

ARIS SUMMARY SHEET

District Geologist, Smithers

Off Confidential: 89.12.05

ASSESSMENT REPORT 18484

MINING DIVISION: Liard

PROPERTY: Ian
LOCATION: LAT 56 43 00 LONG 130 59 00
UTM 09 6287391 378607
NTS 104B10W
CLAIM(S): Ian 1-4
OPERATOR(S): Big M Petr.
AUTHOR(S): Kasper, B.;Caulfield, D. A.
REPORT YEAR: 1989, 80 Pages
COMMODITIES
SEARCHED FOR: Copper,Lead,Zinc,Silver,Gold
KEYWORDS: Permian,Limestone,Triassic,Volcanics,Sediments,Quartz veins,Pyrite
WORK
DONE: Geochemical,Geological,Physical
GEOL 1000.0 ha
Map(s) - 1; Scale(s) - 1:10 000
ROCK 21 sample(s) ;ME
SILT 14 sample(s) ;ME
SOIL 579 sample(s) ;AU,AG,CU,PB,ZN,AS,SB
Map(s) - 2; Scale(s) - 1:5000
TOPO 2000.0 ha
RELATED
REPORTS: 16953
MINFILE: 104B 324,104B 325

LOG NO: 0306	RD.
ACTION:	
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GEOLOGICAL AND GEOCHEMICAL REPORT
ON THE
IAN 1-4 CLAIMS

Located in the Iskut River area
Liard Mining Division
NTS 104B/10W, 11E
56° 43' North Latitude
130° 59' West Longitude

-prepared for-
BIG M PETROLEUM INC.

-prepared by-
David A. Caulfield, Geologist
Bruno Kasper, Geologist

February, 1989

18,484

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

GEOLOGICAL AND GEOCHEMICAL REPORT ON THE IAN 1-4 CLAIMS

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1.0 INTRODUCTION

The Ian 1-4 mineral claims were staked in December 1986 to cover favorable geology similar to that hosting the high-grade Stonehouse (Skyline Explorations Ltd.) and Snip (Cominco/Delaware Resource Corp.) gold deposits in the Iskut River area of northwestern British Columbia (Figure 1). Each of these deposits, located approximately seven kilometers southwest of the Ian 1-4 claims, has reported significant gold reserves grading in excess of 17 grams gold per tonne (0.5 oz/ton gold). During the 1987 and 1988 field seasons, numerous other significant gold discoveries were reported throughout the Iskut River area, making this region one of the more exciting and promising gold areas currently under exploration in British Columbia.

An exploration program consisting of geological mapping, prospecting, soil and silt sampling was conducted over the property in August, 1988. The emphasis of the program was to delineate areas for more intensive exploration. Equity Engineering Ltd. carried out the field exploration for Big M Petroleum Inc. and has been retained to report on the results of the field work.

2.0 LIST OF CLAIMS

Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that the following mineral claims (Figure 2) are owned by Ian Hagemoen. Separate documents indicate that the claims are under option to Big M Petroleum Inc.

IAN 1-4 CLAIMS



BIG M PETROLEUM INC.			
IAN 1-4 CLAIMS			
PROPERTY LOCATION MAP			
EQUITY ENGINEERING LTD.			
DRAWN J.W.	PROJECT BIM 88-01	DATE June, 1988	FIG. 1.

Claim Name	Record Number	No. of Units	Record Date	Expiry Year
Ian 1	3730	20	Dec. 5, 1986	1991
Ian 2	3731	20	Dec. 5, 1986	1991
Ian 3	3732	20	Dec. 5, 1986	1991
Ian 4	3733	<u>20</u>	Dec. 5, 1986	1991
		80		

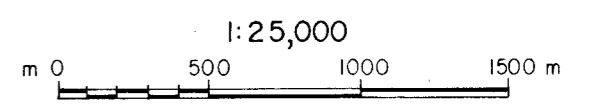
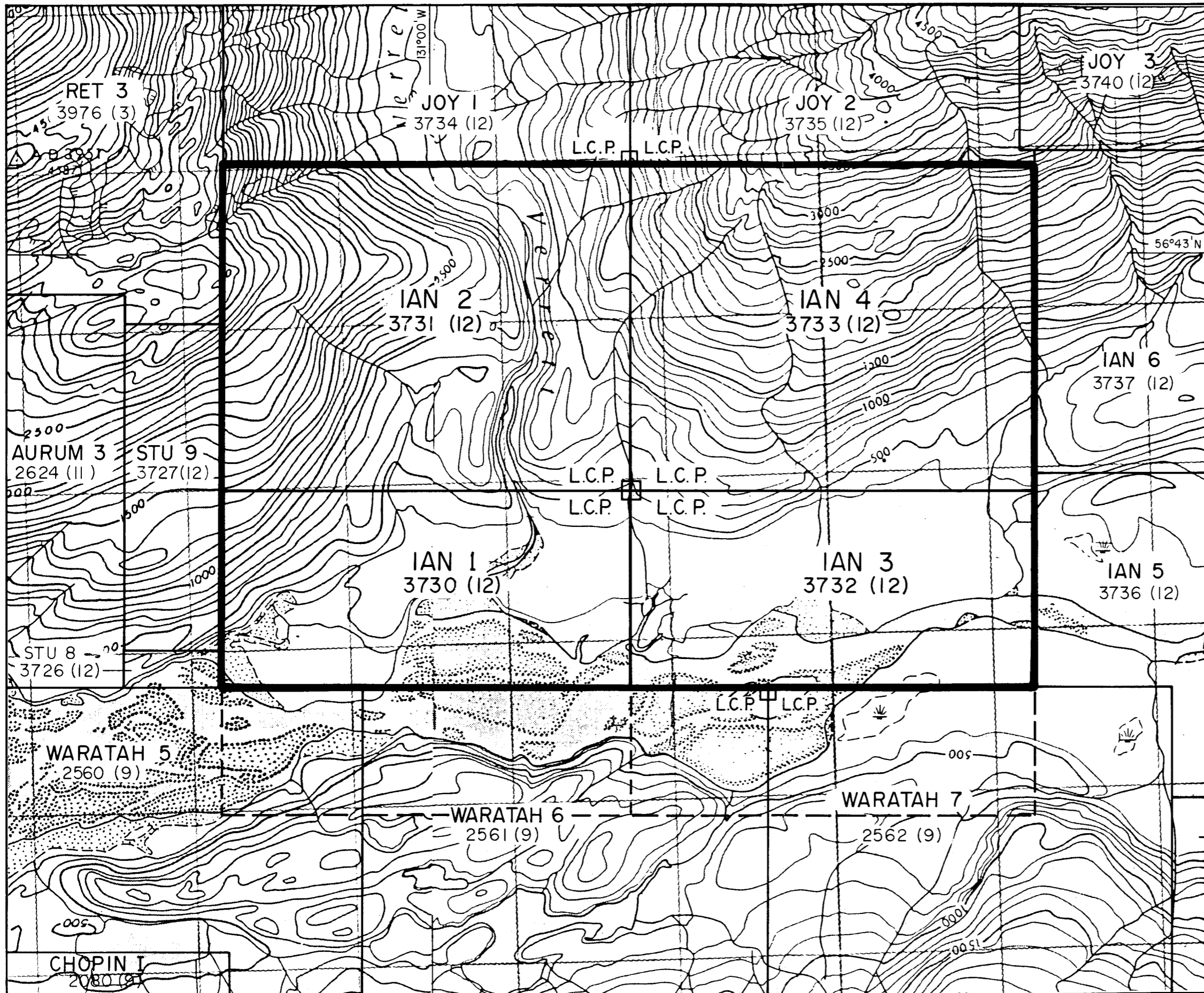
The southern half of the Ian 1 and 3 claims overlaps the previously staked Waratah 6 and 7 claims, reducing the effective size of the Ian 1-4 claim group to approximately 60 units (15 square kilometers).

The location of the legal corner posts for the Ian 1-4 mineral claims has not been verified by the authors.

3.0 LOCATION, ACCESS AND GEOGRAPHY

The Ian 1-4 claims straddle the Verrett River immediately north of the Iskut River in the Coast Range Mountains, approximately 110 kilometers northwest of Stewart, British Columbia and 80 kilometers east of Wrangell, Alaska (Figure 1). They lie within the Liard Mining Division, centered at 56° 43' North latitude and 130° 59' West longitude.

Access to the property is by helicopter from the Bronson Creek gravel air strip, located approximately five kilometers to the west (Figure 2). Daily scheduled flights using fixed wing aircraft link the strip to Smithers throughout the year. The strip has been extended to 5,000 feet and is now able to accommodate Hercules aircraft. A proposal by Pamicon Developments Ltd. recommends the construction of a road approximately 65 kilometers in length along the south side of the Iskut Valley to connect the Stonehouse and Snip gold deposits to the Stewart-Cassiar Highway.



BIG M PETROLEUM INC.			
IAN 1-4 CLAIMS			
CLAIM MAP			
LIARD MINING DIVISION, B.C. 104B/10W, 11E			
EQUITY ENGINEERING LTD.			
DATE June, 1988	PROJECT BIM 88-01	BY H.A.	FIGURE 2

STU 4
3721
(12)

The Ian claims extend northwards along both sides of the Verrett River from the Iskut River, covering the southern flanks of Mount Verrett and an unnamed mountain to the east. Topography is rugged, typical of mountainous and glaciated terrain, with elevations ranging from 150 meters above sea level on the Iskut River to over 1000 meters on the north boundary of Ian 4. Outcrop exposure is absent on the Iskut River floodplain and is masked by the heavy vegetation which occurs below treeline.

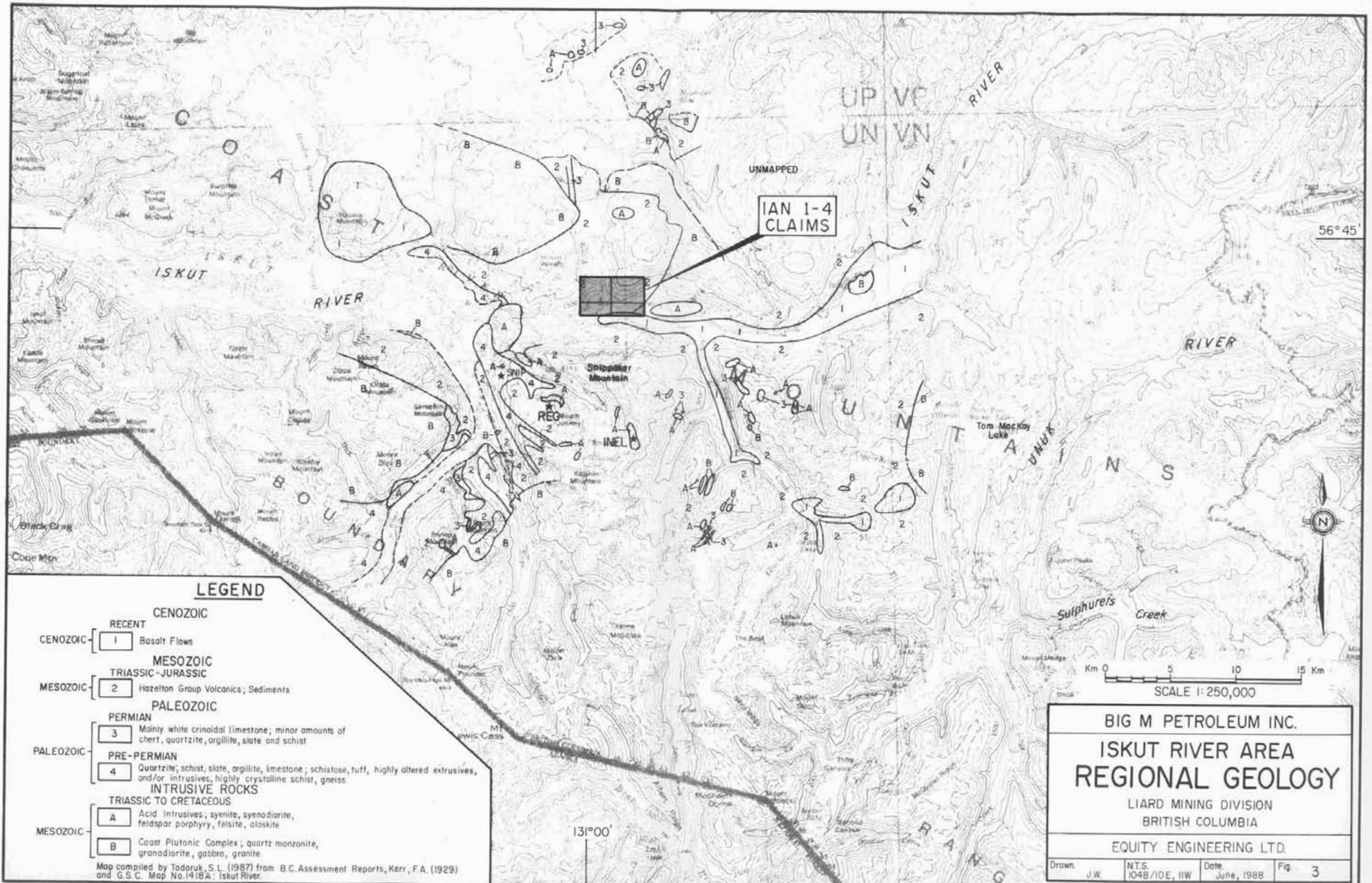
Lower slopes are covered with a dense growth of hemlock and spruce with an undergrowth of devil's club and huckleberry. Steeper open slopes are covered by dense slide alder growth. The entire property lies below treeline which occurs at approximately 1300 meters elevation. Both summer and winter temperatures are moderate although annual rainfall may exceed 200 centimeters and several meters of snow commonly fall at higher elevations.

4.0 AREA AND PROPERTY MINING HISTORY

4.1 Previous Work

The first recorded work in the Iskut River area (Figure 3) was done in 1907 by a prospecting party from Wrangell, Alaska who staked nine claims north of Johnny Mountain. Iskut Mining Company subsequently worked crown-granted claims along Bronson Creek and on the north slope of Johnny Mountain. By 1920, a nine-meter adit had revealed a number of galena-bearing veins and stringers.

In 1954, Hudsons Bay Mining and Smelting located the Pick Axe showing and the high grade gold-silver-lead-zinc float on the open upper slopes of Johnny Mountain which ultimately led to Skyline Exploration's Stonehouse Gold deposit. The claims were



LEGEND

- CENOZOIC**
- RECENT
- CENOZOIC [1] Basalt Flows
- MESOZOIC**
- TRIASSIC-JURASSIC
- MESOZOIC [2] Hazelton Group Volcanics; Sediments
- PALEOZOIC**
- PERMIAN
- PALEOZOIC [3] Mainly white crinoidal limestone; minor amounts of chert, quartzite, argillite, slate and schist
- PRE-PERMIAN
- PALEOZOIC [4] Quartzite; schist, slate, argillite, limestone; schistose, tuff, highly altered extrusives, and/or intrusives, highly crystalline schist, gneiss
- INTRUSIVE ROCKS**
- TRIASSIC TO CRETACEOUS
- MESOZOIC [A] Acid Intrusives; syenite, syenodiorite, feldspar porphyry, felsite, alaskite
- MESOZOIC [B] Coast Plutonic Complex; quartz monzonite, granodiorite, gabbro, granite

Map compiled by Todoruk, S.L. (1987) from B.C. Assessment Reports, Kerr, F.A. (1929) and G.S.C. Map No. 1418A: Iskut River.

BIG M PETROLEUM INC.

ISKUT RIVER AREA

REGIONAL GEOLOGY

LIARD MINING DIVISION
BRITISH COLUMBIA

EQUITY ENGINEERING LTD.

Drawn J.W.	NTS. 1048/10E, IIV	Date June, 1988	Fig 3
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worked and subsequently allowed to lapse.

During the 1960's, several major mining companies conducted helicopter-supported reconnaissance exploration programs in their search for porphyry copper-molybdenum deposits. Several claims were staked on Johnny Mountain, including some by Cominco over a gold-bearing quartz vein which was developed much later into the Snip gold deposit.

In 1969, Skyline Explorations Ltd. staked the Inel property after discovering massive sulphide float originating from the head of the Bronson Creek glacier. They restaked the Reg property on Johnny Mountain in 1980. In the following years, Skyline carried out extensive trenching, drilling and underground development on mesothermal polymetallic veins on both the Reg and Inel properties, defining zones of high grade gold-silver mineralization. Total reserves for the Stonehouse Gold deposit on the Reg claims were stand at 622,000 tonnes grading 19.5 grams gold per tonne in January 1989 (Skyline Explorations Ltd., 1988 Annual Report). Milling operations are currently underway at a rate nearing 300 tonnes per day. Underground and surface exploration is continuing on the Inel property. A total of 37 surface and 90 underground holes have been drilled on the Inel property to date.

Cominco Ltd. and Delaware Resources Ltd. are developing the Snip deposit, located five kilometers northwest of Skyline's Stonehouse Gold deposit, for production in near future. Current reserves on the Twin zone total 1.42 million tonnes grading 21.9 grams gold per tonne (Delaware, 1988).

At the headwaters of McLymont Creek some fifteen kilometers north of the Ian 1-4 claims, Gulf International Minerals is actively exploring Permian limestone-hosted skarn zones found along a prominent northeast trending structure on the McLymont 3

mineral claim. The drill results to date have outlined the gold-bearing zones over a strike length of 300 meters and to a depth of 150 meters. The mineralized horizons are variable in width with intersections up to 45.5 meters grading 7.1 grams gold per tonne in drill hole 88-28.

The first recorded work on ground currently covered by the Ian 1-4 claims was done by DuPont of Canada Exploration Limited in 1980 (Strain, 1981). They staked the BAX claim to cover a small drainage identified as anomalous for gold by their regional heavy mineral stream sediment survey, but allowed the claim to lapse after two days of follow-up work failed to yield a bedrock source for the gold (Strain, 1981).

The Ian 1-4 claims were staked in December 1986 after Skyline announced very favorable results from that season's drilling and underground development program on their Stonehouse Gold deposit. They were subsequently optioned to Ashburton Oil Ltd., who conducted a limited program of geological mapping and geochemistry over the property during 1987 and discovered two zinc-copper occurrences (King, 1987).

An airborne survey was flown by Aerodat Limited over the Ian 1-4 claims from May 26 and June 1, 1988. Included in their report dated August 26, 1988 were maps showing electromagnetic profiles and interpretation, total field magnetics, vertical magnetic gradients, apparent resistivity and total field VLF-EM. Although the details of the survey are beyond the scope of this report, a review of the data shows an area of resistivity low with coincident EM conductors along the north end of the Ian 1 and 3 claims. This anomaly lies within the Iskut River flats and is likely caused by the presence of surficial conductivity induced by surface clays.

4.2 1988 Program

During August of 1988, Big M Petroleum Inc. carried out a exploration program on the Ian 1-4 claims, consisting of geological mapping, prospecting and stream sediment and soil geochemistry. Mapping and rock geochemical sampling were conducted along the contour soil sampling lines. As the property lies below treeline, five helipads were constructed for better access. The emphasis of this program was to outline areas which may contain gold-rich mesothermal quartz veins similar to those found in the Stonehouse and Snip gold deposits.

Three soil contour lines at 375, 575, and 770 meter elevations were run on the east side of the Verrett River and two soil contour lines were sampled on the 335 and 525 meter elevations on the west side. Stream sediment samples were collected from drainages encountered along each contour level. Rock samples were taken from zones of alteration and mineralization. A total of 21 rock, 14 stream sediment and 579 soil samples were collected for analysis during the course of the program. Reconnaissance geological mapping was conducted in conjunction with the soil sampling and later transferred to a 1:10,000 scale topographic orthophoto, which was not ready in time for the field program.

Stream sediment samples were taken from active and inactive drainages, screened underwater in the field or later screened in camp to minus 40 mesh and then shipped to Chemex Labs Ltd. in North Vancouver where they were pulverized and analyzed geochemically for gold and 32-element ICP. Soil samples were taken at twenty-five meters intervals. Wherever possible, soil samples were taken from the red-brown B horizon using a mattock. All soil samples were air dried in camp before shipment to the laboratory where the samples were further dried, sieved to minus 80 mesh and analysed geochemically for gold, silver, copper,

molybdenum, lead, zinc, arsenic and antimony. Rock samples were pulverized and analyzed geochemically for gold and 32-element ICP. Detailed rock sample descriptions are attached in Appendix C and analytical certificates are found in Appendix D.

5.0 REGIONAL GEOLOGY

Government mapping of the general geology (Figure 3) in the Iskut River area (Kerr, 1948; GSC Maps 9-1957 and 1418-1979) has proven to be incomplete and unreliable. Subsequent mineral exploration mapping has greatly enhanced the lithologic and stratigraphic knowledge of the area.

The oldest rock assemblage in the Iskut River district consists of Paleozoic crinoidal limestone (Unit 3) overlying metamorphosed sedimentary and volcanic members (Unit 4).

Unconformably overlying the Paleozoic limestone unit are Upper Triassic Hazelton Group island arc volcanics and sediments, referred to informally as the "Snippaker Volcanics" (Unit 2). Grove (1981) correlates this assemblage to the Unuk River Formation of the Stewart Complex whereas other writers match this group with the time-equivalent Stuhini Volcanics. Monotis fossils have been recognized on the north slope of Snippaker Peak and west of Newmont Lake giving an age of Late Triassic. This volcano-sedimentary package hosts the Stonehouse Gold, Snip and Inel deposits.

Grove reports an unconformity between Carboniferous and Middle Jurassic strata on both sides of Snippaker Ridge, north of Snippaker Peak. The same unconformable relationship between these major rock units appears to extend from Forrest Kerr Creek west along the Iskut River to its junction with the Stikine River. Present interpretation suggests an east-west trending

thrust along the axis of the Iskut River which, like the King Salmon Thrust Fault, pushed up and over to the south.

Following the Iskut River thrust faulting, the entire region was overlain by Middle Jurassic Hazelton Group volcano-sedimentary rocks correlated by Grove (1986) to the Betty Creek Formation (Unit 2). Subvolcanic orthoclase porphyry stocks (Unit KTgp), dated as Jurassic by Nagy (1987), occur near all significant gold occurrences and may be genetically related to mineralization.

The batholithic Coast Plutonic Complex intrusions in the Iskut region are of Triassic to Cretaceous age. Composition varies from quartz monzonite to diorite.

Quaternary and Tertiary bimodal terrestrial volcanics (Unit Rvb) occur along the Iskut River near Forrest Kerr Creek and further west at Hoodoo Mountain.

6.0 PROPERTY GEOLOGY AND MINERALIZATION

6.1 Geology

Limited geological mapping and sampling programs were conducted over ground currently covered by the Ian 1-4 claims during 1980 (Strain, 1981) and 1987 (King, 1987). More systematic mapping along the soil contour lines during the current field program is presented on Figure 4. The map units selected are consistent with those mapped by Macrae and Hall (1983) on the properties adjoining to the west.

Massive, buff-colored, coarsely-crystalline limestone (Unit P1) outcrops in the Verrett River canyon, trending northerly and dipping gently to the east or west. A similar limestone unit was

encountered along contour line 770E between 7+50W and 8+50W and a fossiliferous exposure containing well preserved crinoidal fragments is found on line 375E. The unit is best described as a crinoidal biomicritic limestone and is probably correlative with the Permian or earlier limestones mapped elsewhere in the Iskut district.

A sequence of Triassic sedimentary and volcanic rocks, similiar to those mapped by Macrae and Hall (1983) on properties to the west, cover the majority of the Ian claims. While volcanic members dominate the Triassic strata west of the Verrett River, both sediments and volcanics occur on the east side of the Verrett River. A well developed karst system also occurs along the Triassic volcanoclastic-Permian limestone contact on the west side of the Verrett River. This contact area is marked by a strongly chloritic, limestone conglomerate (Unit T1cg1) providing evidence that the Permian limestone is unconformably overlain by the Triassic volcanoclastic rocks.

Of the volcanic rocks, the mafic agglomerates and tuffs (Unit Tbt) are the most abundant. The agglomerate is a dark green undifferentiated mafic volcanoclastic unit, with subrounded to subangular clasts up to one meter across. The clasts originated from vesicular to amygdaloidal andesitic flows or plagioclase-augite porphyries. The agglomerate is strongly chloritized in places, masking the presence of the clasts. The brittle porphyry fragments fracture more readily than the matrix, aiding in the identification of the agglomerate in outcrop. The matrix of the agglomerate is andesitic in composition with plagioclase and pyroxene crystals set in an aphanitic groundmass. The agglomerate locally grades into a finer grained tuff. It has been altered by pervasive carbonate, chlorite and lesser epidote during weak regional metamorphism.

A feldspar porphyry flow (Unit Tfv) trends north-south

through the center of the Ian 2 claim. The feldspar porphyry is composed of weakly oriented, subhedral to euhedral plagioclase phenocrysts supported by a dark green aphanitic matrix. On weathered surfaces, the phenocrysts are more recessive than the matrix, imparting a knobby texture on outcrop surfaces. Fragments of this rock type are found within the above agglomerate/tuff.

The Triassic sedimentary rocks cover a range of rock types including conglomerate, chert, quartzite and interbedded siltstone/greywacke. The rusty-brown conglomerate (Unit Tcg1) consists of fine-grained, rounded to subrounded, sedimentary clasts up to one centimeter in a light grey, fine-grained matrix. The chert (Unit Tch) varies from massive to thinly laminated and ranges in colour from a light green to light purple. The chert tends to form ridges due to the resistant nature of the unit. Outcrops of light grey to white, laminated quartzite (Unit Tqz) occur on the eastern side of lines 375E and 575E. Bedding attitudes in this unit indicate a 170° strike and a steep westerly dip.

By far the most dominant sedimentary unit is an interbedded siltstone and greywacke of intermediate composition (Unit Tss). It is well interbedded with beds up to 5 centimeters and graded bedding and load structures are common. The sand-sized crystals and fragments in the greywacke are sub-angular to angular. More fine-grained interbeds of well indurated argillite are common, characterized by their dark grey to black colour and conchoidal fracture surfaces. Light to dark green beds of clastic material may be due to a higher influx of mafic volcanoclastic detritus. Disseminated pyrite-pyrrhotite mineralization occurs locally within the interbedded siltstone/greywacke unit.

Several small orthoclase porphyry bodies (Unit Jop) occur on both the Ian 2 and Ian 4 claims. Potassium feldspar megacrysts

up to two centimeters in length are the diagnostic feature of the rock unit. The matrix supporting the phenocrysts is normally an equigranular, medium-grained mixture of feldspars, mafic grains, quartz and accessory magnetite, but is locally aphanitic. Depending on the quartz content, the composition of the rock type would fall between a quartz syenite and syenite. In addition to the syenitic intrusions, a small felsic dyke (Unit Jfd) was mapped on the eastern portion of the Ian 4 claim.

To date, the geological mapping has not progressed enough to present a complete structural interpretation for the property. The general trend of the Upper Triassic lithologies falls within a northeast quadrant with quite variable dip directions. This evidence and the repetition of lithological units suggests that the area has been subjected to some degree of folding and associated faulting.

A major northeasterly-trending lineament, termed the "Handel Break", extends from Johnny Mountain through the Handel and Waratah claims and across the Ian 3 claim. The majority of the gold occurrences reported by Caulfield (1987) on the Waratah property to the south are located in close proximity to this fault structure.

