12/88

GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE JP-3 & 4 AND CAM 9 & 10 CLAIMS

ISKUT RIVER AREA,

LIARD MINING DIVISION

NTS 104B/10W and 104B/10E
Latitude 56°39'N
Longitude 130°47'W

FOR

Norman Resources Ltd.
1590 - 609 Granville Street
Vancouver, B.C.
V7Y 1C6

BY

George R. King, B.Sc.,
Hi-Tec Resource Management Ltd.
1500 - 609 Granville Street
Vancouver, B.C.
V7Y 1G5

November 1987

HI-TEC RESOURCE MANAGEMENT LIMITED

TABLE OF CONTENTS

LIST OF APPENDICES

LIST OF FIGURES

1.0 SUMMARY

Pursuant to a request by the Directors of Norman Resources Ltd., an exploration program involving prospecting, geological mapping, and geochemical sampling was conducted on the JP-3 & 4 and Cam 9 & 10 mineral claims in June, July and August of 1987. The author was active in this program in the capacity of project geologist.

The property is located in the western Iskut River area of northwestern British Columbia. This area has been the focus of intense mining exploration activity in recent years, which has resulted in several discoveries.

The property lies within the westernmost part of the Intermontane Tectonic Belt, close to the boundary of the Coast Crystalline Tectonic Belt. The JP-3 & 4 and Cam 10 claims are underlain almost entirely by plutonic rocks of granitic to granodioritic composition. A sedimentary sequence of limestones, argillites and arenites with minor volcanic constituents is exposed over most of the Cam 9 claim. This sequence is intruded by several small igneous bodies. Skarn zones containing pods of sulphide mineralization occur near the contacts of some of these intrusives with their limestone country rocks.

Very high copper and zinc values, along with anomalous gold and silver values have been obtained from grab samples of the skarn material. Soil and stream sediment geochemistry results indicate the presence of additional areas of mineralization.

The author recommends that a detailed program of soil geochemistry, along with ground Magnetometer and VLF-EM

surveys, be conducted over those areas of the property where mineralization has been located.

An airborne geophysics program might be considered for the entire property.

2.0 INTRODUCTION

Pursuant to a request by the directors of Norman Resources Ltd., an exploration program involving geological mapping, prospecting and geochemical sampling was carried out on the JP 3-4 and CAM 9-10 claims by Hi-Tec Resource Management Ltd. in June, July and August of 1987. The purpose of the program was to evaluate the precious and/or base metal potential of the property to the fullest extent possible within the given time and budget allowances.

2.1 Property and Ownership

The property is recorded as follows:

Claim Name	Record No.	No. Units	Record Date	Recorded Owner
JP 3	3752	20	Dec. 5, 1986	I. Hagemoen
JP 4	3753	18	Dec. 5, 1986	"
CAM 9	3862	20	Dec. 22, 1986	"
CAM 10	3848	6	Dec. 22, 1986	"

The Norman Resources Ltd.'s claim group consists of 4 contiguous claims totalling 64 units and are located in the Liard Mining Division.

2.2 Location and Access

The JP 3-4 and CAM 9-10 mineral claims are located in the western Iskut River area of northwestern British

BRITISH COLUMBIA

Scale 1 : 7,500,000 approx.

NORMAN RESOURCES LTD.		
JP 3,4 & CAM 9,10 CLAIMS LIARD M.D., B.C.		
GENERAL LOCATION MAP		
HI-TEC RESOURCE MANAGEMENT LIMITED	By:	Date: Nov '87
	N.T.S. 104 B/10	Figure: 1
	Scale: see above	

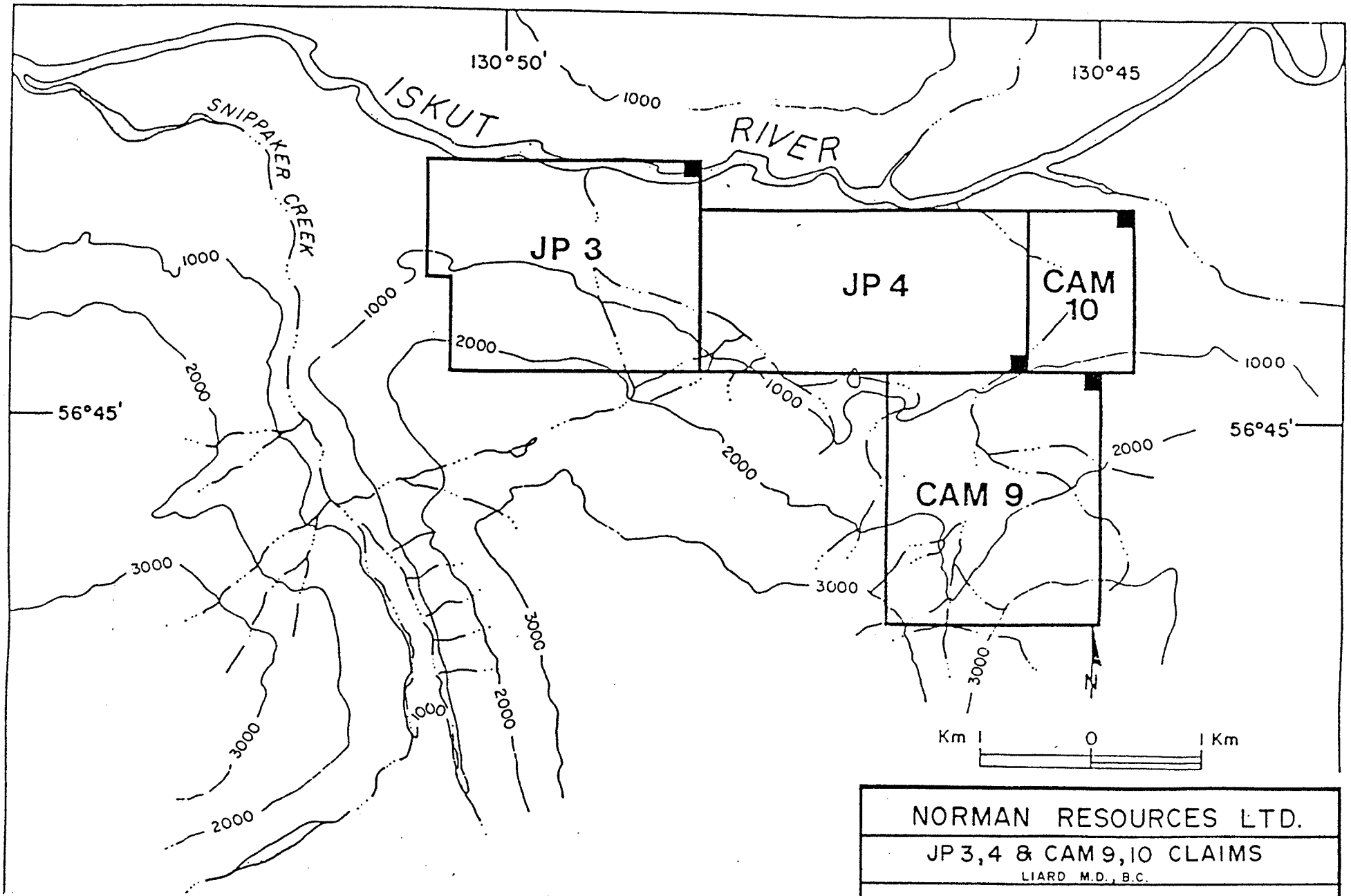
Columbia. The property is approximately 110 kilometers (70 miles) northwest of Stewart, B.C., 80 kilometers (50 miles) east of Wrangell, Alaska and 20 kilometers (12 miles) east of the Bronson Creek airstrip. The claims are located south of and adjacent to the Iskut River on NTS map areas 104B/10W and 104B/10E at latitude 56°39'N and longitude 130°46'W.

The area is accessible by air from Smithers, Wrangell, Terrace or Stewart to gravel airstrips at Bronson Creek, Snippaker Creek or Johnny Mountain. The nearest road is Highway 37 at Bob Quinn Lake which is 50 km to the northeast. Access to the property is via helicopter from one of the airstrips. Due to the dense forest growth and extreme topography, convenient landing sites for helicopters are not plentiful. However, access may be achieved at various swampy areas at lower elevations and above tree line at higher elevations.

2.3 Physiography

Topographic relief on the JP and CAM mineral claims ranges from level at the edge of the Iskut River to very steep in the mountains at the southern boundary of the claims. Elevations range from a few hundred meters above sea level to over 1200 meters.

Much of the property supports a mature forest of spruce, fir and hemlock. There are sizeable alder thickets along many of the creeks. The higher elevations support a rather modest undergrowth, which consists mainly of blueberries with occasional patches of devil's club. Alpine flora occurs on the highest parts of the Cam 9 claim. There is a dense undergrowth of devil's club and huckleberry at lower elevations. The western Iskut River region lies within the coastal wet belt. Hence



NORMAN RESOURCES LTD.

JP 3,4 & CAM 9,10 CLAIMS

LIARD M.D., B.C.

CLAIM LOCATION MAP

HI-TEC RESOURCE ANAC LIMITED

By: G. KING

Date: Oct. '87

N.T.S. 104-B/10

Sc ~ 1:50000

Figure: 2

rainfall and snowfall vary from heavy to extreme. Winter snowpack at higher elevations is commonly several meters deep. Lower elevations may be snowfree for 8 months of the year.

2.4 History and Previous Work

Although the Stikine River served as the access route to the placer deposits of the Cassiar area which were discovered in 1873, there is no record of any prospecting activity in the lower Iskut River area until 1907. In that year, F.E. Bronson and Associates of Wrangell, Alaska staked nine claims on the lower reaches of Bronson Creek, to the north of Johnny Mountain. The Iskut Mining Company was incorporated in 1910, and in 1911 it undertook a program of trenching and drifting on the Iskoot and Red Bluff claims. A report from that program states that a ton of ore from one cut yielded $1.20 in gold, 44.2 ounces of silver and 12.45% of copper.

The Iskut Mining Company's claims were subsequently crown granted in 1914 and 1915 and by 1920, numerous trenches had been dug on these claims, along with a 30 foot adit. The latter revealed a number of veins and stringers hosting galena and gold-silver mineralization.

In 1929, Consolidated Mining and Smelting staked 48 claims on Johnny Mountain. There is no record of any further work on these properties until 1954. In that year, prospectors from Hudson's Bay Mining and Smelting located the Pickaxe showing, and found high grade gold-silver-lead-zinc float on the open, upper slopes of Johnny Mountain. Today, these showings are part of Skyline Exploration's Reg property. Hudson's Bay Mining

and Smelting allowed these claims to lapse after performing exploration work on them in the mid-1950's.

In the 1960's a number of major mining companies conducted helicopter borne reconnaissance surveys for potential porphyry copper-molybdenum deposits. Several new claims were staked on Johnny Mountain and along Sulphurets Creek in that period, while Kennco and Noranda investigated the original showings on Johnny Mountain. The original crown grants and surrounding claims were explored by a consortium of Cominco, Copper Soo Mining Ltd., and Tuksi Mining and Development Ltd. in 1965. Some 1,800 feet of diamond drilling in 10 holes was completed by this group. Further geological work was done on these properties in 1968.

Texus Gulf Inc. investigated the porphyry copper potential of Johnny Mountain in 1974. Numerous mining companies conducted exploration work elsewhere in the Iskut River area in the 1960's and 1970's. Among these were Iskut Silver Mines, which conducted programs involving geological and geochemical surveys, trenching and pack-sack drilling on a property located north of the Iskut River and between the Twin and Verrett Rivers.

On various occasions between 1962 and 1972, Newmont Exploration of Canada Ltd. conducted exploration programs involving geological mapping, geophysics and limited diamond drilling on several prospects in an area near the headwaters of Forrest Kerr Creek.

In 1965, Silver Standard Mines commenced work on the E & L prospect, a nickel-copper deposit on Nickel Mountain near the headwaters of Snippaker Creek. This prospect was later optioned by Sumitomo Metal Mining, and by the end of 1971, 1,500 feet of underground work had been

completed in addition to intensive trenching, and surface and underground drilling programs.

In 1969, Skyline Explorations Ltd. restaked the Inel property, after having discovered massive sulphide float originating from the head of Bronson Glacier. The Reg property was restaked by Skyline in 1980, and in 1981, a program of trenching and limited diamond drilling was carried out on this property. The Reg property was optioned to Placer Developments Ltd. in 1982, which formed a joint venture program with Anaconda Canada Ltd. to carry out various surveys in addition to trenching and diamond drilling in 1983. Exploration was continued on the property by Anaconda in 1984, after which season it reverted to Skyline Explorations Ltd.

By the end of 1986, Skyline had completed 1,500 feet of underground cross-cutting and drifting in addition to extensive drilling on the Stonehouse Gold Zone. This work confirmed the presence of high grade gold mineralization in addition to silver and copper with good lateral and depth continuity over mineable widths.

Further exploration and development work has been carried out in 1987, as Skyline prepares to bring the Reg Deposit into production. The success of Skyline's program has provided the impetus for an extremely active mining exploration scene in the Iskut River area over the past few years. In 1987, companies such as Western Canadian Mining Corporation, Gulf International Minerals Ltd., Tungco Resources, and Newhawk Gold Mines among others, have carried out extensive drilling programs in the area. Delaware Resources Corporation, in joint venture with Cominco, has carried out a major drilling program on the Snip Property near Bronson Creek, and a production decision is believed to be imminent.

There is no record of past exploration work on the area within the present JP 3-4 and Cam 9-10 claim boundaries.

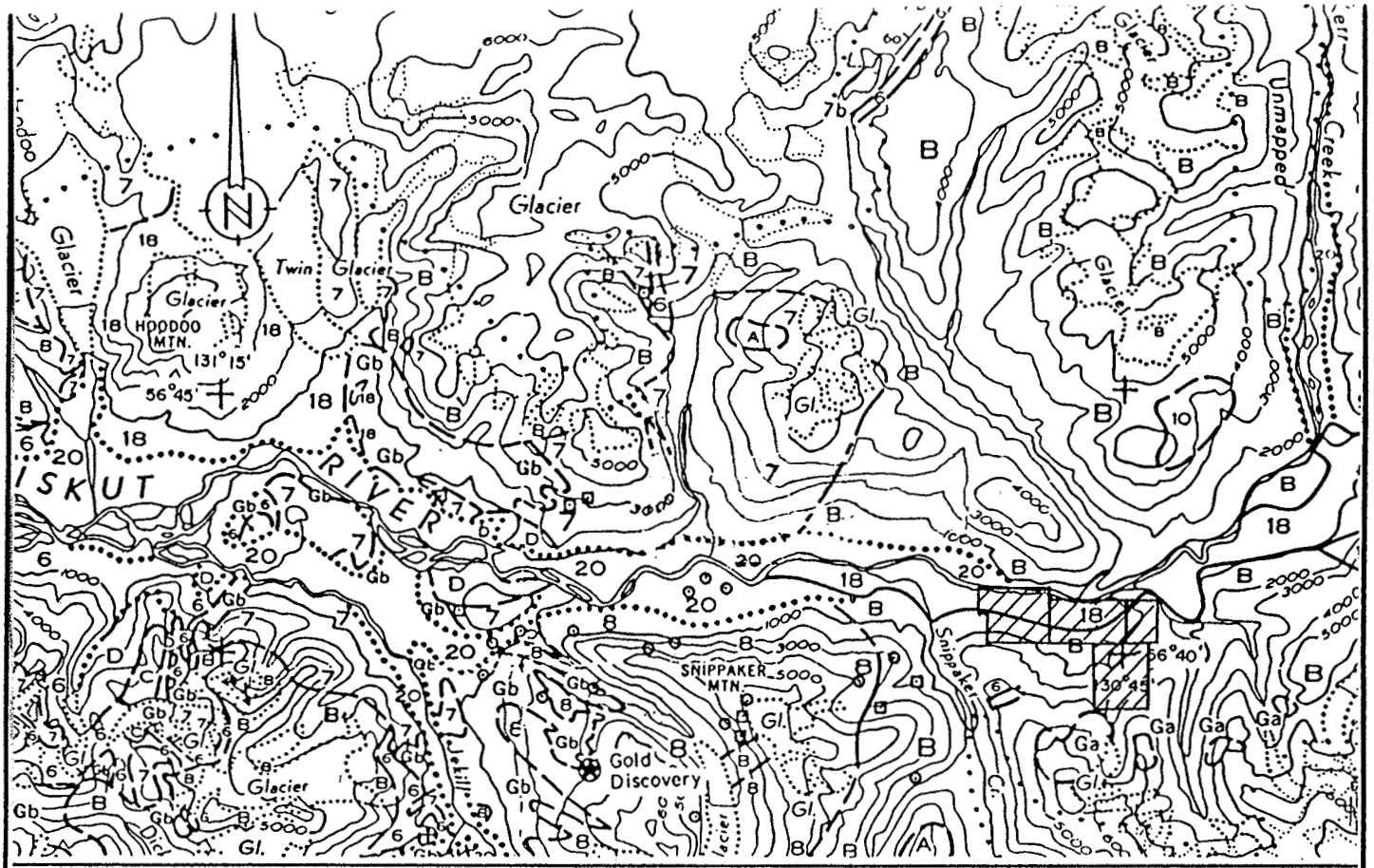
The area now occupied by the Cam 9 claim was formerly within the May 1 claim, which was held by Gulf International Minerals Ltd. In July and August of 1983, a brief investigation of this claim was undertaken by T. Cameron Scott et al for Gulf International Minerals Ltd. There is record of some stream sediment samples having been taken within this claim (Scott, 1983).

3.0 GEOLOGY

3.1 Regional Geology and Mineraliation

The subject property lies within the western most part of the Intermontane Tectonic Belt, close to the boundary of the Coastal Crystalline Tectonic Belt. As a result of the proximity of this area to a regional tectonic boundary, geologic relationships tend to be quite complex. The geology of this area has been studied by Kerr (1930, 1948), and by Grove (1986), and is represented in Geological Survey of Canada Maps 9-1957, 1418A and 1505A. Figure 3 in this report is a generalized map of regional geology for the area.

The oldest rocks in the area are complexly folded and metamorphosed schists and gneisses of probable mid-Paleozoic age. The metamorphism occurs within and adjacent to a plutonic system. The metamorphic rock is commonly overlain by a white to grey crystalline limestone which is believed to belong to a Late Paleozoic sedimentary sequence that includes some minor greenstone units. This oceanic assemblage is part of the Stewart Complex,



SEDIMENTARY and VOLCANIC ROCKS

QUATERNARY RECENT

- 20 — Unconsolidated glacial and fluvial clay, silt, sand, gravel; till; peat, muskeg.
- 18 — Olivine basalt, ash, cinders

UPPER JURASSIC and LOWER CRETACEOUS

- 12 — Argillite, greywacke, conglomerate, coal.

JURASSIC and/or EARLIER PRE-UPPER JURASSIC

- 10 — Mainly sedimentary rocks
- 9 — Mainly volcanic rocks; minor conglomerate; greywacke, argillite.

TRIASSIC

- 8 — Tuff, siltstone, limestone, conglomerate, breccia

PERMIAN and/or TRIASSIC

- 7 — Volcanic and sedimentary rocks undivided; 7b) mainly greywacke, siltstone, conglomerate

PERMIAN and (?) EARLIER

- 6 — Limestone, greenstone, chert, argillite, phyllitic quartzite, greywacke; meta-andesite and meta-diorite locally abundant near ultramafic bodies. May include younger greenstone.

INTRUSIVE ROCKS

- A — Felsite, felsite porphyry
- B — Mainly quartz monzonite, granodiorite, granite
- C — Mainly diorite; minor gabbro
- D — Granite porphyry, granophyre, syenite and related rocks

METAMORPHIC ROCKS

PERMIAN and/or EARLIER PRE MIDDLE PERMIAN

- G — Ga) Gneiss Gb) phyllite, quartzite, minor crystalline limestone, highly altered and sheared greywacke and volcanic rock.

Geological boundary (defined, approximate, assumed)

Bedding (inclined)

Heavy mineral concentrate

Mineral occurrence

0 5 10 15
kilometres

from GSC map 9-1957 w

NORMAN RESOURCES LTD.

JP3,4 & CAM9,10 CLAIMS

LIARD M.D. ; B.C.

REGIONAL GEOLOGY

HI-TEC RESOURCE MANAGEMENT LIMITED

By: G. KING		Date: Oct. '87
N.T.S. 104 - B/10		Figure: 3
Scale: 1 : 250,000		

a tectonic unit which has been correlated with the Cache Creek Group.

The principal component of the Intermontane Tectonic Belt in the Iskut River area is Mesozoic volcanic and sedimentary sequence. This was originally regarded as a Late Triassic sequence, relative with the time equivalent Stuhini Volcanics; a theory which is supported by the presence of Monotis fossils on the north slope of Snippaker Peak and to the west of Newmont Lake. Grove (1986), however, correlates this unit with the Middle Jurassic Unuk River Formation of the Stewart Complex.

On the north slopes of Johnny Mountain and Snippaker Peak, Paleozoic metasedimentary rocks are found to overlie the Mesozoic sequence. These apparently represent the upper plate of a regional, east-west trending thrust fault, which pushed up and over to the south in a manner similar to that of the King Salmon Thrust Fault.

In the Coast Crystalline Tectonic Belt, Paleozoic and Mesozoic sequences are commonly intruded by plutonic rocks of quartz monzonite to quartz diorite composition. These intrusions are Late Cretaceous to Early Tertiary in age. To the east of the main intrusive complex, smaller granitic plugs and stocks are prevalent.

Quaternary flows and ash deposits of olivine basalt are the youngest rocks in the area. Hoodoo Mountain is underlain by this unit, which also occurs in parts of the valleys of the Iskut River and Snippaker Creek.

The first mineral showing to be discovered in the western Iskut River area was located on Bronson Creek, two miles upstream from its confluence with the Iskut River. This is in the vicinity of the property cur-

rently being explored by the Delaware Resources-Cominco joint venture. The original showing was marked by a prominent zone of gossan and extensive alteration peripheral to an orthoclase porphyry intrusion. In this vicinity, there is a zone of sheared and altered volcanic and sedimentary rocks which is 3.2 kilometers long by 330 to 660 meters wide. In this alteration zone, pyrite abundances vary from fracture fillings and disseminations to nearly massive pyrite. Other sulfides which occur in lesser abundance include arsenopyrite, chalcopyrite, galena, sphalerite, tetrahedrite and molybdenite in fractures and quartz veinlets within and adjacent to the intrusion. Significant values of gold, copper and silver were revealed by early work on this zone.

Numerous quartz-sulfide veins and skarn deposits have been reported from various locations along the Iskut River. Low gold values, and good grades of silver, copper, lead and zinc have been reported from these. Mineralized float has been observed below several glaciers in the area.

Near the headwaters of Snippaker Creek, Silver Standard Mines Ltd. and later Sumitomo Metal Mining did extensive surface and underground work on a copper and nickel bearing gabbro intrusion. A total of 3.2 million tons of 0.80% nickel and 0.60% copper have been confirmed in this deposit. However, this has been a low priority target over the past several years, as a result of depressed base metal prices and the relative remoteness of the location.

The two most significant mineral deposits subject to current investigation in the Iskut River area are the Skyline Explorations Ltd. Reg property on the north

slope of Johnny Mountain and the Delaware Resources-Cominco Ltd. joint venture Snip property near Bronson Creek. These properties are only five kilometers apart and appear to be quite similar in nature.

At least seven auriferous, mineral rich quartz veins are known to occur on Skyline's Reg property. These are collectively known as the Stonehouse Gold Zone. This zone is hosted in an east-west striking, northerly dipping sequence of Jurassic volcaniclastics and porphyritic flows. A sequence of Middle Jurassic volcanic breccias and well stratified volcanic tuffs and sediments unconformably overlie the mineralized unit. Steeply dipping northeast trending fractures are the only known mineralization environment in the Stonehouse Gold Zone. These are developed in a zone some 4,700 feet long and 900 feet wide. The mineralized zones consist of pods, lenses and quartz veins which contain a variety of sulfide and sulfosalt mineralization in addition to native gold and electrum. Adjacent to the zones, extensive K-feldspar alteration occurs in the wallrock.

In addition to gold, copper and silver also occur in significant quantities. Grove (1986) estimated the known reserves at that time to be 938,446 tons grading 0.73 oz Au/ton, 0.85 oz Ag/ton and 0.76% Cu.

On the Delaware-Cominco joint venture's Snip property, four quartz-carbonate-pyrite shear veins with high gold values have been discovered. These strike 110^{o} to 120^{o} and dip 65^{o} to the southwest, and occur in Mesozoic tuffs and arenites that have been intruded by a dike-like orthoclase porphyry. Extensive K-feldspar, silica, and pyrite alteration is associated with these zones.

3.2 Property Geology

The lithology encountered on the JP-3 and 4, and Cam 10 claims is comprised almost exclusively of medium to coarse grained plutonic material of granitic to granodioritic composition. This is the material which forms the series of low ridges and knolls which run sub-parallel to the Iskut River. Localized zones of intense epidotization occur occasionally in the plutonic complex, but aside from this, alteration is generally not well developed. Some very minor doleritic and aplitic dykes were found intruding the plutonic material. With the exception of these, however, the lithology of this area of the property is quite homogenous.

In those areas of the JP-3 and JP-4 claims which lie immediately adjacent to the Iskut River, there are outcroppings of a Quaternary olivine basalt. These occur as the sixty meter high vertical cliffs which rise above the river. The basalt is a dark grey, homogenous material with some small olivine phenocrysts. Columnar jointing is commonly well developed in this material.

Most of the Cam 9 claim is underlain by a sedimentary sequence which has been intruded by at least three small igneous bodies of variable composition and texture. There is a prominent, massive layer of grey-white crystalline limestone which appears to occur as a regional marker horizon across the claim. Within the Cam 9 claim area, this unit was generally found to be striking approximately east-west, and dipping at 40^{o} to 50^{o} to the north.

A moderately to intensely altered sequence of argillites, cherts and minor andesites occupies much of the remainder of the claim. Propylitization and silici-

fication are pervasive throughout much of the unit, and pyritization is ubiquitous in the southwest corner of the claim. Actinolite-garnet skarns are commonly well developed in limestones adjacent to intrusives, especially within the valley which transects the south-central portion of the claim from north to south. Magnetitie skarn has also been located in this area, and in one instance, a two meter thick layer of massive magnetite was discovered in outcrop.

Medium grained arkosic to arenaceous sediments occur in the southeastern corner of the Cam 9 claim. These appear to be in gradational contact with argillites.

Several small intrusions occur within the Cam 9 claim. The most significant of these is a distinct hornblende granodiorite which is spatially associated with most of the significant occurrences of skarn-hosted mineralization on the property. Similar plutonic material was found associated with sulphide mineralization elsewhere in the region. This granodiorite has a distinctly inequigranular texture, which suggests a protracted cooling history.

At least two minor intrusions of quartz monzonite to granodioritic composition occur in the southwestern part of the Cam 9 claim. There is also a fine grained felsic intrusion which outcrops near the southwest corner of the claim. Small dykes of doleritic to basaltic composition occur sporadically in the southern part of the Cam 9 claim.

A great deal of structural complexity may be inferred from the geology of the Cam 9 claim, although structural relations are far from obvious. Repeated thrusting events which were centered over the Iskut River probably

represent the dominant structural control for the area in which this property lies.

3.3 Mineralization

The most significant occurrences of sulphide mineralization on the property are found in the valley which transects the south central area of the Cam 9 claim from north to south. Here, semi-massive to massive occurrences of pyrite, chalcopyrite and sphalerite are found within skarn horizons in limestone. Pyrite cubes of over 1 centimeter across were found on one occasion. Sphalerite occurences were generally fine-grained, massive and brown in color.

