0.24	2.06	4.09	4.18	2.66	0.42			0.220	<0.01	
11653										55.91	1.35	15.85	11.72	0.02	3.01	1.28	3.46	1.24	0.51	3.68	98.11	0.070	0.01	0.08
Duplicate																								0.07

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Inchcape Testing Services

Certificate of Analysis

REPORT: V94-01070.6 (COMPLETE) REFERENCE:

CLIENT: HOMESTAKE MINERAL DEVELOPMENT COMPANY SUBMITTED BY: UNKNOWN
PROJECT: 90708 DATE PRINTED: 5-OCT-94

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au	Gold (Grav.)	2	0.005 OPT		
2	Ag	Silver Gravimetric	2	0.02 OPT	FIRE ASSAY	FIRE ASSAY-GRAV

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	3	2 -150	3	SAMPLES FROM STORAGE	3

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INVOICE TO: MR. RON BRITTEN

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Certificate of Analysis

DATE PRINTED: 5-OCT-94

REPORT: V94-01070.6 (COMPLETE)

PROJECT: 90708

SAMPLE NUMBER	ELEMENT UNITS	Au OPT	Ag OPT
R2 10310		3.474	1.28
R2 11960		0.587	
R2 11962			2.90

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Geochemical Lab Report

REPORT: V94-01070.0 (COMPLETE) REFERENCE:

CLIENT: HOMESTAKE MINERAL DEVELOPMENT COMPANY SUBMITTED BY: UNKNOWN
PROJECT: 90708 DATE PRINTED: 27-SEP-94

ORDER	ELEMENT		NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au30	Gold	34	5 PPB	Fire Assay of 30g	ATOMIC ABSORPTION
2	Ag	Silver	34	0.2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
3	Cu	Copper	34	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
4	Pb	Lead	34	2 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
5	Zn	Zinc	34	1 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
6	As	Arsenic	34	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
7	Sb	Antimony	34	5 PPM	HCL:HNO3 (3:1)	INDUC. COUP. PLASMA
8	Hg	Mercury	34	0.010 PPM	HCL:HNO3 (3:1)	COLD VAPOR AA

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK	34	2 -150	34	CRUSH/SPLIT 2-6 KG	34
				PULVERIZATION	34

REMARKS: Assay of high Au & Ag to follow on V94-01070.6

REPORT COPIES TO: MR. RON BRITTEN
MR. ANDREW KAIP

INVOICE TO: MR. RON BRITTEN

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Tel: (604) 985-0681, Fax: (604) 985-1071

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Inchcape Testing Services

Geochemical Lab Report

DATE PRINTED: 27-SEP-94

REPORT: V94-01070.0 (COMPLETE) PROJECT: 90708 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM
R2 10293		157	7.1	28	97	44	62	24	0.102
R2 10294		77	2.0	24	41	18	57	7	0.051
R2 10295		17	<0.2	7	11	9	36	8	0.216
R2 10296		14	<0.2	39	31	13	52	8	0.155
R2 10297		75	0.9	12	50	318	23	13	0.061
R2 10298		<5	<0.2	14	13	27	10	<5	0.035
R2 10299		70	0.6	24	26	599	14	11	0.163
R2 10300		55	0.9	20	32	15	19	21	1.103
R2 10301		<5	<0.2	4	5	5	<5	<5	0.012
R2 10302		71	0.8	12	20	11	15	6	0.242
R2 10303		364	3.8	7	70	8	24	16	0.056
R2 10304		131	0.7	5	55	7	25	9	0.104
R2 10305		2341	24.3	33	52	9	22	22	0.081
R2 10306		1189	6.6	51	1350	1077	359	34	1.005
R2 10307		344	2.2	7	268	537	127	18	0.504
R2 10308		1209	21.5	79	289	226	351	10	0.307
R2 10309		3804	7.0	3840	27	122	132	6	0.084
R2 10310		>10000	>50.0	3145	26	123	191	<5	1.078
R2 10311		1264	0.3	16	8	54	112	<5	0.054
R2 10314		1523	5.9	25	85	29	199	<5	0.092
R2 10315		27	<0.2	76	12	280	59	15	0.644
R2 10316		7	0.8	80	8	367	12	25	0.749
R2 10317		228	30.7	170	33	55	1196	>2000	1.090
R2 10318		324	4.7	6	44	13	910	1675	1.581
R2 11959		649	0.7	5	32	47	228	169	0.107
R2 11960		>10000	24.9	488	5647	19265	527	620	7.356
R2 11961		806	15.5	58	113	245	379	73	0.722
R2 11962		4573	>50.0	186	74	537	300	125	1.950
R2 11963		3440	24.7	9	66	98	118	44	0.148
R2 11964		194	<0.2	1	11	22	54	19	0.041
R2 11965		1077	4.5	37	776	3146	308	33	2.692
R2 11966		1286	1.3	<1	103	148	222	23	0.120
R2 11967		904	1.7	21	48	259	475	33	0.115
R2 11968		9201	46.7	5	296	45	76	29	0.541

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Geochemical Lab Report

DATE PRINTED: 27-SEP-94

REPORT: V94-01070.0 (COMPLETE) PROJECT: 90708 PAGE 2

STANDARD NAME	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM
ANALYTICAL BLANK		<5	<0.2	<1	<2	<1	<5	<5	0.012
Number of Analyses		1	1	1	1	1	1	1	1
Mean Value		2.5	0.10	0.5	1.0	0.5	2.5	2.5	0.0120
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		5	0.2	1	2	1	5	5	0.010
BCC GEOCHEM STD 4		-	0.3	268	35	275	25	<5	0.033
Number of Analyses		-	1	1	1	1	1	1	1
Mean Value		-	0.30	267.9	35.0	275.0	25.3	2.5	0.0331
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		-	0.5	290	33	255	30	1	0.030
HIGH GOLD STANDARD		509	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-
Mean Value		509.3	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-
Accepted Value		500	-	-	-	-	-	-	-

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Inchcape Testing Services

Geochemical Lab Report

DATE PRINTED: 27-SEP-94

REPORT: V94-01070.0 (COMPLETE) PROJECT: 90708 PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	Au30 PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	As PPM	Sb PPM	Hg PPM
10293		157	7.1	28	97	44	62	24	0.102
Duplicate		156	7.0	28	89	36	59	25	0.098
10311		1264	0.3	16	8	54	112	<5	0.054
Duplicate			<0.2	17	7	57	113	5	0.068
10318		324	4.7	6	44	13	910	1675	1.581
Duplicate		317							

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CERTIFICATE [illegible] ANALYSIS

iPL 94I1201

Homestake Mineral Dev (Eskay)
Out: Sep 19, 1994 Project: 90708
In : Sep 12, 1994 Shipper: Alex Walus
PO#: Shipment: ID=C024408
Msg: Au(FA/AAS 30g) ICP(AqR)07
Msg: ICP-Ag Cu Pb Zn As Sb Hg

51 Samples 0= Rock 0= Soil 51= Core 0=RC Ct 0= Pulp 0=Other [047316:57:50:49091994]
Raw Storage: -- -- 03Mon/Dis -- -- -- Mon=Month Dis=Discard
Pulp Storage: -- -- 12Mon/Dis -- -- -- Rtn=Return Arc=Archive

Document Distribution

	EN	RT	CC	IN	FX
1 Homestake Canada Inc					
Eskay Creek Camp	1	2	2	2	1
Eskay Creek	DL	3D	5D	BT	BL
BC V0J 2N0	0	0	0	1	0
ATT: Doug Reddy/Alex Walus	Ph:604/521-7396				
c/o: Fax ONLY if available	Fx:604/524-8046				
2 Homestake Canada Inc	EN	RT	CC	IN	FX
1000 - 700 W Pender St	2	2	1	0	1
Vancouver	DL	3D	5D	BT	BL
BC V6C 1G8	0	0	0	0	0
ATT: Ron Britten/Shiela Kiezer	Ph:604/684-2345				
	Fx:604/684-9831				
3 Homestake Canada Inc	EN	RT	CC	IN	FX
If no answer at Ph=604/521-7396	3	2	0	0	1
Eskay Creek	DL	3D	5D	BT	BL
BC V0J 2N0	0	0	0	0	0
ATT: Doug Reddy/Alex Walus	Ph:604/				
c/o: Smithers Expediting	Fx:604/847-2566				

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

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CERTIFICATE T ANALYSIS

iPL 94I1201

Client: Homestake Mineral Dev (Eskay) iPL: 94I1201 M Out: Sep 19, 1994 Page 1 of 2 Section 1 of 1
Project: 90708 51 Core In: Sep 12, 1994 [047316:57:5] 94] Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
46194	C	467	0.6	232	6	80	42	<5	<3
46195	C	174	0.4	191	8	76	47	<5	<3
46196	C	485	0.4	419	7	123	30	<5	<3
46197	C	1125	0.8	568	8	127	42	<5	<3
46198	C	385	1.0	582	19	123	30	<5	<3
46199	C	384	0.6	224	8	56	41	<5	<3
46200	C	155	1.3	301	11	78	46	<5	<3
46201	C	97	0.6	325	11	168	29	<5	<3
46202	C	268	2.2	342	14	58	63	<5	<3
46203	C	327	2.7	407	22	32	134	<5	<3
46204	C	293	1.4	857	31	55	63	<5	<3
46205	C	464	0.5	374	6	49	31	<5	<3
46206	C	299	0.9	822	4	39	29	<5	<3
46207	C	609	0.7	418	8	33	48	<5	<3
46208	C	241	1.3	621	17	42	86	<5	<3
46209	C	195	2.5	1174	156	1016	79	<5	<3
46210	C	121	1.4	366	27	26	71	<5	<3
46211	C	215	2.5	548	7	44	42	<5	<3
46212	C	193	3.0	672	61	40	30	<5	<3
46213	C	353	2.3	413	5	45	64	<5	<3
46214	C	275	1.6	867	7	16	68	<5	<3
46215	C	219	0.6	353	<2	58	25	<5	<3
46216	C	197	0.8	619	2	50	39	<5	<3
46217	C	316	0.7	638	5	28	52	<5	<3
46218	C	172	0.9	800	29	45	80	<5	<3
46219	C	61	0.8	657	23	60	90	<5	<3
46220	C	382	2.9	1830	20	42	66	<5	<3
46221	C	298	3.5	361	5	41	52	<5	<3
46222	C	140	1.5	307	9	39	31	<5	<3
46223	C	164	2.8	633	161	201	85	8	<3
46224	C	414	2.1	294	7	63	85	<5	3
46225	C	447	1.5	803	8	55	95	<5	<3
46226	C	230	1.4	312	28	62	86	<5	<3
46227	C	60	1.2	345	6	64	22	<5	<3
46228	C	95	1.3	379	21	45	42	<5	<3
46229	C	231	3.6	1210	53	82	83	13	<3
46230	C	199	2.3	487	12	144	55	<5	<3
46231	C	70	1.4	613	11	80	16	<5	<3
46232	C	66	1.5	835	9	110	13	<5	<3

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
46233	C	264	2.4	1286	19	237	60	7	<3
46234	C	327	2.5	1234	16	193	56	<5	<3
46235	C	253	3.7	1795	10	200	19	<5	<3
46236	C	158	2.2	782	11	226	35	<5	<3
46237	C	13	0.5	21	57	123	41	<5	<3
46238	C	67	0.6	16	142	236	40	<5	<3
46239	C	27	0.4	21	61	52	33	<5	<3
46240	C	9	0.5	25	30	47	63	<5	<3
46241	C	47	0.1	3	<2	98	<5	<5	<3
46242	C	4	0.2	11	2	121	8	<5	<3
46243	C	<2	0.1	62	<2	174	37	<5	<3
46244	C	<2	0.1	58	<2	362	20	<5	<3

Min Limit	2	0.1	1	2	1	5	5	3	2	0.1	1	2	1	5	5	3
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	9999	9999	99.9	20000	20000	20000	9999	9999	9999
Method	FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	FAAA	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

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CERTIFICATE (ANALYSIS

iPL 94I0801

Homestake Mineral Development Co 40 Samples 0= Rock 0= Soil 40= Core 0=RC Ct 0= Pulp 0=Other [046714:35:31:49090994]

Out: Sep 09, 1994 Project: 90708 Raw Storage: -- -- 03Mon/Dis -- -- -- Mon=Month Dis=Discard

In : Sep 08, 1994 Shipper: Alex Walus Pulp Storage: -- -- 12Mon/Dis -- -- -- Rtn=Return Arc=Archive

PO#: Shipment: ID=C034304

Msg: Au(FA/AAS 30g) ICP(AqR)07

Msg: ICP=Ag/Cu/Pb/Zn/As/Sb/Hg

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1 Homestake Canada Inc	1	2	2	2	1
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Eskay Creek	0	0	0	1	0
BC V0J 2N0					
ATT: Doug Reddy	Ph:604/521-7396				
c/o: Fax ONLY if available	Fx:604/524-8046				
2 Homestake Canada Inc	EN	RT	CC	IN	FX
1000 - 700 W Pender St	2	2	1	0	1
Vancouver	DL	3D	5D	BT	BL
BC V6C 1G8	0	0	0	0	0
ATT: Ron Britten	Ph:604/684-2345				
	Fx:604/684-9831				
3 Homestake Canada Inc	EN	RT	CC	IN	FX
If no answer at Ph=604/521-7396	3	2	0	0	1
Eskay Creek	DL	3D	5D	BT	BL
BC V0J 2N0	0	0	0	0	0
ATT: Doug Reddy	Ph:604/				
c/o: Smithers Expediting	Fx:604/847-2566				

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

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CERTIFICATE (ANALYSIS
iPL 94I0801

Client: Homestake Mineral Development Co iPL: 94I0801 M Out: Sep 09, 1994 Page 1 of 2 Section 1 of 1
Project: 90708 40 Core In: Sep 08, 1994 [046714:38:2] 94] Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
46154	C	435	1.7	60	77	14	203	<5	<3
46155	C	650	0.4	48	34	51	108	<5	<3
46156	C	581	1.1	28	164	5	267	<5	<3
46157	C	495	0.4	76	11	42	212	<5	<3
46158	C	476	0.5	52	13	17	141	<5	<3
46159	C	129	0.4	88	4	103	39	<5	<3
46160	C	396	1.5	88	16	140	52	<5	<3
46161	C	211	1.3	64	44	17	110	<5	<3
46162	C	589	2.1	112	53	43	63	<5	<3
46163	C	669	2.9	94	215	20	164	<5	<3
46164	C	569	4.4	41	504	31	107	15	<3
46165	C	438	1.7	85	52	35	168	<5	<3
46166	C	397	2.9	77	17	91	179	<5	<3
46167	C	360	0.7	97	17	106	163	<5	<3
46168	C	288	0.6	211	10	51	99	<5	<3
46169	C	467	1.7	243	<2	116	156	<5	<3
46170	C	450	2.7	104	50	22	202	<5	<3
46171	C	513	<0.1	134	2	152	35	<5	<3
46172	C	235	<0.1	70	4	50	62	<5	<3
46173	C	134	<0.1	85	3	164	20	<5	<3
46174	C	358	0.7	92	8	45	85	<5	<3
46175	C	329	1.5	94	11	37	109	<5	<3
46176	C	173	0.2	118	21	93	96	<5	<3
46177	C	192	1.3	167	38	89	146	<5	<3
46178	C	235	0.4	97	58	27	100	<5	<3
46179	C	180	0.1	51	<2	34	22	<5	<3
46180	C	163	0.3	38	3	25	35	<5	<3
46181	C	501	1.3	70	8	39	145	<5	<3
46182	C	644	1.8	636	12	54	77	<5	<3
46183	C	456	1.8	682	12	113	112	<5	<3
46184	C	388	1.5	241	14	50	168	<5	<3
46185	C	1200	3.6	181	24	90	151	<5	<3
46186	C	385	1.8	258	36	37	202	<5	<3
46187	C	634	6.0	35	304	21	235	<5	<3
46188	C	203	1.0	128	25	38	144	<5	<3
46189	C	427	3.3	159	37	40	133	<5	<3
46190	C	453	1.5	240	7	89	59	<5	<3
46191	C	174	0.7	291	7	132	53	<5	<3
46192	C	211	1.1	603	6	95	90	<5	<3
46193	C	269	<0.1	273	4	76	40	<5	<3
Min Limit		2	0.1	1	2	1	5	5	3
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	9999
Method		FAAA	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

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CERTIFICATE ANALYSIS
iPL 94I2201

Homestake Mineral Dev (Eskay)
Out: Sep 26, 1994 Project: 90708
In : Sep 22, 1994 Shipper: Alex Walus
PO#: Shipment: ID=C024400
Msg: Au(FA/AAS 30g) ICP(AqR)07
Msg:

80 Samples

	0= Rock	0= Soil	76= Core	0=RC Ct	0= Pulp	4=Other
Raw Storage:	--	--	03Mon/Dis	--	--	03Mon/Dis
Pulp Storage:	--	--	12Mon/Dis	--	--	12Mon/Dis

[051611:31:55:49092694]
Mon=Month Dis=Discard
Rtn=Return Arc=Archive

Document Distribution

	EN	RT	CC	IN	FX
1 Homestake Canada Inc					
Eskay Creek Camp	1	2	2	2	1
Eskay Creek	DL	3D	5D	BT	BL
BC V0J 2N0	0	0	0	1	0
ATT: Doug Reddy/Alex Walus	Ph:604/521-7396				
c/o: Fax ONLY if available	Fx:604/524-8046				
2 Homestake Canada Inc	EN	RT	CC	IN	FX
1000 - 700 W Pender St	2	2	1	0	1
Vancouver	DL	3D	5D	BT	BL
BC V6C 1G8	0	0	0	0	0
ATT: Ron Britten/Shiela Kiezer	Ph:604/684-2345				
	Fx:604/684-9831				
3 Homestake Canada Inc	EN	RT	CC	IN	FX
If no answer at Ph=604/521-7396	3	2	0	0	1
Eskay Creek	DL	3D	5D	BT	BL
BC V0J 2N0	0	0	0	0	0
ATT: Doug Reddy/Alex Walus	Ph:604/				
c/o: Smithers Expediting	Fx:604/847-2566				

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

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)

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CERTIFICATE OF ANALYSIS
iPL 94I2201

Client: Homestake Mineral Dev (Eskay) iPL: 94I2201 M Out: Sep 26, 1994 Page 1 of 3 Section 1 of 1
Project: 90708 80 Core In: Sep 22, 1994 [051611:31:5] 94] Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
46306	C	139	0.6	133	15	100	44	<5	<3
46307	C	174	0.6	172	20	128	27	<5	<3
46308	C	132	0.5	160	15	145	38	<5	<3
46309	C	74	0.6	243	19	175	36	<5	<3
46310	C	103	0.5	173	12	124	34	<5	<3
46311	C	113	0.7	145	10	142	61	<5	<3
46312	C	373	2.7	305	78	273	158	<5	<3
46313	C	230	2.0	149	12	76	105	<5	<3
46314	C	277	1.8	47	14	81	80	<5	<3
46315	C	113	1.7	10	4	405	110	<5	<3
46316	C	83	1.2	56	5	433	52	<5	<3
46317	C	492	2.1	460	8	544	94	<5	<3
46318	C	122	1.1	39	4	578	70	<5	<3
46319	C	92	0.6	34	5	346	47	<5	<3
46320	C	72	0.7	5	2	159	57	<5	<3
46321	C	106	0.8	34	7	252	68	<5	<3
46322	C	31	0.6	16	<2	233	49	<5	<3
46323	C	73	0.7	8	4	240	50	<5	<3
46324	C	59	0.5	6	2	259	33	<5	<3
46325	C	334	0.9	33	7	182	92	<5	<3
46326	C	36	0.5	35	5	412	37	<5	<3
46327	C	34	0.7	42	7	275	43	<5	<3
46328	C	1250	3.5	10	17	191	117	<5	<3
46329	C	181	0.8	103	7	161	81	<5	<3
46330	C	190	0.7	80	12	167	113	<5	<3
46331	C	117	11.5	75	517	4	550	5	<3
46332	C	361	3.9	5	78	1	20	20	<3
46333	C	311	3.3	4	20	<1	15	12	<3
46334	C	348	7.6	9	109	5	79	39	<3
46335	C	506	16.3	50	721	66	188	42	<3
46336	C	485	1.4	4	288	<1	97	5	<3
46337	C	437	3.4	6	121	<1	73	7	<3
46338	C	605	3.8	6	181	<1	90	<5	<3
46339	C	980	2.5	5	78	1	149	<5	<3
46340	C	990	2.9	11	172	1	228	<5	<3
46341	C	541	2.8	3	78	<1	117	6	<3
46342	C	477	2.0	12	48	3	113	<5	<3
46343	C	194	0.9	12	14	23	91	<5	<3
46344	C	323	1.3	18	36	<1	132	<5	<3
46345	C	504	0.9	4	33	<1	62	<5	<3
46346	C	515	1.8	5	141	<1	149	<5	<3
46347	C	676	4.9	57	293	5	721	22	<3
46348	C	749	7.8	16	284	10	384	13	<3
46349	C	723	7.2	15	179	7	732	11	<3
46350	C	675	3.8	35	281	2	368	7	<3
46351	C	1000	5.8	26	289	<1	336	7	<3
46352	C	738	4.8	16	116	<1	364	6	<3
46353	C	495	6.3	23	143	2	364	15	<3
46354	C	553	3.4	36	64	<1	477	<5	<3
46355	C	528	4.6	35	58	<1	301	<5	<3
46356	C	280	3.0	118	104	132	201	9	<3
46357	C	410	3.4	60	183	15	363	14	<3
46358	C	397	3.2	39	74	1	202	10	<3
46361	C	268	8.3	65	1214	3	474	15	<3
46362	C	820	9.0	7	36	3	36	23	<3
46363	C	394	11.0	6	574	24	39	26	<3
46364	C	612	9.2	7	189	2	70	41	<3
46365	C	443	3.3	5	394	<1	100	11	<3
46366	C	740	11.0	4	302	2	80	13	<3
46367	C	255	3.8	4	157	1	59	6	<3
46368	C	474	1.9	2	45	<1	76	5	<3
46369	C	839	2.3	6	38	<1	101	7	<3
46370	C	358	4.4	3	67	<1	199	7	<3
46371	C	786	4.5	5	85	<1	230	7	<3
46372	C	657	56.0	16	225	3	108	121	<3
46373	C	577	10.1	18	229	3	295	19	<3
46374	C	338	6.0	20	233	6	119	22	<3
46375	C	206	0.9	95	70	110	167	<5	<3
46376	C	393	5.5	23	838	4	438	12	<3
46377	C	870	5.8	26	162	1	519	<5	<3
46378	C	867	5.7	43	90	5	446	<5	<3
46379	C	675	5.0	28	94	<1	196	<5	<3
46380	C	452	5.4	21	229	<1	225	6	<3
46381	C	787	4.3	51	121	11	452	<5	<3
46382	C	812	3.6	36	56	3	273	5	<3
46383	C	840	4.8	10	279	2	221	8	<3
46359	C	378	2.5	66	402	28	267	5	<3
46360	C	290	3.2	74	288	195	218	9	<3
Min Limit		2	0.1	1	2	1	5	5	3
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	9999
Method		FAAA	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

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Client: Homestake Mineral Dev (Eskay) iPL: 94I2201 M Out: Sep 26, 1994 Page 3 of 3 Section 1 of 1
Project: 90708 80 Core In: Sep 22, 1994 [051611:32:0] 94] Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
46384	L	195	4.3	41	219	54	89	20	<3
46385	L	173	3.2	39	241	59	76	7	<3

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm

	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
Min Limit	2	0.1	1	2	1	5	5	3
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	9999
Method	FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP

	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
Min Limit	2	0.1	1	2	1	5	5	3
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	9999
Method	FAAA	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

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CERTIFICATE ANALYSIS
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Homestake Mineral Development Co 54 Samples 0= Rock 0= Soil 54= Core 0=RC Ct 0= Pulp 0=Other [043910:44:50:49090294]

Out: Aug 31, 1994 Project: 90708 Raw Storage: -- -- 03Mon/Dis -- -- -- Mon=Month Dis=Discard
In : Aug 29, 1994 Shipper: Alex Walus Pulp Storage: -- -- 12Mon/Dis -- -- -- Rtn=Return Arc=Archive
PO#: Shipment: ID=C034304
Msg: Au(FA/AAS 30g) ICP(AqR)07
Msg:

Document Distribution

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1 Homestake Canada Inc					
Eskay Creek Camp	1	2	2	2	1
Eskay Creek	DL	3D	5D	BT	BL
BC V0J 2N0	0	0	0	1	0
ATT: Doug Reddy	Ph:604/521-7396				
c/o: Fax ONLY if available	Fx:604/524-8046				
2 Homestake Canada Inc	EN	RT	CC	IN	FX
1000 - 700 W Pender St	2	2	1	0	1
Vancouver	DL	3D	5D	BT	BL
BC V6C 1G8	0	0	0	0	0
ATT: Ron Britten	Ph:604/684-2345				
	Fx:604/684-9831				
3 Homestake Canada Inc	EN	RT	CC	IN	FX
If no answer at Ph=604/521-7396	3	2	0	0	1
Eskay Creek	DL	3D	5D	BT	BL
BC V0J 2N0	0	0	0	0	0
ATT: Doug Reddy	Ph:604/				
c/o: Smithers Expediting	Fx:604/847-2566				

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

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 0=3-1/2 Disk 0=5-1/4 Disk

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CERTIFICATE (ANALYSIS
iPL 94H2902

Client: Homestake Mineral Development Co iPL: 94H2902 M Out: Aug 31, 1994 Page 1 of 2 Section 1 of 1
Project: 90708 54 Core In: Aug 29, 1994 [043910:44:5] 94] Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
46001	C	421	2.8	9	32	6	49	19	<3
46002	C	726	5.6	9	136	24	124	43	<3
46003	C	503	8.3	9	804	7	343	43	<3
46004	C	435	5.2	7	144	9	269	19	<3
46005	C	452	4.8	7	143	10	233	16	<3
46006	C	1000	3.9	8	106	3	156	11	<3
46007	C	760	3.7	9	232	<1	184	12	<3
46008	C	551	6.6	15	347	6	180	26	<3
46009	C	582	2.5	26	169	5	216	25	<3
46010	C	645	3.2	13	399	4	231	12	<3
46011	C	638	5.6	15	107	<1	163	10	<3
46012	C	447	3.3	19	82	4	150	6	<3
46013	C	651	2.3	13	360	17	118	6	<3
46014	C	768	2.3	21	170	2	130	5	<3
46015	C	346	2.2	15	211	<1	137	<5	<3
46016	C	414	2.9	20	304	<1	132	<5	<3
46017	C	275	2.0	20	562	2	115	9	<3
46018	C	660	4.7	30	2246	15	314	25	<3
46019	C	1000	4.1	47	256	7	359	8	<3
46020	C	609	9.2	17	537	3	129	24	<3
46021	C	1007	7.4	39	372	19	186	7	<3
46022	C	327	3.4	31	249	<1	92	7	<3
46023	C	523	2.3	33	364	<1	63	9	<3
46024	C	396	2.2	15	271	<1	51	9	<3
46025	C	1100	2.4	3	328	1	40	7	<3
46026	C	660	5.2	14	302	5	87	8	<3
46027	C	415	2.0	8	182	1	88	5	<3
46028	C	794	3.7	17	131	3	279	16	<3
46029	C	1670	6.2	9	139	<1	375	7	<3
46030	C	2510	10.5	34	336	10	673	9	6
46031	C	2000	5.9	32	138	8	493	<5	<3
46032	C	870	2.1	10	193	2	252	13	<3
46033	C	460	2.3	18	78	<1	199	7	<3
46034	C	771	58.8	734	605	927	214	66	<3
46035	C	1150	10.0	21	601	14	178	17	<3
46036	C	1280	3.2	40	184	10	463	5	<3
46037	C	1810	3.7	35	128	1	476	6	<3
46038	C	1050	4.9	21	105	12	139	7	<3
46039	C	1020	12.5	199	87	26	276	67	<3