6.2 Mineralization

During the 1988 program, several occurrences of sulphide mineralization were discovered in addition to those found by previous operators (Figure 4). Of the new occurrences located, only one of the samples returned an anomalous gold value.

The highest gold value was returned from quartz vein float mineralized with pyrite and chalcopyrite, located in a creek on the far northeast corner of the Ian 4 claim. A sample of the

float, #245453, contained 2800 parts per billion gold and 1950 parts per million copper with very low lead and zinc values. The location of this float indicates that it may have come from further upstream off the property.

Most of the remainder of the samples were taken from narrow quartz-chlorite veins with minor pyrite. These veins are quite similar to many of the auriferous veins found elsewhere in the Iskut River area; however, the veins found to date on the Ian 1-4 claims lack significant copper, lead and zinc mineralization. The lack of base metal mineralization appears to reflect the low gold values.

Two areas of strong pyrite mineralization warrant further investigation in that although base and precious metal values are low, the sulphide mineralization found appears to be extensive. One of these occurrences was discovered along the limestone and volcanoclastic contact east of line 335W. Up to 20% finely disseminated pyrite occurs within a silicified conglomerate or limestone penetrated by ankerite veinlets. On the north end of line 525W, several large rusty boulders of strongly pyritic (up to 30%), silicious altered agglomerate are located in a northeast trending draw. The greatest portion of the pyrite is contained in the matrix of the fragmental host rock. The source of the float boulders is thought to be close due to their angular nature and the abundance of float.

7.0 STREAM AND SOIL GEOCHEMISTRY

7.1 Stream Geochemistry

During 1988, the government released the results of the 1987 stream sediment survey for the Iskut River mapsheet (GSC Open File 1645). Sample #1124 was taken from a drainage on the Ian 1-

4 claims (Figure 5). The chemical analyses for that sample and Sample #1122 which was taken further upstream from the above sample are tabled below along with the anomalous values (80th percentile) for the entire Iskut River mapsheet.

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)
1122	12	0.3	73	23	136	12
1124	5	0.2	73	8	76	5
Anomalous Values for RGS 104B (n=698)						
80% level	20	0.4	86	16	168	26

The slightly higher values in sample #1122 suggests the upper sample site is closer to the source of mineralization and therefore, any mineralization exists upstream off the property. Sample #1122 is located in the drainage in which the best mineralized float was found.

Of the fourteen samples taken during the 1988 exploration program on the Ian claims, several samples returned values in excess of the 80th percentile level of the government survey. However, a direct comparison between the two surveys should not be made as the sample method employed by Equity personnel would result in a slightly greater concentration of heavy minerals. However, several samples contain appreciable gold and would certainly require follow-up. These samples include # BIM S1, S4, S5, S6 and S13 which returned gold values of 350, 350, 80, 75 and 135 parts per billion respectfully. All of the above samples are from the east side of the Verrett River and samples #BIM S1, S4 and S13 are taken from the same drainage as the government sample #1124 (Figures 5 and 6).

7.2 Soil Geochemistry

As most of the Ian 1-4 claims are covered by heavy vegetation and rugged topography, it was felt that contour soil sampling would be the best method of geochemically testing the

entire property. Contour soil geochemistry was employed as a reconnaissance tool on the Ian property to isolate areas of anomalous base and precious metal soil enrichment for follow-up by prospecting.

A statistical analysis of the gold, silver, copper, lead, zinc, arsenic and antimony results was completed for all of the soil samples. The 90th percentile for each element was selected as an anomalous level and values above this are shown on Figures 5 and 6. The anomalous values are:

<u>Element</u>	<u>90th Percentile (approx.)</u>
Gold	15 ppb
Silver	0.7 ppm
Copper	96 ppm
Lead	21 ppm
Zinc	200 ppm
Arsenic	16 ppm
Antimony	0.5 ppm

Several areas on both sides of the Verrett River returned consecutive series of anomalous sample sites. These multi-station, multi-element geochemical anomalies most likely reflect the base metal rich precious metal targets being explored elsewhere in the Iskut region.

The area bounded by 575E 2+00W to 8+25W and 375E 0+75W to 7+00W is characterized by anomalous lead, zinc, silver, arsenic and to a lesser extent, gold and antimony values. The highest gold value (2170 ppb) of the entire survey was located at 575E 4+75W. This area is underlain by limestone, sediments and syenite intrusions. Further to the west, Line 375E from 12+75W to 14+50W, is similarly anomalous.

The far western end of Lines 575E and 770E contain sporadic copper, lead, gold and silver anomalies. One sample, 575E 18+25

returned values of 228 ppm copper, 34 ppm lead, 0.8 ppm silver, 120 ppm arsenic and 230 ppb gold. Syenitic bodies intrude interbedded siltstone/greywacke and chert horizons throughout this area.

On the west side of the Verrett River, one area of immediate interest lies along the limestone-agglomerate contact on Line 335W from 0+50N to 2+25N. High lead, zinc, silver and antimony values occur in the samples taken on this part of the line. Strong pyrite mineralization was discovered in the same area; however, the low lead, zinc, arsenic and antimony values in the rock analyses of the mineralization sampled are not consistent with the high soil values.

Stations 5+25S and 5+50S on Line 335W returned anomalous values for all elements tested except gold. Many other spot anomalies found throughout the survey area also warrant follow-up work.

8.0 DISCUSSION

The Ian 1-4 claims are underlain by Permian limestone and Upper Triassic Hazelton Group volcanoclastics and sediments which have been intruded by syenitic intrusives. Mineralization elsewhere in the Iskut district, including the Snip and Stonehouse Gold deposits approximately seven kilometers to the southwest, appears genetically related to syenitic bodies, and is hosted by altered Hazelton Group sediments and volcanics.

In 1988, a program of reconnaissance geological mapping and geochemical sampling was conducted over the Ian 1-4 claims to outline anomalous areas for more intensive exploration. To this end, the program successfully defined several strong soil geochemical anomalies that require more detailed follow-up. Of

particular interest, a large copper, lead, zinc, silver, gold, arsenic and antimony soil anomaly lies in the southwest sector of the Ian 4 claim. The bedrock source of these anomalous soil values remains to be discovered. Further exploration of the southwest corner of the Ian 4 claim would be best approached by establishing a grid over the area for detailed geological mapping, soil geochemistry and prospecting. The underlying geology in this area is permissive for both limestone-hosted skarn and mesothermal quartz vein type deposits.

Limited rock sampling was completed during the program. One sample returned an anomalous gold value (Sample #245453 - 2800 ppb gold) but the location of the float sample and stream sediment results further upstream indicate that the source of this float may be further north, off the Ian property.

Further exploration is recommended for Ian property. A program of detailed mapping, prospecting and soil geochemistry should be instituted in the anomalous areas outlined by the 1988 program.

Respectfully submitted,
EQUITY ENGINEERING LTD.



David A. Caulfield, Geologist



Bruno Kasper, Geologist

Vancouver, British Columbia
February, 1989

APPENDIX A

BIBLIOGRAPHY

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APPENDIX B

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES: IAN 1-4 CLAIMS

PROFESSIONAL FEES AND WAGES:

Henry J. Awmack, P.Eng.		
1.50 days @ \$300/day	\$	450.00
David A. Caulfield, Geologist		
15.0 days @ \$300/day		4,500.00
Bruno Kasper, Geologist		
22.75 days @ \$250/day		4,750.00
Donald McInnes, Sampler		
15.0 days @ \$175/day		2,625.00
Fred Ensom, Sampler		
11.00 days @ \$175/day		1,925.00
Grace Jones, Cook		
5.0 days @ \$175/day		<u>875.00</u>
	\$	15,125.00

CHEMICAL ANALYSES:

14 stream sediment samples		
@ \$17.25	\$	241.50
579 soil samples @ \$19.25		11,145.75
21 rock samples @ \$17.75		<u>372.75</u>
		11,760.00

ROOM CHARGES (TUNGCO CAMP):

62.25 mandays @ \$30/manday		1,867.50
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EXPENSES:

Geochemical Supplies		85.44
Material and Supplies		280.51
Maps and Publications		66.00
Orthophoto		2,635.00
Camp Supplies		306.13
Camp Food		887.47
Camp Fuel		29.26
Travel		527.20
Aircraft Charters		1,587.60
Helicopter Charters		5,950.00
Telephone Charges		3.88
Courier and Telefax		12.00
Freight		125.55
Aircraft Charters		160.95
Expediting		1,203.00
Report (estimated)		<u>3,000.00</u>
		16,859.79

MANAGEMENT FEES:

15% on expenses only		<u>4,003.80</u>
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\$ 49,616.09
=====

APPENDIX C

ROCK SAMPLE DESCRIPTIONS

Sampler B.K.
Date August 12, 1988

Project BIM 88-01
Property TAN 1-4

NTS N4E/10W, NE
Location Ref Iskut River
Air Photo No _____

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au ppb	Ag ppb	Pb ppb	Cu ppb	Fe ppb	Zn ppb
245401	375 E 28+75 W	Grab o/c	~ 10 cm	f. gr s/s or siltst	CL + QZ	PY, LI Products	CL/QZ vein stringers + blobs of PY, exposed for 1.0m, $\pm 091^\circ/75^\circ N$	5	8.6	5	174	512	185
245402	575 E 3+75 E	Grab o/c	25 cm	coarse crystal. QZ Vein	QZ	Sporadic blobs of PY + LI Products	- in syenitic intrusive, close to # 245403, strike $025^\circ/62^\circ W$	<5	0.4	<5	9	6	25
245403	575 E 3+75 E	"	15 cm	QZ Vein	QZ	Mass PY + Mg + LI Products	- in syenitic intrusive, v. coarse crystalline, variable in width $\pm 163^\circ/17^\circ W$	15	0.4	<5	4	<2	9
245404	770 E 14+67 W	"	7 cm	ss. wacke	QZ	LI Products	- width very variable, var. only follows $\pm 2^\circ/1^\circ$	<5	0.2	10	97	<2	90
245405	770 E 14+70 W	"	~ 1m	ss. wacke	Siliceous > CL	Blobs of LI Products	sporadic blobs scattered throughout the stained zone	<5	0.2	<5	171	6	67
245406	335 W 0+25 N	"		conglom (?)	CL	Dissem. PY + PY stringers, LI Products	highly leached, bleached grey colour	<5	<0.2	5	33	66	84
245407	~ 335 W 0+50 N	"		conglom (?)	QZ	Dissem PY (15-20%)	~ 30m from pt. on $B2^\circ 359^\circ$ close to sinkholes	<5	<0.2	80	33	<2	76
245408	10m north of 245407	"		conglom (?)	QZ	Dissem PY + blobs, LI Products	QZ stringers present, o/c continues ~ 40m on $S8^\circ 15^\circ W$	<5	<0.2	75	36	8	74
245409	335 W 2+25 N	Flint		volcaniclastic ss or tuff	CL + QZ (?)	LI products (goethite)	close to source in situ flint, has small green chlorite blebs	<5	<0.2	<5	18	4	112
245410	~ 50m from 335 W, 0+00	"		agglom (?)	Siliceous	Dissem PY (3-4%)	- flint found on $S8^\circ$ or 208° from 335 W, 0+00	<5	<0.2	40	51	8	82
245411	335 W 2+100 S	"		agglom	Siliceous + CL	PY	- contains emerald green chlorite wisps + stringers + dissem. PY	<5	<0.2	<5	10	12	53
245412	335 W 2+40 S	Grab o/c		"	CL + QZ	PY, LI Products	east of v. shallow prominent wisps and blobs of PY + goethite + jarosite	<5	<0.2	20	74	10	89
245413	335 W 10+20 S	"		Intrusive (?)	CL + QZ	Dissem. PY (1-2%)	Mineralized area on $090^\circ/7^\circ N$ Mg decreases to a 10% towards east PY blobs very sporadic throughout	<5	<0.2	5	<1	<2	100

APPENDIX D

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

EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

A8821240

Comments :

CERTIFICATE A8821240

EQUITY ENGINEERING LTD.
 PROJECT : BIM 88-01
 P. O. # : NONE

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 29-AUG-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
203	5	Dry, sieve -35 mesh and ring
238	5	ICP: Aqua regia digestion

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	5	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
921	5	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
922	5	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
923	5	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	5	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	5	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	5	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	5	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	5	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	5	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	5	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	5	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	5	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	5	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	5	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	5	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	5	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	5	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	5	Mn ppm: 32 element, soil & rock	ICP-AES	1	10000
938	5	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	5	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	5	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	5	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	5	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	5	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	5	Sc ppm: 32 elements, soil & rock	ICP-AES	1	100000
944	5	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	5	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	5	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	5	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	5	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	5	W ppm: 32 element, soil & rock	ICP-AES	5	10000
950	5	Zn ppm: 32 element, soil & rock	ICP-AES	5	10000



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Project : BIM 88-01

Comments:

Page # :
Tot. Pages: 1
Date : 29-AUG-88
Invoice # : I-8821240
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8821240

SAMPLE DESCRIPTION	PREP CODE		Au ppb	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
			FA+AA																		
BIM S1	203	238	350	2.27	0.4	< 5	120	1.5	8	0.49	0.5	8	37	13	3.91	10	< 1	0.18	30	0.69	1170
BIM S2	203	238	10	2.18	0.6	< 5	90	2.0	6	0.32	< 0.5	6	25	7	3.53	10	< 1	0.12	30	0.60	879
BIM S3	203	238	5	1.94	0.6	< 5	90	1.5	6	0.44	< 0.5	6	55	7	3.06	10	< 1	0.15	30	0.63	661
BIM S4	203	238	350	2.63	1.0	40	140	0.5	12	0.87	0.5	25	41	121	5.12	10	< 1	0.23	20	1.45	1105
BIM S5	203	238	80	1.99	0.4	15	110	1.0	6	0.68	1.0	12	89	21	3.77	10	< 1	0.19	30	0.68	1080

CERTIFICATION :

B. Coughlin



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V6B 1N2

Project : BIM 88-01
Comments :

Page # :
Tot. Pages: 1
Date : 29-AUG-88
Invoice # : I-8821240
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8821240

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
BIM S1	203	238	4	0.09	6	330	12	< 5	3	41	0.19	< 10	< 10	37	15	155
BIM S2	203	238	5	0.04	6	250	6	< 5	3	30	0.19	< 10	< 10	31	15	109
BIM S3	203	238	3	0.07	8	290	14	< 5	3	45	0.15	< 10	< 10	33	10	100
BIM S4	203	238	2	0.04	15	680	30	< 5	7	62	0.13	< 10	< 10	94	35	159
BIM S5	203	238	4	0.13	12	290	18	< 5	4	69	0.21	< 10	< 10	57	25	174

CERTIFICATION : *B. Coughlin*



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VANCOUVER, BC
V6B 1N2

Project : BIM 88-01

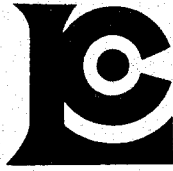
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Tot. Pages: 1
Date : 8-SEP-88
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P.O. # : NONE

CERTIFICATE OF ANALYSIS A8822274

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			FA+AA	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%
BIM 56	203	238	75	1.58	0.6	10	110	1.5	4	0.96	1.5	9	98	17	4.30	< 10	< 1	0.16	20	0.68	961
BIM 57	203	238	10	1.72	0.6	20	90	1.0	6	0.71	1.0	13	48	14	3.78	< 10	< 1	0.14	10	1.16	1085
BIM 58	203	238	5	1.65	0.2	10	140	1.0	4	0.60	1.0	10	89	15	3.29	< 10	< 1	0.22	10	0.75	1025
BIM 59	203	238	< 5	2.00	0.6	5	60	3.5	2	0.26	< 0.5	9	21	5	4.70	10	< 1	0.11	20	0.50	1330
S 10	203	238	< 5	1.72	0.6	15	90	4.0	< 2	0.28	< 0.5	5	14	8	3.72	10	< 1	0.10	30	0.32	940
S 11	203	238	< 5	1.93	0.6	5	130	3.5	4	0.43	1.0	10	14	18	3.87	10	< 1	0.10	30	0.59	966
S 12	203	238	< 5	1.58	0.6	10	90	2.0	4	0.39	2.0	6	23	12	2.86	10	< 1	0.13	30	0.49	665
S 13	203	238	135	1.75	0.2	20	300	0.5	6	0.62	1.0	18	44	71	4.18	< 10	< 1	0.19	10	1.19	931

CERTIFICATION : *B. Coughlin*



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Project : BIM 88-01
Comments:

File No.
Tot. Pages: 1
Date : 8-SEP-88
Invoice # : I-8822274
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8822274

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BIM 56	203	238	6	0.07	9	420	4	< 5	4	62	0.25	< 10	< 10	62	10	360
BIM 57	203	238	1	0.09	8	510	6	< 5	5	48	0.23	< 10	< 10	53	< 5	159
BIM 58	203	238	4	0.11	6	380	6	< 5	4	67	0.15	< 10	< 10	57	< 5	246
BIM 59	203	238	4	0.08	6	490	4	< 5	2	21	0.30	< 10	< 10	37	< 5	152
S 10	203	238	5	0.07	6	360	6	< 5	2	20	0.25	< 10	< 10	25	< 5	147
S 11	203	238	4	0.05	7	470	8	< 5	3	25	0.21	< 10	< 10	39	< 5	161
S 12	203	238	3	0.07	6	300	6	< 5	2	27	0.18	< 10	< 10	25	< 5	268
S 13	203	238	4	0.03	9	710	26	< 5	5	35	0.07	< 10	< 10	65	< 5	127

CERTIFICATION : B. Cagli



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VANCOUVER, BC
V6B 1N2

Project : BIM 88-01

Comments: ATTN: HENRY AWMAK

Page # :
Total Pages :
Date : 14-SEP-88
Invoice # : I-8822813
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8822813

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
BIM S-14	203 238	25	1.79	< 0.2	< 5	190	1.0	6	7.40	0.5	23	34	55	4.03	20	< 1	0.35	10	1.35	1010

CERTIFICATION : B. Coughlin



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VANCOUVER, BC
V6B 1N2

Project : BIM 88-01
Comments: ATTN: HENRY AWMACK

Page No. [redacted]
Total Pages: 1
Date : 14-SEP-88
Invoice # : I-8822813
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8822813

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BIM S-14	203	238	< 1	0.05	13	980	< 2	10	7	71	0.15	< 10	< 10	112	10	108

CERTIFICATION : P. Caplin



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EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

A8821241

Comments:

CERTIFICATE A8821241

EQUITY ENGINEERING LTD.
PROJECT : BIM 88-01
P.O.# : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 29-AUG-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	5	Rock Geochem: Crush,split,ring
238	5	ICP: Aqua regia digestion

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	5	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
921	5	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
922	5	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
923	5	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	5	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	5	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	5	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	5	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	5	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	5	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	5	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	5	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	5	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	5	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	5	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	5	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	5	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	5	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	5	Mn ppm: 32 element, soil & rock	ICP-AES	1	10000
938	5	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	5	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	5	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	5	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	5	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	5	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	5	Sc ppm: 32 elements, soil & rock	ICP-AES	1	100000
944	5	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	5	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	5	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	5	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	5	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	5	W ppm: 32 element, soil & rock	ICP-AES	5	10000
950	5	Zn ppm: 32 element, soil & rock	ICP-AES	5	10000



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QUI...NGI...NG
406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BIM 88-01
Comments :

Page # :
Tot. Pages: 1
Date : 29-AUG-88
Invoice # : I-8821241
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8821241

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			FA+AA	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%
245401	205	238	5	2.05	8.6	5	40	< 0.5	34	0.26	< 0.5	7	14	194	8.64	10	< 1	0.24	< 10	1.50	869
245453	205	238	2800	0.98	4.0	5	10	< 0.5	32	0.42	< 0.5	236	33	1950	13.15	10	< 1	0.06	< 10	0.59	299
245454	205	238	35	0.41	0.4	15	40	< 0.5	4	0.05	< 0.5	2	106	73	8.07	< 10	< 1	0.10	< 10	0.07	459
245455	205	238	< 5	0.44	0.4	< 5	10	< 0.5	< 2	0.37	< 0.5	< 1	62	51	>15.00	10	< 1	0.04	< 10	0.05	7800
245456	205	238	90	1.12	2.4	150	10	< 0.5	< 2	0.47	< 0.5	7	68	278	5.66	10	< 1	0.04	< 10	0.42	1775

CERTIFICATION : B. Coughlin



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212 BROOKSBANK AVE., NORTH VANCOUVER,
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406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BIM 88-01
Comments :

Page # :
Total Pages: 1
Date : 29-AUG-88
Invoice # : I-8821241
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8821241

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
245401	205	238	4	0.02	6	880	512	< 5	5	21	0.27	< 10	< 10	90	5	185
245453	205	238	7	0.02	36	350	14	5	4	12	0.06	< 10	10	52	10	70
245454	205	238	2	0.01	15	170	26	< 5	2	2	0.03	10	10	31	< 5	98
245455	205	238	18	0.01	33	1000	8	< 5	1	12	0.05	20	30	91	20	30
245456	205	238	74	< 0.01	56	340	40	< 5	2	68	0.06	10	10	43	5	83

CERTIFICATION : *B. Coughlin*



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406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BIM 88-01

Comments:

P... o.
Tot. Pages: 1
Date : 8-SEP-88
Invoice # : I-8822275
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8822275

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
245402	205 238	< 5	0.72	0.4	< 5	10	< 0.5	2	0.45	< 0.5	8	104	9	1.98	< 10	< 1	0.02	< 10	0.49	318
245403	205 238	15	0.16	0.4	< 5	< 10	1.0	< 2	0.08	< 0.5	9	140	4	4.77	< 10	< 1	< 0.01	< 10	0.02	50
245404	205 238	< 5	1.74	0.2	10	10	2.0	4	1.17	< 0.5	17	54	97	7.49	20	< 1	0.05	10	0.78	948
245405	205 238	< 5	1.87	0.2	< 5	30	0.5	2	0.73	< 0.5	23	36	171	4.13	20	1	0.15	10	1.30	731
245457	205 238	< 5	3.14	0.2	15	110	1.5	2	0.70	< 0.5	40	83	8	7.44	20	< 1	0.16	10	2.45	1635

CERTIFICATION : B. Coughlin



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406 - 675 W. HASTINGS ST.
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Project : BIM 88-01

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P.O. # : NONE

CERTIFICATE OF ANALYSIS A8822275

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
245402	205 238	1	0.02	2	540	6	< 5	1	55	0.07	< 10	< 10	40	< 5	25
245403	205 238	1	0.01	3	200	< 2	< 5	< 1	9	0.01	< 10	< 10	23	< 5	9
245404	205 238	< 1	0.03	1	2430	< 2	5	4	250	0.17	< 10	< 10	60	< 5	90
245405	205 238	< 1	0.13	7	950	6	< 5	6	61	0.26	< 10	< 10	100	< 5	67
245457	205 238	2	0.04	18	1480	< 2	< 5	12	23	0.24	< 10	< 10	136	< 5	239

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VANCOUVER, BC
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Project : BIM 88-01

Comments: ATTN: HENRY AWMAK

Total Pages: 1
Date : 14-SEP-88
Invoice # : I-8822814
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8822814

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
245406	205 238	< 5	2.09	< 0.2	5	30	0.5	6	1.16	0.5	24	35	33	5.23	< 10	< 1	0.08	20	1.58	765
245407	205 238	< 5	1.78	< 0.2	80	70	1.0	4	0.62	1.0	24	11	33	6.50	< 10	< 1	0.25	10	0.99	377
245408	205 238	< 5	1.55	< 0.2	75	50	1.0	< 2	2.33	1.5	25	11	36	6.29	10	< 1	0.19	30	1.04	523
245409	205 238	< 5	2.75	< 0.2	< 5	50	1.5	< 2	0.46	0.5	44	7	18	7.60	< 10	< 1	0.20	10	2.23	1245
245410	205 238	< 5	2.60	< 0.2	40	50	1.0	2	1.58	0.5	25	14	51	7.39	< 10	3	0.17	30	0.46	329
245411	205 238	< 5	1.56	< 0.2	< 5	80	1.0	< 2	0.58	0.5	10	29	10	3.88	< 10	< 1	0.21	10	1.03	444
245412	205 238	< 5	2.12	< 0.2	20	40	1.5	2	0.44	0.5	22	20	74	10.25	< 10	< 1	0.10	10	1.36	708
245413	205 238	< 5	1.37	< 0.2	5	110	0.5	< 2	3.41	< 0.5	< 1	28	< 1	2.67	10	< 1	0.38	40	0.79	1170
245458	205 238	15	1.31	< 0.2	< 5	150	0.5	8	0.69	0.5	21	55	38	5.38	< 10	< 1	0.69	10	0.64	358
245459	205 238	5	1.00	< 0.2	< 5	20	1.5	2	0.75	1.0	23	27	29	11.60	< 10	1	0.20	10	0.47	213
245460	205 238	< 5	0.08	0.2	< 5	200	< 0.5	< 2	0.03	< 0.5	< 1	171	17	0.47	< 10	< 1	0.02	< 10	0.06	146

CERTIFICATION :

B. Coughlin



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406 - 675 W. HASTINGS ST.
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Project : BIM 88-01

Comments: ATTN: HENRY AWMAK

Total Pages: 1
Date : 14-SEP-88
Invoice # : I-8822814
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8822814

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
245406	205	238	< 1	0.06	3	1060	66	5	5	62	0.35	< 10	< 10	96	10	84
245407	205	238	< 1	0.13	< 1	1130	< 2	< 5	3	57	0.31	< 10	< 10	49	5	76
245408	205	238	9	0.11	7	1270	8	< 5	3	52	0.22	< 10	< 10	47	10	74
245409	205	238	< 1	0.04	< 1	940	4	< 5	6	16	0.33	< 10	< 10	98	5	112
245410	205	238	< 1	0.24	< 1	1300	8	< 5	4	128	0.32	< 10	< 10	51	10	82
245411	205	238	1	0.09	1	770	12	< 5	6	79	0.34	< 10	< 10	91	5	53
245412	205	238	10	0.03	6	1440	10	< 5	7	45	0.44	< 10	< 10	138	10	89
245413	205	238	< 1	0.03	< 1	1150	< 2	10	2	121	0.02	< 10	< 10	24	< 5	100
245458	205	238	< 1	0.09	10	1190	< 2	< 5	4	46	0.26	< 10	< 10	102	< 5	68
245459	205	238	16	0.05	11	690	2	5	4	80	0.38	< 10	< 10	91	< 5	52
245460	205	238	< 1	0.01	1	50	< 2	< 5	< 1	4	< 0.01	< 10	< 10	6	< 5	5

CERTIFICATION : B. Coughlin



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

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.

VANCOUVER, BC

V6B 1N2

A8821242

Comments:

CERTIFICATE A8821242

EQUITY ENGINEERING LTD.

PROJECT : BIM 88-01

P.O.# : NONE

Samples submitted to our lab in Vancouver, BC.

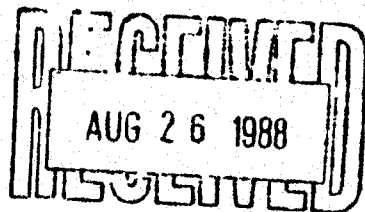
This report was printed on 25-AUG-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	246	Dry, sieve -80 mesh; soil, sed.
217	1	Geochem: Ring only, no crush/split

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.



ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	246	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2	247	Cu ppm: HNO3-aqua regia digest	AAS	1	10000
3	247	Mo ppm: HNO3-aqua regia digest	AAS	1	10000
4	247	Pb ppm: HNO3-aqua regia digest	AAS-BKGD CORR	1	10000
5	247	Zn ppm: HNO3-aqua regia digest	AAS	5	10000
6	247	Ag ppm: HNO3-aqua regia digest	AAS-BKGD CORR	0.2	200
13	247	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000
22	246	Sb ppm: HCl-KClO3 digest, extrac	AAS-BKGD CORR	0.2	1000



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To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: BIM 88-01

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Tot. Pages: 7

Date: 25-AUG-88

Invoice #: I-8821242

P.O. #: NONE

CERTIFICATE OF ANALYSIS A8821242

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
3+75E 00+25E	201 ---	< 5	16		8	13	0.1	7	0.6		
3+75E 00+50E	201 ---	< 5	15		8	14	0.2	9	0.2		
3+75E 00+75E	201 ---	< 5	19		5	13	0.1	11	0.2		
3+75E 01+00E	201 ---	< 20	6		1	9	0.1	4	0.1		
3+75E 01+25E	201 ---	< 5	30		4	11	0.1	9	0.2		
3+75E 01+50E	201 ---	< 5	7		4	7	0.1	5	0.2		
3+75E 01+75E	201 ---	< 5	18		4	10	0.3	7	0.1		
3+75E 02+00E	201 ---	< 5	10		6	14	0.3	9	0.3		
3+75E 02+25E	201 ---	< 5	15		5	12	0.1	9	0.1		
3+75E 02+50E	201 ---	< 5	18		6	12	0.1	10	0.2		
3+75E 02+75E	201 ---	< 10	13		3	9	0.1	3	0.1		
3+75E 03+00E	201 ---	< 5	17		5	18	0.2	4	0.1		
3+75E 03+25E	201 ---	< 5	21		4	12	0.1	10	0.1		
3+75E 03+50E	201 ---	< 5	17		6	12	0.1	9	0.2		
3+75E 03+75E	201 ---	< 5	11		8	8	0.1	5	0.6		
3+75E 04+00E	201 ---	< 5	20		6	14	0.1	6	0.4		
3+75E 04+25E	201 ---	< 5	12		4	14	0.1	7	0.2		
3+75E 04+50E	201 ---	< 5	54		4	14	0.2	5	0.2		
3+75E 04+75E	201 ---	< 5	19		4	13	0.2	7	0.2		
3+75E 05+00E	201 ---	< 5	12		3	16	0.3	5	0.1		
3+75E 05+25E	201 ---	< 5	16		3	16	0.1	5	0.2		
3+75E 05+50E	201 ---	< 5	86		4	13	0.1	12	0.2		
3+75E 05+75E	201 ---	< 5	21		3	12	0.3	6	0.1		
3+75E 06+00E	201 ---	< 5	19		5	12	0.3	7	0.1		
3+75E 06+25E	201 ---	< 5	12		6	12	0.1	9	0.2		
3+75E 06+50E	201 ---	< 5	12		5	15	0.1	7	0.2		
3+75E 06+75E	201 ---	< 5	13		3	12	0.2	7	0.2		
3+75E 07+00E	201 ---	< 5	15		5	14	0.1	10	0.4		
3+75E 07+25E	201 ---	< 5	14		5	19	0.1	10	0.2		
3+75E 07+50E	201 ---	< 5	34		3	23	0.1	12	0.2		
3+75E 07+75E	201 ---	< 5	33		2	11	0.2	7	0.3		
3+75E 08+00E	201 ---	< 5	10		3	12	0.1	9	0.3		
3+75E 08+25E	201 ---	< 5	96		3	24	0.1	9	0.2		
3+75E 08+50E	201 ---	< 5	47		5	9	0.1	11	0.2		
3+75E 08+75E	201 ---	< 5	21		4	14	0.1	7	0.2		
3+75E 09+00E	201 ---	< 5	12		2	7	0.1	6	0.3		
3+75E 09+25E	201 ---	< 5	18		5	6	0.1	6	0.2		
3+75E 09+50E	201 ---	< 5	18		1	6	0.1	5	0.1		
3+75E 09+75E	201 ---	< 5	13		6	8	0.1	9	0.1		
3+75E 10+00E	201 ---	< 5	6		10	9	0.1	5	0.1		

CERTIFICATION :

Frank Becker



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

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To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: BIM 88-01

Comments:

Page No.: 2
Tot. Pages: 7
Date: 25-AUG-88
Invoice #: I-8821242
P.O. #: NONE

CERTIFICATE OF ANALYSIS A8821242

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mb ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
3+7SE 10+2SE	201 ---	< 5	11	11	11	150	0.1	5	0.1		
3+7SE 10+50E	201 ---	< 5	15	3	13	142	0.1	10	0.1		
3+7SE 10+7SE	201 ---	10	17	5	12	183	0.1	12	0.1		
3+7SE 11+00E	201 ---	< 5	5	1	9	47	0.1	5	0.1		
3+7SE 11+2SE	201 ---	< 5	12	3	9	142	0.1	7	0.2		
3+7SE 11+50E	201 ---	< 5	7	2	7	91	0.1	5	0.1		
3+7SE 11+7SE	201 ---	< 5	7	1	16	58	0.1	5	0.1		
3+7SE 12+00E	201 ---	5	13	2	14	153	0.1	10	0.1		
3+7SE 12+2SE	201 ---	5	10	3	9	110	0.1	10	0.1		
3+7SE 12+50E	201 ---	< 5	22	3	8	263	0.1	9	0.2		
3+7SE 12+7SE	201 ---	5	17	1	13	148	0.1	5	0.1		
3+7SE 13+00E	201 ---	5	22	3	16	177	0.1	4	0.1		
3+7SE 13+2SE	201 ---	10	25	6	14	104	0.1	6	0.4		
3+7SE 13+50E	201 ---	< 5	13	4	13	120	0.1	9	0.1		
3+7SE 13+7SE	201 ---	< 5	31	3	20	147	0.1	7	0.1		
3+7SE 14+00E	201 ---	< 5	21	7	13	136	0.1	5	0.1		
3+7SE 00+00W	201 ---	< 5	11	4	14	94	0.1	10	0.4		
3+7SE 00+2SW	201 ---	< 5	12	5	12	133	0.1	11	0.4		
3+7SE 00+50W	201 ---	< 5	15	5	12	107	0.1	15	0.4		
3+7SE 00+7SW	201 ---	15	12	5	10	121	0.1	11	0.3		
3+7SE 01+00W	201 ---	< 5	9	5	12	69	0.1	7	0.4		
3+7SE 01+2SW	201 ---	< 5	24	5	40	233	0.1	14	0.4		
3+7SE 01+50W	201 ---	< 5	14	1	9	186	0.1	7	0.1		
3+7SE 01+7SW	201 ---	< 5	37	2	9	64	0.4	4	0.1		
3+7SE 02+00W	201 ---	< 5	16	5	13	170	0.2	7	0.1		
3+7SE 02+2SW	201 ---	< 5	40	2	18	449	0.1	6	0.1		
3+7SE 02+50W	201 ---	< 5	18	5	14	195	0.2	240	0.8		
3+7SE 02+7SW	201 ---	< 5	29	8	24	490	0.1	200	1.0		
3+7SE 03+00W	201 ---	< 5	40	5	12	171	0.1	24	0.4		
3+7SE 03+2SW	201 ---	< 5	118	1	2	146	0.1	12	0.2		
3+7SE 03+50W	201 ---	< 5	38	4	24	249	0.5	9	0.2		
3+7SE 03+7SW	201 ---	< 5	26	1	12	174	0.1	6	0.1		
3+7SE 04+00W	201 ---	< 5	20	2	11	127	0.1	9	0.1		
3+7SE 04+2SW	201 ---	< 5	38	1	43	302	1.0	6	0.2		
3+7SE 04+50W	201 ---	5	29	2	30	187	0.4	5	0.4		
3+7SE 04+7SW	201 ---	< 5	171	1	21	161	0.5	6	1.2		
3+7SE 05+00W	201 ---	< 20	45	2	20	224	0.1	9	0.4		
3+7SE 05+2SW	217 ---	< 5	44	1	26	86	0.1	5	0.1		
3+7SE 05+50W	201 ---	10	283	2	1180	820	1.4	6	2.0		
3+7SE 05+7SW	201 ---	5	44	1	44	226	0.4	3	0.2		

CERTIFICATION: Hart Bichler



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To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: BIM 88-01

Comments:

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Tot. Pages: 7
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Invoice #: I-8821242
P.O. #: NONE

CERTIFICATE OF ANALYSIS A8821242

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mb ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
3+75E 06+00W	201	---	10	155	1	30	297	0.9	5	0.2	
3+75E 06+25W	201	---	< 5	22	5	18	227	0.5	10	0.1	
3+75E 06+50W	201	---	< 5	16	4	13	268	0.3	10	0.2	
3+75E 06+75W	201	---	< 5	15	4	20	175	0.2	9	0.2	
3+75E 07+00W	201	---	< 5	44	1	18	207	0.3	9	0.4	
3+75E 07+25W	201	---	< 5	32	2	11	109	0.2	10	0.6	
3+75E 07+50W	201	---	< 5	26	2	8	186	0.1	9	0.3	
3+75E 07+75W	201	---	10	24	1	9	163	0.1	11	0.3	
3+75E 08+00W	201	---	< 5	37	2	6	194	0.1	14	0.2	
3+75E 08+25W	201	---	< 5	12	1	9	88	0.1	6	0.2	
3+75E 08+50W	201	---	< 15	7	1	8	32	0.1	4	0.1	
3+75E 08+75W	201	---	< 5	45	1	6	145	0.1	6	0.1	
3+75E 09+00W	201	---	5	16	3	10	167	0.1	7	0.2	
3+75E 09+25W	201	---	< 10	54	1	7	55	0.1	6	0.2	
3+75E 09+50W	201	---	30	79	5	32	132	0.5	53	0.4	
3+75E 09+75W	201	---	< 10	32	5	10	155	0.1	14	0.4	
3+75E 10+00W	201	---	5	8	3	13	139	0.1	6	0.1	
3+75E 10+25W	201	---	60	16	1	13	89	0.1	5	0.2	
3+75E 10+50W	201	---	< 5	13	1	10	138	0.1	6	0.2	
3+75E 10+75W	201	---	< 5	35	1	10	125	0.1	11	0.1	
3+75E 11+00W	201	---	< 5	15	1	9	117	0.1	7	0.2	
3+75E 11+25W	201	---	< 5	52	3	32	228	0.3	5	0.2	
3+75E 11+50W	201	---	10	16	1	8	127	0.1	4	0.1	
3+75E 11+75W	201	---	10	6	1	9	64	0.1	3	0.2	
3+75E 12+00W	201	---	5	10	1	14	66	0.2	3	0.2	
3+75E 12+25W	201	---	< 5	24	2	13	165	0.1	5	0.2	
3+75E 12+50W	201	---	< 5	10	2	9	158	0.1	7	0.2	
3+75E 12+75W	201	---	10	7	1	17	217	0.1	4	0.1	
3+75E 13+00W	201	---	5	29	1	500	348	0.8	5	0.1	
3+75E 13+25W	201	---	5	16	3	18	173	0.1	39	0.2	
3+75E 13+50W	201	---	5	7	1	17	109	0.1	22	0.2	
3+75E 13+75W	201	---	10	9	2	17	146	0.1	6	0.2	
3+75E 14+00W	201	---	< 5	13	6	14	225	0.6	10	0.2	
3+75E 14+25W	201	---	< 15	28	12	26	285	0.1	32	1.0	
3+75E 14+50W	201	---	< 5	6	1	33	298	0.1	16	0.2	
3+75E 14+75W	201	---	< 5	13	1	9	303	0.1	15	0.1	
3+75E 15+00W	201	---	< 5	7	1	8	200	0.1	5	0.1	
3+75E 15+25W	201	---	< 5	18	5	24	167	0.1	22	0.1	
3+75E 15+50W	201	---	< 10	2	1	3	24	0.1	3	0.1	
3+75E 15+75W	201	---	< 10	11	1	2	63	0.1	2	0.1	

CERTIFICATION: Hart Bickler



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

PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BIM 88-01

Comments :

Page No. :
Tot. Pages: 7
Date : 25-AUG-88
Invoice # : I-8821242
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8821242

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
3+75E 16+00W	201 ---	< 10	30		1	3	18	0.1	3	0.1	
3+75E 16+25W	201 ---	< 5	83		1	7	70	0.6	10	0.1	
3+75E 16+50W	201 ---	< 5	21		4	14	96	0.1	9	0.2	
3+75E 16+75W	201 ---	< 5	40		6	12	119	0.1	22	0.2	
3+75E 17+00W	201 ---	55	63		14	2	95	0.1	9	0.1	
3+75E 17+25W	201 ---	< 10	104		3	13	342	0.6	150	0.2	
3+75E 17+50W	201 ---	20	8		1	9	22	0.1	3	0.1	
3+75E 17+75W	201 ---	< 5	26		3	9	94	0.1	9	0.2	
3+75E 18+00W	201 ---	< 5	20		1	8	59	0.2	3	0.1	
3+75E 18+25W	201 ---	< 5	11		5	13	66	0.5	39	0.1	
3+75E 18+50W	201 ---	< 5	27		3	10	135	0.4	10	0.1	
3+75E 18+75W	201 ---	5	24		1	12	37	0.1	3	0.1	
3+75E 19+00W	201 ---	< 5	30		4	13	78	0.3	14	0.4	
3+75E 19+25W	201 ---	240	14		1	10	36	0.1	3	0.1	
3+75E 19+50W	201 ---	< 5	112		10	11	261	0.1	23	0.8	
3+75E 19+75W	201 ---	< 5	8		1	1	15	0.1	4	0.2	
3+75E 20+00W	201 ---	not / ss	12		1	3	39	0.1	3	0.2	
3+75E 20+25W	201 ---	< 5	14		1	13	46	0.1	3	0.1	
3+75E 20+50W	201 ---	< 5	39		3	11	106	0.1	15	0.1	
3+75E 21+25W	201 ---	< 5	15		1	9	47	0.6	3	0.2	
3+75E 21+50W	201 ---	< 5	54		1	8	15	0.3	2	0.1	
3+75E 21+75W	201 ---	< 5	23		6	12	124	0.4	6	0.1	
3+75E 22+00W	201 ---	< 5	39		8	15	184	0.4	14	0.2	
3+75E 22+25W	201 ---	< 5	33		9	12	239	0.2	15	0.2	
3+75E 22+50W	201 ---	< 5	42		5	10	160	0.1	7	0.2	
3+75E 22+75W	201 ---	< 5	40		4	13	106	0.2	7	0.2	
3+75E 23+00W	201 ---	< 5	31		4	4	57	0.1	9	0.4	
3+75E 23+25W	201 ---	< 5	24		4	10	69	0.6	6	0.1	
3+75E 23+50W	201 ---	< 5	54		5	8	242	0.1	15	not / ss	
3+75E 23+75W	201 ---	< 5	20		3	9	99	0.1	7	0.4	
3+75E 24+00W	201 ---	< 5	8		1	6	28	0.1	3	0.1	
3+75E 24+25W	201 ---	< 5	5		1	7	10	0.1	2	0.1	
3+75E 24+50W	201 ---	105	22		8	22	56	0.8	4	0.1	
3+75E 24+75W	201 ---	< 5	59		12	18	196	0.4	7	0.4	
3+75E 25+00W	201 ---	< 5	18		8	15	159	0.9	9	0.2	
3+75E 25+25W	201 ---	< 5	15		6	14	94	0.3	7	0.2	
3+75E 25+50W	201 ---	< 5	11		10	19	172	0.3	9	0.2	
3+75E 25+75W	201 ---	< 5	17		34	14	117	0.3	7	0.1	
3+75E 26+00W	201 ---	< 5	14		4	8	116	0.4	3	0.1	
3+75E 26+25W	201 ---	< 5	32		19	21	100	0.5	14	0.2	

CERTIFICATION : *Hart Bichler*



Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BIM 88-01

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P.O. # : NONE

CERTIFICATE OF ANALYSIS A8821242

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
3+75E 26+50W	201 ---	10	21	12	17	161	0.3	12	0.2		
3+75E 26+75W	201 ---	15	7	16	8	31	0.7	3	0.1		
3+75E 27+00W	201 ---	< 5	53	110	4	105	0.5	5	0.1		
3+75E 27+25W	201 ---	5	78	23	4	66	0.3	4	0.1		
3+75E 27+50W	201 ---	< 10	9	1	1	20	0.1	6	0.1		
3+75E 27+75W	201 ---	< 10	24	5	5	38	0.3	3	0.1		
3+75E 28+00W	201 ---	< 5	43	3	8	79	0.4	15	0.2		
3+75E 28+25W	201 ---	< 5	21	7	18	230	0.2	9	0.4		
3+75E 28+50W	201 ---	30	59	12	25	110	0.3	7	0.2		
3+75E 28+75W	201 ---	< 5	101	4	152	328	1.6	4	0.2		
3+75E 29+00W	201 ---	< 10	18	2	10	36	0.2	2	0.1		
7+70E 00+00E	201 ---	< 5	29	4	13	107	0.1	7	0.2		
7+70E 00+25E	201 ---	< 5	39	3	14	56	0.4	4	0.1		
7+70E 00+50E	201 ---	< 5	16	4	12	66	0.1	3	0.1		
7+70E 00+75E	201 ---	< 5	23	4	15	75	0.1	5	0.1		
7+70E 01+00E	201 ---	< 5	13	1	13	41	0.2	3	0.1		
7+70E 01+25E	201 ---	< 5	11	4	10	40	0.1	3	0.2		
7+70E 01+50E	201 ---	< 5	14	5	10	46	0.3	15	0.1		
7+70E 01+75E	201 ---	< 5	30	6	12	94	0.1	7	0.4		
7+70E 02+00E	201 ---	< 5	32	3	12	82	0.2	4	0.1		
7+70E 02+25E	201 ---	< 5	22	2	8	63	0.1	3	0.1		
7+70E 02+50E	201 ---	< 5	20	3	10	87	0.1	5	0.1		
7+70E 02+75E	201 ---	< 5	31	5	11	61	0.3	6	0.1		
7+70E 03+00E	201 ---	< 5	85	6	16	69	0.8	5	0.1		
7+70E 03+25E	201 ---	< 5	28	8	12	53	0.5	7	0.1		
7+70E 03+50E	201 ---	< 5	17	5	18	91	0.1	6	0.1		
7+70E 03+75E	201 ---	< 5	23	4	11	62	0.5	9	0.1		
7+70E 04+00E	201 ---	< 5	45	1	12	61	0.7	17	0.1		
7+70E 04+25E	201 ---	< 5	92	5	55	133	1.1	280	1.0		
7+70E 04+50E	201 ---	< 5	132	5	15	58	1.0	29	0.2		
7+70E 04+75E	201 ---	< 5	32	1	12	74	0.5	3	0.1		
7+70E 05+00E	201 ---	< 5	16	4	11	88	0.2	6	0.1		
7+70E 05+25E	201 ---	< 10	14	4	11	60	0.2	5	0.1		
7+70E 05+50E	201 ---	< 5	15	3	14	39	0.3	3	0.1		
7+70E 05+75E	201 ---	< 5	12	5	17	51	0.1	9	0.1		
7+70E 06+00E	201 ---	< 5	19	5	17	55	0.8	3	0.1		
7+70E 06+25E	201 ---	< 5	33	6	17	59	0.5	7	0.1		
7+70E 06+50E	201 ---	< 5	35	4	14	179	0.5	7	0.1		
7+70E 06+75E	201 ---	< 5	41	4	12	79	0.6	3	0.1		
7+70E 07+00E	201 ---	< 5	12	6	14	67	0.1	7	0.2		

CERTIFICATION : *Hart Buchler*



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.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: BIM 88-01

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Date: 25-AUG-88

Invoice #: I-8821242

P.O. #: NONE

CERTIFICATE OF ANALYSIS A8821242

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
7+70E 7+25E	201 ---	< 5	12	4	12	86	0.1	4	0.1		
7+70E 7+50E	201 ---	< 5	11	2	11	53	0.2	3	0.2		
7+70E 7+75E	201 ---	< 5	13	5	16	38	0.6	7	0.1		
7+70E 8+00E	201 ---	< 20	56	16	11	77	0.2	3	0.1		
7+70E 8+25E	201 ---	105	69	2	16	64	0.7	3	0.1		
7+70E 8+50E	201 ---	< 5	20	2	11	36	0.3	3	0.1		
7+70E 8+75E	201 ---	< 5	39	3	9	72	0.3	4	0.1		
7+70E 9+00E	201 ---	< 10	34	2	5	89	0.2	3	0.1		
7+70E 9+25E	201 ---	< 10	33	2	11	38	0.5	3	0.1		
7+70E 10+00E	201 ---	20	30	3	9	48	0.3	5	0.1		
7+70E 10+25E	201 ---	< 60	98	8	16	33	1.0	6	0.1		
7+70E 0+25W	201 ---	< 5	11	7	19	52	0.3	10	0.1		
7+70E 0+50W	201 ---	< 5	15	8	14	106	0.2	6	0.2		
7+70E 0+75W	201 ---	< 5	14	4	12	45	0.3	5	0.1		
7+70E 1+00W	201 ---	< 5	15	5	12	62	0.2	6	0.1		
7+70E 1+25W	201 ---	< 5	14	6	14	52	0.4	4	0.1		
7+70E 1+50W	201 ---	< 5	41	4	9	64	0.2	6	0.1		
7+70E 1+75W	201 ---	< 5	18	8	14	68	0.2	5	0.1		
7+70E 2+00W	201 ---	< 5	35	5	14	89	0.1	4	0.1		
7+70E 2+25W	201 ---	< 5	13	3	7	49	0.2	5	0.1		
7+70E 2+50W	201 ---	105	13	4	12	48	0.3	4	0.1		
7+70E 2+75W	201 ---	< 5	20	7	19	78	0.1	10	0.1		
7+70E 3+00W	201 ---	< 5	20	3	12	70	0.2	10	0.1		
7+70E 3+25W	201 ---	< 5	17	4	16	77	0.3	10	0.1		
7+70E 3+50W	201 ---	< 5	13	5	18	59	0.2	17	0.8		
7+70E 3+75W	201 ---	< 5	18	2	9	40	0.1	6	0.1		
7+70E 4+00W	201 ---	< 5	35	2	14	47	0.2	5	0.1		
7+70E 4+25W	201 ---	< 5	20	6	15	53	0.1	9	0.1		
7+70E 4+50W	201 ---	< 5	22	5	14	122	0.1	7	0.2		
7+70E 4+75W	201 ---	15	24	5	10	89	0.4	11	0.1		
7+70E 5+00W	201 ---	< 5	23	5	11	84	0.2	11	0.1		
7+70E 5+25W	201 ---	< 5	22	6	19	51	0.5	10	0.1		
7+70E 5+50W	201 ---	< 5	17	4	10	61	0.2	6	0.1		
7+70E 5+75W	201 ---	< 5	28	2	6	74	0.1	5	0.1		
7+70E 6+00W	201 ---	< 5	13	7	21	81	0.2	14	0.1		
7+70E 6+25W	201 ---	< 5	22	5	16	57	0.2	10	0.1		
7+70E 6+50W	201 ---	< 5	21	4	12	56	0.2	10	0.1		
7+70E 6+75W	201 ---	< 10	14	1	3	30	0.1	3	0.1		
7+70E 7+00W	201 ---	< 5	17	3	13	110	0.1	9	0.1		
7+70E 7+25W	201 ---	< 5	29	1	12	120	0.2	15	0.1		

CERTIFICATION: Hart Buchler



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

To: EQUITY ENGINEERING LTD.

