GEOLOGICAL AND GEOCHEMICAL REPORT
ON THE
PL 7-11 CLAIMS

Located in the Galore Creek Area
Liard Mining Division
NTS 104G/4E
57° 03' North Latitude
131° 36' West Longitude

-prepared for-
ROYCE INDUSTRIES INC.

-prepared by-
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December, 1989

GEOLOGICAL AND GEOCHEMICAL REPORT ON THE PL 7-11 CLAIMS

TABLE OF CONTENTS

APPENDICES

LIST OF FIGURES

LIST OF TABLES

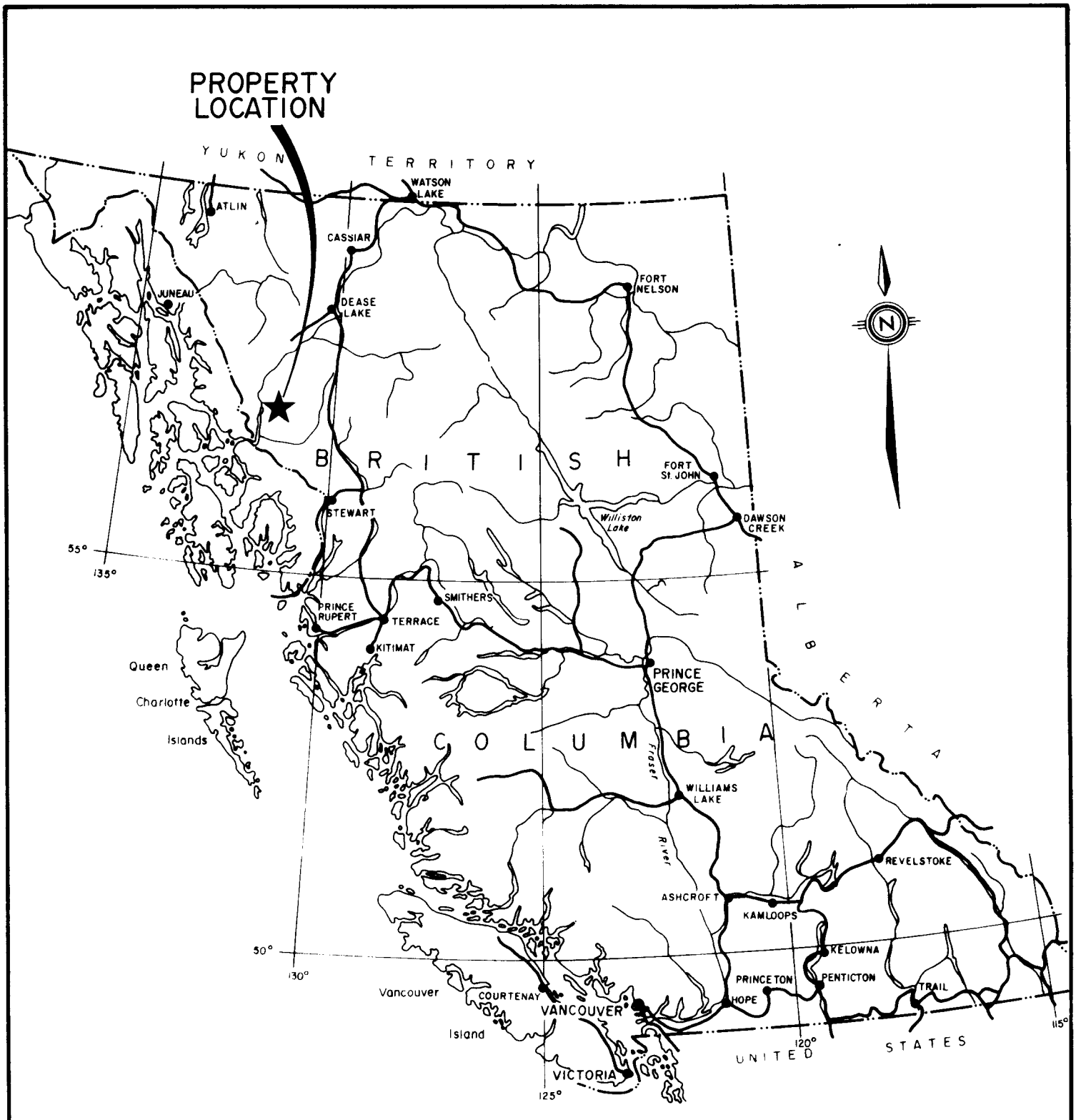
1.0 INTRODUCTION

The PL 7-11 claims are located approximately 160 kilometers northwest of Stewart in the Galore Creek district of northwestern British Columbia (Figure 1). They were staked in October 1988 to cover an Upper Triassic volcano-sedimentary sequence similar to those hosting the Paydirt, Snip, Stonehouse Gold and Sulphurets mesothermal gold-silver deposits. The Paydirt deposit, located three kilometers east of the PL 7-11 claim group, has 185,000 tonnes of drill-indicated reserves grading 4.11 grams gold per tonne. The Snip and Stonehouse Gold deposits, located in the Iskut River district approximately fifty kilometers to the south, each have reported significant reserves grading above 17 grams gold per tonne, with production either underway or expected in the near future. The geological similarity to the Iskut River, Sulphurets and Stewart mining camps to the south and the discovery in recent years of several major precious metals occurrences elsewhere in the Galore Creek district have sparked renewed exploration interest throughout the area.

Reconnaissance exploration, consisting of geological mapping, prospecting and geochemical sampling was carried out over the PL 7-11 claims during September and October 1989. Equity Engineering Ltd. conducted this program for Royce Industries Inc. and has been retained to report on the fieldwork and set forth recommendations for future exploration.

2.0 LIST OF CLAIMS

Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that the claims listed in Table 2.0.1 are owned by Pass Lake Resources Ltd. (Figure 2). Separate documents indicate that the PL 7-11 claims are under option to



ROYCE INDUSTRIES INC.

PL 7-11 CLAIM GROUP
LOCATION MAP

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

DRAWN: J. W.	MINING DIV. LIARD	FIGURE
N.T.S.: 104G/4E	SCALE: AS SHOWN	1
DATE: DEC., 1989	REVISED:	

Royce Industries Inc.

TABLE 2.0.1

CLAIM DATA

Claim Name	Record Number	No. of Units	Record Date	Expiry Year
PL 7	5410	20	Oct. 15, 1988	1994*
PL 8	5411	20	Oct. 15, 1988	1993*
PL 9	5412	20	Oct. 15, 1988	1994*
PL 10	5413	20	Oct. 15, 1988	1993*
PL 11	5414	20	Oct. 15, 1988	1994*
		100		

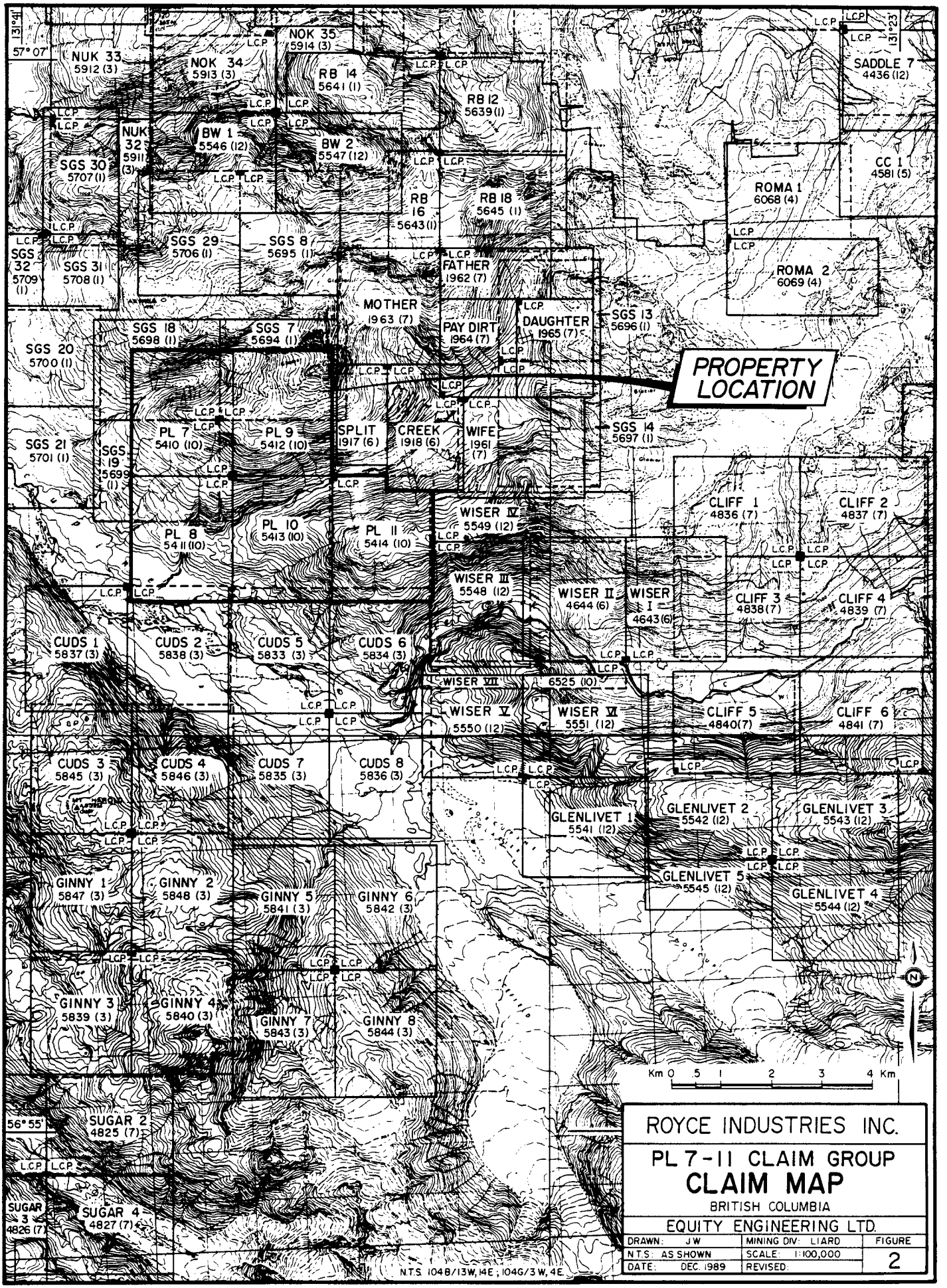
* Subject to approval of assessment work filed in October 1989.

The positions of the legal corner posts for the PL 7-11 claims have been verified by Equity Engineering Ltd. personnel.

3.0 LOCATION, ACCESS AND GEOGRAPHY

The PL 7-11 claims are located within the Coast Range Mountains approximately 160 kilometers northwest of Stewart and 100 kilometers southwest of Telegraph Creek in northwestern British Columbia (Figure 1). They lie within the Liard Mining Division, centered at 57° 03' north latitude and 131° 36' west longitude.

Access to the PL 7-11 claims during the 1989 field season was provided by daily helicopter setouts from the Galore Creek airstrip, which is located approximately fifteen kilometers to the northeast. During the field season, fixed-wing aircraft up to the size of a Turbo Otter fly charters to the Galore Creek airstrip directly from Smithers or via the Bronson airstrip which is located approximately fifty kilometers to the southeast. The Galore Creek airstrip is 425 meters in length, limiting the size of aircraft that can be safely landed there. The Scud River airstrip, located thirty kilometers north-northwest of the PL 7-11 property, is suitable for DC-3 aircraft. The Porcupine airstrip, located just



ROYCE INDUSTRIES INC.

PL 7-11 CLAIM GROUP

CLAIM MAP

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

DRAWN: JW	MINING DIV: LIARD	FIGURE
N.T.S: AS SHOWN	SCALE: 1:100,000	2
DATE: DEC. 1989	REVISED:	

two kilometers south of the PL-10 claim on the south side of the Porcupine River, has not been used since the 1960's, but appears to be in good shape for 350 meters, sufficient to land a single Otter. In the 1960's, Julian Mining Co. Ltd. constructed a cat road from the Porcupine River airstrip up Split Creek to their Sue copper porphyry prospect. This cat road, which would require reconstruction, passes through the center of the PL 7-11 claims, allowing the possibility of economical mobilization of heavy equipment in the future.

On the Alaskan side of the border, Wrangell lies approximately 100 kilometers to the southwest, and provides a full range of services and supplies, including a major commercial airport. The Stikine River has been navigated by 100-ton barges upriver as far as Telegraph Creek, allowing economical transportation of heavy machinery and fuel to within five kilometers of the property.

The PL 7-11 claims extend northeast from the Porcupine River, approximately eight kilometers above its confluence with the Stikine River (Figure 2). The claim group is divided by the steep valley of the southwesterly-flowing Split Creek. On the northwest side of Split Creek, the PL 7, 8 and 9 claims cover the southwestern slopes of Mount Scotsimpson, with elevations ranging from 100 meters on the Porcupine River to almost 2000 meters on the southern peak of Mount Scotsimpson. Southeast of Split Creek, the PL 8, 10 and 11 claims cover the northern and western flanks and the western peak of a northeasterly trending ridge, termed "Split Ridge", with elevations up to 1340 meters. Topography is rugged, typical of mountainous and glaciated terrain, with a valley glacier descending to the 700 meter elevation on the PL 7 claim, at the head of a creek referred to as "North Creek" in this report.

The majority of the PL 7-11 claims lies below treeline. Lower slopes are covered by a dense growth of hemlock and spruce with an

undergrowth of devil's club and huckleberry. Steeper open slopes are covered by dense slide alder growth. Above treeline, which occurs at approximately 1150 meters, more open alpine vegetation is present. Approximately ten percent of the property is covered by permanent snowfields and glaciers.

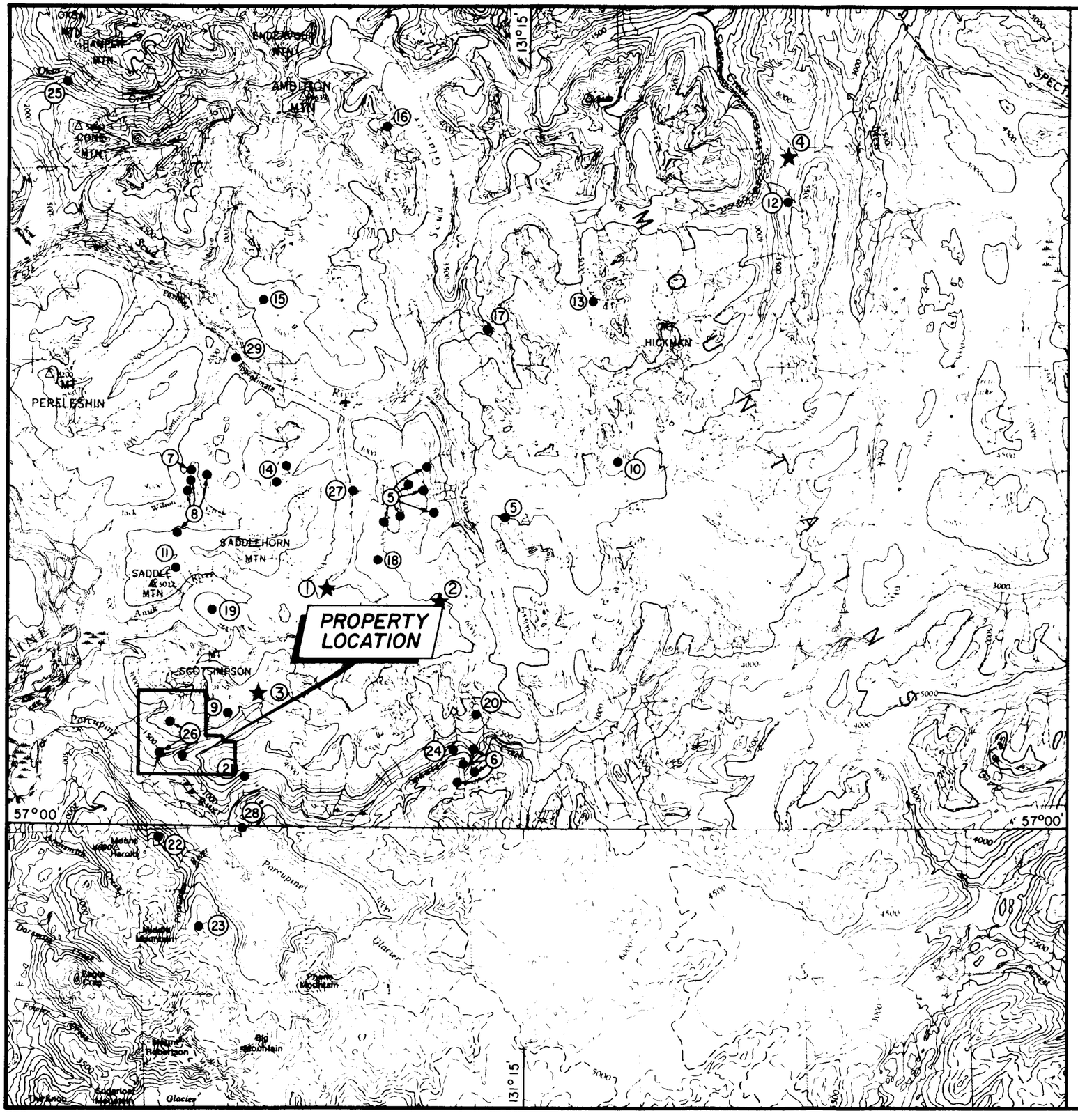
The property lies in the wet belt of the Coast Range Mountains, with annual precipitation ranging from 190 to 380 centimeters (Kerr, 1948). Except during July, August and September, precipitation at higher elevations falls mainly as snow, with accumulations reaching three meters or more. Both summer and winter temperatures are moderate, ranging from -5°C in the winter to 20°C in the summer months.

4.0 REGIONAL AND PROPERTY MINING HISTORY

4.1 Regional Mining History

The Galore Creek district was extensively explored for its copper potential throughout the 1960's, following the discovery in 1955 of the Galore Creek copper-gold porphyry deposit (Figure 3). This deposit, whose Central Zone hosts reserves of 125 million tonnes grading 1.06% copper and 400 ppb gold (Allen et al, 1976), is located approximately ten kilometers northeast of the PL 7-11 claims. Several major mining companies conducted regional mapping and silt sampling programs over the entire Galore Creek area, and the Copper Canyon copper-gold porphyry, estimated by Grant (1964) to contain 28 million tonnes at a grade of 0.64% copper, was discovered eight kilometers east of the Central Zone in 1957.

In the mid-1950's, prospecting crews for K. J. Springer noted abundant low-grade chalcopyrite mineralization on the north side



NAME OF OCCURRENCE		MINERAL RESERVES AND/OR ELEMENTS	
1.	Galore Creek	125,000,000 tonnes	0.40 gm/tonne Au 7.70 gm/tonne Ag
2.	Copper Canyon	25,000,000 tonnes	0.64% Cu
3.	Paydirt	185,000 tonnes	4.11 gm/tonne Au
4.	Schaft Creek	330,000,000 tonnes	0.32 gm/tonne Au 1.50 gm/tonne Ag 0.40% Cu 0.036% MoS_2
5.	Trophy	Au, Cu, Pb, Zn, Ag	
6.	Trek	Au, Cu, Pb, Zn, Ag, Mo	
7.	Icy	Au, Cu, Ag	
8.	Jack Wilson	Au, Cu	
9.	Ann/Su	Cu	
10.	Jay	Cu, Au, Ag	
11.	Devil's Club	Cu, Ag, Au	
12.	Hicks	Cu, Mo	
13.	Alberta	Cu	
14.	Pup	Cu, Au, Pb, Zn	
15.	JD	Cu, Au, Pb, Zn	
16.	North Scud	Cu	
17.	Middle Scud	Cu, Ag	
18.	Stikine East	Cu	
19.	Joan, MB	Cu, Au, Ag	
20.	Kim	Cu, Au, Ag	
21.	Wiser	Au, Ag	
22.	Cuds	Au, Ag, Pb, Cu	
23.	Ginny	Au	
24.	Sphal	Cu, Au	
25.	Oksa Creek	Cu, Pb, Zn, Au, Ag	
26.	PL 7-11	Au, Ag, Cu, Zn	
27.	Bik	Cu	
28.	Glenlivet	Au	
29.	Bell	Au	

● MINERAL OCCURRENCE

★ MINERAL DEPOSIT

Km 0 5 10 15 Km

ROYCE INDUSTRIES LTD.

PL7-11 CLAIM GROUP

REGIONAL MINERAL OCCURRENCE MAP

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

Drawn: J.J.E.	MINING DIV: LIARD	FIGURE
N.T.S.: 104 B, G	SCALE: AS SHOWN	3
DATE: DEC., 1989	REVISED:	

of Split Creek approximately two kilometers northeast of the present location of the PL 7-11 claims (Figure 3). In 1965, Julian Mining Co. Ltd. conducted geological mapping, induced polarization surveys, bulldozer trenching and 2,190 meters of diamond drilling on these showings, known as the Ann or Sue prospect, intersecting extensive mineralization grading around 0.1% to 0.2% copper. Limited bulldozer trenching and diamond drilling was conducted on the south side of Split Creek to test magnetic anomalies (BCDM, 1966). Throughout the 1960's and 1970's, the Sue prospect was evaluated by several other operators for its copper porphyry potential. In 1981, Teck Corp. staked the Sue prospect and conducted a reconnaissance silt sampling program for base and precious metals over the immediate area. Follow-up of geochemical anomalies led to the discovery of the Paydirt gold deposit approximately one kilometer northeast of the center of the Sue copper porphyry deposit. Soil geochemistry, rock sampling, trenching and 760 meters of diamond drilling on the Paydirt deposit delineated 185,000 tonnes of indicated reserves grading 4.11 grams gold per tonne (Holtby, 1985). Longreach Resources Limited initiated underground exploration on the Paydirt deposit in 1987 without conclusive results.

In 1987, several precious metal occurrences were discovered on the Trophy project located approximately 20 kilometers to the northeast of the PL 7-11 claims. Continental Gold Corp., which acquired the Trophy project in 1988, reported trench samples averaging 2.40 grams per tonne (0.07 ounces/ton) gold and 164.5 grams per tonne (4.80 ounces/ton) silver across 56.4 meters from their Ptarmigan A zone (Continental, 1988a). During the 1988 field season, Continental drilled 2,834 meters in 16 holes, with intersections up to 11.1 meters grading 5.48 grams gold and 30.2 grams silver per tonne (Continental, 1988b).

Elsewhere in the Galore Creek district, several significant precious metals occurrences were discovered on each of the Trek, Icy and Jack Wilson properties during the 1988 field season (Figure 3). In each case, these properties had been explored for copper during the 1960's, but had never received due attention for their gold potential. Further work was carried out on each of these properties during 1989 and reconnaissance mapping, prospecting and geochemical sampling were conducted over an additional 25,000 hectares of the Galore Creek district which had received essentially no previous exploration for precious metals. Several significant gold-silver occurrences were discovered throughout the district, including the Deluxe Zone, located a few hundred meters east of the PL 11 claim, which has reported significant gold and silver mineralization.

4.2 Property Mining History

The earliest work recorded on what are now the PL 7-11 claims was performed in 1965 by Bralorne Pioneer Mines on the S.C. claims, which extended east from the mouth of Split Creek. They performed geological mapping and reconnaissance soil sampling for copper over an area of 1000 meters by 1200 meters with indifferent results (James, 1965). Bralorne Pioneer also dug 13 trenches for a total of thirty meters on the S.C. claims, without releasing any results (BCDM, 1966).

During the course of exploration on Teck's Paydirt property in 1981, a few silt samples were reported from adjoining parts of the PL 9 and 11 claims (Folk, 1982). Further information on the eastern border of the PL 9 claim is provided by geological mapping of the Paydirt property by Holtby (1985) and Dunn (1986). Regional mapping over the PL 7-11 property has been done by Conwest Explorations (Grant, 1964), the Geological Survey of Canada

(Souther, 1971) and the British Columbia Geological Survey (Logan et al, 1989). In 1987, the federal and provincial geological surveys conducted a joint regional silt sampling program over the entire Telegraph Creek mapsheet, taking five samples from streams draining the PL 7-11 claims (GSC, 1988).

4.3 1989 Exploration Program

During September and October of 1989, Royce Industries Inc. carried out a reconnaissance exploration program on the PL 7-11 claims, consisting of geological mapping, prospecting and geochemical sampling. This program was targeted at gold-rich mesothermal base metal veins and gossanous areas similar to those occurring elsewhere in the Galore Creek district and within a similar geological environment which stretches south to the Iskut River, Sulphurets and Stewart mining districts.

During the course of this program, 61 silt samples, 183 soil samples and 157 rock samples were taken. Silt samples were taken from silt accumulations in backwaters or eddies. In the laboratory, the silt samples were either pulverised, or screened through a minus eighty mesh screen and left unpulverized, depending on the quantity of fines. All stream sediment samples were analysed geochemically for gold and 32-element ICP (Figure 6).

Four lines of contour soil samples were taken to test previously-known stream sediment anomalies and gossanous areas of the PL 7-11 claims. Wherever possible, these soil samples were taken from the red-brown B horizon. Soil samples were analysed geochemically for gold and a ten-element base metal ICP package. Values for gold, silver, copper, lead, zinc and arsenic above the 90th percentile have been plotted in Figure 6.

Prospecting and reconnaissance geology were carried out over the property, using a 1:10,000 topographic orthophoto as a base (Figures 5 and 6). Rock samples, described in Appendix B, were taken from zones of alteration and mineralization and analysed geochemically for gold and 32-element ICP. Samples returning geochemical values in excess of 3000 parts per billion gold or 10,000 parts per million copper, lead or zinc were assayed for the appropriate elements. Analytical certificates are attached in Appendix C.

5.0 REGIONAL GEOLOGY

The first geological investigations of the Stikine River in northwestern British Columbia began over a century ago when Russian geologists came to Russian North America assessing the area's mineral potential (Alaskan Geographic Society, 1979, in Brown and Gunning, 1989), and was followed by the first Geological Survey of Canada foray of G.M. Dawson and R. McConnel in 1887. Several more generations of federal and provincial geologists have been sent to the Stikine, including Kerr (1948b), the crew of Operation Stikine (GSC, 1957), Panteleyev (1976), Souther (1972), Souther and Symons (1974), Monger (1977), and Anderson (1989). The British Columbia Geological Survey has recently completed regional mapping of the area at a scale of 1:50,000 by Brown and Gunning (1989a,b) and Logan and Koyanagi (1989a,b).