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
46040	C	819	4.7	59	172	23	151	18	<3
46041	C	550	8.0	8	371	19	51	57	<3
46042	C	610	3.3	8	1100	4	416	16	<3
46043	C	1420	7.7	12	797	9	186	53	<3
46044	C	701	8.8	156	1306	179	264	48	<3
46045	C	260	2.8	37	459	21	125	<5	<3
46046	C	214	2.0	37	69	2	150	<5	<3
46047	C	634	5.7	59	95	7	235	<5	<3
46048	C	1280	8.5	30	24	<1	159	<5	<3
46049	C	1130	6.0	60	21	<1	209	<5	<3
46050	C	1200	9.8	20	61	<1	226	<5	<3
46051	C	524	5.2	36	88	<1	62	<5	<3
46052	C	529	2.9	123	108	62	181	<5	<3
46053	C	595	4.4	107	112	77	169	<5	<3
46054	C	452	3.0	138	84	82	167	<5	<3

	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
Min Limit	2	0.1	1	2	1	5	5	3
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	9999
Method	FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP

	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
Min Limit	2	0.1	1	2	1	5	5	3
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	9999
Method	FAAA	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

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Homestake Mineral Dev (Eskay)
Out: Sep 30, 1994 Project: 90708
In : Sep 27, 1994 Shipper: Alex Walus
PO#: Shipment: ID=C024400
Msg: Au(FA/AAS 30g) ICP(AqR)07
Msg:

186 Samples

	0= Rock	0= Soil	186= Core	0=RC Ct	0= Pulp	0=Other
Raw Storage:	--	--	03Mon/Dis	--	--	--
Pulp Storage:	--	--	12Mon/Dis	--	--	--

[052617:10:05:49093094]
Mon=Month Dis=Discard
Rtn=Return Arc=Archive

Document Distribution

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1 Homestake Canada Inc					
Eskay Creek Camp	1	2	2	2	1
Eskay Creek	DL	3D	5D	BT	BL
BC V0J 2N0	0	0	0	1	0
ATT: Doug Reddy/Alex Walus	Ph:604/521-7396				
c/o: Fax ONLY if available	Fx:604/524-8046				
2 Homestake Canada Inc	EN	RT	CC	IN	FX
1000 - 700 W Pender St	2	2	1	0	1
Vancouver	DL	3D	5D	BT	BL
BC V6C 1G8	0	0	0	0	0
ATT: Ron Britten/Shiela Kiezer	Ph:604/684-2345				
	Fx:604/684-9831				
3 Homestake Canada Inc	EN	RT	CC	IN	FX
If no answer at Ph=604/521-7396	3	2	0	0	1
Eskay Creek	DL	3D	5D	BT	BL
BC V0J 2N0	0	0	0	0	0
ATT: Doug Reddy/Alex Walus	Ph:604/				
c/o: Smithers Expediting	Fx:604/847-2566				

Analytical Summary

##	Code	Method	Title	Low Limit	High Limit	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

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)

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Client: Homestake Mineral Dev (Eskay) iPL: 94I2702 M Out: Sep 30, 1994 Page 1 of 5 Section 1 of 1
Project: 90708 186 Core In: Sep 27, 1994 [052617:10:0] 94] Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
46386	C	3	0.2	13	19	51	31	<5	<3
46387	C	5	0.1	11	59	37	30	<5	<3
46388	C	3	0.2	11	50	35	37	<5	<3
46389	C	<2	0.2	8	31	38	16	<5	<3
46390	C	4	0.1	6	18	38	<5	<5	<3
46391	C	<2	0.1	4	10	44	5	<5	<3
46392	C	3	<0.1	4	7	40	<5	<5	<3
46393	C	2	0.1	5	5	58	<5	<5	<3
46394	C	3	0.2	28	152	68	<5	<5	<3
46395	C	6	0.2	17	82	61	18	<5	<3
46396	C	15	0.2	19	60	66	32	<5	<3
46397	C	16	0.2	20	43	46	58	<5	<3
46398	C	17	0.3	21	45	34	47	<5	<3
46399	C	21	0.3	25	52	25	34	<5	<3
46400	C	18	0.2	22	55	29	33	<5	<3
46401	C	20	0.2	24	61	36	44	<5	<3
46402	C	6	0.2	14	46	82	14	<5	<3
46403	C	9	0.2	15	29	73	16	<5	<3
46404	C	12	0.3	16	28	86	24	<5	<3
46405	C	7	0.2	7	8	196	6	<5	<3
46406	C	2	<0.1	48	6	114	13	<5	<3
46407	C	2	0.1	20	7	17	12	<5	<3
46408	C	84	0.1	20	14	6	35	<5	<3
46409	C	129	0.2	15	24	10	46	<5	<3
46410	C	99	0.2	20	40	31	73	8	<3
46411	C	32	0.3	21	55	30	83	10	<3
46412	C	60	0.3	26	48	305	53	7	3
46413	C	58	0.3	34	52	144	40	13	<3
46414	C	159	0.3	35	64	81	45	13	<3
46415	C	65	0.4	43	66	44	70	13	<3
46416	C	153	0.3	35	66	352	50	13	<3
46417	C	129	0.2	29	51	24	124	8	<3
46418	C	70	0.2	28	35	6	140	<5	<3
46419	C	208	0.3	36	17	1	81	<5	<3
46420	C	46	0.3	26	46	17	117	<5	<3
46421	C	92	0.2	21	52	14	137	8	<3
46422	C	111	0.2	22	36	12	108	5	<3
46423	C	21	0.2	29	32	14	58	6	<3
46424	C	32	0.3	25	24	2	104	<5	<3

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
46425	C	24	0.1	16	11	5	31	<5	<3
46426	C	18	0.1	23	14	3	25	<5	<3
46427	C	42	0.1	26	32	10	57	6	<3
46428	C	63	0.3	35	55	11	62	11	<3
46429	C	18	0.2	49	61	9	69	10	<3
46430	C	4	0.1	78	29	7	59	<5	<3
46431	C	<2	0.1	62	27	23	76	<5	<3
46432	C	<2	0.1	48	25	31	88	<5	<3
46433	C	<2	0.2	26	24	39	103	<5	<3
46434	C	<2	0.2	14	15	19	46	<5	<3
46435	C	<2	0.1	16	9	13	27	<5	<3
46436	C	<2	0.1	25	11	9	20	<5	<3
46437	C	<2	0.1	22	13	46	17	<5	<3
46438	C	<2	0.2	34	18	228	19	<5	<3
46439	C	<2	0.1	49	15	554	18	<5	<3
46440	C	<2	0.2	30	12	96	29	<5	<3
46441	C	<2	0.1	21	13	91	26	<5	<3
46442	C	<2	0.1	10	10	77	20	<5	<3
46443	C	<2	0.1	10	12	99	17	<5	<3
46444	C	<2	0.2	10	10	106	16	<5	<3
46445	C	<2	0.1	13	12	171	22	<5	<3
46446	C	<2	0.2	19	12	1338	29	<5	<3
46447	C	<2	0.2	17	13	462	25	<5	<3
46448	C	<2	0.2	25	12	402	22	<5	<3
46449	C	2	0.2	20	15	288	31	<5	<3
46450	C	<2	0.2	32	13	386	29	<5	<3
46451	C	3	0.1	19	10	318	40	<5	4
46452	C	18	0.2	17	20	185	18	<5	<3
46453	C	46	0.1	23	13	339	21	<5	<3
46454	C	38	0.2	17	7	13	14	<5	<3
46455	C	50	0.2	22	7	6	18	<5	<3
46456	C	51	0.3	35	33	7	36	28	<3
46457	C	315	0.3	14	13	5	28	14	<3
46458	C	119	0.3	22	43	2	36	29	<3
46459	C	195	<0.1	11	14	2	6	11	<3
46460	C	39	0.1	7	6	1	<5	8	<3
46461	C	44	<0.1	8	9	7	<5	9	<3
46462	C	24	<0.1	12	15	2	10	12	<3
46463	C	104	<0.1	16	9	<1	5	10	<3

Min Limit	2	0.1	1	2	1	5	5	3	
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	9999	
Method	FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP	

Min Limit	2	0.1	1	2	1	5	5	3	
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	9999	
Method	FAAA	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

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CERTIFICATE OF ANALYSIS
iPL 94I2702

Client: Homestake Mineral Dev (Eskay) iPL: 94I2702 M Out: Sep 30, 1994 Section 1 of 1
Project: 90708 186 Core In: Sep 27, 1994 [052617:10:1] 94] Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
46464	C	51	0.1	16	11	<1	6	10	<3
46465	C	23	0.1	13	6	<1	5	10	<3
46466	C	40	0.1	19	13	14	9	13	<3
46467	C	57	0.4	62	36	14	31	26	<3
46468	C	27	0.2	108	214	4	53	132	<3
46469	C	34	0.2	39	97	2658	28	63	28
46470	C	16	0.7	56	41	291	54	38	5
46471	C	24	0.5	18	24	22	27	15	<3
46472	C	38	0.6	24	15	92	54	16	<3
46473	C	<2	0.4	20	13	10	83	16	<3
46474	C	49	0.4	37	5	17	35	8	<3
46475	C	262	0.3	22	8	10	38	13	<3
46476	C	35	0.5	15	8	8	36	13	<3
46477	C	30	0.3	14	3	11	41	9	<3
46478	C	53	0.1	14	5	14	24	6	<3
46479	C	29	0.3	13	2	91	32	6	<3
46480	C	88	0.2	4	3	33	41	<5	<3
46481	C	16	0.2	4	<2	435	70	<5	<3
46482	C	30	0.1	5	2	196	83	10	<3
46483	C	47	0.2	9	9	11	31	11	<3
46484	C	54	0.1	13	9	206	49	18	<3
46485	C	10	0.1	14	11	9	33	7	<3
46486	C	<2	0.1	7	<2	72	22	<5	<3
46487	C	24	0.1	10	<2	12	14	<5	<3
46488	C	23	0.2	12	2	19	25	<5	<3
46489	C	36	0.2	10	9	12	34	5	<3
46490	C	15	0.1	5	4	19	17	<5	<3
46491	C	14	0.2	9	9	46	23	<5	<3
46492	C	34	0.2	45	72	60	58	27	<3
46493	C	45	0.2	32	95	5	62	53	<3
46494	C	12	0.2	25	44	27	70	95	<3
46495	C	28	0.7	13	14	22	33	30	<3
46496	C	47	0.3	20	21	21	383	33	<3
46497	C	124	0.2	9	12	38	69	33	<3
46498	C	43	0.2	10	11	18	45	11	<3
46499	C	5	0.2	7	8	13	32	20	<3
46500	C	22	0.1	9	8	9	26	9	<3
46501	C	20	0.2	9	5	8	22	9	<3
46502	C	2	0.1	9	9	6	29	11	<3
46503	C	185	0.1	10	5	7	35	12	<3
46504	C	263	0.1	10	7	7	35	11	<3
46505	C	53	0.2	11	13	12	45	26	<3
46506	C	14	0.2	9	13	4	45	15	<3
46507	C	22	0.2	11	18	14	65	18	<3
46508	C	13	0.3	11	20	4	62	17	<3
46509	C	125	0.3	10	19	16	64	17	<3
46510	C	17	0.3	12	9	10	37	8	<3
46511	C	135	0.3	19	27	12	49	16	<3
46512	C	16	0.3	12	25	5	48	19	<3
46513	C	30	0.3	15	35	9	48	27	<3
46514	C	18	0.3	29	50	17	43	27	<3
46515	C	35	0.8	66	77	47	98	24	<3
46516	C	24	0.6	37	79	36	61	31	<3
46517	C	33	0.8	19	34	3	47	33	<3
46518	C	25	0.9	42	99	2	51	35	<3
46519	C	19	0.7	32	175	7	41	32	<3
46520	C	71	0.8	24	135	8	39	32	<3
46521	C	6	0.3	23	215	6	72	77	<3
46522	C	19	0.3	12	38	9	31	82	<3
46523	C	23	0.3	21	156	3	62	193	<3
46524	C	74	0.4	19	185	6	73	233	<3
46525	C	28	0.4	13	28	2	44	95	13
46526	C	47	0.4	21	49	3	51	125	<3
46527	C	24	0.5	28	96	12	64	39	<3
46528	C	73	0.5	30	120	4	73	22	<3
46529	C	74	0.7	33	156	11	100	43	<3
46530	C	70	0.7	31	242	19	130	65	<3
46531	C	131	0.4	18	89	44	63	23	<3
46532	C	123	0.6	22	162	9	73	33	<3
46533	C	57	0.8	19	192	28	60	51	<3
46534	C	49	0.7	19	138	192	60	36	<3
46535	C	27	1.1	16	278	4	88	62	<3
46536	C	43	1.1	25	215	5	82	56	<3
46537	C	68	0.4	20	95	2	31	29	<3
46538	C	31	1.1	34	109	8	47	27	<3
46539	C	198	1.0	30	102	6	45	32	<3
46540	C	61	1.4	21	92	4	35	25	<3
46541	C	75	0.7	14	52	186	43	35	6
Min Limit		2	0.1	1	2	1	5	5	3
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	9999
Method		FAAA	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

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CERTIFICATE OF ANALYSIS
iPL 94I2702

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Client: Homestake Mineral Dev (Eskay) iPL: 94I2702 M Out: Sep 30, 1994 Page 5 of 5 Section 1 of 1
Project: 90708 186 Core In: Sep 27, 1994 [052617:10:2] 94] Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
46542	C	30	0.4	12	51	51	28	23	<3
46543	C	50	1.2	43	96	1	91	59	<3
46544	C	131	0.9	19	65	5	71	49	<3
46545	C	132	1.0	70	64	1	57	50	<3
46546	C	21	1.8	44	76	1	63	357	110
46547	C	8	1.9	22	117	<1	64	65	<3
46548	C	120	1.9	25	104	<1	67	59	<3
46549	C	65	2.0	14	79	<1	63	43	<3
46550	C	61	1.5	51	57	114	76	60	7
46551	C	41	1.4	50	67	57	74	97	6
46552	C	66	1.3	64	75	106	81	78	7
46553	C	98	1.7	78	63	1	73	49	<3
46554	C	45	1.2	59	60	2	68	37	<3
46555	C	27	0.7	42	68	1	82	45	<3
46556	C	50	0.9	33	82	1	87	47	<3
46557	C	149	2.0	20	100	<1	100	50	<3
46558	C	67	1.5	27	121	4	112	78	<3
46559	C	125	0.7	34	124	5	78	68	<3
46560	C	28	1.4	32	114	4	81	89	<3
46561	C	59	1.5	5	109	136	99	90	6
46562	C	123	0.3	5	85	75	62	51	4
46563	C	26	0.3	5	93	4	64	74	<3
46564	C	143	0.3	3	222	48	217	122	10
46565	C	42	0.3	5	231	2	146	124	<3
46566	C	51	0.3	6	132	1	134	105	<3
46567	C	44	0.3	11	134	2	136	103	<3
46568	C	30	0.2	8	89	8	94	113	<3
46569	C	57	0.2	8	89	1	97	72	<3
46570	C	27	0.3	9	66	2	73	94	<3
46571	C	28	0.2	14	60	1	79	57	<3

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm

Min Limit	2	0.1	1	2	1	5	5	3
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	9999
Method	FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP

	2	0.1	1	2	1	5	5	3
	9999	99.9	20000	20000	20000	9999	9999	9999
	FAAA	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

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CERTIFICATE ? ANALYSIS
iPL 94I1205

Homestake Mineral Dev (Eskay)
Out: Sep 21, 1994 Project: 90708
In : Sep 12, 1994 Shipper: Alex Walus
PO#: Shipment: ID=C024408
Msg: Au(FA/AAS 30g) ICP(AqR)07
Msg:

66 Samples

	5= Rock	0= Soil	61= Core	0=RC Ct	0= Pulp	0=Other	[047714:04:29:49092194]
Raw Storage:	03Mon/Dis	--	03Mon/Dis	--	--	--	Mon=Month Dis=Discard
Pulp Storage:	12Mon/Dis	--	12Mon/Dis	--	--	--	Rtn=Return Arc=Archive

Document Distribution

	EN	RT	CC	IN	FX
1 Homestake Canada Inc					
Eskay Creek Camp	1	2	2	2	1
Eskay Creek	DL	3D	5D	BT	BL
BC V0J 2N0	0	0	0	1	0
ATT: Doug Reddy/Alex Walus	Ph:604/521-7396				
c/o: Fax ONLY if available	Fx:604/524-8046				
2 Homestake Canada Inc	EN	RT	CC	IN	FX
1000 - 700 W Pender St	2	2	1	0	1
Vancouver	DL	3D	5D	BT	BL
BC V6C 1G8	0	0	0	0	0
ATT: Ron Britten/Shiela Kiezer	Ph:604/684-2345				
	Fx:604/684-9831				
3 Homestake Canada Inc	EN	RT	CC	IN	FX
If no answer at Ph=604/521-7396	3	2	0	0	1
Eskay Creek	DL	3D	5D	BT	BL
BC V0J 2N0	0	0	0	0	0
ATT: Doug Reddy/Alex Walus	Ph:604/				
c/o: Smithers Expediting	Fx:604/847-2566				

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

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 0=3-1/2 Disk 0=5-1/4 Disk

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CERTIFICATE OF ANALYSIS
iPL 94I1205

Client: Homestake Mineral Dev (Eskay) iPL: 94I1205 M Out: Sep 21, 1994 Page 1 of 2 Section 1 of 1
Project: 90708 66 Core In: Sep 12, 1994 [047714:17:3] 94] Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
46245	C	204	1.8	86	30	103	124	<5	<3
46246	C	168	1.8	88	19	87	144	<5	<3
46247	C	319	3.3	84	24	85	171	<5	<3
46248	C	248	0.8	82	23	95	131	<5	<3
46249	C	227	1.0	98	15	111	96	<5	<3
46250	C	165	1.4	92	12	99	106	<5	<3
46251	C	188	2.3	102	8	146	70	<5	<3
46252	C	722	3.8	184	40	208	222	<5	<3
46253	C	289	2.1	55	63	81	234	<5	<3
46254	C	142	1.7	44	36	82	64	<5	<3
46255	C	122	1.8	107	18	79	70	<5	<3
46256	C	502	4.7	91	27	23	62	<5	<3
46257	C	2235	3.2	116	25	49	130	<5	<3
46258	C	349	1.7	106	16	72	89	<5	<3
46259	C	403	3.2	58	68	28	189	<5	<3
46260	C	415	1.4	88	26	83	149	<5	<3
46261	C	143	0.4	295	10	1076	55	<5	<3
46262	C	10	0.4	512	16	694	17	<5	<3
46263	C	24	0.9	799	34	301	47	<5	<3
46264	C	288	1.4	229	39	144	91	<5	<3
46265	C	384	1.8	220	58	264	89	<5	<3
46266	C	590	9.1	940	133	188	146	<5	<3
46267	C	261	3.7	161	205	92	222	<5	<3
46268	C	458	4.8	96	465	80	150	<5	<3
46269	C	386	1.5	115	38	94	107	<5	<3
46270	C	306	0.7	173	32	348	32	<5	<3
46271	C	807	1.8	131	34	238	100	<5	<3
46272	C	2415	3.1	141	24	262	56	<5	<3
46273	C	1070	2.2	213	50	202	72	<5	<3
46274	C	480	1.1	117	23	140	78	<5	<3
46275	C	285	0.8	189	11	345	56	<5	<3
46276	C	175	0.7	256	10	625	67	<5	<3
46277	C	205	1.0	191	34	101	91	<5	<3
46278	C	659	0.6	104	13	107	125	<5	<3
46279	C	416	1.3	127	23	105	126	<5	<3
46280	C	524	0.6	197	13	97	159	<5	<3
46281	C	300	1.2	99	11	87	113	<5	<3
46282	C	200	1.0	54	8	119	92	<5	<3
46283	C	262	0.8	55	4	139	82	<5	<3
46284	C	134	0.8	200	7	178	76	<5	<3
46285	C	101	0.5	114	6	128	58	<5	<3
46286	C	367	1.4	112	13	200	183	<5	<3
46287	C	375	2.0	114	12	185	219	<5	<3
46288	C	242	2.0	81	41	105	133	<5	<3
46289	C	606	5.9	210	27	95	126	<5	<3
46290	C	204	2.2	191	21	96	125	<5	<3
46291	C	212	2.4	126	17	93	70	<5	<3
46292	C	267	3.6	127	22	97	95	<5	<3
46293	C	70	0.8	112	12	81	50	<5	<3
46294	C	44	0.6	93	12	100	63	<5	<3
46295	C	129	1.9	157	14	115	72	<5	<3
46296	C	42	0.6	145	17	128	68	<5	3
46297	C	110	1.1	173	18	142	78	<5	<3
46298	C	197	2.3	312	15	139	114	<5	<3
46299	C	453	4.7	224	24	141	236	<5	<3
46300	C	774	4.0	272	24	112	223	<5	<3
46301	C	574	3.4	264	40	166	290	<5	<3
46302	C	200	1.2	70	15	112	184	<5	<3
46303	C	137	0.8	110	26	113	97	<5	<3
46304	C	377	1.4	179	22	116	125	<5	<3
46305	C	161	0.7	245	16	117	64	<5	<3
Min Limit		2	0.1	1	2	1	5	5	3
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	9999
Method		FAAA	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

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CERTIFICATE OF ANALYSIS

iPL 94I0901

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Homestake Mineral Development Co 15 Samples 0= Rock 0= Soil 15= Core 0=RC Ct 0= Pulp 0=Other [047114:49:28:49091394]

Out: Sep 13, 1994 Project: 90704 Raw Storage: -- -- 03Mon/Dis -- -- -- Mon=Month Dis=Discard
In : Sep 09, 1994 Shipper: Alex Walus Pulp Storage: -- -- 12Mon/Dis -- -- -- Rtn=Return Arc=Archive
PO#: Shipment: ID=C024400
Msg: Au(FA/AAS 30 g) ICP(AqR)07
Msg: ICP=Ag/Cu/Pb/Zn/As/Sb/Hg

Document Distribution

	EN	RT	CC	IN	FX
1 Homestake Canada Inc					
Eskay Creek Camp	1	2	2	2	1
Eskay Creek	DL	3D	5D	BT	BL
BC V0J 2N0	0	0	0	1	0
ATT: Doug Reddy/Alex Walus	Ph:604/521-7396				
c/o: Fax ONLY if available	Fx:604/524-8046				
2 Homestake Canada Inc	EN	RT	CC	IN	FX
1000 - 700 W Pender St	2	2	1	0	1
Vancouver	DL	3D	5D	BT	BL
BC V6C 1G8	0	0	0	0	0
ATT: Ron Britten/Shiela Kiezer	Ph:604/684-2345				
	Fx:604/684-9831				
3 Homestake Canada Inc	EN	RT	CC	IN	FX
If no answer at Ph=604/521-7396	3	2	0	0	1
Eskay Creek	DL	3D	5D	BT	BL
BC V0J 2N0	0	0	0	0	0
ATT: Doug Reddy/Alex Walus	Ph:604/				
c/o: Smithers Expediting	Fx:604/847-2566				

Analytical Summary

##	Code	Method	Title	Low Limit	High Limit	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

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Client: Homestake Mineral Development Co iPL: 94I0901 Out: Sep 13, 1994 Page 1 of 1 Section 1 of 1
Project: 90704 15 Core In: Sep 09, 1994 [047114:55:20:49091394] Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
46139	C	596	0.7	45	<	205	41	<	<
46140	C	275	0.8	51	10	306	31	<	<
46141	C	349	0.2	63	9	615	31	<	<
46142	C	544	0.3	45	9	860	41	<	<
46143	C	601	1.7	20	9	606	59	<	<
46144	C	181	1.0	39	25	257	51	<	<
46145	C	243	0.9	314	10	361	24	<	<
46146	C	184	0.5	47	16	101	28	<	<
46147	C	195	1.0	69	26	38	18	<	<
46148	C	345	2.6	495	20	30	67	<	<
46149	C	1020	7.5	15	496	122	101	8	<
46150	C	735	4.0	8	136	4	191	5	<
46151	C	448	2.4	131	13	51	213	<	<
46152	C	417	2.6	204	5	195	85	<	<
46153	C	1390	6.5	93	10	68	186	<	<
Min Limit		2	0.1	1	2	1	5	5	3
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	9999
Method		FAAA	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

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CERTIFICATE ANALYSIS
iPL 94I0702

Client: Homestake Mineral Development Co iPL: 94I0702 M Out: Sep 09, 1994 Page 1 of 4 Section 1 of 1
Project: 90704 120 Core In: Sep 07, 1994 [046614:39:5] 94] Certified BC Assayer: David Chiu

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
46055	C 126	0.1	92	51	108	120	<5	<3	46094	C 447	5.0	34	138	<1	132	<5	<3
46056	C 441	0.4	65	53	58	199	<5	<3	46095	C 476	3.7	47	206	<1	235	<5	<3
46057	C 96	0.1	71	17	54	53	<5	<3	46096	C 371	4.0	119	66	<1	205	<5	<3
46058	C 385	2.0	136	154	89	153	<5	<3	46097	C 1640	15.8	75	123	<1	365	<5	<3
Min Limit	2	0.1	1	2	1	5	5	3		2	0.1	1	2	1	5	5	3
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	9999		9999	99.9	20000	20000	20000	9999	9999	9999
Method	FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP		FAAA	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

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Client: Homestake Mineral Development Co iPL: 94I0702 M Out: Sep 09, 1994 Page 3 of 4 Section 1 of 1
Project: 90704 120 Core In: Sep 07, 1994 [046614:40:0] 94] Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
46098	C	418	2.6	56	291	1	302	<5	<3
46099	C	192	1.1	90	167	68	128	<5	<3
46100	C	1800	17.2	172	121	1	280	<5	<3
46101	C	729	5.5	109	43	45	133	<5	<3
46102	C	453	3.0	57	60	36	186	<5	<3
46103	C	451	2.7	59	138	17	260	<5	<3
46104	C	673	4.4	44	91	5	179	<5	<3
46105	C	547	2.5	59	60	18	372	<5	<3
46106	C	537	1.8	28	37	4	230	<5	<3
46107	C	553	3.2	35	23	9	319	<5	<3
46108	C	511	2.4	45	21	20	267	<5	<3
46109	C	214	0.9	38	16	15	295	<5	<3
46110	C	153	0.7	122	84	56	243	<5	<3
46111	C	154	1.0	76	76	43	368	<5	<3
46112	C	146	1.1	165	9	69	142	<5	<3
46113	C	166	0.6	80	7	63	134	<5	<3
46114	C	145	1.9	91	11	40	246	<5	<3
46115	C	212	2.3	91	8	43	196	<5	<3
46116	C	975	11.4	141	9	35	92	<5	<3
46117	C	542	7.5	529	15	91	123	<5	<3
46118	C	364	3.0	475	24	108	232	<5	<3
46119	C	415	1.1	417	13	127	116	<5	<3
46120	C	413	3.0	151	32	67	158	<5	<3
46121	C	894	1.9	126	225	244	234	<5	<3
46122	C	1975	0.8	153	28	68	46	<5	<3
46123	C	447	0.7	376	28	57	29	<5	<3
46124	C	109	<0.1	220	28	73	28	<5	<3
46125	C	246	<0.1	378	25	70	27	<5	<3
46126	C	120	0.1	244	31	51	48	<5	<3
46127	C	252	<0.1	407	30	65	60	<5	<3
46128	C	955	<0.1	422	32	67	61	<5	<3
46129	C	400	0.5	287	43	45	70	<5	<3
46130	C	168	0.5	116	86	44	48	<5	<3
46131	C	178	0.2	199	76	41	34	<5	<3
46132	C	233	0.2	306	25	68	54	<5	<3
46133	C	386	3.0	300	22	46	61	<5	<3
46134	C	167	0.8	378	32	117	44	<5	<3
46135	C	183	0.6	196	28	304	38	<5	<3
46136	C	187	0.5	57	22	342	66	<5	<3
46137	C	350	4.0	78	226	615	72	6	<3
46138	C	490	5.8	181	73	308	220	11	<3
BS	R	18	0.9	370	1701	42	<5	<5	<3
Min Limit		2	0.1	1	2	1	5	5	3
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	9999
Method		FAAA	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

