ASSESSMENT REPORT

MINING DIVISION

NANAIMO

Author:	Jean-Pierre Loiselle
Owner:	Guy Delorme and Jean-Pierre Loiselle
NST:	92E/13E
Latitude:	49°502'
Longitude:	125° 32'
Date:	December 1988

QUINSAM 1

IRON HILL OPEN PIT

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CHAPTER 1

INTRODUCTION

The Quinsam 1 claim group, consists of 20 units staked July 24, 1987, to cover the Iron Hill skarn deposit and several significant anomalies. This report compiles data from old records, reports, and assessments. Research indicates a general reconnaissance was done in the summer of 1988.

The claims are underlain by a contact metasomatic magnetite deposit which consists of the Karmutsen Formation (volcanics), the Quatsino Formation (limestone), and the Island Intrusions (Granodiorite).

A summary of the ore reserves were done in 1962 showing approx. 1,000,000 tons 58% Iron. An analysis was done of the limestone in 1977 by Canada Cement Lafarge Ltd., it was chemically high grade: 99% pure Ca CO_3. In 1988 we estimated approx. 3,000,000 tons of garnet on the claims.

The western part of the claim is traversed by the major Hawkins fault, which permitted the mineralized solutions to migrate to the surface through fractures, the Eureka & Cobalt anomalies can be related to that fault, for a few meters I observed chalcopyrite and pyrite in nodules with a trace of: Au, Ag, As, Co, Fe, Ni, W, Zn, and in fractures malachite and erythrite. For several hundred meters we find malachite and disseminated chalcopyrite and pyrite with outcrops aligned east-west.

Considering the geochemical anomalies and the mineralized outcrops on our claims, the alteration and the tectonic processes, I believe that further detailed investigations will extend the ore reserves of iron, copper, and possibly precious or industrial metals.

In terms of accessibility and location there is no doubt that the economic viability of the property is excellent.

1.2 LOCATION AND ACCESS

The Quinsam 1 claim group is located 24 miles west of Campbell River on Vancouver Island. Travelling time is about 45 minutes by road.

The claims are accessible by car from Campbell River. Take highway # 28 for 12 miles turn left to Quinsam Coal Ltd., the logging road is in use every day by B. C. Forest Products and a productive coal mine. See: 3.2

1.3 CLAIM DESCRIPTION

Owner: Guy Delorme and Jean-Pierre Loiselle
Free miner certificate: Guy Delorme 279842
Jean-Pierre Loiselle 279843
Record Number: 2742
Claim Unit: 4 units south, 5 units west
L.C.P. Co-ordinates: Latitude 49° 52' 30"
Longitude: 125° 32' 40"
Date: July 24, 1987

The Quinsam 1 claim group consists of 20 units and was staked July 24, 1987. It is owned by Guy Delorme of Surrey and Jean-Pierre Loiselle of Campbell River B. C. See 3.3

1.4 HISTORY

Before 1914 several tunnels were driven in the Iron Hill by Seattle interests. In 1916, the property was referred to as being under the control of Quinsam Lake Iron Syndicate. No work had been done on the property until the Coast Iron Company Ltd. started diamond drilling and quarrying late in 1948.

The Argonaut Company optioned the property in 1949 and did some drilling. Early in 1951 more drilling was done completing a total of more than 12,000 feet.

Stripping and mining were started in 1952, production has been increased to about 65,000 long tons of magnetite concentrates per month. They shipped 1,964,247 tons of concentrates during the period 1951 to 1957. The property has been idle since October 1957.

In 1962, an estimate of the ore reserve possibility's was prepared for Colonial Mines Ltd. In 1971, a geochemical survey and geology has been done on the west part of Quinsam 1, about 1.5 km. west of the open pit, by Panther Mines Ltd. See: Assessment report no: 3445. In 1974, percussion drilling was done on Eureka & Cobalt anomalies by Getty Mines Ltd. See: assessment report no: 5075. In 1979, a geophysical survey was done by Birch Industries Inc. See assessment report no: 7193.

1.5 PHYSIOGRAPHY

The Quinsam 1 claims are located south of Upper Quinsam Lake in a mountaineous area. Elevation ranges from 1,200 feet above sea level to a maximum of 1,900 feet on the south east side of the claim group.

Hawkins Creek, Sihun Creek, and Mine Creek run northerly into Upper Quinsam Lake, ample water is available from Hawkins and Sihun Creek but Mine Creek did not flow by the end of August and September 1988. Recent logging removed all good timber.

The climate is moderate and very pleasant in summer, winter snowfalls are heavy but are insufficient to halt any mining operation. The outcrop exposure is good as a result of steep terrain.

The Ecosystem classification from the biogeoclimatic map of Vancouver Island shows that our claims are located in drier Maritime CWH (CWHA) subzones and Leeward Mountain Maritime CWHB (CWHB4) Variant.

1.6 GEOLOGY OF QUINSAM 1

The Quinsam 1 claim group is underlain by three dominant geological formations.

A) The Karmutsen Formation which is from the Upper Triassic and older, consists of pillow basalt, pillow breccia, massive basalt flow, volcanic breccia, andesite, meta-volcanic and greenstone. In many areas the volcanic rocks are magnetic, on the west side of Hawkins fault in some areas the volcanic rocks are green and are different from the east side including a considerable variety of colors, from gray-green, green to greenish-black.

B) The Quatsino Formation which is from the Upper Triassic, consists of massive to thick bedded limestone, in the open pit we can see it according to an old report the limestone is probably synclinal with a maximum depth of about 600 feet.

C) The Island Intrusions which are from the Middle to Upper Jurassic, consists of biotite or hornblende granodiorite, sometimes quartz-diorite, south-east of the ore deposit the granodiorite is green, probably from epidote or diopside. The Intrusion went through the Karmutsen Formation at Sihun Creek close to the main logging road.