Sulphide mineralization generally occurs in small, localized pods of irregular shape. These average about one meter in diameter. The most common environment for sulphide mineralization appears to be within argillaceous horizons in the skarn.

Very high assay values of up to ten percent copper and sixteen percent zinc were recorded from rock grab samples taken from some of these zones, along with anomalous values in gold, silver, arsenic and antimony.

Elsewhere in the property, sulphide mineralization is generally confined to minor developments of pyrite in shear zones and fractures. However, in the southeast corner of the Cam 9 claim, there are a series of quartz veins which occur near a contact between granodiorite and arkosic sediments. Pyrite occurs in all of these, and chalcopyrite, galena and molybdenite are found in some. Rock grab samples taken from these veins yielded dissappointingly low assay values in gold and silver, but anomolous values in copper and lead were recorded.

There veins vary from 3 to 10 centimeters in width and generally strike in an easterly direction, with steep to near vertical dips of variable direction.

4.0 PROPERTY GEOCHEMISTRY

The objective of the 1987 program was to identify areas of interest on the property on which to focus future exploration efforts. A total of 120 rock grab samples, 101 soil samples and 32 stream sediment samples were taken on the JP 3 and 4, and Cam 9 and 10 mineral properties.

The soil sampling program involved the establishment of 4 contour soil lines on the west side of the valley which transects the Cam 9 claim from north to south. Samples 87GGS 076-095 were taken on 2200 foot level, and samples 87GGS 133-150 were taken on that same level to the north. On the 2600 foot level, samples 87GGS 040-075 were taken, and samples 87GGS 110-132 were taken on the 2900 foot level.

All sample locations were flagged and labelled, and samples of reddish-brown B horizon soil were obtained wherever possible.

An effort was made during the 1987 field season to collect stream sediment samples from all drainages on the property. These samples generally consisted of silt and/or fine sand taken from stream beds. Pan concentrates were taken in situations where sediment volume was sufficient to make panning practical.

Rock grab samples were taken in the course of the prospecting and geological mapping program. These

samples generally contained sulphide mineralization and a majority of them were procured from quartz veins and stringers.

All samples collected were analyzed for gold, copper, lead, zinc, silver, arsenic and antimony at Min-En Laboratories Ltd. of 705 West 15th Street, North Vancouver, B.C.

All geochemistry results are presented in Appendix I. Sample locations and assay values are shown in Figures 4, 5 and 6.

4.1 Discussion of Geochemical Results

4.1.1 Rock Geochemistry

Anomalous precious and base metal assay values were recorded in many of the rock grab samples taken on the property. Results for each analyzed element are discussed below:

Gold: Twenty rock grab samples yielded gold assay values in excess of 20 ppb. An exceptionally anomalous value of 1700 ppb was recorded in sample 87-NSR-017.

Silver: Silver values exceeding 4 ppm were recorded in twenty-two of the rock grab samples. The highest silver value was 187.5 ppm (5.95 oz/ton), which was recorded in sample 87-NKR-057.

Arsenic: Fifteen of the rock grab samples yielded arsenic values in excess of 25 ppm. The highest value was 101 ppm arsenic, recorded in sample 87-NKR-022.

Antimony: Anomalous antimony values exceeding 8 ppm were recorded in five samples. The highest antimony value was 147 ppm, which was recorded in sample 87-NKR-057.

Copper: Thirty-six of the rock grab samples yielded copper values in excess of 300 ppm. Four of these were over 10,000 ppm (1 percent) copper. The highest recorded copper values was 109,934 ppm (almost 11 percent) in sample 87-NKR-057, which was a polymetallic anomaly.

Zinc: Twenty-one of the rock grab samples yielded anomalous values in zinc exceeding 300 ppm. Four of these were in excess of one percent zinc, and the highest value was 163,011 ppm (16.3 percent zinc) was recorded in sample 87-NSR-016.

4.1.2 Soil Geochemistry

Anomalous precious and base metal values were recorded in several of the soil samples. Results for each analyzed element are discussed below:

Gold: Twenty-five soil samples yielded assay values in excess of 20 ppb. Seven of these were very anomalous: sample 87-NGS-066, 130 ppb; sample 87-NGS-078, 415 ppb; sample 87-NGS-083, 605 ppb; sample 87-NGS-087, 510 ppb; sample 87-NGS-093, 135 ppb; sample 87-NGS-117, 240 ppb; sample 87-NGS-138, 250 ppb.

Silver: Five of the samples yielded anomalous assay values in silver. These were: 87-NGS-048, 3.9 ppm; 87-NGS-076, 5.1 ppm; 87-NGS-127, 4.9 ppm; 87-NGS-143, 3.8 ppm; 87-NGS-147, 4.2 ppm.

Arsenic: A highly anomalous arsenic value of 147 ppm was recorded in sample 87-NMS-003.

Antimony: A slightly anomalous antimony value of 9 ppm was recorded in sample 87-NGS-131.

Copper: Five of the samples yielded anomalous copper values. These were: 87-NMS-1, 494 ppm; 87-NGS-117, 411 ppm; 87-NGS-122, 416 ppm; 87-NGS-127, 403 ppm, 87-NGS-131, 336 ppm.

Lead: A highly anomalous lead value of 610 ppm was recorded in sample 87-NMS-003.

Zinc: Anomalous assay values exceeding 600 ppm zinc were recorded from six of the soil samples. These were: 87-NGS-117, 1011 ppm; 87-NGS-122, 1120 ppm; 87-NGS-126, 603 ppm; 87-NGS-127, 2748 ppm; 87-NGS-129, 769 ppm; 87-NGS-131, 697 ppm.

4.1.3 Stream Sediment Geochemistry

A few of the stream sediment samples taken on the property yielded anomalous values in base and precious metals. Results for each analyzed element are discussed below:

Gold: Six of the stream sediment samples taken yielded assay values over 100 ppb gold. The highest value was 285 ppb in sample 87-NML-1.

Silver: There was one slightly anomalous silver value recorded: 2.9 ppm in sample 87-NML-014.

Arsenic: There were no significant arsenic anomalies recorded in the stream sediment samples from the

property. The highest arsenic value was 23 ppm in sample 87-NKR-048.

Antimony: There was one slightly anomalous antimony value: 7 ppm in sample 87-NKR-048.

Copper: There were no significant copper anomalies. The highest copper value 144 ppm, was recorded in sample 87-NML-012.

Lead: Three samples yielded anomalous lead assay values: 87-NML-012, 73 ppm; 87-NML-013, 59 ppm; and 87-NML-014, 50 ppm.

Zinc: There was one highly anomalous zinc assay value recorded: 965 ppm in sample 87-NSL-019.

5.0 CONCLUSIONS

The JP-3 & 4 and Cam 10 claims appear to be underlain almost entirely by plutonic rock of granitic to granodioritic composition. No significant mineralization occurrences were discovered on any of these claims during the 1987 exploration program.

The Cam 9 claim is underlain by a sedimentary sequence with some minor volcanic constituents. This sequence is intruded by at least three small igneous bodies, the most important of which is a distinct inequigranular hornblende granodiorite which is commonly found in proximity with occurrences of skarn-hosted mineralization. These mineralized skarns commonly contain pods of semi-massive to massive pyrite, chalcopyrite and sphalerite. Values of up to eleven percent copper and sixteen percent zinc, along with anomalous precious

metal values have been recorded in samples of this material.

The author recommends that further exploration work be undertaken on the property, with special emphasis on the Cam 9 claim in order to further evaluate the extent of the base and precious metal occurrences.

6.0 RECOMMENDATIONS

In light of the obvious potential for skarn-hosted base and precious metal deposits on the Cam 9 claim, a thorough geochemical and geophysical examination of selected areas of this claim should be undertaken. The author recommends that a program of soil geochemistry be conducted on either side of the valley that transects the south central part of the Cam 9 claim from north to south wherever topographic conditions allow for accessibility. Ground Mag and EM surveys should also be undertaken here.

Soil geochemistry and ground geophysics should also be conducted over the entire area of the claim which lies to the west of the major valley, as there is virtually no outcrop in this area, but encouraging results have been obtained stream sediment geochemistry.

Some further reconnaissance mapping and prospecting might be considered in the western part of the JP-3 claim, and the eastern part of the Cam 10 claim, as these areas did not receive comprehensive coverage during the 1987 program.

A program of airborne geophysics might be considered for the entire property.

Respectfully submitted,

HI-TEC RESOURCE MANAGEMENT LTD.

George R. King

George R. King, B.Sc.,
Geologist

APPENDIX I

References

REFERENCES

Carter, N.C. (1987). Geological Report on the Ian 1-4 Mineral Claims, Iskut River Area, Liard Mining Division, British Columbia, Private Report for Ashburton Oil Ltd.

Carter, N.C. (1987). Geological Report on the Ian 6 and 8 Mineral Claims, Iskut River Area, Liard Mining Division, British Columbia. Private Report for Vanstates Resources Ltd.

Caulfield, David A. and Ikona, Charles K. (1987). Geological report on the New 7 & 8 Mineral Claims, Iskut River area, Liard Mining Division. Private Report for Ticker Tap Resources Ltd.

Grove, E.W. (1986). Geological Report, Exploration and Development Prospect on the Skyline Explorations Ltd. Rey Property, Iskut River Area, Northwestern, B.C., Liard Mining Division. Private Report for Skyline Explorations Ltd.

Geological Survey of Canada (1957). Stikine River area, Cassiar District, British Columbia, Map 9-1957.

Poloni, John R. (1987). Report on the Hag 2, 4, and 8 Mineral Claims, Iskut River area, Liard Mining Division, British Columbia, Private Report for Cove Energy Corporation.

Scott, T. Cameron (1983). Geological, Geochemical and Prospecting Report on the Josh, Josh 2-4 and May 1 to 4 Mineral Claims for Gulf International Minerals.

Sorbara, J.P. & Associates (1987). Geological Report on the Joy 1 & 2 Mineral Claims, Liard Mining Division, British Columbia. Private Report for Brenwest Mining Limited.

Strain, D.M. (1981). Geological and Geochemical Report on the Bax Claims, Liard Mining Division, British Columbia. BCMEMPR Assessment Report, 1188.

Toduruk, S.L. and Ikona, C.K. (1987). Geological Report on the CAM 5 and 6 Mineral Claims, Iskut River area, Liard Mining Division. Private Report for Gigi Resources Ltd.

Toduruk, S.L. and Ikona, C.K. (1987). Geological Report on the JP 3 and 4 and Cam 9 & 10 Mineral Claims, Iskut River Area, Liard Mining Division. Private Report for Norman Resources Ltd.

APPENDIX II

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, GEORGE R. KING, of Suite 5, 736 West 14th Avenue, Vancouver, British Columbia, do hereby certify:

1. That I am a geologist in the employment of Hi-Tec Resource Management Ltd., with offices at Suite 1500 - 609 Granville Street, Vancouver, British Columbia.

2. That I am a graduate from the University of Saskatchewan in Saskatoon (1985) with a Bachelor of Science Degree in Geology.

3. That my primary employment since 1981 has been in the field of mineral exploration.

4. That my experience has encompassed a wide range of geologic environments, and has allowed considerable familiarization with geological mapping, prospecting, geochemical and geophysical techniques.

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

6) That I hereby grant permission to Norman Resources Ltd. for the use of this report in any prospectus or other documentation required for any regulatory authority.

Dated at Vancouver, British Columbia this 3rd day of December, 1987.

George R. King

George R. King, B.Sc.,
Geologist

APPENDIX III

Geochem Results and Laboratory Analytical Methods

GEOCHEM RESULTS AND LABORATORY ANALYTICAL METHODS

After intial preparation, all samples were analyzed by the Inductively Coupled Plasma (ICP) method for Ag, As, Cu, Pb, Sb and Zn. Gold was determined by the fire assay and atomic absorption method.

After drying soil and stream sediment samples at 95°C, they were screened with an 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. For some of the silt samples, 40 mesh or 20 mesh sieves were used. Rock samples were put through a jaw crusher and a ceramic-plotted pulverizer.

For ICP analyses, 1.0 gram of sample material was digested for 6 hours with a hot HNO_3 - $HClO_4$ mixture. After cooling, samples were diluted to a standard volume. The solutions were then analyzed by a computer-operated Jarrell Ash ICP Analyzer. Reports are formated by a route computer dotline printout.

For Au analyses, a suitable sample weight of 15 or 30 grams was fire assay preconcentrated. Samples were then digested with an Aqua Regia solution and then taken up to suitable volume by adding a 25% HCl solution. Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with methyl iso-butyl ketone. Gold is analyzed by Atomic Absorption instruments using a suitable standard solution. The detection limit is 1 ppb.

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
B7NGR1	.2	3	3	6	1	36	5
B7NGR2	.3	8	2	8	2	35	3
B7NGR5	.6	10	2	5	1	26	2
B7NGR6	.5	12	8	11	2	45	4
B7NGR7	1.1	12	7	8	2	24	3
B7NGR10	.5	6	3	3	1	14	2
B7NGR11	1.3	10	8	6	1	21	4
B7NGR16	1.9	19	72	21	3	50	3
B7NGR17	.8	8	3	10	2	39	2
B7NGR18	.7	10	56	4	2	34	3
B7NGR19	1.1	8	34	5	2	8	3
B7NGR21	.7	8	19	10	1	31	2
B7NGR24	.9	9	6	5	2	45	4
B7NGR25	1.4	10	15	9	1	53	3
B7NGR26	2.3	10	10	7	3	34	2
B7NGR27	.4	9	5	3	2	24	2
B7NGR28	3.0	11	1414	11	1	98	84
B7NGR96	2.3	2	1359	4	5	36	45
B7NGR97	1.3	9	70	2	1	28	2
B7NGR98	1.7	6	551	1	4	33	5
B7NGR99	1.3	16	90	3	2	36	1
B7NGR100	1.4	12	89	3	4	36	1
B7NGR101	.7	8	102	2	1	74	2
B7NGR102	1.6	2	101	8	2	66	2
B7NGR103	1.5	10	90	3	2	78	1
B7NGR104	1.5	13	161	10	2	32	2
B7NGR105	1.8	1	369	7	3	44	3
B7NGR106	2.2	13	515	13	4	82	2
B7NGR107	2.3	3	988	26	1	48	12
B7NGR108	4.8	4	558	27	1	63	48
B7NGR109	3.0	42	694	4	2	83	4

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
87NKR1	3.2	14	259	49	3	1158	7
87NKR2	1.8	12	157	13	3	20	4
87NKR3	1.0	14	7	11	3	45	3
87NKR4	1.0	6	13	10	2	27	4
87NKR5	1.0	11	38	14	1	136	3
87NKR6	.7	14	75	6	2	44	8
87NKR7	.8	5	5	6	1	13	4
87NKR8	1.1	8	4	5	1	7	2
87NKR9	1.2	13	22	7	1	9	3
87NKR10	1.3	10	4	7	2	12	2
87NKR11	1.8	9	73	9	1	26	3
87NKR12	.8	12	3	10	1	63	3
87NKR13	1.1	7	9	11	2	28	5
87NKR14	1.8	15	37	7	3	115	4
87NKR15	.4	1	6	5	1	27	3
87NKR16	1.6	11	15	13	2	111	2
87NKR17	4.9	28	207	34	2	31	340
87NKR18	2.2	13	33	17	3	84	5
87NKR019	2.1	18	97	22	1	399	4
87NKR020	1.9	6	162	15	4	915	26
87NKR21	8.6	54	1677	56	8	659	10
87NKR22	43.9	101	6794	159	7	53255	93
87NKR23	4.2	25	34	7	6	182	5
87NKR24	18.3	91	1950	149	1	32226	26
87NKR26	.5	18	39	18	4	159	10
87NKR27	1.3	10	54	5	2	400	5
87NKR28	2.6	10	268	7	1	21	3
87NKR29	25.2	63	1550	206	1	427	8
87NKR30	1.1	6	115	7	3	21	4
87NKR31	1.0	56	63	6	7	29	3
87NKR32	3.1	30	494	29	6	101	3
87NKR33	3.5	31	2067	19	8	47	30
87NKR34	26.5	14	12729	30	12	94	25
87NKR35	.6	14	127	4	1	15	8
87NKR36	.7	12	69	8	1	9	4
87NKR37	1.1	8	23	9	3	66	3
87NKR38	1.0	2	131	9	1	41	2
87NKR40	1.1	14	79	2	8	43	2
87NKR41	1.0	16	15	3	1	22	1
87NKR42	8.7	7	12581	50	12	478	50
87NKR43	.2	15	128	3	3	69	4
87NKR44	.7	5	65	13	3	85	3
87NKR45	.6	24	151	7	2	77	6
87NKR46	.2	14	53	10	2	101	3
87NKR47	1.0	7	8	2	1	82	2
87NKR48	.7	8	10	22	2	152	2
87NKR49	1.4	5	33	13	4	85	1
87NKR50	.6	7	18	2	1	64	4
87NKR51	4.2	14	589	16	2	111	11
87NKR52	1.5	8	24	7	2	27	3
87NKR53	1.3	9	1014	10	1	42	3
87NKR54	1.3	18	427	28	2	1116	10
87NKR55	1.5	11	311	16	1	294	59
87NKR56	100.2	66	64928	118	77	5615	57
87NKR57	187.5	9	109934	226	147	2694	110
87NKR58	4.7	8	1637	29	2	223	11

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
87NMR1	1.9	7	310	9	3	17	4
87NMR2	1.2	12	8	7	2	88	3
87NMR3	1.5	18	141	4	2	38	2
87NMR4	1.4	7	97	7	2	17	4
87NMR5	1.6	10	144	7	4	87	5
87NMR6	1.8	11	84	5	1	45	3
87NMR7	1.5	17	26	11	1	29	105
87NMR8	1.7	18	34	15	3	198	6
87NMR9	40.8	62	809	168	7	2162	78
87NMR10	2.4	13	10	46	8	60	5
87NMR11	1.4	15	13	13	3	83	4
87NMR012	.7	20	80	10	1	39	3
87NMR013	.9	10	36	8	1	20	3
87NMR014	2.4	8	52	7	4	40	2
87NMR015	2.5	9	40	8	1	10	4
87NMR016	2.9	8	127	9	5	25	3
87NMR017	2.1	7	95	20	1	7	4
87NMR018	2.9	10	67	5	4	48	4
87NMR019	3.2	13	41	3	1	24	8
87NMR020	2.5	12	40	21	4	30	6
87NMR021	2.5	9	39	6	3	34	3
87NMR022	2.8	11	49	15	1	15	2
87NMR023	2.6	7	57	8	3	26	2
87NMR024	1.7	5	21	25	1	8	4
87NMR025	1.2	7	11	7	3	2	3
87NMR026	2.6	9	531	4	1	15	2
87NMR027	4.1	20	935	13	1	54	15
87NMR028	5.4	70	687	21	1	76	3
87NMR029	3.4	64	178	11	1	22	3
87NMR031	6.1	25	179	47	2	22	25
87NMR35	1.9	3	7739	14	8	39	14
87NMR39	2.7	16	393	18	8	104	10
87NMR41	.8	18	51	14	3	80	5
87NMR 42	1.8	2	132	28	5	2599	
87NMR 43	.3	8	40	4	1	68	
87NMR 44	2.8	12	163	26	5	1020	
87NMR 45	4.2	8	217	46	4	6609	
87NMR 46	2.4	2	311	25	1	887	
87NMR 47	1.5	5	10	13	3	42	

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN
B7NKR 59	.2	2	36	11	1	9
B7NKR 60	1.4	6	229	4584	6	39
B7NKR 61	.2	5	42	144	1	49
B7NKR 62	.1	1	11	19	2	7
B7NKR 63	.3	16	5	7	4	23
B7NKR 64	.4	9	7	9	1	5
B7NKR 65	.4	1	50	4	1	5
B7NKR 66	1.3	3	1428	9	4	4
B7NKR 67	2.8	3	193	25	3	10
B7NKR 68	.8	2	15	15	3	24

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
87NSR001	2.2	11	208	10	3	36	5
87NSR002	11.2	60	2103	15	1	1035	2
87NSR003	.7	4	14	6	1	29	4
87NSR004	2.5	12	92	10	1	35	4
87NSR005	1.3	9	34	10	1	32	8
87NSR006	1.4	15	123	19	5	86	3
87NSR007	1.3	9	24	14	2	108	4
87NSR008	1.4	6	137	9	1	19	7
87NSR009	21.1	54	3205	156	5	48422	83
87NSR11	.9	10	19	4	3	19	2
87NSR13	7.6	12	112	39	6	136	80
87NSR14	1.9	4	3581	6	3	17	5
87NSR15	1.4	5	62	17	2	142	8
87NSR16	58.4	10	8207	379	30	163011	100
87NSR17	1.4	12	70	32	2	1361	1700

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524 TELEX: VIA USA 7601067

Certificate of ASSAY

Company: GALVESTON EXPL./HI TEC RESOURCES
Project: 87 BC 016
Attention: P. SORBARA

File: 7-1223/P1
Date: SEPT 3/87
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
87 NMR 42	.01	0.001
87 NMR 43	.02	0.001
87 NMR 44	.01	0.001
87 NMR 45	.01	0.001
87 NMR 46	.05	0.001
87 NMR 47	.01	0.001
87 NKR 59	.02	0.001
87 NKR 60	.01	0.001
87 NKR 61	.09	0.003
87 NKR 62	.03	0.001
87 NKR 63	.02	0.001
87 NKR 64	.01	0.001
87 NKR 65	.01	0.001
87 NKR 66	.02	0.001
87 NKR 67	.18	0.005
87 NKR 68	.14	0.004

Certified by

MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 760106

Certificate of GEOCHEM

Company:GALVESTON EXPLORATIONS/HI-TEC RESOURCE
Project:ISKUT R. 87BC016
Attention:CHET IDZISZEK/P.SORBARA

File:7-710/P1
Date:JULY 7/87
Type:PAN CONC.

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB
87NGP3	7
87NGP9	2
87NGP12	1
87NGP20	2
87NGP22	23

Certified by

MIN-EN LABORATORIES LTD

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
B7NGL4 40M	.6	7	26	16	2	110	5
B7NGL13 40M	.7	8	47	8	3	109	5
B7NGL14	.9	6	66	24	2	113	165
B7NGL15	1.0	10	79	16	2	104	40
B7NGL23	1.2	9	63	16	2	99	40
B7NKL1	1.4	10	63	26	3	94	10
B7NKL025	.1	8	60	6	2	106	4
B7NML1	.8	6	56	19	2	94	285
B7NML2 40M	1.3	11	90	27	2	318	130
B7NML3 20M	1.1	11	92	14	1	199	5
B7NML4	1.5	10	62	29	2	98	120
B7NML5 40M	.7	5	26	7	2	77	5
B7NML6 20M	.4	8	71	10	2	202	5
B7NML7 20M	1.0	17	40	9	3	253	5
B7NML8 20M	.6	3	14	4	2	101	5
B7NML9	1.5	9	100	39	2	216	10
B7NML10 40M	1.0	10	22	8	1	110	5
B7NML11	1.1	12	72	29	2	176	20
B7NML12	2.8	20	144	73	3	255	45
B7NML13	2.6	20	124	59	3	222	175
B7NML14	2.9	19	123	59	1	223	170
B7NML40 40M	1.5	12	102	42	2	295	30
B7NML40B20M	1.3	23	10	18	7	35	5
B7NSL 18	.7	11	103	28	2	446	10
B7NSL 19	2.5	3	136	38	3	965	5

(PPM)	B7NKL 39	B7NSL 10	B7NSL 12	B7NML 34	B7NML 36	B7NML 37	B7NML 38
AG	.8	.9	1.0	.8	1.3	1.6	1.2
AS	15	21	1	8	10	8	1
CU	108	84	62	73	73	69	66
PB	31	14	15	6	22	10	12
SB	2	2	3	4	3	4	3
ZN	534	168	127	236	393	202	218
AU-PPB	5	5	10	5	5	5	10

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
87NGS8	.7	12	84	13	3	145	65
87NGS 040	.7	12	104	30	1	122	5
87NGS 041	.5	11	63	24	2	107	5
87NGS 042	.8	7	26	18	1	48	5
87NGS 043 40M	.8	10	21	22	1	45	5
87NGS 044	1.0	9	15	11	1	39	5
87NGS 045	.4	9	17	7	2	74	10
87NGS 046	1.3	13	17	9	1	38	40
87NGS 047	1.7	17	18	8	1	45	5
87NGS 048	3.9	22	91	5	1	286	15
87NGS 049	1.9	11	18	15	1	28	10
87NGS 050	1.5	13	27	7	1	36	5
87NGS 051	2.8	13	87	8	1	220	5
87NGS 052	.9	13	238	6	1	141	5
87NGS 053	1.9	15	91	14	1	513	5
87NGS 054	.9	12	31	9	1	71	15
87NGS 055 40M	1.0	10	25	13	1	66	35
87NGS 056	.8	8	18	14	1	54	10
87NGS 057	3.0	13	27	11	1	33	5
87NGS 058	1.2	7	24	12	1	49	5
87NGS 059	1.9	17	32	19	1	55	10
87NGS 060	1.5	10	24	20	1	80	5
87NGS 061	1.5	12	22	10	1	33	5
87NGS 062	1.2	10	16	7	1	46	10
87NGS 063	1.4	11	21	5	1	54	5
87NGS 064	2.5	13	21	11	1	40	5
87NGS 065	1.7	12	30	13	1	74	5
87NGS 066	3.4	33	124	59	1	305	130
87NGS 067	2.3	18	58	48	1	210	35
87NGS 068	.9	15	67	42	1	179	60
87NGS 069	.9	16	54	41	1	170	10
87NGS 070	1.1	13	55	36	1	166	10
87NGS 071	1.3	16	100	49	2	240	45
87NGS 072	2.0	17	113	67	2	267	40
87NGS 073	1.9	11	98	46	2	176	85
87NGS 074	2.0	20	130	56	1	310	10
87NGS 075	2.1	20	164	66	1	330	15
87NGS 076	5.1	24	166	66	2	558	5
87NGS 077	1.5	13	62	26	1	157	35
87NGS 078	1.4	14	76	35	1	266	415
87NGS 079	1.2	9	60	25	1	171	30
87NGS 080	1.3	11	68	26	1	154	10
87NGS 081	1.8	16	116	37	1	322	85
87NGS 082	1.7	18	138	45	1	336	55
87NGS 083	1.3	10	44	28	1	114	605
87NGS 084	1.7	14	48	30	1	138	20
87NGS 085	1.3	13	92	28	2	210	25
87NGS 086	1.3	11	81	31	1	232	10
87NGS 087	1.4	13	45	25	1	124	510
87NGS 088	.9	11	44	29	1	111	40
87NGS 089	1.4	11	47	26	1	141	5
87NGS 090	.7	14	52	27	1	87	5
87NGS 091	1.6	15	80	46	1	133	5
87NGS 092	2.4	15	57	21	2	141	5
87NGS 093	1.9	17	66	40	1	153	135
87NGS 094	2.6	26	137	67	1	290	5
87NGS 095	2.1	15	108	38	1	173	35

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
87NGS 110	2.1	23	38	16	4	68	5
87NGS 111	1.8	18	33	19	3	167	5
87NGS 112	2.3	32	91	11	2	121	5
87NGS 113	.9	22	59	4	3	167	20
87NGS 114	1.9	21	34	8	2	113	10
87NGS 115	1.5	29	39	13	3	76	5
87NGS 116	1.3	14	194	30	5	245	20
87NGS 117	2.1	37	411	109	4	1011	240
87NGS 118	.4	15	96	25	3	151	10
87NGS 119	1.3	21	48	27	5	153	5
87NGS 120	1.2	11	123	34	5	146	20
87NGS 121	2.3	7	50	3	4	138	10
87NGS 122	.9	46	416	47	2	1120	10
87NGS 123	.7	27	84	33	5	177	5
87NGS 124 40M	.9	1	112	31	6	210	5
87NGS 125	.8	32	80	38	2	210	5
87NGS 126	1.2	4	149	56	5	603	5
87NGS 127	4.9	25	403	115	4	2748	30
87NGS 128	1.3	6	93	37	1	461	5
87NGS 129	1.8	14	229	72	7	769	5
87NGS 130	.8	20	106	28	6	178	5
87NGS 131	1.4	19	336	114	9	697	10
87NGS 132	3.3	8	242	135	4	373	30
87NGS133	.8	1	112	64	1	271	5
87NGS134	.9	13	74	33	3	197	5
87NGS135	1.1	5	125	33	4	231	10
87NGS136	1.1	8	83	29	2	139	5
87NGS137	1.5	10	106	32	4	237	5
87NGS138	1.5	2	103	33	4	205	250
87NGS139	1.3	13	188	73	5	405	60
87NGS140	1.5	5	125	26	6	209	5
87NGS141	1.8	26	141	50	5	219	15
87NGS142	2.6	5	26	23	6	62	10
87NGS143	3.8	5	44	31	4	101	5
87NGS144	1.5	26	78	16	6	125	20
87NGS145	1.5	5	64	22	5	98	10
87NGS146	1.4	5	25	4	7	62	20
87NGS147	4.2	2	29	24	7	77	5
87NGS148	1.4	2	9	13	8	29	10
87NGS149	1.0	8	13	10	7	39	5
87NGS150	1.2	10	7	16	8	15	5
87NMS1	1.6	15	494	18	2	97	40
87NMS2	.8	11	49	18	1	96	10
87NMS 003	2.2	147	192	610	3	488	10

APPENDIX IV-A

Statistical Analysis of Data for Soil Geochem Survey

MIN-EN LABORATORIES LTD.
SPECIALISTS IN MINERAL ENVIRONMENTS
705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEX: 04-352028 PHONE:(604)980-5814 OR (604)988-4524

CORRELATION COEFFICIENTS

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:

DATE:NOV 13/87
SAMPLE TYPE:SOIL
ANALYSIS TYPE:ICP

THE TABLE BELOW REPRESENTS THE PEARSON CORRELATION MATRIX, SHOWING THE INTER-ELEMENT CORRELATION COEFFICIENTS. THOSE VALUES THAT EXCEED THEIR CRITICAL VALUE FOR .01 LEVEL OF SIGNIFICANCE ARE SHOWN IN DARKER PRINT AND UNDERLINED.