The Galore Creek Camp lies within the Intermontane Belt, a geological and physiographic province of the Canadian Cordillera, and flanks the Coast Plutonic Complex to the west (Figure 4). At Galore Creek, the generally northwest-trending structure of the Intermontane Belt is discordantly cut across by the northeast-trending Stikine Arch which became an important, relatively positive tectonic element in Mesozoic time when it began to

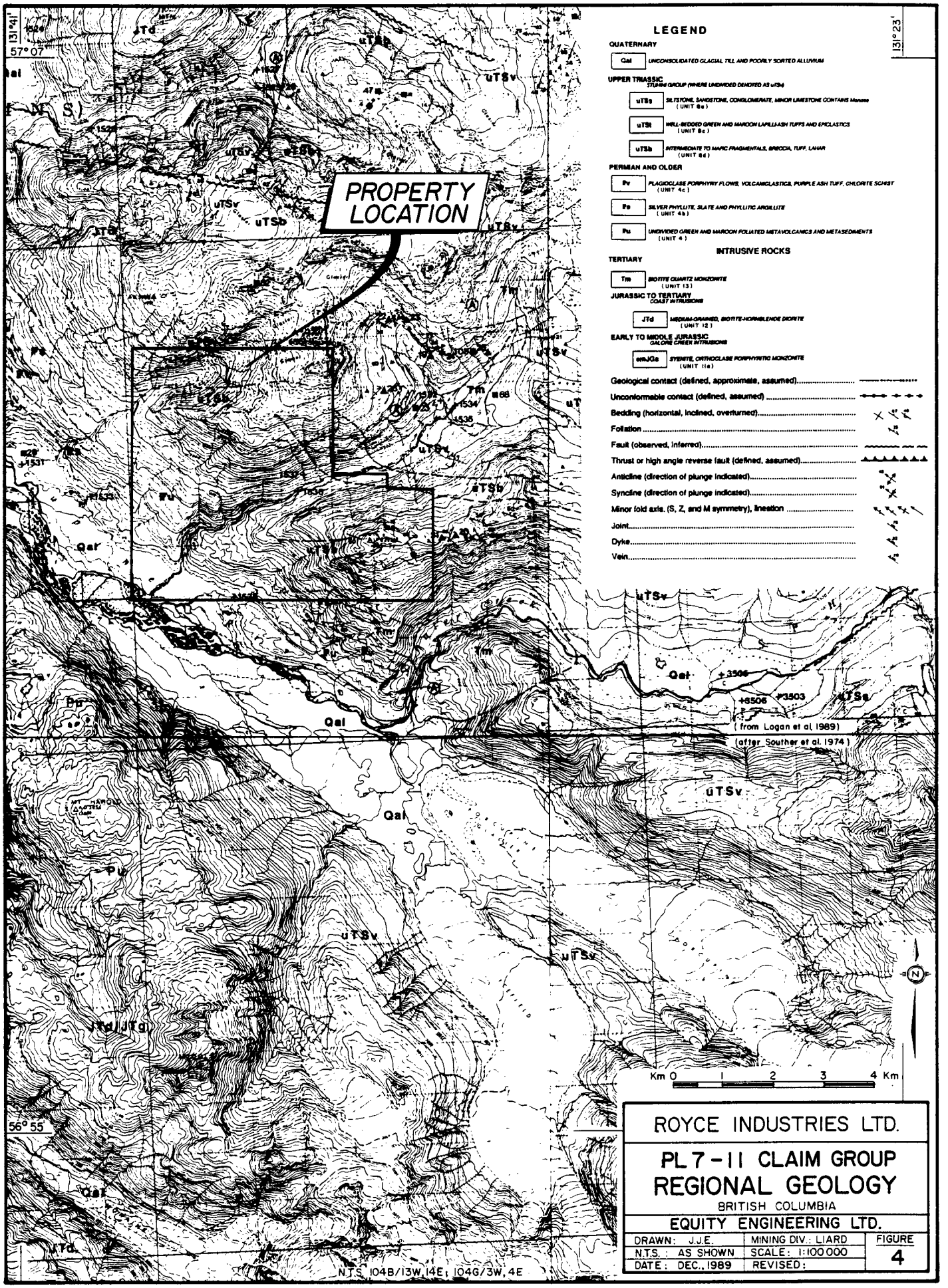

PROPERTY LOCATION
LEGEND
QUATERNARY
Qal UNCONSOLIDATED GLACIAL TILL AND POORLY SORTED ALLUVIUM
UPPER TRIASSIC
STUHINI GROUP (WHERE UNDIVIDED DENOTED AS uTSv)
uTSs SILTSTONE, SANDSTONE, CONGLOMERATE, MINOR LIMESTONE CONTAINS Monotis (UNIT 8e)
uTSt WELL-BEDDED GREEN AND MAROON LAPILLI-ASH TUFFS AND EPICLASTICS (UNIT 8c)
uTSb INTERMEDIATE TO MAFIC FRAGMENTALS, BRECCIA, TUFF, LAHAR (UNIT 8d)
PERMIAN AND OLDER
Pv PLAGIOCLASE PORPHYRY FLOWS, VOLCANICLASTICS, PURPLE ASH TUFF, CHLORITE SCHIST (UNIT 4c)
Ps SILVER PHYLLITE, SLATE AND PHYLLITIC ARGILLITE (UNIT 4b)
Pu UNDIVIDED GREEN AND MAROON FOLIATED METAVOLCANICS AND METASEDIMENTS (UNIT 4)
INTRUSIVE ROCKS
TERTIARY
Tm BIOTITE QUARTZ MONZONITE (UNIT 13)
JURASSIC TO TERTIARY COAST INTRUSIONS
JTd MEDIUM-GRAINED, BIOTITE-HORNBLENDE DIORITE (UNIT 12)
EARLY TO MIDDLE JURASSIC GALORE CREEK INTRUSIONS
emJGs SYENITE, ORTHOCLASE PORPHYRITIC MONZONITE (UNIT 11a)
Geological contact (defined, approximate, assumed)
Unconformable contact (defined, assumed)
Bedding (horizontal, inclined, overturned)
Foliation
Fault (observed, inferred)
Thrust or high angle reverse fault (defined, assumed)
Anticline (direction of plunge indicated)
Syncline (direction of plunge indicated)
Minor fold axis. (S, Z, and M symmetry), lineation
Joint
Dyke
Vein
131°41'
131°23'
57°07'
56°55'
uTSv
uTSb
uTSs
Tm
JTd
Pv
Ps
Pu
Qal
Qar
JTd/JTg
(from Logan et al 1989)
(after Souther et al. 1974)
Km 0 1 2 3 4 Km
N
N.T.S. 104B/13W,14E; 104G/3W,4E
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FIGURE 4

influence sedimentation into the Bowser Successor Basin to the southeast and into the Whitehorse Trough to the northwest (Souther et al., 1974).

Stikinian stratigraphy ranges from possibly Devonian to Jurassic, and was subsequently intruded by granitoid plutons of Upper Triassic to Eocene age. The oldest strata exposed in the Galore Creek camp are Mississippian or older mafic to intermediate volcanic flows and pyroclastic rocks (Map Units 4a and 4c) with associated clastic sediments and carbonate lenses (Map Unit 4b). These are capped by up to 700 meters of Mississippian limestone with a diverse fossil fauna (Map Unit 4d). It appears from fossil evidence that all of the Pennsylvanian system is missing and may be represented by an angular unconformity and lacuna of 30 million years, though field relationships are complicated by faulting (Monger, 1977; Logan and Koyanagi, 1989). Permian limestones (Map Unit 6), also about 700 meters thick, lie upon the Mississippian limestone but are succeeded by a second lacuna amounting to about 20 million years from the Upper Permian to the upper Lower Triassic.

Middle and Upper Triassic siliciclastic and volcanic rocks (Map Unit 7) are overlain by Upper Triassic Stuhini Group siliciclastic (Map Unit 8a) and volcanic (Map Unit 8b, 8c and 8d) rocks, consisting of mafic to intermediate pyroclastic rocks and lesser flows. The Galore Creek porphyry copper deposit appears from field evidence to mark the edifice of an eroded volcanic center with numerous sub-volcanic plutons of syenitic composition. Jurassic Bowser Basin strata onlap the Stuhini Group strata to the southeast of Iskut River but, because of erosion and non-deposition, are virtually absent from the Galore Creek area.

The plutonic rocks follow a three-fold division (Logan and Koyanagi, 1989). Middle Triassic to Late Jurassic syenitic and

broadly granodioritic intrusions are partly coeval and cogenetic with the Stuhini Group volcanics and include the composite Hickman Batholith (Map Unit 9) and the syenitic porphyries of the Galore Creek Complex (Map Unit 11). Jura-Cretaceous Coast Plutonic Complex intrusions (Map Unit 12) occur on the west side of the Galore Creek Camp, along the Stikine River, with the youngest of these intrusions occupying more axial positions along the trend of the Coast Plutonic Complex flanked by older intrusions. The youngest intrusives in the Galore Creek Camp are Eocene (quartz-) monzonitic plugs (Map Unit 13), felsic and mafic sills and dykes (Map Unit 14), and biotite lamprophyre (minette) dykes (Map Unit 14).

The dominant style of deformation in the Galore Creek area consists of upright north-trending, open to tight folds and northwest-trending, southwest-verging, folding and reverse faulting in the greenschist facies of regional metamorphism. Localized contact metamorphism ranges as high as pyroxene hornfels grade; metasomatism is also noted near intrusions. Upright folding may be an early manifestation of a progressive deformation which later resulted in southwest-verging structures. Southwest-verging deformation involves the marginal phases of the Hickman Batholith and so is, at least in part, no older than Late Triassic.

Steeply dipping faults which strike north, northwest, northeast, and east have broken the area into a fault-block mosaic. North-striking faults are vertical to steeply east-dipping and parallel to the Mess Creek Fault (Souther, 1972), which was active from Early Jurassic to Recent times (Souther and Symons, 1974); northwest-striking faults are probably coeval with the north-striking faults, but locally pre-date them. East-west trending faults are vertical or steeply dipping to the north and have normal-type motion on them (i.e., north-side down), whereas northeast-striking faults are the loci of (sinistral) strike-slip

motion (Brown and Gunning, 1989a).

A number of metallic deposit types have been recognized in the Galore Creek camp: porphyry copper ± molybdenum ± gold deposits, structurally-controlled, epigenetic precious metal vein/shear deposits, skarns and breccia deposits (Figure 3). Porphyry copper deposits of this area include both the alkalic Galore Creek copper-gold and calc-alkalic Schaft Creek copper-molybdenum deposits. Galore Creek, which is associated with syenitic stocks and dikes rather than a quartz-feldspar porphyry, is further contrasted from the calc-alkaline Schaft Creek in that molybdenite is rare, magnetite is common and gold and silver are important by-products. The mineralization is clearly coeval and cogenetic with the spatially associated intrusive bodies.

The Sue porphyry copper prospect, centered approximately 1,500 meters east of the PL 9 claim and 1,500 meters north of the PL 11 claim, consists of disseminated pyrite and chalcopyrite in Stuhini Group andesitic tuffs, flows and subvolcanic diorite. Diamond drilling and bulldozer trenching were carried out over an area one kilometer in diameter, with the best hole returning grades in the order of 0.10% to 0.20% copper over its entire 230 meter length (BCDM, 1966). Other porphyry copper occurrences in the Galore Creek area include the Copper Canyon, Bik and Jack Wilson Creek deposits (Figure 3).

Structurally-controlled gold-silver deposits have been the focus of exploration in recent years. The vein/shear occurrences are similar throughout the Galore Creek camp in that they are mesothermal in nature, containing base metal sulphides with strong silica veining and alteration. However, it appears that the intrusive bodies associated with this mineralization fall into two classes on the basis of age and composition. These two classes are reflected in differences in the style of structures, sulphide

mineralogy and associated alteration products. The intrusive types are: 1) Lower Jurassic alkaline "Galore Creek" stocks; and 2) Eocene quartz monzonite to porphyritic granodiorite intrusions. Lead isotope data from the Stewart mining camp (Alldrick et al., 1987) further supports the proposition that separate Jurassic and Tertiary mineralizing events were "brief regional-scale phenomena".

Structures associated with the Lower Jurassic syenites are typically narrow (less than 2.0 meters) quartz-chlorite veins mineralized predominately with pyrite, chalcopyrite and magnetite. Examples of these structures in the Galore Creek camp include many of the discrete zones peripheral to the Galore Creek deposit and the gold-rich veins at Jack Wilson Creek.

The Tertiary mineralization comprises discrete quartz veins and larger 'shear' zones characterized by pervasive silicification, sericitization and pyritization whose total sulphide content is commonly quite low. The quartz veins contain a larger spectrum of sulphide minerals including pyrite, chalcopyrite, pyrrhotite, arsenopyrite, galena and sphalerite. Unlike the Jurassic mineralization, silver grades may be very high. The most fully explored example of the Tertiary mineralization type is the Paydirt gold deposit, located three kilometers east of the PL 9 claim, which is a zone of silicification, sericitization and pyritization of andesitic volcaniclastics (Holtby, 1985). The zone, which is exposed on surface over an area of 100 meters by 25 meters, strikes northerly and dips moderately to the west. Gold mineralization occurs preferentially in intensely silicified and heavily pyritic material rather than with more sericitic alteration. The best diamond drill intersections averaged 5.86 grams gold per tonne over 12.0 meters in hole 85-1 and 10.59 grams gold per tonne over 4.95 meters in hole 85-4 (Holtby, 1985).

Skarns represent a minor percentage of the precious metal-bearing occurrences in the Galore Creek camp. The mineralogy of these deposits could be influenced by the composition of the intrusion driving the hydrothermal fluids, in much the same way as described above for the structurally-controlled deposits. If the invading intrusives are alkalic, the skarn assemblage will be dominated by magnetite and chalcopyrite, as at the Galore Creek deposit and the Hummingbird skarn on the east side of the South Scud River.

The breccia hosted mineralization discovered in the Galore Creek camp precious metal deposits appear to be unique in style and mineralization. Three occurences have been located in the camp: (1) the zinc-silver-gold Ptarmigan zone in the South Scud River area, (2) the copper-molybdenum-gold-silver breccia at the Trek property on Sphaler Creek and (3) the copper-bearing and magnetite breccias of the complex Galore Creek deposit. The single common denominator of each is that the zones are located along fault structures which may represent the main conduit for mineralizing fluids.

6.0 PROPERTY GEOLOGY, MINERALIZATION AND GEOCHEMISTRY

6.1 Geology

Geological mapping on the PL 7-11 claims divided the rocks into eight units ranging in age from Mississipian or older to Tertiary (Figure 5). Mississippian or older metasediments and metavolcanics on the southwestern portion of the property are in fault contact with Upper Triassic Stuhini Group volcanic flows, pyroclastics, volcaniclastic sediments, sediments and a sub-volcanic diorite. Jura-Cretaceous granodiorite of the Coast Plutonic Complex underlies the northwestern corner of the claim

group. All units except the Coast granodiorite have been intruded by Eocene(?) stocks, plugs and dikes which vary in composition from diorite, monzonite and granodiorite through to granite.

Mississipian or older metasedimentary and metavolcanic rocks (Unit 4) underlie approximately 25% of the property in the southwest corner on the PL 7 and 10 claims. Chert, argillite, siltstone, volcanic and volcaniclastic rocks have been penetratively deformed to strongly foliated chlorite and sericite schists. The foliation of these units strikes northwest and dips steeply northeast and southwest and can easily be seen on aerial photographs. The inferred contact between the pre-Permian and younger rocks was located on Figure 5 from these photographs.

Upper Triassic Stuhini Group rocks (Unit 8) underlie approximately 50% of the property, including all of the PL 9 claim, a large portion of PL 11, and parts of PL 7 and PL 10. The Stuhini rocks have been subdivided into four lithological units based on the dominant rock type, comprising agglomerates (Unit 8d), volcaniclastics (Unit 8c), flows (Unit 8b) and sediments (Unit 8a). The volcanics are variable shades of green where they are unaltered and texturally range from aphanitic to medium grained porphyritic.

Unit 8d, mapped on the northern half of the PL 7 and PL 9 claims, is dominantly composed of volcaniclastic agglomerate with sub-rounded to sub-angular clasts. The clast size varies from rare meter diameter blocks to lapilli sized fragments set in a matrix of crystal and ash tuff. The fragments are generally medium- to coarse-grained and appear to be dioritic in composition with 65% feldspars and 35% mafic minerals. Fragments have indistinct epidote altered margins and commonly have intense epidote altered matrix. Within this unit occur beds of finer-grained tuffaceous material with distinct banding and volcaniclastic sediments derived from flows and tuffs. Volcanic

flows and sedimentary rocks within this package appear to be thin discontinuous units. The entire sequence has a basal section of coarse volcaniclastic material which grades upward, to the northeast, into interbedded volcanic flows, minor tuffs and sediments.

On the PL 7 and 9 claims, a band of crystal ash tuff (Unit 8c) is sandwiched within the volcaniclastic agglomerate package. The dark grey to black, microcrystalline to fine-grained crystal ash tuff contains angular crystal detritus up to one millimeter in diameter. In places, a mottled texture is observed due to leaching by hydrothermal fluids.

Unit 8b, a dominantly massive to pyroxene-phyric flow unit, underlies the southern portions of the PL 7 and PL 9 claims, the northern portion of PL 10 and the northern and western sides of PL 11. The flows are generally medium to dark green but the color varies with alteration. The texture of the volcanic flows is aphanitic (occasionally amygdaloidal) or porphyritic with phenocrysts composed of varying proportions of pyroxene and feldspar. Phenocrysts of augite are commonly altered to chlorite and in some cases weather out leaving a pitted surface. A microdiorite with prominent flat jointing has been mapped on the PL 11 claim, south of Split Creek. This diorite, which is difficult to distinguish from the volcanic flows, is believed to be contemporaneous with the Stuhini volcanics and sub-volcanic in nature; it has been included in Unit 8b.

On Split Ridge, a sedimentary package of Stuhini Group rocks (Unit 8a) outcrops on the west side of the PL 11 claim and sporadically on the east side of the PL 10 claim. This unit has limited exposure, likely due to its recessive nature. It is composed of thin bedded, medium to dark gray siltstones, wackes, argillites and carbonaceous argillites. Bedding strikes west to

northwest with shallow southwest dip. The eastern contact appears to be either an intrusive or faulted contact while poor exposure limits definition of the extent of this unit. It is believed that much of the sedimentary package has been altered by a granitic intrusion underlying parts of PL 10 and PL 11.

The southern tip of a granodiorite to tonalite batholith (Unit 12) outcrops in the extreme northwest corner of the property on the PL 7 claim. This body, which forms part of the Jura-Cretaceous Coast Plutonic Complex, is locally gneissic in texture due to intense east-west shearing.

An Eocene biotite quartz monzonite stock (Unit 13) has been identified by Logan et al. (1989b) southeast of the claim group on the south side of Sphaler Creek. Panteleyev (1975) reports a potassium-argon age of 53.5±1.6 million years for this stock. A similar stock, roughly 1,500 meters in diameter, underlies part of the PL 10 and PL 11 claims on Split Ridge. Its composition varies from quartz monzonite to granite with pegmatitic phases identified on its western border. Similarities in composition and textures to the Sphaler Creek stock indicate that it may also be Tertiary in age. A monzonite outcrop located 180 meters southwest of the Legal Corner Post for the PL 7-10 claims may also be Tertiary. This intrusive outcrops along the inferred contact between pre-Permian and Upper Triassic rocks.

Minor dykes and sills of small dimension and likely of Tertiary age are found on the property (Unit 14). They vary between basalt, andesite, lamprophyre and felsite in composition. A biotite lamprophyre dyke on the PL 9 claim strikes 025° for 500 meters.

Within the claim group four types of alteration were noted during the course of mapping. Pervasive epidote-chlorite

alteration is the result of regional greenschist facies metamorphism. On a smaller scale, intrusive contacts, or rocks overlying suspected intrusives, displayed biotite alteration or biotite hornfelsing in sedimentary rock. Iron alteration associated with the hornfels was also noted near the intrusive contact and was highly visible as a rusty gossanous zone. The most intense gossan noted on the property is situated south of Split Creek at the 1000 meter elevation where the granitic intrusion (Unit 12) is in contact with Stuhini sedimentary rocks.

Localized carbonate±silica alteration zones were noted paralleling fault structures on the claim group. Directly south of Mount Scotsimpson, at 1650 meters elevation, a large iron-carbonate and silica altered zone trends 060°. This zone parallels a fault which was observed on the ground and on air photos over a strike length of greater than five kilometers. In the altered zone, the major structures observed were brecciated quartz and carbonate zones which parallel the long axis of the alteration zone and are likely related to the major fault. Smaller structures were noted at other localities on the PL 7-11 claims in which the alteration was similar to the large zone described and are likely fault related.

Sericite-clay-carbonate-silica alteration zones, likely related to tectonic structures, host gold and copper mineralization at the Sue and Paydirt deposits immediately northeast of the PL 7-11 claims. Similar alteration zones were mapped on Split Ridge on the extreme east side of the PL 11 claim, on a drainage 700 meters to the north of this ridge and on the north side of Split Creek in a small drainage at 1300 meters elevation on claim PL 9. Orientation of these zones appears to be north-south with later faulting offsetting the strike.

Four fault directions were observed or are inferred on the PL 7-11 claims. A major lineament which defines the contact between pre-Permian rocks to the southwest and Triassic rocks to the northeast is interpreted to be a major fault. This major fault strikes 310° and is clearly discernible on air photos cross-cutting the property. A monzonite intrusive occupies this lineament at one point along its strike, possibly intruding this zone of weakness.

A second fault set, defined by drainage patterns and ground observation, comprises east-northeasterly faults whose strike ranges from 055° to 060°. Split Creek, Sphaler Creek and North Creek all parallel the east-northeast fault direction. This fault system is marked on the ground south of Mount Scotsimpson by a carbonate altered zone situated on an air photo lineament which can be traced to the southwest over five kilometers.

Mylonitic zones strike east-west across Triassic Stuhini Group rocks and Jura-Cretaceous rocks of the Coast Plutonic Complex. One such mylonitic shear zone was observed cutting east-west across the middle of the PL 7 and 9 claims, and appears related to gold mineralization in the North Creek area.

The fourth fault set is a north-south oriented system observed on all claims. Strike lengths of up to three kilometers are observed as airphoto lineaments. On the PL 11 claim, a north-south fault, in a deep creek cut in the south central portion of the claim, divides Stuhini sediments on the west from Stuhini volcanics on the east. This fault set hosts significant gold mineralization in the Deluxe Zone, a few hundred meters east of the PL 11 claim boundary.

The known and inferred faults on the PL 7-11 claim group are shown on Figure 5. No definite motion indicators have been observed although relative movement of the fault blocks can be

inferred by outcrop lithology.

6.2 Mineralization

A concentration of anomalous rock samples were taken around 1400 meters elevation at the head of North Creek (Figure 6). The area is underlain by Stuhini volcanic and volcaniclastic rocks which host shear zones, quartz veining, alteration zones and disseminated sulphides; all of which which were sampled. Sample #463258, which assayed 75.4 grams per tonne (2.200 ounces per ton) gold without significant silver or base metals, was taken from a shear zone with a schistose texture that hosts finely disseminated pyrite and millimeter scale quartz veins. Approximately two hundred meters north of this structure, three samples (#463262, 463264 and 463265) were taken from a quartz vein with poddy aggregates of pyrite and chalcopyrite, which can be traced intermittently over 170 meters of strike length. Its width varies from 0.5 to 1.0 meters, with an attitude of 304°/90°, and graded up to 1.13 grams per tonne (0.033 ounces per ton) gold with 6390 parts per million copper.

A ten centimeter quartz vein, which strikes 140° and is near vertical in dip, cuts a diorite 250 meters east of sample location 463258. The vein, with up to 3% pyrrhotite and lesser pyrite and chalcopyrite, returned 1780 parts per billion gold in sample #463121. Approximately 1,000 meters further north, on the north boundary of the PL 9 claim, a 1.0 meter quartz vein striking east with vertical dip was traced over a seven meter strike length. Sulphide mineralization in the quartz vein consists of poddy aggregates. A select grab sample, #463254, assayed 2.57 grams per tonne (0.075 ounces per ton) gold with 2.33% copper in sample #463254. Significant results from the North Creek area are summarized in Table 6.2.1.

TABLE 6.2.1

NORTH CREEK SAMPLING RESULTS

SAMPLE	WIDTH (meters)	GOLD (ppb)	SILVER (ppm)	COPPER (ppm)	LEAD (ppm)	ZINC (ppm)
463121	0.05	1780	1.0	387	<2	268
463254	1.0	0.075 opt	32.4	2.33%	<2	168
463258	N/A	2.200 opt	<0.2	208	<2	86
463262	0.5	115	12.4	5070	2	66
463264	0.5	950	16.2	2380	10	56
463265	N/A	0.033 opt	26.0	6390	<2	78

Near the top of the ridge between Split Creek and North Creek, 900 meters south of sample #463258, a five to twenty-five centimeter quartz vein with pods of galena and chalcopyrite trends 104° for five meters. Grab sample #459145, from this vein, returned 91.6 parts per million (approximately 2.7 ounces/ton) silver, with 250 parts per billion gold, 3590 parts per million lead and 1555 parts per million copper.

Stream sediment geochemistry conducted by the government indicated anomalous gold in a small drainage on the north side of Split Creek on the PL 9 claim. Mapping and sampling in the upper reaches of this creek returned anomalous gold values from rusty fracture zones in a diorite intrusive. Sample #447020, taken across 2.0 meters of rusty fractured diorite with elevated pyrrhotite content and millimeter scale quartz stringers, contained 810 parts per billion gold.

On the north slopes of Split Ridge, sample #463041 was taken from a well mineralized quartz float block. It assayed 38.2 grams per tonne (1.114 ounces per ton) gold with 154 grams per tonne (4.49 ounces per ton) silver, 9240 parts per million copper and 208 parts per million bismuth. The source of this float was not discovered although numerous other veins in the area are hosted by sub-horizontal joints in subvolcanic diorite. Above this float, sample #463042 returned 780 parts per billion gold from

disseminated pyrite and pyrite in millimeter-scale stringers within the subvolcanic intrusive.

On the northwest end of Split Ridge, a 1.4 meter wide quartz vein with poddy molybdenite strikes 340° and dips 75° to the east, near the contact between the Tertiary granitic intrusive and Stuhini sediments. Grab sample #447018, of the best mineralization, contained 3040 parts per million molybdenum without other significant base or precious metals. Other quartz float blocks and narrow veins with molybdenum were discovered to the south along strike.

Several samples with significant mineralization were taken from the area underlain by Mississippian and older rocks, clustered around the canyon at the mouth of Split Creek. Sample #463100, taken from a 0.25 meter wide quartz vein which appears to trend 020°, assayed 18.4 grams per tonne (0.536 ounces per ton) gold with 577 parts per million copper and 896 parts per million zinc. A further 170 meters up Split Creek, sample #463096 was taken across a width of 1.0 meter from a system of quartz stringers in a sediment-hosted fracture zone with pyrrhotite, pyrite and chalcopyrite. The zone, with 585 parts per billion gold, strikes 020° and dips 70° to the east. Sample #463097, taken from a parallel zone four meters west of sample #463096, contained 5% pyrrhotite and pyrite and contained 1090 parts per billion gold. Foliated float boulders in the Split Creek canyon also contained significant sulphide mineralization, up to 6.24% zinc. The source of this float may be from the escarpment above. It is interesting to note that to the northwest along the strike of the foliation, zinc anomalies were encountered in stream sediment and soil samples. Table 6.2.2 summarizes significant results from the Split Creek canyon area.

TABLE 6.2.2

SPLIT CREEK CANYON SAMPLING RESULTS

SAMPLE	WIDTH (meters)	GOLD (ppb)	SILVER (ppm)	COPPER (ppm)	LEAD (ppm)	ZINC (ppm)
463096	1.10	585	0.8	412	<2	24
463097	0.50	1090	2.0	468	<2	20
463099	Float	660	1.0	243	8	6.24%
463100	0.25	0.536 opt	3.0	577	<2	896
463110	0.10	310	25.8	2.09%	<2	134

6.3 Geochemistry

Five silt samples were taken from streams draining the PL 7-11 claims during the course of regional geochemical sampling conducted by the federal and provincial geological surveys (GSC, 1988). All but one of these samples exceeded the 80th percentile in gold as calculated for all 1289 samples taken from the Telegraph Creek and Sumdum map sheets. In fact, sample #1537, taken from a creek which drains the PL 9 claim, contained 55 parts per billion gold and 137 parts per million copper, higher than the samples which drain the Paydirt gold deposit further up Split Creek. Folk (1982) reported stream sediment samples from two creeks on the PL 7-11 claims near the Paydirt property. Sample #MX94, taken from the creek which straddles the eastern edge of the PL 9 claim, contained 45 parts per billion gold and 248 parts per million copper. Sample #PJ46, taken from a creek draining north from the PL 11 claim, contained 110 parts per billion gold and 121 parts per million copper.

A total of 61 silt samples were collected from streams draining the PL 7-11 claims during the course of the 1989 exploration program. Twenty-four of these samples had anomalous gold values which equalled or exceeded the 90th percentile in gold from the government survey (GSC, 1988) and three exceeded the 99th percentile.

Anomalous stream sediment samples collected from areas dominantly underlain by Triassic rocks returned most of the gold anomalies. A series of fifteen stream sediment samples were collected from small streams draining the north slopes of Split Ridge. Nine of these samples equalled or exceeded the 90th percentile in gold. The streams drain an area underlain by Stuhini Group sediments, volcanics and subvolcanic intrusives, all of which have been intruded by a Tertiary granitic stock. Gold values ranged up to a high of 780 parts per billion gold in sample #463220, taken from the most westerly drainage sampled in this area. These samples returned less anomalous base metal values with highs of 156 parts per million copper, sixteen parts per million lead, 150 parts per million zinc and 55 parts per million arsenic. Molybdenum values, however, were extremely anomalous, with 12 of these samples exceeding the 99th percentile for the Telegraph Creek and Sumdum map sheets.

Two samples taken further east along the same hillside, from steeply incised creeks draining the northeast corner of the PL 11 claim, returned significant results. Sample #463117 contained 55 parts per billion gold, 60 parts per million arsenic and 20 parts per million lead, each of which exceeds the 90th percentile. Four hundred meters to the east, sample #463118 returned zinc, lead and manganese values above the 99th percentile with arsenic and copper values above the 95th percentile.