1.7 GEOLOGY OF THE ORE DEPOSIT

According to different reports the Iron Hill deposit is representative of a large number of contact metasomatic magnetite deposits which occur on Vancouver Island .

The ore deposit is located at the contact of the Karmutsen Formation (volcanic), the Quatsino Formation (limestone), and the Island Intrusions (granodiorite).

A) The Karmutsen Formation has an elongated shape and is enclosed by the limestone and appears to overlie-it.

1.7 These fine grained rocks range in colour from gray-green to many shades of green. They have been intensively altered and fractured, the original mineralogy and texture have been largely obliterated. These rocks are massive and near the contact of the skarn, are well fractured and traversed by a network of veinlets of quartz and carbonate. By visual observation we can see that the volcanic rocks have been strongly influenced by the alteration processes: Epidotization, chloritization, sericitation, garnetization, magnetization have occured in the volcanic rocks by replacement. Strong magnetism is exhibited in some areas of these volcanic rocks.

B) The Quatsino Formation consists of completely recrystallized limestone with well preserved bedding, most of the beds are white or light gray. According to old reports, the thicknesses range from a few feet to possibly as much as 200 feet. It appears that the limestone is U-shaped and is a single group of beds folded into an overturned syncline. According to old reports, at the eastern end of the northern limestone, the beds curve around and dip westward suggesting continuity between the two masses. The result of the diamond drilling suggests that the two masses come together at depth.

The analysis of the limestone show: Calcium carbonate 98.88%, acid insoluable matter 1.29%, total iron .09%, and total sulphur 0.07%. The sample is chemically a high grade limestone.

C) The Island Intrusion consists of granodiorite, a fresh looking rock, light gray in colour, composed of dark green hornblende crystals in a nearly white groundmass. South of the open pit along the road going to the third level, the granodiorite intrudes the Karmutsen Formation. There is an area located south-east of the ore deposit where the granodiorite is green but only one meter wide, probably from the epidotization.

D) The skarn is mainly composed of garnet and magnetite. It occurs along the limestone-volcanic contact. The garnetite is yellowish to brown mainly andradite and grossularite, in some areas the garnetite is well crystallized. The contact is irregular and sharp not gradational, it also occurs in the volcanic rocks probably by replacement.

1.8 GEOLOGY OF EUREKA & COBALT ANOMALY

Eureka & Cobalt anomaly is located approx. 1.5 km. west of the open pit between Hawkins and Sihun Creeks and approx. 250 m south of the Upper Quinsam Lake. It is accessible by logging road.

The anomaly is underlain by the Karmutsen Formation which is from the Upper Triassic and older consisting mainly of volcanics, amygdaloidal basalt and andesitic flow which in some areas are lightly magnetic. The amygdules are filled with magnetite, the volcanics are fine grained rocks ranging in colour from gray-green to greenish-black. On the north side of the logging road, the volcanics are traversed by a network of veinlets of quartz and carbonate.

1.9 GEOLOGY OF SIHUN CREEK ANOMALY

Sihun Creek anomaly is located at approx. 1.2 km west south west of the open pit. It starts at the south claim line going north to the main logging road in the center of the claim group.

The anomaly is underlain by the Karmutsen Formation and consists mainly of volcanics which in some areas are strongly magnetic for a distance of 115 m long. About 10 to 15 meters underneath, we find some quartz veins which are mineralized. Going north from the claim line following the creek at 124 m another quartz and calcite vein is 5 cm wide. At 285 m north of the claim line following the creek at a right angle turn of the creek we see the volcanics which are traversed by a network of veinlets of calcite with a small amount of pyrite in the volcanics. At 530 meters we see some garnetite in contact with the volcanics for at least one meter wide and finally close to the bridge we find an intrusion of granodiorite in contact with the volcanics, also we see some garnetite. Replacement of the volcanics are apparently incomplete and consist of vein-like masses of garnetite, fractures must have played a part in localizing replacement.

1.10 MINERALIZATION

A) Iron Hill

The ore is skarn type, which consists mainly of garnet and magnetite. The main body of skarn is located between the limestone and the greenstone, the general proportion of the two major minerals in the skarn change near the contacts magnetite decreases in proportion and garnetite increases.

Garnet rich skarn is in many places veined by magnetite. At the first level above the water for a distance of about 10 to 15 meters, we find in the garnetite malachite and erithryte in minor quantities, in many places the garnetite reacts with 10% HCL, in one area the garnetite is green which probably means it has been epidotized. However, the ore zone has every possibility of being deeper for some distances below the pit floor because of irregularities in the granodiorite contact and further detailled investigations along the contact of the Karmutsen Formation and Island Intrusion which is several kilometers long, may extend the ore reserves.

According to different reports, the thickness of the ore zone varies from a few centimeters to as much as 70 meters and is generally greatest near the synclinal axial plane. The ore formation and replacement were aided by the presence of the limestone, and greenstone is a favourable host rock because it was intensively shattered and more permeable to mineralized fluids than limestone.

Garnet is an interesting industrial mineral, in many areas it is well crystallized, and the crystals range in size from a few millimeters to a centimeter.

The limestone is completely recrystalized, the thicknesses range from a few feet to as much as 200 feet. Canada Cement Lafarge Ltd. made an analysis in April 1977 in Richmond, B. C. and the result shows: Ignition loss (1,000) 43.72%, CO_2 43.50%, CAO 55.56%, MGO nil 55.56%, CAO out of a maximum of 56% means 99% pure CA CO_3 the sample is chemically a high grade limestone. This high calcium limestone is considered to be low iron and sulphur content. See: 4.2, 4.7, 4.8, 4.9

1.10 B) Sihun Creek Anomaly

Located approx. 1.2 km west-south-west of the ore deposit, the main anomaly is located close to the south claim line on the top of the cliff which is approx. 10 to 15 m high. This area consisting of volcanic rocks is strongly magnetic, for a distance of 115 m long and some samples are almost pure magnetite, see SC-140 and STN-33. Locally these volcanic rocks are greenish in colour.