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V6B 1N2

Project : BIM 88-01

Comments:

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Tot. Pages: 7

Date : 25-AUG-88

Invoice # : I-8821242

P.O. # : NONE

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SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mb ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
7+70E 7+50W	201 --	< 5	41	1	20	299	0.2	10	0.1		
7+70E 7+75W	201 --	< 5	28	8	23	112	0.6	15	0.1		
7+70E 8+00W	201 --	< 5	23	3	15	86	0.7	15	0.1		
7+70E 8+25W	201 --	< 5	19	2	13	108	0.3	9	0.1		
7+70E 8+50W	201 --	< 5	39	1	11	243	0.2	29	0.1		
7+70E 8+75W	201 --	< 5	20	1	9	98	0.1	7	0.1		
7+70E 9+00W	201 --	70	28	2	7	107	0.1	6	0.1		

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406 - 675 W. HASTINGS ST.
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Project : BIM 88-01
 Comments :

ra... :
 Tot. Pages: 4
 Date : 10-SEP-88
 Invoice # : I-8822272
 P.O. # : NONE

CERTIFICATE OF ANALYSIS A8822272

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
575E 0+00	201	---	< 5	12	1	19	39	0.2	6	0.1	
575E 0+25W	201	---	15	10	1	20	42	0.3	5	0.1	
575E 0+50W	201	---	< 5	8	3	13	43	0.2	5	0.2	
575E 0+75W	201	---	< 5	20	4	17	80	0.3	7	0.1	
575E 1+00W	201	---	< 5	16	4	20	57	0.4	7	0.1	
575E 1+25W	201	---	< 5	43	2	20	114	0.4	10	0.1	
575E 1+50W	201	---	< 5	23	1	14	70	0.3	5	0.1	
575E 1+75W	201	---	< 5	13	4	19	95	0.2	10	0.1	
575E 2+00W	201	---	290	29	1	14	100	0.2	6	0.1	
575E 2+25W	201	---	< 5	16	3	13	114	0.4	9	0.1	
575E 2+50W	201	---	< 5	36	4	11	245	0.3	16	0.1	
575E 2+75W	201	---	< 5	46	3	13	150	0.4	63	0.1	
575E 3+00W	201	---	< 5	18	5	19	138	0.3	15	0.1	
575E 3+25W	201	---	< 5	33	3	10	96	1.0	16	0.1	
575E 3+50W	201	---	< 5	24	1	9	73	0.5	7	0.1	
575E 3+75W	201	---	< 5	34	3	8	92	0.4	12	0.1	
575E 4+00W	201	---	< 5	30	5	16	98	0.2	12	0.1	
575E 4+25W	201	---	10	155	4	440	220	1.6	200	0.2	
575E 4+50W	201	---	5	138	3	9	180	0.8	63	0.1	
575E 4+75W	201	---	2170	76	2	19	255	0.6	33	0.1	
575E 5+00W	201	---	< 5	95	1	69	340	0.5	150	0.1	
575E 5+25W	201	---	< 5	17	5	17	102	0.3	12	0.1	
575E 5+50W	201	---	< 5	27	3	17	222	0.2	27	0.2	
575E 5+75W	201	---	10	87	4	113	330	2.7	540	3.4	
575E 6+00W	201	---	< 5	32	12	30	92	0.4	57	1.0	
575E 6+25W	201	---	< 5	13	1	16	52	0.2	4	0.2	
575E 6+50W	201	---	< 5	36	2	27	102	0.7	35	0.2	
575E 6+75W	201	---	< 5	14	5	15	155	0.5	15	0.1	
575E 7+00W	201	---	< 5	13	5	14	131	0.2	15	0.1	
575E 7+25W	201	---	< 5	70	7	10	270	0.7	140	1.0	
575E 7+50W	201	---	< 5	32	6	16	250	0.3	51	0.1	
575E 7+75W	201	---	< 5	11	2	6	122	0.2	9	0.1	
575E 8+00W	201	---	< 5	11	3	10	164	0.3	10	0.1	
575E 8+25W	201	---	< 5	13	3	15	265	0.2	22	0.1	
575E 8+50W	201	---	< 5	13	1	13	195	0.3	16	0.1	
575E 8+75W	201	---	< 5	11	2	9	145	0.4	16	0.1	
575E 9+00W	201	---	< 5	15	1	8	64	0.3	10	0.8	
575E 9+25W	201	---	< 5	19	5	11	130	0.6	12	0.2	
575E 9+50W	201	---	40	18	4	11	94	0.4	9	0.1	
575E 9+75W	201	---	< 5	22	4	13	185	0.6	11	0.1	

CERTIFICATION : Hart Bichler



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Comments:

Tot. Pages: 4
Date : 10-SEP-88
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CERTIFICATE OF ANALYSIS A8822272

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
575E 10+00W	201	< 5	42	4	11	175	0.2	12	0.1		
575E 10+25W	201	< 5	114	11	16	405	0.7	22	1.2		
575E 10+50W	201	< 5	30	3	11	138	0.4	10	0.1		
575E 10+75W	201	< 5	25	4	11	102	0.6	11	0.1		
575E 11+00W	201	< 5	15	4	11	93	0.7	12	0.1		
575E 11+25W	201	< 5	26	3	16	112	0.4	19	0.1		
575E 11+50W	201	< 5	33	4	16	98	0.6	12	0.2		
575E 11+75W	201	< 5	24	5	15	100	0.7	14	0.1		
575E 12+00W	201	< 5	26	3	7	57	0.4	10	0.1		
575E 12+25W	201	< 5	20	6	12	98	0.3	12	0.1		
575E 12+50W	201	< 5	13	3	11	51	0.2	6	0.1		
575E 12+75W	201	< 5	23	5	11	80	0.4	14	0.2		
575E 13+00W	201	< 5	22	6	15	126	0.3	9	0.3		
575E 13+25W	201	< 5	50	2	11	120	1.0	7	0.2		
575E 13+50W	201	< 5	44	4	12	200	0.7	14	0.1		
575E 13+75W	201	< 5	42	2	17	90	0.4	7	0.1		
575E 14+00W	201	< 5	41	4	13	210	0.6	10	0.1		
575E 14+25W	201	< 5	12	1	12	44	0.2	5	0.1		
575E 14+50W	201	< 5	16	4	17	112	0.5	15	0.1		
575E 14+75W	201	< 5	10	1	12	46	0.3	6	0.1		
575E 15+00W	201	< 5	31	4	15	126	0.2	12	0.2		
575E 15+25W	201	< 5	17	2	14	65	0.2	6	0.1		
575E 15+50W	201	< 5	24	4	14	90	0.4	10	0.1		
575E 15+75W	201	< 5	28	4	11	94	0.2	11	0.1		
575E 16+00W	201	< 5	15	4	14	102	0.2	11	0.1		
575E 16+25W	201	< 30	44	4	96	208	0.3	14	0.1		
575E 16+50W	201	< 5	32	5	19	190	0.2	14	0.1		
575E 16+75W	201	< 5	24	4	18	56	0.2	19	0.1		
575E 17+00W	201	< 5	19	3	20	80	0.5	7	0.1		
575E 17+25W	201	< 5	93	2	10	62	0.2	7	0.1		
575E 17+50W	201	< 5	190	21	62	105	0.5	850	1.2		
575E 17+75W	201	< 5	60	6	19	100	1.3	17	0.1		
575E 18+00W	201	< 5	93	12	15	80	0.4	19	0.1		
575E 18+25W	201	< 30	228	45	34	74	0.8	120	1.4		
575E 18+50W	201	< 5	56	2	14	54	0.5	11	0.1		
575E 18+75W	201	< 5	73	24	15	63	0.4	20	0.1		
575E 19+00W	201	< 5	56	5	18	95	0.5	24	0.1		
575E 19+25W	201	< 5	48	4	23	113	0.7	14	0.1		
575E 19+50W	201	< 5	215	4	15	94	1.5	14	0.1		
575E 19+75W	201	< 5	60	4	21	75	0.5	12	0.1		

CERTIFICATION : Hart Bichler



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Project : BIM 88-01

Comments :

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CERTIFICATE OF ANALYSIS A8822272

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
575E 20+25W	201 ---	< 10	25		1	7	46	0.5	6		0.1
575E 20+50W	201 ---	< 5	41		5	16	96	0.5	9		0.1
575E 0+25E	201 ---	< 5	11		1	9	38	0.2	3		0.1
575E 0+50E	201 ---	< 5	24		5	14	130	0.1	11		0.2
575E 0+75E	201 ---	< 5	13		5	14	78	0.3	12		0.4
575E 1+00E	201 ---	< 5	12		4	13	65	0.1	10		0.2
575E 1+25E	201 ---	< 5	7		1	15	40	0.3	4		0.1
575E 1+50E	201 ---	< 5	27		5	10	98	0.4	9		0.1
575E 1+75E	201 ---	< 5	20		3	12	140	0.2	9		0.2
575E 2+00E	201 ---	< 5	7		1	8	30	0.3	3		0.1
575E 2+25E	201 ---	< 5	25		4	14	162	0.3	11		0.1
575E 2+50E	201 ---	< 5	29		5	13	100	0.2	16		0.2
575E 2+75E	201 ---	< 5	9		1	7	36	0.3	4		0.1
575E 3+00E	201 ---	< 5	22		2	15	48	0.4	6		0.1
575E 3+25E	201 ---	< 5	29		1	10	65	1.2	5		0.1
575E 3+50E	201 ---	< 5	18		2	9	60	0.1	5		0.1
575E 3+75E	201 ---	< 5	66		2	5	39	0.2	5		0.1
575E 4+00E	201 ---	< 5	31		4	18	44	1.3	6		0.1
575E 4+25E	201 ---	< 5	12		1	13	48	0.4	4		0.1
575E 4+50E	201 ---	< 5	12		1	38	38	2.3	6		0.1
575E 4+75E	201 ---	< 5	16		2	15	88	0.3	9		0.2
575E 5+00E	201 ---	< 5	38		1	40	71	0.6	6		0.1
575E 5+25E	201 ---	< 5	65		1	41	70	0.9	4		0.1
575E 5+50E	201 ---	< 5	54		2	30	46	0.1	5		0.1
575E 5+75E	201 ---	< 5	17		1	12	32	0.3	3		0.1
575E 6+00E	201 ---	< 5	21		4	13	70	0.2	9		0.1
575E 6+25E	201 ---	< 5	18		3	15	150	0.1	10		0.4
575E 6+50E	201 ---	< 5	13		3	7	46	0.1	9		0.2
575E 6+75E	201 ---	< 5	22		3	10	95	0.2	6		0.1
575E 7+00E	201 ---	< 5	7		1	15	22	0.2	4		0.1
575E 7+25E	201 ---	< 5	8		2	12	30	0.1	5		0.1
575E 7+50E	201 ---	< 5	14		5	14	103	0.1	9		0.1
575E 7+75E	201 ---	< 5	5		1	16	22	0.1	4		0.1
575E 8+00E	201 ---	< 5	7		1	9	22	0.1	3		0.1
575E 8+25E	201 ---	< 5	10		2	11	90	0.1	5		0.1
575E 8+50E	201 ---	< 5	10		1	12	25	0.1	3		0.1
575E 8+75E	201 ---	< 5	10		2	14	48	0.2	4		0.1
575E 9+00E	201 ---	< 5	10		4	14	72	0.1	10		0.2
575E 9+25E	201 ---	< 5	12		3	14	67	0.2	7		0.1
575E 9+50E	201 ---	< 5	15		3	9	89	0.2	7		0.1

CERTIFICATION :

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SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mb ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
575E 9+75E	201	---	< 5	18	4	15	90	0.1	12	0.1	
575E 10+00E	201	---	< 5	19	6	14	138	0.1	11	0.2	
575E 10+25E	201	---	< 5	15	8	17	108	0.1	12	0.2	
575E 10+50E	201	---	< 5	11	8	13	54	0.2	5	0.1	
575E 10+75E	201	---	< 5	11	10	12	90	0.1	9	0.1	
575E 11+00E	201	---	< 5	11	2	12	57	0.1	3	0.1	
575E 11+25E	217	---	< 5	38	3	15	39	0.3	7	0.1	
575E 11+50E	201	---	180	108	4	26	130	0.5	22	0.1	
575E 11+75E	217	---	< 5	28	1	8	70	0.1	4	0.1	
575E 12+00E	217	---	< 5	11	2	11	38	0.1	5	0.1	
770E 9+25W	201	---	< 5	13	1	10	126	0.1	32	0.1	
770E 9+50W	201	---	< 5	23	1	5	40	0.6	7	0.1	
770E 9+75W	201	---	< 5	18	2	9	80	0.2	17	0.1	
770E 10+00W	201	---	< 5	35	2	19	155	1.0	29	0.1	
770E 10+25W	201	---	< 5	78	2	41	265	1.8	12	0.1	
770E 10+50W	201	---	< 5	34	1	20	113	0.2	5	0.1	
770E 10+75W	217	---	< 5	20	1	12	42	0.1	4	0.1	
770E 11+00W	201	---	< 5	71	1	23	100	0.3	11	0.1	
770E 11+25W	217	---	< 5	11	1	10	52	0.2	3	0.1	
770E 11+50W	201	---	< 5	19	6	42	116	0.4	24	0.1	
770E 11+75W	201	---	< 5	35	3	15	36	2.0	7	0.1	
770E 12+00W	217	---	< 5	23	3	16	32	0.2	10	0.2	
770E 12+25W	201	---	< 5	20	6	20	76	0.9	10	0.1	
770E 12+50W	217	---	< 5	102	1	42	310	0.9	7	0.1	
770E 12+75W	201	---	15	107	3	51	68	1.2	5	0.1	
770E 13+00W	201	---	< 5	16	3	28	50	0.2	7	0.1	
770E 13+25W	217	---	< 5	7	2	11	14	0.4	3	0.1	
770E 13+50W	201	---	< 5	30	6	20	162	0.7	11	0.1	
770E 13+75W	201	---	< 5	38	1	15	42	0.6	7	0.1	
770E 14+00W	201	---	< 5	32	2	13	37	0.4	10	0.1	
770E 14+25W	201	---	< 5	29	3	24	81	0.8	10	0.1	
770E 14+50W	201	---	20	66	2	16	28	0.3	4	0.1	
770E 14+75W	217	---	15	60	2	10	62	1.0	7	0.1	
770E 15+00W	217	---	125	23	1	13	43	0.9	4	0.1	

CERTIFICATION : Hart Zichler



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QUITTING
406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BIM 88-01

Comments: ATTN: HENRY AWMAK

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Tot. Pages: 5
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Invoice # : I-8822812
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CERTIFICATE OF ANALYSIS A8822812

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
335W 0+00	201	--	< 5	77	2	2	190	0.3	10		0.2
335W 0+25N	201	--	< 5	53	2	1	77	0.4	9		0.4
335W 0+50N	201	--	25	56	3	50	110	0.5	16		1.0
335W 0+75N	201	--	< 5	60	1	8	165	0.4	29		0.8
335W 1+00N	201	--	< 5	74	1	2	85	0.6	39		1.8
335W 1+25N	201	--	< 5	60	2	4	215	0.4	39		0.8
335W 1+50N	201	--	15	75	2	14	195	0.5	45		2.4
335W 1+75N	201	--	< 5	17	2	110	1200	2.2	30		4.8
335W 2+00N	201	--	< 5	20	5	10	108	0.6	15		0.8
335W 2+25N	201	--	< 5	25	6	10	118	0.8	16		0.6
335W 2+50N	201	--	< 5	28	6	2	70	0.4	14		0.3
335W 2+75N	201	--	< 5	45	1	1	106	0.5	11		0.2
335W 3+00N	201	--	< 5	23	3	11	82	0.5	14		0.6
335W 3+25N	201	--	< 5	21	6	9	94	0.7	15		0.7
335W 3+50N	201	--	< 5	27	1	2	160	0.4	6		0.1
335W 3+75N	201	--	< 5	51	1	2	152	0.4	7		0.2
335W 4+00N	201	--	< 5	41	1	1	98	0.5	3		0.1
335W 4+25N	201	--	< 5	13	3	10	90	0.3	11		0.6
335W 4+50N	201	--	< 5	40	1	8	126	0.5	5		0.2
335W 4+75N	201	--	< 5	53	1	8	156	0.6	9		0.2
335W 0+25S	201	--	< 5	60	3	4	128	0.3	12		0.4
335W 0+50S	201	--	< 5	206	3	6	124	0.6	7		0.2
335W 0+75S	201	--	< 5	55	3	4	160	0.4	11		0.4
335W 1+00S	201	--	< 5	30	3	8	260	0.3	11		0.4
335W 1+25S	201	--	< 5	38	2	2	100	0.3	5		0.4
335W 1+50S	201	--	< 5	43	2	4	52	0.5	9		0.2
335W 1+75S	201	--	< 10	6	1	24	20	0.5	3		0.2
335W 2+00S	201	--	< 5	21	2	5	40	0.5	5		0.6
335W 2+25S	201	--	< 5	27	1	6	84	0.5	7		0.2
335W 2+50S	201	--	25	186	13	12	86	1.7	55		2.4
335W 2+75S	201	--	< 5	58	1	8	126	0.4	14		0.8
335W 3+00S	201	--	< 5	78	1	6	114	0.5	10		0.1
335W 3+25S	201	--	< 5	23	3	10	160	0.4	14		0.6
335W 3+50S	201	--	< 5	37	3	8	170	0.4	10		0.5
335W 3+75S	201	--	< 5	112	2	1	170	0.3	6		0.2
335W 4+00S	201	--	< 5	138	3	4	146	0.3	7		0.2
335W 4+25S	201	--	< 5	43	2	2	108	0.4	4		0.1
335W 4+50S	201	--	< 5	74	5	10	88	0.5	10		0.3
335W 4+75S	201	--	< 5	17	2	8	44	0.5	9		0.7
335W 5+00S	201	--	< 5	55	2	4	64	0.4	6		0.6

CERTIFICATION :

Hart Buchler



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Project : BIM 88-01

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SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
335W 5+25S	201	< 5	52		35	46	580	1.7	23		0.6
335W 5+50S	201	< 5	145		17	22	470	0.7	22		0.7
335W 5+75S	201	< 5	102		2	12	118	0.5	9		0.1
335W 6+00S	201	< 5	89		3	11	104	0.3	5		0.2
335W 6+25S	201	< 5	360		1	4	138	0.5	5		0.1
335W 6+50S	201	< 5	88		3	10	260	0.6	6		0.2
335W 6+75S	201	< 10	16		1	10	40	0.7	4		0.2
335W 7+00S	201	< 5	23		2	10	74	0.4	6		0.4
335W 7+25S	201	< 5	86		2	2	124	0.3	5		0.1
335W 7+50S	201	< 5	8		1	2	52	0.4	4		0.3
335W 7+75S	201	< 5	104		1	1	134	0.4	6		0.1
335W 8+00S	201	< 5	78		2	8	184	0.5	12		0.5
335W 8+25S	201	< 5	31		1	6	70	0.4	3		0.1
335W 8+50S	201	< 5	170		2	1	190	0.3	3		0.1
335W 8+75S	201	< 5	175		1	2	140	0.5	9		0.4
335W 9+00S	201	< 5	140		1	4	156	0.3	3		0.1
335W 9+25S	201	< 10	30		1	3	68	0.3	3		0.1
335W 9+50S	201	< 5	18		1	2	80	0.3	3		0.1
335W 9+75S	201	< 10	60		2	3	96	0.4	9		0.2
335W 10+00S	201	< 5	16		1	4	66	0.3	3		0.1
335W 10+25S	201	< 5	23		1	2	88	0.1	4		0.1
335W 10+50S	201	< 5	64		2	4	94	0.2	4		0.3
335W 10+75S	201	< 10	14		2	8	50	0.1	6		0.4
335W 11+00S	201	< 5	68		1	3	88	0.2	4		0.2
335W 11+25S	201	< 5	38		1	4	106	0.3	4		0.1
335W 11+50S	201	< 5	30		1	3	76	0.3	3		0.1
335W 11+75S	201	< 5	47		1	8	130	0.2	6		0.1
335W 12+00S	201	< 5	220		2	2	136	0.1	3		0.1
335W 12+25S	201	< 60	120		1	1	146	0.1	3		0.1
335W 12+50S	201	< 5	46		1	2	84	0.3	3		0.2
335W 12+75S	201	< 10	40		1	1	60	0.3	3		0.2
335W 13+00S	201	< 10	62		1	2	78	0.2	3		0.1
335W 13+25S	201	< 5	38		1	8	106	0.2	3		0.2
335W 13+50S	201	< 5	56		1	4	120	0.1	3		0.1
335W 13+75S	201	< 10	220		2	10	500	0.2	9		0.1
335W 14+00S	201	< 10	30		3	6	110	0.8	4	not / ss	
335W 14+25S	201	< 10	108		3	4	150	0.3	5	0.3	
335W 14+50S	201	< 20	61		1	2	78	0.3	3	0.1	
335W 14+75S	201	< 10	66		1	1	110	0.2	4	0.2	
335W 15+00S	201	< 5	72		1	1	100	0.1	3	0.1	

CERTIFICATION : Hart Bechler



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SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mb ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
335W 15+25S	201	--	< 125	305	1	2	250	0.2	3	0.2	
335W 15+50S	201	--	< 10	112	1	1	164	0.2	3	0.1	
335W 15+75S	201	--	< 10	17	5	10	86	0.6	9	0.4	
335W 16+00S	201	--	< 10	33	1	4	80	0.2	3	0.1	
335W 16+25S	201	--	< 10	70	3	3	148	0.4	4	0.2	
335W 16+50S	201	--	< 5	47	3	2	138	0.2	4	0.4	
335W 16+75S	201	--	10	72	2	2	150	0.3	4	0.2	
335W 17+00S	201	--	< 5	36	2	2	132	0.4	4	0.4	
335W 17+25S	201	--	< 5	8	1	4	40	0.3	4	0.4	
335W 17+50S	201	--	< 5	50	3	1	110	0.2	6	0.3	
370W 5+00N	201	--	< 10	156	3	12	300	0.3	10	0.1	
370W 5+25N	201	--	< 5	27	1	1	88	0.2	3	0.3	
370W 5+50N	201	--	< 10	27	2	2	110	0.3	3	0.1	
370W 5+75N	201	--	< 10	23	5	8	94	0.2	6	0.6	
370W 6+00N	201	--	< 5	28	7	12	140	0.4	11	0.7	
370W 6+25N	201	--	10	20	3	8	154	0.2	11	0.7	
370W 6+50N	201	--	< 5	55	2	2	98	0.3	5	0.4	
370W 6+75N	201	--	10	20	1	6	78	0.3	3	0.1	
370W 7+00N	201	--	< 5	18	5	14	76	0.4	7	0.8	
525W 0+00N	201	--	< 5	42	3	1	76	0.3	5	0.6	
525W 0+25N	201	--	< 5	54	3	4	108	0.3	6	0.4	
525W 0+50N	201	--	< 5	92	3	3	128	0.3	7	0.3	
525W 0+75N	201	--	< 10	44	1	8	42	0.2	3	0.1	
525W 1+00N	201	--	< 10	49	2	8	56	0.5	3	0.2	
525W 1+25N	201	--	< 5	52	1	1	80	0.1	3	0.1	
525W 1+50N	201	--	< 5	210	3	1	90	0.2	4	0.1	
525W 1+75N	201	--	< 5	158	1	4	68	0.3	3	0.1	
525W 2+00N	201	--	< 10	107	2	16	92	0.2	3	0.2	
525W 2+25N	201	--	< 10	80	1	4	60	0.4	3	0.1	
525W 2+50N	201	--	< 5	72	5	4	90	0.4	7	0.4	
525W 2+75N	201	--	< 5	41	2	2	58	0.3	3	0.1	
525W 3+00N	201	--	< 5	24	2	1	40	0.2	3	0.2	
525W 3+25N	201	--	< 5	20	2	6	30	7.7	4	0.4	
525W 3+50N	201	--	< 5	72	1	1	84	0.5	3	0.2	
525W 3+75N	201	--	< 5	72	3	2	184	0.4	5	0.4	
525W 4+00N	201	--	< 5	29	1	2	40	0.5	3	0.2	
525W 4+25N	201	--	< 5	54	2	2	64	0.4	6	0.2	
525W 4+50N	201	--	40	91	1	1	62	0.4	4	0.1	
525W 4+75N	201	--	< 5	158	4	8	104	0.3	15	0.3	
525W 5+00N	201	--	< 10	155	2	4	124	0.8	9	0.1	

CERTIFICATION : Hart Buchler

Sampler B.K.
Date August 12, 1988

Project BIM 88-01
Property TAN 1-4

NTS N4E/10W, NE
Location Ref Iskut River
Air Photo No _____

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au ppb	Ag ppb	Pb ppb	Cu ppb	Fe ppb	Zn ppb
245401	375 E 28+75 W	Grab o/c	~ 10 cm	f. gr s/s or siltst	CL + QZ	PY, LI Products	CL/QZ vein stringers + blobs of PY, exposed for 1.0m, $\pm 091^\circ/75^\circ N$	5	8.6	5	174	512	185
245402	575 E 3+75 E	Grab o/c	25 cm	coarse crystal. QZ Vein	QZ	Sporadic blobs of PY + LI Products	- in syenitic intrusive, close to # 245403, strike $025^\circ/62^\circ W$	<5	0.4	<5	9	6	25
245403	575 E 3+75 E	"	15 cm	QZ Vein	QZ	Mass PY + Mg + LI Products	- in syenitic intrusive, v. coarse crystalline, variable in width $\pm 163^\circ/17^\circ W$	15	0.4	<5	4	<2	9
245404	770 E 14+67 W	"	7 cm	ss. wacke	QZ	LI Products	- width very variable, var. only follows $2^\circ/1^\circ$	<5	0.2	10	97	<2	90
245405	770 E 14+70 W	"	~ 1m	ss. wacke	Siliceous > CL	Blobs of LI Products	sporadic blobs scattered throughout the stained zone	<5	0.2	<5	171	6	67
245406	335 W 0+25 N	"		conglom (?)	CL	Dissem. PY + PY stringers, LI Products	highly leached, bleached grey colour	<5	<0.2	5	33	66	84
245407	~ 335 W 0+50 N	"		conglom (?)	QZ	Dissem PY (15-20%)	~ 30m from pt. on $B2^\circ 359^\circ$ close to sinkholes	<5	<0.2	80	33	<2	76
245408	10m north of 245407	"		conglom (?)	QZ	Dissem PY + blobs, LI Products	QZ stringers present, o/c continues ~ 40m on $S8^\circ 15^\circ W$	<5	<0.2	75	36	8	74
245409	335 W 2+25 N	Flint		volcaniclastic ss or tuff	CL + QZ (?)	LI products (goethite)	close to source in situ flint, has small green chlorite blebs	<5	<0.2	<5	18	4	112
245410	~ 50m from 335 W, 0+00	"		agglom (?)	Siliceous	Dissem PY (3-4%)	- flint found on $S8^\circ$ or 208° from 335 W, 0+00	<5	<0.2	40	51	8	82
245411	335 W 2+100 S	"		agglom	Siliceous + CL	PY	- contains emerald green chlorite wisps + stringers + dissem PY	<5	<0.2	<5	10	12	53
245412	335 W 2+40 S	Grab o/c		"	CL + QZ	PY, LI Products	east of v. shallow prominent wisps and blebs of PY + goethite + jarosite	<5	<0.2	20	74	10	89
245413	335 W 10+20 S	"		Intrusive (?)	CL + QZ	Dissem PY (1-2%)	Mineralized area on $090^\circ/7^\circ S$ Mg decreases to a 10% towards east PY blebs very sporadic throughout	<5	<0.2	5	<1	<2	100



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EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
 VANCOUVER, BC
 V6B 1N2

A8821240

Comments:

CERTIFICATE A8821240

EQUITY ENGINEERING LTD.
 PROJECT : BIM 88-01
 P. O. # : NONE

Samples submitted to our lab in Vancouver, BC.
 This report was printed on 29-AUG-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
203	5	Dry, sieve -35 mesh and ring
238	5	ICP: Aqua regia digestion

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	5	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
921	5	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
922	5	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
923	5	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	5	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	5	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	5	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	5	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	5	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	5	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	5	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	5	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	5	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	5	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	5	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	5	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	5	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	5	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	5	Mn ppm: 32 element, soil & rock	ICP-AES	1	10000
938	5	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	5	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	5	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	5	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	5	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	5	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	5	Sc ppm: 32 elements, soil & rock	ICP-AES	1	100000
944	5	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	5	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	5	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	5	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	5	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	5	W ppm: 32 element, soil & rock	ICP-AES	5	10000
950	5	Zn ppm: 32 element, soil & rock	ICP-AES	5	10000



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SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			FA+AA	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%
BIM S1	203	238	350	2.27	0.4	< 5	120	1.5	8	0.49	0.5	8	37	13	3.91	10	< 1	0.18	30	0.69	1170
BIM S2	203	238	10	2.18	0.6	< 5	90	2.0	6	0.32	< 0.5	6	25	7	3.53	10	< 1	0.12	30	0.60	879
BIM S3	203	238	5	1.94	0.6	< 5	90	1.5	6	0.44	< 0.5	6	55	7	3.06	10	< 1	0.15	30	0.63	661
BIM S4	203	238	350	2.63	1.0	40	140	0.5	12	0.87	0.5	25	41	121	5.12	10	< 1	0.23	20	1.45	1105
BIM S5	203	238	80	1.99	0.4	15	110	1.0	6	0.68	1.0	12	89	21	3.77	10	< 1	0.19	30	0.68	1080

CERTIFICATION :

B. Coughlin



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CERTIFICATE OF ANALYSIS A8821240

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BIM S1	203	238	4	0.09	6	330	12	< 5	3	41	0.19	< 10	< 10	37	15	155
BIM S2	203	238	5	0.04	6	250	6	< 5	3	30	0.19	< 10	< 10	31	15	109
BIM S3	203	238	3	0.07	8	290	14	< 5	3	45	0.15	< 10	< 10	33	10	100
BIM S4	203	238	2	0.04	15	680	30	< 5	7	62	0.13	< 10	< 10	94	35	159
BIM S5	203	238	4	0.13	12	290	18	< 5	4	69	0.21	< 10	< 10	57	25	174

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CERTIFICATE OF ANALYSIS A8822274