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Homestake Mineral Dev (Eskay)
Out: Sep 26, 1994 Project: 90708
In : Sep 22, 1994 Shipper: Alex Walus
PO#: Shipment: ID=C024400
Msg: Au(FA/AAS 30g) ICP(AqR)07
Msg:

80 Samples

	0= Rock	0= Soil	76= Core	0=RC Ct	0= Pulp	4=Other	[051611:31:55:49092694]
Raw Storage:	--	--	03Mon/Dis	--	--	03Mon/Dis	Mon=Month Dis=Discard
Pulp Storage:	--	--	12Mon/Dis	--	--	12Mon/Dis	Rtn=Return Arc=Archive

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Vancouver	DL	3D	5D	BT	BL
BC V6C 1G8	0	0	0	0	0
ATT: Ron Britten/Shiela Kiezer	Ph:604/684-2345				
	Fx:604/684-9831				
3 Homestake Canada Inc	EN	RT	CC	IN	FX
If no answer at Ph=604/521-7396	3	2	0	0	1
Eskay Creek	DL	3D	5D	BT	BL
BC V0J 2N0	0	0	0	0	0
ATT: Doug Reddy/Alex Walus	Ph:604/				
c/o: Smithers Expediting	Fx:604/847-2566				

Analytical Summary

##	Code	Method	Title	Low Limit	High Limit	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

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Project: 90708 80 Core In: Sep 22, 1994 [051611:31:5] 94] Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
46306	C	139	0.6	133	15	100	44	<5	<3
46307	C	174	0.6	172	20	128	27	<5	<3
46308	C	132	0.5	160	15	145	38	<5	<3
46309	C	74	0.6	243	19	175	36	<5	<3
46310	C	103	0.5	173	12	124	34	<5	<3
46311	C	113	0.7	145	10	142	61	<5	<3
46312	C	373	2.7	305	78	273	158	<5	<3
46313	C	230	2.0	149	12	76	105	<5	<3
46314	C	277	1.8	47	14	81	80	<5	<3
46315	C	113	1.7	10	4	405	110	<5	<3
46316	C	83	1.2	56	5	433	52	<5	<3
46317	C	492	2.1	460	8	544	94	<5	<3
46318	C	122	1.1	39	4	578	70	<5	<3
46319	C	92	0.6	34	5	346	47	<5	<3
46320	C	72	0.7	5	2	159	57	<5	<3
46321	C	106	0.8	34	7	252	68	<5	<3
46322	C	31	0.6	16	<2	233	49	<5	<3
46323	C	73	0.7	8	4	240	50	<5	<3
46324	C	59	0.5	6	2	259	33	<5	<3
46325	C	334	0.9	33	7	182	92	<5	<3
46326	C	36	0.5	35	5	412	37	<5	<3
46327	C	34	0.7	42	7	275	43	<5	<3
46328	C	1250	3.5	10	17	191	117	<5	<3
46329	C	181	0.8	103	7	161	81	<5	<3
46330	C	190	0.7	80	12	167	113	<5	<3
46331	C	117	11.5	75	517	4	550	5	<3
46332	C	361	3.9	5	78	1	20	20	<3
46333	C	311	3.3	4	20	<1	15	12	<3
46334	C	348	7.6	9	109	5	79	39	<3
46335	C	506	16.3	50	721	66	188	42	<3
46336	C	485	1.4	4	288	<1	97	5	<3
46337	C	437	3.4	6	121	<1	73	7	<3
46338	C	605	3.8	6	181	<1	90	<5	<3
46339	C	980	2.5	5	78	1	149	<5	<3
46340	C	990	2.9	11	172	1	228	<5	<3
46341	C	541	2.8	3	78	<1	117	6	<3
46342	C	477	2.0	12	48	3	113	<5	<3
46343	C	194	0.9	12	14	23	91	<5	<3
46344	C	323	1.3	18	36	<1	132	<5	<3
46345	C	504	0.9	4	33	<1	62	<5	<3
46346	C	515	1.8	5	141	<1	149	<5	<3
46347	C	676	4.9	57	293	5	721	22	<3
46348	C	749	7.8	16	284	10	384	13	<3
46349	C	723	7.2	15	179	7	732	11	<3
46350	C	675	3.8	35	281	2	368	7	<3
46351	C	1000	5.8	26	289	<1	336	7	<3
46352	C	738	4.8	16	116	<1	364	6	<3
46353	C	495	6.3	23	143	2	364	15	<3
46354	C	553	3.4	36	64	<1	477	<5	<3
46355	C	528	4.6	35	58	<1	301	<5	<3
46356	C	280	3.0	118	104	132	201	9	<3
46357	C	410	3.4	60	183	15	363	14	<3
46358	C	397	3.2	39	74	1	202	10	<3
46361	C	268	8.3	65	1214	3	474	15	<3
46362	C	820	9.0	7	36	3	36	23	<3
46363	C	394	11.0	6	574	24	39	26	<3
46364	C	612	9.2	7	189	2	70	41	<3
46365	C	443	3.3	5	394	<1	100	11	<3
46366	C	740	11.0	4	302	2	80	13	<3
46367	C	255	3.8	4	157	1	59	6	<3
46368	C	474	1.9	2	45	<1	76	5	<3
46369	C	839	2.3	6	38	<1	101	7	<3
46370	C	358	4.4	3	67	<1	199	7	<3
46371	C	786	4.5	5	85	<1	230	7	<3
46372	C	657	56.0	16	225	3	108	121	<3
46373	C	577	10.1	18	229	3	295	19	<3
46374	C	338	6.0	20	233	6	119	22	<3
46375	C	206	0.9	95	70	110	167	<5	<3
46376	C	393	5.5	23	838	4	438	12	<3
46377	C	870	5.8	26	162	1	519	<5	<3
46378	C	867	5.7	43	90	5	446	<5	<3
46379	C	675	5.0	28	94	<1	196	<5	<3
46380	C	452	5.4	21	229	<1	225	6	<3
46381	C	787	4.3	51	121	11	452	<5	<3
46382	C	812	3.6	36	56	3	273	5	<3
46383	C	840	4.8	10	279	2	221	8	<3
46359	C	378	2.5	66	402	28	267	5	<3
46360	C	290	3.2	74	288	195	218	9	<3
Min Limit		2	0.1	1	2	1	5	5	3
Max Reported*		9999	99.9	20000	20000	20000	9999	9999	9999
Method		FAAA	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

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Project: 90708 80 Core In: Sep 22, 1994 [051611:32:0] 94] Certified BC Assayer: David Chiu

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
46384	L	195	4.3	41	219	54	89	20	<3
46385	L	173	3.2	39	241	59	76	7	<3

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm

	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
Min Limit	2	0.1	1	2	1	5	5	3
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	9999
Method	FAAA	ICP	ICP	ICP	ICP	ICP	ICP	ICP

	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm
Min Limit	2	0.1	1	2	1	5	5	3
Max Reported*	9999	99.9	20000	20000	20000	9999	9999	9999
Method	FAAA	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

APPENDIX II

ROCK SAMPLE DESCRIPTIONS AND ASSAYS

1994 TREATY CREEK SAMPLES

ORPIMENT ZONE

Sample	Width	Location	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Hg (ppm)
10201	grab	AK1-1	10 cm yellow qtz vein within i[qz+py+alu+kaol]	13	-0.2	5	25	3	498.0	121	5.100
10202	1m chip	AK1-2	i[qz+py+alu+kaol], 30% vfgr py, S1=316/70	6	0.4	11	616	39	400.0	159	2.809
10203	grab	AK1-3	1cm white qz+sb vein	668	2.6	28	15	21	90.0	2880	5.090
10204	1m chip	AK2-1	laminated, crenulated i[qz+py+alu+kaol]	7	0.4	7	16	2	30.0	43	0.385
10205	1m chip	AK2-1	laminated i[qz+py+alu+kaol] and 15 cm massive orp vein	103	0.2	5	16	-1	>10000	398	0.541
10206	1m chip	AK2-2	grey i[sil+py] and 5mm yellow qz veins within laminated i[qz+py+alu+kaol]	542	5.4	9	14	6	63.0	57.6	1.972
10207	1m chip	AK2-3	pod of brn-grey i[sil] with sw of 5mm qz veins	177	0.9	7	84	30	37.0	68.8	2.124
10208	1m chip	AK2-5	clastic tx in i[qz+py+alu+kaol]	213	3.5	28	58	10	261.0	199	8.805
10209	50cm chip		laminated i[qz+py+alu+kaol] with vfgr black sus	297	0.7	8	8	5	36.0	63.3	0.705
10210	1m chip	AK2-6	massive white i[sil+/-py]	52	-0.2	5	14	-1	33.0	21.8	1.629
10211	1m chip	Ak2-6	grey i[sil+py], 10% vfrg py	53	0.2	18	13	-1	16.0	25.6	2.067
10212	1m chip	AK2-6	grey i[sil+py] with sw of white qz veins, 277/65	309	0.9	21	12	-1	34.0	70.7	>50
10213	1m chip	AK2-6, 4050'	i[pyroph+py+qz+alu+/-kaol] adjacent to i[sil]	11	0.2	5	118	-1	124.0	119	4.840
10214	1m chip	AK2-6, 4050'	barren i[sil], grey i[sil+py]	19	-0.2	4	61	-1	58.0	121	1.223
10215	1m chip	AK9-1	grey i[sil+py], rere drusy cavities and grey sus	13	0.9	927	4	15	714.0	45.8	4.670
10217	1m chip	AK3-1	barren i[sil] with 1 cm py pods	26	-0.2	6	15	1	12.0	12	1.622
10218	1m chip	AK3-2	massive i[sil] with limonitic fractures and cavities, 1-2% py	47	0.3	5	390	-1	40.0	228	1.522
10219	1m chip	AK3-4	black bitumen rich slst with qz-py boxwork along S1	3016	0.7	17	27	4	276.0	73.2	6.882
10220	1m chip	AK3-3	qz boxwork after py in foliated i[pyroph+py+qz+/-kaol]	16	0.4	15	15	5	28.0	10	1.783
10221	1m chip	AK3-3	same as 10220	-5	0.5	4	4	2	10.0	12	5.122
10222	1m chip		qz boxwork in grey i[sil+py]	-5	0.2	4	10	-1	8.5	2.2	2.759
10223	1m chip	AK4-7	i[sil+py] with yellow qz sw, 1cm veins	273	0.2	20	20	526	61.0	14	46.393
10867	2m	?	fine py (30-40%)-qz-alunite-pyrophyllite? with <1% drk gry sx	54	2.4	160	370	3	43	1118	0.714
10868	2m	?	same as 10867	15	1.3	75	284	4	47	601	1.349
11701	4cm	ak2-1	4cm yellow qz vein	9	0.2	8	10	30	200	45.7	0.547
11702	50cm	ak2-2	white-yellow-pale green qz stringers in mass py	155	1.3	9	52	5	54	29.6	1.417
11704	1m	ak2-1	stockwork of yellow qx v's in sil'd rock, trend N-S	10	1	7	14	1	30	27.9	1.115
11705	1m	ak2-6	laminated qx-py	-5	-0.2	5	78	-1	25	94.8	1.569
11706	30cm	ak3-3	py nodules in qx-clay alteration, py finely xtaline	6	0.3	46	18	6	157	4.1	0.924
11707	1m	ak3-3	qx-py, +/- boxwork after py	60	0.3	3	18	3	7.2	20	1.258
11708	2m	ak3-3	qx-clay-py foliated rock	-5	0.3	20	10	6	33	13	1.755
11709	40cm	ak3-3	40x30cm py nodule in sil'd rock with boxwork after py	7	0.4	11	-2	43	35	13	8.857
11710	10cm	ak3-4	qx-carb vein with pyrobitumen (?)	-5	0.2	184	9	53	40	3.7	0.15
11711	1m	ak3-1	vuggy qx with bladed textures (cal?,ba?), 10% py	18	0.3	3	15	-1	11	89.7	0.328
11713	60cm	kp4-1	irregular, blebby qx vein in qx-py alt rock	7	0.3	4	11	33	12	1.9	0.105
11714	1m	kp4-1	qx with 50% fresh py, 50% boxwrk after py, clay alt	6	0.6	1	74	30	6.3	7.1	0.429
11715	1m	ak4-7	qx-clay-py alt of k-spar-plag porphyry. 5m below sil'd zone	7	0.3	14	5	9	15	8.1	0.72

TREATY NUNATAK ZONE

Sample	Width	Location	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Hg (ppm)
10224	Grab	AK7-3	Grey tuffaceous-pyritic laminations in black siltstones	-5	0.6	62	10	145	25	1.5	0.129
10225	Grab	AK8-2	Pyritic laminations in black siltstones	-5	0.6	76	13	132	16	2.5	0.166
10226	1.0 m	AK9-6	Qz vein and qz+ser+py altered wallrock	-5	0.3	5	14	42	10	2.9	0.098
10227	Grab	AK10-6	2 cm qz vein	-5	0.3	6	6	27	7.1	2.3	0.056
10228	Float	AK10-9	8 cm qz-cc vein with chl margins	-5	-0.2	3	-2	113	2.1	0.6	0.01
10229	Grab	AK10-11	Grey silicification +py and <1 cm qz sw	-5	-0.2	5	3	3	8	1.8	0.262
10230	1.0 m	AK9-1	Hematitic silicification+py	75	1.1	91	24	115	69	10	0.046
10231	1.0 m		Sheared [qz+ser+py]	61	0.5	9	45	107	-5	-5	0.079
10232	1.0 m	AK11-12	Sheared [pyroph+py]	14	-0.2	7	5	4	8	10	0.342
10233	1.0 m	AK11-12	Grey silicification with vfr dis py	8	-0.2	9	-2	3	-5	-5	0.109
10234	Grab		10 cm crustiform qz-py vein	11	-0.2	6	5	45	32	-5	0.041
10235	Grab	AK12-2	sheared [ser+pyroph+py]	-5	-0.2	11	14	59	8	-5	0.153
10251	Grab	AK20-8	cpy+mal+/-cuprite in mas andesite and along S1	1792	3.21oz/t	6.49%	-2	67	5	-5	0.048
10293	1.0 m chip	AK37-3	Qz sw veinlets < 1 cm	157	7.1	28	97	44	62	24	0.102
10294	1.0 m chip	AK37-3	[qz+ser+py] andesite, strongly sheared	77	2	24	41	18	57	7	0.051
10295	1.0 m chip	AK37-5	Strongly foliated [qz+clay+py] and [silicification+py] and py stringers	17	-0.2	7	11	9	36	8	0.216
10296	1.0 m chip	AK37-5	Qz-py veinlets in [kaol+py+qz], pos alunite	14	-0.2	39	31	13	52	8	0.155
10297	0.3 m chip	AK37-7	[qz+kaol+py] with pods of silicification	75	0.9	12	50	318	23	13	0.061
10298	1.0 m chip	AK37-7	Grey [kaol+py+qz] strongly sheared	-5	-0.2	14	13	27	10	-5	0.035
10299	1.0 m chip	AK37-7	Grey [kaol+py+qz], strongly sheared	70	0.6	24	28	599	14	11	0.163
11716	grab	4620'	Massive py btwn pillows in andesite unit	-5	0.4	34	-2	48	12	12	0.334
11717	20cm	5270'	10-20cm hydrothermal bx in fault zone. Barren Qz matrix, slst clasts	-5	-0.2	11	9	143	5.5	5.5	0.103
11718	50cm	18+30W 0+60N	Shear zone, Qz-Clay-Pyrobitumen alt, trends 310	31	0.4	82	34	23	9	9	0.134

1994 TREATY CREEK SAMPLES

TREATY NUNATAK ZONE

Sample	Width	Location	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Hg (ppm)
11720	30cm	17+75W 0+80S	Shear zone, Qz-clay-Pyrobitumen alt, trends 300	12	-0.2	160	25	51	40	-5	0.108
11721	20cm	13+70W 1+40N	Qz-Barite vein in plag-ortho porph. Oriented 060/20	46	0.7	80	81	82	200	-5	0.035
11722	grab	18+80W 1+60S	Qz-Ser-Py schist. Compare to 11723 & 11724. Lowest (unweathered) rx in weatherin	-5	-0.2	4	7	1	10	-5	0.053
11723	grab	18+80W 1+60S	Fragmented Qz-Ser-Py schist with clay matrix. Compare to 11722 & 11724.	15	-0.2	5	14	23	23	-5	0.045
11724	grab	18+80W 1+60S	Clay layer above cobble ferricrete layer, highest in weathering sequence. Compare to	10	-0.2	7	15	19	19	-5	0.186
11725	1m	kp15-2	Heterolithic dacitic bx with strong qz stockworking	13	-0.2	27	8	81	29	-5	0.04
11726	40cm	17+00W 2+50S	Shear zone - Qz-Clay-Py alt, possible connection to samples 11718 & 11720.	7	-0.2	51	23	27	36	-5	0.131
11727	1m	17+70W 4+30S	Strongly sil'd porphyry with hematitic alt in silica	13	0.2	-1	20	1	11	8	0.203
11728	1m	kp17-2	small Qz-Ser-Py zone in plag-ortho porphyry	-5	-0.2	-1	14	35	-5	-5	0.046
10300	1.0 m chip		Grey pyritic silicification withi barren silicification	55	0.9	20	32	15	19	21	1.103
10301	1.0 m chip		Barren silicification	-5	-0.2	4	5	5	-5	-5	0.012
10302	1.0 m chip	AK37-8	Pods of grey pyritic sil in [qz+ser+py]	71	0.8	12	20	11	15	6	0.242
10303	1.0 m chip	AK37-9	Hem sil with disseminated cgr and fgr dis py and , 1 cm qz veins	364	3.8	7	70	8	24	16	0.056
10304	1.0 m chip	AK37-9	Grey [qz+clay] hosting fgr dis py	131	0.7	5	55	7	25	9	0.104
10305	Grab	AK37-9	Hem sil with fgr and cgr dis py	2341	24.3	33	52	9	22	22	0.081
10801	grab	15+30W 7+10N	limonitic sericite schist with 5-10% white clay	118	5.2	36	1053	737	267	24.1	0.932
10802	grab	15+30W 7+10N	limonitic sericite schist with 5-10% white clay	488	13.4	32	1170	551	233	29.1	0.666
10843	float	15+00W 5+00N	siliceous, py rich breccia, 20-30% py	521	9.1	74	52	48	11	-5	0.736
10844	float	11+25W 3+15N	fragment of strongly limonitic, vuggy (boxwork?) qz vein with trace galena	13	-0.2	17	6	67	9	-5	0.044

EUREKA ZONE

Sample	Width	Location	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Hg (ppm)
10236	1.0 m chip	AK12-6	Local [qz+ser+py] shear with qz box work	516	13	25	349	20	327	7	0.165
10237	1.0 m chip		[qz+ser+py] with hem silicification, cgr py	203	4.7	25	66	18	105	-5	0.048
10238	1.0 m chip	AK12-9	White silicification with qz sw and cgr dis py	58	0.5	6	23	4	10	-5	0.044
10239	1.0 m chip	AK12-9	qz sw in [qz+ser+py]	21	0.2	14	9	54	18	-5	0.014
10240	1.0 m chip		Hem silicification with mgr dis py in [qz+ser+py] wall rock	147	0.7	12	597	44	114	-5	0.279
10241	1.0 m chip		Hem silicification in [qz+ser+py]	255	9.5	24	205	19	191	-5	0.25
10242	Grab	AK14-4	Semi-massive cgr py , mx=qz+clay	2954	3.6	44	9	54	18	-5	0.982
10243	1.5 m	TR93-11	Re-sample of 101 and 102	443	4.2	8	1049	5	369	34	0.385
10244	1.5 m	TR93-11	Re-sample of 103 an 104	1653	48.1	15	142	154	90	214	5.736
10245	1.5 m	TR93-11	Re-sample of 105, limonite+jarosite stained qz box work and sheeted qz veining	1050	8.2	29	126	18	369	13	0.893
10246	1.5 m	TR 93-11	Re-sample of 106	3393	7.5	46	24	18	486	-5	1.207
10247	1.5 m	TR93-11	Re-sample of 107	3315	6.3	36	48	11	1217	14	0.49
10248	1.5 m	TR93-11	Re-sample of 107 and 108	4491	11.6	12	273	4	797	21	0.441
10249	1.5 m	TR93-11	Re-sample of 108 and 107	2302	9	4	359	4	425	-5	0.442
10250	1.5 m	TR93-11	Re-sample of 108 and 109	7889	10.4	6	64	4	159	9	0.778
10275	0.15m		crustiform, semi-massive py-qz-chl vein with bimodal cgr and fgr py	2330	16.1	710	703	592	271	-5	0.537
10276	0.25 m chip		Banded white qz-py vei with minor py and tet	.344oz/t	17.1	76	251	32	254	14	0.158
10277	0.15 m chip		S[qz+ser+py] wall rock with jointing 008/82	816	5.5	151	187	14	400	5	0.15
10278	Grab		White qz vein and [kaol+pyroph+qz+py] wall rock	852	12.4	60	1486	21	128	8	0.428
10279	Grab		>2 cm qz vein and [qz+kaol+py] wall rock	694	0.2	52	28	30	158	6	0.215
10803		1.5 TR94-1	complete replacement by sericite, silica, limonite and lesser clay, no sulphides, boxw	718	7.4	59	192	19	89	23.9	0.376
10804		1.5 TR94-1	same as 10803	565	6	86	86	30	115	25.7	0.652
10805		1.5 TR94-1	complete alteration to sericite, silica, clays and limonite, locally trace malachite	625	6.7	187	187	41	288	40.5	0.675
10806		1.5 TR94-1	complete alteration to soft yellow homogenious mass of sericite, clays and limonite	1011	9.3	85	31	20	171	62.3	0.264
10807		1.5 TR94-1	complete replacement by sericite, clays and silica, minor limonite, boxwork after py	1515	11.5	42	71	21	247	58.7	0.569
10808		1.6 TR94-1	same as 10807	551	14.5	16	147	19	202	67.7	0.854
10809		1.5 TR94-2	complete alteration to sericite, silica and limnite	351	4.4	111	121	40	126	29.6	0.98
10810		1.5 TR94-2	rock soft, completely altered t sericite, clays and silica, minor diss py	414	4.3	88	140	29	212	51.2	0.816
10811		1.5 TR94-2	same as 10810	556	5.9	22	37	10	202	36	0.744
10812		1.5 TR94-2	complete alteration to silica with lesser sericite and locally chlorite, up to 5% py	225	1.2	18	19	10	126	7.1	0.042
10813		1.5 TR94-2	complete alteration to sericite, clays, limonite and quartz	259	3	61	77	43	394	14	0.098
10814		1.5 TR94-2	same as 10812	258	2.4	23	34	31	137	8.2	0.086
10815		1.5 TR94-3	moderate to strong sericite with lesser silica altered "rhyolite" minor clays, up to 15%	672	2.6	13	152	6	197	13	0.13
10816		1.5 TR94-3	same as 10815	298	1.7	21	248	12	157	5	0.098
10817		1.5 TR94-3	same as 10815	403	2.9	41	236	21	224	-5	0.121
10818		1.5 TR94-3	same as 10815	395	1.8	42	81	23	148	-5	0.464
10819		1.5 TR94-3	same as 10815	602	3.6	45	278	20	231	12	0.771
10820		1.5 TR94-3	same as 10815	390	0.9	40	58	28	128	-5	0.072
10821		1.5 TR94-3	same as 10815	974	1.9	14	69	6	210	-5	0.175
10822		1.5 TR94-3	same as 10815	1065	4.2	25	164	12	265	-5	0.198
10823		1.5 TR94-4	strongly sericitized and locally silicified and chloritized andesite, up to 5% diss py	528	2.7	44	28	17	128	5.2	0.039