	AG	AS	CU	PB	SB	ZN	AU
AG	1.000	.156	.211	.188	.077	**.389**	-.009
AS		1.000	**.308**	**.846**	-.016	**.264**	-.011
CU			1.000	**.360**	.226	**.700**	.053
PB				1.000	.106	**.336**	.021
SB					1.000	.165	-.171
ZN						1.000	.046
AU							1.000

MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON AG

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:

DATE:NOV 13/87
SAMPLE TYPE:SOIL
ANALYSIS TYPE:ICP

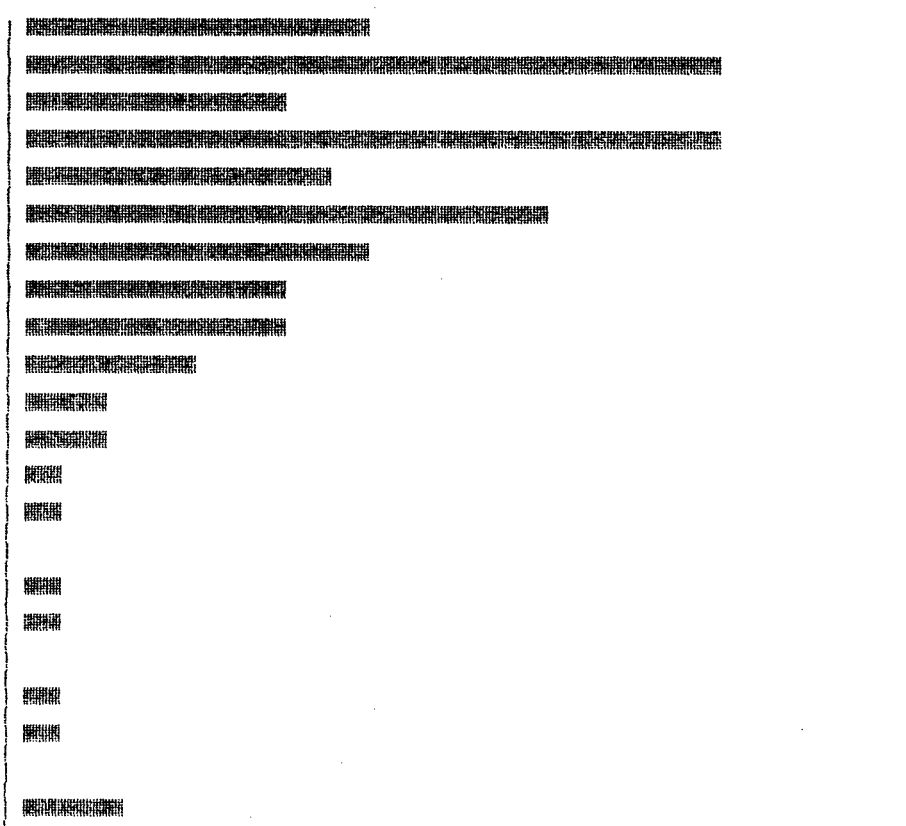
NUMBER OF SAMPLES:	101
MAXIMUM VALUE:	5.10 PPM
MINIMUM VALUE:	.40 PPM
MEAN:	1.62 PPM
STD. DEVIATION:	.88 PPM
COEFF. OF VARIATION:	.54

5 HIGHEST AG VALUES:

87NGS 076	5.1 PPM
87NGS 127	4.9 PPM
87NGS147	4.2 PPM
87NGS 048	3.9 PPM
87NGS143	3.8 PPM

HISTOGRAM FOR AG CLASS INTERVAL = .17

MID CLASS PPM	CLASS %
< .80	7.92
.89	15.84
1.06	5.94
1.23	15.84
1.40	6.93
1.57	11.88
1.74	7.92
1.91	5.94
2.08	5.94
2.25	3.96
2.42	1.98
2.59	1.98
2.76	.99
2.93	.99
3.10	0.00
3.27	.99
3.44	.99
3.61	0.00
3.78	.99
3.95	.99
4.12	0.00
> 4.20	2.38



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

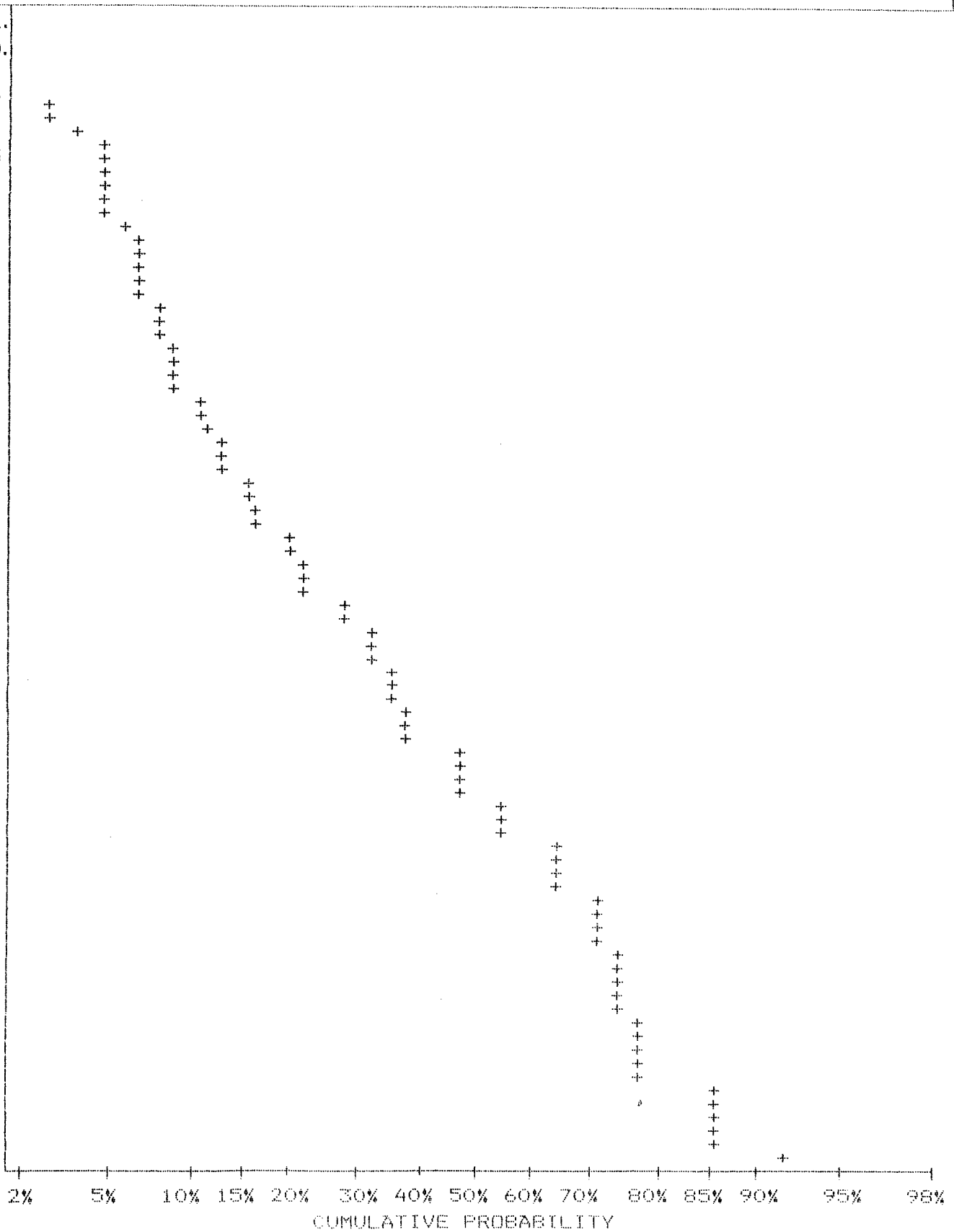
TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON AG

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:

DATE:NOV 13/87
SAMPLE TYPE:SOIL
ANALYSIS TYPE:ICP

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
4.03	2.97
3.86	3.96
3.71	4.95
3.56	4.95
3.41	4.95
3.27	6.93
3.14	6.93
3.01	6.93
2.89	7.92
2.77	8.91
2.66	8.91
2.55	10.89
2.45	11.88
2.35	12.87
2.25	15.84
2.16	16.83
2.08	20.79
1.99	22.77
1.91	22.77
1.83	28.71
1.76	32.67
1.69	36.63
1.62	36.63
1.55	38.61
1.49	48.51
1.43	48.51
1.37	55.45
1.32	55.45
1.26	65.35
1.21	65.35
1.16	71.29
1.11	71.29
1.07	74.26
1.03	74.26
.98	77.23
.94	77.23
.91	77.23
.87	86.14
.83	86.14
.80	92.08



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON AS

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:

DATE:NOV 13/87
SAMPLE TYPE:SOIL
ANALYSIS TYPE:ICP

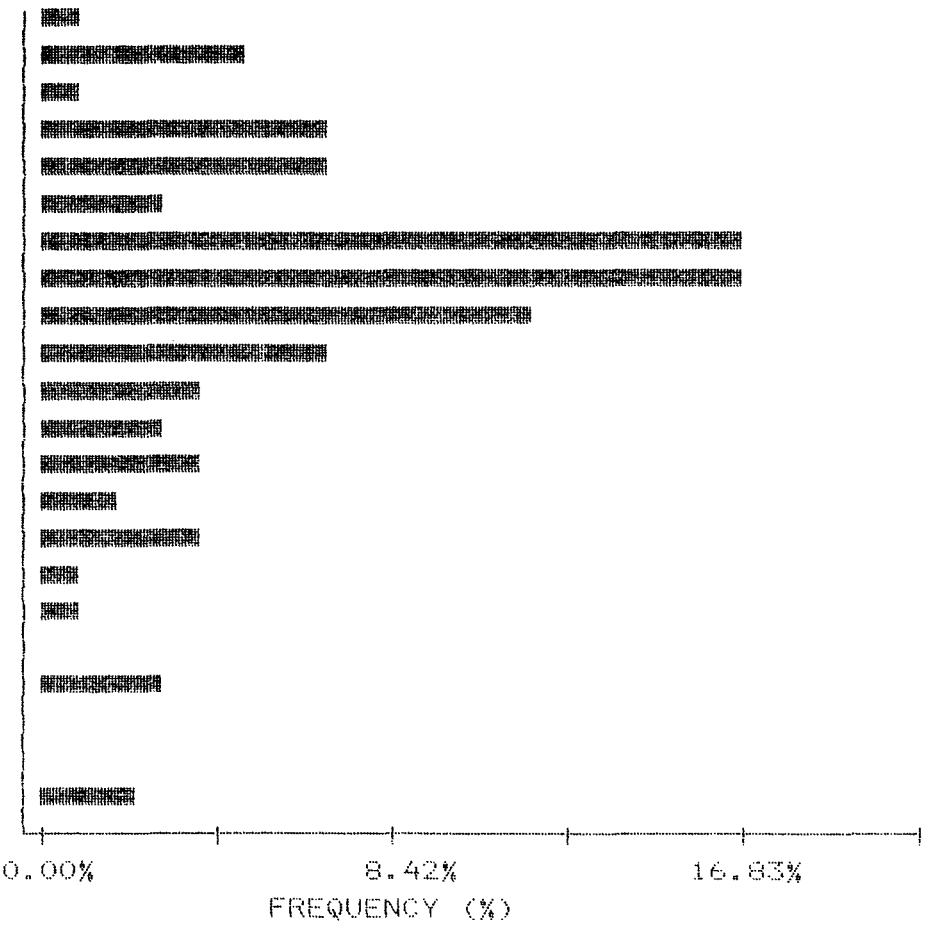
NUMBER OF SAMPLES:	101
MAXIMUM VALUE:	147.00 PPM
MINIMUM VALUE:	1.00 PPM
MEAN:	15.51 PPM
STD. DEVIATION:	15.37 PPM
COEFF. OF VARIATION:	.99

5 HIGHEST AS VALUES:

87NMS 003	147 PPM
87N6S 122	46 PPM
87N6S 117	37 PPM
87N6S 066	33 PPM
87N6S 112	32 PPM

HISTOGRAM FOR AS CLASS INTERVAL = 1.8

MID CLASS PPM	CLASS %
< 1.00	.99
1.90	4.95
3.70	.99
5.50	6.93
7.30	6.93
9.10	2.97
10.90	16.83
12.70	16.83
14.50	11.88
16.30	6.93
18.10	3.96
19.90	2.97
21.70	3.96
23.50	1.98
25.30	3.96
27.10	.99
28.90	.99
30.70	0.00
32.50	2.97
34.30	0.00
36.10	0.00
> 37.00	2.38



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

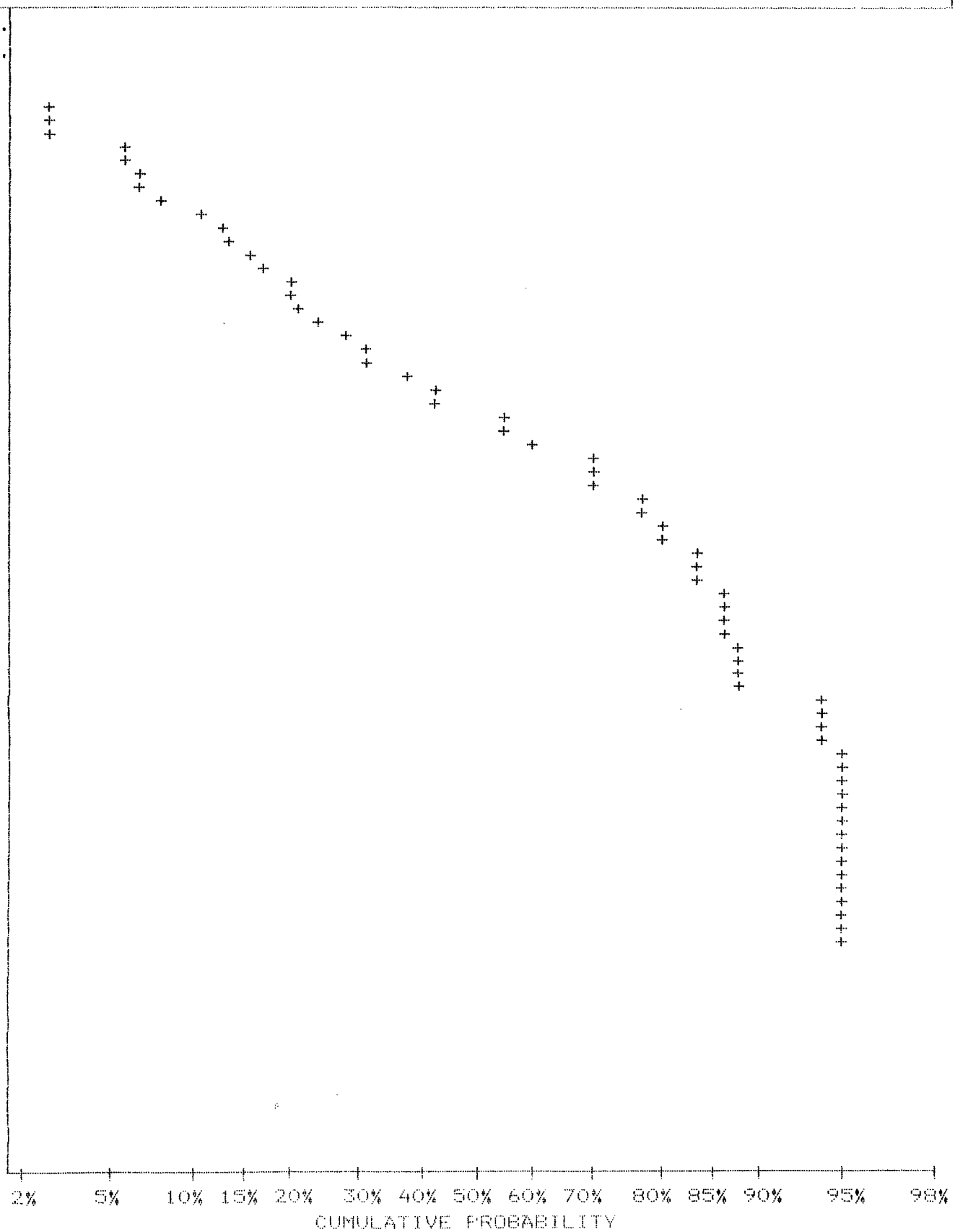
TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON AS

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:

DATE:NOV 13/87
SAMPLE TYPE:SOIL
ANALYSIS TYPE:ICP

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
36.31	2.97
33.11	2.97
30.20	5.94
27.54	6.93
25.12	10.89
22.91	13.86
20.89	17.82
19.05	20.79
17.38	24.75
15.85	31.68
14.45	38.61
13.18	43.56
12.02	55.45
10.96	70.30
10.00	70.30
9.12	77.23
8.32	80.20
7.59	84.16
6.92	87.13
6.31	87.13
5.75	88.12
5.25	88.12
4.79	94.06
4.37	94.06
3.98	95.05
3.63	95.05
3.31	95.05
3.02	95.05
2.75	95.05
2.51	95.05
2.29	95.05
2.09	95.05
1.90	98.02
1.74	98.02
1.58	98.02
1.44	98.02
1.32	98.02
1.20	98.02
1.10	98.02
1.00	99.01



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON CU

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:

DATE:NOV 13/87
SAMPLE TYPE:SOIL
ANALYSIS TYPE:ICP

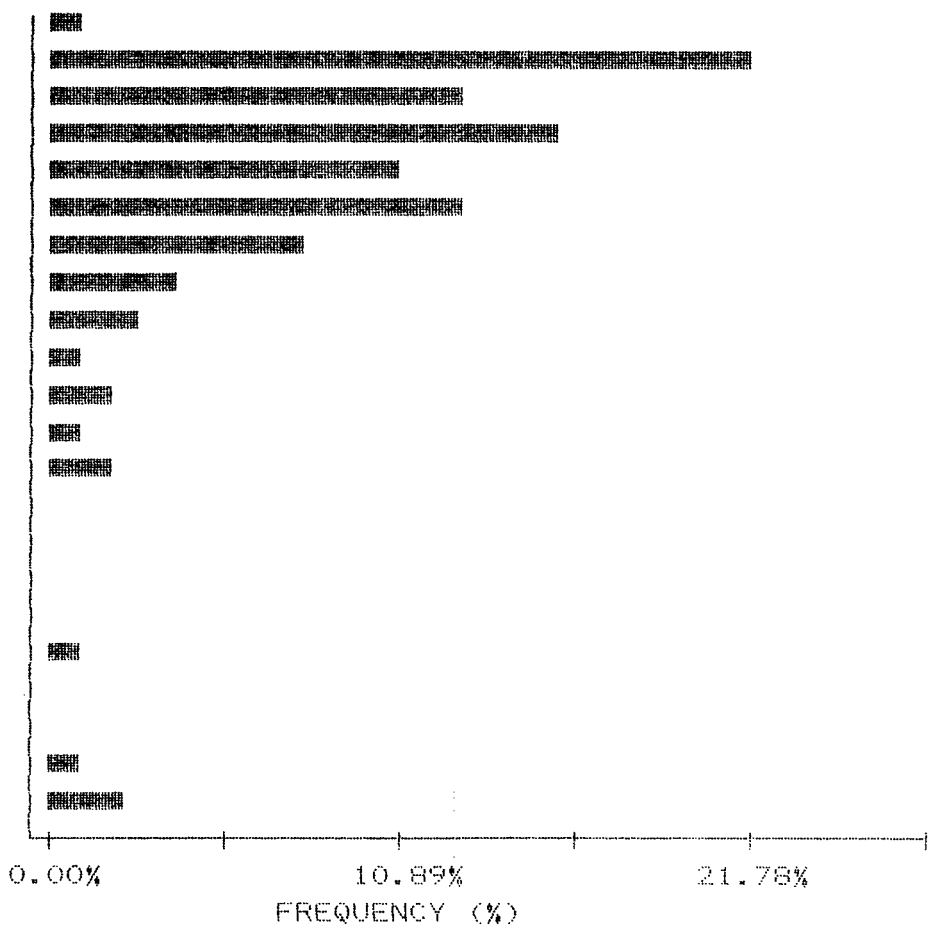
NUMBER OF SAMPLES:	101
MAXIMUM VALUE:	494.00 PPM
MINIMUM VALUE:	7.00 PPM
MEAN:	92.19 PPM
STD. DEVIATION:	90.66 PPM
COEFF. OF VARIATION:	.98

5 HIGHEST CU VALUES:

87NMS1	494 PPM
87N6S 122	416 PPM
87N6S 117	411 PPM
87N6S 127	403 PPM
87N6S 131	336 PPM

HISTOGRAM FOR CU CLASS INTERVAL = 20.2

MID CLASS PPM	CLASS %
< 7.00	.99
17.10	21.78
37.30	12.87
57.50	15.84
77.70	10.89
97.90	12.87
118.10	7.92
138.30	3.96
158.50	2.97
178.70	.99
198.90	1.98
219.10	.99
239.30	1.98
259.50	0.00
279.70	0.00
299.90	0.00
320.10	0.00
340.30	.99
360.50	0.00
380.70	0.00
400.90	.99
> 411.00	2.38



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

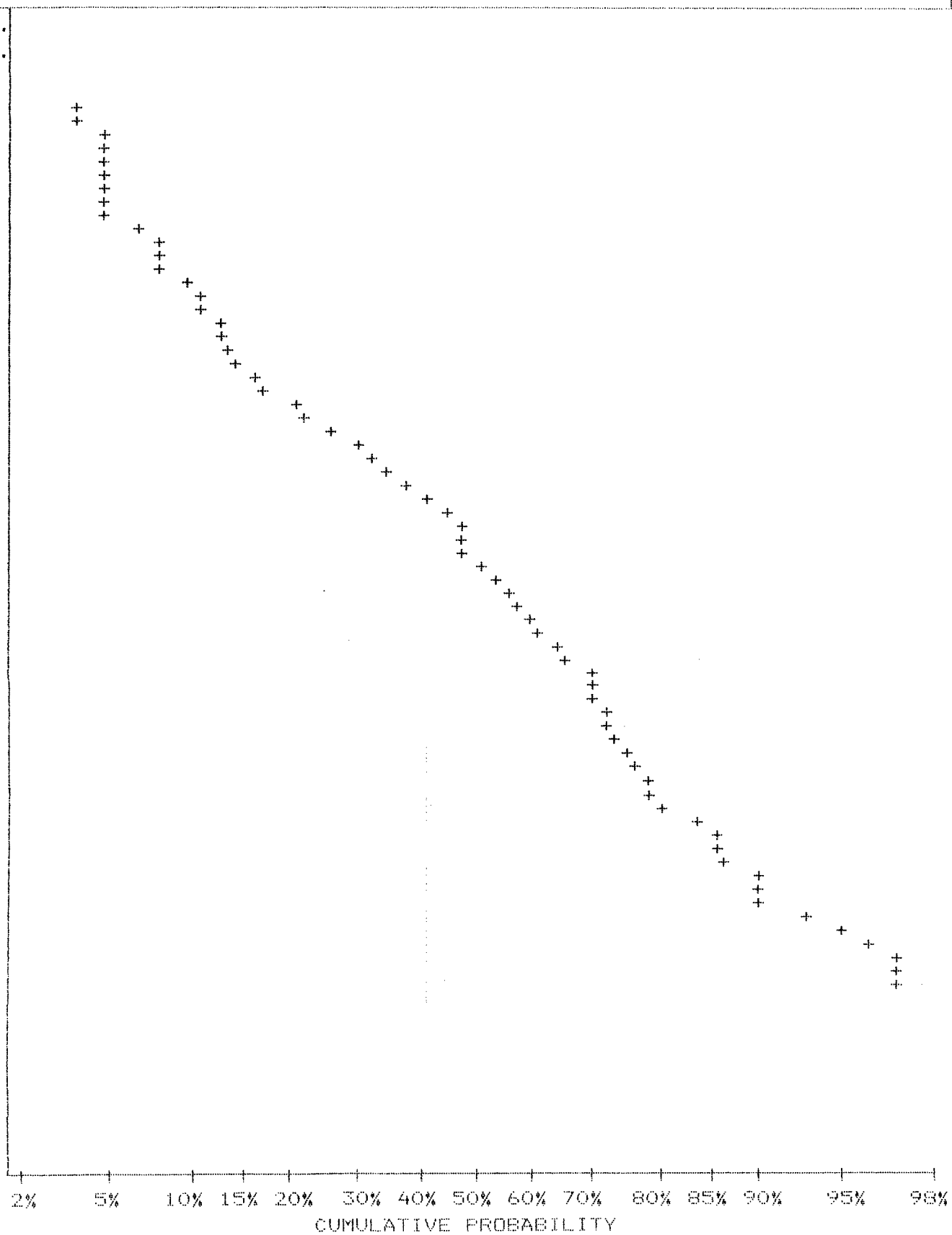
TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON CU

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:

DATE:NOV 13/87
SAMPLE TYPE:SOIL
ANALYSIS TYPE:ICP

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
364.00	3.96
328.92	4.95
297.23	4.95
268.60	4.95
242.72	4.95
219.33	7.92
198.20	7.92
179.10	10.89
161.85	12.87
146.25	13.86
132.16	16.83
119.43	21.78
107.92	26.73
97.52	32.67
88.12	38.61
79.63	45.54
71.96	48.51
65.03	51.49
58.77	56.44
53.10	60.40
47.98	65.35
43.36	70.30
39.19	70.30
35.41	72.28
32.00	75.25
28.91	78.22
26.13	80.20
23.61	86.14
21.34	87.13
19.28	90.10
17.42	93.07
15.74	96.04
14.22	97.03
12.86	98.02
11.62	98.02
10.50	98.02
9.48	98.02
8.57	99.01
7.75	99.01
7.00	99.01



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON PB

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:

DATE:NOV 13/87
SAMPLE TYPE:SOIL
ANALYSIS TYPE:ICP

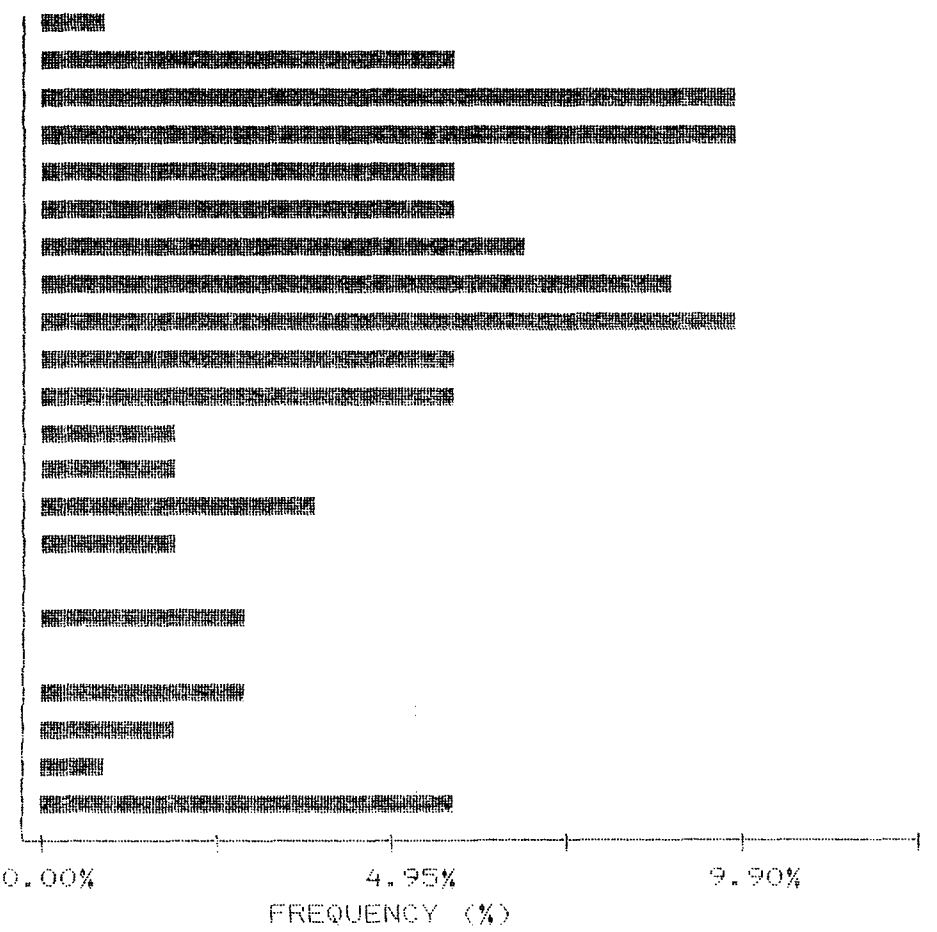
NUMBER OF SAMPLES:	101
MAXIMUM VALUE:	610.00 PPM
MINIMUM VALUE:	3.00 PPM
MEAN:	36.83 PPM
STD. DEVIATION:	62.68 PPM
COEFF. OF VARIATION:	1.70

5 HIGHEST PB VALUES:

87NMS 003	610 PPM
87NGS 132	135 PPM
87NGS 127	115 PPM
87NGS 131	114 PPM
87NGS 117	109 PPM

HISTOGRAM FOR PB CLASS INTERVAL = 3.5

MID CLASS PPM	CLASS %
< 3.00	.99
4.75	5.94
8.25	9.90
11.75	9.90
15.25	5.94
18.75	5.94
22.25	6.93
25.75	8.91
29.25	9.90
32.75	5.94
36.25	5.94
39.75	1.98
43.25	1.98
46.75	3.96
50.25	1.98
53.75	0.00
57.25	2.97
60.75	0.00
64.25	2.97
67.75	1.98
71.25	.99
> 73.00	5.94



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

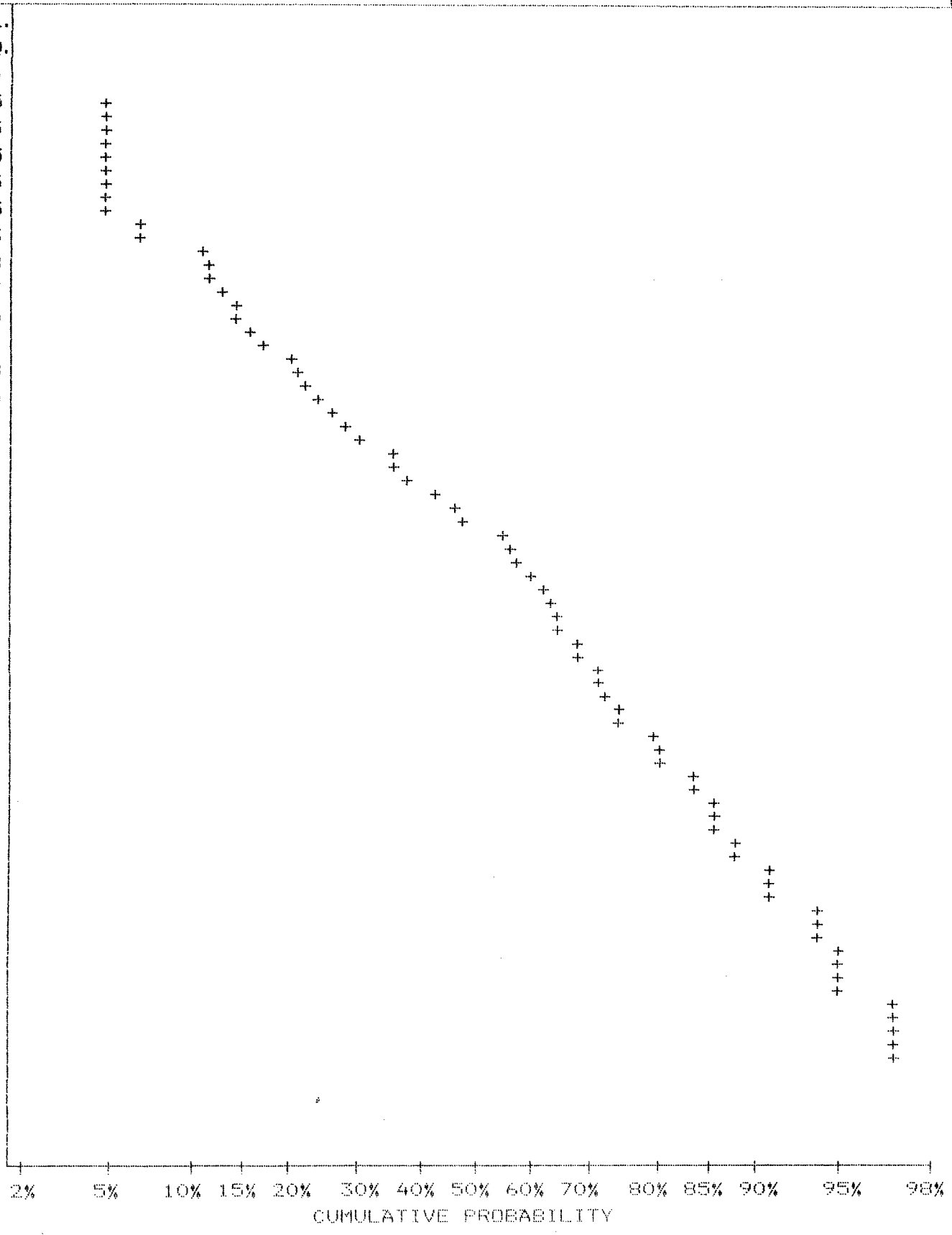
TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON PB

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:

DATE:NOV 13/87
SAMPLE TYPE:SOIL
ANALYSIS TYPE:ICP

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
108.92	4.95
99.34	4.95
90.60	4.95
82.63	4.95
75.36	4.95
68.73	6.93
62.68	11.88
57.17	12.87
52.13	14.85
47.55	17.82
43.36	21.78
39.55	24.75
36.07	28.71
32.89	35.64
30.00	38.61
27.36	46.53
24.95	55.45
22.76	58.42
20.75	62.38
18.93	65.35
17.26	68.32
15.74	71.29
14.36	72.28
13.09	74.26
11.94	80.20
10.89	84.16
9.93	86.14
9.06	86.14
8.26	88.12
7.54	91.09
6.87	94.06
6.27	94.06
5.71	95.05
5.21	95.05
4.76	97.03
4.33	97.03
3.95	99.01
3.61	99.01
3.29	99.01
3.00	99.01



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON SB

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:

DATE:NOV 13/87
SAMPLE TYPE:SOIL
ANALYSIS TYPE:ICP

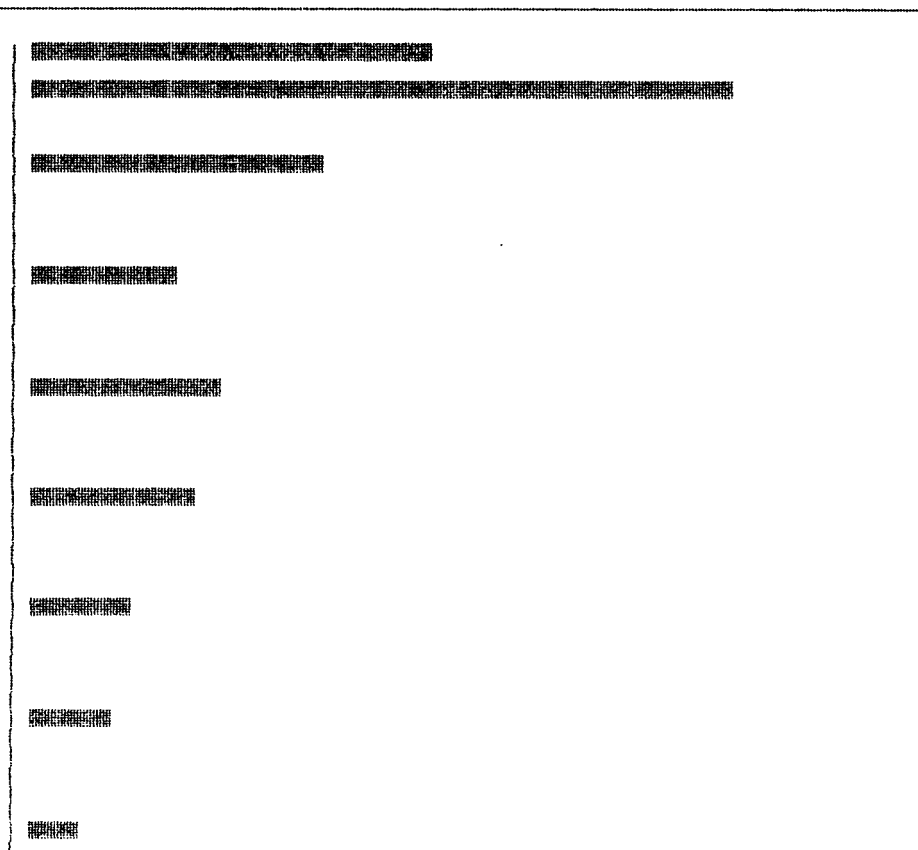
NUMBER OF SAMPLES:	101
MAXIMUM VALUE:	9.00 PPM
MINIMUM VALUE:	0.00 PPM
MEAN:	2.39 PPM
STD. DEVIATION:	2.25 PPM
COEFF. OF VARIATION:	.94

5 HIGHEST SB VALUES:

87N&S 131	9 PPM
87N&S148	8 PPM
87N&S150	8 PPM
87N&S 129	7 PPM
87N&S146	7 PPM

HISTOGRAM FOR SB CLASS INTERVAL = .35

MID CLASS PPM	CLASS %
< 1.00	18.81
1.17	32.67
1.52	0.00
1.87	13.86
2.22	0.00
2.57	0.00
2.92	6.93
3.27	0.00
3.62	0.00
3.97	8.91
4.32	0.00
4.67	0.00
5.02	7.92
5.37	0.00
5.72	0.00
6.07	4.95
6.42	0.00
6.77	0.00
7.12	3.96
7.47	0.00
7.82	0.00
> 8.00	2.38



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

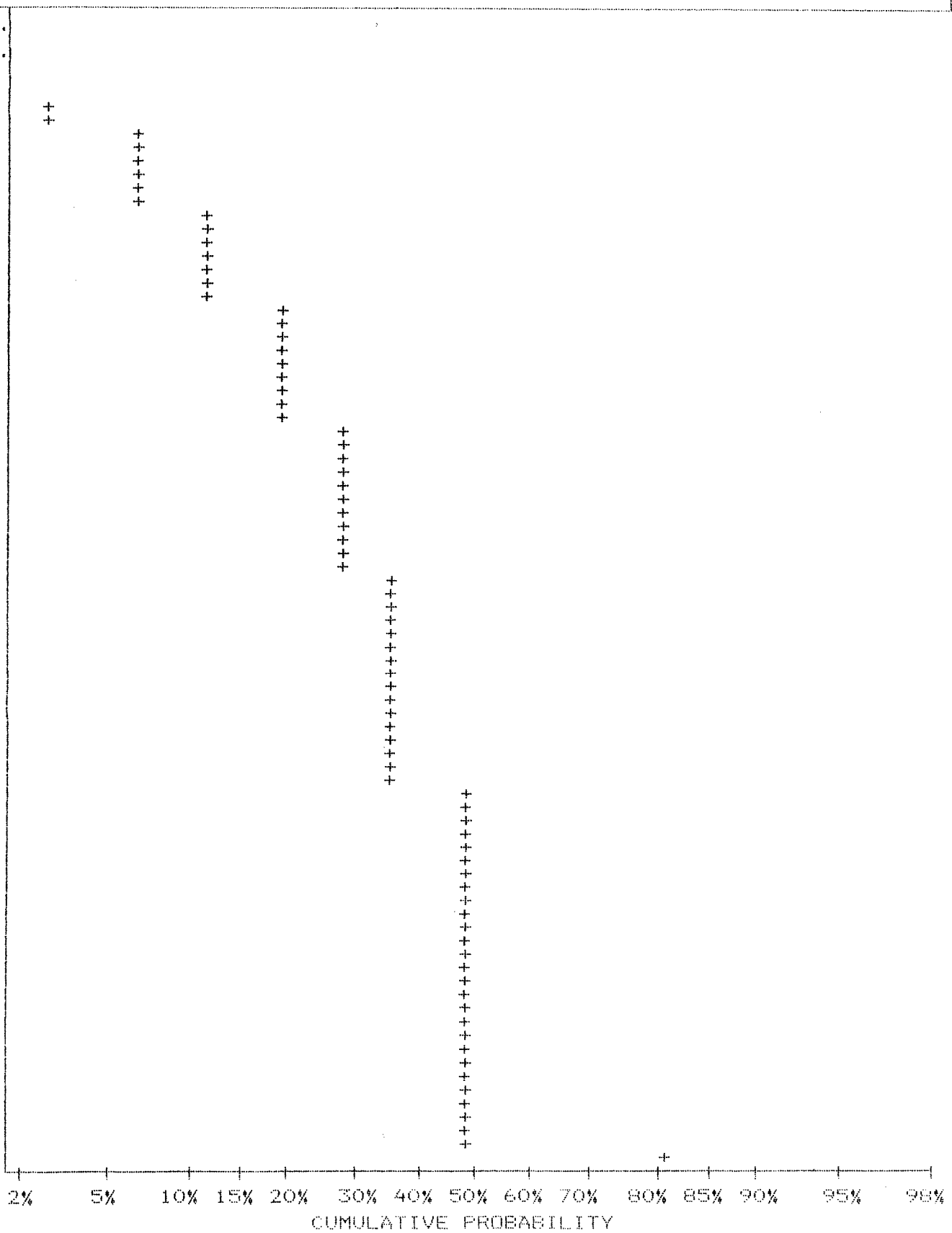
TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON SB

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:

DATE:NOV 13/87
SAMPLE TYPE:SOIL
ANALYSIS TYPE:ICP

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
7.21	2.97
6.86	6.93
6.52	6.93
6.19	6.93
5.89	11.88
5.60	11.88
5.32	11.88
5.06	11.88
4.81	19.80
4.57	19.80
4.35	19.80
4.13	19.80
3.93	28.71
3.73	28.71
3.55	28.71
3.37	28.71
3.21	28.71
3.05	28.71
2.90	35.64
2.75	35.64
2.62	35.64
2.49	35.64
2.37	35.64
2.25	35.64
2.14	35.64
2.03	35.64
1.93	49.50
1.84	49.50
1.75	49.50
1.66	49.50
1.58	49.50
1.50	49.50
1.43	49.50
1.35	49.50
1.29	49.50
1.23	49.50
1.16	49.50
1.11	49.50
1.05	49.50
1.00	81.19



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON ZN

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:

DATE:NOV 13/87
SAMPLE TYPE:SOIL
ANALYSIS TYPE:ICP

NUMBER OF SAMPLES:	101
MAXIMUM VALUE:	2748.00 PPM
MINIMUM VALUE:	15.00 PPM
MEAN:	222.45 PPM
STD. DEVIATION:	316.61 PPM
COEFF. OF VARIATION:	1.42

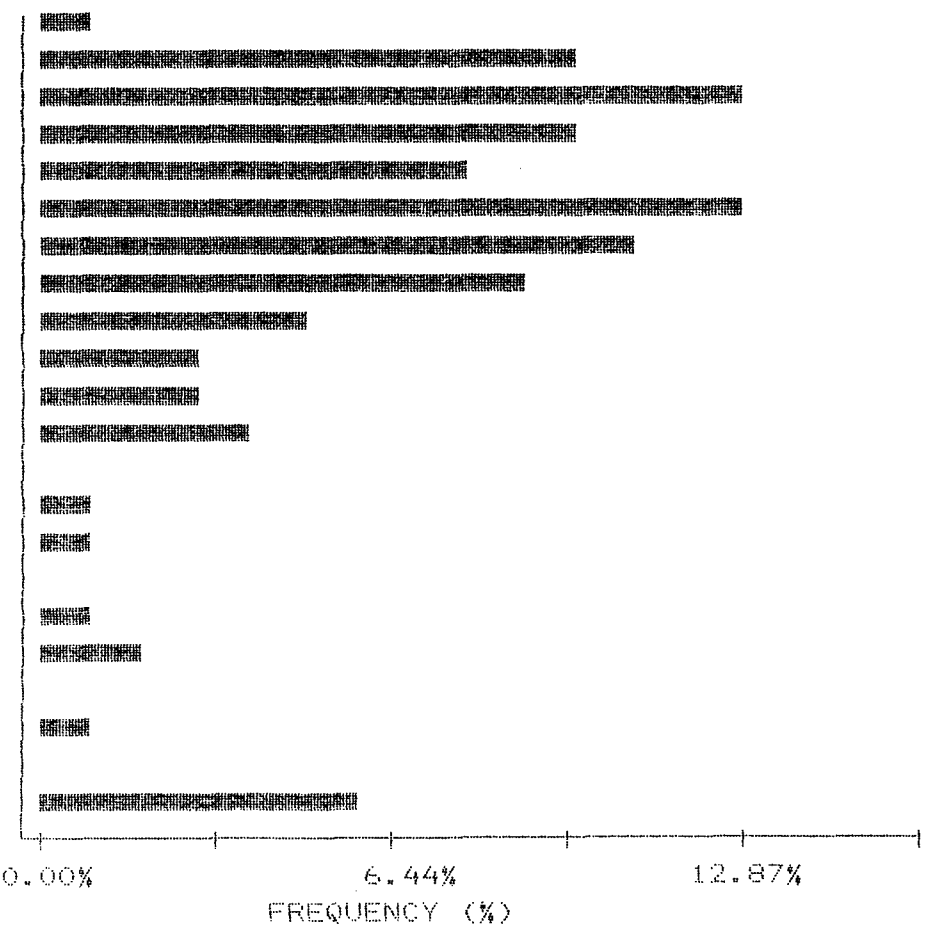
5 HIGHEST ZN VALUES:

87N6S	127	2748 PPM
87N6S	122	1120 PPM
87N6S	117	1011 PPM
87N6S	129	769 PPM
87N6S	131	697 PPM

126

HISTOGRAM FOR ZN CLASS INTERVAL = 29.4

MID CLASS PPM	CLASS %
< 15.00	.99
29.70	9.90
59.10	12.87
88.50	9.90
117.90	7.92
147.30	12.87
176.70	10.89
206.10	8.91
235.50	4.95
264.90	2.97
294.30	2.97
323.70	3.96
353.10	0.00
382.50	.99
411.90	.99
441.30	0.00
470.70	.99
500.10	1.98
529.50	0.00
558.90	.99
588.30	0.00
> 603.00	5.94



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

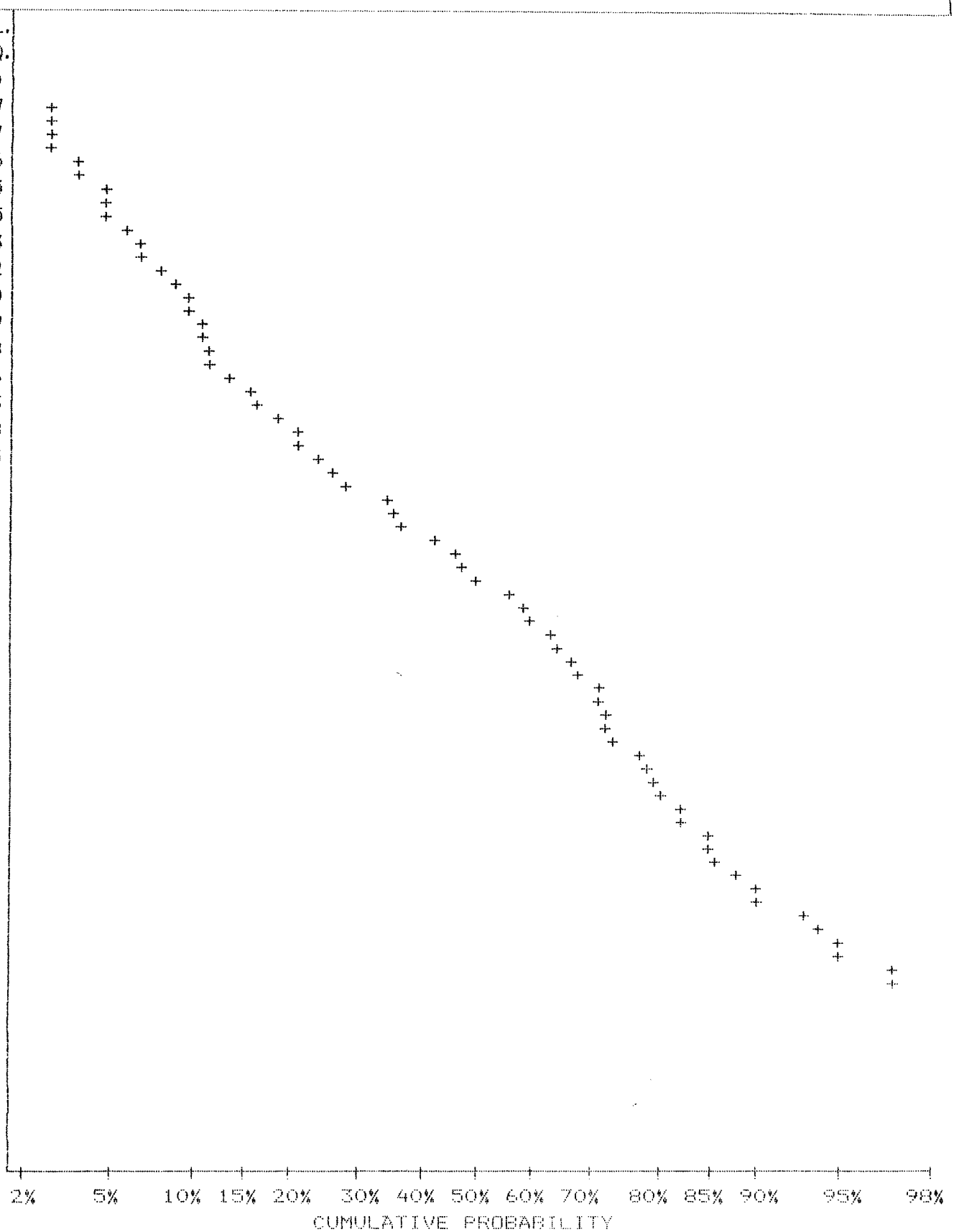
TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON ZN

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:

DATE:NOV 13/87
SAMPLE TYPE:SOIL
ANALYSIS TYPE:ICP

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
933.45	2.97
839.64	2.97
755.25	3.96
679.35	4.95
611.07	4.95
549.66	6.93
494.41	7.92
444.72	9.90
400.03	10.89
359.82	11.88
323.65	13.86
291.13	16.83
261.87	21.78
235.56	24.75
211.88	28.71
190.59	36.63
171.44	42.57
154.20	47.52
138.70	56.44
124.77	60.40
112.23	65.35
100.95	68.32
90.79	71.29
81.67	72.28
73.47	77.23
66.09	79.21
59.44	82.18
53.47	85.15
48.09	86.14
43.26	90.10
38.91	93.07
34.99	95.05
31.48	97.03
28.32	98.02
25.47	99.01
22.92	99.01
20.61	99.01
18.54	99.01
16.68	99.01
15.00	99.01



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON AU

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:

DATE:NOV 13/87
SAMPLE TYPE:SOIL
ANALYSIS TYPE:ICP

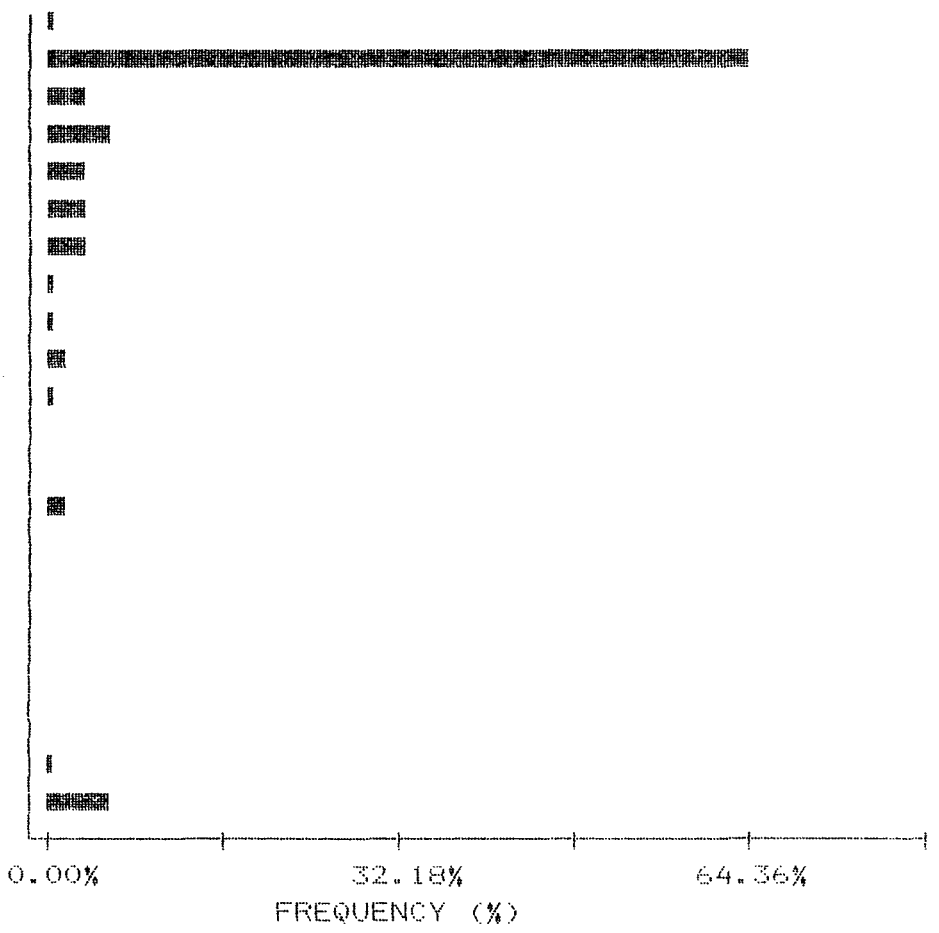
NUMBER OF SAMPLES:	101
MAXIMUM VALUE:	605.00 PPB
MINIMUM VALUE:	5.00 PPB
MEAN:	37.28 PPB
STD. DEVIATION:	93.02 PPB
COEFF. OF VARIATION:	2.50

5 HIGHEST AU VALUES:

87N6S 083	605 PPB
87N6S 087	510 PPB
87N6S 078	415 PPB
87N6S138	250 PPB
87N6S 117	240 PPB

HISTOGRAM FOR AU CLASS INTERVAL = 6.5

MID CLASS PPB	CLASS %
< 5.00	.99
8.25	64.36
14.75	3.96
21.25	5.94
27.75	3.96
34.25	3.96
40.75	3.96
47.25	.99
53.75	.99
60.25	1.98
66.75	.99
73.25	0.00
79.75	0.00
86.25	1.98
92.75	0.00
99.25	0.00
105.75	0.00
112.25	0.00
118.75	0.00
125.25	0.00
131.75	.99
> 135.00	5.94



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

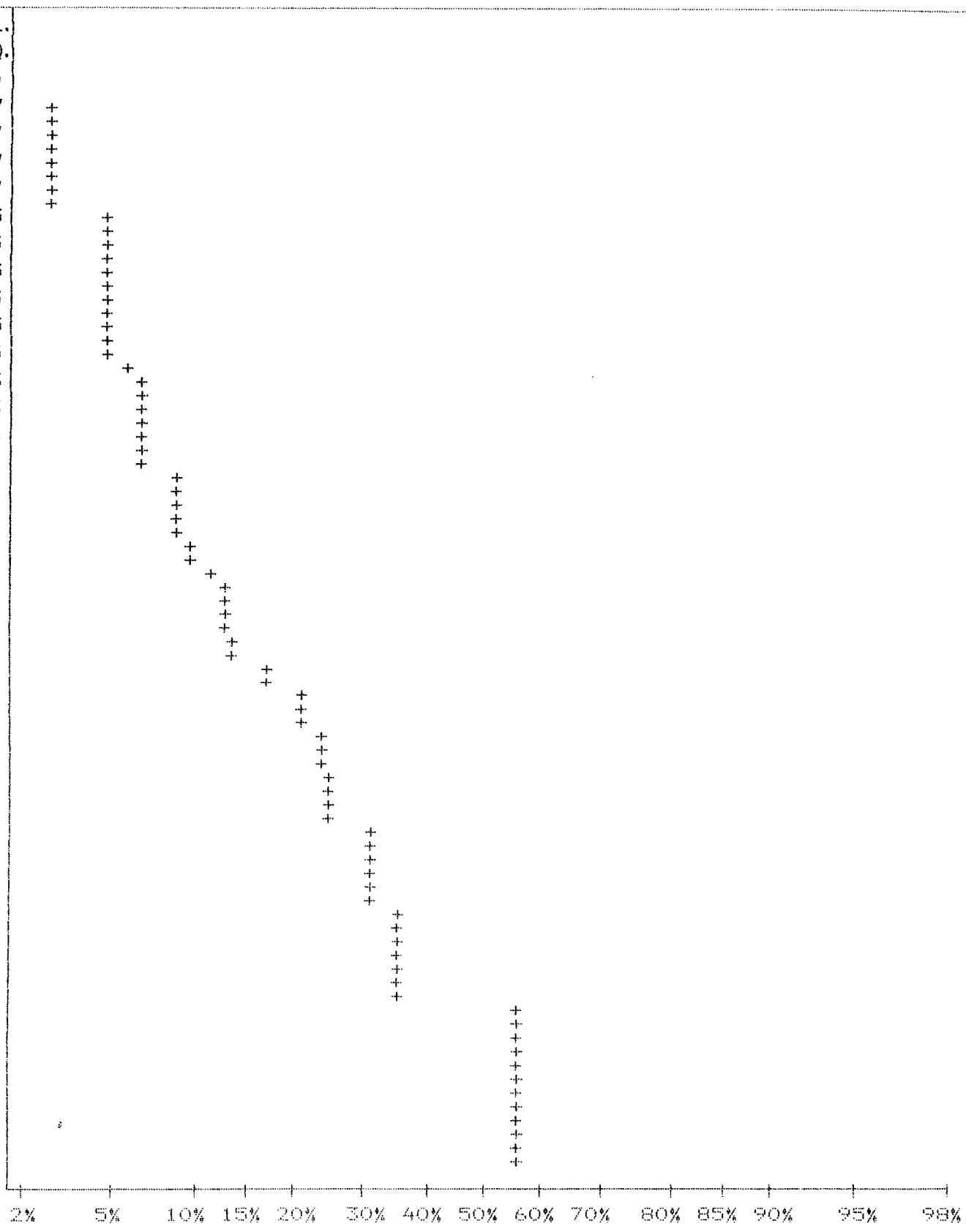
TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON AU

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:

DATE:NOV 13/87
SAMPLE TYPE:SOIL
ANALYSIS TYPE:ICP

UPPER LIMIT (PPB)	CUMMUL. FREQ. (%)
372.37	2.97
333.40	2.97
298.52	2.97
267.28	2.97
239.31	4.95
214.27	4.95
191.86	4.95
171.78	4.95
153.81	4.95
137.71	4.95
123.30	6.93
110.40	6.93
98.85	6.93
88.50	6.93
79.25	8.91
70.96	8.91
63.53	9.90
56.88	11.88
50.93	12.87
45.60	12.87
40.83	13.86
36.55	17.82
32.73	21.78
29.30	24.75
26.24	24.75
23.49	25.74
21.03	25.74
18.84	31.68
16.87	31.68
15.10	31.68
13.52	35.64
12.10	35.64
10.84	35.64
9.70	56.44
8.69	56.44
7.78	56.44
6.96	56.44
6.23	56.44
5.58	56.44
5.00	99.01



APPENDIX IV-B

Statistical Analysis

MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

CORRELATION COEFFICIENTS

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:7-710 7-746 7-1026 7-1138

DATE:NOV 12/87
SAMPLE TYPE:SILT
ANALYSIS TYPE:ICP

THE TABLE BELOW REPRESENTS THE PEARSON CORRELATION MATRIX, SHOWING THE INTER-ELEMENT CORRELATION COEFFICIENTS. THOSE VALUES THAT EXCEED THEIR CRITICAL VALUE FOR .01 LEVEL OF SIGNIFICANCE ARE SHOWN IN DARKER PRINT AND UNDERLINED.

	AG	AS	CU	PB	SB	ZN	AU
AG	1.000	**.427**	**.640**	**.833**	.154	.349	.310
AS		1.000	.286	**.491**	.208	-.038	.121
CU			1.000	**.782**	-.204	**.626**	.216
PB				1.000	-.071	.342	**.398**
SB					1.000	-.013	-.209
ZN						1.000	-.141
AU							1.000

MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON AG

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:7-710 7-746 7-1026 7-1138

DATE:NOV 12/87
SAMPLE TYPE:SILT
ANALYSIS TYPE:ICP

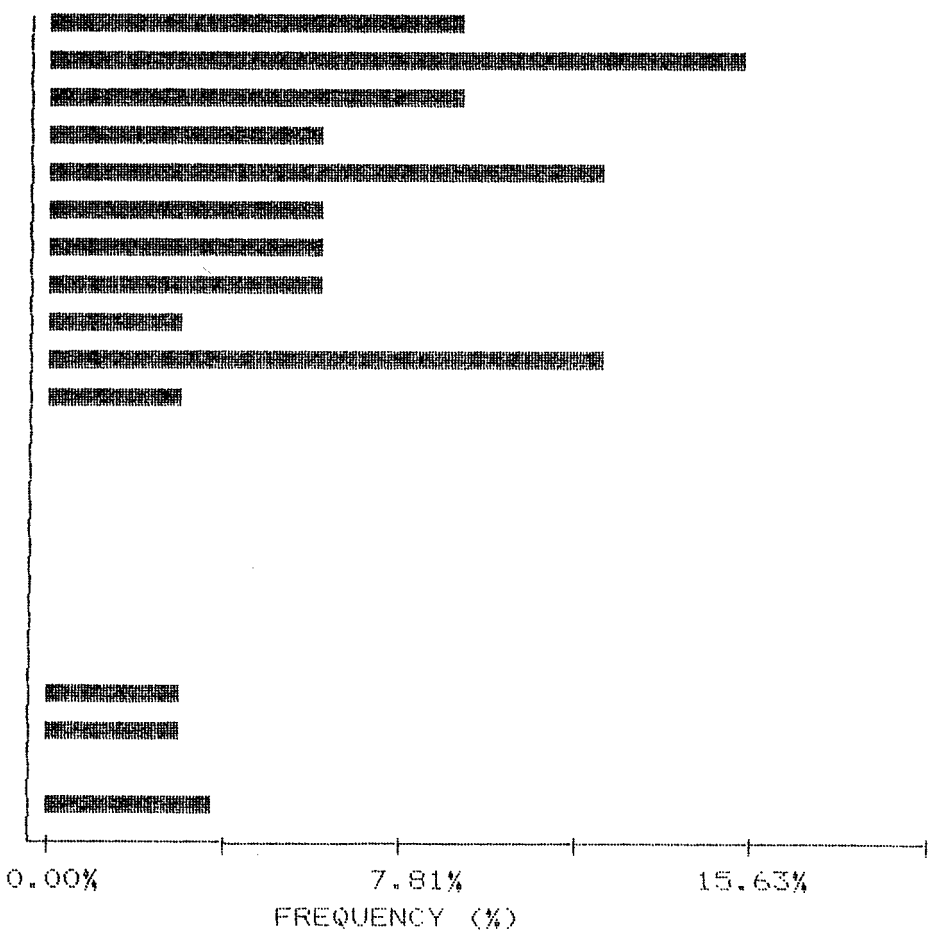
NUMBER OF SAMPLES:	32
MAXIMUM VALUE:	2.90 PPM
MINIMUM VALUE:	0.00 PPM
MEAN:	1.22 PPM
STD. DEVIATION:	.67 PPM
COEFF. OF VARIATION:	.55

5 HIGHEST AG VALUES:

87NML14	2.9 PPM
87NML12	2.8 PPM
87NML13	2.6 PPM
87NSL 19	2.5 PPM
87NML 37	1.6 PPM

HISTOGRAM FOR AG CLASS INTERVAL = .11

	MID CLASS PPM	CLASS %
<	.60	9.38
	.66	15.63
	.77	9.38
	.88	6.25
	.99	12.50
	1.10	6.25
	1.21	6.25
	1.32	6.25
	1.43	3.13
	1.54	12.50
	1.65	3.13
	1.76	0.00
	1.87	0.00
	1.98	0.00
	2.09	0.00
	2.20	0.00
	2.31	0.00
	2.42	0.00
	2.53	3.13
	2.64	3.13
	2.75	0.00
>	2.80	3.75



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

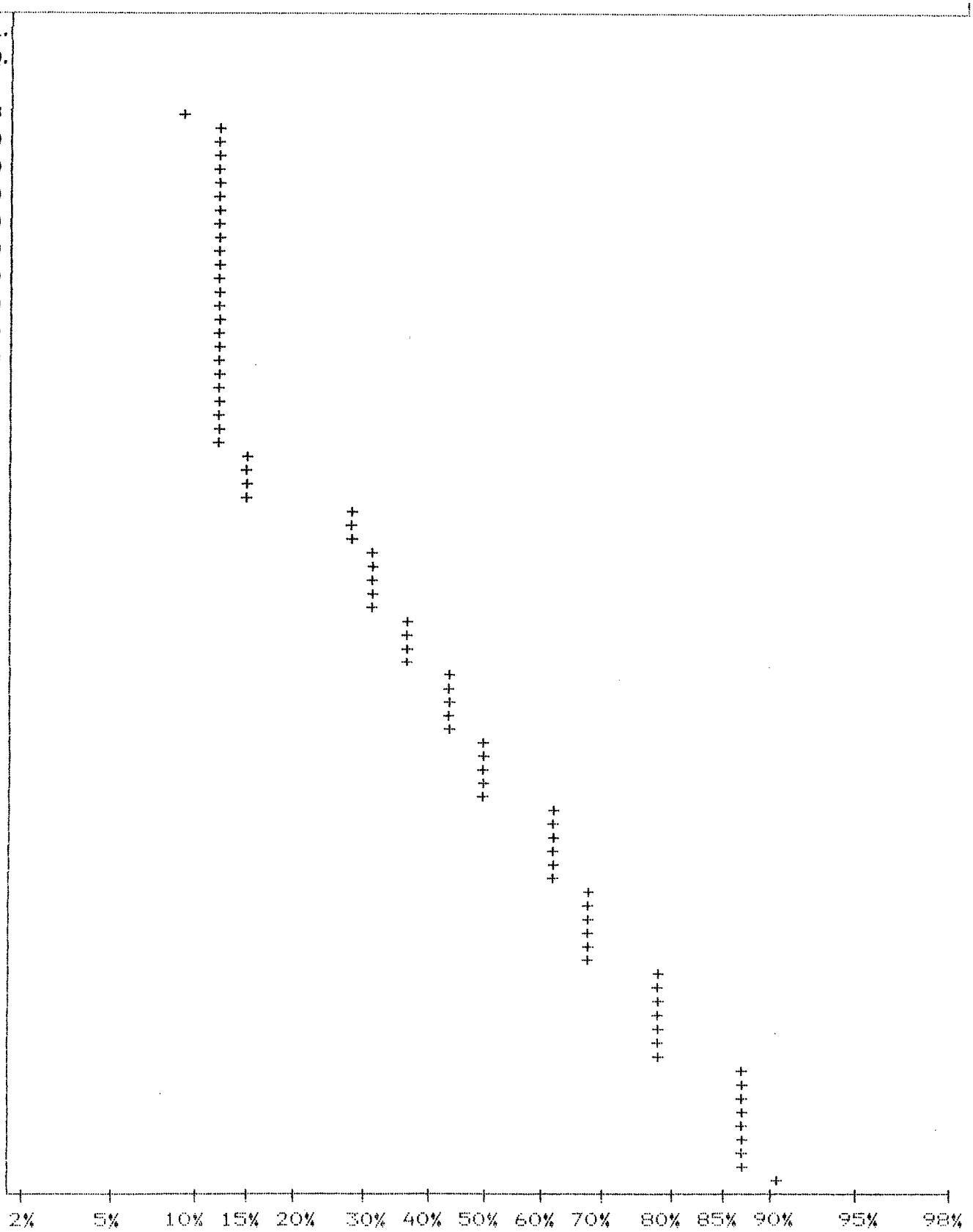
TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON AG

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:7-710 7-746 7-1026 7-1138

DATE:NOV 12/87
SAMPLE TYPE:SILT
ANALYSIS TYPE:ICP

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
2.52	9.38
2.43	12.50
2.34	12.50
2.26	12.50
2.18	12.50
2.10	12.50
2.02	12.50
1.95	12.50
1.88	12.50
1.81	12.50
1.75	12.50
1.68	12.50
1.62	12.50
1.56	15.63
1.51	15.63
1.45	28.13
1.40	31.25
1.35	31.25
1.30	31.25
1.25	37.50
1.21	37.50
1.16	43.75
1.12	43.75
1.08	50.00
1.04	50.00
1.00	50.00
.97	62.50
.93	62.50
.90	62.50
.87	68.75
.84	68.75
.81	68.75
.78	78.13
.75	78.13
.72	78.13
.70	87.50
.67	87.50
.65	87.50
.62	87.50
.60	90.63



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON AS

COMPANY:HI-TEC RESOURCES

ATTN:GEORGE KING

PROJECT:87BC016

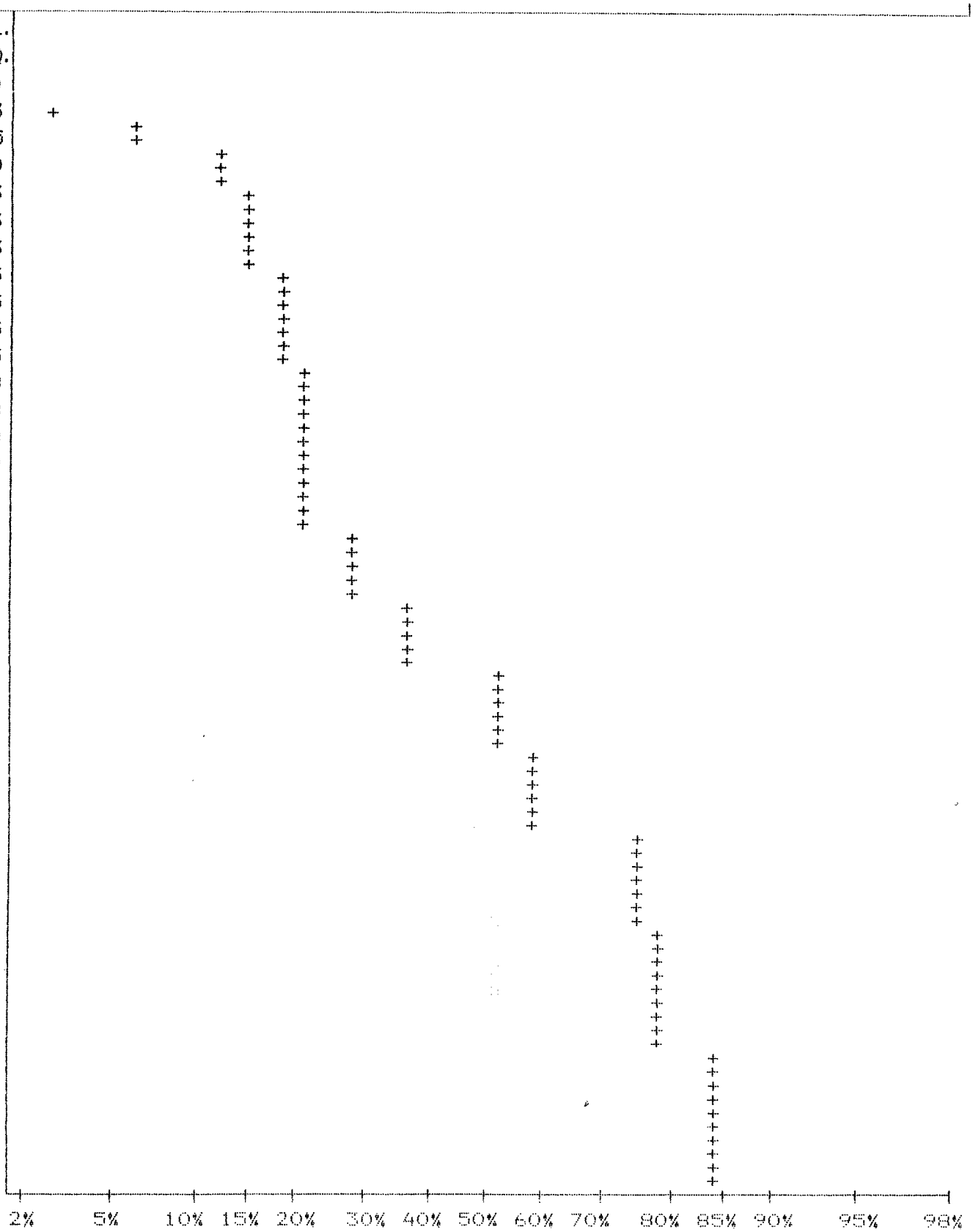
FILE#:7-710 7-746 7-1026 7-1138

DATE:NOV 12/87

SAMPLE TYPE:SILT

ANALYSIS TYPE:ICP

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
21.03	3.13
20.27	6.25
19.54	12.50
18.84	15.63
18.16	15.63
17.49	15.63
16.87	18.75
16.25	18.75
15.66	18.75
15.10	18.75
14.55	21.88
14.02	21.88
13.52	21.88
13.03	21.88
12.56	21.88
12.10	21.88
11.66	28.13
11.25	28.13
10.84	37.50
10.45	37.50
10.07	37.50
9.70	53.13
9.36	53.13
9.02	53.13
8.69	59.38
8.38	59.38
8.07	59.38
7.78	75.00
7.50	75.00
7.22	75.00
6.96	78.13
6.71	78.13
6.47	78.13
6.23	78.13
6.01	78.13
5.79	84.38
5.58	84.38
5.38	84.38
5.19	84.38
5.00	84.38



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON CU

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:7-710 7-746 7-1026 7-1138

DATE:NOV 12/87
SAMPLE TYPE:SILT
ANALYSIS TYPE:ICP

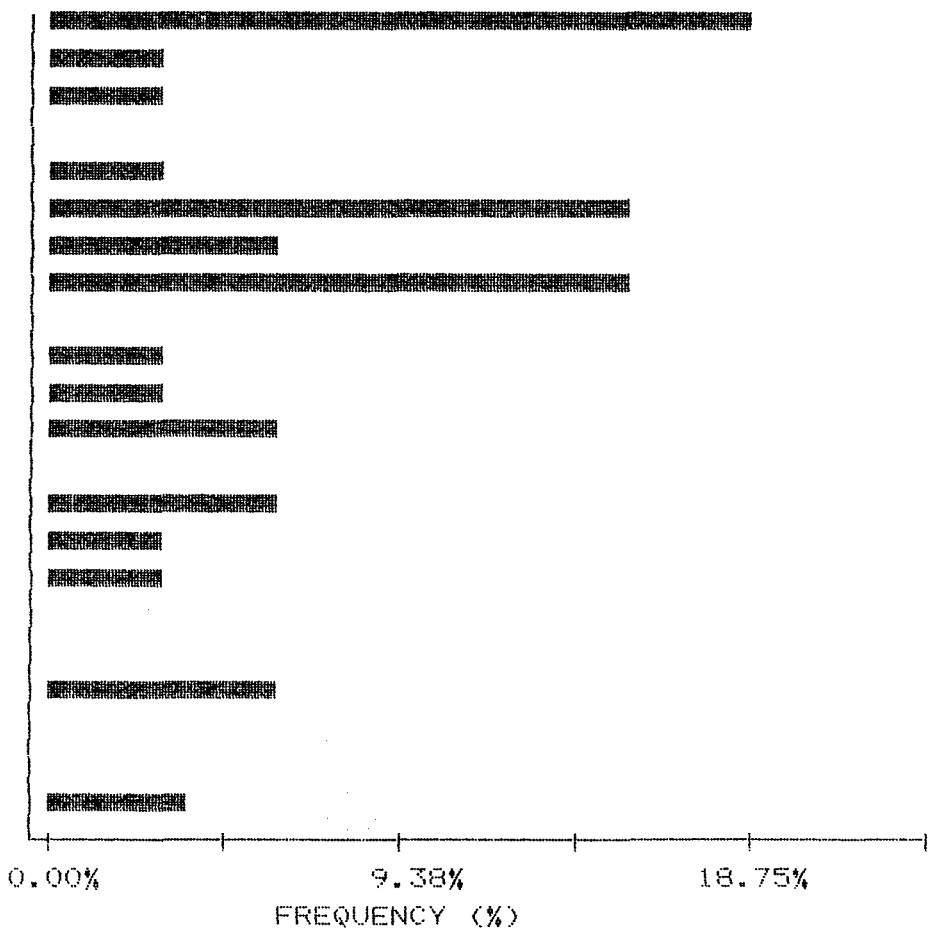
NUMBER OF SAMPLES:	32
MAXIMUM VALUE:	144.00 PPM
MINIMUM VALUE:	10.00 PPM
MEAN:	72.69 PPM
STD. DEVIATION:	34.01 PPM
COEFF. OF VARIATION:	.47

5 HIGHEST CU VALUES:

87NML12	144 PPM
87NSL 19	136 PPM
87NML13	124 PPM
87NML14	123 PPM
87NKL 39	108 PPM

HISTOGRAM FOR CU CLASS INTERVAL = 4.8

MID CLASS PPM	CLASS %
< 40.00	18.75
42.40	3.13
47.20	3.13
52.00	0.00
56.80	3.13
61.60	15.63
66.40	6.25
71.20	15.63
76.00	0.00
80.80	3.13
85.60	3.13
90.40	6.25
95.20	0.00
100.00	6.25
104.80	3.13
109.60	3.13
114.40	0.00
119.20	0.00
124.00	6.25
128.80	0.00
133.60	0.00
> 136.00	3.75