Samples #172383 and #459719 were taken from the drainage on the north side of Split Creek previously reported to be anomalous in gold (GSC, 1988). These samples confirmed the government geochemical results with 65 and 50 parts per billion gold respectively. They also returned up to 144 parts per million copper and 35 parts per million arsenic.

Sample #463232, which exceeded the 99th percentile in gold with 245 parts per billion, was taken from a small drainage near the west end of the ridge separating North and Split Creeks on PL 7. In addition, arsenic and copper were both above the 90th percentile, with 35 and 122 parts per million, respectively. This sample was taken immediately below the major easterly-trending inferred shear/mylonite zone which crosses the PL 7 and 9 claims; it may reflect related mineralization.

Two silt samples from North Creek and its tributaries were above the 95th percentile while another sample was above the 90th percentile. Sample #172388, taken from North Creek itself, returned 205 parts per billion gold. Mineralization from the headwaters of this drainage graded in excess of two ounces gold per ton. The other anomalous samples, #172391 and 172386, were taken from the north side of North Creek, from streams which drain the contact between Stuhini Group and Coast Plutonic Complex granodiorite. They returned 125 and 40 parts per billion gold, respectively, without significant silver or base metals.

Fewer anomalous silt samples were collected from areas primarily underlain by pre-Permian rocks. Sample #459710, located approximately 400 meters southeast of the mouth of the Split Creek Canyon, returned 315 parts per billion gold, which was greater than the 99th percentile, and a zinc value above the 95th percentile. This sample drains a small creek which forms part of a prominent northerly trending air photo lineament. A weak gold anomaly with an associated copper value above the 99th percentile was returned from sample #459709, collected in another fault-controlled creek 400 meters further east.

West of Split Creek, silt samples #463033 and #463038 returned zinc and arsenic values above the 95th percentile, probably reflecting zinc mineralization similar to the float sample with

6.24% zinc taken a few hundred meters east in Split Creek.

The soil sampling program on the PL 7-11 claims was designed to search for new occurrences in areas of poor outcrop exposure and favorable geology and alteration. A total of 183 soil samples were taken from four reconnaissance soil lines. Table 6.3.1 summarizes the 90th, 95th and 99th percentiles values for the significant elements, as calculated from these samples. Values above the 90th percentile are considered anomalous and have been plotted on Figure 6. A correlation matrix for the results indicates a strong positive correlation between arsenic and gold.

TABLE 6.3.1

ANOMALOUS LEVELS FOR SOIL GEOCHEMISTRY

PERCENTILE	GOLD (ppb)	SILVER (ppm)	COPPER (ppm)	LEAD (ppm)	ZINC (ppm)	ARSENIC (ppm)
90th	50	1.2	112	20	135	17
95th	80	1.4	130	29	150	29
99th	395	2.5	156	80	209	61

Contour soil line Hig 1 was established at the 1300 meter elevation on the slope north of Split Creek, over a clay-sericite alteration zone similar to those hosting the Sue and Paydirt deposits. This line returned generally low geochemical values for all elements. The only anomalous gold value was 95 parts per billion at station 5+50.

Contour soil line Hig 2 was established downslope from Hig 1 to investigate the anomalous gold stream sediment value reported in the National Geochemical Reconnaissance (GSC, 1988). The eastern portion of this line displays slightly elevated copper, zinc, cobalt and manganese values. Station 1+50 returned 50 parts per billion gold, 149 parts per million copper and 144 parts per million zinc. At station 6+50, a 120 parts per billion gold anomaly is not associated with other anomalous elements.

Contour soil line Hig 3 was designed to test an area of thick vegetation and little exposed outcrop on the southern flank of Split Ridge. Seven samples with more than 50 parts per billion gold were taken, generally associated with elevated arsenic, lead and nickel values. The maximum values for arsenic and lead, 135 and 345 parts per million respectively, were returned from station 16+75, which also contained 395 parts per billion gold. Copper and zinc values were relatively low for this soil line, with highs of 115 and 178 parts per million respectively.

Soil line PLH was established in an attempt to detect a source for the zinc mineralization found in float in Split Creek. The line was oriented at azimuth 030° in order to crosscut the trend of foliation in the pre-Permian rocks. Zinc anomalies were located at stations 5+00N, 5+50N and 5+75N, each with greater than 200 parts per million zinc. Gold values of 50 parts per billion or greater were encountered at stations 1+50N, 2+50N, 5+25N and 9+50N.

7.0 DISCUSSION

The PL 7-11 claims are still at an early stage of exploration; however, the preliminary data are very encouraging. The 1988 program was successful in outlining three areas of significant gold-bearing mineralization and geochemistry: North Creek, Split Creek Canyon and Split Ridge areas. Each area is distinctive in the type of associated sulphide minerals and host rocks to the mineralization.

Several gold occurrences were discovered in Stuhini Group volcaniclastics in the North Creek area. Significant gold values were found in both silicified shear zones and in discrete quartz-sulphide veins. A grab sample of the shear-style mineralization, which assayed 2.200 ounces per ton gold, contained less than one

percent pyrite and very low silver and base metal values. The shear zone parallels a major east-west mylonitic zone that has an inferred strike length of three kilometers and associated silt anomalies. The quartz veins, mineralized with pyrite and chalcopyrite, are narrow but have been traced up to 170 meters along strike. Two of these quartz veins returned assay values of 0.075 and 0.033 ounces per ton gold.

The Split Ridge area has responded positively in both soils and silts for gold geochemistry. Ten of the eighteen silt samples taken from streams draining the north side of the ridge contained gold values greater than 30 parts per billion (90th percentile for the National Geochemical Reconnaissance survey), including one sample which ran 780 parts per billion gold. The silt samples from the west end of the ridge, draining a Tertiary stock, are anomalous in molybdenum whereas those to the east are higher in lead and zinc. The soil line on the south side of the ridge contained a number of gold and arsenic anomalies with maximum values of 740 parts per billion gold and 135 parts per million arsenic. A float sample of quartz vein material, on the north slope, assayed 1.114 ounces per ton gold and 4.49 ounces per ton silver with almost one percent copper. The source of this float has not yet been found.

On the south flank of Split Ridge, a few hundred meters east of the PL 11 claim line, significant gold mineralization has been found within discrete quartz-sulphide veins and intensely silicified and pyritized volcanics in the Deluxe Zone. The mineralization is controlled by a prominent northerly trending fault structure, flanked by recessive-weathering sericitization. Soil geochemistry will prove very useful on Split Ridge to investigate its potential for similar mineralization within recessive areas.

A gold-bearing quartz vein assaying 0.536 ounces per ton gold with weakly anomalous copper and zinc was found in the Split Creek Canyon area. Other rock, silt and soil samples indicate that the pre-Permian metamorphic units in the Split Creek area are anomalous in zinc and gold. The potential of these pre-Permian-hosted occurrences is not clear, as no significant mineralization has yet been found in pre-Permian rocks elsewhere in the Galore Creek camp.

The mineralization and associated alteration found to date on the PL 7-11 property resembles mineralization at the Paydirt deposit, located three kilometers east of the property and in the Deluxe Zone on the Wiser III claim, located within 500 meters of the eastern boundary of the PL 11 claim. The North Creek shear-hosted gold occurrence is similar to the Paydirt and the Deluxe mineralization where gold occurs in a larger silicified fault structure with low base metal and silver values. The quartz veins have higher sulphide concentrations and elevated silver and base metal values, resembling the high grade veining within the Deluxe Zone. Both types of gold occurrences are related to a Tertiary mineralizing event contemporaneous with the emplacement of the molybdenum-bearing Eocene intrusives.

The PL 7-11 property has demonstrated favourable underlying geology and alteration, similar to that hosting most major precious metals occurrences in the Galore Creek district. Several newly-discovered gold-bearing mineral occurrences and highly encouraging initial geochemical results from the property, coupled with the exploration successes achieved throughout the Galore Creek, Iskut River, Sulphurets and Stewart districts in the past few years, provide abundant incentive to conduct further exploration work on the PL 7-11 claims.

Respectfully submitted,
EQUITY ENGINEERING LTD.

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December, 1989

APPENDIX A

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APPENDIX B

ROCK SAMPLE DESCRIPTIONS

AS	Arsenopyrite	KF	Potassium Feldspar
AZ	Azurite	LI	Limonite
BI	Biotite	MC	Malachite
CA	Calcite	MG	Magnetite
CB	Carbonate	MO	Molybdenite
CL	Chlorite	MS	Sericite
CP	Chalcopyrite	MU	Muscovite
CY	Clay	PO	Pyrrhotite
DO	Dolomite	PY	Pyrite
EP	Epidote	QZ	Quartz
FE	Iron	SI	Silica
GL	Galena	SP	Sphalerite

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Geochemical Data Sheet - ROCK SAMPLING

NTS 104G/4E

Sampler J. Lehtinen | Project HIG 89-01 | Location Ref Split Creek

Date Sept. 22/89 | Property PL 7-11 | Air Photo No

All plane measurements use Right Hand Rule

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION: Rock Type	DESCRIPTION: Alteration	DESCRIPTION: Mineralization	ADDITIONAL OBSERVATIONS	ASSAYS: Au ppb	Ag ppm	As ppm	Cu ppm	Pb ppm	Zn ppm
447015	e 945m N 6,323,180 E 344,785	Grab	1.0m	Sediments	BI Hornfels	PO - 5%	-Near minor fault.	90	0.4	35	111	40	222
447016	e 995 m N 6,323,240 E 344,790	Float		Sediments	BI Hornfels	PO - <5%		40	0.2	150	175	6	80
447017	e 1010 m N 6,323,270 E 344,790	Float	20cm	Sediments ± intrusive	BI Hornfels	MO	- Large Blocks from gully wall	50	0.6	70	71	18	28
447018	e 975 m N 6,324,360 E 344,380	Highgrade Grab	1.4m / 1.4m	Quartz Vein	-	MO	1.4 m vein width → very erratic. Pod of MO mineralization taken as a highgrade grab sample.	10	1.2	45	6	26	12
447019	e 1140m N 6,326,050 E 343,515	Grab	1.0	Diorite		PO 7%		350	<0.2	15	140	2	46
447020	e 1190 N 6,326,115 E 343,500	Grab	2.0	Diorite	CY-weak	PO	minor qtz stringers <3 cm	810	0.8	35	199	2	88
447021	e 1350 N 6,326,370 E 343,505	Grab	2.0	Volc? or Intrusive		PY 3%		45	<0.2	30	37	12	28
447022	e 1900 N 6,327,375 E 343,725	Chip	0.6 / 0.6	Quartz Vein		PO (tr.)	Hosted in pyroclastic-tuff + sediment package	185	2.4	10	179	524	568
447023	e 1915 N 6,327,390 E 343,736	Grab	1.5	Tuffs, Sediments	SI	PO 5%		<5	0.6	25	139	26	118
447024	e 1743 N 6,327,140 E 343,360	Float		Volcaniclastic	Weak SI + CY	PY 3%		55	<0.2	10	116	8	14
447036	e 158 N 6,324,410 E 341,485	Grab	15cm	Sediments	BI	PY, CP (3%)	- mineralization occupying fracture zone oriented 060/90	350	3.8	30	710	682	2060
447037	e 175m N 6,324,440 E 341,340	Float		foliated metasediments	SI, foliated w/ BI	PY, PO, CP (6%)	Numerous float blocks in talus gully	50	1.2	20	975	40	464
447038	e 210 m N 6,324,485 E 341,340	Grab	1.0?	Sediments?	Intense CB Weak SI	PY, PO (3%) CP (tr)	- Common fracture set = 050/87	<5	<0.2	20	142	6	120
447039	e 338 N 6,324,655 E 341,410	Grab	2.0	Diorite?	Strong SI Weak CY	PY <1%	5 m bleached altered zone with py as fracture fill	<5	<0.2	<5	43	4	96
447040	e 1475 m N 6,326,820 E 342,870	Float		Volcanic	MS Minor SI	PY (5-10%)	- Large float blocks of altered volc. Vein material with chalcopyrite (veins not sampled, <5 cm) - Source of float ± 15 m up h.ll	20	0.2	5	130	8	42

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EQUITY ENGINEERING LTD.

Geochemical Data Sheet - ROCK SAMPLING

NTS 104G/14E

Sampler R. COURNOYER | Project HIG-89-01 | Location Ref Split Creek

Date SEPT 23 - 25, 1989 | Property PL 7-11 | Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION: Rock Type	DESCRIPTION: Alteration	DESCRIPTION: Mineralization	ADDITIONAL OBSERVATIONS	ASSAYS: Au ppb	Ag ppm	As ppm	Cu ppm	Pb ppm	Zn ppm
459141	6326110N 343100E	GRAB o/c		mafic pyrle	CY	diss PY (2%)	elev: 1240m - pale grey massive - o/c in gully.	30	<0.2	<5	68	4	8
459142	6326140N 343080E	"		mafic pyrle	CY	diss PY (2%)	elev 1260m - pale grey foliated fabric - hosted in fine grained pyrle with diss epidote	10	<0.2	<5	16	2	12
459143	6326220N 343020E	"		mafic pyrle	CY	diss PY (2%)	elev 1310m - pervasive py zone same as 141-142	<5	<0.2	5	15	12	50
459144	342580E 6326080N	"		mafic pyrle	CY	diss PY (5%)	elev 1290m - same type as 141->143 288°/52° pyrle - occurs at the edge of a shear zone	70	<0.2	<5	45	<2	44
459145	342500E 6325900N	"	5-25cm	quartz vein	—	CP (tr) GL (tr)	elev 1280m - quartz crystals - 5m long exposed - vuggy with limonite - trend 284°	250	91.6	5	1555	3590	120
459146	342500E 6325900N	frost heaved		granitic? breccia	FE CB strong	—	elev 1260m - limonite stained fragments completely alt.	85	0.4	<5	28	80	66
459147	345820E 6324080N	GRAB o/c	3m	mafic pyrle	CY	diss PY (1-3%)	elev: 1230m pyrle phillites Trend 172°	<5	1.2	40	64	76	26
459148	345850E 6324160N	"	5cm	QUARTZ POD	—	—	elev: 1210m - white quartz hosted in fracture	<5	<0.2	<5	6	4	22
459149	345880E 6324160N	"		mafic pyrle	weak CB	diss PY (tr)	elev: 1210m dark green. 10m away from #148	5	<0.2	35	41	52	1175
459150	345780E 6324140N	"	70cm	mafic pyrle	CY	diss PY (1%)	elev 1220m - shear Trend 166°	<5	1.8	45	29	72	90
463501	6323760N 345720E	"	25cm	mafic pyrle?	QZ - CB	diss PY (1%)	elev: 1180m - shear 25cm wide exposed may be wider	<5	<0.2	20	84	6	52
463502	342660E 6326440N	Grab/oc	20cm 1-8cm	Quartz carbonate	CL		1480m elev, hosted in mafic volcanics; 324°/58° NE	30	<0.2	<5	8	2	10
463503	"	Grab/oc	1.0m 1-5cm	Quartz-carbonate vein		cp-trace	1485m elev, hosted in mafic volcanics: 324°/58°: different vein	190	6.8	<5	2580	2	92
463504	343120E 6326700N	Grab/oc	20cm 1-5cm	Quartz-carbonate vein		MC trace	1550m elev; hosted in mafic volcanics; fracture filling	15	1.4	<5	999	4	12
463505	343600E 6326980N	Grab/oc	10cm 1-2cm	Quartz carbonate vein	CL, CB	PY	1650m elev; fracture filling in mafic volcanics	<5	<0.2	<5	30	4	108

Sept 23

Sept 25

EQUITY ENGINEERING LTD.

Geochemical Data Sheet - ROCK SAMPLING

NTS 104G/4E

Sampler Catherine Ridley | Project HIG-89-01 | Location Ref Split Creek

Date Sept 22-23/89 | Property PL 7-11 | Air Photo No

→ Sept 22 1989

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au ppb	Ag ppm	As ppm	Cu ppm	Pb ppm	Zn ppm
459848	342620 E 6327650 N	Grab o/c	vein <1cm	Andesite-Diorite	QZ vein EP ± CB	<1% PY	Quartz veins < 1cm wide; strike 288 shallow dip to N 1250m elv.	5	<0.2	5	375	4	80
459849	342630 E 6327740 N	Grab o/c		Andesite-Diorite	EP (Saussuritized)	≤ 2% PY	Diss. py + Fracture Fillings 1260m elv	<5	<0.2	5	34	<2	26
459850	342540 E 6327940 N	Float Grab	N.A. N.A.	L-S Schist	CL, EP	PO, PY	taken at nose of glacier 1250m elv.	65	<0.2	5	79	10	46
463251	"	Float	4cm	Mafic volcanic	CL, QZ veins	CP, PY, MC in blebs; <1%	taken at base of glacier: From large boulder o/c 15 m upslope from float 1260 elv	<5	3.4	<5	3200	<2	58
463252	342500 E 6327975 N	Float		Andesite-Diorite	EP	Py, PO 2-3%	Possibly Arsenopyrite (Garlic smell) 1260 elv	<5	<0.2	<5	39	<2	22
463253	342360 E 6328000 N	Grab o/c	Veins <1cm	Andesite (?)	CB veins CL, EP	trace PY	Anatamosing Fractures; pyrite in host + vein; dip/strike 76°/030	<5	<0.2	<5	78	<2	52
463254	342,195 E 6327890 N	Grab o/c	1m.	Mafic Volcanic		CP, MC, AZ 2%;	mostly barren milky qtz; pod-like mineralization ~ 1% over full width trends due E; 7m long 1150m elv almost vertical	3170	32.4	15	2.33 %	<2	168
463255	342250 E 6327660 N	Float		Mafic Volcanic	CL	Euhedral Py; xls 1-3mm	in creek; fresh + blocky; (probably not transported far) 1100m elv	125	2.6	15	921	<2	2.07 %
463256	342280 E 6327780 N	Grab o/c		Mafic Volcanic	MS, CL	1% or less PY	Calcite veins appear later than PY mineralization in host 1140 elv	20	<0.2	15	49	4	374
463257	342585 E 6326730 N	Grab o/c	2-3cm	Mafic (Intermed) Volcanic	QZ veins CL, EP?	py > 1%	strike length ~15m on surface, folded + faulted 1415 elv	15	<0.2	15	73	<2	82
463258	342440 E 6326780 N	"	— —	Int/Mafic Volcanic	SI, CL	PY ≈ 1%	silicified + pyritized shear zone 1360m elv	2.200 oz/T	<0.2	<5	208	<2	86
463259	342460 E 6326820 N	Grab/oc			SI, BI, MS	PY, PO	1355 m. elev. dissem py + vein pyrite near dolomite-calcite vein	30	<0.2	15	183	<2	76
463260	342460 E 6326820 N	Grab/oc	4cm	Mafic V.	PO, CA vein BI	—	1355m. elev. Vein (calcite + dolomite) next to #259	110	<0.2	<5	49	2	18
463261	342460 E 6326820 N	Grab/oc	4m x 2m	Mafic V.	CL, EP	PY, PO > 1-2 %	1355 m. elev. Epidote vein breccia w/ sulphide in veinlets: trends N-S dips E	40	<0.2	30	300	<2	134
463262	342490 E 6326840 N	Grab/oc	0.5-1.0m	Quartz vein		MC, CP, PY (<1% CP)	1360 m. elev. ? barite (good heft to rock) Sucrosic Quartz, vuggy pyrite chalco 304°/90°	115	12.4	<5	5070	2	66
463263	342390 E 6326920 N	Grab/oc		Mafic V.	CL, EP, BI ± SI	PO, PY total, 2%	1310m. elev. Sulphide confined to fracture fillings; epidote veining	420	<0.2	<5	334	<2	74
463264	342390 E 6326920 N	Grab/oc	0.5m	Quartz Vein Mafic V.	BI, CL	CP, MC (<1/2)%	1300m. elev. Continuation of #262 Vivanite found on either sides of dyke ~~ramaphyre~~	950	16.2	<5	2380	10	56
463265	342370 E 6326920 N	Grab/oc	—	Mafic V.	MS, CL	CP, MC (tr)	1300m. elev. Milky Qtz/Sericite vein w/ vugs (Boxwork)		26.0	5	6390	<2	78

EQUITY ENGINEERING LTD.

Geochemical Data Sheet - ROCK SAMPLING

Sampler M. ARCHAMBAULT
Date SEPT 22 TO 29/89

Project HG-89-01
Property PL 7-11

NTS 104 G/4E
Location Ref Split Creek
Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au ppb	Ag ppm	As ppm	Cu ppm	Pb ppm	Zn ppm
463 010	6 323 920N 344720E	GRAB O/C		ARGILLITE	—	—	elev 1340m fractured rusty weathering - pervasive	90	20.2	175	23	<2	660
463011	6 323840N 344625E	"		MONZONITE?	—	FINE GR. DISS PY <1%	elev 1265m rusty weathering	<5	20.2	55	44	<2	100
463012	6 323 765N 344595E	FLOAT	25cm	QUARTZ	—	?	elev 1255m in talus - frost heaved limonite in cavities - rusty stain white quartz with large crystals	<5	3.2	110	265	352	2690
463013	6 323 765N 344595E	GRAB O/C		CALCAREOUS ARGILLITE	CY LI	DISS PY=TR	elev 1255m - same location as # 012. FRACTURE TREND 134° part of a large possom 50x100m	25	0.8	55	340	24	102
463014	6 323 755N 344 610E	GRAB O/C		GRANITE ?	SI	DISS PY 1%	elev 1260m - possible border phase of granite mottled black and white tail contact with calcareous pods	30	2.6	35	347	80	38
463015	6 324 070N 344 025E	FROST-HEAVED	>25cm	WHITE QUARTZ		MO < 0.5% DISS	elev 1170m Located in strong lineament	20	<0.2	15	6	4	20
463016	6 324 040N 344 025E	"	>20cm	WHITE QUARTZ		PY PODS ≈ 2% MO = DISS = TR	elev 1180m Located in same lineament as #015 - Py located in a 5cm wide band at the edge of the vein	10	1.6	95	127	10	12
463017	6 324 010N 344 430E	"	>20cm	WHITE + GREY QUARTZ		PY = 15% AS = TR	elev 1190m - rebrecciated qtz contains py pods + diss py.	20	0.8	10	5	18	12
463018	6 323 795N 344 465E	"	>15cm	WHITE QUARTZ		—	elev 1220 large crystals - vuggy - rusty weathering looks more like # 012.	10	1.8	130	29	14	14
463019	6 323 870N 344 300E	GRAB O/C	>10cm	WHITE QUARTZ		—	elev 1150m TREND 326/75 dolomite patches - rusty weathering	<5	0.2	<5	36	4	18
463020	6 323 895N 344 290E	FROST HEAVED	>40cm	WHITE QUARTZ		—	elev 1135m same as #018 - rusty weathering	<5	0.4	5	16	4	6
463021	6 324 015N 344 260E	"	>20cm	WHITE QUARTZ			elev 1100m - rusty weathering same as #019-020.	<5	0.4	<5	5	<2	4
463022	6 324 120N 344 300E	GRAB O/C	40cm	WHITE QUARTZ		MO = 2% PY = 3%	elev mineralization in blebs in a 10cm band along east contact located in granite - exposed for 1m	<5	1.6	<5	53	4	10
463 023	6 324 255N 344 380E	"	40cm	WHITE QUARTZ		MO = tr	elev 1105 m exposed for 1m located in granodiorite	25	0.4	<5	4	<2	<2
463034	6 324 520N 340 320E	"		SCHISTOSE	Moderate SI	PY < 1%	elev 240m schist 130/60 rusty weathering	140	0.6	15	8	18	94
463037	6 324 505N 340 690E	"		SCHISTOSE	--	PY = tr	elev 1355m - minor limonite east of strong lineament	25	<0.2	5	64	<2	68

EQUITY ENGINEERING LTD.

Geochemical Data Sheet - ROCK SAMPLING

NTS 104G/4E

Sampler M. ARCHAMBAULT | Project HG89-01 | Location Ref Split Creek

Date Sept. 30 To Oct | Property PL 7-11 | Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION: Rock Type	DESCRIPTION: Alteration	DESCRIPTION: Mineralization	ADDITIONAL OBSERVATIONS	ASSAYS: Au ppb	Ag ppm	As ppm	Cu ppm	Pb ppm	Zn ppm
463040	6 324 690N 344 610E	FLOAT		mafic volc w/ lite quartz	CL	diss py < 1%	elev 825m - Possible grd garnets angular blocs - several pyrite is weathered out → pruggy	<5	0.2	5	188	<2	16
463041	6 324 660N 344 625E	FLOAT			—	diss py = 10% cp = trace	elev 850m - 1 angular bloc 30 x 20 x 10 cm	1.114 oz/T		15	9240	236	126
463042	6 324 545N 344 665E	GRAB o/c		foliine gbined diorite	—	diss py = 1%	elev 910m — rusty weathering minor py in basilinic veinlets	780	0.8	<5	113	6	72
463043	6 324 540N 344 670E	"	≈ 20cm	White quartz vn.	—	diss po blebs ≈ 1%	elev 960m - exposed in creek for 1m trend approx. 50°	40	0.8	20	402	<2	26
463044	6 324 320N 344 740E	"	> 40cm	White quartz vn.	—	diss po blebs ≈ 15% cp = trace	elev. 1025m attitude: pink - horizontal	160	1.4	15	299	2	32
—													
463045	6 324 900N 344 600E	"	5cm 20cm	White quartz v.	—	py = trace	elev 680 - attitude = pink - horizontal 2 veins 5cm apart	380	3.6	25	17	18	28
463046	6 324 525N 344 670E	"		fine gr. diorite	BI, SI	diss py: 5%	elev 925 - contains 20% quartz - poorly exposed in creek bed.	15	<0.2	<5	214	2	62

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Geochemical Data Sh[illegible] - ROCK SAMPLING

NTS 104G/4E

Sampler Kika Ross

Date Sept. 22/89
Sept. 24/89

Project HLG 89-01

Property PL 7-11

Location Ref

Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION: Rock Type	DESCRIPTION: Alteration	DESCRIPTION: Mineralization	ADDITIONAL OBSERVATIONS	ASSAYS: Au ppb	Ag ppm	As ppm	Cu ppm	Pb ppm	Zn ppm
463110	6324020 N 345330 E	Grab O.C.	10cm / 10cm	Quartz Vein	SI	CP - 3%	elev. 1220m, vein strikes 183°/50°, hosted in basalts, high graded	310	25.8	<5	2.09 %	<2	134
463111	6324010 N 345600 E	Grab. O.C.	1.0m / ~9 m	Altered Basalt	CY	–	elev. 1260m, foliation 278°/80°, black surface stain, rusty weathering	<5	<0.2	<5	330	10	220
463112	6324090 N 345650 E	Grab O.C.	2.0m / ~5m	Altered Basalt	CY	PY - 1%	elev. 1225 m, pale grey - bleached, rusty weathering, very fine pyrite	130	3.0	20	103	24	28
463115	6324 140 N 345070 E	Grab O.C.	0.5m / ?	Biotite Granodiorite	–	PY 1-2%	elev. 1210 m, slightly calcareous, intruded into basalts	160	<0.2	<5	18	<2	48
463119	6324690 N 345570 E	Grab O.C.	2.0m / 1.m	Altered Volcanic	CY	PY 1-2%	elev. 910m, highly altered, very rusty, foliation E-W	5	2.4	20	79	124	100
463120	6324070 N 346150 E	Grab O.C.	2.0m	Altered Volcanics	SI, CY	PY - 10%	elev 1210m., very rusty, cut by an intermediate dyke striking N-S	35	2.6	55	95	106	128
463121	6326800 N 342680 E	Grab O.C.	3.0m / 5-10cm	Quartz Vein	SI	Py - 3% PY - trace	elev 1420m, hosted in dioride strike 140°/88°	1780	1.0	<5	387	<2	268
Derek Roulston		Sept 22/89		PL7-11									
459871	343 680 E 6326950N.	Grab/oc	3cm	Volcanics		PY	<1% py-dissem in volcanics	20	<0.2	20	95	8	74
459872	343 350E 6326680N	Grab/oc	2m	volcanics	CL	PY	<1% py-dissem. in volcanics	35	0.2	50	63	<2	56
459873	342 430 E 6326760 N	Grab/oc	4m	Volcanics		PY	<1% py - dissem. in volcanics	60	1.2	85	249	2	78
459874	342 480 E 6326630N	Grab/oc	10m	Volcanics		PY (<1%)	- sample of small (2cm.) py vein; PY - dissem in volcanics	25	<0.2	<5	281	16	76

EQUITY ENGINEERING LTD.