1994 TREATY CREEK SAMPLES

EUREKA ZONE

Sample	Width	Location	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Hg (ppm)
10824	1.5	TR94-4	complete alteration to sericite, clays and silica, 3-10% diss, cubic py	621	5.9	17	505	152	189	18	0.677
10825	1.5	TR94-4	same as 10824	1665	4.3	15	27	11	219	43.4	0.274
10826	1.5	TR94-4	complete alteration to sericite, clays and silica, minor py and trace malachite	797	4.6	3	61	7	35	66.9	0.355
10827	1.5	TR94-4	same as 10826	1163	3.4	4	97	11	46	20	0.436
10828	1.5	TR94-4	same as 10826	1365	5.6	7	100	19	78	27.7	0.659
10829	1.5	TR94-5	strong silicification with 5-15% diss py	1885	5.9	33	66	4	187	10	0.309
10830	1.5	TR94-5	same as 10829	1562	1.5	58	79	6	240	-5	0.048
10831	1	TR94-5	same as 10829	514	0.5	65	56	66	115	-5	0.02
10832	1.5	TR94-6	complete alteration to sericite? and lesser silica, 10-15% fine diss py	375	0.6	4	37	4	70	-5	0.074
10833	1.5	TR94-6	complete alteration to sericite and silica, trace py and limonite	236	1.8	17	151	7	116	15	0.072
10834	1.5	TR94-6	rock soft, completely altered to sericite, clays and silica, boxwork after py	317	1.8	17	151	7	116	15	0.387
10835	1.5	TR94-6	same as 10834	585	4.1	21	224	14	85	29	1.124
10836	1.5	TR94-6	same as 10834	493	11.5	19	1162	35	59	44	3.729
10837	1.5	TR94-6	same as 10833	821	4.8	22	201	21	126	-5	0.428
10838	1.5	TR94-1	rock soft, completely altered to sericite, clays and silica, boxwork after py	459	20.8	119	352	29	85	102	5.997
10839	1.3	TR94-1	same as 10838	427	8.1	6	135	7	179	42	1.217
10840	1	TR94-1	very strong sericite, silica, and local chlorite alteration, 5-10% diss py	674	0.5	15	20	26	139	-5	0.087
10841	1.5	TR94-7	strong silica with lesser sericite alteration, 5-15% diss py	726	0.8	6	32	14	106	-5	0.176
10842	2.1	TR94-7	same as 10841	445	9.1	74	52	48	11	-5	0.044
10845	1.5	TR94-8	partially hydrothermally? brecciated, sericitized andesite with minor py and limonite	53	-0.2	246	65	350	22	-5	0.043
10846	1.5	TR94-8	same as 10845	70	-0.2	406	103	739	55	-5	0.047
10847	1.5	TR94-8	same as 10845	432	2.6	137	85	343	53	-5	0.033
10848	1.5	TR94-8	same as 10845	364	2.1	111	59	289	93	-5	0.032
10849	1.3	TR94-8	same as 10845	1377	10.7	56	63	121	183	-5	0.104
10850	1.8	TR94-8	hydrothermal? breccia of dominantly qz clasts with limonite & goethite mx	314	0.9	211	202	610	59	-5	0.057
10851	0.9	TR94-8	strongly silicified interval with 2-3% diss py and trace galena	115	1.6	88	1088	101	34	-5	0.014
10852	0.8	TR94-8	strong sericite, lesser silica alteration of andesite, minor py	299	0.9	61	34	100	50	-5	0.026
10853	2	TR94-9	soft, yellow sericite-clay-limonite altered rock	201	4.1	25	196	21	151	-5	0.194
10854	1.4	TR94-9	hydrothermal? breccia of qz clasts with clay and limonite mx	66	0.2	208	294	65	51	-5	0.098
10855	1.5	TR94-9	same as 10853	400	2.3	76	333	45	198	6	0.192
10856	1.7	TR94-9	same as 10853	290	2	127	150	82	115	-5	0.114
10857	1.3	TR94-9	strong chlotite-sericite alteration of andesite, minor diss py, limonitic	434	1.8	111	24	113	259	-5	0.061
10858	2.1	TR94-9	same as 10857	270	0.8	131	73	148	137	-5	0.047
10859	1.5	TR94-9	strongly chloritized andesite with 3-5% diss py	861	2.9	76	76	93	318	-5	0.137
10860	1.5	TR94-9	same as 10859	397	0.7	72	12	94	234	-5	0.029
10861	2	TR94-10	complete alteration to silica-sericite, 3-5% diss py	223	6	710	41	171	325	92	0.914
10862	2	TR94-10	same as 10861	683	3.9	326	144	340	336	48	0.334
10863	2	TR94-11	same as 10861	23	0.4	30	27	125	30	-5	0.058
10864	1.7	TR94-11	complete sericite-clay alteration with trace py & limonite	151	2.9	44	337	621	244	8	0.679
11719	50cm	15+50W 6+50N	Qz-Barite-Py vein/hydrothermal bx, oriented 110/90	73	0.4	14	12	72	1.9	1.9	-0.01
11729	grab	18+00W 5+50N	5-10cm Qz-Barite vein, 270/90, wall rx strong Chl-Py alt, vein barren	129	0.5	-1	572	14	31	-5	0.012
11730	40cm	18+00W 5+70N	fine (1-4mm) Qz v stringers at 300/90 in Chl-Py alteration	360	-0.2	7	19	78	140	-5	0.015
11731	50cm	17+55W 6+50N	strong Sil'n-Clay-Py alteration, up to 20% Py	384	1.2	-1	28	3	57	-5	0.024
11732	grab	17+70W 6+25N	massive Py vein, 5-10cm, oriented 155/90	5082	21.2	42	642	69	905	-5	0.065
11733	grab	17+70W 6+25N	fine (<1cm) Qz veins in Chl-Py wall rx. Oriented 054/45 to 250/70, perp to Py vein. Pos	235	1.1	59	819	63	23	-5	0.015
11734	grab	17+70W 6+75N	1-2cm Qx-Py v's oriented 234/79. Up to 40% Py in wall rx.	177	1.1	416	16	68	18	-5	0.015
11735	grab	17+80W 6+75N	Barren Qz v set oriented 125/70. 1-5cm. Wall rx Chl- Py altered	168	0.9	114	18	56	6	-5	0.013
11749	grab	17+75W 6+25N	2-3cm qz-py vein oriented 110/70 with qz-cly-py altered wall rx	737	13.5	51	642	32	132	7	0.368

GOAT TRAIL ZONE

Sample	Width	Location	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Hg (ppm)
10306	1.0 m chip	AK38-5	Semi-massive py vein, qz mx in grey [sil+py]	1189	6.6	51	1350	1077	359	34	1.005
10307	1.0 m chip	AK38-5	Grey sil with fgr dis py and <1 cm qz veinlets	344	2.2	7	268	537	127	18	0.504
10308	1.0 m chip	AK38-7	Pos of cgr semi-massive py with qz mx	1209	21.5	79	289	226	351	10	0.307
10311	1.0 m chip	AK39-1	Grey clay+py gouge bounded by [chl+py+cc]	1264	0.3	16	8	54	112	-5	0.054
10312	1.0 m chip	AK39-3	Grey, pyritic silicification, minor ser	603	0.7	49	5	33	110	-5	-3
10313	1.0 m chip	AK39-4	10 cm clay+py flt gouge in [ser+py+qz] wall rock	1940	5	32	317	1117	83	-5	-3
10314	1.0 m chip	AK39-7	Local [qz+ser+py] hosting qz bx work	1523	5.9	25	89	29	199	-5	0.092
10865	grab	goat trail	fragment of vuggy (boxwork?) qz vein, limonitic staining	2603	4.7	308	90	5	289	-5	0.13
10866	float	goat trail	same as 10865	2620	1.69oz/t	491	756	68	260	50	0.807
11803	1m	ak38-5	Qz-Ser-Py altered equigranular rock with 5-15% Qz-Py stockworking	1360	7.6	101	486	1600	411	13	-3
11804	1m	ak38-6	Qz-Chl-Ser-Py+/-Cb alteration. 5-10% Py in 0.5-1mm cubes	330	0.6	58	42	165	48	-5	-3
11805	1m	ak38-8	White weathering, equigranular, Qz-Ser-Py altered rock	63	-0.1	4	5	22	32	-5	-3
11806	grab	kp31-11	5-8cm massive Py-Qz vein. Aprox 90% .2-4mm bimodal Py, 10% interstitial Qz	1090	2.7	21	47	14	309	-5	-3

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GOAT TRAIL ZONE

Sample	Width	Location	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Hg (ppm)
11807	1m	kp31-15	approx 10m x 2m zone of increaced Ser-Py alt in white weathering, equigranular Qz-S	568	1.1	22	271	422	77	-5	-3
11808	1m	ak39-4	Massive white/grey weathering, equigranular Qz-Ser-Py altered rock	511	1	6	28	31	105	-5	-3
11809	1m	kp31-8	Strong Qz-Ser-Py alt, 15-30% Py in .5-1.5mm cubes	359	2.7	5	29	8	112	-5	-3
11810	1m	kp31-17	Strong Ser-Qz-Py alt above clay alt zone. 10% diss Py	771	9.7	101	347	12816	220	10	15
11811	1m	kp31-17	soft clay with 10% .2-.8mm Py and 10-20% angular silicic clasts	1000	2.6	72	17	455	459	-5	-3
11812	1m	kp32-4	Strong Qz-Clay_Py alt, 5-10% fine diss Py	189	1.5	10	9	48	35	-5	-3
11813	1m	kp32-4	Soft clay with 25-35% silicic fragments, sparse fine diss Py	285	2.8	12	13	21	77	-5	-3
11814	1m	kp32-5	Qz-Ser-Py alteration, 5-10% fine diss Py	120	1.4	11	40	60	2250	42	-3
11815	1m	kp32-5	50m x 15m zone of strong Qz-Ser/Clay-Py alteration in Chl-Ser-Py altered rock	970	1.7	3	131	50	112	11	-3
11959	1m	kp31-2	small qz-ser-py alteration zone in chloritic volc agglmerate	649	0.7	5	32	47	228	169	0.107
11960	50cm	kp31-5	10-30cm qz-py-ga-? vein with multiple black selvages and rare vuggy qz textures, 30-4	.587oz/t	24.9	488	5647	19265	19265	527	7.356
11961	grab	kp31-6	mass py in qz-ser-py alt zone	808	15.5	58	113	245	379	73	0.722
11962	1m	kp31-6	qz stockwork / mass py zone, qz v's domminantly 200/50, sample 40% py, 60% qz	4573	2.9oz/t	186	74	537	300	125	1.95
11963	1m	kp31-10	brecciated qz-py vein, hydrothermal bx?, vein 70cm, sample includes 30cm wallrock	3440	24.7	9	66	98	118	44	0.148
11964	1m	kp31-11	white weathering, equigranular qz+ser+py altered rock	194	-0.2	1	11	22	54	19	0.041
11965	1m	kp31-17	soft clay (or illite?) with 1-10% diss fresh py and 5-10% angular silicic clasts	1077	4.5	37	776	3146	308	33	2.692
11966	30cm	kp32-3	mass py in qz-ser-py alt, at possible fault zone at base of o/c, shear 218/53	1286	1.3	-1	103	148	222	23	0.12
11967	50cm	kp32-5 (base)	soft clay (or illite?) with 1-5% fresh diss py	904	1.7	21	48	259	475	33	0.115
11968	50cm	kp32-5 (top)	silica latticework, rock mass 50% void space, weathered, limonitic staining, probable	9201	46.7	5	296	45	76	29	0.541

Sample	Width	Location	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Hg (ppm)

KONKIN PIT ZONE

Sample	Width	Location	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Hg (ppm)
10309	1.0 m chip	Konkin pit	Qz box work in [chl] andesite hosting cgr py	3804	7	3840	27	122	132	6	0.084
10310	2.0 m chip	Konkin pit	Cgr py in [chl+cc] andesite and pods of grey sil+py	3.474oz/t	1.28oz/t	3145	26	123	191	-5	1.078

Sample	Width	Location	Description	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	As (ppm)	Sb (ppm)	Hg (ppm)

GR2 ZONE

10315	1.0 m chip	ak41-3	[chl/ser+py+qz] in sheared andesite bx	27	-0.2	76	12	280	59	15	0.644
10316	grab	GR2	[Fe-cb+py+ser] with qz sw	7	0.8	80	8	367	12	25	0.749
10317	grab	GR2	Jarosite stained [clay+qz]with zone of spec-hem+qz	228	30.7	170	33	55	1196	>2000	1.09
10318	grab	GR2	[clay+qz] bounding 10317	324	4.7	6	44	13	910	1675	1.581

APPENDIX III

WHOLE ROCK GEOCHEMISTRY RESULTS

WHOLE ROCK ANALYSIES

SAMPLE	UNIT	SiO2	TiO2	Al2O3	Fe2O3	Mno	MgO	CaO	Na2O	K2O	P2O5	LOI	BaO	Cr2O3	total
		wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%	wt%
11601	9ksp	58.96	0.79	16.73	8.82	<0.01	2.15	1.01	2.96	3.01	0.49	3.75	0.201	<0.01	98.87
11602	9fel	76.56	0.28	12.68	1.52	<0.01	0.67	0.01	3.13	3.8	0.12	0.81	0.26	0.03	99.87
11603	6mv	49.7	0.95	14.8	8.81	0.07	6.96	10.13	2.63	1.74	0.7	4.31	0.145	0.03	101
11604	9monz	61.22	0.5	17.28	4.37	0.13	2.09	2.15	4.36	3.59	0.23	3.76	0.211	<0.01	99.89
11605	9monz	54.89	0.56	17.81	5.53	0.23	2.02	3.92	4.12	2.8	0.38	5.51	0.213	<0.01	97.98
11651	9fel	70.16	1.19	10.11	9.55	<0.01	3.82	<0.01	1.64	0.62	0.17	3.44	0.033	<.01	100.7
11652	sil	99.01	0.59	0.1	0.48	<0.01	0.01	<0.01	0.06	<0.05	0.09	0.15	0.01	0.05	100.5
11653	5ht	55.91	1.35	15.85	11.72	0.02	3.01	1.28	3.46	1.24	0.51	3.68	0.07	0.01	98.11
11654	6mv	52.16	0.76	18.02	7.8	0.13	4.78	2.04	5.16	2.97	0.72	4.14	0.06	0.02	98.76

APPENDIX IV

DRILL HOLE LOGS

HOMESTAKE CANADA **DIAMOND DRILL HOLE LOG** **TC94-1**

PROJECT: Treaty Creek DRILL HOLE: TC94-1 LENGTH: 79.57	Date Commenced: 20.08.94 Date Completed: 22.08.94 Core Diam: BQTK	Contractor: SILVERTON DRILLING	Logged by: K.P. Geotech by: D.B

Collar Location	
Latitude: 6272059.00 Departure: 429803.00 Elevation: 1354.00	

S U M M A R Y

0.00-4.87	OVERBURDEN
4.87-7.80	andesite lithic fragmental
7.80-13.26	andesite lithic fragmental
13.26-16.25	andesite lithic fragmental
16.25-21.00	andesite lithic fragmental
21.00-22.50	andesite lithic fragmental
22.50-28.96	massive andesite
28.96-32.10	massive andesite
32.10-39.00	andesite lithic fragmental
39.00-44.20	andesite lithic fragmental
44.20-47.25	massive andesite
47.25-54.80	massive andesite
54.80-56.80	andesite lithic fragmental
56.80-57.80	massive andesite
57.80-67.50	andesite lithic fragmental
67.50-75.50	andesite lithic fragmental
75.50-79.57	andesite lapilli tuff

DOWN HOLE SURVEYS

Depth	Azim	Inclin	Method
0.00	315.00	-55.00	BRUNTON

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
0.00	4.87	OVERBURDEN											
4.87	7.80	andesite lithic fragmental Medium-coarse grained, gray, fragmental, foliated cleavage, foliation 90° Frs=100/m :Vns =0.5/m 5 % silica alteration - boxwork after pyrite 50% sericite alteration - pervasive 10% kaolinite alteration - patches 5 % pyrite - disseminated Rare angular to subangular clasts. Core is strongly oxidized.	46001 46002	4.87-6.00 6.00-6.90	1.13 0.90	421 726	2.8 5.6	32 136	6 24	9 9	49 124	1.5 1.5	19 43
7.80	13.26	andesite lithic fragmental Medium-coarse grained, gray, massive, oxidized pyrite vein 50° Frs=100/m :Vns =1/m 5 % silica alteration - pervasive 20% sericite alteration - pervasive 50% kaolinite alteration - pervasive 5 % pyrite - disseminated 5% euhedral to broken plagioclase xls, 0.5-1 mm, 5-10% lithic fragments 1-4 mm long and rare 1 cm clasts. At 12.5 m, 3 mm py vein 50 C.A.	46003 46004 46005 46006	6.90-8.40 8.40-9.70 9.70-10.70 10.70-12.20	1.50 1.30 1.00 1.50	503 435 452 1000	8.3 5.2 4.8 3.9	804 144 143 106	7 9 10 3	9 7 7 8	343 269 233 156	1.5 1.5 1.5 1.5	43 19 16 11
13.26	16.25	andesite lithic fragmental Fine-coarse grained, grayish-green, massive, oxidized Frs=100/m 5 % silica alteration - pervasive 20% sericite alteration - pervasive 20% kaolinite alteration - patches 5 % pyrite - disseminated 5-10% angular to sub-angular clats 1-8 mm in size in ash matrix. clay in core is the result of supergene weathering.	46007 46008	12.20-13.70 13.70-15.20	1.50 1.50	760 551	3.7 6.6	232 347	1 6	9 15	184 180	1.5 1.5	12 26
16.25	21.00	andesite lithic fragmental Fine-medium grained, gray, massive, oxidized Frs=5/m 10% silica alteration - pervasive 30% sericite alteration - pervasive 10% kaolinite alteration - patches 5 % pyrite - disseminated 10-15% 1-2 mm lithic fragments in ash matrix with 5%	46009 46010 46011	15.20-16.70 16.70-18.20 18.20-19.70	1.50 1.50 1.50	582 645 638	2.5 3.2 5.6	169 399 107	5 4 1	26 13 15	216 231 163	1.5 1.5 1.5	25 12 10

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		subhedral plagioclase xls up to 1 mm. Local qz boxwork is developed after py.											
21.00	22.50	andesite lithic fragmental Dark gray, massive, veined qz veining Frs=5/m :Vns =10/m 45% silica alteration - pervasive 15% sericite alteration - pervasive 5 % pyrite - disseminated 10 % qz veining - macroveins 1-3% faint subhedral plagioclase crystals up to 1 mm. Abundant <1 mm quartz veinlets.	46012	19.70-21.20	1.50	447	3.3	82	4	19	150	1.5	6
22.50	28.96	massive andesite Grayish-green, massive, Brecciated Frs=30/m 20% silica alteration - pervasive 30% sericite alteration - pervasive 10% kaolinite alteration - patches 10 % pyrite - disseminated Strongly limonitic 15-25% 1-5 mm plagioclase phenocrysts	46013 46014 46015 46016 46017	21.20-22.70 22.70-24.20 24.20-25.70 25.70-27.20 27.20-28.70	1.50 1.50 1.50 1.50 1.50	651 768 346 414 275	2.3 2.3 2.2 2.9 2.0	360 170 211 304 562	17 2 1 1 2	13 21 15 20 20	118 130 137 132 115	1.5 1.5 1.5 1.5 1.5	6 5 3 3 9
28.96	32.10	massive andesite Grayish-green, Brecciated, oxidized Frs=40/m 20% silica alteration - pervasive 30% sericite alteration - pervasive 10% kaolinite alteration - patches 10 % pyrite - disseminated 15-25% 1-5 mm subhedral, lath shaped plagioclase phenocrysts. At end of interval in situ breccia developed with clasts of qz+ser+py altered wall rock cemented by limonite and clay.	46018 46019	28.70-30.20 30.20-31.70	1.50 1.50	660 1000	4.7 4.1	2246 256	15 7	30 47	314 359	1.5 1.5	25 8
<32.01-31.10>		massive andesite Gray, Brecciated, oxidized Frs=100/m 10% silica alteration - clasts 20% sericite alteration - clasts 60% kaolinite alteration - matrix 10 % pyrite - disseminated 20-25% angular qz+ser+py altered clasts in martix of clay. Matrix is limonite stained.											

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
32.10	39.00	andesite lithic fragmental	46020	31.70-33.20	1.50	609	9.2	537	3	17	129	1.5	24
		Gray, massive, oxidized	46021	33.20-34.70	1.50	1007	7.4	372	19	39	186	1.5	7
		pyrite vein 35°	46022	34.70-36.20	1.50	327	3.4	249	1	31	92	1.5	7
		Frs=50/m :Vns =0.5/m	46023	36.20-37.70	1.50	523	2.3	364	1	33	63	1.5	9
		10% silica alteration - pervasive											
		60% sericite alteration - pervasive											
		8 % pyrophyllite - blebs											
		10 % pyrite - disseminated											
		1-2 mm green clasts and 1 mm plagioclase crystals.											
		Pyrite forms euhedral cubes (>1mm) which occur as blebs											
		and <1 mm anhedral crystals disseminated through the core.											
		At 34.2 m, 3 mm pyrite vein 35 C.A.											
39.00	44.20	andesite lithic fragmental	46024	37.70-39.20	1.50	396	2.2	271	1	15	51	1.5	9
		Fine-coarse grained, grayish-green, massive, mottled	46025	39.20-40.70	1.50	1100	2.4	328	1	3	40	1.5	7
		Frs=100/m	46026	40.70-42.20	1.50	660	5.2	302	5	14	87	1.5	8
		10% silica alteration - pervasive	46027	42.20-43.70	1.50	415	2.0	182	1	8	88	1.5	5
		60% sericite alteration - pervasive											
		10% pyrophyllite - blebs											
		5 % pyrite - disseminated											
		1-8 mm blebs of pale green pyrophyllite observed at the											
		end of the interval (may be relict clasts). Local											
		development of qz boxwork after py.											
44.20	47.25	massive andesite	46028	43.70-45.20	1.50	794	3.7	131	3	17	279	1.5	16
		Gray, massive, oxidized	46029	45.20-47.25	2.05	1670	6.2	139	1	9	375	1.5	7
		qz veining 90°											
		Frs=50/m :Vns =1/m											
		15% silica alteration - pervasive											
		20% sericite alteration - pervasive											
		20% kaolinite alteration - patches											
		10 % pyrite - disseminated											
		5 % qz veining - macroveins											
		Limonitic staining of core localized along fractures.											
		0.5-1 cm white qz veins 90 C.A.											
47.25	54.80	massive andesite	46030	47.25-48.25	1.00	2510	10.5	336	10	34	673	6.0	9
		Fine grained, gray, massive, oxidized	46031	48.25-49.25	1.00	2000	5.9	138	8	32	493	1.5	3
		Frs=30/m	46032	49.25-50.30	1.05	870	2.1	193	2	10	252	1.5	13
		15% silica alteration - boxwork after pyrite	46033	50.30-53.35	3.05	460	2.3	78	1	18	199	1.5	7
		20% sericite alteration - pervasive	46034	53.35-53.80	0.45	771	58.8	605	927	734	214	1.5	66
		20% kaolinite alteration - pervasive	46035	53.80-54.80	1.00	1150	10.0	601	14	21	178	1.5	17
		10 % pyrite - disseminated											
		5 % qz veining - macroveins											
		Strongly limonitic core, common qz boxwork after py											

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
<47.90-48.10>		andesite lithic fragmental 60 % pyrite - massive Semi-massive py vein, 1-2 mm euhedral py in qz mx.											
54.80	56.80	andesite lithic fragmental Aphanitic, gray, massive, mottled pyrite vein Frs=10/m :Vns =2/m 25% silica alteration - pervasive 30% kaolinite alteration - pervasive 20 % pyrite - disseminated Minor 1 mm py veinlets. Py is bimodal with vfgr diss py and 0.5-1 mm euhedral py cubes disseminated and in 2-4 mm blebs.	46036 46037	54.80-55.80 55.80-56.50	1.00 0.70	1280 1810	3.2 3.7	184 128	10 1	40 35	463 476	1.5 1.5	5 6
<54.80-56.80>		andesite lithic fragmental 30 % pyrite - blebs											
56.80	57.80	massive andesite Aphanitic, pale gray, mottled pyrite vein Frs=3/m :Vns =2/m 50% silica alteration - pervasive 30 % pyrite - disseminated <1 cm white qz veins with hematitic selvages. Pyrite disseminated and as 2-4 mm blebs.	46038	56.50-57.15	0.65	1050	4.9	105	12	21	139	1.5	7
57.80	67.50	andesite lithic fragmental Medium-coarse grained, gray, massive, crystalline pyrite vein Frs=100/m :Vns =1/m 15% silica alteration - pervasive 10% sericite alteration - pervasive 10% kaolinite alteration - pervasive 2 % pyrophyllite - blebs 10 % pyrite - disseminated 5 % qz veining - macroveins Fgr disseminated py and 1-3 mm py veinlets. Rare pale green pyrophyllite as 1-2 mm blebs.	46039 46040 46041 46042 46043 46044 46045	57.15-58.70 58.70-60.20 60.20-61.70 61.70-63.20 63.20-64.70 64.70-66.20 66.20-67.50	1.55 1.50 1.50 1.50 1.50 1.50 1.30	1020 819 550 610 1420 701 260	12.5 4.7 8.0 3.3 7.7 8.8 2.8	87 172 371 1100 797 1306 459	26 23 19 4 9 179 21	199 59 8 8 12 156 37	276 151 51 416 186 264 125	1.5 1.5 1.5 1.5 1.5 1.5 1.5	67 18 57 16 53 48 3
<62.05-67.50>		andesite lithic fragmental Medium-coarse grained, grayish-yellow, Brecciated, oxidized Frs=100/m 10% silica alteration - clasts 20% sericite alteration - clasts 20% kaolinite alteration - matrix											

12/08/94

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		20 % pyrite - disseminated Angular fragments of altered wall rock in jarosite+clay mx. Clasts vary from 0.5-2 cm and form an in-situ breccia.											
67.50	75.50	andesite lithic fragmental	46046	67.50-68.59	1.09	214	2.0	69	2	37	150	1.5	3
		Medium-coarse grained, grayish-green, clastic, oxidized	46047	68.59-69.59	1.00	634	5.7	95	7	59	235	1.5	3
		cleavage, foliation 60°	46048	69.59-70.60	1.01	1280	8.5	24	1	30	159	1.5	3
		Frs=100/m	46049	70.60-72.10	1.50	1130	6.0	21	1	60	209	1.5	3
		15% silica alteration - pervasive	46050	72.10-73.60	1.50	1200	9.8	61	1	20	226	1.5	3
		20% sericite alteration - pervasive											
		20% kaolinite alteration - pervasive											
		10 % pyrite - disseminated											
		2-6 mm subrounded fel-phyric fragments with 1-2% disseminated hematite in matrix of 5-10%, 1 mm plagioclase crystals.											
75.50	79.57	andesite lapilli tuff	46051	73.60-75.60	2.00	524	5.2	88	1	36	62	1.5	3
		Green, crystalline, massive	46052	75.60-77.10	1.50	529	2.9	108	62	123	181	1.5	3
		fracturing 50°	46053	77.10-78.10	1.00	595	4.4	112	77	107	169	1.5	3
		Frs=10/m	46054	78.10-79.57	1.47	452	3.0	84	82	138	167	1.5	3
		50% chlorite alteration - pervasive											
		10% sericite alteration - patches											
		5 % pyrite - disseminated											
		Plagioclase phyric lapilli in matrix of 1-2 mm plagioclase crystals and chloritized ash.											
(eoh)													

12/08/94

Hole: TC94-1 GEOTECHNICAL DATA Page: 1

From	TO	Measured Width	Recovery	RQD	Hardness
4.87	6.40	1.53	11	0	0-2
6.40	7.62	1.22	100	0	0-2
7.62	10.70	3.08	39	0	0-2
10.70	13.75	3.05	87	21	2
13.75	16.76	3.01	79	0	2-3
16.76	19.81	3.05	112	29	2
19.81	22.86	3.05	89	0	2-4
22.86	25.91	3.05	102	9	2
25.91	28.36	2.45	138	0	2
28.36	32.01	3.65	68	33	2
32.01	35.06	3.05	72	8	0-2
35.06	38.10	3.04	50	5	2
38.10	41.15	3.05	75	9	2
41.15	44.20	3.05	62	0	0-2
44.20	47.25	3.05	53	3	2
47.25	50.30	3.05	53	0	2
50.30	53.35	3.05	8	0	5
53.35	56.40	3.05	100	4	2-3
56.40	59.46	3.06	103	0	2
59.46	62.50	3.04	118	0	2-3
62.50	65.54	3.04	46	0	0-2
65.54	68.59	3.05	52	0	0-2
68.59	71.64	3.05	120	23	2
71.64	74.69	3.05	104	0	0-2
74.69	77.74	3.05	70	0	0-2
77.74	79.57	1.83	91	0	2

HOMESTAKE CANADA **DIAMOND DRILL HOLE LOG** **TC94-2**

PROJECT: Treaty Creek DRILL HOLE: TC94-2 LENGTH: 141.82	Date Commenced: 23.08.94 Date Completed: 26.08.94 Core Diam: BQTK	Contractor: SILVERTON DRILLING	Logged by: A.K. Geotech by: D.B.