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			FA+AA	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%
BIM 56	203	238	75	1.58	0.6	10	110	1.5	4	0.96	1.5	9	98	17	4.30	< 10	< 1	0.16	20	0.68	961
BIM 57	203	238	10	1.72	0.6	20	90	1.0	6	0.71	1.0	13	48	14	3.78	< 10	< 1	0.14	10	1.16	1085
BIM 58	203	238	5	1.65	0.2	10	140	1.0	4	0.60	1.0	10	89	15	3.29	< 10	< 1	0.22	10	0.75	1025
BIM 59	203	238	< 5	2.00	0.6	5	60	3.5	2	0.26	< 0.5	9	21	5	4.70	10	< 1	0.11	20	0.50	1330
S 10	203	238	< 5	1.72	0.6	15	90	4.0	< 2	0.28	< 0.5	5	14	8	3.72	10	< 1	0.10	30	0.32	940
S 11	203	238	< 5	1.93	0.6	5	130	3.5	4	0.43	1.0	10	14	18	3.87	10	< 1	0.10	30	0.59	966
S 12	203	238	< 5	1.58	0.6	10	90	2.0	4	0.39	2.0	6	23	12	2.86	10	< 1	0.13	30	0.49	665
S 13	203	238	135	1.75	0.2	20	300	0.5	6	0.62	1.0	18	44	71	4.18	< 10	< 1	0.19	10	1.19	931

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CERTIFICATE OF ANALYSIS A8822274

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BIM 56	203	238	6	0.07	9	420	4	< 5	4	62	0.25	< 10	< 10	62	10	360
BIM 57	203	238	1	0.09	8	510	6	< 5	5	48	0.23	< 10	< 10	53	< 5	159
BIM 58	203	238	4	0.11	6	380	6	< 5	4	67	0.15	< 10	< 10	57	< 5	246
BIM 59	203	238	4	0.08	6	490	4	< 5	2	21	0.30	< 10	< 10	37	< 5	152
S 10	203	238	5	0.07	6	360	6	< 5	2	20	0.25	< 10	< 10	25	< 5	147
S 11	203	238	4	0.05	7	470	8	< 5	3	25	0.21	< 10	< 10	39	< 5	161
S 12	203	238	3	0.07	6	300	6	< 5	2	27	0.18	< 10	< 10	25	< 5	268
S 13	203	238	4	0.03	9	710	26	< 5	5	35	0.07	< 10	< 10	65	< 5	127

CERTIFICATION : *B. Cagli*



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CERTIFICATE OF ANALYSIS A8822813

SAMPLE DESCRIPTION	PREP CODE		Au ppb	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
			FA+AA	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
BIM S-14	203	238	25	1.79	< 0.2	< 5	190	1.0	6	7.40	0.5	23	34	55	4.03	20	< 1	0.35	10	1.35	1010

CERTIFICATION : B. Coughlin



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CERTIFICATE OF ANALYSIS A8822813

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BIM S-14	203	238	< 1	0.05	13	980	< 2	10	7	71	0.15	< 10	< 10	112	10	108

CERTIFICATION : *P. Caplin*



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A8821241

Comments:

CERTIFICATE A8821241

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PROJECT : BIM 88-01
P.O.# : NONE

Samples submitted to our lab in Vancouver, BC.
This report was printed on 29-AUG-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	5	Rock Geochem: Crush,split,ring
238	5	ICP: Aqua regia digestion

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	5	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
921	5	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
922	5	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
923	5	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	5	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	5	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	5	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	5	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	5	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	5	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	5	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	5	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	5	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	5	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
951	5	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
934	5	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
935	5	La ppm: 32 element, soil & rock	ICP-AES	10	10000
936	5	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
937	5	Mn ppm: 32 element, soil & rock	ICP-AES	1	10000
938	5	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
939	5	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
940	5	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
941	5	P ppm: 32 element, soil & rock	ICP-AES	10	10000
942	5	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
943	5	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
958	5	Sc ppm: 32 elements, soil & rock	ICP-AES	1	100000
944	5	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
945	5	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
946	5	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
947	5	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	5	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	5	W ppm: 32 element, soil & rock	ICP-AES	5	10000
950	5	Zn ppm: 32 element, soil & rock	ICP-AES	5	10000



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CERTIFICATE OF ANALYSIS A8821241

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			FA+AA	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%
245401	205	238	5	2.05	8.6	5	40	< 0.5	34	0.26	< 0.5	7	14	194	8.64	10	< 1	0.24	< 10	1.50	869
245453	205	238	2800	0.98	4.0	5	10	< 0.5	32	0.42	< 0.5	236	33	1950	13.15	10	< 1	0.06	< 10	0.59	299
245454	205	238	35	0.41	0.4	15	40	< 0.5	4	0.05	< 0.5	2	106	73	8.07	< 10	< 1	0.10	< 10	0.07	459
245455	205	238	< 5	0.44	0.4	< 5	10	< 0.5	< 2	0.37	< 0.5	< 1	62	51	>15.00	10	< 1	0.04	< 10	0.05	7800
245456	205	238	90	1.12	2.4	150	10	< 0.5	< 2	0.47	< 0.5	7	68	278	5.66	10	< 1	0.04	< 10	0.42	1775

CERTIFICATION : B. Coughlin



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212 BROOKSBANK AVE., NORTH VANCOUVER,
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406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BIM 88-01
Comments :

Page # :
Total Pages: 1
Date : 29-AUG-88
Invoice # : I-8821241
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8821241

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
245401	205	238	4	0.02	6	880	512	< 5	5	21	0.27	< 10	< 10	90	5	185
245453	205	238	7	0.02	36	350	14	5	4	12	0.06	< 10	10	52	10	70
245454	205	238	2	0.01	15	170	26	< 5	2	2	0.03	10	10	31	< 5	98
245455	205	238	18	0.01	33	1000	8	< 5	1	12	0.05	20	30	91	20	30
245456	205	238	74	< 0.01	56	340	40	< 5	2	68	0.06	10	10	43	5	83

CERTIFICATION : *B. Coughlin*



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406 - 675 W. HASTINGS ST.
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V6B 1N2

Project : BIM 88-01
Comments:

P... o.
Tot. Pages: 1
Date : 8-SEP-88
Invoice # : I-8822275
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8822275

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
245402	205 238	< 5	0.72	0.4	< 5	10	< 0.5	2	0.45	< 0.5	8	104	9	1.98	< 10	< 1	0.02	< 10	0.49	318
245403	205 238	15	0.16	0.4	< 5	< 10	1.0	< 2	0.08	< 0.5	9	140	4	4.77	< 10	< 1	< 0.01	< 10	0.02	50
245404	205 238	< 5	1.74	0.2	10	10	2.0	4	1.17	< 0.5	17	54	97	7.49	20	< 1	0.05	10	0.78	948
245405	205 238	< 5	1.87	0.2	< 5	30	0.5	2	0.73	< 0.5	23	36	171	4.13	20	1	0.15	10	1.30	731
245457	205 238	< 5	3.14	0.2	15	110	1.5	2	0.70	< 0.5	40	83	8	7.44	20	< 1	0.16	10	2.45	1635

CERTIFICATION : B. Coughlin



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VANCOUVER, BC
V6B 1N2

Project : BIM 88-01

Comments:

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Tot. Pages: 1
Date : 8-SEP-88
Invoice # : I-8822275
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8822275

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
245402	205 238	1	0.02	2	540	6	< 5	1	55	0.07	< 10	< 10	40	< 5	25
245403	205 238	1	0.01	3	200	< 2	< 5	< 1	9	0.01	< 10	< 10	23	< 5	9
245404	205 238	< 1	0.03	1	2430	< 2	5	4	250	0.17	< 10	< 10	60	< 5	90
245405	205 238	< 1	0.13	7	950	6	< 5	6	61	0.26	< 10	< 10	100	< 5	67
245457	205 238	2	0.04	18	1480	< 2	< 5	12	23	0.24	< 10	< 10	136	< 5	239

CERTIFICATION : B. Coughlin



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VANCOUVER, BC
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Project : BIM 88-01

Comments: ATTN: HENRY AWMAK

Total Pages: 1
Date : 14-SEP-88
Invoice # : I-8822814
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8822814

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
245406	205 238	< 5	2.09	< 0.2	5	30	0.5	6	1.16	0.5	24	35	33	5.23	< 10	< 1	0.08	20	1.58	765
245407	205 238	< 5	1.78	< 0.2	80	70	1.0	4	0.62	1.0	24	11	33	6.50	< 10	< 1	0.25	10	0.99	377
245408	205 238	< 5	1.55	< 0.2	75	50	1.0	< 2	2.33	1.5	25	11	36	6.29	10	< 1	0.19	30	1.04	523
245409	205 238	< 5	2.75	< 0.2	< 5	50	1.5	< 2	0.46	0.5	44	7	18	7.60	< 10	< 1	0.20	10	2.23	1245
245410	205 238	< 5	2.60	< 0.2	40	50	1.0	2	1.58	0.5	25	14	51	7.39	< 10	3	0.17	30	0.46	329
245411	205 238	< 5	1.56	< 0.2	< 5	80	1.0	< 2	0.58	0.5	10	29	10	3.88	< 10	< 1	0.21	10	1.03	444
245412	205 238	< 5	2.12	< 0.2	20	40	1.5	2	0.44	0.5	22	20	74	10.25	< 10	< 1	0.10	10	1.36	708
245413	205 238	< 5	1.37	< 0.2	5	110	0.5	< 2	3.41	< 0.5	< 1	28	< 1	2.67	10	< 1	0.38	40	0.79	1170
245458	205 238	15	1.31	< 0.2	< 5	150	0.5	8	0.69	0.5	21	55	38	5.38	< 10	< 1	0.69	10	0.64	358
245459	205 238	5	1.00	< 0.2	< 5	20	1.5	2	0.75	1.0	23	27	29	11.60	< 10	1	0.20	10	0.47	213
245460	205 238	< 5	0.08	0.2	< 5	200	< 0.5	< 2	0.03	< 0.5	< 1	171	17	0.47	< 10	< 1	0.02	< 10	0.06	146

CERTIFICATION :

B. Coughlin



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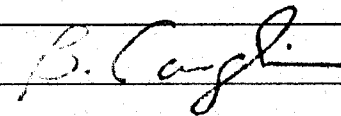
Project : BIM 88-01

Comments: ATTN: HENRY AWMAK

Total Pages: 1
Date : 14-SEP-88
Invoice # : I-8822814
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8822814

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
245406	205	238	< 1	0.06	3	1060	66	5	5	62	0.35	< 10	< 10	96	10	84
245407	205	238	< 1	0.13	< 1	1130	< 2	< 5	3	57	0.31	< 10	< 10	49	5	76
245408	205	238	9	0.11	7	1270	8	< 5	3	52	0.22	< 10	< 10	47	10	74
245409	205	238	< 1	0.04	< 1	940	4	< 5	6	16	0.33	< 10	< 10	98	5	112
245410	205	238	< 1	0.24	< 1	1300	8	< 5	4	128	0.32	< 10	< 10	51	10	82
245411	205	238	1	0.09	1	770	12	< 5	6	79	0.34	< 10	< 10	91	5	53
245412	205	238	10	0.03	6	1440	10	< 5	7	45	0.44	< 10	< 10	138	10	89
245413	205	238	< 1	0.03	< 1	1150	< 2	10	2	121	0.02	< 10	< 10	24	< 5	100
245458	205	238	< 1	0.09	10	1190	< 2	< 5	4	46	0.26	< 10	< 10	102	< 5	68
245459	205	238	16	0.05	11	690	2	5	4	80	0.38	< 10	< 10	91	< 5	52
245460	205	238	< 1	0.01	1	50	< 2	< 5	< 1	4	< 0.01	< 10	< 10	6	< 5	5

CERTIFICATION : 



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

PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.

VANCOUVER, BC

V6B 1N2

A8821242

Comments:

CERTIFICATE A8821242

EQUITY ENGINEERING LTD.

PROJECT : BIM 88-01

P.O.# : NONE

Samples submitted to our lab in Vancouver, BC.

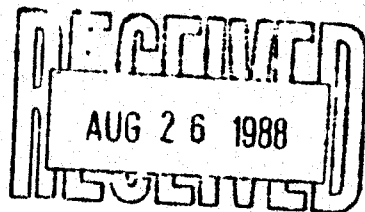
This report was printed on 25-AUG-88.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	246	Dry, sieve -80 mesh; soil, sed.
217	1	Geochem: Ring only, no crush/split

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.



ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	246	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2	247	Cu ppm: HNO3-aqua regia digest	AAS	1	10000
3	247	Mo ppm: HNO3-aqua regia digest	AAS	1	10000
4	247	Pb ppm: HNO3-aqua regia digest	AAS-BKGD CORR	1	10000
5	247	Zn ppm: HNO3-aqua regia digest	AAS	5	10000
6	247	Ag ppm: HNO3-aqua regia digest	AAS-BKGD CORR	0.2	200
13	247	As ppm: HNO3-aqua regia digest	AAS-HYDRIDE/EDL	1	10000
22	246	Sb ppm: HCl-KClO3 digest, extrac	AAS-BKGD CORR	0.2	1000



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To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: BIM 88-01

Comments:

Page No.: 1

Tot. Pages: 7

Date: 25-AUG-88

Invoice #: I-8821242

P.O. #: NONE

CERTIFICATE OF ANALYSIS A8821242

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
3+75E 00+25E	201 ---	< 5	16		8	13	0.1	7	0.6		
3+75E 00+50E	201 ---	< 5	15		8	14	0.2	9	0.2		
3+75E 00+75E	201 ---	< 5	19		5	13	0.1	11	0.2		
3+75E 01+00E	201 ---	< 20	6		1	9	0.1	4	0.1		
3+75E 01+25E	201 ---	< 5	30		4	11	0.1	9	0.2		
3+75E 01+50E	201 ---	< 5	7		4	7	0.1	5	0.2		
3+75E 01+75E	201 ---	< 5	18		4	10	0.3	7	0.1		
3+75E 02+00E	201 ---	< 5	10		6	14	0.3	9	0.3		
3+75E 02+25E	201 ---	< 5	15		5	12	0.1	9	0.1		
3+75E 02+50E	201 ---	< 5	18		6	12	0.1	10	0.2		
3+75E 02+75E	201 ---	< 10	13		3	9	0.1	3	0.1		
3+75E 03+00E	201 ---	< 5	17		5	18	0.2	4	0.1		
3+75E 03+25E	201 ---	< 5	21		4	12	0.1	10	0.1		
3+75E 03+50E	201 ---	< 5	17		6	12	0.1	9	0.2		
3+75E 03+75E	201 ---	< 5	11		8	8	0.1	5	0.6		
3+75E 04+00E	201 ---	< 5	20		6	14	0.1	6	0.4		
3+75E 04+25E	201 ---	< 5	12		4	14	0.1	7	0.2		
3+75E 04+50E	201 ---	< 5	54		4	14	0.2	5	0.2		
3+75E 04+75E	201 ---	< 5	19		4	13	0.2	7	0.2		
3+75E 05+00E	201 ---	< 5	12		3	16	0.3	5	0.1		
3+75E 05+25E	201 ---	< 5	16		3	16	0.1	5	0.2		
3+75E 05+50E	201 ---	< 5	86		4	13	0.1	12	0.2		
3+75E 05+75E	201 ---	< 5	21		3	12	0.3	6	0.1		
3+75E 06+00E	201 ---	< 5	19		5	12	0.3	7	0.1		
3+75E 06+25E	201 ---	< 5	12		6	12	0.1	9	0.2		
3+75E 06+50E	201 ---	< 5	12		5	15	0.1	7	0.2		
3+75E 06+75E	201 ---	< 5	13		3	12	0.2	7	0.2		
3+75E 07+00E	201 ---	< 5	15		5	14	0.1	10	0.4		
3+75E 07+25E	201 ---	< 5	14		5	19	0.1	10	0.2		
3+75E 07+50E	201 ---	< 5	34		3	23	0.1	12	0.2		
3+75E 07+75E	201 ---	< 5	33		2	11	0.2	7	0.3		
3+75E 08+00E	201 ---	< 5	10		3	12	0.1	9	0.3		
3+75E 08+25E	201 ---	< 5	96		3	24	0.1	9	0.2		
3+75E 08+50E	201 ---	< 5	47		5	9	0.1	11	0.2		
3+75E 08+75E	201 ---	< 5	21		4	14	0.1	7	0.2		
3+75E 09+00E	201 ---	< 5	12		2	7	0.1	6	0.3		
3+75E 09+25E	201 ---	< 5	18		5	6	0.1	6	0.2		
3+75E 09+50E	201 ---	< 5	18		1	6	0.1	5	0.1		
3+75E 09+75E	201 ---	< 5	13		6	8	0.1	9	0.1		
3+75E 10+00E	201 ---	< 5	6		10	9	0.1	5	0.1		

CERTIFICATION :

Frank Buchler



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PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: BIM 88-01

Comments:

Page No.: 2
Tot. Pages: 7

Date: 25-AUG-88

Invoice #: I-8821242

P.O. #: NONE

CERTIFICATE OF ANALYSIS A8821242

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mb ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
3+7SE 10+2SE	201 ---	< 5	11	11	11	150	0.1	5	0.1		
3+7SE 10+50E	201 ---	< 5	15	3	13	142	0.1	10	0.1		
3+7SE 10+7SE	201 ---	10	17	5	12	183	0.1	12	0.1		
3+7SE 11+00E	201 ---	< 5	5	1	9	47	0.1	5	0.1		
3+7SE 11+2SE	201 ---	< 5	12	3	9	142	0.1	7	0.2		
3+7SE 11+50E	201 ---	< 5	7	2	7	91	0.1	5	0.1		
3+7SE 11+7SE	201 ---	< 5	7	1	16	58	0.1	5	0.1		
3+7SE 12+00E	201 ---	5	13	2	14	153	0.1	10	0.1		
3+7SE 12+2SE	201 ---	5	10	3	9	110	0.1	10	0.1		
3+7SE 12+50E	201 ---	< 5	22	3	8	263	0.1	9	0.2		
3+7SE 12+7SE	201 ---	5	17	1	13	148	0.1	5	0.1		
3+7SE 13+00E	201 ---	5	22	3	16	177	0.1	4	0.1		
3+7SE 13+2SE	201 ---	10	25	6	14	104	0.1	6	0.4		
3+7SE 13+50E	201 ---	< 5	13	4	13	120	0.1	9	0.1		
3+7SE 13+7SE	201 ---	< 5	31	3	20	147	0.1	7	0.1		
3+7SE 14+00E	201 ---	< 5	21	7	13	136	0.1	5	0.1		
3+7SE 00+00W	201 ---	< 5	11	4	14	94	0.1	10	0.4		
3+7SE 00+2SW	201 ---	< 5	12	5	12	133	0.1	11	0.4		
3+7SE 00+50W	201 ---	< 5	15	5	12	107	0.1	15	0.4		
3+7SE 00+7SW	201 ---	15	12	5	10	121	0.1	11	0.3		
3+7SE 01+00W	201 ---	< 5	9	5	12	69	0.1	7	0.4		
3+7SE 01+2SW	201 ---	< 5	24	5	40	233	0.1	14	0.4		
3+7SE 01+50W	201 ---	< 5	14	1	9	186	0.1	7	0.1		
3+7SE 01+7SW	201 ---	< 5	37	2	9	64	0.4	4	0.1		
3+7SE 02+00W	201 ---	< 5	16	5	13	170	0.2	7	0.1		
3+7SE 02+2SW	201 ---	< 5	40	2	18	449	0.1	6	0.1		
3+7SE 02+50W	201 ---	< 5	18	5	14	195	0.2	240	0.8		
3+7SE 02+7SW	201 ---	< 5	29	8	24	490	0.1	200	1.0		
3+7SE 03+00W	201 ---	< 5	40	5	12	171	0.1	24	0.4		
3+7SE 03+2SW	201 ---	< 5	118	1	2	146	0.1	12	0.2		
3+7SE 03+50W	201 ---	< 5	38	4	24	249	0.5	9	0.2		
3+7SE 03+7SW	201 ---	< 5	26	1	12	174	0.1	6	0.1		
3+7SE 04+00W	201 ---	< 5	20	2	11	127	0.1	9	0.1		
3+7SE 04+2SW	201 ---	< 5	38	1	43	302	1.0	6	0.2		
3+7SE 04+50W	201 ---	5	29	2	30	187	0.4	5	0.4		
3+7SE 04+7SW	201 ---	< 5	171	1	21	161	0.5	6	1.2		
3+7SE 05+00W	201 ---	< 20	45	2	20	224	0.1	9	0.4		
3+7SE 05+2SW	217 ---	< 5	44	1	26	86	0.1	5	0.1		
3+7SE 05+50W	201 ---	10	283	2	1180	820	1.4	6	2.0		
3+7SE 05+7SW	201 ---	5	44	1	44	226	0.4	3	0.2		

CERTIFICATION: Hart Bichler



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To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
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Project: BIM 88-01

Comments:

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Tot. Pages: 7
Date: 25-AUG-88
Invoice #: I-8821242
P.O. #: NONE

CERTIFICATE OF ANALYSIS A8821242

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mb ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
3+75E 06+00W	201	---	10	155	1	30	297	0.9	5	0.2	
3+75E 06+25W	201	---	< 5	22	5	18	227	0.5	10	0.1	
3+75E 06+50W	201	---	< 5	16	4	13	268	0.3	10	0.2	
3+75E 06+75W	201	---	< 5	15	4	20	175	0.2	9	0.2	
3+75E 07+00W	201	---	< 5	44	1	18	207	0.3	9	0.4	
3+75E 07+25W	201	---	< 5	32	2	11	109	0.2	10	0.6	
3+75E 07+50W	201	---	< 5	26	2	8	186	0.1	9	0.3	
3+75E 07+75W	201	---	10	24	1	9	163	0.1	11	0.3	
3+75E 08+00W	201	---	< 5	37	2	6	194	0.1	14	0.2	
3+75E 08+25W	201	---	< 5	12	1	9	88	0.1	6	0.2	
3+75E 08+50W	201	---	< 15	7	1	8	32	0.1	4	0.1	
3+75E 08+75W	201	---	< 5	45	1	6	145	0.1	6	0.1	
3+75E 09+00W	201	---	5	16	3	10	167	0.1	7	0.2	
3+75E 09+25W	201	---	< 10	54	1	7	55	0.1	6	0.2	
3+75E 09+50W	201	---	30	79	5	32	132	0.5	53	0.4	
3+75E 09+75W	201	---	< 10	32	5	10	155	0.1	14	0.4	
3+75E 10+00W	201	---	5	8	3	13	139	0.1	6	0.1	
3+75E 10+25W	201	---	60	16	1	13	89	0.1	5	0.2	
3+75E 10+50W	201	---	< 5	13	1	10	138	0.1	6	0.2	
3+75E 10+75W	201	---	< 5	35	1	10	125	0.1	11	0.1	
3+75E 11+00W	201	---	< 5	15	1	9	117	0.1	7	0.2	
3+75E 11+25W	201	---	< 5	52	3	32	228	0.3	5	0.2	
3+75E 11+50W	201	---	10	16	1	8	127	0.1	4	0.1	
3+75E 11+75W	201	---	10	6	1	9	64	0.1	3	0.2	
3+75E 12+00W	201	---	5	10	1	14	66	0.2	3	0.2	
3+75E 12+25W	201	---	< 5	24	2	13	165	0.1	5	0.2	
3+75E 12+50W	201	---	< 5	10	2	9	158	0.1	7	0.2	
3+75E 12+75W	201	---	10	7	1	17	217	0.1	4	0.1	
3+75E 13+00W	201	---	5	29	1	500	348	0.8	5	0.1	
3+75E 13+25W	201	---	5	16	3	18	173	0.1	39	0.2	
3+75E 13+50W	201	---	5	7	1	17	109	0.1	22	0.2	
3+75E 13+75W	201	---	10	9	2	17	146	0.1	6	0.2	
3+75E 14+00W	201	---	< 5	13	6	14	225	0.6	10	0.2	
3+75E 14+25W	201	---	< 15	28	12	26	285	0.1	32	1.0	
3+75E 14+50W	201	---	< 5	6	1	33	298	0.1	16	0.2	
3+75E 14+75W	201	---	< 5	13	1	9	303	0.1	15	0.1	
3+75E 15+00W	201	---	< 5	7	1	8	200	0.1	5	0.1	
3+75E 15+25W	201	---	< 5	18	5	24	167	0.1	22	0.1	
3+75E 15+50W	201	---	< 10	2	1	3	24	0.1	3	0.1	
3+75E 15+75W	201	---	< 10	11	1	2	63	0.1	2	0.1	

CERTIFICATION: Hart Bickler



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

PHONE (604) 984-0221

To: EQUITY ENGINEERING LTD.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: BIM 88-01

Comments:

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Tot. Pages: 7
Date : 25-AUG-88
Invoice #: I-8821242
P.O. #: NONE

CERTIFICATE OF ANALYSIS A8821242

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
3+75E 16+00W	201 ---	< 10	30		1	3	18	0.1	3	0.1	
3+75E 16+25W	201 ---	< 5	83		1	7	70	0.6	10	0.1	
3+75E 16+50W	201 ---	< 5	21		4	14	96	0.1	9	0.2	
3+75E 16+75W	201 ---	< 5	40		6	12	119	0.1	22	0.2	
3+75E 17+00W	201 ---	55	63		14	2	95	0.1	9	0.1	
3+75E 17+25W	201 ---	< 10	104		3	13	342	0.6	150	0.2	
3+75E 17+50W	201 ---	20	8		1	9	22	0.1	3	0.1	
3+75E 17+75W	201 ---	< 5	26		3	9	94	0.1	9	0.2	
3+75E 18+00W	201 ---	< 5	20		1	8	59	0.2	3	0.1	
3+75E 18+25W	201 ---	< 5	11		5	13	66	0.5	39	0.1	
3+75E 18+50W	201 ---	< 5	27		3	10	135	0.4	10	0.1	
3+75E 18+75W	201 ---	5	24		1	12	37	0.1	3	0.1	
3+75E 19+00W	201 ---	< 5	30		4	13	78	0.3	14	0.4	
3+75E 19+25W	201 ---	240	14		1	10	36	0.1	3	0.1	
3+75E 19+50W	201 ---	< 5	112		10	11	261	0.1	23	0.8	
3+75E 19+75W	201 ---	< 5	8		1	1	15	0.1	4	0.2	
3+75E 20+00W	201 ---	not / ss	12		1	3	39	0.1	3	0.2	
3+75E 20+25W	201 ---	< 5	14		1	13	46	0.1	3	0.1	
3+75E 20+50W	201 ---	< 5	39		3	11	106	0.1	15	0.1	
3+75E 21+25W	201 ---	< 5	15		1	9	47	0.6	3	0.2	
3+75E 21+50W	201 ---	< 5	54		1	8	15	0.3	2	0.1	
3+75E 21+75W	201 ---	< 5	23		6	12	124	0.4	6	0.1	
3+75E 22+00W	201 ---	< 5	39		8	15	184	0.4	14	0.2	
3+75E 22+25W	201 ---	< 5	33		9	12	239	0.2	15	0.2	
3+75E 22+50W	201 ---	< 5	42		5	10	160	0.1	7	0.2	
3+75E 22+75W	201 ---	< 5	40		4	13	106	0.2	7	0.2	
3+75E 23+00W	201 ---	< 5	31		4	4	57	0.1	9	0.4	
3+75E 23+25W	201 ---	< 5	24		4	10	69	0.6	6	0.1	
3+75E 23+50W	201 ---	< 5	54		5	8	242	0.1	15	not / ss	
3+75E 23+75W	201 ---	< 5	20		3	9	99	0.1	7	0.4	
3+75E 24+00W	201 ---	< 5	8		1	6	28	0.1	3	0.1	
3+75E 24+25W	201 ---	< 5	5		1	7	10	0.1	2	0.1	
3+75E 24+50W	201 ---	105	22		8	22	56	0.8	4	0.1	
3+75E 24+75W	201 ---	< 5	59		12	18	196	0.4	7	0.4	
3+75E 25+00W	201 ---	< 5	18		8	15	159	0.9	9	0.2	
3+75E 25+25W	201 ---	< 5	15		6	14	94	0.3	7	0.2	
3+75E 25+50W	201 ---	< 5	11		10	19	172	0.3	9	0.2	
3+75E 25+75W	201 ---	< 5	17		34	14	117	0.3	7	0.1	
3+75E 26+00W	201 ---	< 5	14		4	8	116	0.4	3	0.1	
3+75E 26+25W	201 ---	< 5	32		19	21	100	0.5	14	0.2	