Geochemical Data Sheet - ROCK SAMPLING

NTS 104 G /4E

Sampler D Cosgrove | Project HIG 89-01 | Location Ref Split Creek

Date Sept 24 - | Property PL 7-11 | Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au ppb	Ag ppm	As ppm	Cu ppm	Pb ppm	Zn ppm
463222	6325780 N 342770 E	Grab O.C		diorite	—	Py - tr.	elev. 1143m, fine grained, fresh	<5	<0.2	10	66	2	96
463225	6325760 N 342680 E	Grab O.C		Granodiorite + mafic volc.	—	—	elev. 1133m	<5	<0.2	5	15	<2	74
463227	6325740 N 342600 E	Grab O.C		Mafic volc.	—	Py veinlet <<1%	elev. 1137m. chloritic, med.-grained, dark green	<5	<0.2	<5	154	<2	48
463228	6325740 N 342520 E	Grab O C.		Mafic Volc.	CB, CL - weak	Py - tr.	elev. 1140m, network of CA? stringers, hairline - 2mm wide, chlorite patches	<5	<0.2	<5	153	<2	106
463231	6325590 N 342300 E	Float.		quartz	—	—	elev. 1020m, brownish grey qtz.-chlorite stringers	<5	<0.2	<5	46	2	14
463233	6326210 N 341970 E	Grab O C.	2m	quartz	—	Py - tr.	elev. 1234m, 2m qtz pods in chlorite schist, chlorite in qtz fractures trend 6°/55°	<5	<0.2	<5	23	8	44
463234	6325900 N 342370 E	Grab O.C.	15-30cm	quartz	—	Cp < .5% Py - tr.	elev. 1237m, exposed for 3m, hosted in mafic rock	85	3.2	10	1405	<2	42
463235	6323710 N 343390 E	Grab O.C.		mafic Volc.?	SI	Py 1% diss + bleb.	elev. 621 m, host rock to qtz. vein hornfelsed (* 36 ↑)	<5	<0.2	25	152	<2	70
463236	6323710 N 343390 E	Grab O.C	60cm	quartz-calcite	-	Py - tr bleb.	elev. 621m, 1.5m long, white massive qtz, 144°/67° W	<5	<0.2	<5	23	2	10
463238	6323660 N 343350 E	Grab O.C.		Mafic Volc.-?	SI	Py 1-2% diss + stringer	elev. 585m., hornfelsed, layers (?) subparallel to creek bed	<5	<0.2	15	50	<2	38
463239	6323680 N 343340 E	Float.		mafic volc.?	-	Py 1% diss.	elev. 585m, hornfelsed, rusty weathering, several similar angular boulders in this area	<5	<0.2	25	92	6	52

EQUITY ENGINEERING LTD.

Geochemical Data Sheet - ROCK SAMPLING

NTS 104 G/4

Sampler D COSGROVE | Project HIG 89-01 | Location Ref SPLIT CREEK

Date Sept 26, 1989 | Property PL 7-11 | Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au ppb	Ag ppm	As ppm	Cu ppm	Pb ppm	Zn ppm
463241	6323660N 343340E	GRAB g/c		schist Granite?	BI	diss PY (1-2%)	elev: 1920 ft. feldspar - sheared	<5	0.2	<5	89	<2	38
463242	6323660N 343330E	"		mafic vole?	QZ, CB	diss PY (tr.)	elev: 1880 ft feldspar - cleavages	<5	<0.2	25	47	12	146
463243	6323640N 343310E	"		mafic vole	Weak SI	diss PY (tr)	elev: 1830 ft - partly bleached	115	0.2	10	258	<2	28
463244	6323640N 343310E	"	15 cm	quartz v.		diss PY (tr)	elev. 1820 ft. hosted in mafic vole.	30	<0.2	<5	69	<2	18
463245	6323600N 343280E	"	2 m	quartz v.	QZ	—	elev: 1780 ft 33°/67 W - hosted in mafic v	<5	<0.2	<5	15	<2	14
463247	6323590N 343260E	"		schist mafic vole?	CY, BI	diss PY (<1%)	elev: 1720 ft schist - completely altered	10	<0.2	<5	263	<2	42
463248	6323590N 343260E	"		quartz v.		diss PY (tr)	elev: 1710 ft hosted in mafic vole.	<5	<0.2	<5	35	8	30
463249	6323570N 343240E	"		schist mafic vole	BI, CL	diss PY (<1%)	elev 1600 ft	<5	<0.2	<5	217	<2	58
463601	6323180N 342800E	"		pegmatite		CP (tr)	elev: 830 ft - hosted in mafic vole orthoclase, muscovite, sericite quartz	<5	<0.2	<5	32	14	20

EQUITY ENGINEERING LTD.

Geochemical Data Sheet - ROCK SAMPLING

NTS 104G/4E

Sampler Catherine Ridley | Project HIG 89-01 | Location Ref Split Creek

Date Sept 1989 | Property PL 7-11 | Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au ppb	Ag ppm	As ppm	Cu ppm	Pb ppm	Zn ppm
463266	342320 E 6326650N	Grab/oc	20cm / 20cm	QZ vein in Mafic V.	CL, MS	CP << 1%	1325m elev: mineral in vein and host; 1m. long; vein mostly barren strike 136°/48°E	115	0.2	<5	162	2	22
463267	342320 E 6326650N	Grab/oc	0.5m	Mafic V.	SI, EP, CL	1% PY	1325m. elev 2.5m W of #266; diss pyrite + fracture filling; brecciated @contact w/diorite	20	<0.2	5	230	<2	102
463268	342320 E 6326650N	Grab/oc	- / -	hosted in Mafic V.	CB breccia (garnet weathr)	<< 1% PY	Adjacent to #267 N-S trending	<5	<0.2	<5	15	<2	58
463269	341880 E 6327440N	Grab/oc	- / -	Mafic V.	QZ, CL	PO, PY, MG	915 m. elev. unusually magnetic	<5	<0.2	5	24	14	84
463270	341790 E 6327330 N	Grab/oc		Mafic V.	CL, QZ > CA veins	trace CP " PY	870 m. elev. Foliated w/ qtz veining possibly pyrrhotite; weakly magnetic	35	<0.2	<5	99	<2	22
463271	341790 E 6327330N	Grab/oc	15cm	Quartz vein	CL, QZ, CA	trace sulphides	870m. elev. host - Mafic V.; 2m. below #270;	100	<0.2	10	3	<2	98
463272	341650 E 6327150 N	Grab/oc		Volcaniclastic sst	BI, MU (metamorp)	tr-PY, PO trace CP	890 m. elev: Some quartz veining ~ 1-2cm	25	<0.2	<5	425	<2	62
463273	344,080 E 6,325,440 N	Grab/oc		Volcaniclastic (uneven metm)	CL, BI, CA, QZ	<< 1% PO.	560 m. elev: Blebby sulphide distribution: 118°/dip S	10	<0.2	<5	481	<2	64
463274	341490 E 6327330 N	Silt		See Silt Sheet			785 m. elev						
463275	341540 E 6327800 N	Silt		See Silt Sheet			785 m. elev.						
463276	341390 E 6327140 N	Silt		See Silt Sheet			800 m. elev.						
463277	341510 E 6326995 N	Grab/oc	- / 30cm	Mafic-Int Volcanic	EP, BI, QZ	<1% dissem. PY & PY blebs	915 m elev. Massive, blocky jointing	30	<0.2	<5	90	<2	190
463278	341400 E 6326990N	Grab/oc	- / -	Volcanic Sandstone?	BI, QZ KF	<< 1% diss PY + PY blebs	920 m. elev. Massive, blocky jointed breaks like hornfels (sharp edges)	20	<0.2	<5	108	<2	150
							- streaky felsic layers - slightly magnetic						
463279	341395 E 6327000 N	Grab/oc	0.5m	Deformed pebble volcaniclastic	EP, CL	< 1% diss PY	910 m elev. No gossan	<5	<0.2	<5	69	<2	110
463280	341375 E 6327005 N	Chip	22cm	Quartz V			900 m. elev; strike length 5m. strike 148° dip mod. W.	15	<0.2	<5	4	<2	66
463281	341375 E 6327005N	Grab/oc	15cm	Volcanic?	KF, SI	<1% PY as blebs + diss	900m. elev. Same attitude as 280 host to 463280	10	<0.2	15	103	<2	126
463282	341060 E 6327075 N	Float		Int/Mafic Volc.	EP, CL, QZ	PY ~ 9% diss + frac. filling	785 m. elev. From nearby oc of same	20	<0.2	<5	162	2	90

EQUITY ENGINEERING LTD.

Geochemical Data Sheet - ROCK SAMPLING

NTS 104G/4E

Sampler Catherine Ridley | Project HIG-89-01 | Location Ref Split Creek

Date Sept 28-29, 1989 | Property PL7-11 | Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au ppb	Ag ppm	As ppm	Cu ppm	Pb ppm	Zn ppm
463284	342260 E 6326700N	Grab/oc	— / 4cm	QZ vein	Rusty weathering	CP, MC (<1/2)	1325m. elev. host-mafic vol. N-S trending, vertical dip	220	7.4	10	5090	<2	40
463285	342255 E 6326730N	Grab/oc		mafic vol	CL, FE oxides	PY+CP, MC (<1%)	1325m elev host to 463284; Qtz sulph/lithic breccia vein (vugs, qtz xls)	5	2.4	30	2880	2	120
463286	342255 E 6326730N	Grab/oc	30cm /	mafic vol	EP, CL	sulphides up to 1%	1315m elev, Breccia w/chl+ep veining+sulph. vein filling (some disseminated sulphides)	35	0.2	10	119	4	42
463287	341730 E 6326920N	Float		Protolith unknown	QZ, MS	PY, PO (1%)	1070m. elev silicification to the point of appearing cherty or hornsfelsic	5	<0.2	15	79	<2	10
463288	341450 E 6326840N	Float		Diorite	CL	PY in fractures 1%	1025m elev; slightly magnetic (magnetite(?)) Qtz on cliffs above sample	270	<0.2	<5	176	<2	44
463289	343220 E 6323400N			SEE	SILT	SHEET							
463290	343310 E 6323475N	Grab/oc	35cm / 2-4cm	Quartz vein		PY (*)	550 m. elev, rusty weathering abundant muscovite on fracture	<5	0.2	10	22	8	14
463291	343310 E 6323475N	Grab/oc		Biotite schistose	BI	PY = trace	550m. elev; host rock for 290 larger fractures have E/W trend	<5	<0.2	<5	37	<2	38
463292	343330 E 6323230N	Float		Fine-grain diorite		MO ?	508m. elev; yellow mineral mainly on fractures; angular float found in timbered area	<5	<0.2	5	18	<2	34
463293	343300 E 6323450N	Grab/oc		Pegmatite Quartz		PY = trace	455m elev; K-spar; muscovite trend E/W; dip = 20° N	<5	<0.2	<5	13	2	10
463294	342900E 6322860N	Grab/oc		Argillite		PY - <1%	190m. elev; slaty plating is sub-horizontal; dissem PY along small fractures	<5	<0.2	<5	76	2	76

EQUITY ENGINEERING LTD.

Geochemical Data Sheet - ROCK SAMPLING

NTS 104G/4E

Sampler M.D. GERASIMOFF | Project HIG 89-01 | Location Ref Split Creek

Date Sept. 23/89 to Oct. 2/89 | Property PL 7-11 | Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ppb / ppm ASSAYS					ppm
				Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn	As
459959	6327330N 342630E	Grab o/c	≈ 1.0m	Intermediate Volcanic	CB	Fe oxides CB	Many zones of CB altered breccia up to 1.0m wide, 10's of m. long	<5	<0.2	17	8	74	45
960	6327160N 342780E	"	10-20cm	"	CL, CB	PY (1-2%)	CB veins barren, mineralization in adjacent host rock	<5	<0.2	2	6	102	5
961	6327030N 342850E	"	≈ 1.0m	"	CL, QZ, CB	—	Breccia zone at edge of ductile shear zone - QZ (+CA) veins	35	<0.2	36	<2	46	60
967	6323010N 345205E	"		Intermediate/Mafic Volcanic	EP/CL/MS along Fracture	PY (<1%) oxidized	Elev. 940m 1-5 cm fracture spacing	<5	<0.2	27	4	46	<5
968	6322780N 345000E	"		"	EP/CL/MS along Fracture	PY, PO (<1%)	Elev. 840m Jointing strikes 175° dip 25°S KF/BI/MS alter before EP/CL	<5	<0.2	95	4	42	5
969	6323080N 344780E	"		"	CL, BI possible KF		Elev. 1030m fault contact in gully	20	0.4	249	<2	50	30
975	6323820N 345820E	"		Mafic - Intermed. Volcanic	CB	PY (<1%)	Elev. 1220m	10	0.4	45	22	50	30
976	6323810N 345750E	"		"	CB	PY (<1%)	Elev. 1210m	10	0.6	144	20	340	15
977	6323460N 345690E	"		"	BI ± KF	diss PY (<1%)	Elev. 1030m, patchy patches of CL alt'n	<5	<0.2	127	16	196	<5

EQUITY ENGINEERING LTD.

Geochemical Data Sheet - ROCK SAMPLING

NTS 104G/4E

Sampler Bruno Kasper | Project 1116 89-01 | Location Ref Split Creek

Date Sept. 27-29, 1989 | Property PL 7-11 | Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ppb / ppm ASSAYS					ppm
				Rock Type	Alteration	Mineralization		Au	Ag	Cu	Pb	Zn	As
459705	6323050N 341940E	Float	— / —	Qz vein	Strong Qz minor Ch	PY (~1%) blebs + stringers	Elev. 110m, PY infilling fractures, source not found	10	0.2	48	4	26	<5
706	6323445N 342000E	Grab o/c	0.3m / ?	Foliated Intrusive?	Mod Qz + Ch	PO blebs > diss PY (2%)	Elev. 250m, sporadic mineralization orientation ?	15	0.2	78	<2	20	10
707	6323520N 341925E	"	0.2m / ?	Ch schist	Weak Ch + Qz	PY blebs + diss (1-2%)	Elev. 290m, sporadic mineralization orientation ?	<5	<0.2	92	<2	78	5
708	6323565N 341915E	"	1.0m / 5-10 cm	Ch/MS? Schist	Mod. CY, Qz	PY > PO (1-2%) LI products	Elev. 310m, Qz/CY altered zone contains 2-3cm wide Qz veinlets	220	0.2	39	2	20	80
							while host rx. contains diss. mineralization, zone strike 053°; dip 87°SE?						
711	6323690N 341020E	"	0.2m / 0.1m?	Ch Schist	Weak CB	PY stringers + blebs (1%)	Elev. 90m, mineralization // to foliation orientation ?	30	<0.2	6	8	94	5
712	6325505N 343670E	"	2.0m / 0.05-0.1m	Qz vein	Strong Qz Mod Ch	PY > MG (3-4%) tr. SP?, MO?	Elev. 640m, bleby mineralization veins strike 178° dip 90° - 2 narrow	<5	0.4	192	6	14	5
							Qz veinlets within 2m of each other plus numerous Qz sweats						
713	6325505N 343670E	"	5.0m / ?	Qz veinlets (sweats)	Qz	PY > MG > GL? (5-10%)	Elev. 640m, abandoned Qz veinlets + sweats over a 20m x 20m area	<5	1.0	37	110	54	<5
							2 preferred orientations strike 079° dip 18°S						
							strike 041° dip 58°E - located near 459712						
714	6325510N 343680E	Grab o/c	0.5m / 2.0m?	Fault Gouge?	Ch + CY mod to strong, minor Qz	PY blebs + crystals (2-3%)	Elev. 655m Fault strike 099° dip 90°	<5	<0.2	159	<2	70	<5
715	6325600N 343655E	Float	— / —	Volcaniclastic	Strong CB + Qz	PY, tiny blebs (1-2%)	Elev. 715m, source viewed on escarpment overhead, zone trends 145°?	<5	<0.2	114	<2	86	10
717	6325610N 343650E	Grab Sub o/c	0.3m / 0.2-0.4m?	"	Strong Qz + Ep/Ch	Mo > PY (1-2%)	Elev. 715m, host rx highly fractured + Qz forms veinlets throughout	<5	<0.2	53	<2	30	<5
							orientation?						
718	6325600N 343640E	Float	— / —	"	Strong Qz + Ch, CB	PY (1-2%)	Elev. 720m ASL, source not found but PY associated w/ Qz + Ch	<5	<0.2	64	10	100	<5
720	6325640N 343625E	Grab o/c	1.0m / 1.5-2.0m?	Qz > Ch > CA vein	MS	PY (tiny blebs) (1-2%)	Elev. 740m, PY associated w/ Qz or Ch vein strikes 085°? dip 85°N?	<5	<0.2	157	2	106	10
721	6325660N 343570E	"	0.5m / 2.0-3.0m?	Volcaniclastic cgl	Strong CB/Qz	PY (tr.)	Elev. 795m, PY associated w/ Qz zone trends 038°	<5	<0.2	68	<2	68	5

EQUITY ENGINEERING LTD.

Geochemical Data Sheet - ROCK SAMPLING

NTS 1046/4E

Sampler Dave Ridley | Project HIG 89-01 | Location Ref Split Creek

Date Sept. 27, 1989 | Property PL 7-11 | Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		ppb Au	ppm Ag	ppm Cu	ppm Pb	ppm Zn	ppm As
463094	6323980 N 341010 E	Float	— / —	Ch Schist?	QZ, minor CB	PY>PO (<1%)	mineralization associated w/QZ veinlets, source not found	30	1.0	88	4	20	<5
463095	6324280N 341150 E	Grab o/c	0.35m / 0.35m	Breccia	QZ?	PO>SP? PY (≈10%)	mineralization consists of fracture infilling within the breccia's matrix, zone strikes 120° dip 80°W	<5	1.0	658	<2	60	10
463096	6324270N 341140E	"	1.1m / ?	QZ vein Zone	QZ	PO>>PY, CP (2-3%)	series of 30cm true width QZ veinlets which strike 020° dip 70°NE - veins parallel a major fracture	585	0.8	412	<2	24	5
463097	6324270N 341130 E	"	0.5m / 3.0m	"	QZ	PO>>PY (≈5%)	-similiar to # ≈ 40m away from 463096, veinlets strike 020° dip 70°NE -mineralization infills fractures w/ secondary QZ in veinlets	1090	2.0	468	<2	20	20
463098	6324200N 341080 E	Float	— / —	BI/Ms phyllite?	CL	PY (1-2%)	-mineralization // to foliation source not found	100	0.8	252	2	1270	<5
463099	6324180N 341070 E	"	— / —	"	CL?	SP>PY (≈5%)	-mineralization // to foliation, source not found but float taken on talus slope beneath an escarpment	660	1.0	243	8	6.24%	<5
463100	6324140 N 341050 E	Grab o/c	0.25m / 0.25m	QZ vein	QZ	PO>MG?, PY (2-3%)	-mineralization infilling fractures w/ secondary QZ, orientation?	0.536 oz/ton	3.0	577	<2	896	<5

APPENDIX C

CERTIFICATES OF ANALYSIS

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To : EQUITY ENGINEERING LTD.

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

Project : PL 7-11
Comments:

Date : 13-OCT-89
Invoice # : I-8927105
P.O. # : HIG89-01

CERTIFICATE OF ANALYSIS A8927105

SAMPLE DESCRIPTION	PREP CODE		Au ppb RUSH	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
S172380	201	238	10	2.10	< 0.2	30	520	< 0.5	< 2	1.06	0.5	29	33	110	4.70	< 10	< 1	0.63	10	1.68	805
S172381	201	238	< 5	2.76	< 0.2	5	1200	< 0.5	< 2	1.30	< 0.5	30	41	120	5.64	< 10	< 1	1.15	10	2.40	1055
S172382	203	238	< 5	1.83	< 0.2	5	500	< 0.5	< 2	1.09	< 0.5	20	48	79	3.65	< 10	< 1	0.55	10	1.28	600
S172383	201	238	65	2.21	0.2	10	670	< 0.5	4	1.10	< 0.5	27	29	112	4.77	< 10	< 1	0.80	10	1.64	820
S172384	201	238	< 5	2.09	0.8	5	350	< 0.5	< 2	0.89	< 0.5	17	46	89	4.19	< 10	1	0.50	10	1.46	720
S172385	203	238	< 5	1.71	< 0.2	5	170	< 0.5	< 2	1.14	< 0.5	17	38	69	3.98	< 10	< 1	0.47	10	1.23	580
S172386	203	238	40	1.76	< 0.2	5	280	< 0.5	< 2	0.63	< 0.5	16	72	43	3.53	< 10	< 1	0.45	10	1.27	795
S172387	217	238	< 5	1.70	< 0.2	< 5	240	< 0.5	< 2	0.67	< 0.5	16	79	42	3.27	< 10	< 1	0.31	10	1.26	640
S172388	203	238	205	1.57	< 0.2	10	180	< 0.5	< 2	0.93	< 0.5	19	47	71	4.14	< 10	< 1	0.47	10	1.22	570
S172389	201	238	< 5	1.39	< 0.2	5	300	< 0.5	< 2	1.00	< 0.5	15	34	59	3.48	< 10	< 1	0.41	10	1.21	550
S172390	201	238	10	2.49	< 0.2	10	1370	0.5	< 2	1.33	< 0.5	23	138	34	4.52	< 10	< 1	1.03	40	2.79	860
S172391	201	238	125	1.58	< 0.2	10	360	< 0.5	< 2	1.20	< 0.5	22	46	77	5.72	< 10	< 1	0.44	20	1.38	570
S172392	201	238	10	1.91	< 0.2	5	240	< 0.5	< 2	0.85	< 0.5	18	17	107	3.56	< 10	< 1	0.44	10	1.32	725
S172393	201	238	< 5	1.98	< 0.2	< 5	260	< 0.5	< 2	0.89	< 0.5	17	32	84	3.66	< 10	< 1	0.47	10	1.46	760
S172394	201	238	< 5	1.92	< 0.2	15	410	< 0.5	< 2	0.89	< 0.5	21	45	79	3.84	< 10	< 1	0.44	20	1.60	745
S172395	201	238	< 5	1.52	< 0.2	5	120	< 0.5	< 2	1.17	< 0.5	21	30	109	5.70	< 10	< 1	0.38	10	1.24	580
S172396	203	238	< 5	1.44	< 0.2	10	210	< 0.5	< 2	1.05	< 0.5	15	39	57	3.38	< 10	< 1	0.49	10	1.06	455
S172397	201	238	< 5	1.64	< 0.2	10	230	< 0.5	< 2	1.61	< 0.5	21	11	72	3.82	< 10	< 1	0.50	10	1.21	625
S463116	201	238	< 5	2.48	< 0.2	20	430	< 0.5	< 2	1.00	0.5	24	37	119	5.65	< 10	< 1	0.39	10	1.74	1905
S463117	201	238	55	2.47	< 0.2	60	380	< 0.5	< 2	1.00	0.5	20	59	96	4.99	< 10	< 1	0.40	10	1.75	1175
S463118	201	238	25	1.76	0.2	35	230	< 0.5	< 2	0.99	3.5	25	15	152	5.14	< 10	< 1	0.21	10	1.16	2890

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,
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PHONE (604) 984-0221

To : EQUITY ENGINEERING LTD.

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

Project : PL 7-11
Comments:

Page No. : 1-B
Tot. Pages: 1
Date : 13-OCT-89
Invoice # : I-8927105
P.O. # : HIG89-01

CERTIFICATE OF ANALYSIS A8927105

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
S172380	201	238	2	0.01	15	2130	12	< 5	7	70	0.20	< 10	< 10	138	< 10	150
S172381	201	238	< 1	0.01	18	3050	8	< 5	9	83	0.20	< 10	10	203	20	106
S172382	203	238	3	0.02	9	1430	8	< 5	8	115	0.17	< 10	< 10	134	20	64
S172383	201	238	3	0.01	15	2240	10	< 5	9	89	0.19	< 10	20	151	20	90
S172384	201	238	2	0.02	20	1760	20	< 5	7	70	0.18	< 10	10	127	< 10	92
S172385	203	238	< 1	0.02	8	1770	< 2	< 5	7	124	0.21	< 10	< 10	121	< 10	54
S172386	203	238	< 1	0.03	20	1190	12	< 5	4	67	0.14	< 10	< 10	78	< 10	74
S172387	217	238	< 1	0.03	19	1080	10	< 5	3	77	0.12	< 10	< 10	80	< 10	70
S172388	203	238	< 1	0.02	8	1770	4	< 5	5	86	0.16	< 10	< 10	112	< 10	54
S172389	201	238	< 1	0.01	21	2120	10	< 5	4	99	0.14	< 10	< 10	93	< 10	58
S172390	201	238	< 1	0.04	90	1990	14	< 5	5	237	0.25	< 10	< 10	105	< 10	108
S172391	201	238	< 1	0.01	25	2550	10	< 5	5	125	0.20	< 10	< 10	135	< 10	60
S172392	201	238	3	0.01	9	1810	6	< 5	4	72	0.15	< 10	< 10	99	< 10	66
S172393	201	238	1	0.01	19	1790	8	< 5	4	84	0.15	< 10	< 10	103	< 10	74
S172394	201	238	1	0.01	28	2130	4	< 5	4	84	0.15	< 10	< 10	88	< 10	76
S172395	201	238	< 1	0.01	11	2570	2	< 5	6	95	0.19	< 10	< 10	139	< 10	56
S172396	203	238	< 1	0.02	7	1740	8	< 5	5	103	0.18	< 10	< 10	103	< 10	48
S172397	201	238	< 1	0.01	8	2460	10	< 5	7	134	0.17	< 10	< 10	98	< 10	54
S463116	201	238	3	0.01	18	1670	12	< 5	7	72	0.23	< 10	< 10	141	< 10	160
S463117	201	238	1	0.02	14	1500	20	< 5	8	61	0.20	< 10	< 10	146	< 10	158
S463118	201	238	3	0.01	14	1930	62	< 5	4	70	0.13	< 10	< 10	77	< 10	518

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER, BRITISH COLUMBIA, CANADA V7J-2C1
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To : EQUITY ENGINEERING LTD.
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2
Project : PI. 7-11
Comments:

Date : 16-OCT-89
Invoice # : I-8927106
P.O. # : HIG89-01

CERTIFICATE OF ANALYSIS A8927106

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
R447015	205 238	90	4.18	0.4	35	160	< 0.5	2	2.16	2.5	20	119	111	3.72	< 10	< 1	1.08	< 10	1.18	585
R447016	205 238	40	2.78	0.2	150	380	< 0.5	2	1.26	< 0.5	49	100	175	4.53	< 10	< 1	1.28	< 10	1.60	555
R447017	205 238	50	2.21	0.6	70	60	< 0.5	4	2.11	< 0.5	15	92	71	1.90	< 10	< 1	0.14	< 10	0.34	910
R447018	205 238	10	0.22	1.2	45	1480	< 0.5	4	0.03	< 0.5	1	198	6	0.49	< 10	< 1	0.14	< 10	0.01	75
R447019	205 238	350	1.96	< 0.2	15	480	< 0.5	2	1.12	< 0.5	16	43	140	4.71	< 10	< 1	0.44	10	1.43	510
R447020	205 238	810	2.66	0.8	35	400	< 0.5	< 2	0.54	< 0.5	19	65	199	7.66	< 10	< 1	0.50	10	1.94	690
R447021	205 238	45	1.05	< 0.2	30	140	< 0.5	6	0.76	< 0.5	17	60	37	5.73	< 10	< 1	0.62	< 10	0.46	170
R459871	205 238	20	1.06	< 0.2	20	1400	< 0.5	4	9.66	< 0.5	18	18	95	5.25	< 10	< 1	0.41	< 10	0.70	1830
R459872	205 238	35	0.82	0.2	50	160	< 0.5	2	0.40	< 0.5	10	249	63	2.32	< 10	< 1	0.12	< 10	0.64	980
R459873	205 238	60	2.23	1.2	85	690	< 0.5	< 2	0.74	< 0.5	14	105	249	7.54	< 10	< 1	0.83	< 10	1.44	830
R459874	205 238	25	3.27	< 0.2	< 5	780	< 0.5	< 2	1.19	0.5	36	87	281	5.47	< 10	< 1	2.41	10	2.35	1045
R459959	205 238	< 5	0.37	< 0.2	45	520	< 0.5	< 2	10.05	< 0.5	22	22	17	5.93	< 10	< 1	0.07	< 10	0.42	1880
R459960	205 238	< 5	3.33	< 0.2	5	50	< 0.5	2	10.85	< 0.5	40	33	2	6.31	< 10	< 1	0.06	< 10	3.25	1495
R459961	205 238	35	1.23	< 0.2	60	210	< 0.5	< 2	2.80	< 0.5	10	112	36	2.33	< 10	< 1	0.60	< 10	0.73	680
R463010	205 238	90	3.69	< 0.2	175	780	< 0.5	< 2	0.24	< 0.5	4	65	23	>15.00	< 10	< 1	1.36	10	0.97	1440
R463011	205 238	< 5	3.52	< 0.2	55	860	< 0.5	2	1.23	< 0.5	15	61	44	5.12	< 10	< 1	1.93	10	1.68	905
R463012	205 238	< 5	0.21	3.2	110	20	< 0.5	< 2	0.06	17.5	5	240	265	6.89	< 10	< 1	0.04	< 10	0.03	220
R463013	205 238	25	1.07	0.8	55	130	< 0.5	< 2	0.21	< 0.5	20	50	340	6.16	< 10	< 1	0.21	< 10	0.48	230
R463014	205 238	30	0.59	2.6	35	70	< 0.5	4	0.55	< 0.5	4	51	347	4.55	< 10	< 1	0.16	< 10	0.20	240
R463015	205 238	20	0.01	< 0.2	15	10	< 0.5	2	0.01	< 0.5	< 1	285	6	0.34	< 10	< 1	< 0.01	< 10	< 0.01	25
R463016	205 238	10	0.08	1.6	95	160	< 0.5	< 2	0.02	0.5	11	274	127	3.76	< 10	< 1	0.01	< 10	0.01	40
R463017	205 238	20	0.08	0.8	10	50	< 0.5	2	0.05	< 0.5	4	246	5	2.37	< 10	< 1	0.01	< 10	< 0.01	100
R463018	205 238	10	0.04	1.8	130	10	< 0.5	< 2	< 0.01	0.5	5	231	29	2.05	< 10	< 1	< 0.01	< 10	0.01	130
R463019	205 238	< 5	0.55	0.2	< 5	40	< 0.5	< 2	0.08	< 0.5	< 1	169	36	1.63	< 10	< 1	0.07	< 10	0.28	100
R463020	205 238	< 5	0.15	0.4	5	10	< 0.5	4	0.05	< 0.5	1	232	16	0.83	< 10	< 1	0.01	< 10	0.08	40
R463021	205 238	< 5	0.13	0.4	< 5	20	< 0.5	< 2	0.02	< 0.5	< 1	160	5	0.52	< 10	< 1	0.06	< 10	0.07	25
R463022	205 238	< 5	0.11	1.6	< 5	100	< 0.5	2	0.01	< 0.5	6	225	53	3.01	< 10	< 1	0.06	< 10	< 0.01	40
R463023	205 238	25	0.01	0.4	< 5	< 10	< 0.5	< 2	< 0.01	< 0.5	< 1	160	4	0.34	< 10	< 1	< 0.01	< 10	< 0.01	15
R463110	205 238	310	0.12	25.8	< 5	110	< 0.5	< 2	0.06	3.5	15	194	>10000	2.95	< 10	< 1	< 0.01	< 10	0.08	125
R463111	205 238	< 5	0.66	< 0.2	< 5	470	< 0.5	< 2	0.71	1.0	17	42	330	4.24	< 10	< 1	0.32	10	0.15	4630
R463112	205 238	130	0.28	3.0	20	200	< 0.5	< 2	0.07	< 0.5	2	39	103	2.72	< 10	< 1	0.19	< 10	0.02	180
R463115	205 238	160	1.54	< 0.2	< 5	230	< 0.5	< 2	0.92	< 0.5	9	65	18	2.67	< 10	< 1	1.00	< 10	1.07	655
R463119	205 238	5	0.58	2.4	20	570	< 0.5	< 2	0.02	< 0.5	2	38	79	6.17	< 10	< 1	0.23	< 10	0.25	75
R463120	205 238	35	0.19	2.6	55	150	< 0.5	< 2	0.12	0.5	5	18	95	4.34	< 10	< 1	0.11	< 10	0.01	115

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To : EQUITY ENGINEERING LTD.