Collar Location	
Latitude: 6272120.00 Departure: 429864.00 Elevation: 1340.00	

S U M M A R Y

0.00-0.40	OVERBURDEN
0.40-16.40	andesite lithic fragmental
16.40-30.20	andesite lithic fragmental
30.20-34.00	andesite lithic fragmental
34.00-42.90	andesite lithic fragmental ****
42.90-56.00	andesite lithic fragmental ***
56.00-57.50	massive andesite
57.50-61.00	andesite lithic fragmental
61.00-68.60	andesite lithic fragmental
68.60-74.80	massive andesite
74.80-78.35	andesite lithic fragmental
78.35-84.14	massive andesite
84.14-96.00	andesite lithic fragmental
96.00-100.20	andesite lithic fragmental
100.20-112.50	andesite lithic fragmental
112.50-126.80	andesite lithic fragmental
126.80-133.50	andesite lithic fragmental
133.50-141.82	massive andesite

DOWN HOLE SURVEYS

Depth	Azim	Inclin	Method
0.00	315.00	-55.00	BRUNTON
75.30	316.00	-54.00	SPERRY-SUN

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
0.00	0.40	OVERBURDEN	46054	0.00-0.00	0.00	452	3.0	84	82	138	167	1.5	3
0.40	16.40	andesite lithic fragmental	46055	0.40-2.00	1.60	126	0.1	51	108	92	120	1.5	3
		Medium-coarse grained, dark green, fragmental, oxidized	46056	2.00-3.50	1.50	441	0.4	53	58	65	199	1.5	3
		qz veining 70°:qz veining 50°	46057	3.50-5.00	1.50	96	0.1	17	54	71	53	1.5	3
		Frs=50/m :Vns =.5/m	46058	5.00-6.50	1.50	385	2.0	154	89	136	153	1.5	3
		5 % silica alteration - pervasive	46059	6.50-8.00	1.50	291	4.8	612	204	234	172	1.5	3
		30% chlorite alteration - pervasive	46060	8.00-9.50	1.50	576	3.4	49	55	206	144	1.5	3
		10% sericite alteration - replacing feldspar phenocrysts	46061	9.50-11.00	1.50	128	1.5	140	86	94	90	1.5	3
		10 % pyrite - disseminated	46062	11.00-12.50	1.50	336	1.9	62	61	105	102	1.5	3
		2 % qz veining - macroveins	46063	12.50-14.00	1.50	204	2.1	203	40	112	117	1.5	3
		2 % carbonate veining - macroveins	46064	14.00-15.50	1.50	483	2.7	95	53	193	103	1.5	3
		15% angular <1 cm lithic fragments and 20% 1-2 mm plagioclase xls in matrix of chloritized ash.											
		Pyrite occurs as fgr anhedral xls in 1-4 mm blebs and disseminatied through core.											
		Limonitic staining on fracture surfaces.											
	<7.80-8.30>	andesite lithic fragmental											
		Aphanitic, grayish-red, massive											
		Frs=100/m											
		70% silica alteration - pervasive											
		10% sericite alteration - envelopes											
		3 % hematite - disseminated											
		10 % pyrite - disseminated											
		Grey to hematitic silicification with 10% disseminated, anhedral, fine-grained pyrite.											
		Silicification is bounded by sheared, sericite+pyrite envelopes.											
	<9.40-10.20>	andesite lithic fragmental											
		Medium-coarse grained, pale gray, fragmental, mottled											
		Frs=100/m											
		5 % silica alteration - disseminated											
		5 % chlorite alteration - patches											
		50% sericite alteration - pervasive											
		10 % pyrite - disseminated											
		Pyrite forms <5 mm blebs of 1 mm sub-euhedral xls and occurs as <0.5 mm xls disseminated through the core.											
		<1 cm angular, elongate fragments.											
16.40	30.20	andesite lithic fragmental	46065	15.50-17.00	1.50	546	8.9	277	45	116	162	1.5	6
		Medium-coarse grained, pale gray, fragmental, oxidized	46066	17.00-18.50	1.50	371	3.8	84	31	94	148	1.5	3
		contact 90°:cleavage, foliation 60°	46067	18.50-20.00	1.50	161	6.8	142	10	73	117	1.5	12

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		Frs=100/m	46068	20.00-21.50	1.50	209	4.3	184	41	90	161	1.5	3
		10% silica alteration - disseminated	46069	21.50-23.00	1.50	318	9.9	653	21	60	238	1.5	19
		50% sericite alteration - pervasive	46070	23.00-24.80	1.80	226	7.7	323	18	76	236	1.5	13
		2 % hematite - patches	46071	24.80-26.53	1.73	286	3.8	133	28	69	115	1.5	3
		15 % pyrite - disseminated	46072	26.53-28.03	1.50	495	24.5	214	7	25	158	1.5	7
		10% <1 cm sub-rounnded lithic fragments with 1-2% disseminated hematite. 30% 1-3 mm lath shapped plagioclase xls.	46073	28.03-29.58	1.55	1480	10.6	331	12	31	139	1.5	7
		Pyrite is bimodal consisting of 5% vfgr disseminated and 10% 1 mm subhedral xls which is disseminated and forms 1-4 mm blebs.											
		Abundant limonite on fractures.											
	<19.60-20.00>	andesite lithic fragmental											
		Medium-coarse grained, grayish-yellow, oxidized											
		Frs=100/m											
		5 % silica alteration - disseminated											
		30% sericite alteration - pervasive											
		20% kaolinite alteration - patches											
		5 % pyrophyllite - blebs											
		5 % pyrite - disseminated											
		10-20% sub-angular 1 cm plagioclase-phyric fragments in mx of 20-30% 1-2 mm plagioclase xls.											
		Pyrophyllite forms pale green blebs (possible clasts).											
		Core is strongly oxidized with py leached out forming boxwork texture.											
30.20	34.00	andesite lithic fragmental	46074	29.58-31.58	2.00	283	5.1	219	9	49	160	1.5	3
		Medium-coarse grained, pale gray, Brecciated	46075	31.58-33.58	2.00	481	18.9	1172	30	319	280	1.5	24
		Frs=70/m											
		5 % silica alteration - disseminated											
		20% sericite alteration - clasts											
		50% kaolinite alteration - matrix											
		15 % pyrite - disseminated											
		Breccia comprises 30% qz+ser+py altered fragments in matric of clay and lesser limonite. Fragments in-situ, angular 0.3-4 cm in size. Pyrite is disseminated, subhedral and <1 mm.											
34.00	42.90	andesite lithic fragmental	46076	33.58-35.69	2.11	476	9.4	830	22	62	239	1.5	17
		Fine-medium grained, gray, massive, oxidized	46077	35.69-37.00	1.31	624	2.7	124	2	32	162	1.5	16
		qz veining 45°	46078	37.00-38.50	1.50	835	11.1	1106	51	211	235	1.5	25
		Frs=10/m	46079	38.50-40.00	1.50	995	2.3	59	4	29	363	1.5	3
		20% silica alteration - pervasive	46080	40.00-41.50	1.50	1155	4.5	121	1	24	294	1.5	3
		10% sericite alteration - patches	46081	41.50-42.90	1.40	530	4.5	88	3	24	53	1.5	7
		30% kaolinite alteration - pervasive											
		2 % hematite - disseminated											

FROM TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
	.5% alunite - present 15 % pyrite - disseminated 2 % qz veining - macroveins 20% <1 mm plagioclase xls Pyrite occurs as vfgr disseminated and 1 mm euhedral grains as disseminations and blebs 1-4 mm in size. Pyrite increases from 10% to 20% of core by the end of the interval. Qz stockwork veining begins at 37.7 m continues to end of interval. Veins are composed of white qz which is massive of forms crustiform qz with py in the intersticies. Veins are up to 2 cm wide. Fgr disseminated hematite begins at 37.1 m and increases to 2-3% by end of interval. Alunite at 40.8 m.											
<36.00-37.00>	andesite lithic fragmental Fine-coarse grained, yellowish-gray, oxidized, Brecciated Frs=10/m 10% silica alteration - clasts 30% sericite alteration - clasts 50% kaolinite alteration - matrix 15 % pyrite - disseminated In-situ breccia consisting of 0.3-4 cm angular fragments of qz-ser-py altered wall rock in matrix of limonite and lesser clay.											
<37.00-37.10>	andesite lithic fragmental 50 % pyrite - massive 10 cm vein of semi-massive py in white clay+qz matrix. Py is cgr (2-3 mm) and commonly forms blebs 5 mm across.											
<40.60-40.70>	andesite lithic fragmental 50 % pyrite - massive Vein of semi-massive cgr py in matric of pale green clay+qz											
<41.20-41.40>	andesite lithic fragmental 35 % pyrite - massive semi-massive py vein with matrix of pale green clay+qz. Py is cgr and comprises 30-40% of th vein.											
<41.40-42.90>	andesite lithic fragmental 10 % pyrite - disseminated White silicification and qz veining with zones of qz											

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		boxwork after py. Includes relict qz+ser+py alteration pods and 10 cm semi-massive py vein. Qz veins are 1 cm wide and 45 C.A.											
42.90	56.00	andesite lithic fragmental	46082	42.90-44.50	1.60	1080	3.7	71	4	34	469	1.5	3
		Medium-coarse grained, gray, fragmental, massive	46083	44.50-46.00	1.50	1605	4.0	40	2	22	378	1.5	3
		qz veining 45°	46084	46.00-47.50	1.50	764	2.7	52	3	21	258	1.5	3
		Frs=70/m	46085	47.50-49.00	1.50	634	2.5	59	4	23	111	1.5	8
		60% silica alteration - pervasive	46086	49.00-50.50	1.50	293	3.7	114	12	51	158	1.5	3
		20 % pyrite - disseminated	46087	50.50-52.00	1.50	347	5.8	69	27	204	322	1.5	9
		3 % qz veining - microveins	46088	52.00-53.00	1.00	155	1.0	65	2	27	309	1.5	3
		10% angular lithic fragments up to 1 cm in a matrix of 20%	46089	53.00-54.50	1.50	187	1.0	85	2	27	455	1.5	3
		1-2 mm lath shapped plagioclase xls.	46090	54.50-56.00	1.50	424	4.5	90	32	235	344	1.5	12
		Pyrite is bimodal occuring as 1-2 mm euhedral xls and <0.5 mm anhedral xls disseminated through the core.											
		<2 mm qz veinlets throughout interval 45 C.A.											
	<46.25-46.30>	andesite lithic fragmental											
		50 % pyrite - massive											
		Semi-massive py vein with clay+qz matrix. Pyrite is cgr and subhedral.											
	<49.15-49.30>	andesite lithic fragmental											
		20 % pyrite - disseminated											
		White silicification with 10% clay, 70% qz and 20% disseminated frg subhedral py.											
	<52.50-52.70>	andesite lithic fragmental											
		20 % pyrite - disseminated											
		White silicification with 10% kaolinite, 70% qz and 20% disseminated fgr pyrite.											
56.00	57.50	massive andesite											
		Medium-coarse grained, pale gray, mottled, oxidized											
		Frs=50/m											
		10% silica alteration - disseminated											
		40% kaolinite alteration - pervasive											
		20 % pyrite - blebs											
		Pyrite is bimodal forming blebs of cgr euhedral py and disseminated <1 mm xls.											
		From 56.35-56.6 zone of in-situ brecciation with jarosite lined oped cavities.											
		End of interval comprises 60% massive py in matrix of clay+qz.											
57.50	61.00	andesite lithic fragmental	46091	56.00-58.00	2.00	1045	8.2	276	42	59	567	1.5	3
		Fine grained, dark gray, massive, crystalline	46092	58.00-59.50	1.50	242	3.3	156	3	31	199	1.5	3

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		pyrite vein 45° Frs=100/m 50% silica alteration - disseminated 15% sericite alteration - disseminated 3 % hematite - disseminated 15 % pyrite - disseminated Pyrite is bimodal with vfg subhedral disseminated py and 1 mm euhedral pyrite disseminated and in blebs. 57.8-58 m < 1 cm cgr pyrite veins 45 C.A. 58.1-58.7 m zone of grey silicification with disseminated hematite and increase in pyrite to 20%.	46093	59.50-61.00	1.50	265	1.7	110	6	49	182	1.5	3
61.00	68.60	andesite lithic fragmental Medium-coarse grained, pale gray, massive, mottled Frs=40/m 15% silica alteration - pervasive 30% kaolinite alteration - pervasive 2 % hematite - patches 15 % pyrite - disseminated 15-20% 1-2 mm plagioclase laths - possible plagioclase-phyric clasts <1 cm. Pyrite is fgr, commonly disseminated and forming 1-3 mm blebs. Sporadic disseminated hematite preferentially occuring in fragments.	46094 46095 46096 46097	61.00-62.50 62.50-64.00 64.00-65.50 65.50-67.00	1.50 1.50 1.50 1.50	447 476 371 1640	5.0 3.7 4.0 15.8	138 206 66 123	1 1 1 1	34 47 119 75	132 235 205 365	1.5 1.5 1.5 1.5	3 3 3 3
		<62.10-63.60> andesite lithic fragmental Medium-coarse grained, yellowish-gray, Brecciated, oxidized Frs=10/m 0.1-3 cm angular clasts of altered wall rock within a mx of jarosite/limonite.											
68.60	74.80	massive andesite Medium-coarse grained, dark green, massive, oxidized Frs=70/m 5 % silica alteration - disseminated 40% chlorite alteration - pervasive 5 % sericite alteration - replacing feldspar phenocrysts 12 % pyrite - disseminated 10-15% lath-shapped plagioclase xls in chloritized matrix. Abundant limonitic coated fractures. Pyrite is cgr euhedral cubes (3 mm) and fgr disseminated xls.	46098 46099 46100 46101 46102	67.00-69.00 69.00-70.20 70.20-71.40 71.40-72.60 72.60-74.00	2.00 1.20 1.20 1.20 1.40	418 192 1800 729 453	2.6 1.1 17.2 5.5 3.0	291 167 121 43 60	1 68 1 45 36	56 90 172 109 57	302 128 280 133 186	1.5 1.5 1.5 1.5 1.5	3 3 3 3 3
		<69.00-70.72> massive andesite Fine-medium grained, grayish-gray, mottled Frs=75/m 15% silica alteration - pervasive											

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		20% sericite alteration - pervasive 20% kaolinite alteration - pervasive 20 % pyrite - blebs											
74.80	78.35	andesite lithic fragmental Fine-medium grained, grayish-green, mottled, oxidized Frs=60/m 5 % silica alteration - disseminated 5 % chlorite alteration - disseminated 40% sericite alteration - pervasive 1 % hematite - disseminated 10 % pyrite - disseminated 20% 1-2 mm lath shapped plagioclase xls, possible <1 cm lithic fragments forming mottled tx. Pyrite disseminated and forms 2-4 mm blebs.	46103 46104	74.00-75.50 75.50-77.00	1.50 1.50	451 673	2.7 4.4	138 91	17 5	59 44	260 179	1.5 1.5	3 3
<77.70	-78.35>	andesite lithic fragmental Green, massive Frs=30/m 5 % silica alteration - disseminated 30% chlorite alteration - pervasive 5 % sericite alteration - replacing feldspar phenocrysts 10 % pyrite - disseminated											
78.35	84.14	massive andesite Grayish-green, crystalline, oxidized qz veining 45°:qz veining 90° Frs=50/m 15% silica alteration - pervasive 5 % chlorite alteration - disseminated 30% sericite alteration - pervasive 2 % hematite - patches 12 % pyrite - disseminated 2 % qz veining - macroveins Massive matrix with 20% 1-2 mm plagioclase laths. Pyrite is fgr disseminated and form 1-4 mm blebs. Hematite present in more sericitic intervals. 82.7-83.1 m white cgr qtz veins, 50-90 C.A.	46105 46106 46107 46108	77.00-78.50 78.50-80.00 80.00-81.50 81.50-83.00	1.50 1.50 1.50 1.50	547 537 553 511	2.5 1.8 3.2 2.4	60 37 23 21	18 4 9 20	59 28 35 45	372 230 319 267	1.5 1.5 1.5 1.5	3 3 3 3
84.14	96.00	andesite lithic fragmental Dark green, fragmental Frs=100/m 5 % silica alteration - disseminated 40% chlorite alteration - pervasive 10% sericite alteration - disseminated 5 % pyrite - disseminated	46109 46110 46111 46112 46113 46114 46115	83.00-84.50 84.50-86.00 86.00-87.50 87.50-89.00 89.00-90.50 90.50-92.00 92.00-93.50	1.50 1.50 1.50 1.50 1.50 1.50 1.50	214 153 154 146 166 145 212	0.9 0.7 1.0 1.1 0.6 1.9 2.3	16 84 76 9 7 11 8	15 56 43 69 63 40 43	38 122 76 165 80 91 91	295 243 368 142 134 246 196	1.5 1.5 1.5 1.5 1.5 1.5 1.5	3 3 3 3 3 3 3

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		5% 1-4 mm plagioclase-phyric fragments and 20% 1-2 mm sericitic altered plagioclase xls in matrix. Abundant limonite coated fracture planes.	46116	93.50-95.00	1.50	975	11.4	9	35	141	92	1.5	3
96.00	100.20	andesite lithic fragmental	46117	95.00-96.50	1.50	542	7.5	15	91	529	123	1.5	3
		Dark green, broken	46118	96.50-98.00	1.50	364	3.0	24	108	475	232	1.5	3
		Frs=100/m	46119	98.00-99.50	1.50	415	1.1	13	127	417	116	1.5	3
		60% chlorite alteration - pervasive											
		5 % sericite alteration - replacing feldspar phenocrysts											
		2 % pyrite - disseminated											
		Core is friable.											
100.20	112.50	andesite lithic fragmental	46120	99.50-101.00	1.50	413	3.0	32	67	151	158	1.5	3
		Medium-coarse grained, dark green, fragmental	46121	101.00-102.50	1.50	894	1.9	225	244	126	234	1.5	3
		qz veining 60°	46122	102.50-104.00	1.50	1975	0.8	28	68	153	46	1.5	3
		Frs=90/m	46123	104.00-105.50	1.50	447	0.7	28	57	376	29	1.5	3
		2 % silica alteration - disseminated	46124	105.50-107.00	1.50	109	0.1	28	73	220	28	1.5	3
		50% chlorite alteration - pervasive	46125	107.00-108.50	1.50	246	0.1	25	70	378	27	1.5	3
		15% sericite alteration - disseminated	46126	108.50-110.00	1.50	120	0.1	31	51	244	48	1.5	3
		2 % hematite - patches	46127	110.00-111.50	1.50	252	0.1	30	65	407	60	1.5	3
		10 % pyrite - disseminated											
		10-15% rounded lithic fragments (3-4) cm in matrix of 15% 1-3 mm plagioclase xls and chlorite altered ash. Core displays patch disseminated hematite.											
		At 102.5 m, 3 cm qz-chlorite vein with pyrite and blak sulphide 60 C.A.											
		Pyrite is cgr and euhedral (1-2 mm)											
		Interval hosts rare <1 cm white qz veins 60 C.A.											
112.50	126.80	andesite lithic fragmental	46128	111.50-113.00	1.50	955	0.1	32	67	422	61	1.5	3
		Medium-coarse grained, grayish-green, mottled	46129	113.00-114.50	1.50	400	0.5	43	45	287	70	1.5	3
		Frs=100/m	46130	114.50-116.00	1.50	168	0.5	86	44	116	48	1.5	3
		5 % silica alteration - blebs	46131	116.00-117.20	1.20	178	0.2	76	41	199	34	1.5	3
		5 % chlorite alteration - patches	46132	117.20-118.34	1.14	233	0.2	25	68	306	54	1.5	3
		40% sericite alteration - pervasive	46133	118.34-119.34	1.00	386	3.0	22	46	300	61	1.5	3
		2 % hematite - patches	46134	119.34-120.20	0.86	167	0.8	32	117	378	44	1.5	3
		15 % pyrite - blebs	46135	120.20-122.00	1.80	183	0.6	28	304	196	38	1.5	3
		10% elongate 3-4 cm lapilli amd 10% 1-2 mm plagioclase xls.	46136	122.00-123.50	1.50	187	0.5	22	342	57	66	1.5	3
			46137	123.50-125.00	1.50	350	4.0	226	615	78	72	1.5	6
		Core is mottled by presence of py blebs and blebs of milky white silicification.	46138	125.00-126.50	1.50	490	5.8	73	308	181	220	1.5	11
		<118.50-118.70> andesite lithic fragmental											
		Pale gray											
		10% sericite alteration - clasts											
		70% kaolinite alteration - matrix											
		15 % pyrite - disseminated											

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		Breccia comprising 15% <1 cm sericitic clasts in matrix of clay and disseminated py.											
126.80	133.50	andesite lithic fragmental	46139	126.50-128.00	1.50	596	0.7	1	205	45	41	1.5	3
		Medium-coarse grained, dark green, fragmental	46140	128.00-129.50	1.50	275	0.8	10	306	51	31	1.5	3
		Frs=100/m	46141	129.50-131.00	1.50	349	0.2	9	615	63	31	1.5	3
		2 % silica alteration - disseminated	46142	131.00-132.50	1.50	544	0.3	9	860	45	41	1.5	3
		40% chlorite alteration - pervasive											
		10% sericite alteration - replacing feldspar phenocrysts											
		10 % pyrite - disseminated											
		15% elongate lapilli 0.5-2 cm in matrix of 5% plagioclase xls and chloritized ash. Lapilli and plagioclase xls are preferentially sericitized.											
		Py occurs as cgr euhedral xls.											
133.50	141.82	massive andesite	46143	132.50-134.00	1.50	601	1.7	9	606	20	59	1.5	3
		Fine grained, grayish-green, massive	46144	134.00-135.50	1.50	181	1.0	25	257	39	51	1.5	3
		qz veining 45°	46145	135.50-137.00	1.50	243	0.9	10	361	314	24	1.5	3
		Frs=50/m	46146	137.00-138.50	1.50	184	0.5	16	101	47	28	1.5	3
		5 % silica alteration - disseminated	46147	138.50-140.00	1.50	195	1.0	26	38	69	18	1.5	3
		10% chlorite alteration - disseminated	46148	140.00-141.82	1.82	345	2.6	20	30	495	67	1.5	3
		45% sericite alteration - pervasive											
		15 % pyrite - blebs											
		Core is massive with no visible textures.											
		Pyrite id bimodal and occurs as vfgr disseminated py and blebs of cgr euhdral py.											
		<135.00-136.50> massive andesite											
		Fine grained, grayish-green, veined											
		qz veining 45°											
		Frs=50/m											
		5 % silica alteration - disseminated											
		10% chlorite alteration - disseminated											
		50% sericite alteration - pervasive											
		5 % pyrite - disseminated											
		10 % qz veining - macroveins											
		0.1-1 cm white qz massive and crustiform qz veins 45 C.A.											
		(eoh)											

Hole: TC94-2 GEOTECHNICAL DATA

From	TO	Measured Width	Recovery	RQD	Hardness
0.00	3.96	3.96	21	0	2
3.96	6.09	2.13	141	28	2
6.09	8.23	2.14	96	0	2
8.23	11.28	3.05	121	7	2
11.28	14.33	3.05	78	25	1
14.33	17.38	3.05	115	47	1
17.38	20.43	3.05	146	45	2
20.43	23.48	3.05	80	21	1
23.48	26.53	3.05	69	5	1
26.53	29.58	3.05	18	0	.5
29.58	35.68	6.10	27	0	.5
35.68	38.72	3.04	69	12	1
38.72	41.76	3.04	107	18	1
41.76	44.81	3.05	100	16	2
44.81	47.26	2.45	104	14	1
47.26	48.17	0.91	126	13	2
48.17	50.60	2.43	140	0	2
50.60	51.83	1.23	133	0	2
51.83	54.57	2.74	84	0	2
54.57	57.01	2.44	125	12	1
57.01	60.06	3.05	110	10	1
60.06	63.10	3.04	112	44	2
63.10	65.85	2.75	104	34	2
65.85	67.68	1.83	84	5	2
67.68	70.72	3.04	114	12	2
70.72	72.25	1.53	143	0	2
72.25	75.30	3.05	113	36	2
75.30	78.35	3.05	111	26	1
78.35	81.37	3.02	141	70	1
81.37	84.14	2.77	87	0	1
84.14	87.30	3.16	97	23	2
87.30	90.34	3.04	112	4	1
90.34	93.58	3.24	130	6	1
93.58	96.62	3.04	78	0	2
96.62	99.69	3.07	82	0	1
99.69	102.74	3.05	71	0	2
102.74	105.53	2.79	103	0	3
105.53	108.88	3.35	53	0	2
108.88	112.24	3.36	125	0	2
112.24	114.37	2.13	75	0	2
114.37	118.34	3.97	38	0	2
118.34	120.78	2.44	148	13	2
120.78	124.13	3.35	64	4	2
124.13	126.88	2.75	91	4	2
126.88	129.93	3.05	107	8	2
129.93	133.28	3.35	82	0	1
133.28	137.25	3.97	54	3	1
137.25	139.38	2.13	72	18	2
139.38	141.82	2.44	96	49	3

HOMESTAKE CANADA **DIAMOND DRILL HOLE LOG** **TC94-3**

PROJECT: Treaty Creek DRILL HOLE: TC94-3 LENGTH: 136.10	Date Commenced: 27.08.94 Date Completed: 31.08.94 Core Diam: BQTK	Contractor: SILVERTON DRILLING	Logged by: A.K. Geotech by: D.B.