CERTIFICATION :

Hart Bichler



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.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BIM 88-01

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P.O. # : NONE

CERTIFICATE OF ANALYSIS A8821242

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
3+75E 26+50W	201 ---	10	21	12	17	161	0.3	12	0.2		
3+75E 26+75W	201 ---	15	7	16	8	31	0.7	3	0.1		
3+75E 27+00W	201 ---	< 5	53	110	4	105	0.5	5	0.1		
3+75E 27+25W	201 ---	5	78	23	4	66	0.3	4	0.1		
3+75E 27+50W	201 ---	< 10	9	1	1	20	0.1	6	0.1		
3+75E 27+75W	201 ---	< 10	24	5	5	38	0.3	3	0.1		
3+75E 28+00W	201 ---	< 5	43	3	8	79	0.4	15	0.2		
3+75E 28+25W	201 ---	< 5	21	7	18	230	0.2	9	0.4		
3+75E 28+50W	201 ---	30	59	12	25	110	0.3	7	0.2		
3+75E 28+75W	201 ---	< 5	101	4	152	328	1.6	4	0.2		
3+75E 29+00W	201 ---	< 10	18	2	10	36	0.2	2	0.1		
7+70E 00+00E	201 ---	< 5	29	4	13	107	0.1	7	0.2		
7+70E 00+25E	201 ---	< 5	39	3	14	56	0.4	4	0.1		
7+70E 00+50E	201 ---	< 5	16	4	12	66	0.1	3	0.1		
7+70E 00+75E	201 ---	< 5	23	4	15	75	0.1	5	0.1		
7+70E 01+00E	201 ---	< 5	13	1	13	41	0.2	3	0.1		
7+70E 01+25E	201 ---	< 5	11	4	10	40	0.1	3	0.2		
7+70E 01+50E	201 ---	< 5	14	5	10	46	0.3	15	0.1		
7+70E 01+75E	201 ---	< 5	30	6	12	94	0.1	7	0.4		
7+70E 02+00E	201 ---	< 5	32	3	12	82	0.2	4	0.1		
7+70E 02+25E	201 ---	< 5	22	2	8	63	0.1	3	0.1		
7+70E 02+50E	201 ---	< 5	20	3	10	87	0.1	5	0.1		
7+70E 02+75E	201 ---	< 5	31	5	11	61	0.3	6	0.1		
7+70E 03+00E	201 ---	< 5	85	6	16	69	0.8	5	0.1		
7+70E 03+25E	201 ---	< 5	28	8	12	53	0.5	7	0.1		
7+70E 03+50E	201 ---	< 5	17	5	18	91	0.1	6	0.1		
7+70E 03+75E	201 ---	< 5	23	4	11	62	0.5	9	0.1		
7+70E 04+00E	201 ---	< 5	45	1	12	61	0.7	17	0.1		
7+70E 04+25E	201 ---	< 5	92	5	55	133	1.1	280	1.0		
7+70E 04+50E	201 ---	< 5	132	5	15	58	1.0	29	0.2		
7+70E 04+75E	201 ---	< 5	32	1	12	74	0.5	3	0.1		
7+70E 05+00E	201 ---	< 5	16	4	11	88	0.2	6	0.1		
7+70E 05+25E	201 ---	< 10	14	4	11	60	0.2	5	0.1		
7+70E 05+50E	201 ---	< 5	15	3	14	39	0.3	3	0.1		
7+70E 05+75E	201 ---	< 5	12	5	17	51	0.1	9	0.1		
7+70E 06+00E	201 ---	< 5	19	5	17	55	0.8	3	0.1		
7+70E 06+25E	201 ---	< 5	33	6	17	59	0.5	7	0.1		
7+70E 06+50E	201 ---	< 5	35	4	14	179	0.5	7	0.1		
7+70E 06+75E	201 ---	< 5	41	4	12	79	0.6	3	0.1		
7+70E 07+00E	201 ---	< 5	12	6	14	67	0.1	7	0.2		

CERTIFICATION : *Hart Buchler*



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.

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project: BIM 88-01

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Date: 25-AUG-88

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P.O. #: NONE

CERTIFICATE OF ANALYSIS A8821242

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
7+70E 7+25E	201 ---	< 5	12	4	12	86	0.1	4	0.1		
7+70E 7+50E	201 ---	< 5	11	2	11	53	0.2	3	0.2		
7+70E 7+75E	201 ---	< 5	13	5	16	38	0.6	7	0.1		
7+70E 8+00E	201 ---	< 20	56	16	11	77	0.2	3	0.1		
7+70E 8+25E	201 ---	105	69	2	16	64	0.7	3	0.1		
7+70E 8+50E	201 ---	< 5	20	2	11	36	0.3	3	0.1		
7+70E 8+75E	201 ---	< 5	39	3	9	72	0.3	4	0.1		
7+70E 9+00E	201 ---	< 10	34	2	5	89	0.2	3	0.1		
7+70E 9+25E	201 ---	< 10	33	2	11	38	0.5	3	0.1		
7+70E 10+00E	201 ---	20	30	3	9	48	0.3	5	0.1		
7+70E 10+25E	201 ---	< 60	98	8	16	33	1.0	6	0.1		
7+70E 0+25W	201 ---	< 5	11	7	19	52	0.3	10	0.1		
7+70E 0+50W	201 ---	< 5	15	8	14	106	0.2	6	0.2		
7+70E 0+75W	201 ---	< 5	14	4	12	45	0.3	5	0.1		
7+70E 1+00W	201 ---	< 5	15	5	12	62	0.2	6	0.1		
7+70E 1+25W	201 ---	< 5	14	6	14	52	0.4	4	0.1		
7+70E 1+50W	201 ---	< 5	41	4	9	64	0.2	6	0.1		
7+70E 1+75W	201 ---	< 5	18	8	14	68	0.2	5	0.1		
7+70E 2+00W	201 ---	< 5	35	5	14	89	0.1	4	0.1		
7+70E 2+25W	201 ---	< 5	13	3	7	49	0.2	5	0.1		
7+70E 2+50W	201 ---	105	13	4	12	48	0.3	4	0.1		
7+70E 2+75W	201 ---	< 5	20	7	19	78	0.1	10	0.1		
7+70E 3+00W	201 ---	< 5	20	3	12	70	0.2	10	0.1		
7+70E 3+25W	201 ---	< 5	17	4	16	77	0.3	10	0.1		
7+70E 3+50W	201 ---	< 5	13	5	18	59	0.2	17	0.8		
7+70E 3+75W	201 ---	< 5	18	2	9	40	0.1	6	0.1		
7+70E 4+00W	201 ---	< 5	35	2	14	47	0.2	5	0.1		
7+70E 4+25W	201 ---	< 5	20	6	15	53	0.1	9	0.1		
7+70E 4+50W	201 ---	< 5	22	5	14	122	0.1	7	0.2		
7+70E 4+75W	201 ---	15	24	5	10	89	0.4	11	0.1		
7+70E 5+00W	201 ---	< 5	23	5	11	84	0.2	11	0.1		
7+70E 5+25W	201 ---	< 5	22	6	19	51	0.5	10	0.1		
7+70E 5+50W	201 ---	< 5	17	4	10	61	0.2	6	0.1		
7+70E 5+75W	201 ---	< 5	28	2	6	74	0.1	5	0.1		
7+70E 6+00W	201 ---	< 5	13	7	21	81	0.2	14	0.1		
7+70E 6+25W	201 ---	< 5	22	5	16	57	0.2	10	0.1		
7+70E 6+50W	201 ---	< 5	21	4	12	56	0.2	10	0.1		
7+70E 6+75W	201 ---	< 10	14	1	3	30	0.1	3	0.1		
7+70E 7+00W	201 ---	< 5	17	3	13	110	0.1	9	0.1		
7+70E 7+25W	201 ---	< 5	29	1	12	120	0.2	15	0.1		

CERTIFICATION: Hart Buchler



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To: EQUITY ENGINEERING LTD.

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Project : BIM 88-01

Comments:

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Tot. Pages: 7

Date : 25-AUG-88

Invoice # : I-8821242

P.O. # : NONE

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SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mb ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
7+70E 7+50W	201 --	< 5	41	1	20	299	0.2	10	0.1		
7+70E 7+75W	201 --	< 5	28	8	23	112	0.6	15	0.1		
7+70E 8+00W	201 --	< 5	23	3	15	86	0.7	15	0.1		
7+70E 8+25W	201 --	< 5	19	2	13	108	0.3	9	0.1		
7+70E 8+50W	201 --	< 5	39	1	11	243	0.2	29	0.1		
7+70E 8+75W	201 --	< 5	20	1	9	98	0.1	7	0.1		
7+70E 9+00W	201 --	70	28	2	7	107	0.1	6	0.1		

CERTIFICATION : Hart Bichler



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406 - 675 W. HASTINGS ST.
 VANCOUVER, BC
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Project : BIM 88-01
 Comments :

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 Tot. Pages: 4
 Date : 10-SEP-88
 Invoice # : I-8822272
 P.O. # : NONE

CERTIFICATE OF ANALYSIS A8822272

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
575E 0+00	201	---	< 5	12	1	19	39	0.2	6	0.1	
575E 0+25W	201	---	15	10	1	20	42	0.3	5	0.1	
575E 0+50W	201	---	< 5	8	3	13	43	0.2	5	0.2	
575E 0+75W	201	---	< 5	20	4	17	80	0.3	7	0.1	
575E 1+00W	201	---	< 5	16	4	20	57	0.4	7	0.1	
575E 1+25W	201	---	< 5	43	2	20	114	0.4	10	0.1	
575E 1+50W	201	---	< 5	23	1	14	70	0.3	5	0.1	
575E 1+75W	201	---	< 5	13	4	19	95	0.2	10	0.1	
575E 2+00W	201	---	290	29	1	14	100	0.2	6	0.1	
575E 2+25W	201	---	< 5	16	3	13	114	0.4	9	0.1	
575E 2+50W	201	---	< 5	36	4	11	245	0.3	16	0.1	
575E 2+75W	201	---	< 5	46	3	13	150	0.4	63	0.1	
575E 3+00W	201	---	< 5	18	5	19	138	0.3	15	0.1	
575E 3+25W	201	---	< 5	33	3	10	96	1.0	16	0.1	
575E 3+50W	201	---	< 5	24	1	9	73	0.5	7	0.1	
575E 3+75W	201	---	< 5	34	3	8	92	0.4	12	0.1	
575E 4+00W	201	---	< 5	30	5	16	98	0.2	12	0.1	
575E 4+25W	201	---	10	155	4	440	220	1.6	200	0.2	
575E 4+50W	201	---	5	138	3	9	180	0.8	63	0.1	
575E 4+75W	201	---	2170	76	2	19	255	0.6	33	0.1	
575E 5+00W	201	---	< 5	95	1	69	340	0.5	150	0.1	
575E 5+25W	201	---	< 5	17	5	17	102	0.3	12	0.1	
575E 5+50W	201	---	< 5	27	3	17	222	0.2	27	0.2	
575E 5+75W	201	---	10	87	4	113	330	2.7	540	3.4	
575E 6+00W	201	---	< 5	32	12	30	92	0.4	57	1.0	
575E 6+25W	201	---	< 5	13	1	16	52	0.2	4	0.2	
575E 6+50W	201	---	< 5	36	2	27	102	0.7	35	0.2	
575E 6+75W	201	---	< 5	14	5	15	155	0.5	15	0.1	
575E 7+00W	201	---	< 5	13	5	14	131	0.2	15	0.1	
575E 7+25W	201	---	< 5	70	7	10	270	0.7	140	1.0	
575E 7+50W	201	---	< 5	32	6	16	250	0.3	51	0.1	
575E 7+75W	201	---	< 5	11	2	6	122	0.2	9	0.1	
575E 8+00W	201	---	< 5	11	3	10	164	0.3	10	0.1	
575E 8+25W	201	---	< 5	13	3	15	265	0.2	22	0.1	
575E 8+50W	201	---	< 5	13	1	13	195	0.3	16	0.1	
575E 8+75W	201	---	< 5	11	2	9	145	0.4	16	0.1	
575E 9+00W	201	---	< 5	15	1	8	64	0.3	10	0.8	
575E 9+25W	201	---	< 5	19	5	11	130	0.6	12	0.2	
575E 9+50W	201	---	40	18	4	11	94	0.4	9	0.1	
575E 9+75W	201	---	< 5	22	4	13	185	0.6	11	0.1	

CERTIFICATION : Hart Bichler



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CERTIFICATE OF ANALYSIS A8822272

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
575E 10+00W	201	< 5	42	4	11	175	0.2	12	0.1		
575E 10+25W	201	< 5	114	11	16	405	0.7	22	1.2		
575E 10+50W	201	< 5	30	3	11	138	0.4	10	0.1		
575E 10+75W	201	< 5	25	4	11	102	0.6	11	0.1		
575E 11+00W	201	< 5	15	4	11	93	0.7	12	0.1		
575E 11+25W	201	< 5	26	3	16	112	0.4	19	0.1		
575E 11+50W	201	< 5	33	4	16	98	0.6	12	0.2		
575E 11+75W	201	< 5	24	5	15	100	0.7	14	0.1		
575E 12+00W	201	< 5	26	3	7	57	0.4	10	0.1		
575E 12+25W	201	< 5	20	6	12	98	0.3	12	0.1		
575E 12+50W	201	< 5	13	3	11	51	0.2	6	0.1		
575E 12+75W	201	< 5	23	5	11	80	0.4	14	0.2		
575E 13+00W	201	< 5	22	6	15	126	0.3	9	0.3		
575E 13+25W	201	< 5	50	2	11	120	1.0	7	0.2		
575E 13+50W	201	< 5	44	4	12	200	0.7	14	0.1		
575E 13+75W	201	< 5	42	2	17	90	0.4	7	0.1		
575E 14+00W	201	< 5	41	4	13	210	0.6	10	0.1		
575E 14+25W	201	< 5	12	1	12	44	0.2	5	0.1		
575E 14+50W	201	< 5	16	4	17	112	0.5	15	0.1		
575E 14+75W	201	< 5	10	1	12	46	0.3	6	0.1		
575E 15+00W	201	< 5	31	4	15	126	0.2	12	0.2		
575E 15+25W	201	< 5	17	2	14	65	0.2	6	0.1		
575E 15+50W	201	< 5	24	4	14	90	0.4	10	0.1		
575E 15+75W	201	< 5	28	4	11	94	0.2	11	0.1		
575E 16+00W	201	< 5	15	4	14	102	0.2	11	0.1		
575E 16+25W	201	< 30	44	4	96	208	0.3	14	0.1		
575E 16+50W	201	< 5	32	5	19	190	0.2	14	0.1		
575E 16+75W	201	< 5	24	4	18	56	0.2	19	0.1		
575E 17+00W	201	< 5	19	3	20	80	0.5	7	0.1		
575E 17+25W	201	< 5	93	2	10	62	0.2	7	0.1		
575E 17+50W	201	< 5	190	21	62	105	0.5	850	1.2		
575E 17+75W	201	< 5	60	6	19	100	1.3	17	0.1		
575E 18+00W	201	< 5	93	12	15	80	0.4	19	0.1		
575E 18+25W	201	< 30	228	45	34	74	0.8	120	1.4		
575E 18+50W	201	< 5	56	2	14	54	0.5	11	0.1		
575E 18+75W	201	< 5	73	24	15	63	0.4	20	0.1		
575E 19+00W	201	< 5	56	5	18	95	0.5	24	0.1		
575E 19+25W	201	< 5	48	4	23	113	0.7	14	0.1		
575E 19+50W	201	< 5	215	4	15	94	1.5	14	0.1		
575E 19+75W	201	< 5	60	4	21	75	0.5	12	0.1		

CERTIFICATION :

Hart Bichler



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212 BROOKSBANK AVE., NORTH VANCOUVER,
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Project : BIM 88-01

Comments :

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SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
575E 20+25W	201 ---	< 10	25		1	7	46	0.5	6		0.1
575E 20+50W	201 ---	< 5	41		5	16	96	0.5	9		0.1
575E 0+25E	201 ---	< 5	11		1	9	38	0.2	3		0.1
575E 0+50E	201 ---	< 5	24		5	14	130	0.1	11		0.2
575E 0+75E	201 ---	< 5	13		5	14	78	0.3	12		0.4
575E 1+00E	201 ---	< 5	12		4	13	65	0.1	10		0.2
575E 1+25E	201 ---	< 5	7		1	15	40	0.3	4		0.1
575E 1+50E	201 ---	< 5	27		5	10	98	0.4	9		0.1
575E 1+75E	201 ---	< 5	20		3	12	140	0.2	9		0.2
575E 2+00E	201 ---	< 5	7		1	8	30	0.3	3		0.1
575E 2+25E	201 ---	< 5	25		4	14	162	0.3	11		0.1
575E 2+50E	201 ---	< 5	29		5	13	100	0.2	16		0.2
575E 2+75E	201 ---	< 5	9		1	7	36	0.3	4		0.1
575E 3+00E	201 ---	< 5	22		2	15	48	0.4	6		0.1
575E 3+25E	201 ---	< 5	29		1	10	65	1.2	5		0.1
575E 3+50E	201 ---	< 5	18		2	9	60	0.1	5		0.1
575E 3+75E	201 ---	< 5	66		2	5	39	0.2	5		0.1
575E 4+00E	201 ---	< 5	31		4	18	44	1.3	6		0.1
575E 4+25E	201 ---	< 5	12		1	13	48	0.4	4		0.1
575E 4+50E	201 ---	< 5	12		1	38	38	2.3	6		0.1
575E 4+75E	201 ---	< 5	16		2	15	88	0.3	9		0.2
575E 5+00E	201 ---	< 5	38		1	40	71	0.6	6		0.1
575E 5+25E	201 ---	< 5	65		1	41	70	0.9	4		0.1
575E 5+50E	201 ---	< 5	54		2	30	46	0.1	5		0.1
575E 5+75E	201 ---	< 5	17		1	12	32	0.3	3		0.1
575E 6+00E	201 ---	< 5	21		4	13	70	0.2	9		0.1
575E 6+25E	201 ---	< 5	18		3	15	150	0.1	10		0.4
575E 6+50E	201 ---	< 5	13		3	7	46	0.1	9		0.2
575E 6+75E	201 ---	< 5	22		3	10	95	0.2	6		0.1
575E 7+00E	201 ---	< 5	7		1	15	22	0.2	4		0.1
575E 7+25E	201 ---	< 5	8		2	12	30	0.1	5		0.1
575E 7+50E	201 ---	< 5	14		5	14	103	0.1	9		0.1
575E 7+75E	201 ---	< 5	5		1	16	22	0.1	4		0.1
575E 8+00E	201 ---	< 5	7		1	9	22	0.1	3		0.1
575E 8+25E	201 ---	< 5	10		2	11	90	0.1	5		0.1
575E 8+50E	201 ---	< 5	10		1	12	25	0.1	3		0.1
575E 8+75E	201 ---	< 5	10		2	14	48	0.2	4		0.1
575E 9+00E	201 ---	< 5	10		4	14	72	0.1	10		0.2
575E 9+25E	201 ---	< 5	12		3	14	67	0.2	7		0.1
575E 9+50E	201 ---	< 5	15		3	9	89	0.2	7		0.1

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575E 9+75E	201	---	< 5	18	4	15	90	0.1	12	0.1	
575E 10+00E	201	---	< 5	19	6	14	138	0.1	11	0.2	
575E 10+25E	201	---	< 5	15	8	17	108	0.1	12	0.2	
575E 10+50E	201	---	< 5	11	8	13	54	0.2	5	0.1	
575E 10+75E	201	---	< 5	11	10	12	90	0.1	9	0.1	
575E 11+00E	201	---	< 5	11	2	12	57	0.1	3	0.1	
575E 11+25E	217	---	< 5	38	3	15	39	0.3	7	0.1	
575E 11+50E	201	---	180	108	4	26	130	0.5	22	0.1	
575E 11+75E	217	---	< 5	28	1	8	70	0.1	4	0.1	
575E 12+00E	217	---	< 5	11	2	11	38	0.1	5	0.1	
770E 9+25W	201	---	< 5	13	1	10	126	0.1	32	0.1	
770E 9+50W	201	---	< 5	23	1	5	40	0.6	7	0.1	
770E 9+75W	201	---	< 5	18	2	9	80	0.2	17	0.1	
770E 10+00W	201	---	< 5	35	2	19	155	1.0	29	0.1	
770E 10+25W	201	---	< 5	78	2	41	265	1.8	12	0.1	
770E 10+50W	201	---	< 5	34	1	20	113	0.2	5	0.1	
770E 10+75W	217	---	< 5	20	1	12	42	0.1	4	0.1	
770E 11+00W	201	---	< 5	71	1	23	100	0.3	11	0.1	
770E 11+25W	217	---	< 5	11	1	10	52	0.2	3	0.1	
770E 11+50W	201	---	< 5	19	6	42	116	0.4	24	0.1	
770E 11+75W	201	---	< 5	35	3	15	36	2.0	7	0.1	
770E 12+00W	217	---	< 5	23	3	16	32	0.2	10	0.2	
770E 12+25W	201	---	< 5	20	6	20	76	0.9	10	0.1	
770E 12+50W	217	---	< 5	102	1	42	310	0.9	7	0.1	
770E 12+75W	201	---	15	107	3	51	68	1.2	5	0.1	
770E 13+00W	201	---	< 5	16	3	28	50	0.2	7	0.1	
770E 13+25W	217	---	< 5	7	2	11	14	0.4	3	0.1	
770E 13+50W	201	---	< 5	30	6	20	162	0.7	11	0.1	
770E 13+75W	201	---	< 5	38	1	15	42	0.6	7	0.1	
770E 14+00W	201	---	< 5	32	2	13	37	0.4	10	0.1	
770E 14+25W	201	---	< 5	29	3	24	81	0.8	10	0.1	
770E 14+50W	201	---	20	66	2	16	28	0.3	4	0.1	
770E 14+75W	217	---	15	60	2	10	62	1.0	7	0.1	
770E 15+00W	217	---	125	23	1	13	43	0.9	4	0.1	

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QUILTING
406 - 675 W. HASTINGS ST.
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CERTIFICATE OF ANALYSIS A8822812

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
335W 0+00	201	--	< 5	77	2	2	190	0.3	10		0.2
335W 0+25N	201	--	< 5	53	2	1	77	0.4	9		0.4
335W 0+50N	201	--	< 25	56	3	50	110	0.5	16		1.0
335W 0+75N	201	--	< 5	60	1	8	165	0.4	29		0.8
335W 1+00N	201	--	< 5	74	1	2	85	0.6	39		1.8
335W 1+25N	201	--	< 5	60	2	4	215	0.4	39		0.8
335W 1+50N	201	--	< 15	75	2	14	195	0.5	45		2.4
335W 1+75N	201	--	< 5	17	2	110	1200	2.2	30		4.8
335W 2+00N	201	--	< 5	20	5	10	108	0.6	15		0.8
335W 2+25N	201	--	< 5	25	6	10	118	0.8	16		0.6
335W 2+50N	201	--	< 5	28	6	2	70	0.4	14		0.3
335W 2+75N	201	--	< 5	45	1	1	106	0.5	11		0.2
335W 3+00N	201	--	< 5	23	3	11	82	0.5	14		0.6
335W 3+25N	201	--	< 5	21	6	9	94	0.7	15		0.7
335W 3+50N	201	--	< 5	27	1	2	160	0.4	6		0.1
335W 3+75N	201	--	< 5	51	1	2	152	0.4	7		0.2
335W 4+00N	201	--	< 5	41	1	1	98	0.5	3		0.1
335W 4+25N	201	--	< 5	13	3	10	90	0.3	11		0.6
335W 4+50N	201	--	< 5	40	1	8	126	0.5	5		0.2
335W 4+75N	201	--	< 5	53	1	8	156	0.6	9		0.2
335W 0+25S	201	--	< 5	60	3	4	128	0.3	12		0.4
335W 0+50S	201	--	< 5	206	3	6	124	0.6	7		0.2
335W 0+75S	201	--	< 5	55	3	4	160	0.4	11		0.4
335W 1+00S	201	--	< 5	30	3	8	260	0.3	11		0.4
335W 1+25S	201	--	< 5	38	2	2	100	0.3	5		0.4
335W 1+50S	201	--	< 5	43	2	4	52	0.5	9		0.2
335W 1+75S	201	--	< 10	6	1	24	20	0.5	3		0.2
335W 2+00S	201	--	< 5	21	2	5	40	0.5	5		0.6
335W 2+25S	201	--	< 5	27	1	6	84	0.5	7		0.2
335W 2+50S	201	--	< 25	186	13	12	86	1.7	55		2.4
335W 2+75S	201	--	< 5	58	1	8	126	0.4	14		0.8
335W 3+00S	201	--	< 5	78	1	6	114	0.5	10		0.1
335W 3+25S	201	--	< 5	23	3	10	160	0.4	14		0.6
335W 3+50S	201	--	< 5	37	3	8	170	0.4	10		0.5
335W 3+75S	201	--	< 5	112	2	1	170	0.3	6		0.2
335W 4+00S	201	--	< 5	138	3	4	146	0.3	7		0.2
335W 4+25S	201	--	< 5	43	2	2	108	0.4	4		0.1
335W 4+50S	201	--	< 5	74	5	10	88	0.5	10		0.3
335W 4+75S	201	--	< 5	17	2	8	44	0.5	9		0.7
335W 5+00S	201	--	< 5	55	2	4	64	0.4	6		0.6

CERTIFICATION :