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

Project : PL 7-11
Comments:

Date : 16-OCT-89
Invoice # : I-8927106
P.O. # : HIG89-01

CERTIFICATE OF ANALYSIS A8927106

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
R447015	205 238	25	0.48	83	1020	40	< 5	6	168	0.21	< 10	< 10	124	< 10	222
R447016	205 238	< 1	0.20	56	700	6	5	5	122	0.28	< 10	< 10	100	< 10	80
R447017	205 238	1275	0.20	56	670	18	10	1	206	0.09	< 10	< 10	18	< 10	28
R447018	205 238	3040	0.01	5	30	26	< 5	< 1	21	< 0.01	< 10	< 10	< 1	< 10	12
R447019	205 238	44	0.04	6	2590	2	< 5	7	60	0.23	< 10	< 10	152	< 10	46
R447020	205 238	22	0.03	6	990	2	< 5	6	28	0.31	< 10	< 10	142	< 10	88
R447021	205 238	12	0.03	6	2440	12	< 5	6	43	0.30	< 10	< 10	102	< 10	28
R459871	205 238	16	0.01	9	1610	8	15	13	102	0.02	< 10	< 10	85	< 10	74
R459872	205 238	4	< 0.01	5	520	< 2	< 5	3	15	< 0.01	< 10	< 10	32	< 10	56
R459873	205 238	5	0.01	9	2250	2	< 5	6	70	0.26	10	< 10	139	< 10	78
R459874	205 238	2	0.03	9	2340	16	< 5	6	108	0.34	< 10	< 10	129	< 10	76
R459959	205 238	2	0.05	7	1660	8	10	27	104	0.01	10	< 10	99	< 10	74
R459960	205 238	< 1	0.01	8	2010	6	10	5	412	0.36	< 10	< 10	129	< 10	102
R459961	205 238	< 1	0.01	5	1700	< 2	5	4	82	0.07	< 10	< 10	46	< 10	46
R463010	205 238	22	0.02	12	790	< 2	< 5	9	32	0.20	30	< 10	255	< 10	660
R463011	205 238	4	0.24	3	1280	< 2	5	6	103	0.36	< 10	< 10	152	< 10	100
R463012	205 238	4	< 0.01	6	< 10	352	< 5	< 1	2	< 0.01	10	< 10	17	< 10	2690
R463013	205 238	2	0.05	71	940	24	< 5	3	14	0.03	< 10	< 10	27	< 10	102
R463014	205 238	6	0.08	1	660	80	< 5	3	47	0.17	10	< 10	37	< 10	38
R463015	205 238	136	< 0.01	6	< 10	4	< 5	< 1	< 1	< 0.01	< 10	< 10	1	< 10	20
R463016	205 238	924	< 0.01	11	50	10	5	< 1	6	< 0.01	10	< 10	1	< 10	12
R463017	205 238	2490	< 0.01	11	480	18	< 5	1	8	< 0.01	10	< 10	< 1	< 10	12
R463018	205 238	21	< 0.01	5	30	14	< 5	< 1	< 1	< 0.01	< 10	< 10	2	< 10	14
R463019	205 238	10	0.02	4	180	4	< 5	1	7	0.02	< 10	< 10	14	< 10	18
R463020	205 238	4	0.01	4	60	4	< 5	< 1	1	< 0.01	< 10	< 10	6	< 10	6
R463021	205 238	3	0.01	1	40	< 2	< 5	< 1	1	0.01	< 10	< 10	6	< 10	4
R463022	205 238	2480	0.01	5	30	4	< 5	< 1	2	< 0.01	10	< 10	< 1	< 10	10
R463023	205 238	31	< 0.01	4	10	< 2	< 5	< 1	< 1	< 0.01	< 10	< 10	< 1	< 10	< 2
R463110	205 238	7	< 0.01	9	< 10	< 2	< 5	< 1	3	< 0.01	< 10	< 10	6	< 10	134
R463111	205 238	6	0.03	13	1420	10	< 5	2	43	0.01	< 10	< 10	25	< 10	220
R463112	205 238	7	< 0.01	1	1150	24	< 5	1	7	< 0.01	< 10	< 10	8	< 10	28
R463115	205 238	1	0.03	7	700	< 2	< 5	3	36	0.14	< 10	< 10	51	< 10	48
R463119	205 238	2	0.01	1	540	124	< 5	2	52	0.02	< 10	< 10	37	< 10	100
R463120	205 238	2	< 0.01	5	1390	106	5	< 1	35	< 0.01	< 10	< 10	6	< 10	128

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER.
BRITISH COLUMBIA. CANADA V7J-2C1

PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

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

Project : HIG 89-01
Comments: ATTN: DAVID A CAULFIELD

Page No. : 1
Tot. Pages: 2
Date : 17-OCT-89
Invoice # : I-8927648
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8927648

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	As ppm	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
L HIG-1-0+00M	201	298	5	2	< 0.5	24	132	5.88	1100	< 1	8	< 5	128
L HIG-1-0+25M	201	298	30	7	< 0.5	26	75	5.71	1180	< 1	7	< 5	116
L HIG-1-0+50M	201	298	15	15	< 0.5	26	81	5.48	1415	2	29	< 5	116
L HIG-1-0+75M	201	298	20	5	< 0.5	20	80	5.39	1280	1	8	< 5	110
L HIG-1-1+00M	201	298	< 5	2	< 0.5	19	52	4.96	1365	< 1	11	< 5	130
L HIG-1-1+25M	201	298	30	4	< 0.5	17	49	4.62	1260	< 1	5	< 5	96
L HIG-1-1+50M	201	298	< 5	4	< 0.5	15	56	4.56	925	< 1	8	< 5	94
L HIG-1-1+75M	201	298	15	3	< 0.5	9	44	3.29	680	2	6	< 5	64
L HIG-1-2+00M	201	298	20	5	< 0.5	18	45	4.71	1080	< 1	9	< 5	114
L HIG-1-2+25M	201	298	20	3	< 0.5	13	57	4.89	745	2	11	< 5	106
L HIG-1-2+50M	201	298	25	3	< 0.5	17	44	4.75	1000	< 1	9	< 5	100
L HIG-1-2+75M	201	298	15	3	< 0.5	13	43	4.78	850	1	8	< 5	102
L HIG-1-3+00M	201	298	20	3	< 0.5	19	44	5.01	975	< 1	9	< 5	96
L HIG-1-3+25M	201	298	15	2	< 0.5	19	77	5.49	1120	< 1	8	< 5	112
L HIG-1-3+50M	201	298	10	3	< 0.5	20	47	5.00	1115	1	9	< 5	110
L HIG-1-3+75M	201	298	30	———	< 0.5	23	113	5.45	1195	< 1	16	< 5	130
L HIG-1-4+00M	201	298	< 5	3	< 0.5	13	53	5.05	870	< 1	6	< 5	88
L HIG-1-4+25M	201	298	25	4	< 0.5	20	77	5.57	1055	< 1	8	< 5	112
L HIG-1-4+50M	201	298	10	4	< 0.5	34	71	5.01	1400	< 1	7	< 5	112
L HIG-1-4+75M	201	298	15	5	< 0.5	8	65	4.98	1460	2	5	< 5	98
L HIG-1-5+00M	201	298	10	1	< 0.5	22	97	4.99	1315	< 1	7	< 5	118
L HIG-1-5+25M	201	298	< 5	2	< 0.5	24	52	4.68	1695	< 1	7	< 5	144
L HIG-1-5+50M	201	298	95	6	< 0.5	24	91	5.52	1230	< 1	13	< 5	112
L HIG-1-5+75M	201	298	25	6	< 0.5	20	87	5.32	905	< 1	12	< 5	100
L HIG-1-6+00M	201	298	5	10	< 0.5	12	58	5.06	740	< 1	6	< 5	76
L HIG-1-6+25M	201	298	< 5	7	< 0.5	8	26	5.24	640	< 1	3	< 5	68
L HIG-1-6+50M	201	298	< 5	9	< 0.5	8	40	5.57	890	< 1	3	5	72
L HIG-1-6+75M	201	298	10	9	< 0.5	19	148	6.94	845	< 1	12	5	142
L HIG-1-7+00M	201	298	15	3	< 0.5	7	9	2.67	430	< 1	5	< 5	54
L HIG-1-7+25M	201	298	< 5	5	< 0.5	12	49	5.18	615	1	8	< 5	70
L HIG-1-7+50M	201	298	< 5	3	< 0.5	16	41	4.55	795	< 1	4	< 5	108
L HIG-1-7+75M	201	298	< 5	4	< 0.5	24	106	5.30	1060	< 1	5	< 5	118
L HIG-1-8+00M	201	298	< 5	2	< 0.5	29	64	5.53	1310	< 1	9	< 5	118
L HIG-1-8+25M	201	298	< 5	4	< 0.5	20	87	5.10	1000	< 1	8	< 5	120
L HIG-1-8+50M	201	298	5	3	< 0.5	32	108	5.10	1735	< 1	6	< 5	116
L HIG-1-8+75M	201	298	< 5	2	< 0.5	43	79	4.36	3350	< 1	5	< 5	112
L HIG-1-9+00M	201	298	< 5	3	< 0.5	34	133	5.68	1615	< 1	7	< 5	148
L HIG-1-9+25M	201	298	< 5	3	< 0.5	21	51	5.20	915	< 1	7	< 5	128
L HIG-1-9+50M	201	298	< 5	2	< 0.5	26	84	4.97	1755	< 1	7	< 5	146
L HIG-1-9+75M	201	298	5	2	< 0.5	23	49	4.41	1575	< 1	6	< 5	126

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2
Project : HIG 89-01
Comments: ATTN: DAVID A CAULFIELD

Date : 17-OCT-89
Invoice # : I-8927648
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8927648

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	As ppm	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm
L HIG-1-10+00M	201	298	< 5	3	< 0.5	25	117	4.76	1640	< 1	9	< 5	148
L HIG-1-10+25M	201	298	< 5	4	< 0.5	12	68	4.32	635	< 1	7	< 5	86
L HIG-1-10+50M	201	298	< 5	2	< 0.5	17	89	4.61	710	< 1	6	< 5	102
L HIG-1-10+75M	201	298	< 5	4	< 0.5	17	61	4.84	775	2	3	< 5	54
L HIG-1-11+00M	201	298	< 5	3	< 0.5	13	25	3.26	920	< 1	5	< 5	66

CERTIFICATION : B. Caufield

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

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

Project : LOT D
Comments: ATTN: DAVID A CAULFIELD

Page No. : 1-A
Tot. Pages: 1
Date : 19-OCT-89
Invoice # : I-8927661
P.O. # : HIG 89-1

CERTIFICATE OF ANALYSIS A8927661

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
459705	205	238	10	0.55	0.2	< 5	10	< 0.5	2	0.02	< 0.5	2	22	48	2.39	< 10	< 1	0.07	20	0.17	175
459706	205	238	15	0.72	0.2	10	100	< 0.5	4	0.21	< 0.5	6	57	78	2.85	< 10	< 1	0.46	< 10	0.46	205
459707	205	238	< 5	2.88	< 0.2	5	1030	< 0.5	4	0.68	< 0.5	22	28	92	5.64	< 10	< 1	1.46	10	1.97	820
459708	205	238	220	1.03	0.2	80	130	< 0.5	6	0.09	< 0.5	5	51	39	3.85	< 10	< 1	0.37	< 10	0.45	250
459711	205	238	30	1.32	< 0.2	5	100	< 0.5	2	1.99	< 0.5	11	27	6	3.92	< 10	< 1	0.36	< 10	1.08	1065
459712	205	238	< 5	0.33	0.4	5	110	< 0.5	6	0.13	< 0.5	18	113	192	3.84	< 10	< 1	0.06	< 10	0.15	110
459713	205	238	< 5	1.09	1.0	< 5	190	< 0.5	228	1.00	< 0.5	18	43	37	3.83	< 10	< 1	0.54	< 10	0.76	460
459714	205	238	< 5	2.49	< 0.2	< 5	70	< 0.5	2	1.43	0.5	21	57	159	5.67	< 10	< 1	0.22	< 10	1.91	550
459715	205	238	< 5	0.64	< 0.2	10	770	< 0.5	6	4.92	< 0.5	22	14	114	4.78	< 10	< 1	0.34	< 10	1.07	865
459717	205	238	< 5	0.72	< 0.2	< 5	200	< 0.5	6	1.95	< 0.5	10	65	53	1.40	< 10	< 1	0.19	< 10	0.42	575
459718	205	238	< 5	1.31	< 0.2	< 5	560	< 0.5	< 2	5.11	0.5	12	80	64	3.25	< 10	< 1	0.16	< 10	1.71	1075
459720	205	238	< 5	0.88	< 0.2	10	310	< 0.5	< 2	4.98	< 0.5	23	90	157	4.10	< 10	< 1	0.37	< 10	1.47	1055
459721	205	238	< 5	0.37	< 0.2	5	1740	< 0.5	< 2	5.79	< 0.5	17	19	68	4.55	< 10	< 1	0.23	< 10	2.10	990
463034	205	238	140	0.59	0.6	15	110	< 0.5	2	0.23	0.5	7	20	8	3.64	< 10	< 1	0.25	10	0.41	165
463037	205	238	25	1.69	< 0.2	5	280	< 0.5	< 2	0.54	< 0.5	8	51	64	2.65	< 10	< 1	0.82	< 10	1.10	665
463094	205	238	30	1.08	1.0	< 5	90	< 0.5	18	1.68	< 0.5	10	128	88	2.92	< 10	< 1	0.50	< 10	0.84	820
463095	205	238	< 5	1.28	1.0	10	80	< 0.5	2	0.15	< 0.5	44	45	658	>15.00	< 10	< 1	0.45	< 10	0.65	270
463096	205	238	585	0.50	0.8	5	70	< 0.5	20	0.34	< 0.5	36	214	412	7.05	< 10	< 1	0.26	< 10	0.29	400
463097	205	238	1090	0.12	2.0	20	80	< 0.5	32	0.11	< 0.5	40	234	468	8.76	< 10	< 1	< 0.01	< 10	0.06	280
463098	205	238	100	2.69	0.8	< 5	160	< 0.5	2	0.64	13.0	32	76	252	7.18	< 10	< 1	1.54	10	1.26	680
463099	205	238	660	2.56	1.0	< 5	160	0.5	6	0.46	>100.0	31	93	243	6.18	< 10	< 1	0.86	< 10	1.18	710
463100	205	238	>10000	0.31	3.0	< 5	20	< 0.5	4	0.06	6.5	72	140	577	8.59	< 10	< 1	0.09	< 10	0.12	130
463121	205	238	1780	0.28	1.0	< 5	50	< 0.5	< 2	0.03	1.5	33	170	387	3.75	< 10	< 1	0.01	< 10	0.18	125
463277	205	238	30	2.03	< 0.2	< 5	290	< 0.5	< 2	1.56	1.0	18	42	90	3.84	< 10	< 1	0.99	< 10	1.26	500
463278	205	238	20	1.85	< 0.2	< 5	230	< 0.5	< 2	0.40	< 0.5	11	94	108	4.06	< 10	< 1	1.37	< 10	1.19	405
463279	205	238	< 5	2.40	< 0.2	< 5	330	< 0.5	< 2	0.93	< 0.5	16	48	69	3.61	< 10	1	1.69	< 10	1.64	635
463280	205	238	15	0.36	< 0.2	< 5	30	< 0.5	< 2	0.03	< 0.5	7	301	4	1.97	< 10	< 1	0.03	< 10	0.20	220
463281	205	238	10	2.66	< 0.2	15	240	< 0.5	< 2	2.39	< 0.5	25	41	103	5.02	< 10	< 1	0.81	< 10	1.99	870
463282	205	238	20	1.99	< 0.2	< 5	290	< 0.5	< 2	0.81	< 0.5	18	41	162	4.18	< 10	1	1.44	< 10	1.50	590

CERTIFICATION : B. Caufield

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA. CANADA V7J-2C1

PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

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

Project : LOT D
Comments: ATTN: DAVID A CAULFIELD

Date : 19-OCT-89
Invoice # : I-8927661
P.O. # : HIG 89-1

CERTIFICATE OF ANALYSIS A8927661

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
459705	205	238	15	0.04	2	70	4	< 5	< 1	4	< 0.01	< 10	< 10	< 1	< 10	26
459706	205	238	1	0.03	6	440	< 2	< 5	2	8	0.07	< 10	< 10	33	< 10	20
459707	205	238	2	0.04	10	1220	< 2	< 5	13	29	0.22	< 10	< 10	167	< 10	78
459708	205	238	4	0.01	7	550	2	< 5	1	10	0.03	< 10	< 10	23	< 10	20
459711	205	238	2	0.03	1	890	8	< 5	4	46	0.05	< 10	< 10	64	< 10	94
459712	205	238	518	0.02	7	170	6	< 5	1	7	0.02	< 10	40	7	< 10	14
459713	205	238	288	0.04	8	1280	110	< 5	6	39	0.22	< 10	< 10	69	< 10	54
459714	205	238	120	0.07	23	1280	< 2	< 5	8	41	0.27	< 10	< 10	109	< 10	70
459715	205	238	10	< 0.01	8	1890	< 2	10	10	191	< 0.01	< 10	< 10	34	< 10	86
459717	205	238	1830	0.01	7	770	< 2	< 5	2	51	0.09	< 10	< 10	24	< 10	30
459718	205	238	44	< 0.01	24	430	10	< 5	7	168	< 0.01	< 10	< 10	79	10	100
459720	205	238	61	< 0.01	32	680	2	< 5	7	84	0.01	< 10	< 10	73	10	106
459721	205	238	6	0.02	7	1360	< 2	< 5	19	332	< 0.01	< 10	< 10	45	< 10	68
463034	205	238	9	0.02	2	910	18	< 5	2	11	0.01	< 10	< 10	22	< 10	94
463037	205	238	1	0.04	14	510	< 2	< 5	4	21	0.11	< 10	< 10	62	< 10	68
463094	205	238	2	0.02	8	650	4	< 5	4	52	0.05	< 10	< 10	48	30	20
463095	205	238	5	0.04	45	240	< 2	< 5	4	11	0.05	< 10	< 10	32	< 10	60
463096	205	238	3	0.01	29	200	< 2	< 5	2	9	0.03	< 10	< 10	18	< 10	24
463097	205	238	3	< 0.01	28	30	< 2	< 5	< 1	5	< 0.01	< 10	< 10	2	< 10	20
463098	205	238	3	0.06	43	640	2	< 5	5	33	0.16	< 10	< 10	53	< 10	1270
463099	205	238	< 1	0.06	15	640	8	< 5	5	28	0.10	< 10	< 10	58	20	>10000
463100	205	238	3	< 0.01	106	120	< 2	< 5	1	3	< 0.01	< 10	< 10	3	< 10	896
463121	205	238	4	< 0.01	5	50	< 2	< 5	< 1	3	< 0.01	< 10	< 10	14	< 10	268
463277	205	238	< 1	0.04	6	1960	< 2	< 5	7	95	0.28	< 10	< 10	145	< 10	190
463278	205	238	1	0.04	16	870	< 2	< 5	4	30	0.25	< 10	< 10	87	< 10	150
463279	205	238	< 1	0.04	9	1410	< 2	< 5	4	68	0.28	< 10	< 10	95	< 10	110
463280	205	238	< 1	< 0.01	10	30	< 2	< 5	4	3	< 0.01	< 10	< 10	42	< 10	66
463281	205	238	< 1	0.03	13	1720	< 2	< 5	17	77	0.13	< 10	< 10	164	< 10	126
463282	205	238	2	0.05	7	1810	2	< 5	5	62	0.24	< 10	< 10	118	< 10	90

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

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

Project : LOT D
Comments: ATTN: DAVID A. CAULFIELD

Page No. : 1-A
Tot. Pages: 1
Date : 19-OCT-89
Invoice # : I-8927662
P.O. # : HIG 89-1

CERTIFICATE OF ANALYSIS A8927662

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
463207	201	238	35	1.53	< 0.2	55	250	< 0.5	2	0.66	< 0.5	16	45	56	3.35	< 10	< 1	0.22	< 10	0.96	710
463208	201	238	95	1.66	< 0.2	20	160	< 0.5	< 2	0.73	< 0.5	18	21	106	4.92	< 10	< 1	0.24	< 10	1.11	845
463209	203	238	150	2.08	< 0.2	20	190	< 0.5	2	0.80	< 0.5	17	40	87	4.70	< 10	< 1	0.33	< 10	1.06	810
463210	201	238	60	2.34	< 0.2	< 5	280	< 0.5	< 2	0.90	< 0.5	18	12	84	4.43	< 10	< 1	0.32	10	1.22	880
463211	201	238	30	1.81	< 0.2	10	230	< 0.5	< 2	0.76	0.5	20	19	156	4.95	< 10	< 1	0.32	10	1.17	1335
463212	203	238	< 5	1.56	< 0.2	< 5	110	< 0.5	2	0.53	< 0.5	22	28	64	3.29	< 10	< 1	0.21	< 10	0.70	1000
463213	201	238	35	1.83	< 0.2	20	210	< 0.5	4	0.81	< 0.5	17	17	119	5.06	< 10	< 1	0.32	10	1.20	1145
463214	201	238	40	1.43	< 0.2	5	150	< 0.5	4	0.93	< 0.5	16	18	85	4.97	< 10	< 1	0.25	10	1.09	910
463215	201	238	25	1.64	< 0.2	< 5	160	< 0.5	< 2	0.88	< 0.5	17	14	103	4.93	< 10	< 1	0.26	10	1.12	1030
463216	201	238	< 5	1.91	< 0.2	5	190	< 0.5	< 2	0.90	< 0.5	17	13	104	4.54	< 10	< 1	0.27	10	1.19	1075
463217	201	238	< 5	1.77	< 0.2	20	150	< 0.5	< 2	0.77	< 0.5	9	11	68	3.45	< 10	< 1	0.14	10	0.63	805
463218	201	238	30	1.36	< 0.2	5	160	< 0.5	< 2	0.69	< 0.5	10	32	47	3.14	< 10	< 1	0.20	10	0.76	765
463219	201	238	< 5	1.73	< 0.2	5	210	< 0.5	2	0.72	< 0.5	13	16	60	4.21	< 10	< 1	0.21	10	0.98	980
463220	201	238	780	1.61	< 0.2	10	310	< 0.5	< 2	0.79	< 0.5	9	14	38	3.47	< 10	< 1	0.17	10	0.80	1015
463221	201	238	< 5	1.52	< 0.2	15	360	< 0.5	< 2	0.83	< 0.5	12	14	48	3.73	< 10	< 1	0.18	10	0.83	1305

CERTIFICATION : B. Caufield

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE . NORTH VANCOUVER.
BRITISH COLUMBIA. CANADA V7J-2C1
PHONE (604) 984-0221

To : EQUITY ENGINEERING LTD.

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

Project : LOT D
Comments: ATTN: DAVID A CAULFIELD

Date : 19-OCT-89
Invoice # : I-8927662
P.O. # : HIG 89-1

CERTIFICATE OF ANALYSIS A8927662

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
463207	201	238	1	0.01	15	1020	< 2	< 5	5	41	0.13	< 10	< 10	77	< 10	96
463208	201	238	1	0.01	12	1480	6	< 5	4	43	0.16	< 10	< 10	91	< 10	118
463209	203	238	8	0.03	22	1100	< 2	< 5	4	51	0.18	< 10	< 10	86	< 10	150
463210	201	238	25	0.02	9	1230	< 2	< 5	5	55	0.22	< 10	< 10	101	< 10	152
463211	201	238	52	0.01	22	1630	2	< 5	6	53	0.17	< 10	< 10	91	< 10	178
463212	203	238	72	0.01	10	1080	4	< 5	4	37	0.13	< 10	< 10	72	< 10	88
463213	201	238	35	< 0.01	11	1710	10	< 5	6	60	0.20	< 10	< 10	103	< 10	148
463214	201	238	18	< 0.01	11	1880	10	< 5	5	61	0.20	< 10	< 10	105	< 10	106
463215	201	238	25	< 0.01	10	1900	16	< 5	5	64	0.19	< 10	< 10	101	< 10	136
463216	201	238	27	< 0.01	7	1800	8	< 5	6	71	0.20	< 10	< 10	101	< 10	158
463217	201	238	91	0.01	7	1060	12	< 5	3	60	0.16	< 10	10	67	< 10	88
463218	201	238	36	0.01	7	1020	8	< 5	3	52	0.13	< 10	< 10	61	< 10	108
463219	201	238	29	< 0.01	9	1500	4	< 5	5	55	0.18	< 10	< 10	92	< 10	110
463220	201	238	31	< 0.01	7	1480	< 2	< 5	4	62	0.15	< 10	< 10	80	< 10	110
463221	201	238	20	< 0.01	8	1520	8	< 5	4	56	0.13	< 10	< 10	74	< 10	116

CERTIFICATION : B. Caufield

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212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To : EQUITY ENGINEERING LTD.