Located at a top of a cliff, about 15 m north of the south claim line at the corner of Sihun Creek which turn at right angles we find some chalcopyrite, pyrite, garnet, epidote, malachite, and magnetite, these volcanics are strongly altered and fractured. See: 4.6 SC-136, SC-137

At the bottom of the cliff, just 10 to 15 m underneath the samples SC-136 and 137, there is a quartz and calcite vein which reacts with 10% HCL, this vein is pyritic, an analysis showed: 7,753 ppm Cu, 480 ppb Au, 173 ppm Cr. These volcanic rocks are strongly altered and fractured. See: STN-25.

Approx. 124 m north of the claim line following the creek, there is another quartz and calcite vein about 5 cm wide mineralized with chalcopyrite, pyrite, and a little malachite. We are at the bottom of the cliff. See: STN-26 and chapter 4.6.

At 92 m east and 115 m north of the turn of the creek on the top of the cliff we find some pure magnetite, in the volcanics which in some areas are greenish and have minor quartz in them. See: STN-33 and chapter 4.6.

At 285 m north of the claim line following the Sihun Creek, the volcanics are traversed by a network of calcite veins exhibiting minor pyrite in the volcanics.

530 m north of the claim line, the volcanic rocks contain some garnetite about one meter wide with minor chalcopyrite and malachite, the garnetite in some areas is strongly magnetic, and reacts with 10% HCL. See: sample SC-107 and STN-28. 15 m north of the garnetite we find a 30 cm wide volcanic which is strongly magnetic. See: SC-108.

1.10 B) 600 m north of the claim line following the Sihun Creek, and about 25 m south of the bridge of the main logging road the volcanics have been shattered and are lightly magnetic. These fractured and altered rocks which are located beside an intrusion of granodiorite have no visible mineralization. See sample SC-109, beside this shattered volcanic the granodiorite is greenish. Located approx. 15 m south of the bridge near the contact there is some crushed garnetite in contact with volcanic rocks which are magnetic, there is also some epidote in the garnetite. See sample SC-178.

96 m south of the bridge I found a boulder of brecciated volcanic rock, very angular approx. 20 cm x 12 cm with epidote, chalcopyrite, pyrite, calcite, and malachite, very altered, to my experience in boulder train mapping, this boulder has not travelled very far and belongs to another population of mineralization, other than what we see at Iron Hill and in the Quinsam 1 claim group, it will be very interesting to investigate the boulder train around the intrusion contact...

It is no doubt that in some areas along the Sihun Creek the Karmutsen Formation has been severely affected by alteration processes and tectonic stress.

C) Eureka & Cobalt Anomaly

Located approx. 1.5 km north-west of the ore deposit, the mineralization occurs under four different aspects. In fracture planes, in nodules, in quartz and calcite veins in shear zones.

The main showings consist of three outcrops 40, 55, and 90 meters long, for a distance of approx. 220 meters long. The mineralization which is mostly malachite in fracture planes, occurs with erithryte on the main showing # 1 and # 2 along with nodules of chalcopyrite and pyrite which the analysis show a trace of: Au, Ag, As, Co, Cu, Fe, Ni, W, Zn. see:sample EC-074, EC-075, EC-076, EC-077, EC-078, EC-079, EC-80, EC-081 and chapter: 2.6. The main showing #3, is mainly malachite with disseminated chalcopyrite and pyrite, I didn't find any nodule and erythrite in this showing but there is more quartz in it. See: samples EC-121, EC-122, EC-127, EC-128, also see chapter 2.6.

1.10 C) Between the main showing #2 and #3 there are two small outcrops with quartz and calcite veins exhibiting some mineralization of chalcopyrite, pyrite, malachite, in amygdaloidal basalt, weekly magnetic in some areas, see sample EC-105 and EC-106 also see chapter 2.3, 4.3, 4.4, 4.5.

As we see on the maps in chapter 4.5, the direction and dip of fractures along the mineralized zones suggest that there is a tectonic stress, and in some area we can see the alteration processes. The basalt is well fractured, altered, greenish, and magnetic.

Malachite and chalcopyrite were seen at different areas other than the main showing area: EC-104 which is located approx. 46 m north of the main showing #1 there are some small veins of calcite and quartz with pyrite and malachite. EC-065 is located 200 m west of the main showing #1 with small veins of calcite and quartz with malachite, chalcopyrite, and pyrite, reacts with 10% HCL, see chapter 2.2 and 3.6 EC-082 located 140 m west of the main showing #1 we see some chalcopyrite and malachite in the volcanics chapter 2.1, 2.2, and 3.5, and 3.6.

STN-02 located 240 m south of the bridge, following Hawkins Creek on the east side, there is a sheared volcanic, which is well fractured and altered with calcite and malachite, I believe this station has very close relations with the Hawkins fault...see: 2.2, 3.5, 3.6, 3.10.

STN-04, 05, 06 are located on the west side of the Hawkins fault and Hawkins Creek, the volcanics in my opinion are different from the east side of the creek... see 2.2 and 3.6 STN-03, 05, 06, 08 are also mineralized see 2.2 and 3.6.

STN-14 and 15 are located approx. 375 m north of the main showing #1, at the waters edge of the Upper Quinsam Lake, we see some malachite, chalcopyrite , pyrite in felsic volcanic and there are some calcite veins. see chapter 2.2, 3.5, 3.6, 3.10.

I found some mineralized outcrop over 800 m south of the main showing # 1, not very far from Hawkins Creek, as we see on the maps 3.5, 3.6, 3.10 it looks as though the mineralized outcrops make an approx. alignment following the Hawkins fault...see map 3.11

1.11 ALTERATION PROCESSES

The Iron Hill ore deposit is located at a strategic geological contact. The understanding of the genetic processes is important, the Island Intrusion pushed, cooked, and folded the Quatsino Formation, shattered and fractured the Karmutsen Formation and injected some concentrated mineralized fluids between the Karmutsen Formation for several kilometers in an irregular pattern and concentrating sulfides in favourable areas along major faults, synclinal traps, etc.