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525W 5+25N	201	< 5	93		1	2	70	0.4	6		0.2
525W 5+50N	201	< 5	140		1	1	94	0.5	3		0.1
525W 6+00N	201	< 5	54		1	4	32	0.6	5		0.2
525W 6+25N	201	< 5	74		1	2	54	1.0	3		0.3
525W 6+50N	201	< 10	73		1	1	84	0.4	3		0.1
525W 6+75N	201	< 10	198		1	1	92	0.7	10		0.2
525W 7+00N	201	< 5	55		2	2	70	0.4	5		0.2
525W 7+25N	201	< 10	27		1	1	58	0.8	4		0.2
525W 7+50N	201	< 5	44		1	1	76	0.3	3		0.2
525W 7+75N	201	< 5	24		2	4	78	0.2	6		0.1
525W 8+00N	201	< 5	49		5	10	70	0.3	11		0.4
525W 8+25N	201	< 5	107		1	1	170	0.3	3		0.2
525W 8+50N	201	< 5	115		1	2	110	0.2	5		0.4
525W 8+75N	201	< 10	15		1	3	34	0.4	5		0.5
525W 0+25S	201	< 5	55		1	12	140	0.2	4		0.1
525W 0+50S	201	< 5	41		5	8	122	0.3	11		0.5
525W 0+75S	201	< 5	22		5	8	100	0.3	10		0.4
525W 1+00S	201	< 10	14		3	9	70	0.3	14		0.5
525W 1+25S	201	not/ss	7		4	6	52	0.2	9		0.6
525W 1+50S	201	< 10	50		3	4	70	0.1	3		0.1
525W 1+75S	201	80	86		1	3	82	0.2	3		0.1
525W 2+00S	201	40	2750		1	1	150	2.6	5		0.4
525W 2+25S	201	< 5	102		1	10	130	0.2	3		0.3
525W 2+50S	201	< 5	177		3	10	128	0.2	5		0.7
525W 2+75S	201	< 5	210		1	1	70	0.3	3		0.2
525W 3+00S	201	< 5	31		1	1	90	0.1	3		0.2
525W 3+25S	201	< 5	72		1	1	110	0.1	5		0.2
525W 3+50S	201	< 20	103		1	2	120	0.2	3		0.1
525W 3+75S	201	< 5	25		1	4	70	0.1	4		0.2
525W 4+00S	201	< 5	220		1	1	138	0.1	3		0.3
525W 4+25S	201	< 5	53		1	1	132	0.1	3		0.1
525W 4+50S	201	< 5	15		1	1	66	0.2	3		0.3
525W 4+75S	201	< 5	123		2	2	118	0.2	5	not/ss	
525W 5+00S	201	< 30	93		1	1	156	0.2	3		0.1
525W 5+25S	201	< 5	46		1	1	94	0.2	3		0.3
525W 5+50S	201	< 5	43		2	1	98	0.1	3		0.2
525W 5+75S	201	< 5	108		1	1	192	0.2	3		0.2
525W 6+00S	201	< 5	82		1	1	100	0.2	3		0.1
525W 6+25S	201	< 5	82		1	1	100	0.1	3		0.3
525W 6+50S	201	< 5	30		1	1	70	0.3	3		0.4

CERTIFICATION : Hart Bichler



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525W 5+25N	201	< 5	93		1	2	70	0.4	6		0.2
525W 5+50N	201	< 5	140		1	1	94	0.5	3		0.1
525W 6+00N	201	< 5	54		1	4	32	0.6	5		0.2
525W 6+25N	201	< 5	74		1	2	54	1.0	3		0.3
525W 6+50N	201	< 10	73		1	1	84	0.4	3		0.1
525W 6+75N	201	< 10	198		1	1	92	0.7	10		0.2
525W 7+00N	201	< 5	55		2	2	70	0.4	5		0.2
525W 7+25N	201	< 10	27		1	1	58	0.8	4		0.2
525W 7+50N	201	< 5	44		1	1	76	0.3	3		0.2
525W 7+75N	201	< 5	24		2	4	78	0.2	6		0.1
525W 8+00N	201	< 5	49		5	10	70	0.3	11		0.4
525W 8+25N	201	< 5	107		1	1	170	0.3	3		0.2
525W 8+50N	201	< 5	115		1	2	110	0.2	5		0.4
525W 8+75N	201	< 10	15		1	3	34	0.4	5		0.5
525W 0+25S	201	< 5	55		1	12	140	0.2	4		0.1
525W 0+50S	201	< 5	41		5	8	122	0.3	11		0.5
525W 0+75S	201	< 5	22		5	8	100	0.3	10		0.4
525W 1+00S	201	< 10	14		3	9	70	0.3	14		0.5
525W 1+25S	201	not/ss	7		4	6	52	0.2	9		0.6
525W 1+50S	201	< 10	50		3	4	70	0.1	3		0.1
525W 1+75S	201	80	86		1	3	82	0.2	3		0.1
525W 2+00S	201	40	2750		1	1	150	2.6	5		0.4
525W 2+25S	201	< 5	102		1	10	130	0.2	3		0.3
525W 2+50S	201	< 5	177		3	10	128	0.2	5		0.7
525W 2+75S	201	< 5	210		1	1	70	0.3	3		0.2
525W 3+00S	201	< 5	31		1	1	90	0.1	3		0.2
525W 3+25S	201	< 5	72		1	1	110	0.1	5		0.2
525W 3+50S	201	< 20	103		1	2	120	0.2	3		0.1
525W 3+75S	201	< 5	25		1	4	70	0.1	4		0.2
525W 4+00S	201	< 5	220		1	1	138	0.1	3		0.3
525W 4+25S	201	< 5	53		1	1	132	0.1	3		0.1
525W 4+50S	201	< 5	15		1	1	66	0.2	3		0.3
525W 4+75S	201	< 5	123		2	2	118	0.2	5	not/ss	
525W 5+00S	201	< 30	93		1	1	156	0.2	3		0.1
525W 5+25S	201	< 5	46		1	1	94	0.2	3		0.3
525W 5+50S	201	< 5	43		2	1	98	0.1	3		0.2
525W 5+75S	201	< 5	108		1	1	192	0.2	3		0.2
525W 6+00S	201	< 5	82		1	1	100	0.2	3		0.1
525W 6+25S	201	< 5	82		1	1	100	0.1	3		0.3
525W 6+50S	201	< 5	30		1	1	70	0.3	3		0.4

CERTIFICATION :

Hart Bichler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

PHONE (604) 984-0221

QUITTING

406 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : BIM 88-01

Comments: ATTN: HENRY AWMAK

Page :
Tot. Pages: 5
Date : 18-SEP-88
Invoice # : I-8822812
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8822812

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm Aqua R	As ppm	Sb ppm		
525W 6+75S	201 ---	< 5	32		4	14	94	0.2	9		0.2
525W 7+00S	201 ---	< 5	55		1	1	94	0.1	3		0.4
525W 7+25S	201 ---	15	432		1	2	148	0.1	3		0.1
525W 7+50S	201 ---	< 5	47		1	2	78	0.1	4		0.4
525W 7+75S	201 ---	< 5	120		1	1	92	0.2	3		0.2
525W 8+00S	201 ---	< 5	20		1	6	60	0.2	3		0.4
525W 8+25S	201 ---	< 5	65		1	2	76	0.3	3		0.5
525W 8+50S	201 ---	10	108		2	1	128	1.5	5		0.2
525W 8+75S	201 ---	< 5	90		1	2	90	0.3	4		0.2
525W 9+00S	201 ---	< 5	36		1	10	78	0.1	3		0.4
525W 9+25S	201 ---	< 5	19		6	12	68	0.4	11		0.6
525W 9+50S	201 ---	< 5	21		4	8	58	0.1	6		0.8
525W 9+75S	201 ---	< 5	12		5	10	40	0.3	9		0.6
525W 10+00S	201 ---	< 5	12		5	16	38	0.1	11		0.7
525W 10+25S	201 ---	< 5	32		3	8	130	0.1	9		0.8
525W 10+50S	201 ---	10	18		3	16	88	0.2	9		0.7
525W 10+75S	201 ---	< 5	33		4	38	134	0.3	5		0.7
525W 11+00S	201 ---	< 5	23		4	66	78	0.6	5		0.4

CERTIFICATION :

Hart Buchler

APPENDIX E

STATISTICAL ANALYSIS

EQUITY ENGINEERING - PROJECT BIM 88-01

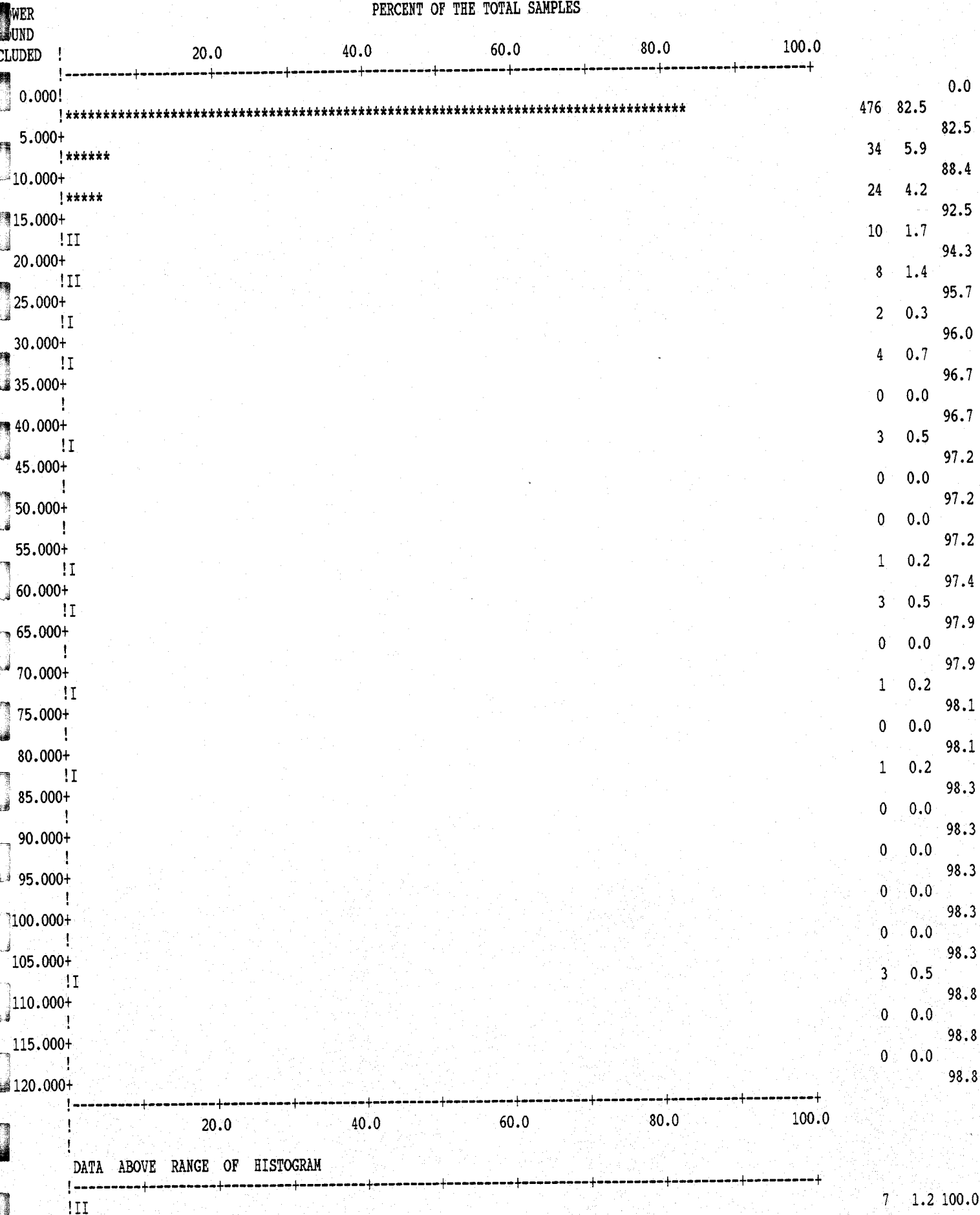
VARIABLE:	Au ppb
NUMBER OF OBSERVATIONS:	577
DETECTION LIMIT:	5 ppb
MINIMUM:	2.000
MAXIMUM:	2170.000
MEAN:	10.565
STANDARD ERROR OF MEAN:	3.872
STANDARD DEVIATION:	92.998
COEFFICIENT OF VARIATION:	880.250
SKEWNESS:	21.818
KURTOSIS:	501.124

(Values <5 ppb --> 2 ppb)

TITLE : EQUITY ENGINEERING - PROJECT BIM 88-01
 TABLE : Au ppb

OF % OF CUM.
 SAMPLES TOTAL %

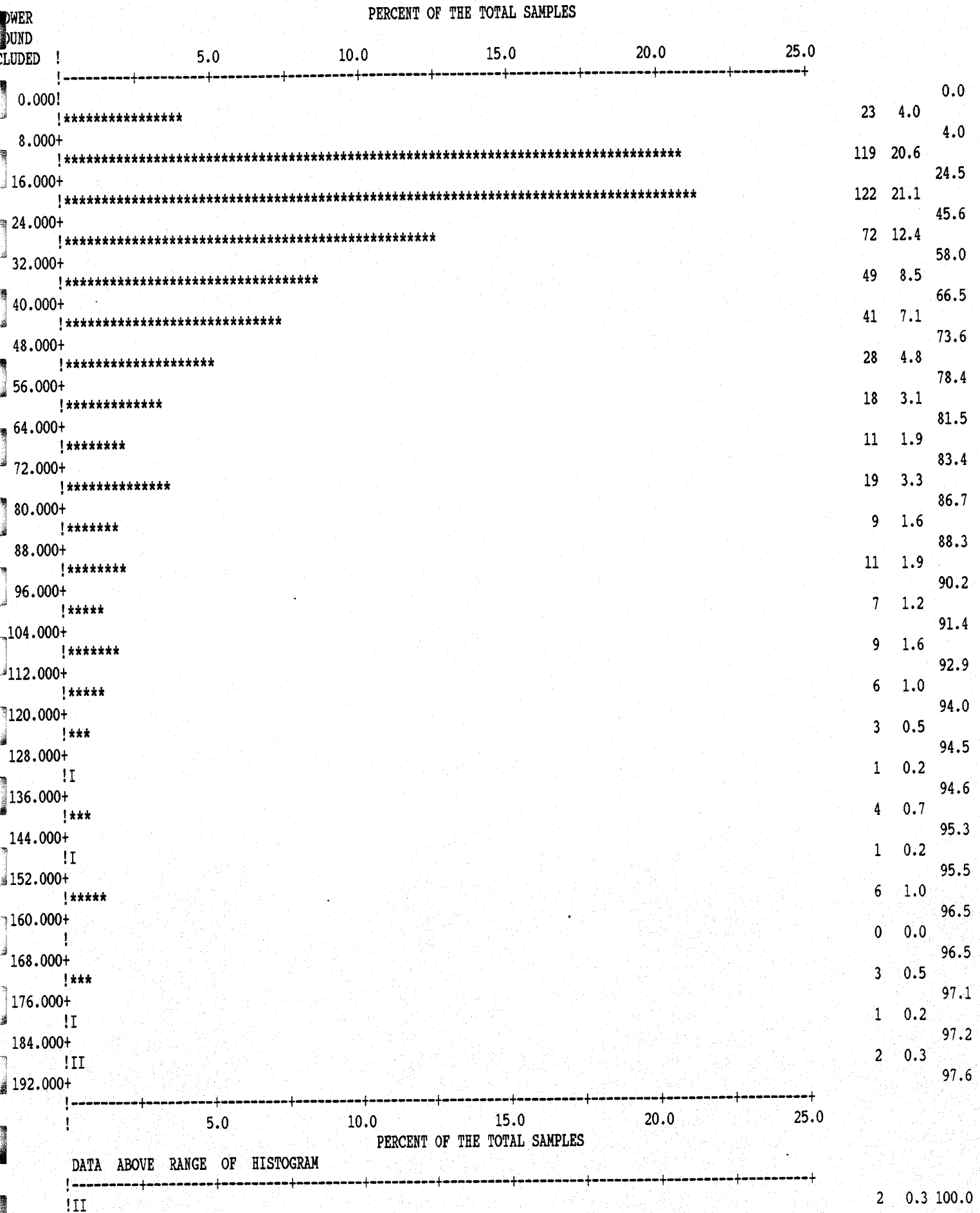
PERCENT OF THE TOTAL SAMPLES



EQUITY ENGINEERING - PROJECT BIM 88-01

VARIABLE:	Cu ppm
NUMBER OF OBSERVATIONS:	579
DETECTION LIMIT:	1 ppm
MINIMUM:	2.000
MAXIMUM:	2750.000
MEAN:	47.489
STANDARD ERROR OF MEAN:	5.074
STANDARD DEVIATION:	122.104
COEFFICIENT OF VARIATION:	257.121
SKEWNESS:	18.899
KURTOSIS:	411.842

OF % OF CUM.
SAMPLES TOTAL %

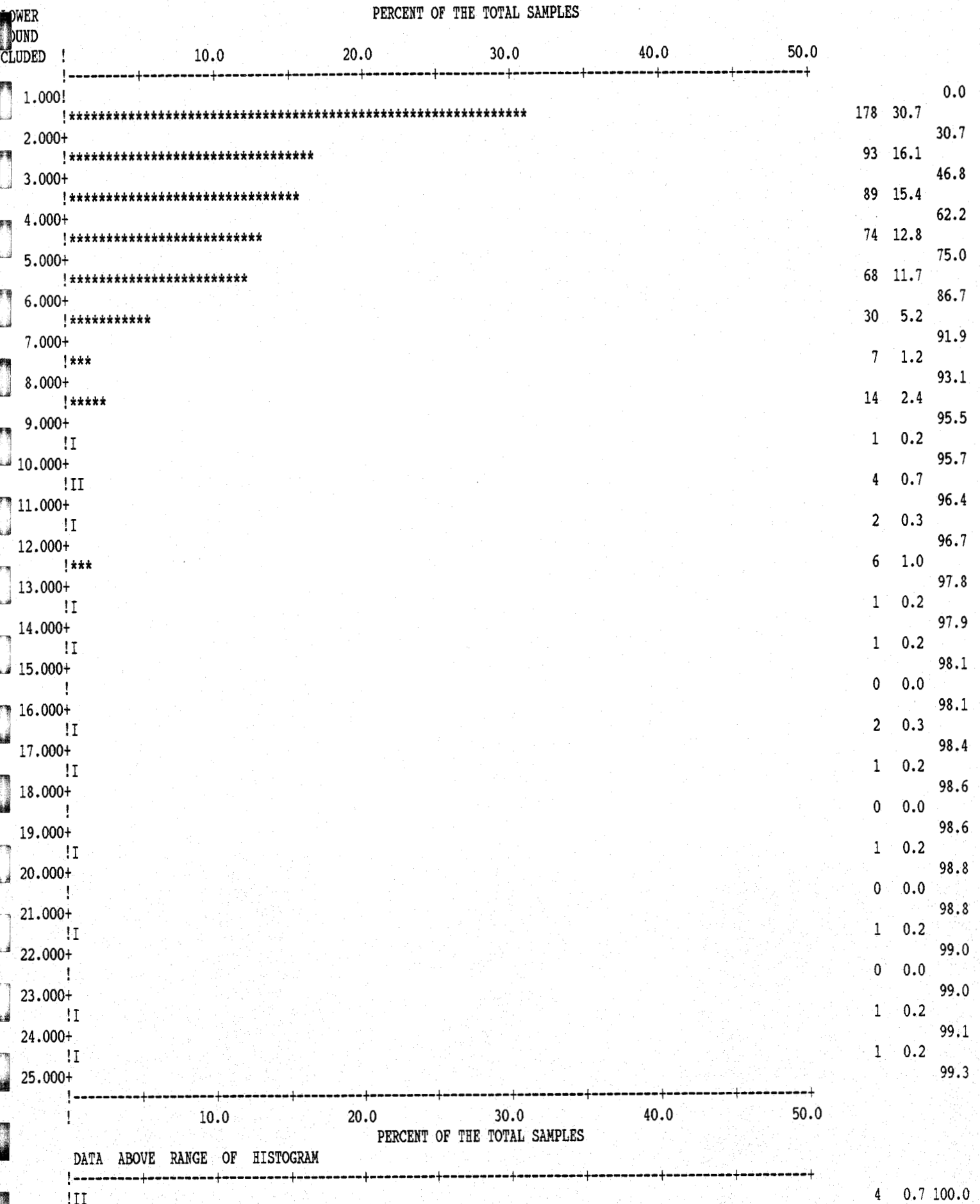


DATA ABOVE RANGE OF HISTOGRAM

EQUITY ENGINEERING - PROJECT BIM 88-01

VARIABLE:	Mo ppm
NUMBER OF OBSERVATIONS:	579
DETECTION LIMIT:	1 ppm
MINIMUM:	1.000
MAXIMUM:	110.000
MEAN:	3.693
STANDARD ERROR OF MEAN:	0.243
STANDARD DEVIATION:	5.857
COEFFICIENT OF VARIATION:	158.605
SKEWNESS:	11.745
KURTOSIS:	192.312

OF % OF CUM.
SAMPLES TOTAL %

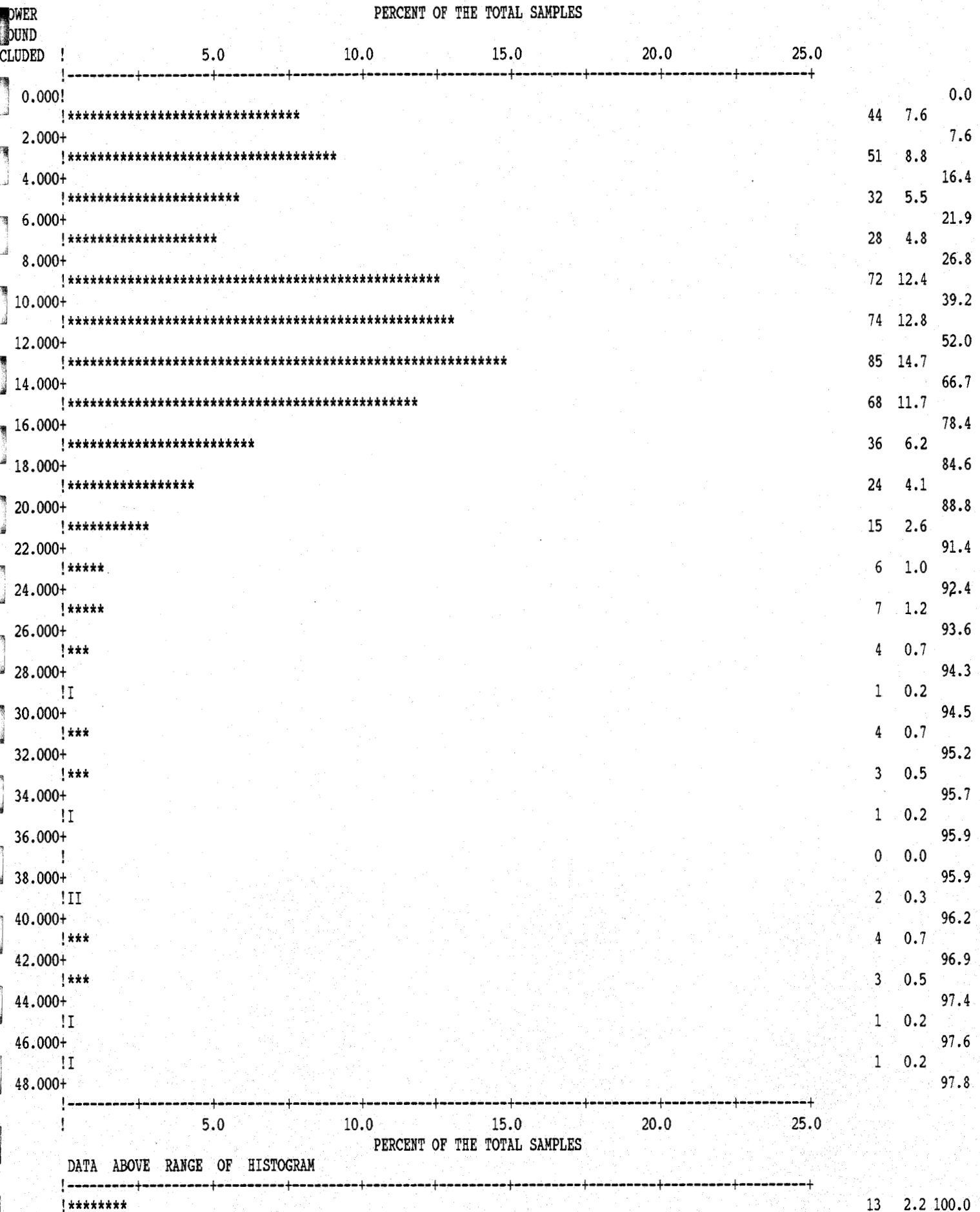


EQUITY ENGINEERING - PROJECT BIM 88-01

VARIABLE:	Pb ppm
NUMBER OF OBSERVATIONS:	579
DETECTION LIMIT:	1 ppm
MINIMUM:	1.000
MAXIMUM:	1180.000
MEAN:	16.079
STANDARD ERROR OF MEAN:	2.363
STANDARD DEVIATION:	56.857
COEFFICIENT OF VARIATION:	353.602
SKEWNESS:	16.644
KURTOSIS:	314.795

DATA TITLE : EQUITY ENGINEERING - PROJECT BIM 88-01
 TABLE : Pb ppm

OF % OF CUM.
 SAMPLES TOTAL %

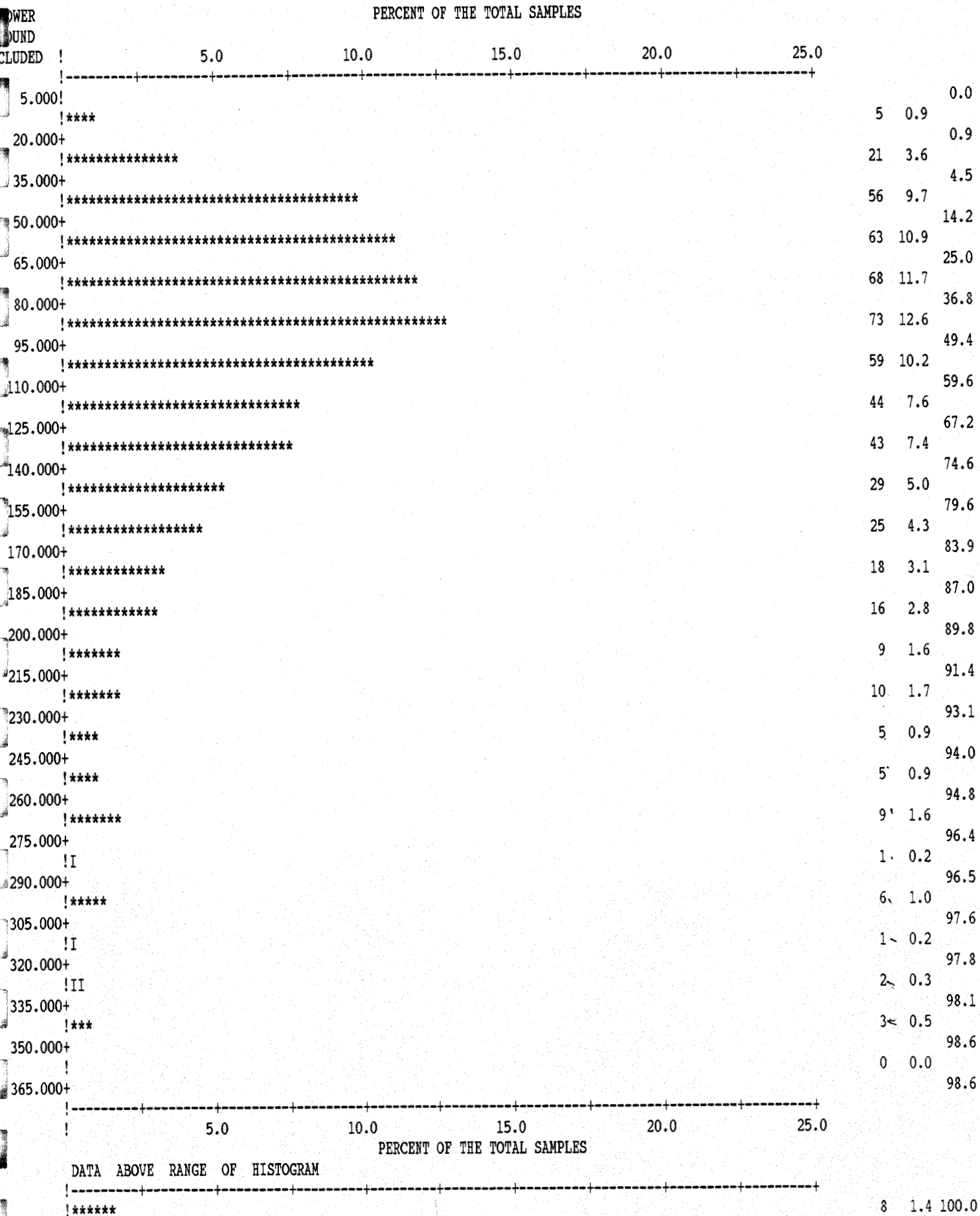


EQUITY ENGINEERING - PROJECT BIM 88-01

VARIABLE:	Zn ppm
NUMBER OF OBSERVATIONS:	579
DETECTION LIMIT:	5 ppm
MINIMUM:	10.000
MAXIMUM:	1200.000
MEAN:	115.877
STANDARD ERROR OF MEAN:	3.768
STANDARD DEVIATION:	90.672
COEFFICIENT OF VARIATION:	78.248
SKEWNESS:	4.778
KURTOSIS:	42.631