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

Project : HIG 89-01
Comments: ATTN: DAVID A CAULFIELD

RECEIVED
OCT 20 1989

Page No. : 1-A
Tot. Pages: 2
Date : 19-OCT-89
Invoice # : I-8927663
P.O. # :

CERTIFICATE OF ANALYSIS---A8927663

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
447022	205	238	185	0.42	2.4	10	30	< 0.5	< 2	0.43	11.5	6	151	179	1.46	< 10	< 1	0.04	< 10	0.31	335
447023	205	238	< 5	2.02	0.6	25	70	< 0.5	< 2	2.03	< 0.5	22	28	139	8.00	< 10	< 1	0.15	< 10	1.90	900
447024	205	238	55	0.52	< 0.2	10	100	< 0.5	< 2	0.65	< 0.5	23	66	116	2.23	< 10	< 1	0.19	< 10	0.13	80
459141	205	238	30	0.40	< 0.2	< 5	80	< 0.5	< 2	0.47	< 0.5	16	20	68	2.81	< 10	< 1	0.17	< 10	0.08	30
459142	205	238	10	0.80	< 0.2	< 5	180	< 0.5	< 2	0.57	< 0.5	9	21	16	2.93	< 10	< 1	0.44	< 10	0.17	60
459143	205	238	< 5	1.16	< 0.2	5	220	< 0.5	< 2	0.82	< 0.5	7	32	15	3.28	< 10	< 1	0.46	< 10	0.52	165
459144	205	238	70	1.05	< 0.2	< 5	180	< 0.5	< 2	0.53	< 0.5	11	34	45	4.25	< 10	< 1	0.47	< 10	0.58	165
459145	205	238	250	0.25	91.6	5	30	< 0.5	< 2	0.08	1.5	6	147	1555	1.27	< 10	< 1	0.04	< 10	0.16	355
459146	205	238	85	0.21	0.4	< 5	580	< 0.5	< 2	7.25	< 0.5	13	22	28	5.20	< 10	< 1	0.08	< 10	0.61	1675
459147	205	238	< 5	0.37	1.2	40	90	< 0.5	< 2	0.22	< 0.5	8	41	64	5.54	< 10	< 1	0.25	< 10	0.03	125
459148	205	238	< 5	0.42	< 0.2	< 5	130	< 0.5	< 2	0.62	< 0.5	12	155	6	1.98	< 10	< 1	0.21	< 10	0.16	835
459149	205	238	5	2.34	< 0.2	35	280	< 0.5	< 2	1.90	10.0	18	35	41	4.48	< 10	< 1	0.81	< 10	1.94	1780
459150	205	238	< 5	0.17	1.8	45	50	< 0.5	< 2	0.07	< 0.5	3	17	29	3.78	< 10	< 1	0.09	< 10	0.03	325
459848	205	238	5	2.05	< 0.2	5	600	< 0.5	< 2	1.37	< 0.5	18	42	375	3.21	< 10	< 1	0.91	< 10	1.86	560
459849	205	238	< 5	1.35	< 0.2	5	210	< 0.5	< 2	1.68	< 0.5	32	51	34	3.59	10	< 1	0.40	< 10	0.68	260
459850	205	238	65	1.21	< 0.2	5	90	< 0.5	4	0.83	< 0.5	30	21	79	6.12	< 10	< 1	0.84	< 10	0.70	270
463222	205	238	< 5	2.52	< 0.2	10	1340	< 0.5	2	1.01	< 0.5	21	40	66	4.26	< 10	< 1	1.17	< 10	1.85	810
463225	205	238	< 5	2.00	< 0.2	5	650	< 0.5	2	0.91	< 0.5	10	45	15	3.25	< 10	< 1	0.92	< 10	1.26	750
463227	205	238	< 5	1.49	< 0.2	< 5	80	< 0.5	4	2.13	0.5	25	32	154	4.73	< 10	< 1	0.29	< 10	0.74	675
463228	205	238	< 5	2.67	< 0.2	< 5	320	< 0.5	2	2.50	< 0.5	8	54	153	5.13	< 10	< 1	0.71	< 10	1.44	1130
463231	205	238	< 5	0.29	< 0.2	< 5	40	< 0.5	2	0.30	< 0.5	4	207	46	0.85	< 10	< 1	0.12	< 10	0.20	210
463233	205	238	< 5	0.89	< 0.2	< 5	30	< 0.5	< 2	2.07	0.5	6	169	23	2.01	< 10	< 1	0.03	< 10	0.64	505
463234	205	238	85	0.79	3.2	10	70	< 0.5	< 2	0.20	1.0	14	232	1405	2.24	< 10	< 1	0.02	< 10	0.64	310
463235	205	238	< 5	2.21	< 0.2	25	250	< 0.5	< 2	0.45	< 0.5	23	187	152	5.00	10	< 1	1.86	< 10	2.05	445
463236	205	238	< 5	0.50	< 0.2	< 5	30	< 0.5	< 2	0.55	< 0.5	3	113	23	0.60	< 10	< 1	0.16	< 10	0.11	185
463238	205	238	< 5	1.17	< 0.2	15	130	< 0.5	4	0.20	< 0.5	17	69	50	2.89	< 10	< 1	0.79	< 10	0.78	280
463239	205	238	< 5	1.95	< 0.2	25	130	< 0.5	< 2	1.04	< 0.5	12	63	92	4.13	10	< 1	0.78	< 10	1.18	345
463241	205	238	< 5	2.52	0.2	< 5	60	< 0.5	< 2	1.18	< 0.5	13	54	89	4.67	10	< 1	0.75	< 10	1.06	230
463242	205	238	< 5	0.71	< 0.2	25	180	< 0.5	2	0.92	2.5	8	85	47	2.48	< 10	< 1	0.40	20	0.56	395
463243	205	238	115	0.57	0.2	10	20	< 0.5	< 2	0.81	< 0.5	24	92	258	4.56	< 10	< 1	0.23	< 10	0.43	160
463244	205	238	30	0.57	< 0.2	< 5	60	< 0.5	< 2	0.20	< 0.5	14	177	69	1.83	< 10	< 1	0.17	< 10	0.34	195
463245	205	238	< 5	0.34	< 0.2	< 5	30	< 0.5	< 2	0.13	< 0.5	3	108	15	0.66	< 10	< 1	0.07	< 10	0.13	145
463247	205	238	10	1.90	< 0.2	< 5	320	< 0.5	2	0.58	< 0.5	14	44	263	3.97	10	< 1	1.12	< 10	1.44	470
463248	205	238	< 5	0.36	< 0.2	< 5	640	< 0.5	< 2	1.51	< 0.5	5	60	35	1.62	< 10	< 1	0.09	< 10	0.27	680
463249	205	238	< 5	2.53	< 0.2	< 5	370	< 0.5	4	1.99	< 0.5	20	50	217	5.15	10	< 1	1.19	< 10	1.52	615
463251	205	238	< 5	1.12	3.4	< 5	130	< 0.5	< 2	1.56	1.0	11	133	3200	2.23	< 10	< 1	0.43	< 10	0.89	450
463252	205	238	< 5	0.79	< 0.2	< 5	80	< 0.5	< 2	1.23	< 0.5	16	38	39	2.77	10	< 1	0.38	< 10	0.43	230
463253	205	238	< 5	0.71	< 0.2	< 5	660	< 0.5	< 2	9.80	0.5	18	28	78	3.28	< 10	< 1	0.33	< 10	1.04	1670
463254	205	238	3170	0.31	32.4	15	140	< 0.5	2	0.38	4.5	7	130	>10000	2.93	< 10	< 1	0.02	< 10	0.26	270
463255	205	238	125	3.38	2.6	15	60	< 0.5	8	0.56	>100.0	33	48	921	11.05	10	< 1	0.77	< 10	1.95	950

CERTIFICATION : B. Caufield

Chemex Labs Ltd.

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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.
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Project : HIG 89-01
Comments: ATTN: DAVID A. CAULFIELD

Date : 19-OCT-89
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CERTIFICATE OF ANALYSIS A8927663

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
447022	205	238	2	< 0.01	5	130	524	< 5	2	14	0.01	< 10	< 10	16	< 10	568
447023	205	238	1	0.01	7	1980	26	< 5	9	186	< 0.01	< 10	< 10	128	< 10	118
447024	205	238	17	0.01	10	1480	8	< 5	4	70	0.20	< 10	< 10	43	< 10	14
459141	205	238	1	< 0.01	5	1660	4	< 5	2	14	0.19	< 10	< 10	17	< 10	8
459142	205	238	3	0.01	3	1960	2	< 5	2	13	0.21	< 10	< 10	23	< 10	12
459143	205	238	< 1	0.03	5	2480	12	< 5	6	68	0.23	< 10	< 10	55	< 10	50
459144	205	238	1	0.01	5	1290	< 2	< 5	3	56	0.33	< 10	< 10	44	< 10	44
459145	205	238	< 1	< 0.01	4	240	3590	< 5	1	13	< 0.01	< 10	< 10	9	< 10	120
459146	205	238	< 1	0.01	5	1030	80	< 5	9	161	< 0.01	< 10	< 10	12	< 10	66
459147	205	238	3	< 0.01	5	1830	76	< 5	1	12	< 0.01	< 10	< 10	9	< 10	26
459148	205	238	< 1	0.02	6	980	4	< 5	1	35	< 0.01	< 10	< 10	16	< 10	22
459149	205	238	< 1	0.01	15	1590	52	< 5	5	76	0.14	< 10	< 10	77	< 10	1175
459150	205	238	8	< 0.01	3	1110	72	< 5	< 1	6	< 0.01	< 10	< 10	3	< 10	90
459848	205	238	< 1	0.02	7	1700	4	< 5	3	88	0.25	< 10	< 10	90	< 10	80
459849	205	238	92	0.03	11	2700	< 2	< 5	6	181	0.29	< 10	< 10	96	< 10	26
459850	205	238	6	< 0.01	11	2250	10	< 5	3	40	0.25	< 10	< 10	53	< 10	46
463222	205	238	< 1	0.01	6	1920	2	< 5	6	92	0.20	< 10	< 10	130	< 10	96
463225	205	238	< 1	0.03	3	960	< 2	< 5	4	61	0.19	< 10	< 10	70	< 10	74
463227	205	238	< 1	0.07	6	2400	< 2	< 5	13	149	0.17	< 10	< 10	119	< 10	48
463228	205	238	< 1	0.01	4	1080	< 2	< 5	8	130	0.18	< 10	< 10	107	< 10	106
463231	205	238	< 1	< 0.01	3	40	2	< 5	< 1	10	< 0.01	< 10	< 10	9	< 10	14
463233	205	238	< 1	< 0.01	5	260	8	< 5	1	148	< 0.01	< 10	< 10	14	< 10	44
463234	205	238	< 1	< 0.01	10	130	< 2	< 5	3	6	0.01	< 10	< 10	35	< 10	42
463235	205	238	2	0.04	83	1110	< 2	< 5	13	11	0.27	< 10	< 10	165	< 10	70
463236	205	238	6	0.04	9	80	2	< 5	1	21	0.01	< 10	10	8	< 10	10
463238	205	238	2	0.03	11	410	< 2	< 5	5	8	0.15	< 10	< 10	64	< 10	38
463239	205	238	5	0.08	4	930	6	< 5	7	42	0.25	< 10	< 10	89	< 10	52
463241	205	238	7	0.23	2	1170	< 2	< 5	7	74	0.21	< 10	< 10	86	< 10	38
463242	205	238	3	0.03	21	530	12	< 5	4	77	0.02	< 10	< 10	28	< 10	146
463243	205	238	3	0.04	108	1070	< 2	< 5	2	26	0.16	< 10	< 10	60	< 10	28
463244	205	238	40	0.04	31	130	< 2	< 5	1	17	0.05	< 10	< 10	22	< 10	18
463245	205	238	65	0.03	12	100	< 2	< 5	1	8	0.02	< 10	< 10	9	< 10	14
463247	205	238	7	0.07	2	1010	< 2	< 5	11	28	0.24	< 10	< 10	110	< 10	42
463248	205	238	5	0.04	3	360	8	< 5	4	101	< 0.01	< 10	< 10	28	< 10	30
463249	205	238	2	0.09	4	920	< 2	< 5	13	75	0.24	< 10	< 10	114	< 10	58
463251	205	238	< 1	0.01	9	600	< 2	< 5	2	66	0.13	< 10	< 10	53	< 10	58
463252	205	238	1	0.02	4	2050	< 2	< 5	3	111	0.25	< 10	< 10	84	< 10	22
463253	205	238	1	0.01	6	1040	< 2	< 5	11	198	< 0.01	< 10	< 10	51	< 10	52
463254	205	238	1	< 0.01	14	20	< 2	< 5	2	9	< 0.01	< 10	< 10	14	< 10	168
463255	205	238	2	0.01	6	1930	< 2	< 5	10	59	0.23	< 10	< 10	211	10	>10000

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To : EQUITY ENGINEERING LTD.

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

Project : HIG 89-01
Comments: ATTN: DAVID A CAULFIELD

Date : 19-OCT-89
Invoice # : I-8927663
P.O. # :

CERTIFICATE OF ANALYSIS A8927663

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
463256	205	238	20	1.09	< 0.2	15	150	0.5	< 2	11.80	6.5	32	18	49	5.80	< 10	< 1	0.11	< 10	1.02	2160
463257	205	238	15	0.70	< 0.2	15	130	< 0.5	< 2	0.52	1.0	14	121	73	1.87	< 10	< 1	0.18	< 10	0.46	510
463258	205	238	>10000	1.95	< 0.2	< 5	190	< 0.5	8	0.40	0.5	33	30	208	7.43	< 10	< 1	1.38	< 10	1.18	515
463259	205	238	30	2.39	< 0.2	15	540	< 0.5	< 2	4.20	< 0.5	27	20	183	5.47	10	< 1	1.91	< 10	1.63	1110
463260	205	238	110	0.32	< 0.2	< 5	120	< 0.5	< 2	3.82	< 0.5	4	93	49	0.79	< 10	< 1	0.20	< 10	0.22	615
463261	205	238	40	3.31	< 0.2	30	20	< 0.5	4	0.63	< 0.5	42	27	300	12.85	< 10	< 1	1.18	< 10	3.29	1450
463262	205	238	115	0.63	12.4	< 5	150	< 0.5	8	0.52	0.5	18	67	5070	3.32	< 10	1	0.25	< 10	0.40	525
463263	205	238	420	2.43	< 0.2	< 5	80	1.0	4	1.37	< 0.5	59	56	334	8.38	10	< 1	1.39	< 10	1.71	785
463264	205	238	950	0.31	16.2	< 5	90	< 0.5	2	2.39	1.0	7	81	2380	1.35	< 10	< 1	0.29	< 10	0.54	445
463265	205	238	3930	0.37	26.0	5	120	< 0.5	8	0.19	3.0	11	139	6390	2.40	< 10	< 1	0.12	< 10	0.22	750
463266	205	238	115	0.71	0.2	< 5	260	< 0.5	< 2	2.02	< 0.5	10	97	162	1.57	< 10	< 1	0.40	< 10	0.42	440
463267	205	238	20	2.46	< 0.2	5	300	0.5	8	1.74	< 0.5	41	36	230	5.85	10	< 1	1.22	< 10	1.96	950
463268	205	238	< 5	0.27	< 0.2	< 5	1860	< 0.5	< 2	8.57	< 0.5	14	25	15	4.71	< 10	< 1	0.15	< 10	0.85	1670
463269	205	238	< 5	1.69	< 0.2	5	2590	1.0	6	3.15	< 0.5	16	49	24	4.00	20	< 1	1.16	70	2.02	645
463270	205	238	35	2.04	< 0.2	< 5	420	< 0.5	< 2	5.19	0.5	22	49	99	4.02	< 10	1	1.06	< 10	1.56	835
463271	205	238	100	3.07	< 0.2	10	80	< 0.5	< 2	14.25	< 0.5	15	41	3	5.72	< 10	< 1	0.22	< 10	2.86	1955
463272	205	238	< 5	2.07	< 0.2	< 5	650	< 0.5	2	0.60	< 0.5	24	158	425	4.40	< 10	< 1	1.50	< 10	1.46	530
463273	205	238	10	0.95	< 0.2	< 5	150	< 0.5	2	1.00	< 0.5	26	50	481	3.89	< 10	2	0.60	< 10	0.71	470
463501	205	238	< 5	0.36	< 0.2	20	80	< 0.5	4	2.89	< 0.5	18	30	84	4.36	< 10	1	0.22	< 10	1.27	2950
463502	205	238	30	0.13	< 0.2	< 5	20	< 0.5	< 2	0.06	< 0.5	3	157	8	0.82	< 10	< 1	< 0.01	< 10	0.12	180
463503	205	238	190	0.48	6.8	< 5	70	< 0.5	< 2	0.61	2.0	8	127	2580	1.72	< 10	< 1	0.09	< 10	0.35	380
463504	205	238	15	0.15	1.4	< 5	40	< 0.5	< 2	0.10	< 0.5	2	143	999	0.73	< 10	< 1	0.01	< 10	0.11	290
463505	205	238	< 5	3.25	< 0.2	< 5	60	< 0.5	2	3.57	< 0.5	23	32	30	5.08	10	2	0.06	< 10	3.09	1160
463601	205	238	< 5	0.21	< 0.2	< 5	30	< 0.5	< 2	0.12	< 0.5	< 1	72	32	0.46	< 10	1	0.11	< 10	0.04	200

CERTIFICATION : B. Caufield

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

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

Project : HIG 89-01
Comments: ATTN: DAVID A. CAULFIELD

Date : 19-OCT-89
Invoice # : I-8927663
P.O. # :

CERTIFICATE OF ANALYSIS A8927663

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
463256	205	238	4	0.01	5	1040	4	< 5	6	180	0.03	< 10	< 10	46	< 10	374
463257	205	238	1	< 0.01	3	430	< 2	< 5	< 1	17	0.04	< 10	< 10	18	< 10	82
463258	205	238	9	0.02	7	1260	< 2	< 5	5	45	0.30	< 10	< 10	122	< 10	86
463259	205	238	< 1	0.02	7	2450	< 2	< 5	13	108	0.24	< 10	< 10	177	< 10	76
463260	205	238	< 1	< 0.01	1	260	2	< 5	2	151	0.03	< 10	< 10	17	< 10	18
463261	205	238	76	< 0.01	10	1330	< 2	< 5	2	34	0.23	< 10	< 10	88	< 10	134
463262	205	238	3	< 0.01	4	940	2	< 5	3	20	0.03	< 10	< 10	25	< 10	66
463263	205	238	1	0.02	12	1920	< 2	< 5	9	95	0.31	< 10	< 10	139	< 10	74
463264	205	238	1	0.07	11	650	10	< 5	2	153	0.02	< 10	< 10	16	< 10	56
463265	205	238	3	< 0.01	12	690	< 2	< 5	2	26	0.01	< 10	< 10	28	< 10	78
463266	205	238	5	< 0.01	5	820	2	< 5	3	108	0.05	< 10	< 10	41	< 10	26
463267	205	238	< 1	0.02	9	2190	< 2	< 5	12	115	0.17	< 10	< 10	159	< 10	102
463268	205	238	3	0.02	4	1400	< 2	< 5	14	265	0.01	< 10	< 10	36	< 10	58
463269	205	238	2	0.07	42	2650	14	< 5	6	351	0.27	< 10	< 10	104	< 10	84
463270	205	238	1	0.01	14	1620	< 2	< 5	8	284	0.12	< 10	< 10	92	< 10	62
463271	205	238	< 1	< 0.01	12	750	< 2	< 5	11	1205	0.02	< 10	< 10	84	< 10	98
463272	205	238	< 1	0.03	16	1150	< 2	< 5	3	45	0.25	< 10	< 10	97	< 10	62
463273	205	238	31	0.04	14	1140	< 2	< 5	4	28	0.14	< 10	< 10	93	< 10	64
463501	205	238	1	0.01	6	1640	6	< 5	2	115	< 0.01	< 10	< 10	15	< 10	52
463502	205	238	< 1	< 0.01	4	50	2	< 5	< 1	3	< 0.01	< 10	< 10	5	< 10	10
463503	205	238	1	< 0.01	3	260	2	< 5	2	9	0.02	< 10	< 10	19	< 10	92
463504	205	238	< 1	< 0.01	3	90	4	< 5	< 1	4	< 0.01	< 10	< 10	5	< 10	12
463505	205	238	< 1	0.01	8	1890	4	< 5	5	169	0.26	< 10	< 10	103	< 10	108
463601	205	238	5	0.02	3	40	14	< 5	< 1	7	< 0.01	< 10	< 10	2	< 10	20

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,
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PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

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

Project : LOT D
Comments: ATTN: DAVID A CAULFIELD

Page No. : 1
Tot. Pages: 1
Date : 17-OCT-89
Invoice # : I-8928303
P.O. # : HIG89-1

CERTIFICATE OF ANALYSIS A8928303

SAMPLE DESCRIPTION	PREP CODE		Au FA oz/T
463100	214	--	0.536

CERTIFICATION : W. Stan Browne

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE. NORTH VANCOUVER.
BRITISH COLUMBIA. CANADA V7J-2C1
PHONE (604) 984-0221

To : EQUITY ENGINEERING LTD.

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

Project : HIG89-01
Comments: ATTN: DAVID A CAULFIELD

Page No. : 1
Tot. Pages: 1
Date : 17-OCT-89
Invoice # : I-8928304
P.O. # :

CERTIFICATE OF ANALYSIS A8928304

SAMPLE DESCRIPTION	PREP CODE		Au FA oz/T
463258	214	--	2.200

CERTIFICATION : W. Ten Brancini

Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : 7/11
Comments: ATTN: DAVID CAULFIELD

Invoice Date: 2-NOV-89
Invoice No. : I-8928814
P.O. Number : HIG89-01

CERTIFICATE OF ANALYSIS A8928814

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
459709	201	238	30	2.17	0.2	< 5	240	< 0.5	2	0 .66	1.5	23	21	209	3.89	< 10	< 1	0.38	< 10	1.05	1145
459710	201	238	315	3.00	< 0.2	< 5	340	< 0.5	< 2	1 .08	1.0	18	88	73	3.79	< 10	< 1	0.42	< 10	1.63	1395
459716	201	238	< 5	2.65	< 0.2	45	600	< 0.5	< 2	1 .10	< 0.5	23	52	142	5.13	< 10	< 1	0.81	< 10	2.07	910
459719	203	238	50	2.41	< 0.2	35	620	< 0.5	2	1 .04	< 0.5	30	62	144	5.15	< 10	< 1	0.70	< 10	1.83	1145
463024	203	238	15	2.67	< 0.2	45	610	< 0.5	< 2	0 .89	< 0.5	21	42	97	4.83	< 10	< 1	0.85	10	1.86	1165
463025	201	238	30	2.89	< 0.2	25	760	< 0.5	< 2	1 .05	< 0.5	24	25	116	5.47	< 10	< 1	0.93	20	2.03	1460
463026	203	238	30	1.98	< 0.2	15	310	< 0.5	2	0 .95	< 0.5	18	57	70	3.68	< 10	< 1	0.52	< 10	1.18	775
463027	201	238	5	1.77	< 0.2	5	290	< 0.5	4	0 .73	< 0.5	17	19	60	3.23	< 10	< 1	0.48	< 10	1.19	925
463033	203	238	20	3.04	< 0.2	45	360	< 0.5	2	1 .08	1.0	16	50	56	5.46	< 10	< 1	0.29	< 10	1.52	1515
463035	201	238	< 5	2.92	< 0.2	< 5	190	0.5	2	0 .93	1.5	13	40	52	3.50	< 10	< 1	0.22	10	0.91	985
463036	203	238	10	3.17	< 0.2	15	270	1.5	< 2	1 .22	1.0	14	69	51	3.90	< 10	< 1	0.28	10	1.13	2040
463038	201	238	15	3.03	< 0.2	30	290	0.5	< 2	1 .19	3.5	16	28	50	4.14	< 10	< 1	0.10	10	0.95	4210
463039	201	238	30	2.37	< 0.2	25	650	< 0.5	6	1 .08	< 0.5	19	37	83	4.44	< 10	< 1	0.68	10	1.65	1415
463232	201	238	245	2.18	< 0.2	35	380	< 0.5	< 2	0 .81	< 0.5	23	13	122	4.24	< 10	< 1	0.73	< 10	1.49	975
463237	203	238	20	2.38	< 0.2	15	290	< 0.5	2	0 .64	1.0	29	90	128	5.12	< 10	< 1	0.64	< 10	1.48	1015
463246	203	238	15	2.15	< 0.2	60	230	< 0.5	< 2	0 .72	< 0.5	21	107	95	4.87	< 10	< 1	0.56	< 10	1.37	750
463250	201	238	35	2.61	< 0.2	5	280	< 0.5	< 2	0 .78	1.0	21	94	98	4.71	< 10	< 1	0.71	< 10	1.76	695
463274	201	238	25	1.81	< 0.2	5	280	< 0.5	< 2	2 .34	< 0.5	15	14	83	3.32	< 10	< 1	0.53	< 10	1.35	865
463275	201	238	30	1.73	< 0.2	5	260	< 0.5	2	2 .20	0.5	15	14	78	3.27	< 10	< 1	0.51	< 10	1.30	825
463276	201	238	25	2.43	< 0.2	10	200	< 0.5	< 2	0 .95	0.5	11	24	45	3.44	< 10	< 1	0.32	< 10	1.11	645
463283	203	238	10	2.51	< 0.2	5	1300	< 0.5	< 2	1 .21	< 0.5	26	139	59	4.16	20	< 1	1.13	10	2.44	745
463289	201	238	20	2.35	< 0.2	< 5	140	< 0.5	< 2	0 .84	2.0	26	56	69	3.95	10	< 1	0.23	< 10	1.00	890
463555	203	238	30	2.08	< 0.2	5	390	< 0.5	< 2	0 .99	< 0.5	22	85	66	4.92	10	< 1	0.48	10	1.29	880
463556	203	238	30	2.15	< 0.2	< 5	530	< 0.5	< 2	1 .10	0.5	17	67	62	3.85	10	< 1	0.59	10	1.38	930
463602	203	238	25	1.84	< 0.2	15	340	< 0.5	< 2	0 .75	< 0.5	15	115	95	4.76	10	< 1	0.45	< 10	1.16	560