The Karmutsen Formation which has been shattered and fractured by the intrusion of granodiorite allows the mineralized fluids to travel to the surface showing some traces of what could be concentrated underneath. These mineralized fluids changed the mineralogical composition and colour of the host rock.

A visit to Sihum Creek will show you the extent to which garnetization and epidotization exemplify the metosomatic processes.

Another example of epidotization is approx. 300 m south of the ore deposit and the granodiorite and volcanic are both greenish. Also in the ore deposit the epidotization is visible in many areas in the garnet and in the volcanic rocks. STN-12 is another example of epidotization. Located at approx. 2.5 km west of the ore deposit is the best example of the epidotization of the Karmutsen Formation we see, the volcanics are green for a few meters.

The magnetite is also part of the alteration process. The Karmutsen Formation is slightly magnetized along Eureka & Cobalt Creeks but strongly magnetized at Sihun Creek.

1.12 TECTONIC

When the Island Intrusion occured in the Middle or Upper Jurassic it probably provoked a large scale tectonic stress shattering and folding of the Karmutsen and Quatsino Formation, for several kilometers long and wide.

Under this dynamic metamorphism the Karmutsen Formation was metamorphosed more intensively in some areas than others. The fractures permit the leakage of the mineralized solutions. These fractures and faults are very favourable areas for the deposition of economic minerals.

I have observed that many of the fracture planes in the area react with 10% HCL which may indicate the presence of carbonates at depth and therefore favourable conditions for economic mineral deposition.

My structural interpretation is mainly oriented by topographic maps, aeromagnetic maps, geology maps, air photos, and some observations in the field. See: Map 17-1968 geology Alberni, also see: 3.9, 3.10, 3.11.

2.1

CHAPTER 2

QUINSAM 1

SAMPLE IDENTIFICATION AND DESCRIPTION

2.1 SAMPLE INDENTIFICATION AND DESCRIPTION

IH 024 Location: east side of mine, north end, pyrite is volcanic, some areas are very ferruginous, the volcanics are cut by some veins of calcite, very altered and fractured.

IH 025 Location: east side of the mine, 25 m. south of IH-024, pyrite is volcanic, very altered ferruginous, minor traces of malachite.

IH-026 Location: 26.6 m. south of IH-024 pyrite in volcanic, cut by minor veins of calcite very altered.

IH-027 Location: 30 m. south of IH-024, pyrite in volcanic very altered, ferruginous, fizz with HCL-10%, cut by minor veins of calcite.

IH-028 Location: 40 m. south of IH-024 massive pyrite and pyrrhotite, minor magnetic, visible malachite, fizz, this is in green volcanic probably epidote, ICP analysis show: Co 1065 ppm, Cu 10,000 ppm, Fe 15%, Ag 52 ppm, As 1860 Ni 1170 ppm, Zn 586 ppm.

IH-029 Location: 85 m. south of IH-024, ferruginous volcanic, cut by minor veins of calcite fizz.

IH-030 Location: 93 m. south of IH-024, volcanic not very altered, greenish, cut by minor veins of calcite.

IH-031 Location: 156 m. south of IH-024, greenstone fizz with HCL 10%, not ferruginous, cut by minor veins of calcite, fractured.

SAMPLE IDENTIFICATION AND DESCRIPTION

IH-032 Location: 174 m. south of IH-024, ferruginous volcanic, with disseminated pyrite, cut by minor veins of calcite.

IH-033 Location: 200 m. south of IH-024, greenish volcanic, with disseminated pyrite, fizz, sometimes altered. ICP analysis show: Ba 200 ppm. As 140 ppm, Zn 159 ppm.

IH-034 Location: west side of the mine, north end first sample on the first level above the water. Altered volcanic, disseminated pyrite minor malachite.

IH-035 Location: 25 m. south of IH-034, first level, volcanic well fractured, about 60 cm. wide, cut by minor veins of calcite, fizz with HCL 10%.

IH-036 Location: 50 m. south of IH-034, first level, limestone, well deveoped bedding, gray, ICP shows more than 15% of calcium, fizz with HCL 10%.

IH-037 Location: 75 m. south of IH-034, first level, limestone, well developed bedding, gray, fizz.

IH-038 Location: 100m. south of IH-034, first level, limestone, gray, fizz with HCL 10%, bedding well developed, ICP analysis show: more than 15% in calcium, and Sr 409 ppm.

IH-039 Location: 125 m. south of IH-034, first garnetite skarn, minor alteration, visible chalcopyrite, pyrite, and malachite, minor crystalline garnet, mostly crushed garnetite, visible magnetite, magnetic, calcite visible, fizz with HCL 10%, ICP analysis show: Au 0.058, As 215 ppm, Bi 48 ppm, Cd 21 ppm, Co 238 ppm, Cu 3570 ppm, Fe 10%, Mn 9,130 ppm, Zn 2150 ppm.

SAMPLE IDENTIFICATION AND DESCRIPTION

IH-040 Location: 150 m south of IH-034, first level, west side of the mine, limestone, gray, reacts with 10% HCL.

IH-041 Location: 175 m south of IH-034, first level, limestone, gray, bedding well developed, reacts with 10% HCL.

IH-042 Location: 200 m south of IH-034, first level, gray limestone, bedding well developed, reacts. ICP analysis shows: more than 15% of calcium, Sr 749 ppm, are anomalous results.

IH-043 Location: 225 m south of IH-034, first level, massive magnetite, magnetic, associate with garnet and calcite, ICP analysis show: Fe 15%, Cu 415 ppm, Co 106 ppm, Mn 2,130 ppm, Zn 157 ppm.