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON CU

COMPANY:HI-TEC RESOURCES

ATTN:GEORGE KING

PROJECT:87BC016

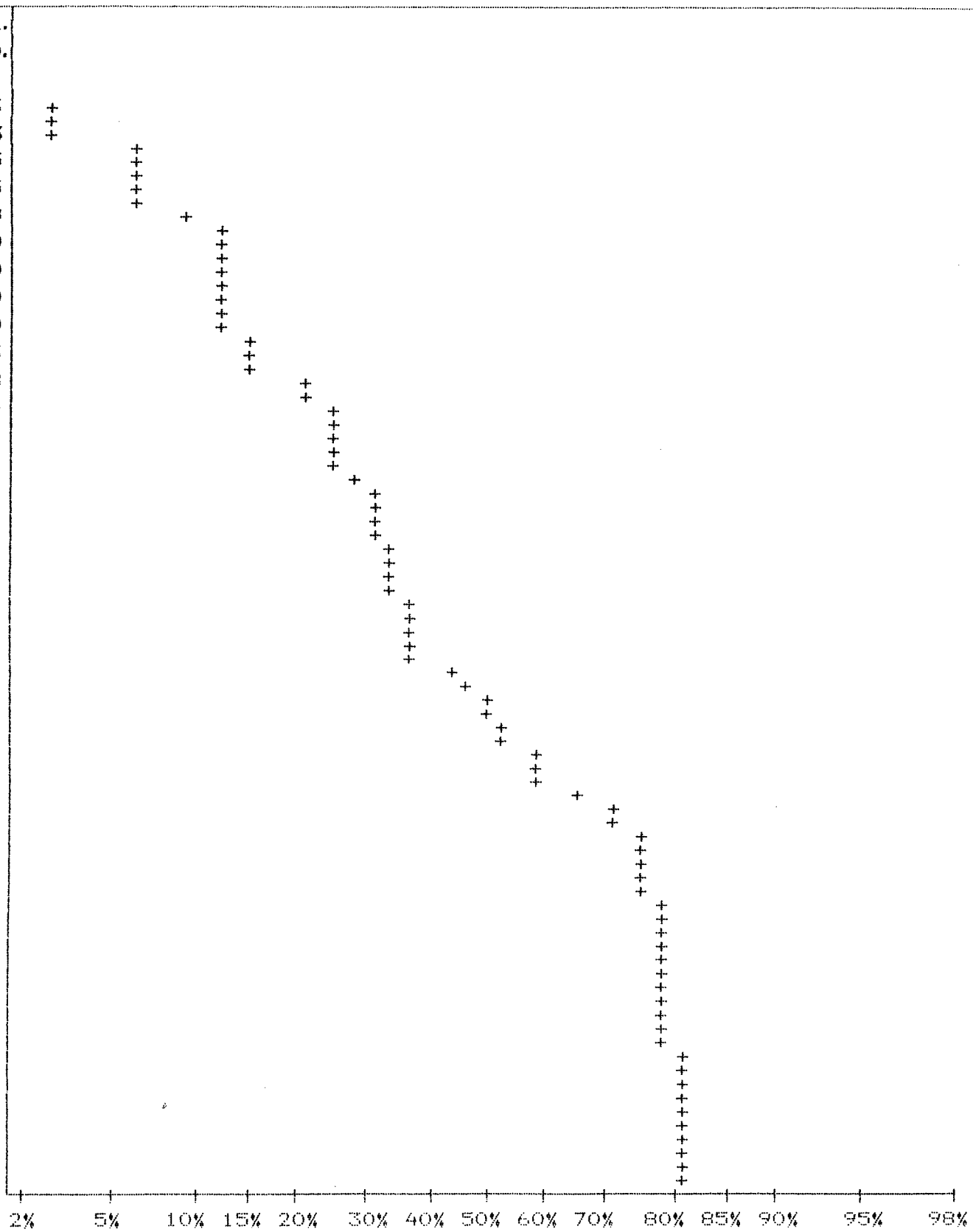
FILE#:7-710 7-746 7-1026 7-1138

DATE:NOV 12/87

SAMPLE TYPE:SILT

ANALYSIS TYPE:ICP

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
140.64	3.13
136.16	3.13
131.84	6.25
127.68	6.25
123.60	9.38
119.68	12.50
115.88	12.50
112.20	12.50
108.64	12.50
105.20	15.63
101.88	21.88
98.64	25.00
95.52	25.00
92.48	25.00
89.56	31.25
86.72	31.25
83.96	34.38
81.28	34.38
78.72	37.50
76.20	37.50
73.80	37.50
71.44	46.88
69.20	50.00
67.00	53.13
64.88	59.38
62.80	65.63
60.84	71.88
58.88	75.00
57.04	75.00
55.20	78.13
53.48	78.13
51.76	78.13
50.12	78.13
48.52	78.13
47.00	78.13
45.52	81.25
44.08	81.25
42.68	81.25
41.32	81.25
40.00	81.25



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON PB

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:7-710 7-746 7-1026 7-1138

DATE:NOV 12/87
SAMPLE TYPE:SILT
ANALYSIS TYPE:ICP

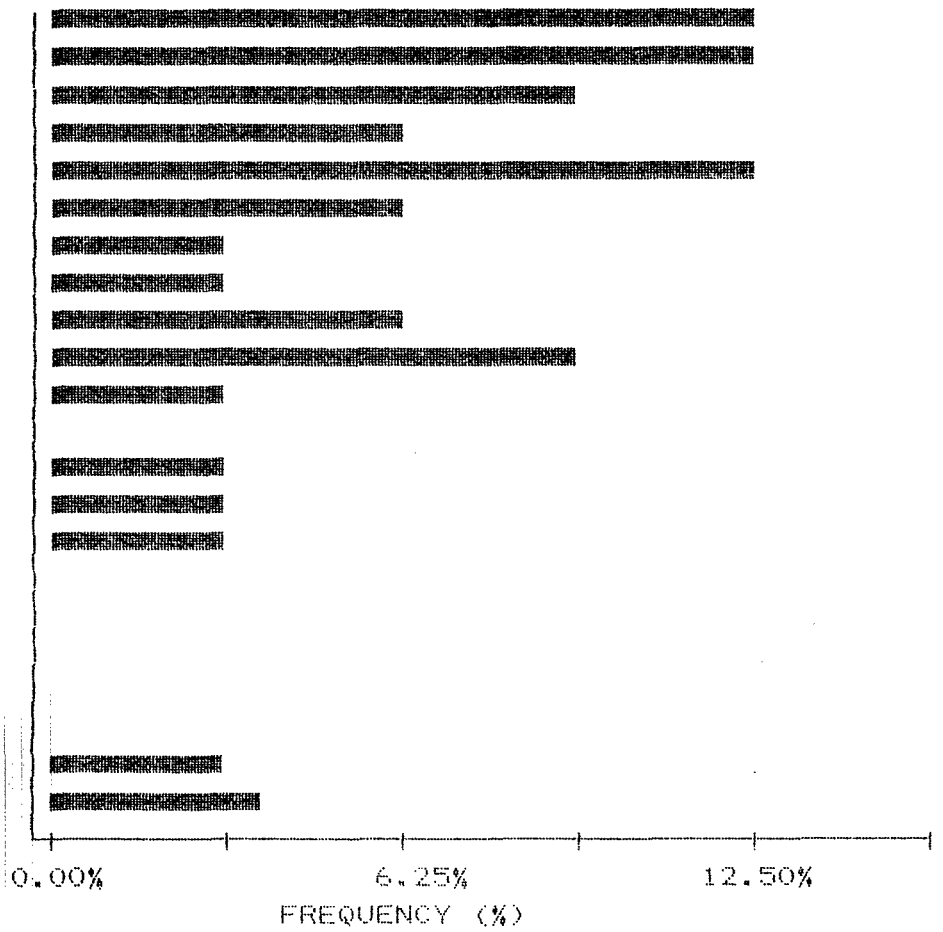
NUMBER OF SAMPLES:	32
MAXIMUM VALUE:	73.00 PPM
MINIMUM VALUE:	4.00 PPM
MEAN:	22.94 PPM
STD. DEVIATION:	16.88 PPM
COEFF. OF VARIATION:	.74

5 HIGHEST PB VALUES:

87NML12		73 PPM
87NML13		59 PPM
87NML14		59 PPM
87NML40	40M	42 PPM
87NML9		39 PPM

HISTOGRAM FOR PB CLASS INTERVAL = 2.6

MID CLASS PPM	CLASS %
< 7.00	12.50
8.30	12.50
10.90	9.38
13.50	6.25
16.10	12.50
18.70	6.25
21.30	3.13
23.90	3.13
26.50	6.25
29.10	9.38
31.70	3.13
34.30	0.00
36.90	3.13
39.50	3.13
42.10	3.13
44.70	0.00
47.30	0.00
49.90	0.00
52.50	0.00
55.10	0.00
57.70	3.13
> 59.00	3.75



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON PB

COMPANY:HI-TEC RESOURCES

ATTN:GEORGE KING

PROJECT:87BC016

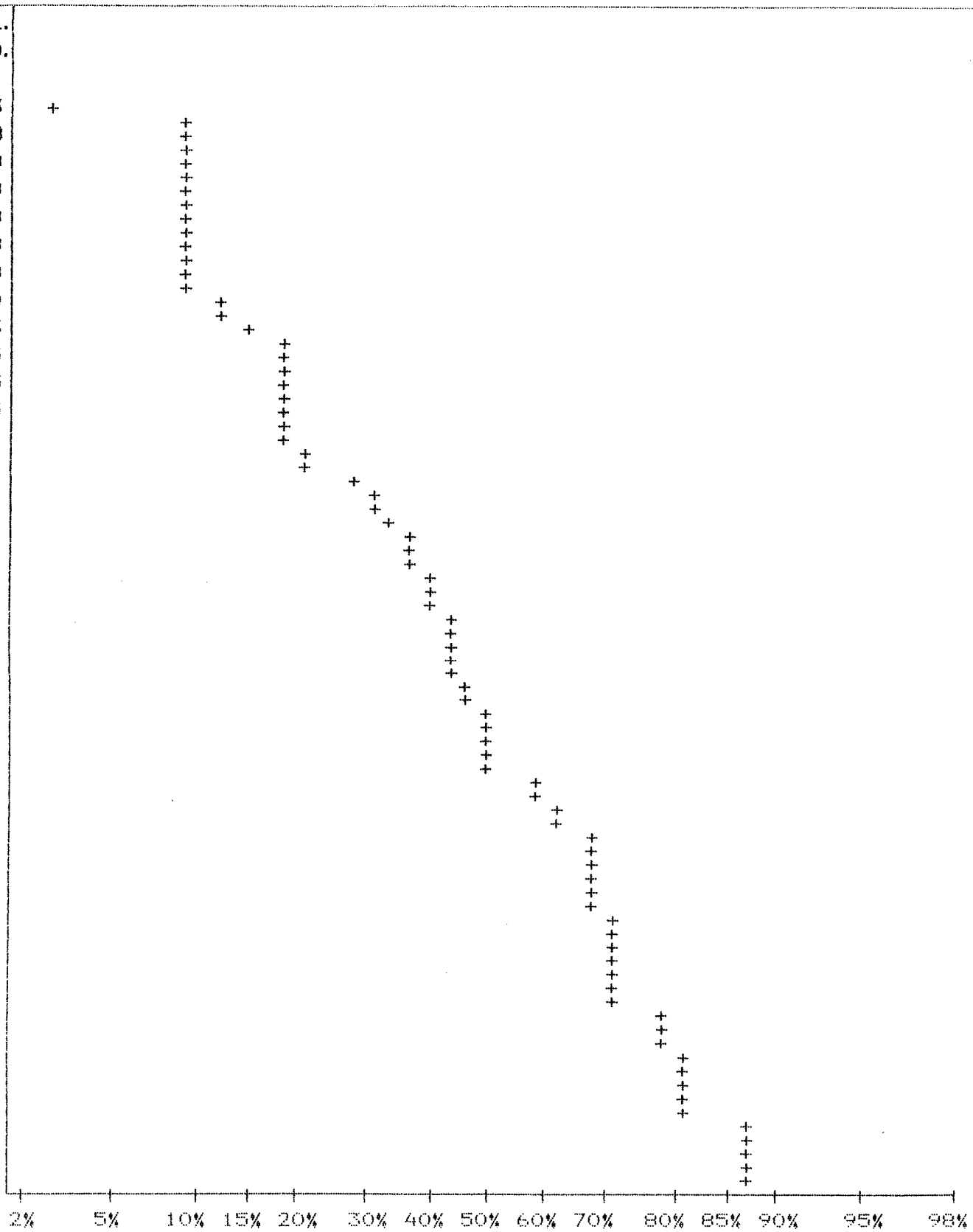
FILE#:7-710 7-746 7-1026 7-1138

DATE:NOV 12/87

SAMPLE TYPE:SILT

ANALYSIS TYPE:ICP

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
60.41	3.13
57.16	9.38
54.09	9.38
51.18	9.38
48.43	9.38
45.82	9.38
43.36	9.38
41.03	12.50
38.82	15.63
36.74	18.75
34.76	18.75
32.89	18.75
31.12	18.75
29.45	21.88
27.87	31.25
26.37	34.38
24.95	37.50
23.61	40.63
22.34	40.63
21.14	43.75
20.01	43.75
18.93	46.88
17.91	50.00
16.95	50.00
16.04	50.00
15.18	59.38
14.36	62.50
13.59	68.75
12.86	68.75
12.17	68.75
11.51	71.88
10.89	71.88
10.30	71.88
9.75	78.13
9.23	78.13
8.73	81.25
8.26	81.25
7.82	87.50
7.40	87.50
7.00	87.50



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON SB

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:7-710 7-746 7-1026 7-1138

DATE:NOV 12/87
SAMPLE TYPE:SILT
ANALYSIS TYPE:ICP

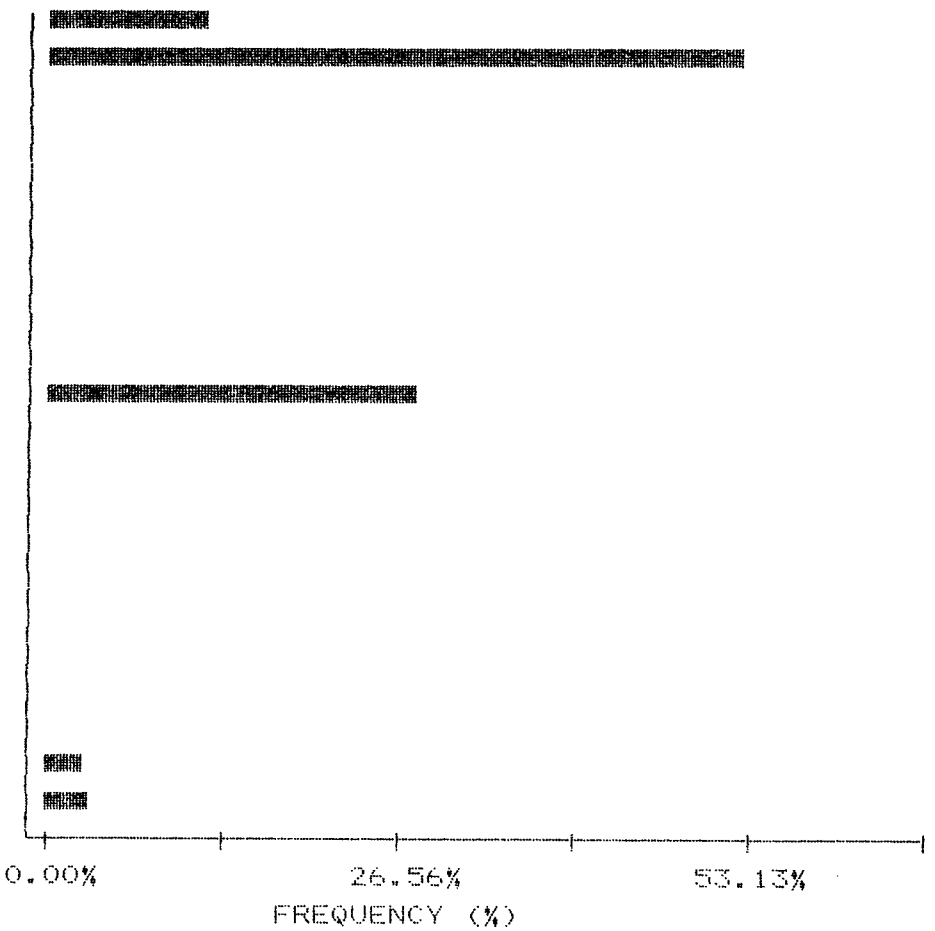
NUMBER OF SAMPLES:	32
MAXIMUM VALUE:	7.00 PPM
MINIMUM VALUE:	1.00 PPM
MEAN:	2.47 PPM
STD. DEVIATION:	1.11 PPM
COEFF. OF VARIATION:	.45

5 HIGHEST SB VALUES:

87NKL48 20M	7 PPM
87NML 34	4 PPM
87NML 37	4 PPM
87N6L13 40M	3 PPM
87NML7 20M	3 PPM

HISTOGRAM FOR SB CLASS INTERVAL = .1

MID CLASS PPM	CLASS %
< 2.00	12.50
2.05	53.13
2.15	0.00
2.25	0.00
2.35	0.00
2.45	0.00
2.55	0.00
2.65	0.00
2.75	0.00
2.85	0.00
2.95	28.13
3.05	0.00
3.15	0.00
3.25	0.00
3.35	0.00
3.45	0.00
3.55	0.00
3.65	0.00
3.75	0.00
3.85	0.00
3.95	3.13
> 4.00	3.75



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON SB

COMPANY:HI-TEC RESOURCES

ATTN:GEORGE KING

PROJECT:87BC016

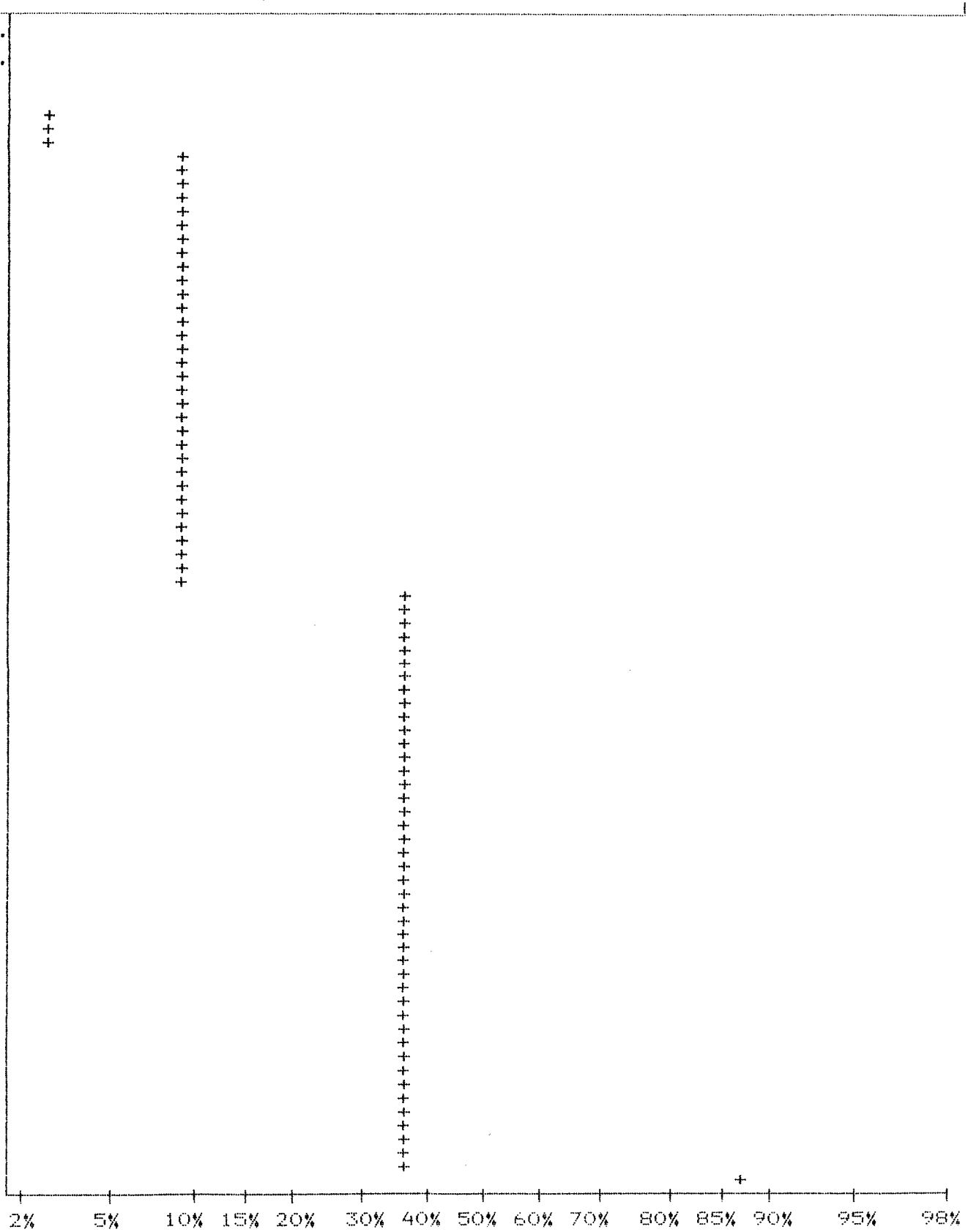
FILE#:7-710 7-746 7-1026 7-1138

DATE:NOV 12/87

SAMPLE TYPE:SILT

ANALYSIS TYPE:ICP

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
4.10	3.13
4.03	3.13
3.95	9.38
3.88	9.38
3.81	9.38
3.74	9.38
3.67	9.38
3.61	9.38
3.54	9.38
3.48	9.38
3.41	9.38
3.35	9.38
3.29	9.38
3.23	9.38
3.17	9.38
3.11	9.38
3.06	9.38
3.00	9.38
2.94	37.50
2.89	37.50
2.84	37.50
2.79	37.50
2.74	37.50
2.69	37.50
2.64	37.50
2.59	37.50
2.54	37.50
2.49	37.50
2.45	37.50
2.40	37.50
2.36	37.50
2.32	37.50
2.28	37.50
2.23	37.50
2.19	37.50
2.15	37.50
2.11	37.50
2.08	37.50
2.04	37.50
2.00	87.50



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON ZN

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:7-710 7-746 7-1026 7-1138

DATE:NOV 12/87
SAMPLE TYPE:SILT
ANALYSIS TYPE:ICP

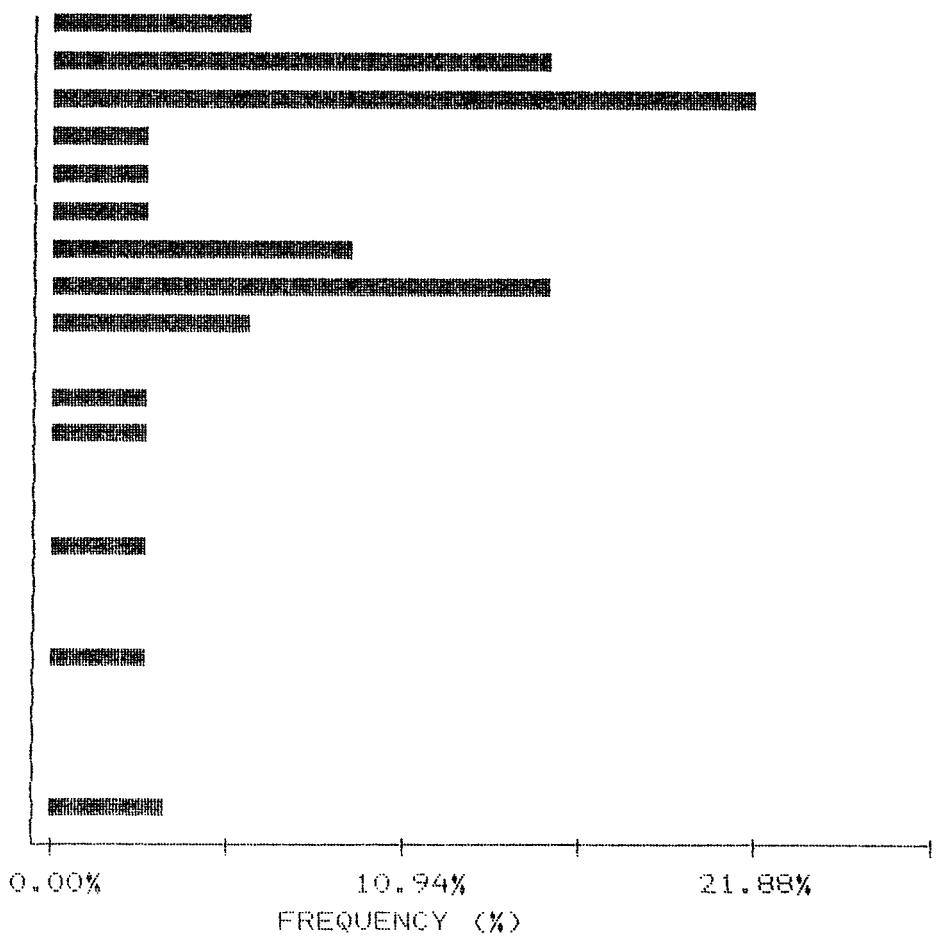
NUMBER OF SAMPLES:	32
MAXIMUM VALUE:	965.00 PPM
MINIMUM VALUE:	35.00 PPM
MEAN:	215.56 PPM
STD. DEVIATION:	176.96 PPM
COEFF. OF VARIATION:	.82

5 HIGHEST ZN VALUES:

87NSL 19	965 PPM
87NKL 39	534 PPM
87NSL 18	446 PPM
87NML 36	393 PPM
87NML2 40M	318 PPM

HISTOGRAM FOR ZN CLASS INTERVAL = 22.85

MID CLASS PPM	CLASS %
< 77.00	6.25
88.43	15.63
111.28	21.88
134.13	3.13
156.98	3.13
179.83	3.13
202.68	9.38
225.53	15.63
248.38	6.25
271.23	0.00
294.08	3.13
316.93	3.13
339.78	0.00
362.63	0.00
385.48	3.13
408.33	0.00
431.18	0.00
454.03	3.13
476.88	0.00
499.73	0.00
522.58	0.00
> 534.00	3.75



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

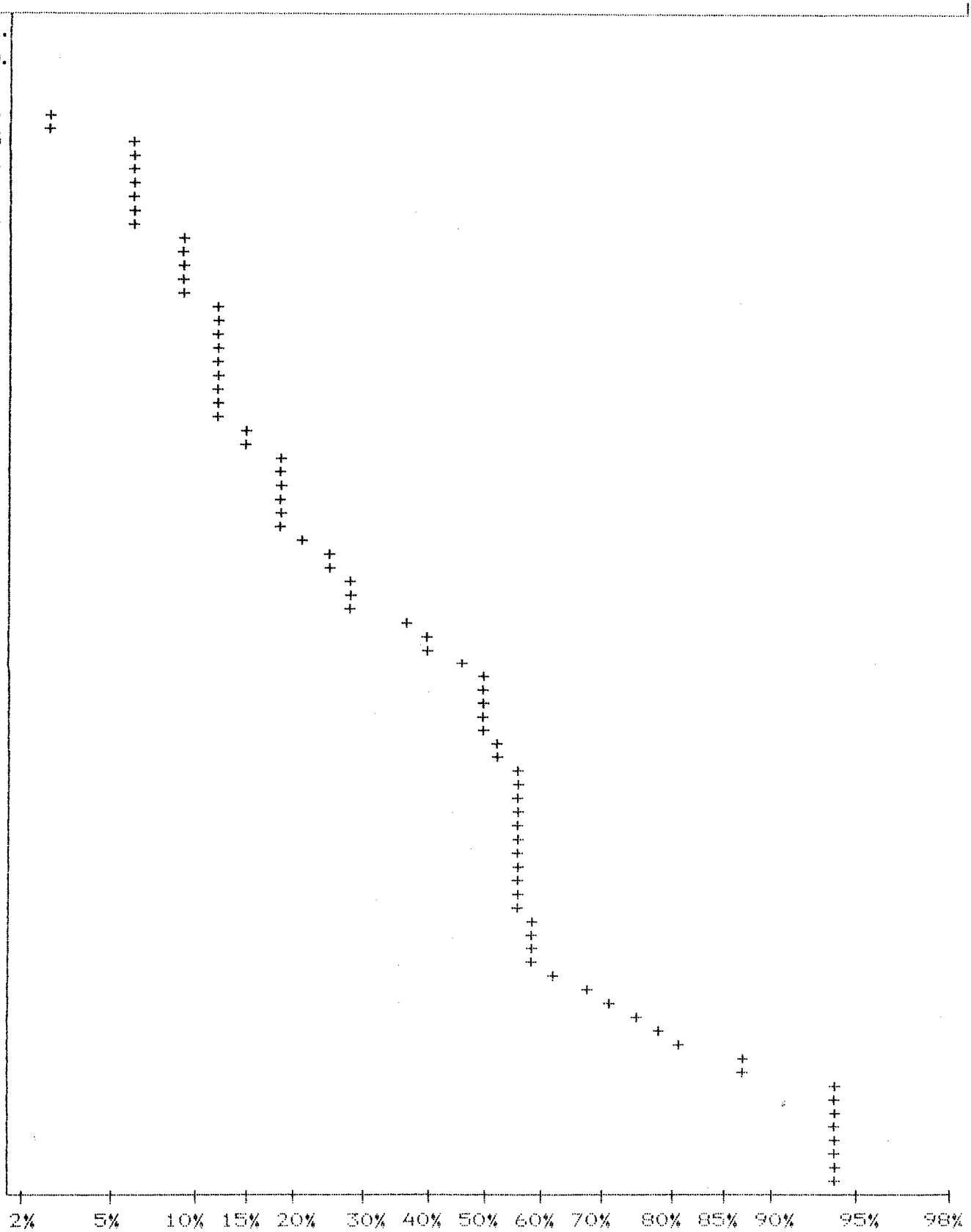
TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON ZN