DATA TITLE : EQUITY ENGINEERING - PROJECT BIM 88-01
 TABLE : Zn ppm

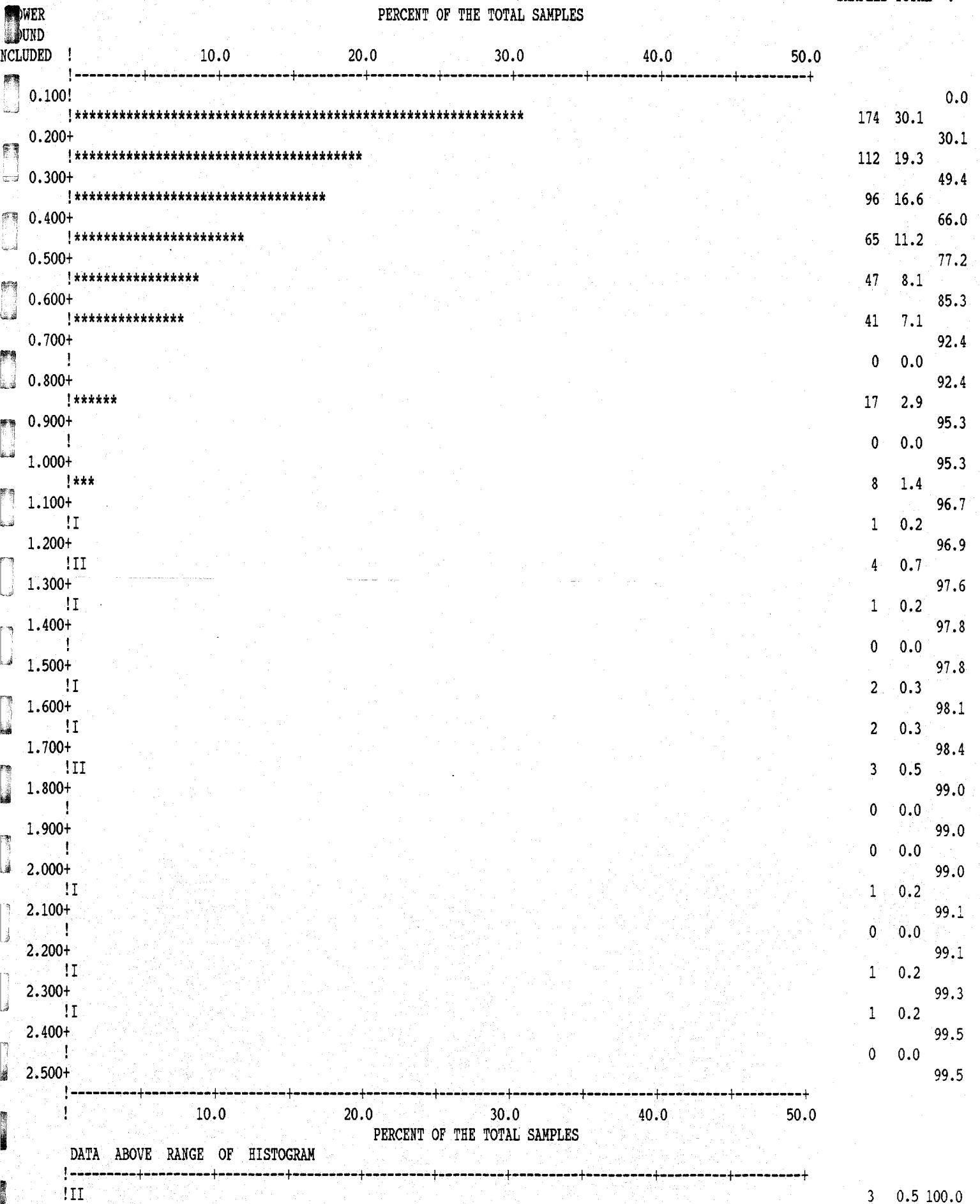
OF % OF CUM.
 SAMPLES TOTAL %



EQUITY ENGINEERING - PROJECT BIM 88-01

VARIABLE:	Ag ppm
NUMBER OF OBSERVATIONS:	579
DETECTION LIMIT:	0.1 ppm
MINIMUM:	0.100
MAXIMUM:	7.700
MEAN:	0.354
STANDARD ERROR OF MEAN:	0.019
STANDARD DEVIATION:	0.449
COEFFICIENT OF VARIATION:	127.015
SKEWNESS:	8.750
KURTOSIS:	125.123

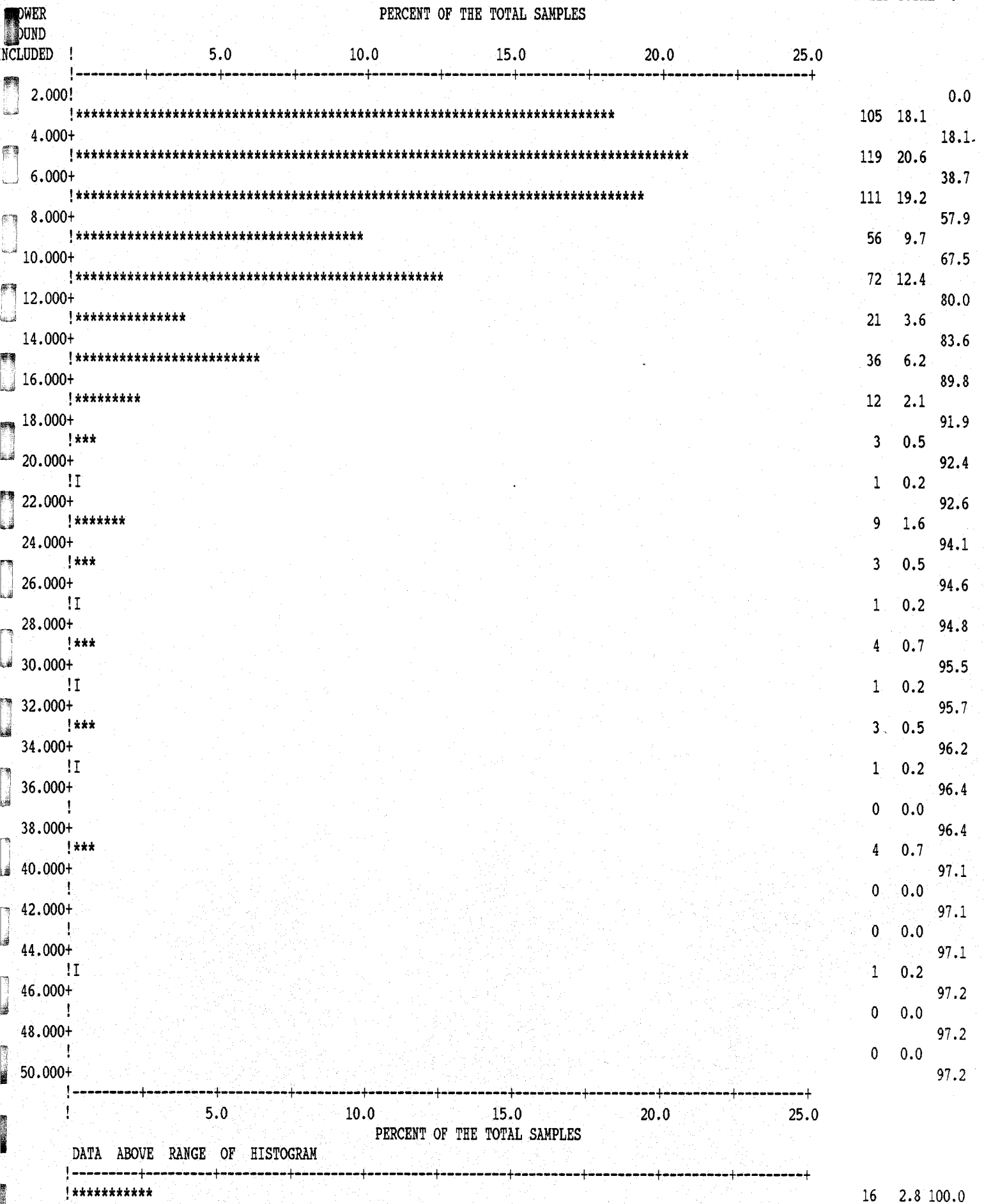
OF % OF CUM.
SAMPLES TOTAL %



EQUITY ENGINEERING - PROJECT BIM 88-01

VARIABLE:	As ppm
NUMBER OF OBSERVATIONS:	579
DETECTION LIMIT:	1 ppm
MINIMUM:	2.000
MAXIMUM:	850.000
MEAN:	13.582
STANDARD ERROR OF MEAN:	1.957
STANDARD DEVIATION:	47.083
COEFFICIENT OF VARIATION:	346.653
SKEWNESS:	12.961
KURTOSIS:	199.940

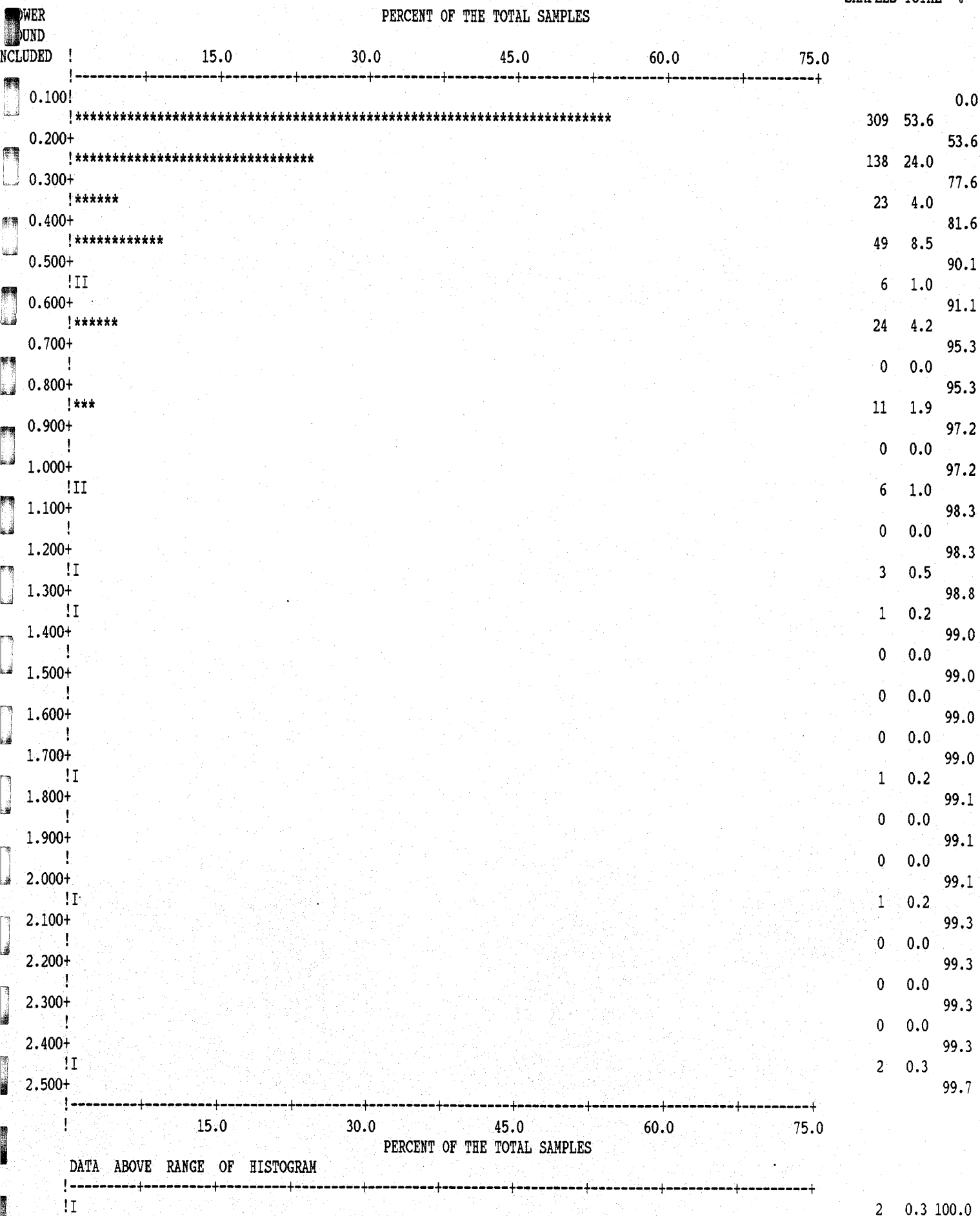
OF % OF CUM.
SAMPLES TOTAL %



EQUITY ENGINEERING - PROJECT BIM 88-01

VARIABLE:	Sb ppm
NUMBER OF OBSERVATIONS:	576
DETECTION LIMIT:	0.1 ppm
MINIMUM:	0.100
MAXIMUM:	4.800
MEAN:	0.243
STANDARD ERROR OF MEAN:	0.014
STANDARD DEVIATION:	0.345
COEFFICIENT OF VARIATION:	142.139
SKEWNESS:	6.962
KURTOSIS:	70.027

OF % OF CUM.
 SAMPLES TOTAL %



APPENDIX F

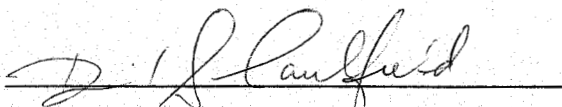
STATEMENTS OF QUALIFICATIONS

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 406, 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 my primary employment since 1978 has been in the field of mineral exploration.
4. THAT my experience has encompassed a wide range of geological environments and has allowed considerable familiarization with geophysical, geochemical, and diamond drilling techniques.
5. THAT this report is based on fieldwork carried out under my direction.

DATED at Vancouver, British Columbia, this 28 day of February, 1989.



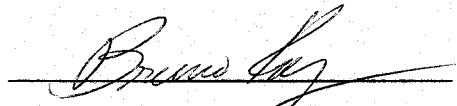
David A. Caulfield, Geologist

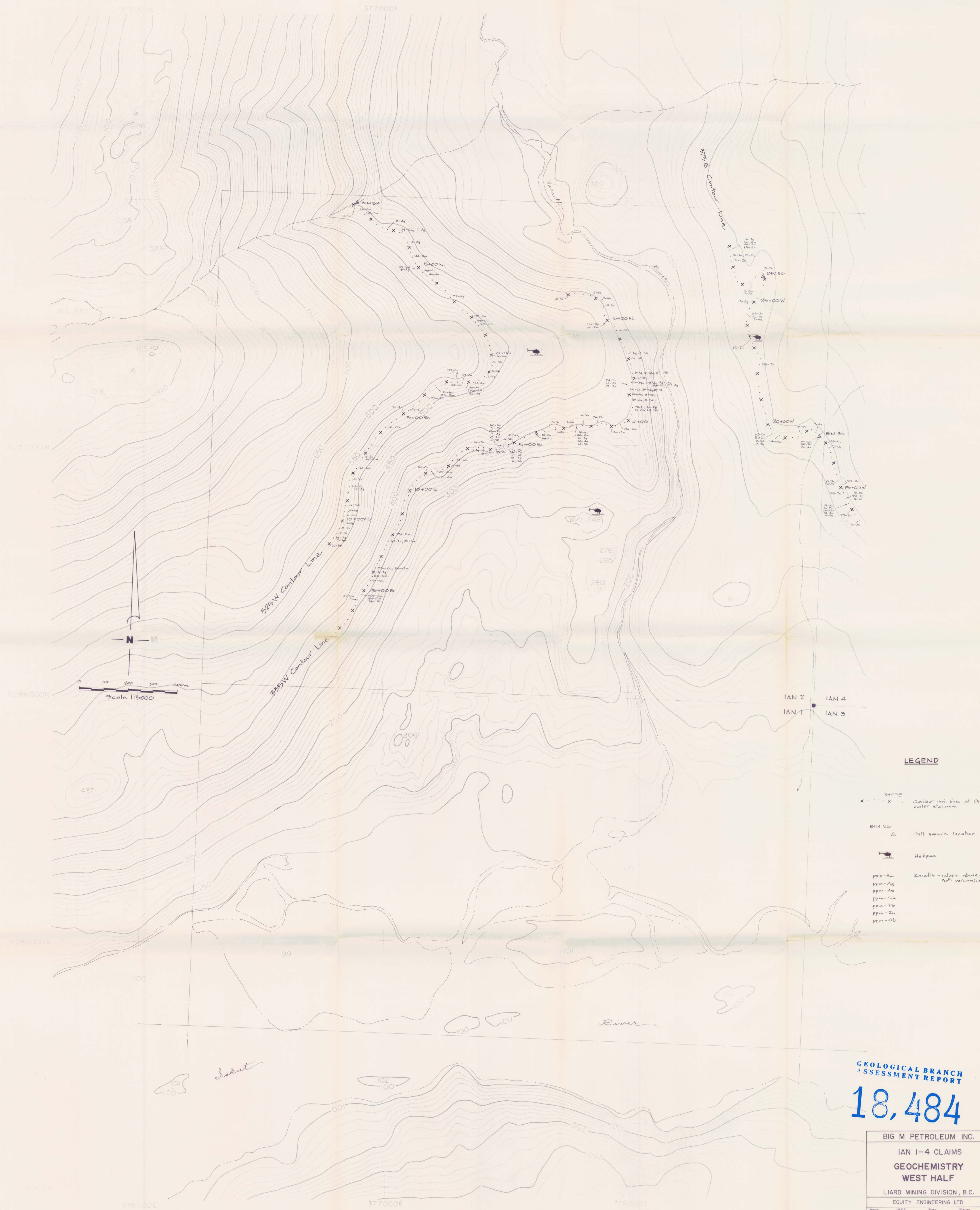
STATEMENT OF QUALIFICATIONS

I, BRUNO KASPER, of 1350 East 34th Avenue, Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geologist with offices at Suite 406, 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 on the Ian 1-4 claims during August 1988.

DATED at Vancouver, British Columbia, this 28 day of February, 1989.


Bruno Kasper, Geologist

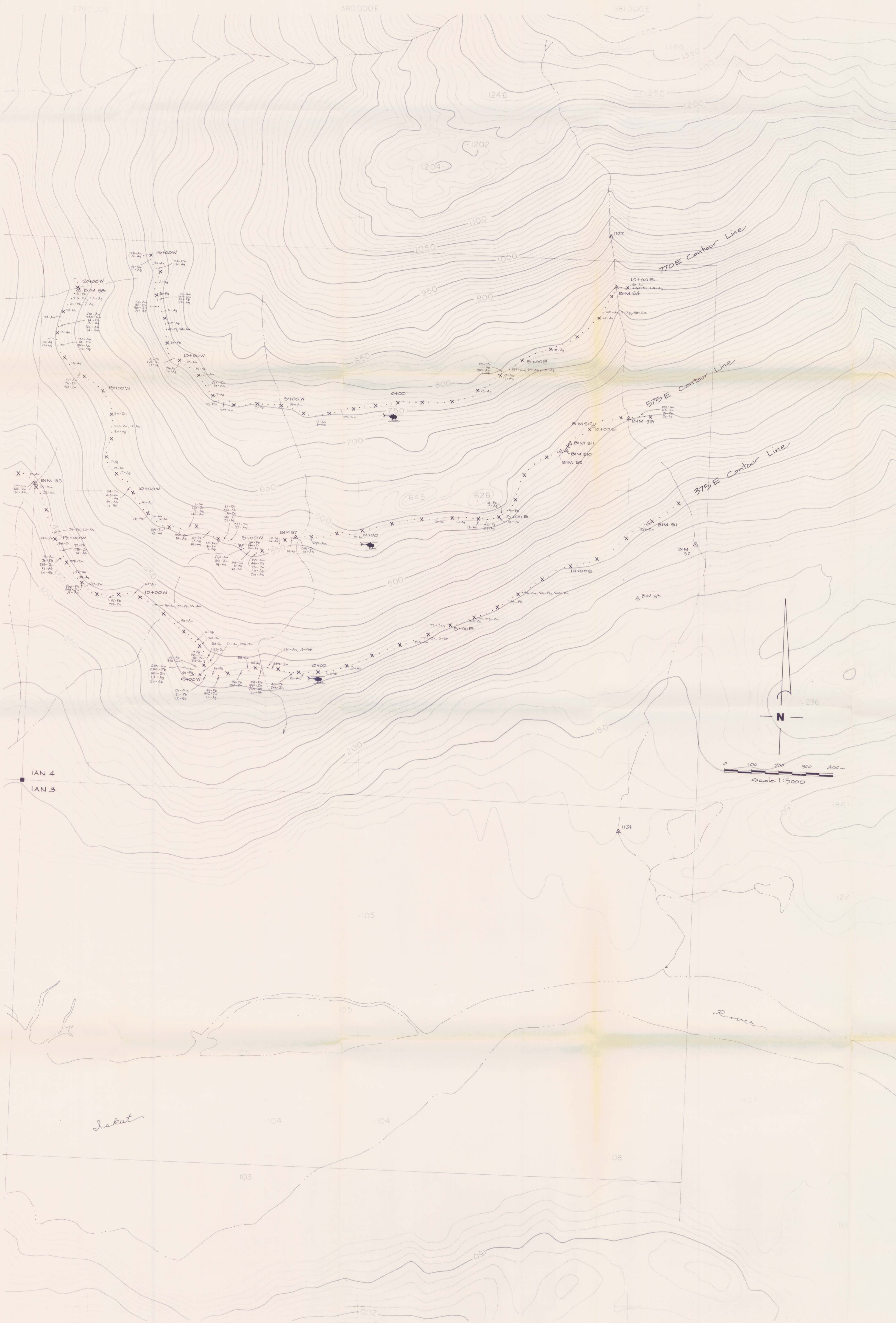


LEGEND

- 5+0PE
- X . . . X . . . Contour soil line at 25 meter stations
- BIM 96
- △ Soil sample location
- ✈ Helipad
- ppb-Au
- ppm-Ag
- ppm-As
- ppm-Cu
- ppm-Pb
- ppm-Zn
- ppm-Sb
- Results - values above 95th percentile.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**
18,484

BIG M PETROLEUM INC.			
IAN 1-4 CLAIMS			
GEOCHEMISTRY			
WEST HALF			
LIARD MINING DIVISION, B.C.			
EQUITY ENGINEERING LTD			
Drawn	N.T.S.	Date	Page
	10-98/109,111	Feb 1999	6



LEGEND

- 5+00E
X . . . X . . . Contour rail line at 25' water stations.
- BIM 95
△ Silt sample location
- Helipad
- ppb - Au
ppm - Ag
ppm - As
ppm - Cu
ppm - Pb
ppm - Zn
ppm - Sb
Results - values above 90th percentile.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

18,484

BIG M PETROLEUM INC.			
IAN 1-4 CLAIMS			
GEOCHEMISTRY			
EAST HALF			
LIARD MINING DIVISION, B.C.			
EQUITY ENGINEERING LTD			
Drawn	NCS	Date	Figure
	1048/10W/11E	Feb 1989	5

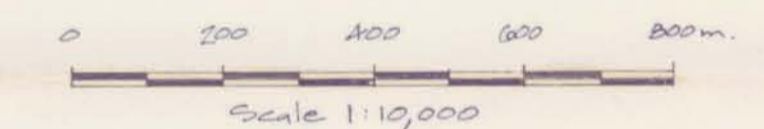
LEGEND

LITHOLOGIES

- Jurassic**
- Jop Orthoclase porphyry
 - Jfd Felcic dyke
- Triassic**
- Tqz Quartzite
 - Tss Interbedded siltstone, mudstone, greywacke
 - Tcgl Conglomerate
 - Tch Chert
 - Tfv Feldspar porphyry flow
 - Tbt Agglomerate
 - Tcgl Limestone conglomerate
- Ferrian**
- Pl Crinoidal limestone

SYMBOLS

- (H) Helipad
- (P) Fossil location
- Geological contact, inferred
- Fault
- X Rock sample location, F - float
- Bedding
- V Vein
- J Joint
- Legal corner post (LCP)



ROCK GEOCHEMICAL RESULTS

Sample	Au(ppb)	Ag(ppm)	Cu(ppm)	Pb(ppm)	Zn(ppm)
245401	<5	8.6	194	512	185
245402	<5	0.4	9	6	25
245403	15	0.4	4	<2	9
245404	<5	0.2	97	<2	90
245405	<5	0.2	171	6	67
245406	<5	<0.2	33	66	84
245407	<5	<0.2	37	2	76
245408	<5	<0.2	36	8	74
245409	<5	<0.2	18	4	112
245420	<5	<0.2	51	8	82
245411	<5	<0.2	10	12	53
245412	<5	<0.2	74	10	89
245413	<5	<0.2	41	<2	100
245453	2800	4.0	1950	14	70
245454	35	0.4	73	26	98
245455	<5	0.4	51	8	30
245456	90	2.4	38	40	83
245457	<5	0.2	8	<2	239
245458	15	<0.2	38	<2	68
245459	5	<0.2	25	2	52
245460	<5	0.2	17	<2	5

GEOLOGICAL BRANCH ASSESSMENT REPORT

18,484

BIG M PETROLEUM INC.

IAN 1-4 CLAIMS

COMPILATION MAP

LIARD MINING DIVISION, B.C.

EQUITY ENGINEERING LTD.

Drawn	N.T.S. 1048/10W,11E	Date	Feb. 1989	Figure	4
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WARATAH 5

WARATAH 6 WARATAH 7

SCALE 1:10,000
CONTOUR INTERVAL 10m

IAN 2 IAN 4
IAN 1 IAN 3