IH-044 Location: 250 m south of IH-034, first level, crushed garnetite with minor crystalline garnet, reacts with 10% HCL, associate magnetite, magnetic.

IH-045 Location: 270 m south of IH-034, first level, crushed garnetite, with minor calcite, reacts with 10% HCL.

IH-046 Location: 300 m south of IH-034, first level, volcanic with no alteration but well fractured.

IH-047 Location: 325 m south of IH-034, first level, close to the road, volcanic felsic with quartz and amphibole, greenish may be minor epidote.

SAMPLE IDENTIFICATION AND DESCRIPTION

IH-048 Location: 350 m south of IH-034, first level, west side of the mine, close to the road, the last samples of the first level at the south end, volcanic with no alteration, well fractured, no mineralization.

IH-049 Location: west side of the mine, north end of the second level, garnetite skarn, fine to medium sized garnet crystals, trace magnetism, reacts with 10% HCL, minor calcite.

IH-050 Location: 25 m south of IH-049, second level, volcanic well fractured but no alteration, minor chalcopyrite, cut by minor veins of calcite.

IH-051 Location: 50 m south-east of IH-049, second level, skarn garnetite, minor calcite and magnetite, magnetic, reacts with 10% HCL, the garnetite is crushed, no crystalline garnets.

IH-052 Location: 75 m south-east of IH-049, second level, contact limestone skarn garnetite, rich in calcite, reacts with 10% HCL, small to medium garnet crystals, lightly magnetic.

IH-053 Location: 100 m south-east of IH-049, second level, greenish volcanic or greenstone.

IH_054 Location: 150 m south-east of IH-049, second level, skarn garnetite, lightly magnetic with minor veins of calcite, reacts with 10% HCL, mainly crushed garnetite no crystals.

SAMPLE IDENTIFICATION AND DESCRIPTION

IH-055 Location: 200 m south-east of IH-049, second level, volcanic, black, no alteration, disseminated pyrite.

IH-056 Location: 225 m south-east of IH-049, second level, volcanic, minor alteration, well fractured, last sample of this level localized at the south end of this level.

IH-057 Location: third level completed at the north end of this level, crush garnetite skarn, reacts with 10% HCL, ICP analysis show: more than 15% of calcium, Mn 2620 ppm.

IH-058 Location: 25 m south of IH-057, third level, volcanic, very altered and fractured, with calcite, reacts with 10% HCL. ferruginous disseminated pyrite. ICP analysis show: Au 0.040 oz/T, As 600 ppm, Cr 120 ppm, Cr 120 ppm, Fe 8.23%, Zn 234 ppm.

IH-059 Location: 50 m south of IH-057, third level volcanic, no alteration, black.

IH-060 Location: 75 m south of IH-057, third level volcanic, well fractured, cut by minor veins of calcite, reacts with 10% HCL.

IH-061 Location: 100 m south of IH-057, third level the last sample south of this level, black volcanic with no alteration.

SAMPLE IDENTIFICATION AND DESCRIPTION

EC-065 Location: Eureka & Cobalt anomaly, 200 m west of the main showing of cobalt, north of the road, small veins of calcite and quartz with malachite and chalcopyrite, reacts with calcite, ICP analysis show: Cr 102ppm, Cu 7,560 ppm, Fe 4.29 ppm.

SCS-067 Location: Sihun Creek showing, 1 km west of the Iron Hill Mine open pit, about 20 m east of the Sihun Creek on the top of the cliff, close to the south claim line, altered volcanics, some areas are ferruginous, chalcopyrite and malachite are visible, very magnetic, heavy probably some magnetite in it. ICP analysis show: Cu 1470 ppm, more than 15% iron.

SCS-068 Location: Sihun Creek showing, 1 km west of the open pit, about 20 m east of the creek, on the top of the cliff, close to the south claim line, altered volcanic, very fractured, ferruginous, small silvery flecks are visible? ICP analysis show: more than 15% iron.

IH-069 Location: Iron Hill west side between the first and the second level, approx. 10 meters higher and west of IH-046, volcanic contact with garnetite, pyrite cubes are well formed, sometimes massive pyrite, minor chalcopyrite and malachite, minor veins of calcite, reacts with 10% HCL, magnetic, well developed crystals of calcite. ICP analysis show: Au 0.020 oz/T, As 275 ppm, Cr 80 ppm, Cu 892 ppm, Fe 8.02%, Pb 324 ppm, Zn 910 ppm.

SAMPLE IDENTIFICATION AND DESCRIPTION

EC-074 Location: Eureka & Cobalt main showing # 2 trench in the center, pyrite, chalcopyrite, cobalt, malachite, magnetite in volcanic, lightly magnetic, nodules of chalcopyrite, the cobalt is pink and shows itself as erythrite, ICP analysis show: Au 0.018 oz/T, Ag 24.4 ppm, As 3,870 ppm, Co 2,980 ppm, Cu 10,000 ppm, Fe 15%, Ni 287 ppm, W 430, Zn 481 ppm.

EC-075 Location: Eureka & Cobalt, main showing #1, 25 m west of main showing of cobalt, pyrite in volcanic, lightly magnetic, minor malachite, trace of cobalt, and chalcopyrite, well fractured, ICP analysis show: Co 113 ppm, Cu 3,330 ppm, Mn 1,125 ppm.

EC-076 Location: Eureka & Cobalt, main showing # 2, trench of the center, pyrite, chalcopyrite, erythrite, malachite in volcanic, minor magnetic. ICP analysis show: Ag 11.0 ppm, As 3,920 ppm, Co 2850 ppm, Cu 10,000 ppm, Fe 11.30 %, Mg 1.01%, Mn 1,045 ppm, Ni 245 ppm, Pb 210 ppm, W 120 ppm, Zn 288 ppm.