CERTIFICATION : B. Caufield

Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

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

Project : 7/11
Comments: ATTN: DAVID CAULFIELD

Invoice Date: 2-NOV-89
Invoice No. : I-8928814
P.O. Number : HIG89-01

CERTIFICATE OF ANALYSIS A8928814

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
459709	201	238	17	0.02	20	1120	< 2	< 5	4	46	0.18	< 10	< 10	73	< 10	134
459710	201	238	1	0.09	80	1080	< 2	< 5	7	83	0.18	< 10	< 10	99	< 10	190
459716	201	238	3	0.02	20	1860	6	< 5	8	70	0.24	< 10	< 10	159	< 10	140
459719	203	238	< 1	0.02	16	1680	6	< 5	8	80	0.20	10	< 10	132	< 10	122
463024	203	238	< 1	0.02	18	1950	< 2	< 5	8	127	0.22	< 10	< 10	121	< 10	98
463025	201	238	< 1	0.02	20	2930	8	5	10	169	0.21	< 10	< 10	145	< 10	112
463026	203	238	< 1	0.02	10	1430	< 2	< 5	5	103	0.19	< 10	< 10	91	< 10	74
463027	201	238	< 1	0.01	10	1300	< 2	< 5	4	64	0.16	10	< 10	73	< 10	74
463033	203	238	4	0.03	21	1230	16	5	8	74	0.16	< 10	< 10	144	< 10	256
463035	201	238	1	0.01	20	960	< 2	< 5	5	62	0.14	< 10	< 10	78	< 10	128
463036	203	238	2	0.04	34	1350	< 2	5	7	79	0.14	< 10	< 10	81	< 10	164
463038	201	238	4	0.03	24	1570	14	< 5	5	71	0.10	< 10	< 10	71	< 10	382
463039	201	238	4	0.02	26	2000	4	5	6	109	0.20	< 10	< 10	112	< 10	122
463232	201	238	1	0.01	9	1830	4	< 5	5	64	0.21	10	< 10	97	< 10	98
463237	203	238	5	0.03	41	1100	4	5	7	42	0.22	< 10	< 10	110	< 10	140
463246	203	238	4	0.03	36	1120	2	< 5	7	57	0.23	< 10	< 10	116	< 10	118
463250	201	238	2	0.05	46	1070	< 2	< 5	10	45	0.24	10	10	132	< 10	118
463274	201	238	< 1	0.01	9	2340	< 2	5	8	141	0.12	< 10	< 10	87	< 10	66
463275	201	238	< 1	0.01	7	2210	< 2	< 5	7	131	0.13	< 10	< 10	84	< 10	64
463276	201	238	< 1	0.03	8	1450	< 2	< 5	3	70	0.22	< 10	< 10	125	< 10	96
463283	203	238	< 1	0.06	69	1990	8	< 5	4	193	0.27	< 10	< 10	120	< 10	100
463289	201	238	6	0.03	59	1220	6	< 5	5	49	0.14	< 10	< 10	99	< 10	188
463555	203	238	4	0.03	20	1540	30	5	7	108	0.18	< 10	< 10	125	< 10	130
463556	203	238	2	0.03	21	1660	4	< 5	6	103	0.19	< 10	< 10	99	< 10	114
463602	203	238	16	0.05	27	990	10	5	7	69	0.23	< 10	< 10	121	10	94

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
Analytical Chemists • Geochemists • Registered Assayers
212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To : EQUITY ENGINEERING LTD.
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2
Project : 7/11
Comments: ATTN: DAVID CAULFIELD

Date : 31-OCT-89
Invoice # : I-8928815
P.O. # : HIG89-01

CERTIFICATE OF ANALYSIS A8928815

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	As ppm	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm			
HIG2 0+00M	201	298	20	3	< 0.5	19	130	5.52	1615	4	12	5	136			
HIG2 0+25M	201	298	30	5	< 0.5	15	97	5.37	1040	4	12	5	130			
HIG2 0+50M	201	298	25	6	< 0.5	20	116	5.88	1355	4	12	10	138			
HIG2 0+75M	201	298	15	6	< 0.5	14	123	5.52	735	3	11	5	116			
HIG2 1+00M	201	298	35	6	0.5	14	111	5.77	760	2	17	5	102			
HIG2 1+25M	201	298	10	7	< 0.5	21	159	7.19	1695	< 1	18	< 5	154			
HIG2 1+50M	201	298	50	7	< 0.5	25	149	6.91	1520	1	17	5	144			
HIG2 1+75M	201	298	15	12	< 0.5	25	159	6.86	1650	1	16	5	144			
HIG2 2+00M	201	298	10	6	< 0.5	21	105	6.15	1190	< 1	18	< 5	136			
HIG2 2+25M	201	298	5	5	< 0.5	20	131	6.10	1290	5	22	10	122			
HIG2 2+50M	201	298	15	4	< 0.5	18	116	5.59	1305	1	19	5	122			
HIG2 2+75M	201	298	10	3	< 0.5	11	94	5.53	540	1	16	< 5	90			
HIG2 3+00M	201	298	10	7	< 0.5	19	119	5.61	1140	2	11	< 5	128			
HIG2 3+25M	201	298	30	3	< 0.5	12	103	5.59	580	3	12	< 5	98			
HIG2 3+50M	203	298	10	4	1.5	6	65	3.85	245	1	5	5	44			
HIG2 3+75M	201	298	15	4	1.0	13	98	5.85	1025	3	10	5	88			
HIG2 4+00M	203	298	5	3	< 0.5	4	44	1.89	185	2	3	5	28			
HIG2 4+25M	203	298	< 5	3	0.5	4	54	2.56	145	2	3	5	22			
HIG2 4+50M	201	298	40	6	0.5	11	131	5.02	715	2	9	10	88			
HIG2 4+75M	201	298	5	5	0.5	6	104	5.29	400	1	8	< 5	68			
HIG2 5+00M	201	298	50	6	0.5	12	132	5.71	915	1	10	5	136			
HIG2 5+25M	201	298	35	5	0.5	16	134	5.66	1085	< 1	12	< 5	118			
HIG2 5+75M	201	298	20	4	1.0	6	41	4.63	210	2	11	< 5	36			
HIG2 6+25M	201	298	20	3	0.5	2	40	3.67	160	2	8	5	28			
HIG2 6+50M	203	298	120	1	0.5	2	36	3.09	200	< 1	5	< 5	34			
HIG2 7+50M	201	298	35	3	< 0.5	3	21	3.36	105	3	4	5	18			
HIG3 00+00M	201	298	20	5	< 0.5	3	24	4.54	130	3	2	25	28			
HIG3 00+25M	201	298	< 5	3	0.5	4	17	5.86	230	2	3	15	52			
HIG3 00+50M	201	298	10	4	0.5	2	47	3.18	360	3	3	45	76			
HIG3 00+75M	201	298	< 5	12	0.5	1	21	3.88	165	16	6	35	42			
HIG3 01+00M	201	298	< 5	9	< 0.5	2	24	4.91	180	1	3	40	42			
HIG3 01+25M	201	298	10	39	< 0.5	< 1	28	6.44	515	7	3	20	68			
HIG3 01+50M	201	298	< 5	5	0.5	4	16	3.96	255	< 1	4	5	44			
HIG3 01+75M	201	298	10	3	0.5	2	36	5.89	345	3	3	10	70			
HIG3 02+00M	201	298	100	3	0.5	4	14	5.00	370	< 1	3	10	48			
HIG3 02+25M	201	298	< 5	3	< 0.5	1	7	2.99	270	3	1	5	46			
HIG3 02+50M	201	298	< 5	7	< 0.5	6	25	5.18	370	1	3	15	62			
HIG3 02+75M	201	298	< 5	3	< 0.5	9	101	5.74	555	< 1	4	< 5	92			
HIG3 03+00M	201	298	15	2	0.5	3	16	2.78	170	2	2	< 5	42			
HIG3 03+25M	201	298	10	5	< 0.5	3	21	5.29	230	< 1	1	5	42			

CERTIFICATION : B. Caufield

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE. NORTH VANCOUVER,
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PHONE (604) 984-0221

To : EQUITY ENGINEERING LTD.
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2
Project : 7/11
Comments: ATTN: DAVID CAULFIELD

Date : 31-OCT-89
Invoice # : I-8928815
P.O. # : HIG89-01

CERTIFICATE OF ANALYSIS A8928815

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	As ppm	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm			
HIG3 03+50M	201	298	< 5	3	0.5	10	21	3.26	2110	2	5	< 5	116			
HIG3 03+75M	201	298	< 5	4	0.5	6	44	4.95	365	5	5	5	82			
HIG3 04+00M	201	298	< 5	3	0.5	< 1	14	5.48	135	< 1	2	10	36			
HIG3 04+25M	201	298	< 5	1	< 0.5	1	9	2.21	155	1	1	5	36			
HIG3 04+50M	201	298	< 5	1	< 0.5	1	31	2.08	110	1	1	5	30			
HIG3 04+75M	201	298	< 5	3	< 0.5	4	27	3.70	235	1	3	5	42			
HIG3 05+00M	201	298	< 5	3	< 0.5	5	27	4.44	310	1	4	5	56			
HIG3 05+25M	201	298	< 5	2	< 0.5	6	26	3.92	355	< 1	25	< 5	80			
HIG3 05+50M	201	298	< 5	7	0.5	5	71	4.89	260	3	5	5	72			
HIG3 05+75M	201	298	< 5	5	0.5	2	11	4.04	270	2	4	< 5	60			
HIG3 06+00M	201	298	< 5	5	1.0	16	76	5.02	845	1	7	5	88			
HIG3 06+25M	201	298	< 5	3	2.0	3	42	4.34	200	2	8	5	48			
HIG3 06+50M	201	298	< 5	14	0.5	1	51	2.39	125	3	3	10	46			
HIG3 06+75M	201	298	< 5	22	2.0	5	18	3.11	390	2	4	25	98			
HIG3 07+00M	201	298	< 5	19	2.0	4	17	3.03	380	3	4	30	94			
HIG3 07+25M	201	298	< 5	10	0.5	1	24	3.08	155	3	4	5	38			
HIG3 07+50M	201	298	5	3	1.0	2	30	3.43	515	3	12	5	50			
HIG3 07+75M	201	298	< 5	2	< 0.5	2	30	2.85	290	6	6	< 5	60			
HIG3 08+00M	201	298	< 5	3	0.5	3	66	5.45	290	4	14	5	92			
HIG3 08+25M	201	298	50	2	0.5	1	9	4.14	250	4	3	10	44			
HIG3 08+50M	203	298	< 5	2	< 0.5	< 1	3	0.91	95	2	2	< 5	42			
HIG3 08+75M	201	298	45	3	< 0.5	1	7	4.94	320	2	1	< 5	44			
HIG3 09+00M	201	298	< 5	7	< 0.5	7	35	6.81	605	< 1	4	5	78			
HIG3 09+25M	201	298	< 5	35	1.0	< 1	15	4.22	180	6	8	15	52			
HIG3 09+50M	201	298	< 5	4	< 0.5	3	52	4.60	340	3	14	< 5	70			
HIG3 09+75M	201	298	740	17	1.0	3	54	3.51	275	3	6	5	68			
HIG3 10+00M	201	298	< 5	9	1.0	1	56	4.18	200	< 1	6	5	48			
HIG3 10+25M	201	298	40	16	1.0	2	62	3.65	310	3	3	5	40			
HIG3 10+50M	201	298	90	38	1.0	2	78	2.56	250	8	9	< 5	46			
HIG3 10+75M	201	298	45	14	3.5	1	16	3.05	285	3	6	15	40			
HIG3 11+00M	201	298	35	27	0.5	1	72	4.15	195	6	6	10	42			
HIG3 11+25M	201	298	< 5	2	0.5	4	6	2.19	165	2	33	< 5	28			
HIG3 11+50M	201	298	< 5	3	1.0	1	10	2.13	110	1	16	5	24			
HIG3 11+75M	201	298	< 5	5	0.5	3	37	4.22	220	2	25	50	62			
HIG3 12+00M	201	298	50	16	1.5	3	21	3.68	585	1	18	10	66			
HIG3 12+25M	201	298	45	27	0.5	4	47	4.57	260	1	36	5	58			
HIG3 12+50M	201	298	65	38	1.0	19	52	4.39	700	1	53	70	136			
HIG3 12+75M	201	298	< 5	2	< 0.5	< 1	< 1	1.30	65	1	2	5	10			
HIG3 13+00M	201	298	< 5	2	< 0.5	1	6	1.12	145	2	2	< 5	16			
HIG3 13+25M	201	298	< 5	4	0.5	2	17	4.67	280	3	5	5	44			

CERTIFICATION : B. Caufield

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2
Project : 7/11
Comments: ATTN: DAVID CAULFIELD

Date : 31-OCT-89
Invoice # : I-8928815
P.O. # : HIG89-01

CERTIFICATE OF ANALYSIS A8928815

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	As ppm	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm			
HIG3 13+50M	201	298	< 5	3	< 0.5	< 1	1	1.26	65	1	< 1	< 5	10			
HIG3 13+75M	201	298	5	4	0.5	8	65	2.81	530	5	7	5	22			
HIG3 14+00M	201	298	70	4	0.5	1	27	2.18	135	8	2	5	18			
HIG3 14+25M	201	298	< 5	25	0.5	2	13	5.81	120	2	18	5	30			
HIG3 14+50M	201	298	< 5	11	0.5	1	14	4.13	195	< 1	3	< 5	46			
HIG3 14+75M	201	298	40	41	< 0.5	1	14	2.65	175	1	4	10	32			
HIG3 15+00M	201	298	175	61	< 0.5	4	28	5.46	425	< 1	5	10	86			
HIG3 15+25M	201	298	5	17	0.5	6	65	4.41	530	2	16	< 5	100			
HIG3 15+50M	201	298	< 5	3	0.5	6	7	4.57	1315	1	4	10	94			
HIG3 15+75M	201	298	20	17	0.5	6	11	5.15	880	1	13	10	76			
HIG3 16+00M	201	298	5	6	0.5	11	17	4.72	860	1	16	5	90			
HIG3 16+25M	201	298	30	38	1.0	9	67	3.06	805	< 1	30	80	110			
HIG3 16+50M	201	298	30	22	< 0.5	2	22	4.19	330	2	4	20	70			
HIG3 16+75M	201	298	395	135	1.0	5	84	4.38	475	2	14	345	178			
HIG3 17+00M	201	298	40	16	0.5	3	21	3.61	300	3	3	10	46			
HIG3 17+25M	201	298	< 5	3	0.5	< 1	29	3.43	75	15	6	5	28			
HIG3 17+50M	201	298	< 5	2	0.5	2	115	3.60	115	10	9	10	40			
PLH 00+00N	201	298	< 5	5	1.0	2	23	4.60	240	1	4	30	102			
PLH 00+25N	201	298	< 5	3	0.5	4	10	3.68	270	2	8	45	90			
PLH 00+50N	203	298	< 5	4	< 0.5	4	4	2.46	185	4	2	5	54			
PLH 00+75N	203	298	< 5	9	0.5	9	46	3.86	1635	5	11	15	198			
PLH 01+00N	203	298	< 5	2	< 0.5	5	10	3.21	205	< 1	2	5	52			
PLH 01+25N	201	298	30	5	1.0	15	85	4.80	1425	6	20	< 5	90			
PLH 01+50N	203	298	285	4	0.5	3	5	1.60	110	1	3	< 5	40			
PLH 01+75N	201	298	5	3	1.0	4	7	3.70	805	2	2	10	58			
PLH 02+00N	203	298	< 5	2	0.5	1	6	1.60	125	1	4	5	52			
PLH 02+25N	201	298	< 5	3	< 0.5	< 1	5	5.45	130	1	4	10	36			
PLH 02+50N	201	298	50	4	0.5	4	37	3.82	220	1	6	5	54			
PLH 02+75N	201	298	< 5	1	< 0.5	< 1	3	1.22	85	1	2	10	26			
PLH 03+00N	201	298	30	5	< 0.5	4	18	5.19	300	1	5	< 5	86			
PLH 03+25N	201	298	< 5	4	1.0	2	11	4.58	160	< 1	4	< 5	52			
PLH 03+50N	201	298	< 5	9	1.0	15	44	4.04	2330	2	17	5	112			
PLH 03+75N	201	298	< 5	14	0.5	7	45	4.35	420	1	20	5	128			
PLH 04+00N	201	298	< 5	4	0.5	2	11	2.00	220	4	4	5	58			
PLH 04+25N	201	298	< 5	4	0.5	2	8	1.18	215	2	8	5	72			
PLH 04+50N	201	298	< 5	3	0.5	11	40	5.44	1185	2	18	< 5	196			
PLH 04+75N	201	298	< 5	5	1.0	3	27	6.70	235	< 1	7	5	74			
PLH 05+00N	201	298	< 5	4	0.5	9	40	3.47	2950	1	29	5	266			
PLH 05+25N	201	298	80	4	0.5	4	45	4.05	225	1	6	< 5	62			
PLH 05+50N	201	298	< 5	4	0.5	9	42	2.69	4360	5	30	5	200			

CERTIFICATION : B. Caglione

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
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PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2
Project : 7/11
Comments: ATTN: DAVID CAULFIELD

Date : 31-OCT-89
Invoice # : I-8928815
P.O. # : HIG89-01

CERTIFICATE OF ANALYSIS A8928815

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	As ppm	Ag ppm	Co ppm	Cu ppm	Fe %	Mn ppm	Mo ppm	Ni ppm	Pb ppm	Zn ppm			
PLH 05+75N	201	298	20	3	0.5	10	33	6.51	555	< 1	6	20	200			
PLH 06+00N	201	298	< 5	3	0.5	8	30	5.73	225	1	52	< 5	106			
PLH 06+25N	201	298	5	1	< 0.5	2	60	3.34	160	< 1	6	5	84			
PLH 06+50N	201	298	< 5	7	1.0	4	59	6.34	205	< 1	8	< 5	78			
PLH 06+75N	201	298	< 5	5	0.5	4	28	7.49	255	1	10	5	70			
PLH 07+00N	201	298	< 5	3	0.5	15	33	3.04	1550	< 1	10	5	108			
PLH 07+25N	201	298	< 5	4	0.5	4	22	6.21	205	1	5	5	56			
PLH 07+50N	201	298	< 5	1	< 0.5	1	6	2.73	85	1	3	< 5	28			
PLH 07+75N	201	298	< 5	5	0.5	5	36	4.10	210	< 1	7	< 5	58			
PLH 08+00N	201	298	< 5	14	< 0.5	< 1	16	4.72	100	3	4	10	42			
PLH 08+25N	201	298	< 5	1	< 0.5	2	3	1.86	405	2	1	5	24			
PLH 08+50N	201	298	< 5	5	0.5	7	45	3.96	745	1	8	5	72			
PLH 08+75N	201	298	< 5	6	0.5	7	25	3.78	340	2	8	5	68			
PLH 09+00N	201	298	40	5	< 0.5	4	6	2.54	125	2	11	5	30			
PLH 09+25N	201	298	< 5	3	< 0.5	1	18	2.47	85	2	2	5	30			
PLH 09+50N	201	298	230	2	< 0.5	7	83	2.31	255	2	6	< 5	78			
PLH 09+75N	201	298	< 5	11	1.5	3	71	4.24	185	1	6	15	72			
PLH 10+00N	201	298	10	25	1.0	3	53	6.26	160	1	7	15	76			

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.

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PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

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

Project : 7/11
Comments: ATTN: DAVID CAULFIELD

Page No. : 1-A
Tot. Pages: 1
Date : 30-OCT-89
Invoice # : I-8928816
P.O. # : HIG89-01

CERTIFICATE OF ANALYSIS A8928816

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Au FA oz/T	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
447036	205	238	350	———	2.68	3.8	30	60	< 0.5	4	0.62	20.5	50	39	710	12.90	< 10	< 1	0.26	10	0.94
447037	205	238	50	———	1.64	1.2	20	30	< 0.5	< 2	0.12	3.0	43	30	975	13.45	< 10	< 1	0.91	< 10	0.94
447038	205	238	< 5	———	0.55	< 0.2	20	50	< 0.5	< 2	1.39	< 0.5	11	26	142	3.91	< 10	< 1	0.32	10	0.71
447039	205	238	< 5	———	0.20	< 0.2	< 5	280	< 0.5	< 2	3.48	< 0.5	10	9	43	3.36	< 10	< 1	0.11	< 10	0.66
459967	205	238	< 5	———	0.68	< 0.2	< 5	80	< 0.5	< 2	0.72	< 0.5	10	63	27	1.33	< 10	< 1	0.38	< 10	0.58
459968	205	238	< 5	———	3.06	< 0.2	5	100	< 0.5	< 2	1.83	< 0.5	16	29	95	2.11	< 10	< 1	0.62	< 10	0.68
459969	205	238	45	———	2.21	< 0.2	< 5	780	< 0.5	< 2	0.71	< 0.5	16	22	110	4.34	< 10	< 1	1.46	10	1.32
459970	205	238	20	———	0.96	0.4	30	110	< 0.5	< 2	0.46	< 0.5	33	80	249	5.72	< 10	< 1	0.53	< 10	0.69
463040	205	238	< 5	———	0.40	0.2	5	< 10	< 0.5	< 2	0.97	< 0.5	11	40	188	2.68	< 10	< 1	< 0.01	< 10	0.16
463041	205	238	>10000	1.114	0.03	128.0	15	< 10	< 0.5	208	0.03	2.5	14	79	9240	4.38	< 10	< 1	< 0.01	< 10	< 0.01
463042	205	238	780	———	3.45	0.8	< 5	1500	< 0.5	< 2	0.85	< 0.5	8	17	113	4.75	10	< 1	1.93	10	1.86
463043	205	238	40	———	0.40	0.8	20	50	< 0.5	< 2	0.52	< 0.5	27	44	402	4.18	< 10	< 1	0.08	< 10	0.26
463044	205	238	160	———	0.35	1.4	15	20	< 0.5	2	0.14	< 0.5	8	71	299	5.24	< 10	< 1	0.03	< 10	0.22
463045	205	238	380	———	0.28	3.6	25	20	< 0.5	32	0.05	< 0.5	6	82	17	3.54	< 10	< 1	0.02	< 10	0.27
463046	205	238	15	———	2.70	< 0.2	< 5	370	< 0.5	< 2	1.45	< 0.5	15	20	214	3.61	10	< 1	0.71	10	1.06
463284	205	238	220	———	0.20	7.4	10	40	< 0.5	< 2	0.37	< 0.5	5	65	5090	1.98	< 10	< 1	0.09	< 10	0.06
463285	205	238	5	———	3.66	2.4	30	50	< 0.5	< 2	0.83	< 0.5	24	33	2880	7.52	< 10	< 1	0.10	10	2.90
463286	205	238	35	———	1.28	0.2	10	270	< 0.5	< 2	0.61	< 0.5	26	15	119	3.18	< 10	< 1	0.94	< 10	0.75
463287	205	238	5	———	0.35	< 0.2	15	100	< 0.5	< 2	0.50	< 0.5	10	19	79	3.37	< 10	< 1	0.19	< 10	0.07
463288	205	238	270	———	2.25	< 0.2	< 5	330	< 0.5	< 2	0.43	< 0.5	13	8	176	5.62	< 10	< 1	1.68	10	1.57
463290	205	238	< 5	———	0.21	0.2	10	40	0.5	< 2	0.03	< 0.5	2	58	22	1.60	< 10	< 1	0.14	< 10	0.07
463291	205	238	< 5	———	1.41	< 0.2	< 5	180	0.5	2	0.08	< 0.5	5	65	37	3.04	10	< 1	0.93	< 10	0.83
463292	205	238	< 5	———	1.24	< 0.2	5	280	0.5	2	0.07	< 0.5	1	58	18	2.99	< 10	< 1	0.96	< 10	0.69
463293	205	238	< 5	———	0.11	< 0.2	< 5	30	< 0.5	< 2	0.01	< 0.5	2	49	13	0.85	< 10	< 1	0.06	< 10	< 0.01
463294	205	238	< 5	———	2.23	< 0.2	< 5	430	0.5	< 2	0.49	< 0.5	8	59	76	3.19	< 10	< 1	1.28	< 10	0.94

CERTIFICATION : B. Caufield

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To : EQUITY ENGINEERING LTD.

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

Project : 7/11
Comments: ATTN: DAVID CAULFIELD

Date : 30-OCT-89
Invoice # : I-8928816
P.O. # : HIG89-01

CERTIFICATE OF ANALYSIS A8928816

SAMPLE DESCRIPTION	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
447036	205 238	1130	2	0.01	22	670	682	< 5	3	19	< 0.01	< 10	< 10	59	< 10	2060
447037	205 238	390	4	0.02	48	420	40	< 5	3	4	0.12	< 10	< 10	47	< 10	464
447038	205 238	545	< 1	0.02	15	700	6	< 5	3	63	0.02	< 10	< 10	25	< 10	120
447039	205 238	835	< 1	0.03	13	550	4	< 5	5	211	< 0.01	< 10	< 10	19	< 10	96
459967	205 238	220	< 1	0.04	14	1730	4	< 5	2	30	0.06	< 10	< 10	36	< 10	46
459968	205 238	205	< 1	0.28	11	1820	4	< 5	2	231	0.08	< 10	< 10	51	< 10	42
459969	205 238	525	2	0.07	10	1810	< 2	< 5	4	42	0.18	< 10	< 10	119	< 10	82
459970	205 238	300	170	0.05	70	770	< 2	< 5	3	23	0.12	< 10	< 10	47	< 10	50
463040	205 238	310	2	0.01	6	660	< 2	< 5	2	17	0.03	< 10	< 10	40	< 10	16
463041	205 238	30	4	0.01	4	10	236	< 5	< 1	1	< 0.01	< 10	< 10	< 1	< 10	126
463042	205 238	585	< 1	0.21	1	1040	6	< 5	6	60	0.28	< 10	< 10	125	< 10	72
463043	205 238	190	32	0.03	2	380	< 2	< 5	1	14	0.03	< 10	< 10	23	< 10	26
463044	205 238	85	13	0.02	3	100	2	< 5	1	7	< 0.01	< 10	< 10	13	340	32
463045	205 238	330	1	0.01	6	10	18	< 5	1	1	0.01	< 10	< 10	11	10	28
463046	205 238	435	11	0.27	1	930	2	5	2	126	0.15	< 10	< 10	68	< 10	62
463284	205 238	465	1	0.01	5	640	< 2	< 5	1	8	< 0.01	< 10	< 10	11	< 10	40
463285	205 238	735	2	0.01	28	2030	2	< 5	8	19	0.01	< 10	< 10	100	< 10	120
463286	205 238	365	1	0.02	9	1880	4	< 5	2	38	0.20	< 10	< 10	56	< 10	42
463287	205 238	50	3	0.01	3	2100	< 2	< 5	1	8	0.11	< 10	< 10	17	< 10	10
463288	205 238	330	< 1	0.02	2	1800	< 2	< 5	3	20	0.24	< 10	< 10	90	< 10	44
463290	205 238	60	40	0.02	1	140	8	< 5	< 1	4	0.01	< 10	< 10	7	< 10	14
463291	205 238	480	2	0.03	5	430	< 2	< 5	6	6	0.17	< 10	< 10	83	< 10	38
463292	205 238	370	1	0.03	1	330	< 2	< 5	6	6	0.18	< 10	< 10	88	< 10	34
463293	205 238	200	9	0.02	1	120	2	< 5	< 1	2	< 0.01	< 10	< 10	2	< 10	10
463294	205 238	345	< 1	0.06	13	440	2	< 5	6	48	0.20	< 10	< 10	85	< 10	76

CERTIFICATION : B. Caufield

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA. CANADA V7J-2C1
PHONE (604) 984-0221

To : EQUITY ENGINEERING LTD.

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

Project : PL 7-11
Comments: ATTN: BRUNO KASPER

Page No. : 1
Tot. Pages: 1
Date : 7-NOV-89
Invoice # : I-8929195
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8929195

SAMPLE DESCRIPTION	PREP CODE		Cu %
R463110	214	---	2.09

CERTIFICATION : W. Stan Mezzini

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2
Project : LOT D
Comments: ATTN: BRUNO KASPER

Page No. : 1
Tot. Pages: 1
Date : 6-NOV-89
Invoice # : I-8929196
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8929196

SAMPLE DESCRIPTION	PREP CODE		Zn %
463099	214	--	6.24

CERTIFICATION : W. Thomson

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2
Project : HIG 89-01
Comments: ATTN: BRUNO KASPER

Date : 6-NOV-89
Invoice # : I-8929197
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8929197

SAMPLE DESCRIPTION	PREP CODE		Cu %	Zn %
463254	214	--	2.33	-----
463255	214	--	-----	2.07

CERTIFICATION : W. Glen Amanini

Chemex Labs Ltd.

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212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To : EQUITY ENGINEERING LTD.