Collar Location	
Latitude: 6272097.00 Departure: 429781.00 Elevation: 1325.00	

S U M M A R Y

0.00-3.50	OVERBURDEN
3.50-5.90	andesite lithic fragmental
5.90-14.34	andesite lithic fragmental
14.34-23.50	massive andesite
23.50-29.50	massive andesite
29.50-39.70	andesite lithic fragmental
39.70-45.80	massive andesite
45.80-51.00	andesite lapilli tuff
51.00-54.80	andesite lapilli tuff
54.80-63.80	andesite lapilli tuff
63.80-65.75	andesite lapilli tuff
65.75-72.50	massive andesite
72.50-80.00	andesite lithic fragmental
80.00-91.80	massive andesite
91.80-97.15	andesite lithic fragmental
97.15-111.00	andesite lapilli tuff
111.00-116.90	andesite lithic fragmental
116.90-124.40	andesite lithic fragmental
124.40-129.62	andesite lithic fragmental
129.62-136.10	massive andesite

DOWN HOLE SURVEYS

Depth	Azim	Inclin	Method
0.00	315.00	-60.00	BRUNTON
14.34	316.00	-60.00	SPERRY-SUN
75.30	316.00	-61.00	SPERRY-SUN

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
0.00	3.50	OVERBURDEN											
3.50	5.90	andesite lithic fragmental Fine grained, gray, massive, oxidized Frs=50/m 10% silica alteration - pervasive 50% sericite alteration - pervasive 10 % pyrite - disseminated 5% 1-3 mm plagioclase xls Py is leached leaving boxwork after py At 3.75 m, 10 cm of grey silicification with 10% disseminated py.	46149	3.50-4.80	1.30	1020	7.5	496	122	15	101	1.5	8
5.90	14.34	andesite lithic fragmental Medium-coarse grained, dark green, fragmental, oxidized Frs=14/m 5 % silica alteration - disseminated 40% chlorite alteration - pervasive 12% sericite alteration - replacing feldspar phenocrysts 12 % pyrite - disseminated 25% 0.5-3 cm lithic fragments, 20% 1-2 mm plagioclase xls in matrix. Fragments are variably altered from strong sericitization to chloritization.	46150 46151 46152 46153 46154	4.80-6.10 6.10-7.50 7.50-9.00 9.00-12.30 12.30-14.20	1.30 1.40 1.50 3.30 1.90	735 448 417 1390 435	4.0 2.4 2.6 6.5 1.7	136 13 5 10 77	4 51 195 68 14	8 131 204 93 60	191 213 85 186 203	1.5 1.5 1.5 1.5 1.5	5 3 3 3 3
<13.00-14.34>		andesite lithic fragmental Medium-coarse grained, gray, fragmental Frs=10/m 5 % silica alteration - disseminated 50% sericite alteration - pervasive 15 % pyrite - disseminated Pyrite is bimodal with 10% fgr disseminated py and 5% cgr (2 mm) subhedral py.											
14.34	23.50	massive andesite Fine grained, grayish-green, massive qz veining 60° Frs=9/m 2 % silica alteration - disseminated 30% chlorite alteration - pervasive 30% sericite alteration - pervasive 10 % pyrite - disseminated 1 % qz veining - macroveins Chlorite increase in intensity at the end of the interval. 30% 1-4 mm lath shaped plagioclase xls in massive chloritic matrix	46155 46156 46157 46158 46159 46160	14.20-15.20 15.20-16.40 16.40-18.00 18.00-19.50 19.50-21.00 21.00-23.50	1.00 1.20 1.60 1.50 1.50 2.50	650 581 495 476 129 396	0.4 1.1 0.4 0.5 0.4 1.5	34 164 11 13 4 16	51 5 42 17 103 140	48 28 76 52 88 88	108 267 212 141 39 52	1.5 1.5 1.5 1.5 1.5 1.5	3 3 3 3 3 3

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		Pyrite occurs as <1 mm euhdral grains											
		At 15 m, 10 cm crustiform qz vein											
23.50	29.50	massive andesite	46161	23.50-25.00	1.50	211	1.3	44	17	64	110	1.5	3
		Fine grained, gray, oxidized	46162	25.00-26.50	1.50	589	2.1	53	43	112	63	1.5	3
		Frs=15/m	46163	26.50-28.00	1.50	669	2.9	215	20	94	164	1.5	3
		10% silica alteration - disseminated	46164	28.00-29.50	1.50	569	4.4	504	31	41	107	1.5	15
		50% sericite alteration - pervasive											
		12 % pyrite - disseminated											
		Pyrite occurs as fgr euhedral xls											
29.50	39.70	andesite lithic fragmental	46165	29.50-31.00	1.50	438	1.7	52	35	85	168	1.5	3
		Medium-coarse grained, dark green, fragmental, oxidized	46166	31.00-32.50	1.50	397	2.9	17	91	77	179	1.5	3
		Frs=14/m	46167	32.50-34.00	1.50	360	0.7	17	106	97	163	1.5	3
		3 % silica alteration - disseminated	46168	34.00-36.40	2.40	288	0.6	10	51	211	99	1.5	3
		40% chlorite alteration - pervasive	46169	36.40-38.40	2.00	467	1.7	1	116	243	156	1.5	3
		20% sericite alteration - patches											
		10 % pyrite - disseminated											
		5-10% 0.2-1 cm lithic fragments, subrounded in matrix with											
		10-15% plagioclase xls.											
		Fragments are more sericitic altered than the matrix											
		Pyrite fgr euhedral xls											
	<34.00-34.50>	andesite lithic fragmental											
		Fine grained, pale gray, massive, oxidized											
		qz veining 45°											
		Frs=8/m											
		10% silica alteration - disseminated											
		50% sericite alteration - pervasive											
		5 % pyrite - disseminated											
		1 % qz veining - macroveins											
		Zone of strongly limonitic core with an increase in											
		sericitization correlating with the abundance of fragments											
		and plagioclase xls.											
39.70	45.80	massive andesite	46170	38.40-40.20	1.80	450	2.7	50	22	104	202	1.5	3
		Fine grained, dark green, massive	46171	40.20-42.00	1.80	513	0.1	2	152	134	35	1.5	3
		Frs=14/m	46172	42.00-43.50	1.50	235	0.1	4	50	70	62	1.5	3
		5 % silica alteration - disseminated	46173	43.50-45.00	1.50	134	0.1	3	164	85	20	1.5	3
		50% chlorite alteration - pervasive											
		7 % sericite alteration - replacing feldspar phenocrysts											
		10 % pyrite - disseminated											
		40%, 0.5-2 mm plagioclase xls in chloritic matrix.											
		Pyrite occurs as <1 mm euhedral xls, locally up to 2 mm.											
45.80	51.00	andesite lapilli tuff	46174	45.00-46.50	1.50	358	0.7	8	45	92	85	1.5	3
		Fine-coarse grained, pale green, fragmental	46175	46.50-48.00	1.50	329	1.5	11	37	94	109	1.5	3

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		Frs=15/m	46176	48.00-49.50	1.50	173	0.2	21	93	118	96	1.5	3
		5 % silica alteration - disseminated	46177	49.50-51.00	1.50	192	1.3	38	89	167	146	1.5	3
		10% chlorite alteration - patches											
		40% sericite alteration - pervasive											
		10 % pyrite - disseminated											
		20% 0.5-2 cm plagioclase-phyric lapilli in matrix with 20%											
		0.5-2 mm sericitized plagioclase xls.											
		Pyrite is mgr (2 mm) and forms euhedral xls.											
		<49.50-49.80> andesite lapilli tuff											
		Fine grained, pale green, sheared											
		shear 45°											
		5 % silica alteration - disseminated											
		80% sericite alteration - pervasive											
		10 % pyrite - disseminated											
51.00	54.80	andesite lapilli tuff	46178	51.00-52.00	1.00	235	0.4	58	27	97	100	1.5	3
		Fine grained, yellowish-green, rubbly, oxidized	46179	52.00-54.00	2.00	180	0.1	1	34	51	22	1.5	3
		shear 90°											
		Frs=50/m											
		2 % silica alteration - disseminated											
		10% chlorite alteration - pervasive											
		60% sericite alteration - pervasive											
		10 % pyrite - disseminated											
		Friable core, strongly oxidized.											
54.80	63.80	andesite lapilli tuff	46180	54.00-55.50	1.50	163	0.3	3	25	38	35	1.5	3
		Medium-coarse grained, green, fragmental	46181	55.50-57.30	1.80	501	1.3	8	39	70	145	1.5	3
		Frs=40/m	46182	57.30-58.80	1.50	644	1.8	12	54	636	77	1.5	3
		5 % silica alteration - disseminated	46183	58.80-60.00	1.20	456	1.8	12	113	682	112	1.5	3
		10% chlorite alteration - patches	46184	60.00-61.00	1.00	388	1.5	14	50	241	168	1.5	3
		50% sericite alteration - pervasive	46185	61.00-62.50	1.50	1200	3.6	24	90	181	151	1.5	3
		15 % pyrite - disseminated											
		20% lapilli up to 3 cm, matrix comprises 15% <1 mm											
		plagioclase xls and sericitized ash.											
		Py is bimodal consisting of 10% fgr euhedral py											
		disseminated and forming blebs and 5% disseminated cgr											
		euhedral py.											
		<57.00-58.00> andesite lapilli tuff											
		Medium-coarse grained, yellowish-gray, Brecciated, oxidized											
		Frs=10/m											
		5 % silica alteration - clasts											
		50% sericite alteration - clasts											
		10 % pyrite - clasts											
		Limonitic/jarositic cemented cataclastic bx.											

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
63.80	65.75	andesite lapilli tuff Medium-coarse grained, gray, fragmental, sheared shear 80°:pyrite vein 90° Frs=20/m 5 % silica alteration - disseminated 60% sericite alteration - pervasive 10 % pyrite - disseminated 15% 0.5-4 cm lapilli in matrix of sericitized ash and 10% relict plagioclase xls (1 mm). Pyrite is fgr and occurs as blebs (1 mm across) and is disseminated through core. Pyrite veinlets between 64 and 64.4 m	46186 46187	62.50-64.00 64.00-65.50	1.50 1.50	385 634	1.8 6.0	36 304	37 21	258 35	202 235	1.5 1.5	3 3
<65.00-65.30>		andesite lapilli tuff Fine grained, pale gray, sheared, veined qz veining 2 % silica alteration - disseminated 80% kaolinite alteration - pervasive 10 % pyrite - disseminated 5 % qz veining - macroveins White qz vein in strongly kaolinitized wall rock											
65.75	72.50	massive andesite Fine grained, dark green, massive, veined gypsum vein Frs=17/m :Vns =10/m 10% silica alteration - disseminated 12% chlorite alteration - patches 40% sericite alteration - pervasive 10 % pyrite - blebs 20% 1-2 mm plagioclase xls. Pyrite occurs as fgr disseminated and cgr suhedral py which forms blebs 5 mm in size. Abundant >2 mm wide gypsum veins forming stockwork.	46188 46189 46190 46191	65.50-67.00 67.00-68.20 68.20-70.00 70.00-71.50	1.50 1.20 1.80 1.50	203 427 453 174	1.0 3.3 1.5 0.7	25 37 7 7	38 40 89 132	128 159 240 291	144 133 59 53	1.5 1.5 1.5 1.5	3 3 3 3
72.50	80.00	andesite lithic fragmental Medium-coarse grained, dark green, fragmental, veined gypsum vein :shear Frs=15/m :Vns =10/m 5 % silica alteration - disseminated 50% chlorite alteration - pervasive 12% sericite alteration - replacing feldspar phenocrysts 10 % pyrite - blebs 20% 0.5-2mm plagioclase xls and rare <1 cm lithic fragments. At 76.6, 10 cm zone of strongly sheared core.	46192 46193 46194 46195 46196	71.50-73.00 73.00-74.50 74.50-76.00 76.00-77.50 77.50-79.00	1.50 1.50 1.50 1.50 1.50	211 269 467 174 485	1.1 0.1 0.6 0.4 0.4	6 4 6 8 7	95 76 80 76 123	603 273 232 191 419	90 40 42 47 30	1.5 1.5 1.5 1.5 1.5	3 3 3 3 3

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		Pyrite occurs as disseminated fgr and subhedral cgr py which forms 2 mm wide blebs.											
80.00	91.80	massive andesite	46197	79.00-80.10	1.10	1125	0.8	8	127	568	42	1.5	3
		Fine grained, grayish-green, massive	46198	80.10-81.10	1.00	385	1.0	19	123	582	30	1.5	3
		qz veining 30°	46199	81.10-82.10	1.00	384	0.6	8	56	224	41	1.5	3
		Frs=35/m	46200	82.10-83.10	1.00	155	1.3	11	78	301	46	1.5	3
		5 % silica alteration - disseminated	46201	83.10-84.10	1.00	97	0.6	11	168	325	29	1.5	3
		10% chlorite alteration - patches	46202	84.10-85.10	1.00	268	2.2	14	58	342	63	1.5	3
		50% sericite alteration - pervasive	46203	85.10-86.10	1.00	327	2.7	22	32	407	134	1.5	3
		15 % pyrite - blebs	46204	86.10-87.10	1.00	293	1.4	31	55	857	63	1.5	3
		5 % qz veining - macroveins	46205	87.10-88.10	1.00	464	0.5	6	49	374	31	1.5	3
		Pyrite is bimodal with cgr py forming blebs, on fracture	46206	88.10-89.10	1.00	299	0.9	4	39	822	29	1.5	3
		planes and disseminated. Rare zones of up to 20% py	46207	89.10-90.10	1.00	609	0.7	8	33	418	48	1.5	3
		through the interval.	46208	90.10-91.10	1.00	241	1.3	17	42	621	86	1.5	3
		20% sericitized white plagioclase xls (1-4 mm).											
91.80	97.15	andesite lithic fragmental	46209	91.10-92.10	1.00	195	2.5	156	1016	1174	79	1.5	3
		Fine-coarse grained, dark gray, massive, fragmental	46210	92.10-93.10	1.00	121	1.4	27	26	366	71	1.5	3
		gypsum vein 30°	46211	93.10-94.10	1.00	215	2.5	7	44	548	42	1.5	3
		Frs=50/m :Vns =1/m	46212	94.10-95.10	1.00	193	3.0	61	40	672	30	1.5	3
		10% silica alteration - disseminated	46213	95.10-96.10	1.00	353	2.3	5	45	413	64	1.5	3
		60% sericite alteration - pervasive	46214	96.10-97.10	1.00	275	1.6	7	16	867	68	1.5	3
		15 % pyrite - blebs											
		Massive fgr mx with rare 1-2 cm relict lithic fragments.											
		Pyrite occurs as disseminated fgr xls and forms blebs of											
		cgr subhedral py.											
		At 94.75 gypsum vein.											
97.15	111.00	andesite lapilli tuff	46215	97.10-98.10	1.00	219	0.6	1	58	353	25	1.5	3
		Medium-coarse grained, dark green, massive, fragmental	46216	98.10-99.10	1.00	197	0.8	2	50	619	39	1.5	3
		qz veining 30°	46217	99.10-100.10	1.00	316	0.7	5	28	638	52	1.5	3
		Frs=75/m	46218	100.10-101.10	1.00	172	0.9	29	45	800	80	1.5	3
		5 % silica alteration - disseminated	46219	101.10-102.10	1.00	61	0.8	23	60	657	90	1.5	3
		40% chlorite alteration - pervasive	46220	102.10-103.10	1.00	382	2.9	20	42	1830	66	1.5	3
		20% sericite alteration - pervasive	46221	103.10-104.10	1.00	298	3.5	5	41	361	52	1.5	3
		2 % hematite - patches	46222	104.10-105.10	1.00	140	1.5	9	39	307	31	1.5	3
		12 % pyrite - blebs	46223	105.10-106.10	1.00	164	2.8	161	201	633	85	1.5	8
		1 % qz veining - macroveins	46224	106.10-107.50	1.40	414	2.1	7	63	294	85	3.0	3
		5% 0.5-2 cm chloritized lapilli and 15% <1 mm plagioclase	46225	107.50-109.20	1.70	447	1.5	8	55	803	95	1.5	3
		xls in matrix.											
		Pyrite is bimodal as above.											
		4 cm crustiform qz vein at 101.2 m.											
		At 105.8 m and 109.6 m, 20 cm zones in-situ breccia in											
		kaolinite altered matrix.											
111.00	116.90	andesite lithic fragmental	46226	109.20-111.50	2.30	230	1.4	28	62	312	86	1.5	3

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		Medium-coarse grained, grayish-green, fragmental, mottled	46227	111.50-113.00	1.50	60	1.2	6	64	345	22	1.5	3
		Frs=45/m	46228	113.00-114.50	1.50	95	1.3	21	45	379	42	1.5	3
		10% silica alteration - patches	46229	114.50-116.00	1.50	231	3.6	53	82	1210	83	1.5	13
		60% sericite alteration - pervasive											
		10 % pyrite - disseminated											
		15% <1 cm lithic fragments and 20% 1 mm plagioclase xls in matrix.											
		Pyrite is predominately fgr and disseminated. At the end of interval pyrite occurs as 2 mm blebs of py.											
116.90	124.40	andesite lithic fragmental	46230	116.00-117.50	1.50	199	2.3	12	144	487	55	1.5	3
		Medium-coarse grained, grayish-green, mottled, broken	46231	117.50-119.00	1.50	70	1.4	11	80	613	16	1.5	3
		Frs=75/m	46232	119.00-120.80	1.80	66	1.5	9	110	835	13	1.5	3
		5 % silica alteration - disseminated	46233	120.80-121.40	0.60	264	2.4	19	237	1286	60	1.5	7
		60% sericite alteration - pervasive	46234	121.40-122.00	0.60	327	2.5	16	193	1234	56	1.5	3
		12 % pyrite - blebs	46235	122.00-123.50	1.50	253	3.7	10	200	1795	19	1.5	3
		At beginning of the interval 0.5-2 cm lithic fragments are visible in massive sericitized matrix. By 123.5 the core becomes very broken.											
		Pyrite is bimodal occuring as blebs and disseminated through the core.											
124.40	129.62	andesite lithic fragmental	46236	123.50-125.00	1.50	158	2.2	11	226	782	35	1.5	3
		Fine-coarse grained, dark gray, massive	46237	125.00-126.50	1.50	13	0.5	57	123	21	41	1.5	3
		shear 30°	46238	126.50-127.80	1.30	67	0.6	142	236	16	40	1.5	3
		Frs=60/m	46239	127.80-128.80	1.00	27	0.4	61	52	21	33	1.5	3
		5 % silica alteration - disseminated											
		70% sericite alteration - pervasive											
		10 % pyrite - disseminated											
		5% subrounded lithic fragments and rare 1 mm plagioclase xls in matrix.											
		Pyrite occurs as 1 mm euhedral cubes.											
		<124.40-124.80> andesite lithic fragmental											
		Pale gray, Brecciated											
		60% kaolinite alteration - matrix											
		10 % pyrite - matrix											
		Breccia composed of 30% angular, altered fragments in matrix of clay and disseminated py.											
		<129.00-129.62> andesite lithic fragmental											
		Pale gray, Brecciated											
		60% kaolinite alteration - matrix											
		10 % pyrite - matrix											
		In-situ breccia of altered wall rock fragments in matrix of clay.											

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
129.62	136.10	massive andesite	46240	128.80-129.80	1.00	9	0.5	30	47	25	63	1.5	3
		Medium-coarse grained, green, rubbly	46241	129.80-131.40	1.60	47	0.1	1	98	3	3	1.5	3
		qz_carb veining 70°	46242	131.40-133.00	1.60	4	0.2	2	121	11	8	1.5	3
		Frs=100/m	46243	133.00-134.50	1.50	1	0.1	1	174	62	37	1.5	3
		70% silica alteration - pervasive	46244	134.50-136.10	1.60	1	0.1	1	362	58	20	1.5	3
		5 % sericite alteration - replacing feldspar phenocrysts											
		3 % pyrite - disseminated											
		1 % carbonate veining - macroveins											
		Rare <1 cm lithic fragments											
		At 132.9 crustiform qz-cc vein with 1-2 mm envelopes of black pyro-bitumen.											
		(eoh)											

12/08/94

From	TO	Measured Width	Recovery	RQD	Hardness
3.05	5.19	2.14	75	5	1-4
5.19	8.24	3.05	69	8	1-4
8.24	11.24	3.00	112	19	2
11.24	14.34	3.10	98	18	2
14.34	17.38	3.04	108	41	2
17.38	20.43	3.05	110	10	2
20.43	23.48	3.05	117	35	2
23.48	26.83	3.35	100	21	2
26.83	28.35	1.52	138	64	1-2
28.35	29.57	1.22	115	0	2
29.57	32.62	3.05	102	68	2
32.62	35.67	3.05	104	66	2
35.67	38.72	3.05	108	68	2
38.72	41.77	3.05	117	35	2
41.77	44.51	2.74	108	41	2
44.51	47.87	3.36	126	30	0-2
47.87	50.91	3.04	82	40	2
50.91	53.96	3.05	63	0	0-2
53.96	57.01	3.05	77	9	2
57.01	60.06	3.05	95	37	2
60.06	63.11	3.05	107	58	2
63.11	65.24	2.13	99	15	2
65.24	67.98	2.74	103	52	2
67.98	69.82	1.84	113	20	2
69.82	72.25	2.43	115	8	2
72.25	75.30	3.05	106	8	2
75.30	78.35	3.05	108	57	2
78.35	79.88	1.53	101	51	2
79.88	81.10	1.22	103	0	2
81.10	82.01	0.91	113	15	2
82.01	85.06	3.05	122	13	2
85.06	86.89	1.83	84	0	1-2
86.89	87.80	0.91	47	0	2
87.80	90.24	2.44	100	0	2
90.24	92.68	2.44	123	6	2-3
92.68	94.51	1.83	145	0	2-3
94.51	96.65	2.14	100	16	2
96.65	102.74	6.09	46	6	0-3
102.74	105.79	3.05	100	15	2-3
105.79	107.01	1.22	93	0	0-3
107.01	110.06	3.05	100	3	0-2
110.06	111.59	1.53	100	14	0-2
111.59	114.63	3.04	114	29	2
114.63	118.03	3.40	111	24	2
118.03	121.08	3.05	151	42	2-3
121.08	123.83	2.75	73	15	1-3
123.83	126.57	2.74	134	8	0-2
126.57	129.62	3.05	79	20	0-2
129.62	130.54	0.92	52	0	2
130.54	133.28	2.74	39	0	1-5
133.28	136.03	2.75	58	0	1-2

HOMESTAKE CANADA

DIAMOND DRILL HOLE LOG

TC9404

PROJECT: Treaty Creek DRILL HOLE: TC9404 LENGTH: 26.80	Date Commenced: 01.09.94 Date Completed: 02.09.94 Core Diam: BQTK	Contractor: SILVERTON DRILLING	Logged by: A.W. Geotech by: D.B.

Collar Location	
Latitude: 6271984.00 Departure: 429734.00 Elevation: 1310.00	

S U M M A R Y

0.00-26.80	OVERBURDEN

DOWN HOLE SURVEYS

Depth	Azim	Inclin	Method

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
0.00	26.80	OVERBURDEN 26.8 End of hole. Abandoned due to excessive overburden. (eoh)	0	0.00-0.00	0.00								

12/08/94

From	TO	Measured Width	Recovery	RQD	Hardness
0.00	0.00	0.00	0	0	

HOMESTAKE CANADA **DIAMOND DRILL HOLE LOG** **TC94-5**

PROJECT: Treaty Creek DRILL HOLE: TC94-5 LENGTH: 149.09	Date Commenced: 03.09.94 Date Completed: 07.09.94 Core Diam: BQTK	Contractor: SILVERTON DRILLING	Logged by: K.P Geotech by: D.B

Collar Location	
Latitude: 6272184.00 Departure: 429970.00 Elevation: 1360.00	

S U M M A R Y

0.00-15.00	OVERBURDEN
15.00-32.10	andesite lithic fragmental
32.10-40.20	massive andesite *
40.20-44.20	massive to vesicular dyke
44.20-48.80	andesite lithic fragmental
48.80-51.60	massive andesite
51.60-64.70	massive andesite
64.70-71.00	massive andesite
71.00-77.00	massive andesite *
77.00-100.80	andesite lithic fragmental
100.80-108.70	massive andesite
108.70-117.68	massive andesite
117.68-120.43	massive andesite
120.43-143.20	andesite lapilli tuff
143.20-146.15	andesite lapilli tuff
146.15-149.09	massive andesite

DOWN HOLE SURVEYS

Depth	Azim	Inclin	Method
0.00	315.00	-55.00	BRUNTON
72.50	317.00	-52.50	SPERRY-SUN
88.00	317.00	-52.50	SPERRY-SUN

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
0.00	15.00	OVERBURDEN											
15.00	32.10	andesite lithic fragmental	46245	15.00-17.00	2.00	204	1.8	30	103	86	124	1.5	3
		Fine grained, dark green, crystalline, oxidized	46246	17.00-20.00	3.00	168	1.8	19	87	88	144	1.5	3
		fracturing 45°:fracturing 90°	46247	20.00-22.50	2.50	319	3.3	24	85	84	171	1.5	3
		Frs=55/m	46248	22.50-24.00	1.50	248	0.8	23	95	82	131	1.5	3
		40% chlorite alteration - pervasive	46249	24.00-25.50	1.50	227	1.0	15	111	98	96	1.5	3
		30% sericite alteration - pervasive	46250	25.50-27.00	1.50	165	1.4	12	99	92	106	1.5	3
		10 % pyrite - disseminated	46251	27.00-28.50	1.50	188	2.3	8	146	102	70	1.5	3
		25% 1-3 mm lath shaped plagioclase xls and rare lithic	46252	28.50-30.00	1.50	722	3.8	40	208	184	222	1.5	3
		fragments.	46253	30.00-31.50	1.50	289	2.1	63	81	55	234	1.5	3
		Pyrite occurs as cgr up to 4mm euhedral xls.											
		At 23.9 m, 1 cm clay zone 90 C.A.											
		Common limonite fractures 45 and 90 C.A.											
	<30.60-32.10>	andesite lithic fragmental											
		Fine grained, gray, massive, oxidized											
		Frs=75/m											
		5 % silica alteration - disseminated											
		40% sericite alteration - pervasive											
		20% kaolinite alteration - patches											
		7 % pyrite - disseminated											
32.10	40.20	massive andesite	46254	31.50-33.00	1.50	142	1.7	36	82	44	64	1.5	3
		Fine grained, grayish-green, mottled, oxidized	46255	33.00-34.40	1.40	122	1.8	18	79	107	70	1.5	3
		cleavage, foliation 45°	46256	34.40-35.00	0.60	502	4.7	27	23	91	62	1.5	3
		Frs=40/m	46257	35.00-36.50	1.50	2235	3.2	25	49	116	130	1.5	3
		5 % silica alteration - disseminated	46258	36.50-38.00	1.50	349	1.7	16	72	106	89	1.5	3
		30% chlorite alteration - pervasive	46259	38.00-39.10	1.10	403	3.2	68	28	58	189	1.5	3
		50% sericite alteration - pervasive	46260	39.10-39.60	0.50	415	1.4	26	83	88	149	1.5	3
		10 % pyrite - blebs											
		Core is mottled due to variation in intensity of sericite											
		and chlorite alteration.											
		From 32.1 to 33.45 weak foliation.											
		Pyrite occurs as fgr disseminated and blebs of cgr											
		euhedral xls.											
	<38.40-38.50>	andesite lithic fragmental											
		10 % pyrite - disseminated											
		Strongly silicified core with 10% disseminated pyrite.											
40.20	44.20	massive to vesicular dyke	46261	39.60-41.00	1.40	143	0.4	10	1076	295	55	1.5	3
		Fine grained, green, vesicular	46262	41.00-42.70	1.70	10	0.4	16	694	512	17	1.5	3
		Frs=37/m											
		30% chlorite alteration - pervasive											
		30% sericite alteration - pervasive											

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		3 % pyrite - disseminated 5-10% 1-3 mm vesicles, 5% 0.5 mm plagioclase xls and 10% 1 mm mafic xls.											
44.20	48.80	andesite lithic fragmental Fine grained, grayish-green, fragmental, oxidized Frs=20/m 5 % silica alteration - disseminated 40% chlorite alteration - pervasive 30% sericite alteration - pervasive 5 % pyrite - disseminated 15% 1 mm plagioclase xls and rare lithic fragments.	46263 46264 46265	42.70-44.40 44.40-46.00 46.00-47.50	1.70 1.60 1.50	24 288 384	0.9 1.4 1.8	34 39 58	301 144 264	799 229 220	47 91 89	1.5 1.5 1.5	3 3 3
48.80	51.60	massive andesite Fine grained, pale gray, oxidized Frs=30/m 5 % silica alteration - disseminated 60% sericite alteration - pervasive 10 % pyrite - disseminated	46266 46267 46268	47.50-49.00 49.00-50.40 50.40-51.30	1.50 1.40 0.90	590 261 458	9.1 3.7 4.8	133 205 465	188 92 80	940 161 96	146 222 150	1.5 1.5 1.5	3 3 3
51.60	64.70	massive andesite Fine grained, grayish-green, crystalline, veined qz veining 45° Frs=15/m 5 % silica alteration - disseminated 30% chlorite alteration - pervasive 30% sericite alteration - pervasive 10 % pyrite - disseminated 10-15% 1 mm plagioclase xls and up to 40% lithic fragments 1-5 mm at end of interval. Pyrite forms 1 mm euhedral, disseminated xls. At 64 m, 1 cm qz-barite vein.	46269 46270 46271 46272 46273 46274 46275 46276	51.30-53.00 53.00-54.50 54.50-56.00 56.00-57.50 57.50-59.00 59.00-60.50 60.50-62.00 62.00-63.50	1.70 1.50 1.50 1.50 1.50 1.50 1.50 1.50	386 306 807 2415 1070 480 285 175	1.5 0.7 1.8 3.1 2.2 1.1 0.8 0.7	38 32 34 24 50 23 11 10	94 348 238 262 202 140 345 625	115 173 131 141 213 117 189 256	107 32 100 56 72 78 56 67	1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	3 3 3 3 3 3 3 3
<55.17-56.30>		massive andesite Fine grained, gray, veined qz veining 45° Frs=5/m :Vns =10/m 10 % qz veining - macroveins Veins form conjugate set at C.A.											
64.70	71.00	massive andesite Medium-coarse grained, grayish-green, fragmental, oxidized Frs=10/m 10% silica alteration - clasts 40% chlorite alteration - pervasive 20% sericite alteration - pervasive 8 % pyrite - disseminated	46277 46278 46279 46280	63.50-65.00 65.00-67.50 67.50-69.00 69.00-70.50	1.50 2.50 1.50 1.50	205 659 416 524	1.0 0.6 1.3 0.6	34 13 23 13	101 107 105 97	191 104 127 197	91 125 126 159	1.5 1.5 1.5 1.5	3 3 3 3