EC-077 Location:Eureka & Cobalt, main showing # 2, west of the outcrop, pyrite, cha copyrite, malachite in volcanic, lightly magnetic, altered and fractured, ICP analysis show: Co 165 ppm, Cu 10,000 ppm, Fe 5.81%, Zn 258 ppm.

EC-078 Location: Eureka & Cobalt, main showing # 2, east of the outcrop, pyrite, chalcopyrite and malachite in volcanic, some areas are lightly magnetic. ICP analysis show: Cu 10,000 ppm, Fe 10.70 %, Mg 1.63 %, Mn 1260 ppm, Zn 236 ppm.

SAMPLE IDENTIFICATION AND DESCRIPTION

EC-079 Location: Eureka & Cobalt, main showing #1, main showing of erythrite, east of the outcrop, approx. 5 m from the road, mainly erythrite in volcanics, visible malachite and chalcopyrite, minor magnetic, ICP analysis show: Au 0.026 ppm, As 10,000 ppm, Bi 40 ppm, Co 10,000 ppm, Cu 2,710 ppm, Mg 1.39%, Mn 1250 ppm, Ni 527 ppm, Hg 8 ppm.

EC-080 Location: Eureka & Cobalt, main showing #1, center of the outcrop, approx. 5 m off the road, mainly malachite in volcanics, visible erythrite pyrite and chalcopyrite, ICP analysis show: Co 301 ppm, Cu 6,080 ppm, Fe 12.45%, Mg 1.24%, Mn 1,495 ppm, Zn 188 ppm.

EC-081 Location: Eureka & Cobalt, main showing # 1, east of the outcrop, malachite and pyrite in volcanics, lightly magnetic, ICP analysis show: Al 5.39%, Ba 100 ppm, Ca 5.03%, Cr 244 ppm, Cu 1785 ppm, Fe 13.35%, Mg 3.00%, Mn 1825 ppm, Ni 183 ppm, Zn 149 ppm. This sample shows a big change geochemically, it is the highest in Al, Ca, Ba, Cr, Mg, Mn. Na 0.49% is the highest of all the samples from the anomaly of Eureka & Cobalt. Scandium is 19 ppm which is the highest of all Eureka & Cobalt anomalies.

EC-082 Location: Eureka & Cobalt, 140 m west of main showing # 1, 8 m south of the road, malachite and chalcopyrite in volcanics, there are two showings on this outcrop, which show mainly malachite, ICP analysis show: Al 3.44%, Ag 5.2 ppm, Ca 3.89%, Co 165, Cu 10,000 ppm, Fe 11.70%, Mg 2.02%, Mn 1,605 ppm, Sr 107 ppm, Zn 203 ppm, this sample is the highest in strontium which is double all other readings of Eureka & Cobalt.

SAMPLE IDENTIFICATION AND DESCRIPTION

SC-083 Location: Sihun Creek, west side of the creek, on the south claim line, beside the creek, at the bottom of the cliff, crush volcanic, soft and well fractured, green, approx. 10 to 15 m wide, cut by many small veins of calcite which reacts with 10% HCL, not magnetic, no visible cobalt or copper mineralization.

SC-084 Location: Sihun Creek, 200 m north of the south claim line, in the creek, soil sample.

EC-085 Location: Eureka & Cobalt, east of Hawkins Creek approx. 50 m west of the small swamp, south of the main showing # 3, purple volcanics which have disseminated flecks of calcite, reacts with 10% HCL, fractured not much alteration.

ZB-101 Location: West side of Hawkins Creek, southwest of Quinsam 1 claims group, zone "B" geochemical anomaly, from assessment report # 3445 soil sample anomaly of copper 550 ppm, but no mineralization was seen. Green volcanics are well fractured and altered. These volcanics are different from the volcanics of the Eureka & Cobalt anomaly, more greenstone, we can see some steel-gray to iron black mineralization, in uneven fractures, located west side of the Hawkins fault.

ZB-102 Location: West side of Hawkins Creek, south-west of Quinsam 1 claims group, zone "B", green volcanics or greenstone, some calcite in it, reacts with calcite, non magnetic fractured and altered, we see some steel-gray to iron black mineralization, in uneven fractures, located west side of the Hawkins fault.

ZB-103 Location: West side of Hawkins Creek, south-west of Quinsam 1 claims group, zone "B", brecciated felsic-volcanic light green, with quartz and calcite, reacts with 10% HCL, no visible mineralization.

SAMPLE IDENTIFICATION AND DESCRIPTION

EC-104 Location: Eureka & Cobalt, 46 m north of the main showing #1, small veins of quartz in volcanics, with little calcite, reacts in some area, pyrite and malachite are visible, minor magnetic, quartz veins are 5 to 10 cm wide. ICP analysis show: Al 3.80%, Bi 14 ppm Ca 1.00%, Cr 122 ppm, Cu 377 ppm, Fe 6.63%, Mg 3.09%, Mn 1245 ppm, V 196 ppm, Zn 153 ppm.

EC-105 Location: Eureka & Cobalt, between the second and the third main showings small outcrop, approx. 2 m wide, malachite, chalcopyrite, and pyrite in volcanics, little calcite and quartz, reacts in some area with 10% HCL, little magnetics in some areas, small quartz veins. ICP analysis show: Ca 3.02%, Cr 111 ppm, Cu 5,010 ppm, Fe 6.93%, Mg 2.72%, Mn 1135 ppm, V 199 ppm, Zn 140 ppm. this sample is the highest reading in vanadium of the Eureka & Cobalt anomaly.

EC-106 Location: Eureka & Cobalt, between the second and third main showings small outcrops, approx. 2-3 m wide, malachite, pyrite and chalcopyrite in volcanics, little veins of calcite, reacts in some areas, minor magnetics, ICP analysis show: Cr 105 ppm, Cu 1815 ppm, Fe 4.84%.