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:7-710 7-746 7-1026 7-1138

DATE:NOV 12/87
SAMPLE TYPE:SILT
ANALYSIS TYPE:ICP

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
555.25	3.13
527.84	6.25
501.73	6.25
476.94	6.25
453.38	6.25
431.05	9.38
409.72	9.38
389.47	12.50
370.22	12.50
351.97	12.50
334.56	12.50
318.01	12.50
302.30	15.63
287.44	18.75
273.20	18.75
259.72	18.75
246.86	25.00
234.70	28.13
223.07	28.13
212.06	40.63
201.59	46.88
191.65	50.00
182.18	50.00
173.17	53.13
164.63	56.25
156.46	56.25
148.76	56.25
141.45	56.25
134.44	56.25
127.82	56.25
121.51	59.38
115.50	59.38
109.80	68.75
104.34	75.00
99.18	81.25
94.32	87.50
89.63	93.75
85.24	93.75
81.00	93.75
77.00	93.75



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON AU

COMPANY:HI-TEC RESOURCES
ATTN:GEORGE KING
PROJECT:87BC016
FILE#:7-710 7-746 7-1026 7-1138

DATE:NOV 12/87
SAMPLE TYPE:SILT
ANALYSIS TYPE:ICP

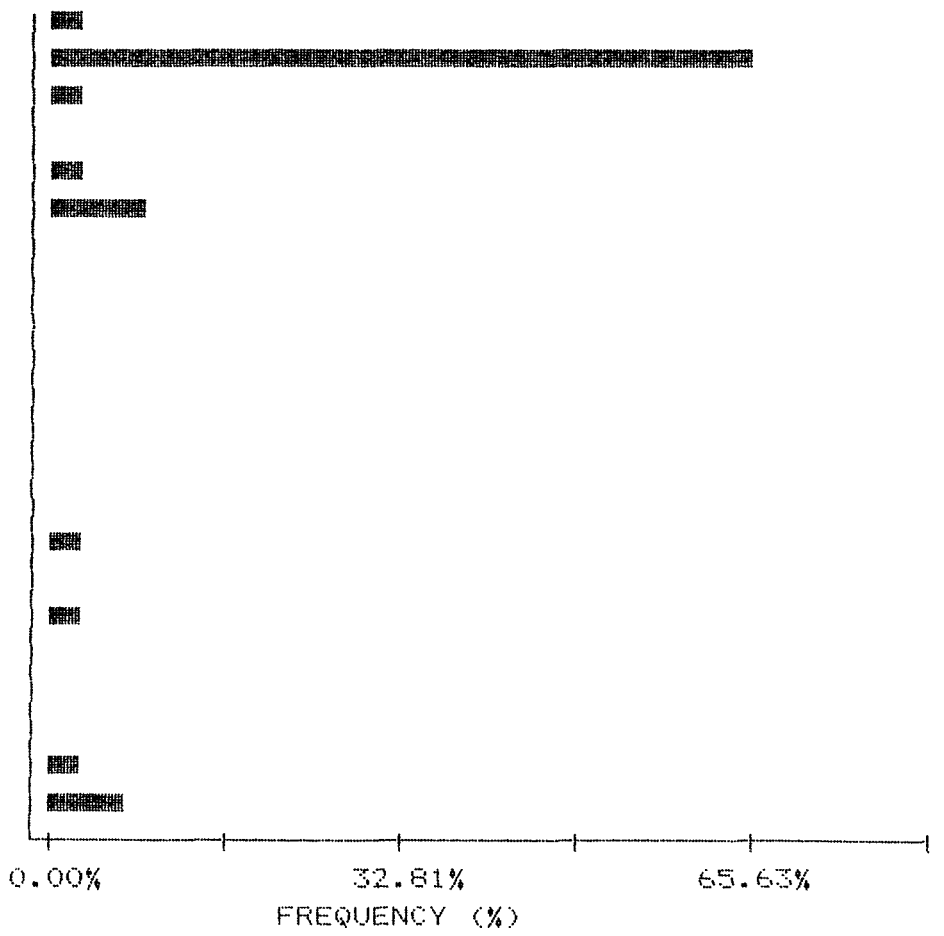
NUMBER OF SAMPLES:	32
MAXIMUM VALUE:	285.00 PPB
MINIMUM VALUE:	4.00 PPB
MEAN:	42.16 PPB
STD. DEVIATION:	69.52 PPB
COEFF. OF VARIATION:	1.65

5 HIGHEST AU VALUES:

87NML1	285 PPB
87NML13	175 PPB
87NML14	170 PPB
87NGL14	165 PPB
87NML2 40M	130 PPB

HISTOGRAM FOR AU CLASS INTERVAL = 8.3

MID CLASS PPB	CLASS %
< 4.00	3.13
8.15	65.63
16.45	3.13
24.75	0.00
33.05	3.13
41.35	9.38
49.65	0.00
57.95	0.00
66.25	0.00
74.55	0.00
82.85	0.00
91.15	0.00
99.45	0.00
107.75	0.00
116.05	3.13
124.35	0.00
132.65	3.13
140.95	0.00
149.25	0.00
157.55	0.00
165.85	3.13
> 170.00	7.50



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

TELEX: 04-352828 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON AU

COMPANY:HI-TEC RESOURCES

ATTN:GEORGE KING

PROJECT:87BC016

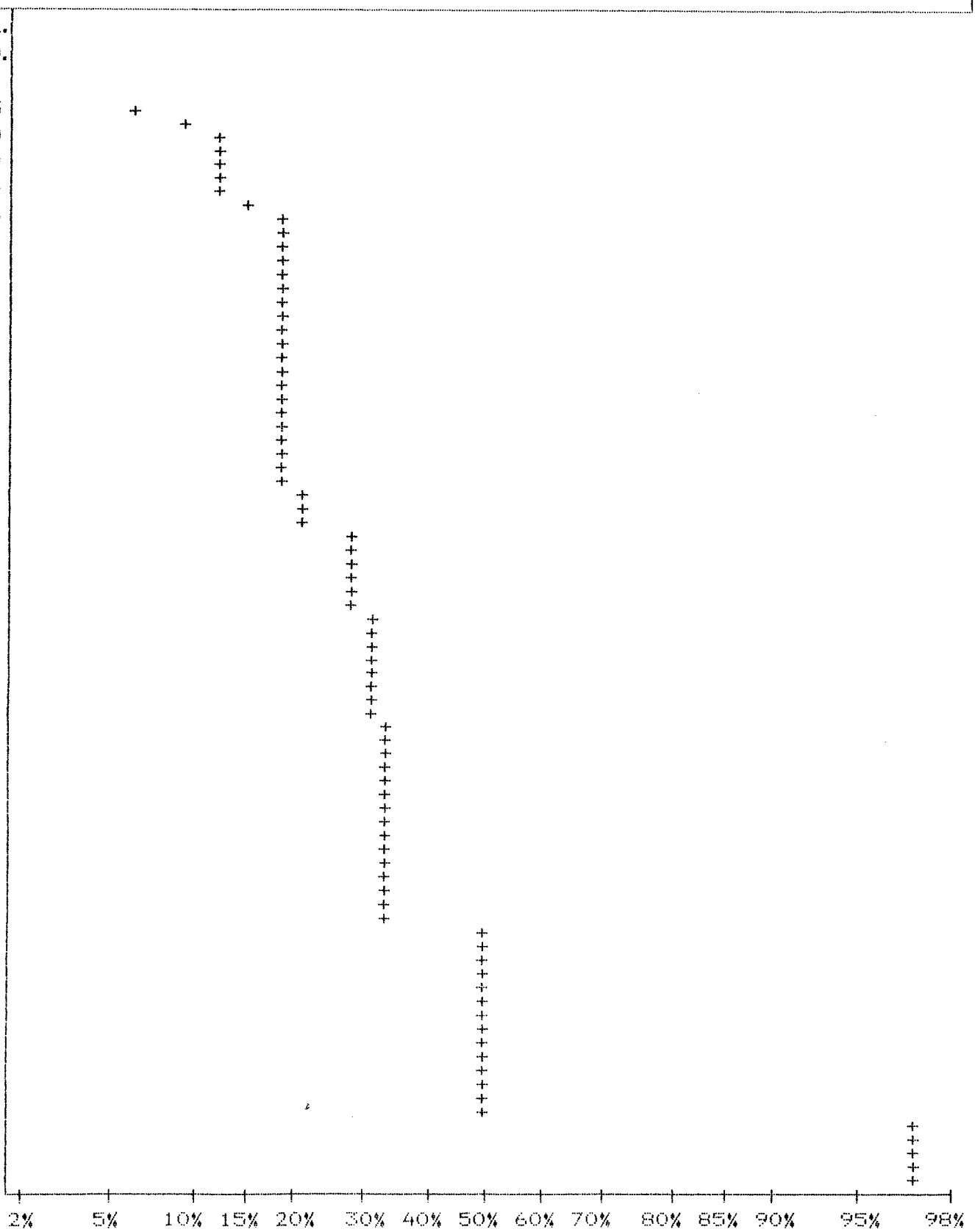
FILE#:7-710 7-746 7-1026 7-1138

DATE:NOV 12/87

SAMPLE TYPE:SILT

ANALYSIS TYPE:ICP

UPPER LIMIT (PPB)	CUMMUL. FREQ. (%)
173.80	6.25
157.78	12.50
143.24	12.50
130.04	12.50
118.05	18.75
107.17	18.75
97.29	18.75
88.32	18.75
80.18	18.75
72.79	18.75
66.08	18.75
59.99	18.75
54.46	18.75
49.44	18.75
44.88	21.88
40.74	21.88
36.99	28.13
33.58	28.13
30.48	28.13
27.67	31.25
25.12	31.25
22.81	31.25
20.70	31.25
18.80	34.38
17.06	34.38
15.49	34.38
14.06	34.38
12.77	34.38
11.59	34.38
10.52	34.38
9.55	50.00
8.67	50.00
7.87	50.00
7.14	50.00
6.49	50.00
5.89	50.00
5.35	50.00
4.85	96.88
4.41	96.88
4.00	96.88



APPENDIX V

Description of Rock Grab Samples

DESCRIPTION OF ROCK GRAB SAMPLES

87NGR-1	o/c grenish rock with minor pyrite
87NGR-2	o/c rusty wx. greenish rock with minor pyrite
87NGR-6	o/c rusty wx. with pyrite
87NGR-7	o/c rusty wx. with pyrite
87NGR-10	o/c rock with pyrite
87NGR-11	o/c disseminated pyrite
87NGR-16	o/c argillite with pyrite
87NGR-17	o/c feldspar, pyrite, po, molybdenite
87NGR-18	o/c argillite with disseminated pyrite
87NGR-19	float - rounded, rusty with pyrite
87NGR-21	o/c heavy rusty wx., pyrite
87NGR-24	o/c rusty wx., pyrite
87NGR-25	float - intr. with disseminated pyrite
87NGR-26	o/c green rock with pyrite
87NGR-27	o/c argillite with disseminated pyrite, ars(?)
87NGR-96	Outcrop, argillite with disseminated pyrite
87NGR-97	Subcrop, saliceous rock (chert?) with good disseminated pyrite and epidote
87NGR-98	Outcrop, argillite with pyrite along contact with quartzite
87NGR-99	Outcrop, argillite with disseminated pyrite along fractures
87NGR-100	Outcrop, disseminated pyrite in argillite and quartz vein
87NGR-101	Outcrop, disseminated pyrite and arsenopyrite in quartzite
87NGR-102	Outcrop; disseminated pyrite in argillite rock in area with limestone and quartzite
87NGR-103	Outcrop, disseminated pyrite in argillite

87NGR-104 Outcrop, limestone marbled with pyrite and arsenopyrite

87NGR-105 Outcrop, argillite with disseminated pyrite and massive pyrite

87NGR-106 Outcrop, massive pyrite in quartzy rock

87NGR-107 Outcrop, pyrite with a bit of argillite

87NKR-1 Float, pyrite bearing monzonite

87NKR-2 Float, pyrite in siliceous argillite

87NKR-3 Outcrop, pyrite "stringers" in siliceous argillite, associated with shear zone

87NKR-4 Similar to KR-3

87NKR-5 Outcrop, gossaned siliceous argillite with abundant pyrite

87NKR-6 Pyrite mineralization in shear zone in argillite outcrop

87NKR-7 Outcrop, pyrite in granite

87NKR-8 Magnetite and epidote associated with aplite dyke in granite outcrop

87NKR-9 Outcrop, pyrite and arsenopyrite from shear zone in granite

87NKR-10 Outcrop, pyritiferous granite

87NKR-11 Outcrop, pyrite in fracture in monzonite

87NKR-12 Calcareous argillite from outcrop

87NKR-13 From altered limestone outcrop

87NKR-14 Outcrop, pyrite and magnetite bearing hornfels on edge of monzonite

87NKR-15 Outcrop, near monzonite-limestone contact, pyritiferous and siliceous

87NKR-16 Outcrop, pyritiferous gossan in monzonite

87NKR-17 Float, pyrite in quartz vein material in monzonite

87NKR-18 Outcrop, pyritiferous(?) lamprophyre dyke

87NKR-19 Outcrop, quartz-carbonate vein in monzonite

87NKR-20 Argillite, outcrop with much pyrite

87NKR-21 Outcrop, from argillite near limestone contact, many large cubes of pyrite

87NKR-22 Outcrop, argillite near limestone contact, sphalerite, chalcopyrite, pyrite

87NKR-23 Outcrop, greenish, siliceous argillite with potassic alteration

87NKR-24 Outcrop, pyritiferous contact between monzonite and limestone

87NKR-25 Outcrop, siliceous argillite with pyrite

87NKR-26 Outcrop, pyritiferous gossan in siliceous argillite

87NKR-27 Outcrop, pyritiferous argillite

87NKR-28 Outcrop, pyritiferous argillite

87NKR-29 Strongly gossaned argillite

87NKR-30 Pyrite in epidotized, siliceous argillite

87NKR-31 Garrnet bearing skarn, outcrop

87NKR-32 ARgillite with pyrite, minor chalcopyrite, and malachite and azurite staining

87NKR-33 Garnetiferous skarn in o/c

87NKR-34 Very similar to KR-32

87NKR-35 Outcrop, strongly gossaned calcareous argillite with pyrite

87NKR-36 Outcrop, calcareous argillite with roughly 5% pyrite

87NKR-37 Outcrop, siliceous argillite with pyrite, tourmaline and quartz in shear zone

87NKR-38 Quartz vein (with terminated crystals) in argillite

87NKR-40 A siliceous, K-spar, epidote altered sample with disseminated pyrite

87NKR-41	Disseminated pyrite and molybdenite in skarn
87NKR-42	Pyrite, chalcopyrite and sphalerite mineralization at limestone-argillite contact.
87NKR-43	Argillite containing a minor amount of pyrrhotite.
87NKR-44	Pyrite-bearing argillite
87NKR-45	Semi-massive pyrite in argillite near limestone contact
87NKR-46	Sample from syenite-limestone contact, with abundant magnetite in this limestone
87NKR-47	Skarn from outcrop at soil anomaly
87NKR-48	Skarn with minor galena and sphalerite
87NKR-49	Pyrite bearing calc-cilicate
87NKR-50	Pyritiferous skarn
87NKR-51	Quartz vein material with pyrite (float)
87NKR-52	Pyrite from siliceous argillite
87NKR-53	Chalcopyrite in calcite vein in argillite
87NKR-54	Pyrite bearing skarn
87NKR-55	Pyrite-magnetite bearing skarn
87NKR-56	Pyrite-magnetite bearing skarn
87NKR-57	Pyrite-magnetite bearing skarn
87NKR-58	Pyrite-bearing skarn
87NKR-59	1 cm wide, pyrite bearing, quartz veinlet in arkosic wacke
87NKR-60	A sample from a 2-3 cm wide, molybdenite bearing quartz vein
87NKR-61	A brecciated, quartz-calcite vein with pyrite
87NKR-62	A 10 cm wide quartz vein, with vugs, and minor pyrite, in arkose outcrop
87NKR-63	8 cm wide quartz vein in arkose
87NKR-64	15 cm wide quartz vein in arkose

87NKR-65	5 cm wide quartz vein in arkose
87NKR-66	5 cm wide quartz vein in felsic intrusive-chalcopyrite mineralization
87NKR-67	Pyrite bearing, 12 cm wide quartz vein in felsic intrusive
87NKR-68	Pyritized zone in granite
87NMR-1	Float, cherty with arsenopyrite, pyrite, magnetite and chalcopyrite
87NMR-2	Float, pyrite, minor chalcopyrite on fractures
87NMR-3	Float, intrusive, quartz with molybdenite, chalcopyrite, pyrite
87NMR-4	Float, intrusive with disseminated pyrite, arsenopyrite
87NMR-5	Float, siliceous, cherty, good chalcopyrite and pyrite
87NMR-6	Float, banded argillite(?) with quartz, pyrite
87NMR-7	Float, quartz and pyrite
87NMR-8	o/c - small shear approximately 1 m wide, strike 240^{o} pyrite
87NMR-9	o/c - wx. cap on limestone
87NMR-10	o/c - mag. skarn, 3 m thick in places, massive magnetite
87NMR-11	Float, alt. intr. with arsenopyrite, chalcopyrite
87NMR-12	o/c vein, strike 220^{o} > 2 m thick, pyrite, arsenopyrite, trace chalcopyrite
87NMR-13	Float, quartz with pyrite, subangular
87NMR-14	o/c - argillite, pyrite, arsenopyrite, with sulphides >125 m, strike 280^{o}, thickness >2 m
87NMR-15	o/c - argillite, pyrite, arsenopyrite
87NMR-16	o/c - grab - good pyrite, occasional chalcopyrite
87NMR-17	o/c - pyrite, occasional chalchopyrite and quartz stringers

87NMR-18 o/c - grab, siliceous argillite, pyrite, chalcopyrite, shear zone area

87NMR-19 o/c - grab, siliceous argillite, pyrite, chalcopyrite, shear zone area

87NMR-20 o/c - random grab, sehar zone, chalcopyrite, pyrite, argillite

87NMR-21 o/c - random grab, shear zone, chalcopyrite, pyrite, argillite

87NMR-22 o/c - shear zone, siliceous, good chalcopyrite and pyrite with weathered white powder on faces and fractured planes, argillite.

87NMR-23 o/c good siliceous, min.. ___ chalcopyrite, pyrite >10 m argillite

87NMR-24 o/c - argillite contact c int., blude grey "clay" type excellent chalcopyrite, pyrite with good weathering

87NMR-25 o/c - poss. skarn breccia, approx. .5 m wide, chalcopyrite, pyrite taken from R-16 area.

87NMR-26 o/c - altered argillite, contact >8 m wide, massive pyrite, and chalcopyrite

87NMR-27 Same as 26, strike approx. 290°

87NMR-28 Same as above, random grab

87NMR-29 o/c - small pods in altered argillite, shear on north side, pyrite.

87NMR-30 o/c - same as above, almost cherty, pyrite grab

87NMR-31 o/c - Pyrite and occasional chalcopyrite in quartz stringers along limestone contact and argilite N.E. side Creek shear zone

87NMR-32 o/c - same as above, random grab

87NMR-33 o/c - high grade grab, chalcopyrite, pyrite in quartz

87NMR-35 Float, pyrite, chalcopyrite, bornite, malachite, magnetite, hematite, possible skarn

87NMR-39 o/c - cherty argillite with pyrite

87NMR-41 Float, intrusive with pyrite and arsenopyrite

87NMR-42 o/c - shear zone with pyritic mineralization in vein material over 10 m wide

87NMR-42 o/c - chip sample over 37 cm, quartz with pyrite

87NMR-43 o/c - quartz filled grab with pyrite, chalcopyrite, tetrahedrite? possible fine Pb, Zn

87NMR-44 o/c - quartz in altered intrusive, pyrite, chalcopyrite, covellite? tetrahedrite?

87NMR-45 o/c - grab, massive pyrite

87NMR-46 Float, quartz vein material with pyrite, chalcopyrite, malachite, MOS_2? or Dess. Pbs: 75' below above showing

87NMR-47 o/c - quartz with pyrite

87NSR-1 o/c - rusty wx. siliceous argillite with disseminated pyrite

87NSR-2 o/c - rusty wx. argillite with disseminated and clots of pyrite. Possible shear zone (slickensides)

87NSR-3 o/c - green, siliceous, fractured dyke approx. 6 m wide, prophyry in places with epidote alteration contains dissemined pyrite. Dyke appears to be related to magnetite skarn.

87NSR-4 o/c - siliceous argillite with chalcopyrite, pyrite, on fractures - rusty wx. possible shear zone.

87NSR-5 o/c same location as R4, felsic porphyry intrusive possible dyke with pyrite, chalcopyrite, disseminated on fractures

87NSR-6 o/c - ravine appears to be N.E. shear zone. ARgillite is highly fractured and rusty wx. siliceous zones contain pyrite, chalcopyrite

87NSR-7 o/c - felsic dyke with disseminated pyrite

87NSR-8 o/c - siliceous argillite with up to 10% pyrite, minor chalcopyrite

87NSR-9 o/c - rusty shear zone 2 m wide containing pods 20 cm x 60 cm of 75% sulphides - pyrite, chalcopyrite, sphalerite. Shear is in siliceous argillite. Strike approx. S.E.

87NSR-11 o/c felsic intrusive with pyrite and chalcopyrite

87NSR-13 o/c - 10 cm quartz vein 5% coarse pyrite. In medium grained intermediate hornblende intrusive

87NSR-14 o/c 2-3 cm quartz vein in siliceous intrusive. Contains minor pyrite anc chalcopyrite

87NSR-15 o/c - small shear in intrusive. Contains stringers of pyrite

87NSR-16 o/c - sulphide pod in limestone. 50% pyrite, sphalerite

87NSR-17 o/c - contact between hornblende intrusive and limestone - argillite. Rusty wx. shear with disseminated pyrite. Possibly some malachite.

APPENDIX VI

Statement of Costs

STATEMENT OF COSTS

Norman Resources Ltd. - Project 87BC016

Personnel - Field Days			
A. Smallwood, Project Manager	12.0 days @ $250.00/day	$3,000.00	
G. King, Project Geologist	12.0 days @ $375.00/day	4,500.00	
J. McCaffrey, Prospector	12.0 days @ $250.00/day	3,000.00	
G. Mowatt, Technican	12.0 days @ $175.00/day	2,100.00	
G. Gormley, Cook	12.0 days @ $200.00/day	2,400.00	
			$15,000.00
Supervision			
J.P. Sorbara	2.0 days @ $400.00/day		800.00
Project Preparation			2,000.00
Mobilization/Demobilization			5,317.40
Geochemistry			
141 rocks	6 element ICP FA Au @ $14.25	$2,009.25	
106 soils	6 element ICP AA Au @ $ 9.90	1,049.40	
1 silt	6 element ICP FA Au @ $12.15	12.15	
5 pan concentrates	6 element ICP FA Au @ $12.15	60.75	
Freight		81.00	
			3,242.55
Statistical Analysis			69.00
Camp Costs			
Food - 5 men x 12.0 days @ $ 25.00/day		$1,500.00	
Camp Rental	12.0 days @ $175.00/day	2,100.00	
Supplies, Fuel		1,108.00	
Freight		108.00	
Expediting and Communications		760.00	
Radio Rental		653.00	
			6,229.00
Air Support - Helicopter - 12.5 hours		$7,997.00	
- Fixed Wing		270.00	
			8,267.00
Office Overhead			1,476.00
Report Compilation and Drafting			4,000.00
Stand-by and Camp Days - 2 days @ $1,550.00/day			3,100.00
		TOTAL:	**$49,500.00**

CAM 10

JP 4

CAM 9

LEGEND

- A felsic intrusive; granite, monzonite, syenite, etc.
- B intermediate to mafic intrusive; diorite, etc.
- Ad felsic dykes
- C mafic dykes
- 6 rhyolite, dacite (felsic volcanics)
- 7 andesites, etc; intermediate mafic volcanics
- 9 basalt
- Z limestone
- 1 argillite, phyllite, siltstone, etc.
- 1a meta-argillites, etc.
- 4 quartzite, arkose, etc.
- 10 calc-silicate
- shear zone
- fault
- anticline
- syncline
- strike and dip

0 50 100 200 300 400 500
scale in metres

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,955

N

NORMAN RESOURCES LTD.

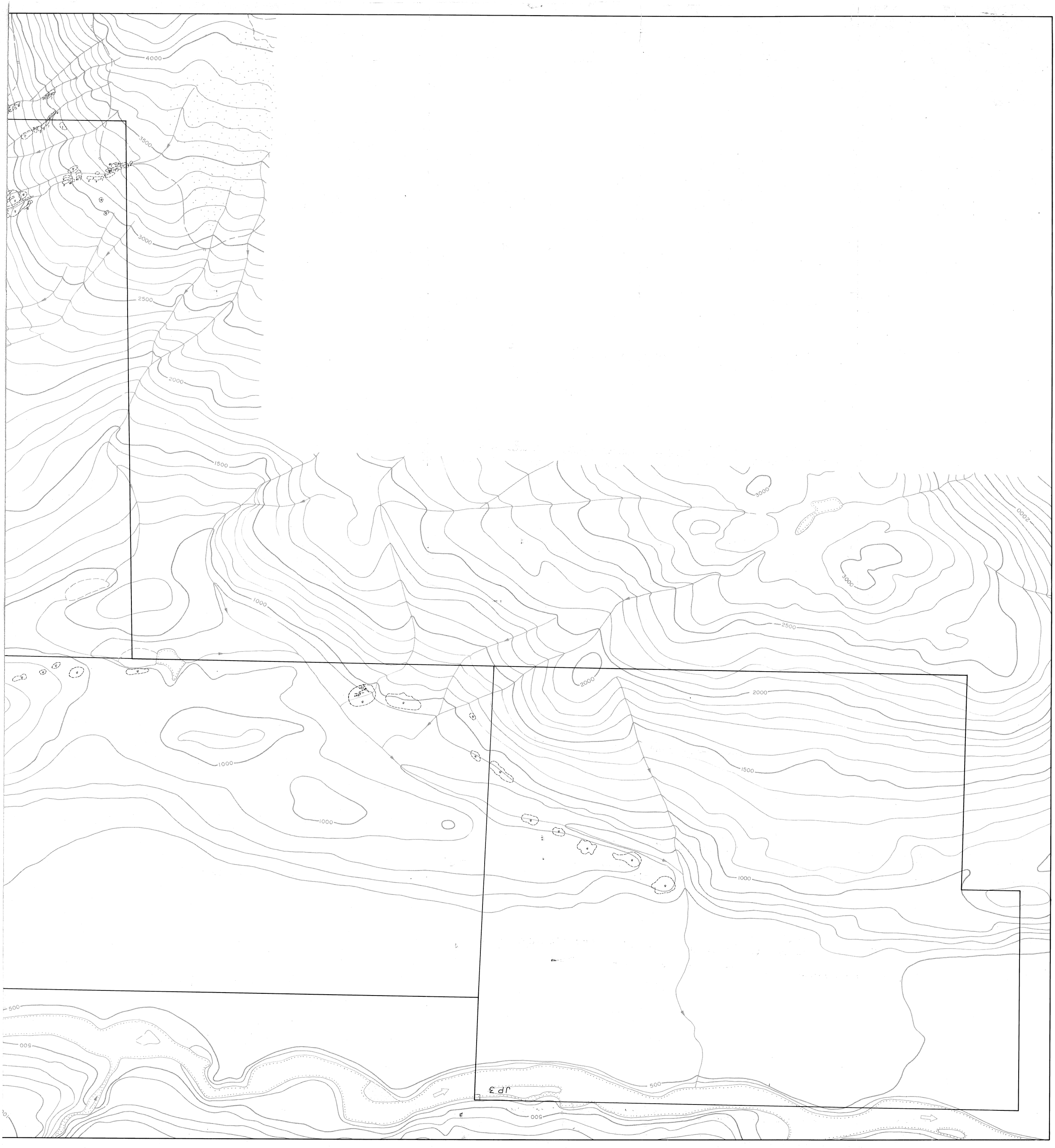
JP 3,4 & CAM 9,10 CLAIMS

Liard Mining Division, B.C.