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		30% lithic fragments <5 mm in size.											
		<64.70-65.00> massive andesite Fine grained, pale gray, foliated cleavage, foliation 50° 5 % silica alteration - disseminated 5 % chlorite alteration - disseminated 60% sericite alteration - pervasive 10 % pyrite - disseminated											
71.00	77.00	massive andesite	46281	70.50-72.00	1.50	300	1.2	11	87	99	113	1.5	3
		Medium-coarse grained, grayish-green, Brecciated, oxidized	46282	72.00-73.50	1.50	200	1.0	8	119	54	92	1.5	3
		Frs=10/m	46283	73.50-75.00	1.50	262	0.8	4	139	55	82	1.5	3
		30% silica alteration - matrix	46284	75.00-76.50	1.50	134	0.8	7	178	200	76	1.5	3
		30% chlorite alteration - clasts											
		30% sericite alteration - clasts											
		10 % pyrite - blebs											
		Rare 1 mm plagioclase xls observed in breccia fragments.											
		Core is strongly brecciated with in-situ breccia along											
		margins cemented by silica.											
		Radiating barite at 77.75 m											
		Pyrite occurs as fgr disseminated and 2-4 mm blebs.											
		<73.40-74.40> massive andesite 10 % pyrite - disseminated Brecciated fragments of wall rock in silicified, pyritic matrix.											
77.00	100.80	andesite lithic fragmental	46285	76.50-78.00	1.50	101	0.5	6	128	114	58	1.5	3
		Fine grained, grayish-green, massive, oxidized	46286	78.00-79.20	1.20	367	1.4	13	200	112	183	1.5	3
		Frs=25/m :Vns =2/m	46287	79.20-81.00	1.80	375	2.0	12	185	114	219	1.5	3
		15% silica alteration - disseminated	46288	81.00-82.50	1.50	242	2.0	41	105	81	133	1.5	3
		30% chlorite alteration - pervasive	46289	82.50-84.00	1.50	606	5.9	27	95	210	126	1.5	3
		30% sericite alteration - pervasive	46290	84.00-85.50	1.50	204	2.2	21	96	191	125	1.5	3
		10 % pyrite - disseminated	46291	85.50-87.00	1.50	212	2.4	17	93	126	70	1.5	3
		Relict fragmental texture with subrounded 1-4 mm lithic	46292	87.00-88.50	1.50	267	3.6	22	97	127	95	1.5	3
		clasts.	46293	88.50-90.00	1.50	70	0.8	12	81	112	50	1.5	3
		Pyrite is fgr and occurs as disseminated and 1-2 mm blebs	46294	90.00-91.50	1.50	44	0.6	12	100	93	63	1.5	3
		of xls.	46295	91.50-93.00	1.50	129	1.9	14	115	157	72	1.5	3
		<97.56-100.80> andesite lithic fragmental	46296	93.00-94.50	1.50	42	0.6	17	128	145	68	3.0	3
		Medium grained, pale gray, mottled	46297	94.50-96.00	1.50	110	1.1	18	142	173	78	1.5	3
		gypsum vein	46298	96.00-97.56	1.56	197	2.3	15	139	312	114	1.5	3
		Frs=100/m	46299	97.56-99.00	1.44	453	4.7	24	141	224	236	1.5	3
		20% silica alteration - blebs	46300	99.00-100.40	1.40	774	4.0	24	112	272	223	1.5	3
		10% chlorite alteration - patches											
		50% sericite alteration - pervasive											

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		10 % pyrite - disseminated Pods of white silicification up to 1 cm in sericitized wall rock. Pyrite is bimodal with fgr disseminated and cgr euhedral cubes. 1 cm gypsum vein at 100 m											
100.80	108.70	massive andesite Fine grained, grayish-green, crystalline, oxidized cleavage, foliation 80°:cleavage, foliation 45° Frs=100/m 5 % silica alteration - disseminated 35% chlorite alteration - pervasive 35% sericite alteration - pervasive 5 % pyrite - disseminated 30% 1-4 mm plagioclase xls and 5% possible hornblende xls in aphanitic groundmass. Foliation steep at beginning of interval and becomes shallow by end of interval.	46301	100.40-101.80	1.40	574	3.4	40	166	264	290	1.5	3
			46302	101.80-103.50	1.70	200	1.2	15	112	70	184	1.5	3
			46303	103.50-105.00	1.50	137	0.8	26	113	110	97	1.5	3
			46304	105.00-106.50	1.50	377	1.4	22	116	179	125	1.5	3
			46305	106.50-108.00	1.50	161	0.7	16	117	245	64	1.5	3
<103.90-104.20>		massive andesite Fine grained, grayish-green, veined qz veining 10% silica alteration - disseminated 35% chlorite alteration - pervasive 35% sericite alteration - pervasive 10 % pyrite - disseminated 60 % qz veining - macroveins Crustiform and massive white qz veins forming stockwork.											
108.70	117.68	massive andesite Fine grained, dark green, massive Frs=100/m 15% silica alteration - disseminated 50% chlorite alteration - pervasive 10% sericite alteration - patches 4 % pyrite - disseminated No visible textures in core, interval marks the end of supergene oxidation. Breccia with quartz mx observed at 111.8 m.	46306	108.00-109.50	1.50	139	0.6	15	100	133	44	1.5	3
			46307	109.50-111.00	1.50	174	0.6	20	128	172	27	1.5	3
			46308	111.00-112.50	1.50	132	0.5	15	145	160	38	1.5	3
			46309	112.50-114.00	1.50	74	0.6	19	175	243	36	1.5	3
			46310	114.00-115.50	1.50	103	0.5	12	124	173	34	1.5	3
			46311	115.50-117.68	2.18	113	0.7	10	142	145	61	1.5	3
<116.10-117.68>		massive andesite Fine grained, dark green, veined qz veining 45°:qz veining 10° Frs=100/m :Vns =10/m											

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		10% silica alteration - disseminated 50% chlorite alteration - pervasive 10% sericite alteration - patches 4 % pyrite - disseminated 17 % qz veining - macroveins 3-10 mm qz veins 10 to 45 C.A.											
117.68	120.43	massive andesite Fine grained, gray, massive Frs=100/m 10% silica alteration - disseminated 10% chlorite alteration - patches 60% sericite alteration - pervasive 10 % pyrite - disseminated No visible textures. Pyrite occurs as fgr and cgr euhedral cubes disseminated through the core.	46312 46313	117.68-119.00 119.00-120.43	1.32 1.43	373 230	2.7 2.0	78 12	273 76	305 149	158 105	1.5 1.5	3 3
120.43	143.20	andesite lapilli tuff Medium-coarse grained, green, crystalline, fragmental qz veining Frs=100/m :Vns =1/m 5 % silica alteration - disseminated 50% chlorite alteration - pervasive 20% sericite alteration - replacing feldspar phenocrysts 10 % pyrite - disseminated Up to 50% 1 mm plagioclase xls in the matrix with 5% 0.5-5 cm plagioclase-phyric lapilli. Rare 1-2 mm qz veins random orientation. Pyrite occurs as vfgr and 1 mm cubes disseminated through the core.	46314 46315 46316 46317 46318 46319 46320 46321 46322 46323 46324 46325	120.43-124.39 124.39-126.39 126.39-128.35 128.35-130.00 130.00-131.50 131.50-133.00 133.00-134.50 134.50-136.00 136.00-138.00 138.00-140.00 140.00-141.50 141.50-143.00	3.96 2.00 1.96 1.65 1.50 1.50 1.50 1.50 2.00 2.00 1.50 1.50	277 113 83 492 122 92 72 106 31 73 59 334	1.8 1.7 1.2 2.1 1.1 0.6 0.7 0.8 0.6 0.7 0.5 0.9	14 4 5 8 4 5 2 7 1 4 2 7	81 405 433 544 578 346 159 252 233 240 259 182	47 10 56 460 39 34 5 34 16 8 6 33	80 110 52 94 70 47 57 68 49 50 33 92	1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	3 3 3 3 3 3 3 3 3 3 3 3
143.20	146.15	andesite lapilli tuff Medium-coarse grained, grayish-green, fragmental, sheared shear 10° Frs=100/m 10% silica alteration - disseminated 20% chlorite alteration - pervasive 50% sericite alteration - pervasive 5 % pyrite - disseminated up to 1.5 cm lapilli in ash matrix.	46326 46327	143.00-144.50 144.50-146.00	1.50 1.50	36 34	0.5 0.7	5 7	412 275	35 42	37 43	1.5 1.5	3 3
146.15	149.09	massive andesite Fine grained, green, crystalline, massive qz veining Frs=100/m 5 % silica alteration - disseminated	46328 46329 46330	146.00-147.00 147.00-148.00 148.00-149.09	1.00 1.00 1.09	1250 181 190	3.5 0.8 0.7	17 7 12	191 161 167	10 103 80	117 81 113	1.5 1.5 1.5	3 3 3

FROM	TO	D E S C R I P T I O N	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		50% chlorite alteration - pervasive 20% sericite alteration - pervasive 5 % pyrite - disseminated 1 % qz veining - macroveins Brocken fragments of possible qz vein at EOH											
	(eoh)												

12/08/94

Hole: TC94-5 GEOTECHNICAL DATA

From	TO	Measured Width	Recovery	RQD	Hardness
17.69	22.57	4.88	38	2	2
22.57	25.31	2.74	68	4	2-3
25.31	26.53	1.22	238	37	2
26.53	27.14	0.61	251	75	2-3
27.14	29.88	2.74	104	0	2-3
29.88	32.93	3.05	60	0	2-3
32.93	35.98	3.05	115	13	1-3
35.98	38.41	2.43	74	8	1-3
38.41	41.46	3.05	110	22	2-3
41.46	45.12	3.66	128	7	2
45.12	48.17	3.05	100	44	2-3
48.17	51.22	3.05	56	0	3
51.22	53.35	2.13	136	8	2-3
53.35	54.27	0.92	105	61	2
54.27	57.31	3.04	102	71	3
57.31	60.37	3.06	95	14	20
60.37	63.41	3.04	106	70	3
63.41	66.46	3.05	92	33	3
66.46	69.51	3.05	105	82	3
69.51	72.56	3.05	103	18	3
72.56	75.60	3.04	118	59	3-4
75.60	78.66	3.06	100	60	3-4
81.71	84.76	3.05	81	0	3
84.76	87.54	2.78	124	47	3
87.54	91.77	4.23	87	15	3
91.77	93.91	2.14	86	6	1-3
93.91	96.34	2.43	83	16	2-3
96.34	97.56	1.22	52	0	3
97.56	100.00	2.44	41	0	3
100.00	102.74	2.74	80	0	2-3
102.74	104.27	1.53	61	0	3
104.27	106.09	1.82	15	0	3
106.09	108.84	2.75	89	0	3
108.84	111.89	3.05	108	7	3
111.89	114.33	2.44	66	0	3
114.33	115.55	1.22	74	0	3
115.55	117.68	2.13	54	0	3
117.68	120.43	2.75	53	0	1-3
120.43	124.39	3.96	7	0	3
124.39	128.35	3.96	36	0	3
128.35	129.57	1.22	177	0	3
129.57	130.79	1.22	101	0	3
130.79	132.32	1.53	121	0	3
132.32	135.06	2.74	86	0	3
135.06	136.59	1.53	95	0	3
136.59	139.02	2.43	88	0	3
139.02	142.68	3.66	34	0	3
142.68	145.43	2.75	74	0	3
145.43	146.34	0.91	130	0	3
146.34	149.09	2.75	39	0	3

HOMESTAKE CANADA **DIAMOND DRILL HOLE LOG** **TC94-6**

PROJECT: Treaty Creek DRILL HOLE: TC94-6 LENGTH: 54.88	Date Commenced: 08.09.94 Date Completed: 11.09.94 Core Diam: BQTK	Contractor: SILVERTON DRILLING	Logged by: A.K. Geotech by: D.B

Collar Location	
Latitude: 6272030.00 Departure: 429770.00 Elevation: 1340.00	

S U M M A R Y

0.00-8.20	OVERBURDEN
8.20-12.80	andesite lithic fragmental
12.80-23.78	massive andesite
23.78-29.88	massive andesite
29.88-41.00	massive andesite
41.00-49.70	andesite lithic fragmental
49.70-51.00	massive andesite
51.00-54.88	massive andesite

DOWN HOLE SURVEYS

Depth	Azim	Inclin	Method
0.00	280.00	-60.00	BRUNTON

HOLE: TC94-6 **HOMESTAKE CANADA - Treaty Creek**

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
0.00	8.20	OVERBURDEN											
8.20	12.80	andesite lithic fragmental	46331	8.20-8.54	0.34	117	11.5	517	4	75	550	1.5	5
		Fine grained, pale green, sheared, oxidized	46332	8.54-10.00	1.46	361	3.9	78	1	5	20	1.5	20
		shear 85°:qz veining 10°	46333	10.00-11.40	1.40	311	3.3	20	1	4	15	1.5	12
		Frs=40/m	46334	11.40-12.70	1.30	348	7.6	109	5	9	79	1.5	39
		10% silica alteration - disseminated											
		70% sericite alteration - pervasive											
		10 % pyrite - blebs											
		1 % qz veining - macroveins											
		Possible fragmental tx, strongly limonitic core.											
		Pyrite occurs as vfgr and 1 mm euhedral xls disseminated											
		and forming minor clots.											
		%5 cm white qz vein at 12.6 m.											
12.80	23.78	massive andesite	46335	12.70-14.00	1.30	506	16.3	721	66	50	188	1.5	42
		Fine grained, green, mottled, oxidized	46336	14.00-15.50	1.50	485	1.4	288	1	4	97	1.5	5
		Frs=60/m	46337	15.50-17.00	1.50	437	3.4	121	1	6	73	1.5	7
		70% silica alteration - pervasive	46359	16.15-17.15	1.00								
		10% sericite alteration - disseminated	46338	17.00-18.50	1.50	605	3.8	181	1	6	90	1.5	3
		1 % hematite - disseminated	46360	17.15-18.15	1.00								
		10 % pyrite - disseminated	46339	18.50-20.73	2.23	980	2.5	78	1	5	149	1.5	3
		Blocky and lath shapped feldspar xls and mottled texture	46340	20.73-23.78	3.05	990	2.9	172	1	11	228	1.5	3
		(possible clasts).											
		Pyrite is bimodal, occuring as cgr and fgr xls.											
		Core has faint pink clouoring, possible hematite.											
23.78	29.88	massive andesite	46341	23.78-25.50	1.72	541	2.8	78	1	3	117	1.5	6
		Green, veined, oxidized	46342	25.50-27.00	1.50	477	2.0	48	3	12	113	1.5	3
		qz veining 60°	46343	27.00-28.50	1.50	194	0.9	14	23	12	91	1.5	3
		Frs=30/m :Vns =5/m	46344	28.50-29.88	1.38	323	1.3	36	1	18	132	1.5	3
		60% silica alteration - pervasive											
		10% sericite alteration - patches											
		5 % kaolinite alteration - patches											
		1 % hematite - disseminated											
		10 % pyrite - disseminated											
		5 % qz veining - macroveins											
		No visible texture.											
		Interval is strongly silicified with faint hematitic											
		colouring.											
		Beginning and end of interval are strongly oxidized.											
		5 cm quartz vein with pyritic margins at 25.5 m.											
29.88	41.00	massive andesite	46345	29.88-32.93	3.05	504	0.9	33	1	4	62	1.5	3
		Yellowish-gray, rubbly, oxidized	46346	32.93-36.00	3.07	515	1.8	141	1	5	149	1.5	3
		Frs=60/m	46347	36.00-39.02	3.02	676	4.9	293	5	57	721	1.5	22

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		10% silica alteration - disseminated 60% sericite alteration - pervasive 10% kaolinite alteration - patches 1 % hematite - disseminated 10 % pyrite - disseminated Poor recovery and strongly oxidized core. Intervals of hematitic silicification as in previous interval.	46348	39.02-40.50	1.48	749	7.8	284	10	16	384	1.5	13
41.00	49.70	andesite lithic fragmental Medium-coarse grained, dark gray, fragmental qz veining Frs=65/m 20% silica alteration - disseminated 40% kaolinite alteration - pervasive 1 % hematite - disseminated 15 % pyrite - disseminated 1 % qz veining - macroveins 20% 0.2-1.5 cm lithic fragments in massive matrix. Core has slight hematitic tinge in places due to disseminated hematite. Pyrite preferentially occurs in fragments and in blebs in the matrix. Typically occurs as fgr xls but rare 2-3 mm euhedral xls are present. 5 mm crustiform qz vein at 46.5 m. Wall rock adjacent to vein hosts cgr pyrite.	46349 46350 46351 46352 46353 46354 46355	40.50-42.00 42.00-43.50 43.50-45.00 45.00-46.50 46.50-48.30 48.30-48.90 48.90-49.70	1.50 1.50 1.50 1.50 1.80 0.60 0.80	723 675 1000 738 495 553 528	7.2 3.8 5.8 4.8 6.3 3.4 4.6	179 281 289 116 143 64 58	7 2 1 1 2 1 1	15 35 26 16 23 36 35	732 368 336 364 364 477 301	1.5 3.0 1.5 1.5 1.5 1.5 1.5	11 7 7 6 15 3 3
49.70	51.00	massive andesite Fine grained, dark green, oxidized Frs=5/m 5 % silica alteration - disseminated 30% chlorite alteration - pervasive 30% sericite alteration - pervasive 5 % pyrite - disseminated Rare plagioclase xls in aphanitic matrix	46356	49.70-51.00	1.30	280	3.0	104	132	118	201	1.5	9
51.00	54.88	massive andesite Fine grained, pale gray, oxidized Frs=13/m 10% silica alteration - disseminated 60% sericite alteration - pervasive 10 % pyrite - disseminated No visible texture. 2 cm wide clay zone 90 C.A. at 54.3 m. (eoh)	46357 46358	51.00-53.00 53.00-54.88	2.00 1.88	410 397	3.4 3.2	183 74	15 1	60 39	363 202	1.5 1.5	14 10

Hole: TC94-6 GEOTECHNICAL DATA Page: 1

From	TO	Measured Width	Recovery	RQD	Hardness
8.54	11.59	3.05	31	0	1
11.59	14.63	3.04	70	0	3
14.63	17.68	3.05	55	8	3
17.68	20.73	3.05	73	8	3
20.73	23.78	3.05	12	0	3
23.78	26.83	3.05	100	25	3
26.83	29.88	3.05	111	31	3
29.88	32.93	3.05	16	0	3
32.93	39.02	6.09	14	0	3
39.02	42.07	3.05	40	0	3
42.07	44.98	2.91	53	0	2-3
44.98	48.17	3.19	96	4	3
48.17	51.22	3.05	80	46	3-4
51.22	54.27	3.05	95	26	0-4
54.27	54.88	0.61	111	0	2

HOMESTAKE CANADA **DIAMOND DRILL HOLE LOG** **TC94-7**

PROJECT: Treaty Creek DRILL HOLE: TC94-7 LENGTH: 46.66	Date Commenced: 12.09.94 Date Completed: 13.09.94 Core Diam: BQTK	Contractor: SILVERTON DRILLING	Logged by: A.K. Geotech by: D.B.

Collar Location	
Latitude: 6272030.00 Departure: 429770.00 Elevation: 1340.00	

S U M M A R Y

0.00-8.80	OVERBURDEN
8.80-14.63	massive andesite
14.63-18.80	andesite lapilli tuff
18.80-27.84	massive andesite
27.84-32.60	massive andesite
32.60-34.00	massive to vesicular dyke
34.00-38.00	andesite lithic fragmental
38.00-46.66	andesite lithic fragmental *

DOWN HOLE SURVEYS

Depth	Azim	Inclin	Method
0.00	307.00	-60.00	BRUNTON
20.63	309.00	-60.00	SPERRY-SUN

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
0.00	8.80	OVERBURDEN											
8.80	14.63	massive andesite	46361	8.80-11.59	2.79	268	8.3	1214	3	65	474	1.5	15
		Fine grained, pale green, foliated, broken	46362	11.59-13.00	1.41	820	9.0	36	3	7	36	1.5	23
		cleavage, foliation 80°:qz veining 80°	46363	13.00-14.63	1.63	394	11.0	574	24	6	39	1.5	26
		Frs=25/m :Vns =5/m											
		5 % silica alteration - disseminated											
		70% şericite alteration - pervasive											
		7 % pyrite - disseminated											
		5 % qz veining - macroveins											
		Core is strongly oxidized.											
		Pyrite is leached out of core forming boxwork after pyrite.											
		Abundant <1 cm quartz veins parallel to foliation											
		At 14.4 white quartz vein with brecciated wallrock clasts in vein.											
14.63	18.80	andesite lapilli tuff	46364	14.63-16.20	1.57	612	9.2	189	2	7	70	1.5	41
		Medium-coarse grained, pale gray, mottled, oxidized	46365	16.20-17.70	1.50	443	3.3	394	1	5	100	1.5	11
		qz veining											
		Frs=80/m :Vns =1/m											
		5 % silica alteration - disseminated											
		30% sericite alteration - pervasive											
		30% kaolinite alteration - pervasive											
		2 % hematite - patches											
		10 % pyrite - disseminated											
		1 % qz veining - macroveins											
		0.3-3 cm lapilli visible in core.											
		Mottled texture due to disseminated hematite.											
		Pyrite is entirely leached out resulting in boxwork texture.											
18.80	27.84	massive andesite	46366	17.70-19.20	1.50	740	11.0	302	2	4	80	1.5	13
		Fine grained, pale gray, crystalline, foliated	46367	19.20-20.70	1.50	255	3.8	157	1	4	59	1.5	6
		cleavage, foliation 80°:qz veining 80°	46368	20.70-22.20	1.50	474	1.9	45	1	2	76	1.5	5
		Frs=40/m :Vns =1/m	46369	22.20-23.70	1.50	839	2.3	38	1	6	101	1.5	7
		10% silica alteration - disseminated	46370	23.70-25.20	1.50	358	4.4	67	1	3	199	1.5	7
		70% kaolinite alteration - pervasive	46371	25.20-26.84	1.64	786	4.5	85	1	5	230	1.5	7
		2 % hematite - disseminated											
		10 % pyrite - disseminated											
		1 % qz veining - macroveins											
		Interval begins with strong foliation.											
		<1 mm lath shapped feldspar xls are visible in aphanitic matrix.											
		Core is strongly oxidized and pyrite xls have been leached out forming boxwork texture.											

FROM	TO	D E S C R I P T I O N	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		White 5 cm qz-py vein parallel to foliaton at 18.9 m.											
27.84	32.60	massive andesite	46372	26.84-29.89	3.05	657	56.0	225	3	16	108	1.5	121
		Fine grained, dark gray, massive, oxidized	46373	29.89-32.02	2.13	577	10.1	229	3	18	295	1.5	19
		pyrite vein 45°	46374	32.02-32.60	0.58	338	6.0	233	6	20	119	1.5	22
		Frs=75/m :Vns =2/m											
		10% silica alteration - disseminated											
		60% kaolinite alteration - pervasive											
		20 % pyrite - disseminated											
		No visible textures.											
		Pyrite occurs as small blebs and is disseminated.											
		Abundant 1-3 mm pyrite veins at 30.5 m.											
32.60	34.00	massive to vesicular dyke	46375	32.60-34.00	1.40	206	0.9	70	110	95	167	1.5	3
		Fine grained, dark green, massive, oxidized											
		cleavage, foliation 30°											
		Frs=50/m :Vns =5/m											
		5 % silica alteration - disseminated											
		60% chlorite alteration - pervasive											
		5 % sericite alteration - replacing feldspar phenocrysts											
		10 % pyrite - disseminated											
		1 mm mafic (hb?) and plagioclase xls are visible in											
		aphanitic matrix.											
		Calcite and chlorite-calcite veins present											
		Pyrite occurs as 0.5-1 mm subhedral xls.											
34.00	38.00	andesite lithic fragmental	46376	34.00-35.50	1.50	393	5.5	838	4	23	438	1.5	12
		Medium-coarse grained, dark gray, broken, oxidized	46377	35.50-37.00	1.50	870	5.8	162	1	26	519	1.5	3
		Frs=80/m											
		5 % silica alteration - disseminated											
		70% kaolinite alteration - pervasive											
		10 % pyrite - disseminated											
		20% 1-2 mm clay altered plagioclase xls, and rare 1-5 mm											
		angular fragments (dark grey).											
		Pyrite is leached out forming boxwork texture.											
38.00	46.66	andesite lithic fragmental	46378	37.00-38.50	1.50	867	5.7	90	5	43	446	1.5	3
		Fine grained, dark gray, Brecciated, oxidized	46379	38.50-40.00	1.50	675	5.0	94	1	28	196	1.5	3
		Frs=20/m	46380	40.00-41.50	1.50	452	5.4	229	1	21	225	1.5	6
		10% silica alteration - disseminated	46381	41.50-43.00	1.50	787	4.3	121	11	51	452	1.5	3
		35% sericite alteration - pervasive	46382	43.00-44.50	1.50	812	3.6	56	3	36	273	1.5	5
		35% kaolinite alteration - pervasive	46383	44.50-46.66	2.16	840	4.8	279	2	10	221	1.5	8
		12 % pyrite - disseminated											
		1-2 mm lath shapped plagioclase xls and rare lithic											
		fragments up to 2 cm are visible.											
		Pyrite is bimodal and occurs as fgr and euhedral cgr (2											
		mm) xls.											

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
<43.90-44.30>		andesite lithic fragmental 15 % pyrite - disseminated Zone comprises cgr and fgr pyrite within amourphous kaolinite+quartz matrix. Cgr pyrite occurs as 4 mm dodecahedron xls.											
(eoh)													

12/08/94

Hole: TC94-7 GEOTECHNICAL DATA Page: 1

From	TO	Measured Width	Recovery	RQD	Hardness
9.15	11.59	2.44	27	0	3
11.59	14.63	3.04	39	0	0-3
14.63	16.12	1.49	35	0	0-2
16.12	17.68	1.56	92	0	2-3
17.68	20.73	3.05	100	0	1-3
20.73	23.79	3.06	47	12	3
23.79	26.84	3.05	28	0	2-3
26.84	29.89	3.05	22	0	2-3
29.89	32.02	2.13	23	0	3
32.02	33.24	1.22	82	16	0-3
33.24	34.45	1.21	107	0	2-3
34.45	35.59	1.14	132	0	1-3
35.59	37.51	1.92	78	0	3
37.51	39.95	2.44	125	12	3
39.95	41.78	1.83	82	0	3
41.78	43.61	1.83	82	7	3
43.61	46.66	3.05	0	0	3

HOMESTAKE CANADA **DIAMOND DRILL HOLE LOG** **TC9408**

PROJECT: Treaty Creek DRILL HOLE: TC9408 LENGTH: 231.50	Date Commenced: 13.09.94 Date Completed: 17.09.94 Core Diam: BQTK	Contractor: SILVERTON DRILLING	Logged by: A.W. Geotech by: D.B.