SC-107 Location: Sihun Creek, 96 m south of the bridge, main logging road, contact volcanic garnetite, crushed garnetite, minor chalcopyrite, mainly malachite, minor magnetics, calcite but no crystals, reacts with 10% HCL, altered and fractured. ICP analysis show: Al 19,340 ppm, Ca 116,050 ppm, Cu 6,160 ppm, Fe 111,860 ppm, Mg 5,530 ppm, Mn 2,098 ppm, Na 440 ppm, P 1150 ppm, Au 50 ppb. This sample is east of the creek, beside the creek.

SAMPLE IDENTIFICATION AND DESCRIPTION

SC-108 Location: Sihun Creek, 80 m south of the bridge on the main logging road on the east side of the creek, magnetic volcanics, altered and well fractured, no visible mineralization.

SC-109 Location: Sihun Creek, 25 m south of the bridge, and east of the bridge, altered and fractured volcanics, little magnetic, located beside an intrusion of granodiorite, no visible copper mineralization.

IH-114 Location: Iron Hill, south-west of the mine, on the road going to the second level, in the waste magnetite, chalcopyrite and garnetite contact with limestone, bedding well developed, magnetic, reacts with 10% HCL on the garnetite.

IH-115 Location: Iron Hill, south-west of the mine, on the road going to the second level, in the waste limestone with disseminated pyrite, no bedding, reacts with 10% HCL.

IH-116 Location: Iron Hill, south-west of the mine, on the road going to the second level, in the waste altered limestone, pyrite disseminated, bedding well developed, reacts with 10% HCL.

IH-117 Location: Iron Hill, in the open pit, second level, 10 m east of IH-052, west side of the mine, limestone, bedding well developed, visible pyrite, chalcopyrite and malachite, reacts with 10% HCL.

IH-118 Location: Iron Hill, in the open pit, second level, 2 m south of IH-117, erythrite and malachite in limestone, reacts with 10% HCL.

SAMPLE IDENTIFICATION AND DESCRIPTION

IH-119 Location: Iron Hill, west of the mine, between the first and second level, contact limestone and garnetite, pyrite, chalcopyrite, magnetite, garnet, and calcite in skarn, magnetic, reacts with 10% HCL.

IH-120 Location: Iron Hill, west side of the mine, 25 m south of IH-119, located between the first and second level, contact limestone and crush garnetite, visible pyrite, and magnetite, magnetic, reacts with 10% HCL.

EC-121 Location: Eureka & Cobalt, main showing #3, located at the east side of the outcrop, 200 m south of the road, 190 m south of the main showing # 1, malachite and chalcopyrite in volcanic, altered and fractured, disseminated and fractured, disseminated pyrite, minor calcite, reacting with HCL locally, little magnetic, ICP analysis show: Al 5,650 ppm, Ca 36,150 ppm, Co 129 ppm, Cu 24, 179 ppm, Fe 63,110, Mg 2,180 ppm, P 1,540 ppm, Zn 133 ppm, Au 370 ppb.

EC-122 Location: Eureka & Cobalt, main showing #3, 210 m south-west of the main showing #1, 15 m west of the EC-121, pyrite, chalcopyrite and malachite in volcanics, altered and fractured, minor magnetic. ICP analysis show: Ag 11.7 ppm, Al 21,820 ppm, Ca 20,700 ppm, Cu 17,034 ppm, Fe 67,780 ppm, Mg 14,590, Pb 127 ppm, V 189.5 ppm, Zn 407 ppm, Cr 228 ppm, Au 200 ppb.

EC-123 Location: Eureka & Cobalt, main showing # 3, 46 m west of EC-121, pyrite in volcanics, altered and fractured, minor magnetics.

EC-124 Location: Eureka & Cobalt, main showing # 3, 70 m west of EC-121, pyrite and chalcopyrite in volcanics, minor calcite, reacts with 10% HCL.

SAMPLE IDENTIFICATION AND DESCRIPTION

EC-127 Location: Eureka & Cobalt, main showing #3, 75 m west of the base line, chalcopyrite, malachite and pyrite in volcanics, small veins of quartz, 5 to 10 cm wide, altered and fractured. ICP analysis show: Al 33,740 ppm, Ca 19,350 ppm, Cu 14,954 ppm, Fe 92,570 ppm, Mg 25,880 ppm, Mn 1,331 ppm, V 212.6 ppm, Zn 208 ppm, Cr 182 ppm.

EC-128 Location: Eureka & Cobalt, main showing #3, 37 m west of the base-line, malachite and chalcopyrite in volcanics, well fractured and altered, ICP analysis show: Al 8,070 ppm, Mg 2,990 ppm, Mn 1,354 ppm, Na 360 ppm, P 1,630 ppm, Zn 142 ppm, Cr 112 ppm.

SC-129 Location: Sihun Creek, 135 m north of the claim line, east of the creek, on the top of the cliff, magnetite in volcanics, altered and fractured.

SC-130 Location: Sihun Creek, 107 m north of the corner of the creek, approx. 130 m north of the claim line, magnetic volcanics.

SC-131 Location: Sihun Creek, 96 m north of the corner of the creek, approx. 120 m north of the claim line, magnetite in volcanics, well fractured and altered. Located approx. 2 m higher than SC-130.

SC-132 Location: Sihun Creek, 47 m north of the corner of the creek, approx. 70 m north of the claim line, on the top of the cliff, approx. 4 m higher than SC-131, greenish volcanics, well fractured and altered.

SAMPLE IDENTIFICATION AND DESCRIPTION

SC-133 Location: Sihun Creek, 37 m north of the corner of the creek, approx. 60 m north of the claim line, on the top of the cliff, ferruginous volcanics in place, with magnetite, very altered and fractured.

SC-134 Location: Sihun Creek, 30 m north of the corner of the creek, approx. 53 m north of the claim line, on the top of the cliff, pyrite, chalcopyrite, magnetite, and malachite in volcanics, well fractured and altered, reacts with HCL in some areas.