PROPERTY GEOLOGY

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN. BY	DATE Nov. '87
N.T.S. 104 B/10E,W	FIGURE No. 4
SCALE 1:5000	


4000
3500
3000
2500
2000
1500
1000
500
JP 3

CAM 10

JP 4

CAM 9

r line sample values

Ag		Au	Ag
0.7		5	1.6
0.5		5	2.4
0.8		135	1.9
0.8		5	2.6
1.0	GS 95	35	2.1
.4			
1.3	GS 110	5	2.1
1.7		5	1.8
3.9		5	2.3
1.9		20	0.9
1.5		10	1.9
2.8	GS 115	5	1.5
0.9		20	1.3
1.9		240	2.1
1.9		10	0.4
1.0		5	1.3
.8	GS 120	20	1.2
3.0		10	2.3
1.2		10	0.9
1.9		5	0.7
1.5		5	0.9
1.5	GS 125	5	0.8
1.2		5	1.2
1.4		30	4.9
2.5		5	1.3
1.7		5	1.8
	GS 130	5	0.8
1.4		10	1.4
2.3	GS 132	30	3.3
2.9			
2.9	GS 133	5	0.8
1.1		5	0.9
1.3	GS 135	10	1.1
1.0		5	1.1
1.9		5	1.5
1.0		250	1.5
1.1		60	1.3
	GS 140	5	1.5
1.1		15	1.8
5		10	2.6
1.4		5	3.8
1.2		20	1.5
1.3	GS 145	10	1.5
1.8		20	1.4
7		5	4.2
3		10	1.4
7		5	1.0
3	GS 150	5	1.2
3			
4			
1.9	MR 1	4	1.9
4		3	1.2
1.7		2	1.5
		4	1.4
		5	1.6
		3	1.8
	MR 7	105	1.5

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,955

GOLD (ppb)
SILVER (ppm)

o rock sample

⊕ soil sample

□ silt sample

⊠ pan sample

0 50 100 200 300 400
metres

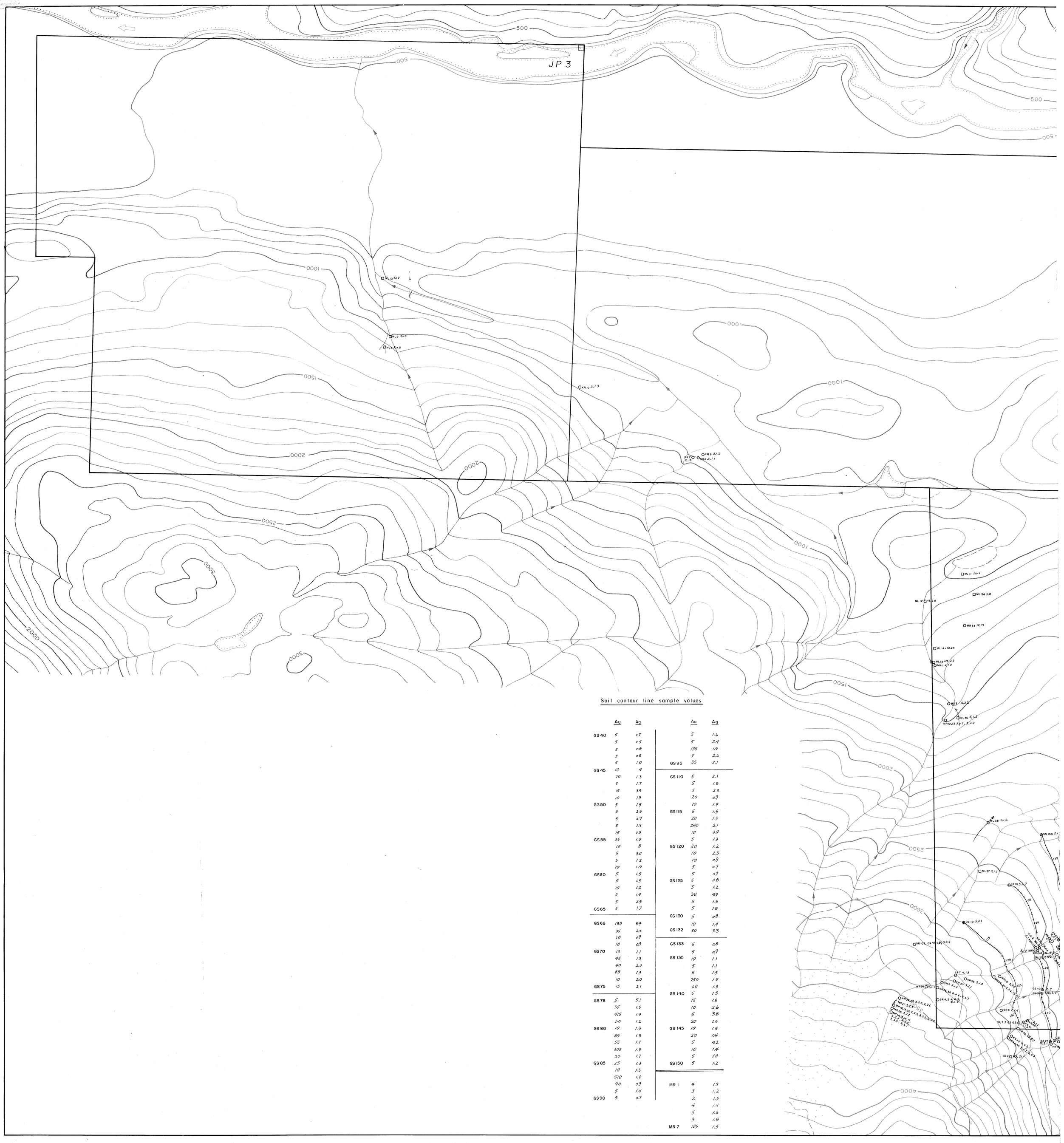
NORMAN RESOURCES LTD.

JP 3,4 & CAM 9,10 CLAIMS
Liard Mining Division, B.C.

GEOCHEMISTRY
Gold (ppb) & Silver (ppm)

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN. BY	DATE Nov. '87
N.T.S. 104 B/10 E,W	FIGURE No. 5
SCALE 1:5000	



Soil contour line sample values

	Au	Ag		Au	Ag
GS 40	5	0.7		5	1.6
	5	0.5		5	2.4
	5	0.8		135	1.9
	5	0.8		5	2.6
	5	1.0	GS 95	35	2.1
GS 45	10	.4			
	40	1.3	GS 110	5	2.1
	5	1.7		5	1.8
	15	3.9		5	2.3
	10	1.9		20	0.9
GS 50	5	1.5		10	1.9
	5	2.8	GS 115	5	1.5
	5	0.9		20	1.3
	5	1.9		240	2.1
	15	0.9		10	0.4
GS 55	35	1.0		5	1.3
	10	8	GS 120	20	1.2
	5	3.0		10	2.3
	5	1.2		10	0.9
	10	1.9		5	0.7
GS 60	5	1.5		5	0.9
	5	1.5	GS 125	5	0.8
	10	1.2		5	1.2
	5	1.4		30	4.9
	5	2.5		5	1.3
GS 65	5	1.7		5	1.8
			GS 130	5	0.8
GS 66	130	3.4		10	1.4
	35	2.3	GS 132	30	3.3
	60	0.9			
	10	0.9	GS 133	5	0.8
GS 70	10	1.1		5	0.9
	45	1.3	GS 135	10	1.1
	40	2.0		5	1.1
	85	1.9		5	1.5
	10	2.0		250	1.5
GS 75	15	2.1		60	1.3
			GS 140	5	1.5
GS 76	5	5.1		15	1.8
	35	1.5		10	2.6
	415	1.4		5	3.8
	30	1.2		20	1.5
GS 80	10	1.3	GS 145	10	1.5
	85	1.8		20	1.4
	55	1.7		5	4.2
	605	1.3		10	1.4
	20	1.7		5	1.0
GS 85	25	1.3	GS 150	5	1.2
	10	1.3			
	510	1.4			
	40	0.9	MR 1	4	1.9
	5	1.4		3	1.2
GS 90	5	0.7		2	1.5
				4	1.4
				5	1.6
				3	1.8
			MR 7	105	1.5

line sample values

		As	Sb
		15	1
		15	2
		17	1
		24	1
	GS 95	15	1
	GS 110	23	4
		18	3
		32	2
		22	3
		21	2
	GS 115	29	3
		14	5
		37	4
		15	3
		21	5
	GS 120	11	5
		7	4
		46	2
		27	5
		1	6
	GS 125	32	2
		4	5
		25	4
		6	1
		14	7
	GS 130	20	6
		19	9
	GS 132	8	4
	GS 133	1	1
		13	3
	GS 135	5	4
		8	2
		10	4
		2	4
		13	5
	GS 140	5	6
		26	5
		5	6
		5	4
		26	6
	GS 145	5	5
		5	7
		2	7
		2	8
		8	7
	GS 150	10	8
	MR 1	7	3
		12	2
		18	2
		7	2
		10	4
		11	1
	MR 7	17	1

JP 4

CAM 10

CAM 9

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,955

ARSENIC(ppm)
OKR68 2,3
ANTIMONY(ppm)

○ rock sample

● soil sample

□ silt sample

⊠ pan sample

0 50 100 200 300 400
metres

NORMAN RESOURCES LTD.

JP 3,4 & CAM 9,10 CLAIMS

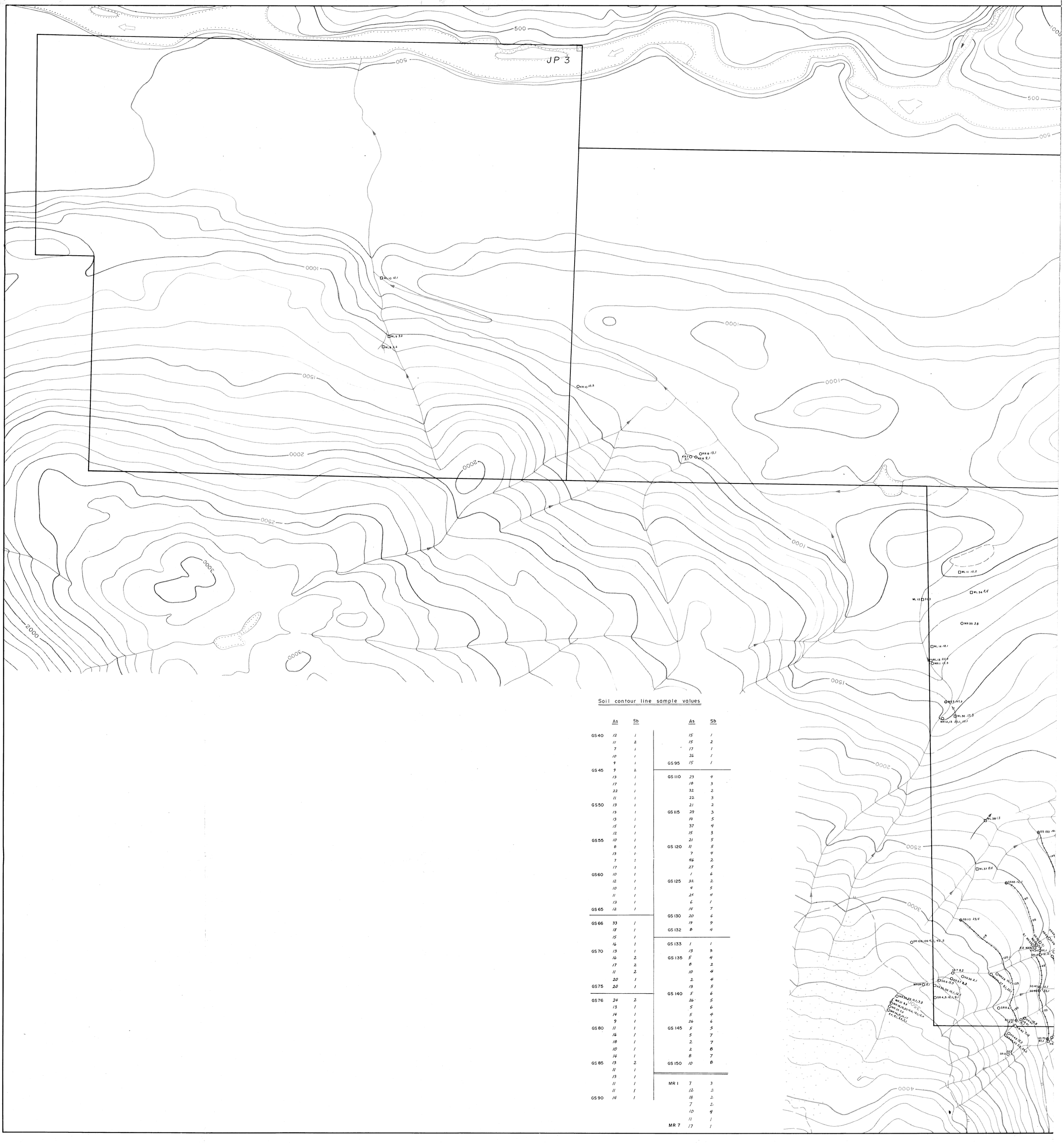
Liard Mining Division, B.C.

GEOCHEMISTRY

Arsenic (ppm) & Antimony (ppm)

HI-TEC RESOURCE MANAGEMENT LIMITED

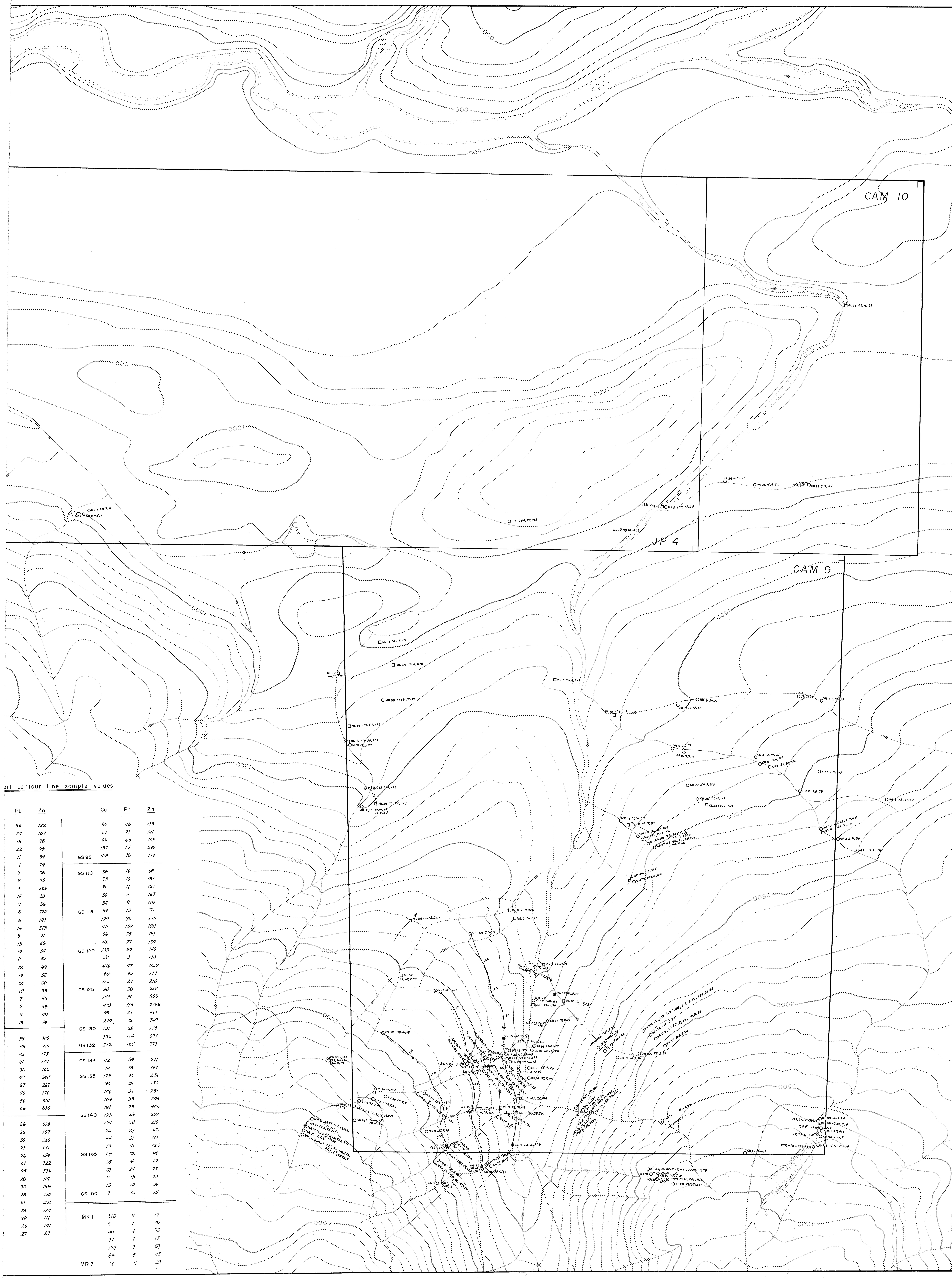
DWN. BY	DATE Nov. '87
N.T.S. 104 B/10 E,W	FIGURE No. 6
SCALE 1:5000	



Soil contour line sample values

	As	Sb
GS 40	12	1
	11	2
	7	1
	10	1
	9	1
GS 45	9	2
	13	1
	17	1
	22	1
	11	1
GS 50	13	1
	13	1
	13	1
	15	1
	12	1
GS 55	10	1
	8	1
	13	1
	7	1
	17	1
GS 60	10	1
	12	1
	10	1
	11	1
	13	1
GS 65	12	1
GS 66	33	1
	18	1
	15	1
	16	1
GS 70	13	1
	16	2
	17	2
	11	2
	20	1
GS 75	20	1
GS 76	24	2
	13	1
	14	1
	9	1
GS 80	11	1
	16	1
	18	1
	10	1
	14	1
GS 85	13	2
	11	1
	13	1
	11	1
	11	1
GS 90	14	1

	As	Sb
	15	1
	15	2
	17	1
	26	1
GS 95	15	1
GS 110	23	4
	18	3
	32	2
	22	3
	21	2
GS 115	29	3
	14	5
	37	4
	15	3
	21	5
GS 120	11	5
	7	4
	46	2
	27	5
	1	6
GS 125	32	2
	4	5
	25	4
	6	1
	14	7
GS 130	20	6
	19	9
GS 132	8	4
GS 133	1	1
	13	3
GS 135	5	4
	8	2
	10	4
	2	4
	13	5
GS 140	5	6
	26	5
	5	6
	5	4
	26	6
GS 145	5	5
	5	7
	2	7
	2	8
	8	7
GS 150	10	8
MR 1	7	3
	12	2
	18	2
	7	2
	10	4
	11	1
MR 7	17	1



oil contour line sample values

Pb	Zn
30	122
24	107
18	48
22	45
11	39
7	74
9	38
8	45
5	286
15	28
7	36
8	220
6	141
14	513
9	71
13	66
14	54
11	33
12	49
19	55
20	80
10	33
7	46
5	54
11	40
13	74
59	305
48	210
42	179
41	170
36	166
49	240
67	267
46	176
56	310
66	330
66	558
26	157
35	266
25	171
26	154
37	322
45	336
28	114
30	138
28	210
31	232
25	124
29	111
26	141
27	87

	Cu	Pb	Zn
	80	46	133
	57	21	141
	66	40	153
	137	67	290
GS 95	108	38	173
GS 110	38	16	68
	33	19	187
	91	11	121
	59	4	167
	34	8	113
GS 115	39	13	76
	194	30	245
	411	109	1011
	96	25	191
	48	27	150
GS 120	123	34	146
	50	3	138
	416	47	1120
	84	33	177
	112	21	210
GS 125	80	38	210
	149	56	603
	403	115	2748
	93	37	461
	229	72	769
GS 130	106	28	178
	336	114	697
GS 132	242	135	373
GS 133	112	64	271
	74	33	197
GS 135	125	33	231
	83	29	139
	106	32	237
	103	33	205
	188	73	405
GS 140	125	26	209
	141	50	219
	26	23	62
	44	31	101
	78	16	125
GS 145	64	22	98
	25	4	62
	29	24	77
	9	13	29
	13	10	39
GS 150	7	16	15
MR 1	310	9	17
	8	7	88
	141	4	38
	97	7	17
	144	7	87
	84	5	45
MR 7	26	11	29

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,955

NORMAN RESOURCES LTD.

JP 3,4 & CAM 9,10 CLAIMS

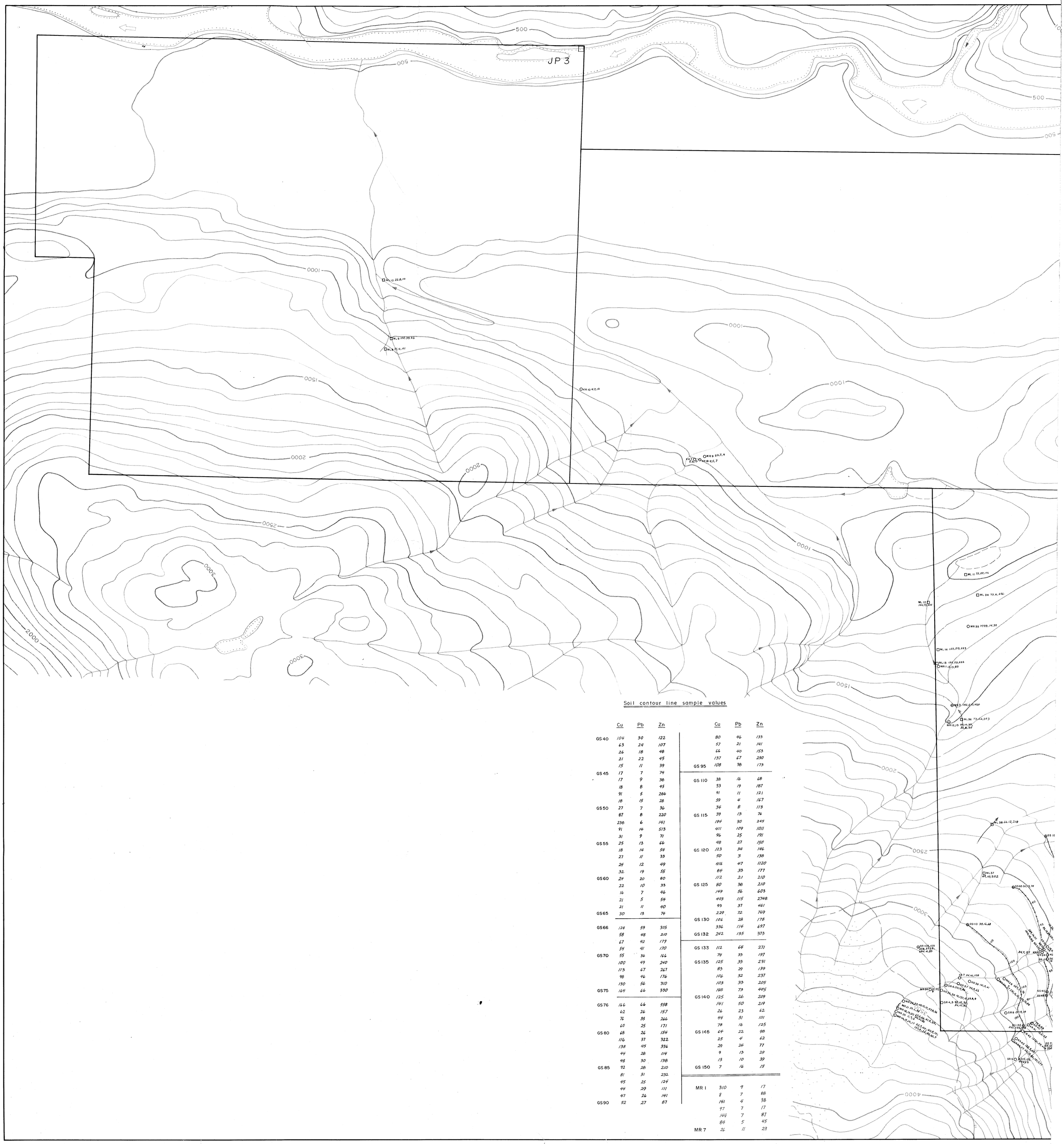
Liard Mining Division, B.C.

GEOCHEMISTRY

Copper (ppm), Lead (ppm) & Zinc (ppm)

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN. BY	DATE Nov. '87
N.T.S. 104 B/10 E,W	FIGURE No. 7
SCALE 1:5000	



Soil contour line sample values

	Cu	Pb	Zn
GS 40	104	30	122
	63	24	107
	26	18	48
	21	22	45
	15	11	39
GS 45	17	7	74
	17	9	38
	18	8	45
	91	5	286
	18	15	28
GS 50	27	7	36
	87	8	220
	238	6	141
	91	14	513
	31	9	71
GS 55	25	13	66
	18	14	54
	27	11	33
	24	12	49
	32	19	55
GS 60	24	20	80
	22	10	33
	16	7	46
	21	5	54
	21	11	40
GS 65	30	13	74
GS 66	124	59	305
	58	48	210
	67	92	179
	54	41	170
GS 70	55	36	166
	100	49	240
	113	67	267
	98	46	176
	130	56	310
GS 75	164	66	330
GS 76	144	66	558
	62	26	157
	76	35	266
	60	25	171
GS 80	68	26	154
	116	37	322
	138	45	334
	44	28	114
	48	30	138
GS 85	92	28	210
	81	31	232
	45	25	124
	44	29	111
	47	26	141
GS 90	52	27	87
	80	46	133
	57	21	141
	66	40	153
	137	67	290
GS 95	108	38	173
GS 110	38	16	68
	33	19	187
	91	11	121
	59	4	167
	34	8	113
GS 115	39	13	74
	194	30	245
	411	109	1011
	96	25	191
	48	27	150
GS 120	123	34	146
	50	3	138
	416	47	1120
	84	33	177
	112	21	210
GS 125	80	38	210
	149	56	603
	403	115	2748
	93	37	461
	229	72	769
GS 130	106	28	178
	336	114	697
GS 132	242	135	373
GS 133	112	64	271
	74	33	197
GS 135	125	33	231
	83	29	139
	106	32	237
	103	33	205
	188	73	405
GS 140	125	26	209
	141	50	219
	26	23	62
	44	31	101
	78	16	125
GS 145	64	22	98
	25	4	62
	29	24	77
	9	13	29
	13	10	39
GS 150	7	16	15
MR 1	310	9	17
	8	7	88
	141	4	38
	97	7	17
	144	7	87
	84	5	45
MR 7	26	11	29