Collar Location	
Latitude: 6272212.60 Departure: 430910.00 Elevation: 1128.00	

S U M M A R Y

0.00-14.00	orthoclase porphyry
14.00-33.70	andesite lithic fragmental
33.70-34.50	massive andesite
34.50-110.10	andesite lithic fragmental ****
110.10-124.40	grey silicification+/-pyrite
124.40-151.50	andesite lithic fragmental **
151.50-157.60	grey silicification+/-pyrite
157.60-231.50	andesite lithic fragmental *

DOWN HOLE SURVEYS

Depth	Azim	Inclin	Method
0.00	305.00	-60.00	BRUNTON
75.95	308.00	-59.00	SPERRY-SUN
152.20	307.00	-59.00	SPERRY-SUN

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
0.00	14.00	orthoclase porphyry	46386	0.00-1.50	1.50	3	0.2	19	51	13	31	1.5	3
		Medium-coarse grained, grayish-green, Brecciated	46387	1.50-3.00	1.50	5	0.1	59	37	11	30	1.5	3
		Frs=10/m	46388	3.00-4.50	1.50	3	0.2	50	35	11	37	1.5	3
		15% silica alteration - pervasive	46389	4.50-6.00	1.50	1	0.2	31	38	8	16	1.5	3
		60% kaolinite alteration - pervasive	46390	6.00-7.50	1.50	4	0.1	18	38	6	3	1.5	3
		5 % hematite - patches	46391	7.50-9.00	1.50	1	0.1	10	44	4	5	1.5	3
		3 % pyrite - disseminated	46392	9.00-10.50	1.50	3	0.1	7	40	4	3	1.5	3
		The rock contains 50-60% of K-feldspar porphyry fragments	46393	10.50-12.00	1.50	2	0.1	5	58	5	3	1.5	3
		up to 10 cm across in which laths of plagioclase up to 3	46394	12.00-14.00	2.00	3	0.2	152	68	28	3	1.5	3
		mm long can be recognised along with less frequent blocky											
		phenocrysts of K-feldspar up to 2 cm across. The fragments											
		are elongate parallel to the foliation direction.											
	<0.01-6.00>	orthoclase porphyry											
		Pale gray, Brecciated											
		12 % pyrite - disseminated											
		White to light gray fragments are set in dark gray											
		groundmass cointaining 12% of very fine pyrite.											
	<6.00-14.00>	orthoclase porphyry											
		Pale green, Brecciated											
		10% silica alteration - disseminated											
		30% kaolinite alteration - patches											
		5 % hematite - patches											
		10 % pyrite - disseminated											
		Pale greenish fragments altered to kaolinite in a											
		groundmass of 2 mm long plagioclase xls. Disseminated											
		hematite occurs in patches.											
14.00	33.70	andesite lithic fragmental	46395	14.00-15.50	1.50	6	0.2	82	61	17	18	1.5	3
		Medium-coarse grained, gray, sheared	46396	15.50-18.00	2.50	15	0.2	60	66	19	32	1.5	3
		shear 45°	46397	18.00-20.00	2.00	16	0.2	43	46	20	58	1.5	3
		Frs=5/m	46398	20.00-22.00	2.00	17	0.3	45	34	21	47	1.5	3
		15% silica alteration - pervasive	46399	22.00-24.00	2.00	21	0.3	52	25	25	34	1.5	3
		30% kaolinite alteration - pervasive	46400	24.00-26.00	2.00	18	0.2	55	29	22	33	1.5	3
		30% pyrophyllite - pervasive	46401	26.00-27.50	1.50	20	0.2	61	36	24	44	1.5	3
		1 % alunite - present	46402	27.50-29.00	1.50	6	0.2	46	82	14	14	1.5	3
		7 % pyrite - disseminated	46403	29.00-30.50	1.50	9	0.2	29	73	15	16	1.5	3
		The rock is of very dark gray colour with light gray and	46404	30.50-32.00	1.50	12	0.3	28	86	16	24	1.5	3
		pale green kaolinite altered lithic fragments. The rock	46405	32.00-33.70	1.70	7	0.2	8	196	7	6	1.5	3
		contains 40% of lapilli up to 2 cm across and 15% of											
		breccia fragments ranging from 2 to 20 cm across.											
		Groundmass is composed of lithic fragments, feldspar											
		crystals and disseminated pyrite. Breccia fragments are											
		often elongated and have diffuse borders.											

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
<31.70-33.70>		andesite lithic fragmental Medium-coarse grained, pale brown, massive 10% silica alteration - disseminated 30% kaolinite alteration - pervasive 20% pyrophyllite - patches .5% alunite - present 10 % pyrite - disseminated Interval is of light green-beige colour. Fragments are preferentially replaced by kaolinite.											
33.70	34.50	massive andesite Medium-coarse grained, pale brown, massive Frs=4/m 10% silica alteration - disseminated 40% kaolinite alteration - pervasive 20% pyrophyllite - patches 10 % pyrite - disseminated The rock is of light beige colour and comprises kaolinite+pyrophyllite+pyrite altered Unit 3. Volcanic fragments are visible.	46406	33.70-34.50	0.80	2	0.1	6	114	48	13	1.5	3
34.50	110.10	andesite lithic fragmental Medium-coarse grained, dark gray, laminated shear 40° Frs=5/m 20% silica alteration - pervasive 20% kaolinite alteration - disseminated 30% pyrophyllite - pervasive 5 % alunite - disseminated 15 % pyrite - disseminated The same lithological unit as interval 14.0-33.7 but more strongly altered. Original texture is in most part obliterated with few original fragments preserved. Fragments mostly strongly spread out.	46407	34.50-35.10	0.60	2	0.1	7	17	20	12	1.5	3
			46408	35.10-36.60	1.50	84	0.1	14	6	20	35	1.5	3
			46409	36.60-38.10	1.50	129	0.2	24	10	15	46	1.5	3
			46410	38.10-39.70	1.60	99	0.2	40	31	20	73	1.5	8
			46411	39.70-40.70	1.00	32	0.3	55	30	21	83	1.5	10
			46412	40.70-42.00	1.30	60	0.3	48	305	26	53	3.0	7
			46413	42.00-43.50	1.50	58	0.3	52	144	34	40	1.5	13
			46414	43.50-46.00	2.50	159	0.3	64	81	35	45	1.5	13
			46415	46.00-47.50	1.50	65	0.4	66	44	43	70	1.5	13
			46416	47.50-49.00	1.50	153	0.3	66	352	35	50	1.5	13
			46417	49.00-51.54	2.54	129	0.2	51	24	29	124	1.5	8
			46418	51.54-52.34	0.80	70	0.2	35	6	28	140	1.5	3
			46419	52.34-53.20	0.86	208	0.3	17	1	36	81	1.5	3
<34.50-35.10>		andesite lithic fragmental Dark gray, Brecciated, veined 10% silica alteration - disseminated 20% kaolinite alteration - patches 65% pyrophyllite - pervasive 2 % alunite - present 10 % pyrite - disseminated Interval contains 10 cm quartz vein at 25 degrees to core axis.											
<39.70-40.70>		andesite lithic fragmental 20% pyrite as patches lesser disseminations.											

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		<51.54-53.20> andesite lithic fragmental 20% pyrite as patches.											
		<51.54-53.20> andesite lithic fragmental Dark gray, mottled, semi-massive 40% silica alteration - pervasive 5 % kaolinite alteration - patches 5 % pyrophyllite - patches 30 % pyrite - patches Pods of grey silicification with semi-massive vgr pyrite.											
		<58.00-58.86> andesite lithic fragmental 30% of extremaly fine pyrite as irregular veinlets, patches to semi-massive.	46420 46421 46422	53.20-54.70 54.70-56.20 56.20-57.20	1.50 1.50 1.00	46 92 111	0.3 0.2 0.2	46 52 36	17 14 12	26 21 22	117 137 108	1.5 1.5 1.5	3 8 5
		<66.58-66.78> andesite lithic fragmental Interval contains 30% pyrophyllite and 30% kaolinite.	46423 46424	57.20-58.00 58.00-58.86	0.80 0.86	21 32	0.2 0.3	32 24	14 2	29 25	58 104	1.5 1.5	6 3
		<66.78-72.20> andesite lithic fragmental Dark gray, sheared, laminated shear 20°:shear 5° 15% silica alteration - pervasive 30% kaolinite alteration - pervasive 30% pyrophyllite - pervasive 2 % alunite - disseminated 10 % pyrite - disseminated Distinct shearing-lamination ranging from 0 to 20 degrees to core axis.	46425 46426 46427 46428 46429 46430 46431 46432	58.86-60.50 60.50-62.00 62.00-63.50 63.50-65.00 65.00-66.50 66.50-68.00 68.00-69.50 69.50-71.00	1.64 1.50 1.50 1.50 1.50 1.50 1.50 1.50	24 18 42 63 18 4 1 1	0.1 0.1 0.1 0.3 0.2 0.1 0.1 0.1	11 14 32 55 61 29 27 25	5 3 10 11 9 7 23 31	16 23 26 35 49 78 62 48	31 25 57 62 69 59 76 88	1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	3 3 6 11 10 3 3 3
		<79.50-108.27> andesite lithic fragmental Medium-coarse grained, grayish-white, fragmental, mottled pyrite vein 35° 10% silica alteration - disseminated 40% kaolinite alteration - pervasive 5 % pyrophyllite - patches 5 % alunite - disseminated 15 % pyrite - disseminated Mottled grey and white kaolinite+quartz+pyrite altered fragments in grey matrix. pyrite occures as very fine grained disseminated xls. Pyrite veining at 98.9 to 99.1, 3 mm veins 35 degrees C.A.	46433 46434 46435 46436 46437 46438 46439 46440 46441 46442 46443 46444	71.00-72.50 72.50-74.00 74.00-75.50 75.50-77.00 77.00-78.50 78.50-80.00 80.00-81.50 81.50-83.00 83.00-84.50 84.50-86.00 86.00-87.50 87.50-89.00	1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50	1 1 1 1 1 1 1 1 1 1 1 1	0.2 0.2 0.1 0.1 0.1 0.2 0.1 0.2 0.1 0.1 0.1 0.2	24 15 9 11 13 18 15 12 13 10 12 10	39 19 13 9 46 228 554 96 91 77 99 106	26 14 16 25 22 34 49 30 21 10 10 10	103 46 27 20 17 19 18 29 26 20 17 16	1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	3 3 3 3 3 3 3 3 3 3 3 3
110.10	124.40	grey silicification+/-pyrite Aphanitic, gray, Brecciated, vuggy contact 35° Frs=50/m	46445 46446 46447 46448	89.00-90.50 90.50-92.00 92.00-93.50 93.50-95.00	1.50 1.50 1.50 1.50	1 1 1 1	0.1 0.2 0.2 0.2	12 12 13 12	171 1338 462 402	13 19 17 25	22 29 25 22	1.5 3.0 1.5 1.5	3 3 3 3

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		90% silica alteration - pervasive	46449	95.00-96.50	1.50	2	0.2	15	288	20	31	1.5	3
		5 % pyrite - patches	46450	96.50-98.00	1.50	1	0.2	13	386	32	29	1.5	3
		Complate replacement by massive silica, primary texture	46451	98.00-99.50	1.50	3	0.1	10	318	19	40	4.0	3
		obliterated. Locally irregular veining by pale green and	46452	99.50-101.00	1.50	18	0.2	20	185	17	18	1.5	3
		yellow quartz.	46453	101.00-102.50	1.50	46	0.1	13	339	23	21	1.5	3
124.40	151.50	andesite lithic fragmental	46454	102.50-104.00	1.50	38	0.2	7	13	17	14	1.5	3
		Dark gray, laminated, massive	46455	104.00-105.50	1.50	50	0.2	7	6	22	18	1.5	3
		shear 30°:pyrite vein 30°	46456	105.50-107.00	1.50	51	0.3	33	7	35	36	1.5	28
		Frs=5/m	46457	107.00-108.50	1.50	315	0.3	13	5	14	28	1.5	14
		30% silica alteration - pervasive	46458	108.50-110.10	1.60	119	0.3	43	2	22	36	1.5	29
		20% kaolinite alteration - disseminated	46459	110.10-112.00	1.90	195	0.1	14	2	11	6	1.5	11
		10% pyrophyllite - disseminated	46460	112.00-113.50	1.50	39	0.1	6	1	7	3	1.5	8
		5 % alunite - disseminated	46461	113.50-115.00	1.50	44	0.1	9	7	8	3	1.5	9
		20 % pyrite - disseminated	46462	115.00-116.50	1.50	24	0.1	15	2	12	10	1.5	12
		5 % qz veining - present	46463	116.50-118.00	1.50	104	0.1	9	1	16	5	1.5	10
		The same lithological unit as interval 14.0-33.7. Very few	46464	118.00-119.50	1.50	51	0.1	11	1	16	6	1.5	10
		lithic fragments can be recognised. Shearing, lamination	46465	119.50-121.00	1.50	23	0.1	6	1	13	5	1.5	10
		and parallel 1-3 mm pyrite veinlets have attitudes ranging	46466	121.00-122.50	1.50	40	0.1	13	14	19	9	1.5	13
		from 0 to 40 degrees to core axis averaging about 30	46467	122.50-124.40	1.90	57	0.4	36	14	62	31	3.0	26
		degrees. They are often slightly crenulated. Irregular	46468	124.40-125.00	0.60	27	0.2	214	4	108	53	1.5	132
		veining by pale green quartz. Minor amounts of native	46469	125.00-125.50	0.50	34	0.2	97	2658	39	28	28.0	63
		sulphur on fractures were noted.	46470	125.50-127.00	1.50	16	0.7	41	291	56	54	5.0	38
<124.40-125.50>		andesite lithic fragmental											
		3 % pyrite - macroveins											
		0.5% cinnabar - disseminated											
		Cinnabar? occurs as fine disseminations.											
<124.41-125.50>		andesite lithic fragmental											
		Gray, sheared											
		shear 65°											
		10% silica alteration - pervasive											
		30% kaolinite alteration - pervasive											
		30% pyrophyllite - pervasive											
		10 % pyrite - disseminated											
		Core is strongly foliated.											
<128.40-141.00>		andesite lithic fragmental	46471	127.00-128.40	1.40	24	0.5	24	22	18	27	1.5	15
		Interval contains 17% of fine pyrite occuring as 1-3 mm	46472	128.40-129.40	1.00	38	0.6	15	92	24	54	1.5	16
		veinlets lesser patches, blebs and disseminations.	46473	129.40-130.40	1.00	1	0.4	13	10	20	83	1.5	16
<141.00-143.00>		andesite lithic fragmental	46474	130.40-131.40	1.00	49	0.4	5	17	37	35	1.5	8
		Fine-coarse grained, dark gray, Brecciated, massive	46475	131.40-132.40	1.00	262	0.3	8	10	22	38	1.5	13
		shear 20°	46476	132.40-133.40	1.00	35	0.5	8	8	15	36	1.5	13
		20% silica alteration - pervasive	46477	133.40-134.40	1.00	30	0.3	3	11	14	41	1.5	9
		30% kaolinite alteration - pervasive	46478	134.40-135.40	1.00	53	0.1	5	14	14	24	1.5	6

FROM	TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
		10% pyrophyllite - patches	46479	135.40-136.40	1.00	29	0.3	2	91	13	32	1.5	6
		2 % alunite - disseminated	46480	136.40-137.40	1.00	88	0.2	3	33	4	41	1.5	3
		9 % pyrite - disseminated	46481	137.40-138.40	1.00	16	0.2	1	435	4	70	1.5	3
		Core is brecciated and has a blocky texture.	46482	138.40-139.40	1.00	30	0.1	2	196	5	83	1.5	10
151.50	157.60	grey silicification+/-pyrite	46483	139.40-140.40	1.00	47	0.2	9	11	9	31	1.5	11
		Massive, vuggy	46484	140.40-141.00	0.60	54	0.1	9	206	13	49	1.5	18
		contact 20°	46485	141.00-142.50	1.50	10	0.1	11	9	14	33	1.5	7
		80% silica alteration - pervasive	46486	142.50-144.00	1.50	1	0.1	1	72	7	22	1.5	3
		10% pyrophyllite - pervasive	46487	144.00-145.50	1.50	24	0.1	1	12	10	14	1.5	3
		5 % pyrite - macroveins	46488	145.50-147.00	1.50	23	0.2	2	19	12	25	1.5	3
		Pyrite occurs as 1-2 mm crenulated veinlets at 0-20	46489	147.00-148.50	1.50	36	0.2	9	12	10	34	1.5	5
		degrees to core axis. Locally minor veining by pale green	46490	148.50-150.00	1.50	15	0.1	4	19	5	17	1.5	3
		quartz.	46491	150.00-151.50	1.50	14	0.2	9	46	9	23	1.5	3
157.60	231.50	andesite lithic fragmental	46492	151.50-153.00	1.50	34	0.2	72	60	45	58	1.5	27
		Dark gray, laminated, massive	46493	153.00-154.50	1.50	45	0.2	95	5	32	62	1.5	53
		shear 30°:pyrite vein	46494	154.50-156.00	1.50	12	0.2	44	27	25	70	1.5	95
		Frs=3/m	46495	156.00-157.60	1.60	28	0.7	14	22	13	33	1.5	30
		25% silica alteration - pervasive	46496	157.60-158.60	1.00	47	0.3	21	21	20	383	1.5	33
		30% kaolinite alteration - disseminated	46497	158.60-159.60	1.00	124	0.2	12	38	9	69	1.5	33
		15% pyrophyllite - pervasive	46498	159.60-160.30	0.70	43	0.2	11	18	10	45	1.5	11
		5 % alunite - disseminated	46499	160.30-161.00	0.70	5	0.2	8	13	7	32	1.5	20
		20 % pyrite - disseminated	46500	161.00-162.00	1.00	22	0.1	8	9	9	26	1.5	9
		2 % qz veining - present	46501	162.00-163.00	1.00	20	0.2	5	8	9	22	1.5	9
		Very few lithic fragments are preserved due to very	46502	163.00-164.00	1.00	2	0.1	9	6	9	29	1.5	11
		strong alteration. Core is laminated and locally sheared	46503	164.00-165.00	1.00	185	0.1	5	7	10	35	1.5	12
		throughout the interval. Orientation ranges from 0 to 65	46504	165.00-166.00	1.00	263	0.1	7	7	10	35	1.5	11
		degrees to core axis and averages between 0 to 30 degrees.	46505	166.00-167.00	1.00	53	0.2	13	12	11	45	1.5	26
			46506	167.00-168.00	1.00	14	0.2	13	4	9	45	1.5	15
		Laminae 1-4 mm wide are of silica+pyrite and of quartz+	46507	168.00-169.00	1.00	22	0.2	18	14	11	65	1.5	18
		kaolinite+pyrophyllite and 1-5% alunite.	46508	169.00-170.00	1.00	13	0.3	20	4	11	62	1.5	17
		Crenulation of the lamination is common. Locally the rock	46509	170.00-171.00	1.00	125	0.3	19	16	10	64	1.5	17
		is vuggy, part of the vugs seems to be after removal of	46510	171.00-172.00	1.00	17	0.3	9	10	12	37	1.5	8
		feldspar crystals. In places minor irregular veining by	46511	172.00-173.00	1.00	135	0.3	27	12	19	49	1.5	16
		pale green quartz. Minor amounts of native sulphur were	46512	173.00-174.00	1.00	16	0.3	25	5	12	48	1.5	19
		also noted.	46513	174.00-175.00	1.00	30	0.3	35	9	15	48	1.5	27
<157.60-231.50>		andesite lithic fragmental	46514	175.00-176.00	1.00	18	0.3	50	17	29	43	1.5	27
		Average 25% of very fine pyrite as 1-3 mm wide laminae and	46515	176.00-177.00	1.00	35	0.8	77	47	66	98	1.5	24
		veinlets, lesser as blebs and patches. Trace amount of	46516	177.00-178.00	1.00	24	0.6	79	36	37	61	1.5	31
		orpiment, stibnite and cinnabar?.	46517	178.00-179.00	1.00	33	0.8	34	3	19	47	1.5	33
<181.00-182.00>		grey silicification+/-pyrite	46518	179.00-180.00	1.00	25	0.9	99	2	42	51	1.5	35
		Brecciated, vuggy	46519	180.00-181.00	1.00	19	0.7	175	7	32	41	1.5	32
		90% silica alteration - pervasive	46520	181.00-182.00	1.00	71	0.8	135	8	24	39	1.5	32
		4 % sericite alteration - matrix											

FROM TO	DESCRIPTION	Sample	INTERVAL	WID	Au ppb	Ag ppm	Pb ppm	Zn ppm	Cu ppm	As ppm	Hg ppm	Sb pp
	Massive texture. The rock is cut by irregular discontinuous veinlets of pale green quartz.											
<183.20-184.00>	andesite lithic fragmental	46521	182.00-183.20	1.20	6	0.3	215	6	23	72	1.5	77
	Massive	46522	183.20-184.00	0.80	19	0.3	38	9	12	31	1.5	82
	The rock has gray-beige colour.											
<206.00-207.85>	andesite lithic fragmental	46523	184.00-185.00	1.00	23	0.3	156	3	21	62	1.5	193
	Vuggy	46524	185.00-186.00	1.00	74	0.4	185	6	19	73	1.5	233
	50% silica alteration - pervasive	46525	186.00-187.00	1.00	28	0.4	28	2	13	44	13.0	95
<210.90-212.30>	andesite lithic fragmental	46526	187.00-188.00	1.00	47	0.4	49	3	21	51	1.5	125
	Brecciated, vuggy	46527	188.00-189.00	1.00	24	0.5	96	12	28	64	1.5	39
	50% silica alteration - pervasive	46528	189.00-190.00	1.00	73	0.5	120	4	30	73	1.5	22
	Spaces between breccia clasts filled by pyrite and pale	46529	190.00-191.00	1.00	74	0.7	156	11	33	100	1.5	43
	green quartz.	46530	191.00-192.00	1.00	70	0.7	242	19	31	130	1.5	65
<213.40-216.00>	grey silicification+/-pyrite	46531	192.00-193.00	1.00	131	0.4	89	44	18	63	1.5	23
	Vuggy	46532	193.00-194.00	1.00	123	0.6	162	9	22	73	1.5	33
	50% silica alteration - pervasive	46533	194.00-195.00	1.00	57	0.8	192	28	19	60	1.5	51
<218.70-218.90>	andesite lithic fragmental	46534	195.00-196.00	1.00	49	0.7	138	192	19	60	1.5	36
	Interval with 1% of native sulphur.	46535	196.00-197.00	1.00	27	1.1	278	4	16	88	1.5	62
		46536	197.00-198.00	1.00	43	1.1	215	5	25	82	1.5	56
	231.5 End of hole.	46537	198.00-199.00	1.00	68	0.4	95	2	20	31	1.5	29
(eoh)		46538	199.00-200.00	1.00	31	1.1	109	8	34	47	1.5	27

12/08/94

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From	TO	Measured Width	Recovery	RQD	Hardness
0.00	3.66	3.66	86	49	3
3.66	5.79	2.13	156	10	3
5.79	12.03	6.24	45	0	3
12.03	14.95	2.92	100	55	3-4
14.95	17.99	3.04	120	49	0-4
17.99	24.09	6.10	50	16	0-4
24.09	27.14	3.05	100	30	3-4
27.14	30.19	3.05	121	75	3-4
30.19	33.24	3.05	108	57	3-4
33.24	36.29	3.05	108	66	2-4
36.29	39.04	2.75	109	55	3-4
39.04	42.09	3.05	100	25	3
42.09	45.44	3.35	101	81	3
45.44	48.49	3.05	103	98	3
48.49	51.54	3.05	102	80	3
51.54	53.98	2.44	107	18	3
53.98	57.03	3.05	90	10	3
57.03	58.86	1.83	158	59	3
58.86	60.69	1.83	87	14	2-3
60.69	63.13	2.44	107	45	2-3
63.13	66.18	3.05	108	36	3
66.18	68.93	2.75	73	36	3
68.93	71.68	2.75	100	28	3
71.68	75.03	3.35	107	79	3
75.03	78.08	3.05	100	92	3
78.08	81.13	3.05	100	82	3
81.13	84.18	3.05	103	79	3
84.18	87.18	3.00	70	53	3
87.18	88.15	0.97	124	72	0-3
88.15	91.19	3.04	109	99	3
91.19	94.25	3.06	100	65	3
94.25	96.38	2.13	106	42	0-3
96.38	99.43	3.05	108	89	3
99.43	102.47	3.04	100	46	3
102.47	105.53	3.06	109	98	3
105.53	108.27	2.74	115	73	3
108.27	110.71	2.44	115	16	3
110.71	114.68	3.97	108	33	3-4
114.68	117.12	2.44	102	46	3-4
117.12	121.39	4.27	103	54	4
121.39	123.22	1.83	35	20	4
123.22	126.88	3.66	102	82	3-4
126.88	130.23	3.35	101	72	4
130.23	133.28	3.05	100	62	4
133.28	133.84	0.56	143	89	4
133.84	136.95	3.11	102	90	4
136.95	139.99	3.04	100	82	4
139.99	143.05	3.06	101	65	4
143.05	146.03	2.98	102	94	4
146.03	149.14	3.11	101	87	3
149.14	152.20	3.06	101	82	3-4
152.20	155.34	3.14	96	25	3-4
155.34	158.29	2.95	108	68	3-4
158.29	161.34	3.05	108	92	4
161.34	164.39	3.05	105	95	4
164.39	167.44	3.05	108	92	4
167.44	170.49	3.05	102	82	4
170.49	173.54	3.05	100	59	4
173.54	176.59	3.05	108	57	4
176.59	179.64	3.05	113	43	4
179.64	182.69	3.05	118	48	4
182.69	185.74	3.05	105	72	4
185.74	188.79	3,05	106	64	4
188.79	191.84	3.05	111	31	4
191.84	194.89	3.05	100	60	4
194.89	197.94	3.05	105	44	4
197.94	200.99	3.05	102	31	4
200.99	204.04	3.05	102	46	4
204.04	207.10	3.06	108	38	4

From	TO	Measured Width	Recovery	RQD	Hardness
207.10	210.15	3.05	105	46	4
210.15	213.20	3.05	107	23	4
213.20	216.23	3.03	114	41	4
216.23	219.30	3.07	105	57	4
219.30	222.35	3.05	100	92	4
222.35	225.00	2.65	119	119	4
225.00	231.50	6.50	47	40	4

ASSESSMENT REPORT

TREATY CREEK PROPERTY

1994 EXPLORATION PROGRAM

VOLUME II OF II

SKEENA MINING DIVISION

NTS: 104B/9E
LATITUDE: 56° 25'
LONGITUDE: 130° 07'

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
K.M. Patterson
D.L. Kuran, P. Geol

November 29, 1994

Distribution: Homestake Files
Teuton Resources Corp.
A. Kaip
D. Kuran
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LIST OF FIGURES (VOLUME II)