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

Project : PL7-11
Comments:

Page No. : 1-A
Tot. Pages: 1
Date : 10-NOV-89
Invoice # : I-8929617
P.O. # : HIG89-01

CERTIFICATE OF ANALYSIS A8929617

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
447040	205	238	20	1.18	0.2	5	160	< 0.5	2	0.91	< 0.5	25	18	130	5.48	< 10	< 1	0.70	< 10	0.58	185
459975	205	238	10	0.79	0.4	30	110	< 0.5	< 2	0.44	< 0.5	26	21	45	5.60	< 10	< 1	0.32	< 10	0.40	215
459976	205	238	10	2.12	0.6	15	190	< 0.5	< 2	2.81	1.5	14	23	144	4.03	< 10	< 1	0.72	< 10	1.67	3490
459977	205	238	< 5	3.32	< 0.2	< 5	220	< 0.5	< 2	1.36	< 0.5	17	57	127	4.38	< 10	< 1	1.90	< 10	2.01	1685

CERTIFICATION : B. Caglione

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

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

Project : PL7-11
Comments:

Page No. : 1-B
Tot. Pages: 1
Date : 10-NOV-89
Invoice # : I-8929617
P.O. # : HIG89-01

CERTIFICATE OF ANALYSIS A8929617

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
447040	205	238	4	0.01	7	2820	8	< 5	7	44	0.33	< 10	< 10	87	< 10	42
459975	205	238	3	< 0.01	13	1900	22	< 5	2	18	0.03	< 10	< 10	20	< 10	50
459976	205	238	< 1	0.01	15	2060	20	5	4	53	0.10	< 10	< 10	71	< 10	340
459977	205	238	< 1	0.13	7	1950	16	5	6	46	0.30	< 10	< 10	151	< 10	196

CERTIFICATION : B. Caughlin

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

TO: Equity Engineering Ltd.
207 - 675 W. Hastings Street
Vancouver, BC
V6B 1N2

Attention: Bruno Casper

* Page No. : 1-A
Tot. Pages: 1
Date : 14-DEC-89
Invoice # : I-8931825
P.O. # : ~~KGG~~89-01
HC

CERTIFICATE OF ANALYSIS A8931825

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
463127	201	238	10	2.51	< 0.2	10	130	< 0.5	4	0.42	0.5	17	30	59	3.87	< 10	< 1	0.24	10	0.98	900

CERTIFICATION : B. Caplin

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: Equity Engineering Ltd.
207 - 675 W. Hastings Street
Vancouver, BC
V6B 1N2

Attn: Bruno Casper

* Page No. : 1-B
Tot. Pages: 1
Date : 14-DEC-89
Invoice # : I-8931825
P.O. # : KGG89-01
HIC

CERTIFICATE OF ANALYSIS A8931825

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
463127	201	238	37	0.02	22	1220	4	< 5	4	28	0.16	< 10	< 10	101	< 10	120

CERTIFICATION : B. Cargh

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

To : EQUITY ENGINEERING LTD.

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

Project : 7/11
Comments: ATTN: DAVID CAULFIELD

Page No. : 1
Tot. Pages: 1
Date : 17-DEC-89
Invoice # : I-8931828
P.O. # : HIG89-01

CERTIFICATE OF ANALYSIS A8931828

SAMPLE DESCRIPTION	PREP CODE		Ag FA oz/T									
463041	214	--	4.49									

CERTIFICATION : A Chmet

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To : EQUITY ENGINEERING LTD.

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

Project : HIG 89-01
Comments: ATTN: DAVID CAULFIELD

Page No. : 1
Tot. Pages: 1
Date : 17-DEC-89
Invoice # : I-8931830
P.O. # :

CERTIFICATE OF ANALYSIS A8931830

SAMPLE DESCRIPTION	PREP CODE		Au FA oz/T
463254	214	--	0.075
463265	214	--	0.033

CERTIFICATION : Allnutt

APPENDIX D

STATEMENTS OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, DAVID A. CAULFIELD, of 3142 Gambier Street, Coquitlam, in the Province of British Columbia, DO HEREBY CERTIFY:

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

2. THAT I am a graduate of the University of British Columbia with a Bachelor of Science degree in Geology.

3. THAT I am a Fellow of the Geological Association of Canada.

4. THAT this report is based on fieldwork carried out by personnel of Equity Engineering Ltd. in September and October 1989, government publications and assessment reports filed with the Province of British Columbia. I have not examined the property, although I have extensive experience on other properties in the Galore Creek district.

5. THAT I directly and indirectly own 54,965 shares of Pass Lake Resources Ltd. I have no interest, directly or indirectly, in the securities or property of Royce Industries Inc. or any of its affiliates.

6. THAT I consent to the use by Royce Industries Inc. of this report in a Prospectus or any other such document as may be required by the Vancouver Stock Exchange or the Office of the Superintendant of Brokers.

DATED at Vancouver, British Columbia, this 31 day of December, 1989.

D. A. Caulfield

David A. Caulfield, F.G.A.C.

GEOLOGICAL ASSOCIATION OF CANADA FELLOW

STATEMENT OF QUALIFICATIONS

I, BRUNO KASPER, of 101-1990 West 6th Avenue, Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

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

2. THAT I am a graduate of the University of Alberta with a Bachelor of Science degree in Geology.

3. THAT my primary employment since June, 1988 has been in the field of mineral exploration.

4. THAT this report is based on fieldwork carried out under my direction.

5. THAT I directly and indirectly own 2000 shares of Pass Lake Resources Ltd. I have no interest, directly or indirectly, in the securities or property of Royce Industries Inc. or any of its affiliates.

6. THAT I consent to the use by Royce Industries Inc. of this report in a Prospectus or any other such document as may be required by the Vancouver Stock Exchange or the Office of the Superintendant of Brokers.

DATED at Vancouver, British Columbia, this 31 day of December, 1989.

Bruno Kasper, Geologist

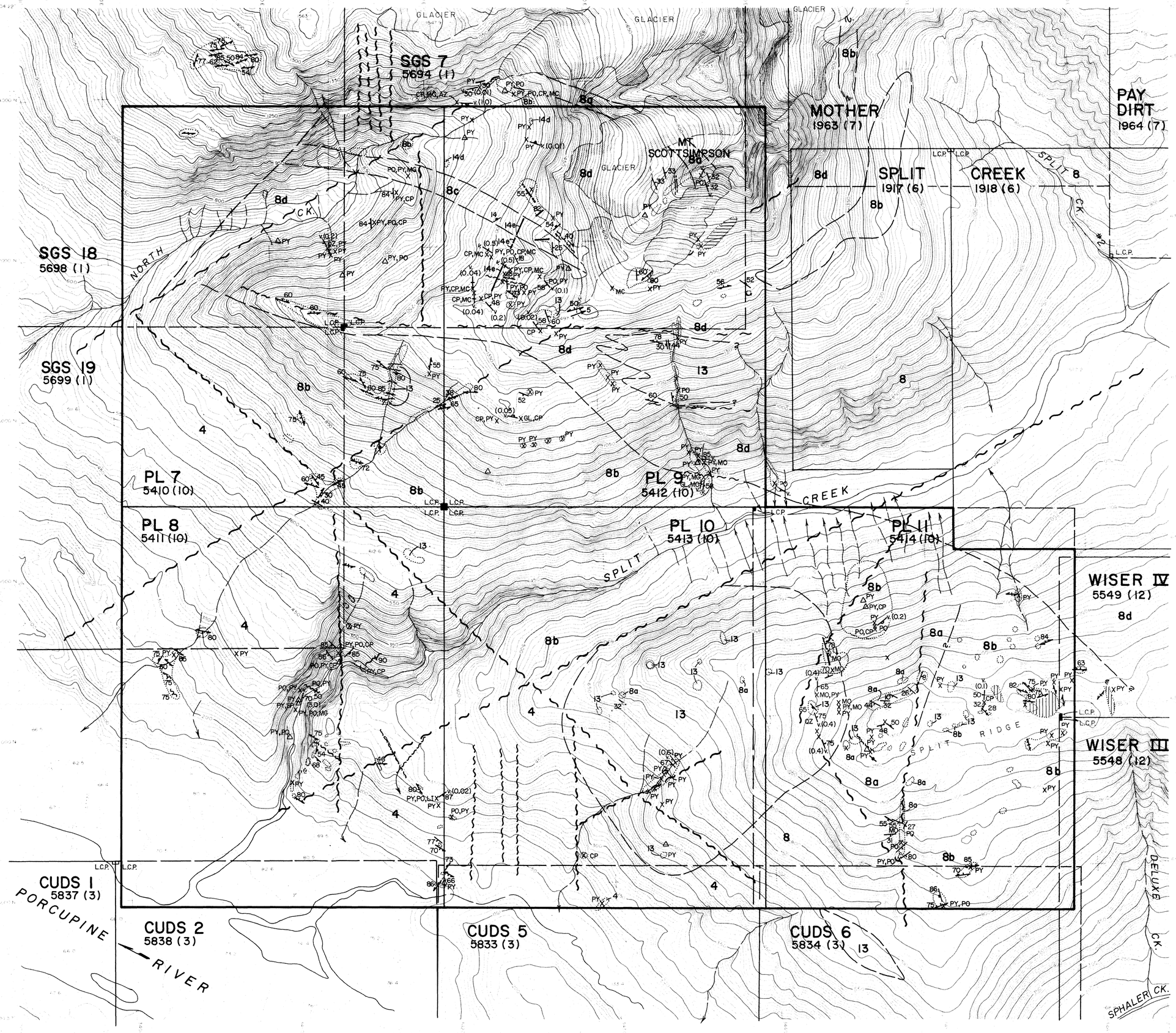
APPENDIX E

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES
PL 7-11 Claims
August 29 - October 10, 1989

PROFESSIONAL FEES AND WAGES:		
Jim Lehtinen, Project Geologist		
6.5 days @ $350/day	$ 2,275.00	
David St. Clair Dunn, Geologist		
1.0 days @ $250/day	250.00	
Mike Gerassimoff, Geologist		
8.0 days @ $250/day	2,000.00	
Marthe Archambault, Geologist		
8.0 days @ $250/day	2,000.00	
Bruno Kasper, Geologist		
4.0 days @ $250/day	1,000.00	
Kika Ross, Geologist		
4.0 days @ $250/day	1,000.00	
Donald McInnes, Project Manager		
0.5 days @ $300/day	150.00	
Ray Cournoyer, Prospector		
8.0 days @ $250/day	2,000.00	
Cathy Ridley, Prospector		
9.0 days @ $250/day	2,250.00	
David Ridley, Prospector		
3.0 days @ $250/day	750.00	
Derek Roulston, Sampler		
1.0 days @ $175/day	175.00	
Dan Cosgrove, Sampler		
6.0 days @ $175/day	1,050.00	
Rob Landrigan, Sampler		
3.0 days @ $175/day	525.00	
David Hicks, Sampler		
6.0 days @ $175/day	1,050.00	
Ian Anderson, Sampler		
1.0 days @ $175/day	175.00	
David Hutchison, Sampler		
2.0 days @ $175/day	350.00	
		$ 17,000.00
EQUIPMENT RENTALS:		
Handheld Radios		
55 days @ $5/day		275.00
JOINT MOBILIZATION, SUPERVISION AND SUPPORT COSTS:		
Prorated between several claim groups explored concurrently from the Galore Creek camp		13,800.91

CHEMICAL ANALYSES:		
Silt Samples		
61 @ $16.07	$ 980.17	
Soil Samples		
183 @ $14.63	2,678.06	
Rock Geochemical Samples		
157 @ $16.49	2,588.52	
Assays (Cu, Zn, Au)		
9 @ $7.36	66.27	
		$ 6,313.02
EXPENSES:		
Geochemical Supplies	$ 22.00	
Orthophoto Production	3,138.50	
Printing and Reproductions	149.81	
Accomodation	7,149.90	
Helicopter Charters	8,948.52	
Telephone Distance Charges	1.33	
Freight	26.00	
Expediting	6.00	
		19,442.06
MANAGEMENT FEES:		
7.5% on subcontracts; 15% on expenses		4,513.83
REPORT PREPARATION:		
(Estimated)		5,000.00
		$ 66,344.82



LEGEND

TERTIARY

DYKES

- 14d — Gabbroic
- 14e — Biotite Lamprophyre

EOCENE PLUTONS

- 13 — Biotite Quartz Monzonite

JURASSIC - CRETACEOUS

COAST PLUTONIC COMPLEX

- 12 — Grandiorite to Tonalite

UPPER TRIASSIC

STUHINI GROUP

- 8 — Undivided Volcanics, Volcaniclastics and Sediments
- 8a — Interbedded Argillites, Carbonaceous Argillite, Siltstones and Wackes
- 8b — Pyroxene Porphyry Flow and Microdiorite
- 8c — Ash and Crystal Tuff
- 8d — Agglomerates, Lapilli and Bl ck Tuffs

MISSISSIPPIAN OR OLDER

- 4 — Metasedimentary and Metavolcanic Rocks

SYMBOLS

- Rock Outcrop
- Geological Boundary, Approximate
- 44 — Bedding with Dip
- 75 — Schistosity, Foliation — Dip Known, Vertical, Unknown
- 76 — Jointing with Dip
- 75 — Fault (Defined, Inferred) — Dipping, Vertical, Movement
- Dyke
- 50 (0.2) PY — Vein with Dip (Known, Unknown), Width in Metres and Mineralization.
- X — Rock Sample (Grab Outcrop, Float)
- PY — Mineral Occurence
- Iron Carbonate Gossan
- Clay and Silica Alteration
- L.C.P. L.C.P. — Legal Corner Post — Located, Approximate

AZ	Azurite	MO	Molybdenite
CP	Chalcopyrite	PY	Pyrite
GL	Galena	PO	Pyrrohtite
LI	Limonite	QZ	Quartz
MC	Malachite	SP	Sphalerite
MG	Magnetite		

Note – Geology for Paydirt Property after Holtby (1985)

GEOLOGICAL BRANCH ASSESSMENT REPORT 19,534

0 500 1000 1500

METRES

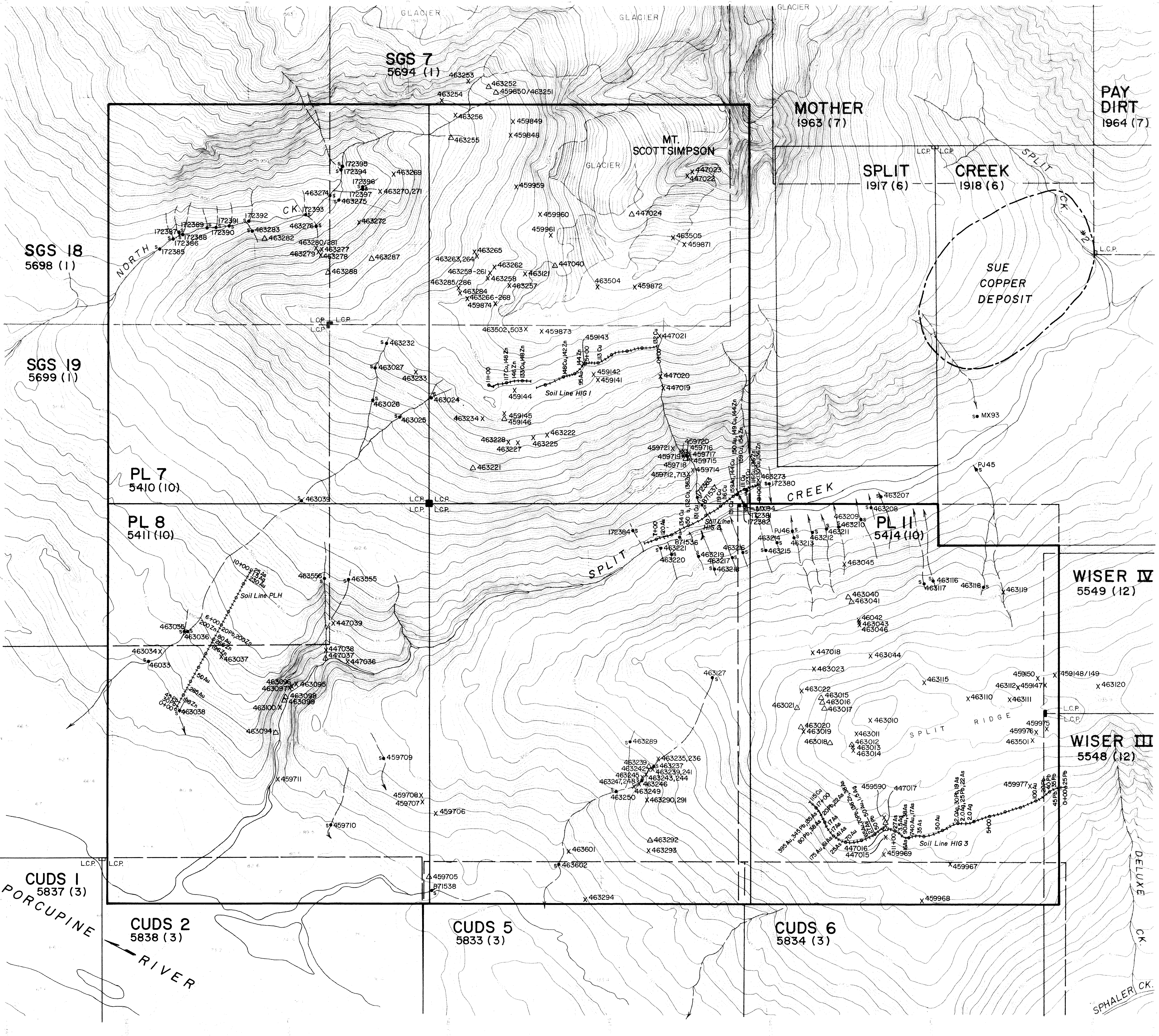
ROYCE INDUSTRIES LTD.

PL 7-11 CLAIM GROUP
GEOLOGY

BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

DRAWN: J.J.E.	MINING DIV.: LIARD	FIG. NO.
N.T.S.: 104 G/4E	SCALE: 1:10000	5
DATE: DECEMBER, 1989	REVISED:	



1989 ROCK GEOCHEMICAL RESULTS

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
447015	90	0.4	111	40	222	35
447016	40	0.2	175	6	80	150
447017	50	0.6	71	18	28	70
447018	10	1.2	6	26	12	45
447019	350	<0.2	140	2	46	15
447020	810	0.8	199	2	88	35
447021	45	<0.2	37	12	28	30
447022	185	2.4	179	524	568	10
447023	<5	0.6	139	26	118	25
447024	55	<0.2	116	8	14	10
447036	350	3.8	710	682	2060	30
447037	50	1.2	975	40	464	20
447038	<5	<0.2	142	6	120	20
447039	<5	<0.2	43	4	96	<5
447040	20	0.2	130	8	42	5
459141	30	<0.2	68	4	8	<5
459142	10	<0.2	16	2	12	<5
459143	<5	<0.2	15	12	50	5
459144	70	<0.2	45	<2	44	<5
459145	250	91.6	1555	3590	120	5
459146	85	0.4	28	80	66	<5
459147	<5	1.2	64	76	26	40
459148	<5	<0.2	6	4	22	<5
459149	5	<0.2	41	52	1175	35
459150	<5	1.8	29	72	90	45
459705	10	0.2	48	4	26	<5
459706	15	0.2	78	<2	20	10
459707	<5	<0.2	92	<2	78	5
459708	220	0.2	39	2	20	80
459711	30	<0.2	6	8	94	5
459712	<5	0.4	192	6	14	5
459713	<5	1.0	37	110	54	<5
459714	<5	<0.2	159	<2	70	<5
459715	<5	<0.2	114	<2	86	10
459717	<5	<0.2	53	<2	30	<5
459718	<5	<0.2	64	10	100	<5
459720	<5	<0.2	157	2	106	10
459721	<5	<0.2	68	<2	68	5
459848	5	<0.2	375	4	80	5
459849	<5	<0.2	34	<2	26	5
459850	65	<0.2	79	10	46	5
459871	20	<0.2	95	8	74	20
459872	35	0.2	63	<2	56	50
459873	60	1.2	249	2	78	85
459874	25	<0.2	281	16	76	<5
459959	<5	<0.2	17	8	74	45
459960	<5	<0.2	2	6	102	5
459961	35	<0.2	36	<2	46	60
459967	<5	<0.2	27	4	46	<5
459968	<5	<0.2	95	4	42	5
459969	45	<0.2	110	<2	82	<5
459970	20	0.4	249	<2	50	30
459975	10	0.4	45	22	50	30
459976	10	0.6	144	20	340	15
459977	<5	<0.2	127	16	196	<5
463010	90	<0.2	23	<2	660	175
463011	<5	<0.2	44	<2	100	55
463012	<5	3.2	265	352	2690	110
463013	25	0.8	340	24	102	55
463014	30	2.6	347	80	38	35
463015	20	<0.2	6	4	20	15
463016	10	1.6	127	10	12	95
463017	20	0.8	5	18	12	10
463018	10	1.8	29	14	14	130
463019	<5	0.2	36	4	18	<5
463020	<5	0.4	16	4	6	5
463021	<5	0.4	5	<2	4	<5
463022	<5	1.6	53	4	10	<5
463023	25	0.4	4	<2	<2	<5
463034	140	0.6	8	18	94	15
463037	25	<0.2	64	<2	68	5
463040	<5	0.2	188	<2	16	5
463041	1.114*	4.49*	9240	236	126	15
463042	780	0.8	113	6	72	<5
463043	40	0.8	402	<2	26	20
463044	160	1.4	299	2	32	15
463045	380	3.6	17	18	28	25
463046	15	<0.2	214	2	62	<5
463094	30	1.0	88	4	20	<5
463095	<5	1.0	658	<2	60	10
463096	585	0.8	412	<2	24	5
463097	1090	2.0	468	<2	20	20
463098	100	0.8	252	2	1270	<5
463099	660	1.0	243	8	6.24%	<5
463100	0.536*	3.0	577	<2	896	<5
463110	310	25.8	2.09%	<2	134	<5
463111	<5	<0.2	330	10	220	<5
463112	130	3.0	103	24	28	20
463115	160	<0.2	18	<2	48	<5
463119	5	2.4	79	124	100	20
463120	35	2.6	95	106	128	55
463121	1780	1.0	387	<2	268	<5
463222	<5	<0.2	66	2	96	10
463225	<5	<0.2	15	<2	74	5
463227	<5	<0.2	154	<2	48	<5
463228	<5	<0.2	153	<2	106	<5
463231	<5	<0.2	46	2	14	<5
463233	<5	<0.2	23	8	44	<5
463234	85	3.2	1405	<2	42	10
463235	<5	<0.2	152	<2	70	25
463236	<5	<0.2	23	2	10	<5
463238	<5	<0.2	50	<2	38	15
463239	<5	<0.2	92	6	52	25
463241	<5	0.2	89	<2	38	<5
463242	<5	<0.2	47	12	146	25
463243	115	0.2	258	<2	28	10
463244	30	<0.2	69	<2	18	<5
463245	<5	<0.2	15	<2	14	<5
463247	10	<0.2	263	<2	42	<5
463248	<5	<0.2	35	8	30	<5
463249	<5	<0.2	217	<2	58	<5
463251	<5	3.4	3200	<2	58	<5
463252	<5	<0.2	39	<2	22	<5
463253	<5	<0.2	78	<2	52	<5
463254	0.075*	32.4	2.33%	<2	168	15
463255	125	2.6	921	<2	2.07%	15
463256	20	<0.2	49	4	374	15
463257	15	<0.2	73	<2	82	15
463258	2.200*	<0.2	208	<2	86	<5
463259	30	<0.2	183	<2	76	15
463260	110	<0.2	49	2	18	<5
463261	40	<0.2	300	<2	134	30
463262	115	12.4	5070	2	66	<5
463263	420	<0.2	334	<2	74	<5
463264	950	16.2	2380	10	56	<5
463265	0.033*	26.0	6390	<2	78	5
463266	115	0.2	162	2	26	<5
463267	20	<0.2	230	<2	102	5
463268	<5	<0.2	15	<2	58	<5
463269	<5	<0.2	24	14	84	5
463270	35	<0.2	99	<2	62	<5
463271	100	<0.2	3	<2	98	10
463272	<5	<0.2	425	<2	62	<5
463273	10	<0.2	481	<2	64	<5
463277	30	<0.2	90	<2	190	<5
463278	20	<0.2	108	<2	150	<5
463279	<5	<0.2	69	<2	110	<5
463280	15	<0.2	4	<2	66	<5
463281	10	<0.2	103	<2	126	15
463282	20	<0.2	162	2	90	<5
463284	220	7.4	5090	<2	40	10
463285	5	2.4	2880	2	120	30
463286	35	0.2	119	4	42	10
463287	5	<0.2	79	<2	10	15
463288	270	<0.2	176	<2	44	<5
463290	<5	0.2	22	8	14	10
463291	<5	<0.2	37	<2	38	<5
463292	<5	<0.2	18	<2	34	5
463293	<5	<0.2	13	2	10	<5
463294	<5	<0.2	76	2	76	<5
463501	<5	<0.2	84	6	52	20
463502	30	<0.2	8	2	10	<5
463503	190	6.8	2580	2	92	<5
463504	15	1.4	999	4	12	<5
463505	<5	<0.2	30	4	108	<5
463601	<5	<0.2	32	14	20	<5

* INDICATES - oz/t

1989 SILT GEOCHEMICAL RESULTS

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
172380	10	<0.2	30	110	12	150
172381	<5	<0.2	5	120	8	106
172382	<5	<0.2	5	79	8	64
172383	65	0.2	10	112	10	90
172384	<5	0.8	5	89	20	92
172385	<5	<0.2	5	69	<2	54
172386	40	<0.2	5	43	12	74
172387	<5	<0.2	<5	42	10	70
172388	205	<0.2	10	71	4	54
172389	<5	<0.2	5	59	10	58
172390	10	<0.2	10	34	14	108
172391	125	<0.2	10	77	10	60
172392	10	<0.2	5	107	6	66
172393	<5	<0.2	<5	84	8	74
172394	<5	<0.2	15	79	4	76
172395	<5	<0.2	5	109	2	56
172396	<5	<0.2	10	57	8	49
172397	<5	<0.2	10	72	10	54
459709	30	0.2	<5	209	<2	134
459710	315	<0.2	<5	73	<2	190
459716	<5	<0.2	45	142	6	140
459719	50	<0.2	35	144	6	122
463024	15	<0.2	45	97	<2	98
463025	30	<0.2	25	116	8	112
463026	30	<0.2	15	70	<2	74
463027	5	<0.2	5	60	<2	74
463033	20	<0.2	45	56	16	256
463035	<5	<0.2	<5	52	<2	128
463036	10	<0.2	15	51	<2	164
463038	15	<0.2	30	50	14	382
463039	30	<0.2	25	83	4	122
463116	<5	<0.2	20	119	12	160
463117	55	<0.2	60	96	20	158
463118	25	<0.2	35	152	62	518
463207	35	<0.2	55	56	<2	96
463208	95	<0.2	20	106	6	118
463209	150	<0.2	20	87	<2	150
463210	60	<0.2	<5	84	<2	152
463211	30	<0.2	10	156	2	178
463212	<5	<0.2	<5	64	4	88
463213	35	<0.2	20	119	10	148
463214	40	<0.2	5	85	10	106
463215	25	<0.2	<5	103	16	136
463216	<5	<0.2	5	104	8	158
463217	<5	<0.2	20	68	12	88
463218	30	<0.2	5	47	8	108
463219	<5	<0.2	5	60	4	110
463220	780	<0.2	10	38	<2	110
463221	<5	<0.2	15	48	8	116
463232	245	<0.2	35	122	4	98
463237	20	<0.2	15	128	4	140
463246	15	<0.2	60	95	2	118
463250	35	<0.2	5	98	<2	118
463274	25	<0.2	5	83	<2	66
463275	30	<0.2	5	78	<2	64
463276	25	<0.2	10	45	<2	96
463283	10	<0.2	5	59	8	100
463289	20	<0.2	<5	69	6	188
463555	30	<0.2	5	66	30	130
463556	30	<0.2	<5	62	4	114
463602	25	<0.2	15	95	10	94

GOVERNMENT REGIONAL GEOCHEMICAL SAMPLES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
871536	20	0.2	99	5	36	4
871537	34	0.4	137	8	115	4
871538	7	0.2	55	8	62	4

1982 TECK SILT SAMPLES

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
MX93	175	0.3	2045	-	-	-
MX94	45	0.3	248	-	-	-
PJ45	50	0.2	121	-	-	-
PJ46	110	0.2	121	-	-	-

U.T.M. Grid is 2°06' West of True North.

0 500 1000 1500
METRES

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,534

LEGEND

X △ 463010 463040 Rock Sample Location (Grab Outcrop, Float)

463117 s Silt Sample Location

3+00 Soil Sample Line with 25m and 100m Intervals.
50 Au
20 Pb

Au = Gold ≥50 ppb Pb = Lead ≥20 ppm
Ag = Silver ≥1.2 ppm Zn = Zinc ≥135 ppm
Cu = Copper ≥112 ppm As = Arsenic ≥17 ppm

Government Geochemical Data from G.S.C. OPEN FILE 1646 (1988)
TECK Geochemical Data from Folk (1989)

ROYCE INDUSTRIES LTD.		
PL 7-11 CLAIM GROUP **GEOCHEMISTRY** BRITISH COLUMBIA		
EQUITY ENGINEERING LTD.		
DRAWN: J.J.E.	MINING DIV.: LIARD	FIG. NO. 6
N.T.S.: 104 G/4 E	SCALE: 1:10000	
DATE: DECEMBER, 1989	REVISED:	