SC-135 Location: Sihun Creek, 13 m north of the corner of the creek, approx 36 m north of the claim line, on the top of the cliff, magnetite in volcanics, well fractured and altered, minor epidote.

SC-136 Location: Sihun Creek, 5 m north of the corner of the creek, approx. 28 m north of the claim line, on the top of the cliff, minor pyrite, chalcopyrite and malachite in volcanics, minor magnetite, well altered and fractured.

SC-137 Location: Sihun Creek, 30 m north of the claim line, on the top of the cliff, at the corner, magnetite, garnet, epidote, minor malachite in volcanic. ICP analysis show: Al 17,450 ppm, Ca 46,290 ppm, Cu 306 ppm, Fe 78,800 ppm, Mg 2,850 ppm, Mn 1,632 ppm, Na 1,070 ppm.

SC-138 Location: Sihun Creek, 96 m south of the bridge on the main logging road, on the east side of the creek, beside SC-107, angular boulder, 20 cm by 12 cm rich in chalcopyrite, calcite, malachite, minor magnetics, crystals of calcite, reacts with 10% HCL, very altered and fractured, minor epidote.

SAMPLE IDENTIFICATION AND DESCRIPTION

MC-139 Location: Mine Creek, paleo stream sediment, located approx. 300 m south of the open pit, beside the logging road, close to the east claim line.

SC-140 Location: Sihun Creek, 115 m south of the corner of the creek, on the top of the cliff, 92 m east of the line and the Sihun Creek main showing, magnetite in volcanics, ferruginous, altered and fractured.

IH-141 Location: Iron Hill, west side of the mine, second level, disseminated pyrite and chalcopyrite with magnetite in volcanics, minor malachite and minor magnetics, some calcite reacts with 10% HCL, located 3 m east of IH-051.

IH-142 Location: Iron Hill, west side of the mine, second level, located beside IH-051, crush garnetite, very fractured and altered, mainly malachite in it, reacts with 10% HCL, weakly magnetic.

IH-143 Location: Iron Hill, west side of the mine, first level, 2 m south of IH-043, located beside massive magnetite, this is crushed garnetite which reacts with 10% HCL, visible pyrite and chalcopyrite, calcite is also visible no crystals, magnetic.

IH-144 Location: Iron Hill, west side of the mine, first level, 1 m north of IH-043, 3 m from the contact of limestone, this is magnetite and garnetite, which reacts with HCL 10%, minor chalcopyrite and pyrite, magnetic.

SAMPLE IDENTIFICATION AND DESCRIPTION

IH-145 Location: Iron Hill, west side, first level beside IH-039, erythrite in crushed garnetite, altered and fractured, some small crystals of garnet, minor calcite, reacts with HCL, weakly magnetic.

IH-146 Location: Iron Hill, west side, first level, beside IH-034, completely north of this level, pyrite in volcanics, altered and fractured.

IH-147 Location: Iron Hill, west side, first level, beside IH-039, garnetite skarn with erythrite and malachite, locally magnetic, minor crystals of garnet, close to the contact of the limestone, ICO analysis show: Al 9,340 ppm, As 833 ppm, Ca 139,820 ppm, Cd 79.7 ppm, Co 792 ppm, Cu 5,835 ppm, Fe 185,680 ppm, Mg 1,660 ppm, Mn 3,566 ppm, Pb 121 ppm, Zn 4,626 ppm, Au 710 ppb, 0.025 oz/T.

IH-148 Location: Iron Hill, west side, first level, 4 m south of IH-039, erythrite in crushed garnetite with magnetite, magnetic, reacts with 10% HCL, ICP analysis show: Al 24,090 ppm, Ca 125,900 ppm, Fe 75,940 ppm, Mg 2090 ppm, Mn 4,034 ppm, Cr 116 ppm.

IH-149 Location: Iron Hill, west side, first level, 6 m south of IH-039, erythrite in crushed garnetite, weakly magnetic, reacts with 10% HCL, minor visible calcite but no crystals. ICP analysis show: Al 28,190 ppm, As 1,397 ppm, Ca 85,130 ppm, Co 1,007 ppm, Fe 35,380 ppm, Mg 2,330 ppm, Mn 4,539 ppm, Zn 108 ppm, Cr 172 ppm, Au 90 ppb.

SAMPLE IDENTIFICATION AND DESCRIPTION

IH-150 Location: Iron Hill, west side, first level, beside IH-149, malachite in crushed garnetite, a few small crystals of garnet, reacts with 10% HCL, magnetic, we can see some magnetite. ICP analysis show: Ca 149,430 ppm, Cu 3,211 ppm, Fe 161,220 ppm, Mn 6,130 ppm, Zn 415 ppm, Au 455 ppb or 0.015 oz/T.

IH-151 Location: Iron Hill, west side, first level, 2.5 m north of IH-039, crushed garnetite and magnetite, reacts with 10% HCL, magnetic, visible malachite. ICP analysis show: Al 4,860 ppm, Ca 58,050 ppm, Cd 54.7 ppm, Cu 7,000 ppm, Fe 353,750 ppm, Mg 1340 ppm, Mn 2,109 ppm, Zn 4,886, Au 90 ppb.

IH-152 Location: Iron Hill, west side, first level, 4.7 m north of IH-151, contact limestone and crushed garnetite, reacts with 10% HCL, minor pyrite. ICP analysis show: Ca 148,840 ppm, Fe 157,190 ppm, Mn 6,601 ppm, Cr 107 ppm.

IH-153 Location: Iron Hill, west side, first level, 4 m south of IH-040, crushed garnetite and magnetite, a few small crystals of garnet, magnetic, reacts with 10% HCL. ICP analysis show: Ca 137,960 ppm, Fe 139,750 ppm, Mn 4,346 ppm.

IH-154 Location: Iron Hill, west side, first level, 20 m south of IH-042, crushed garnetite with small crystals of garnet, minor magnetics, contact limestone, reacts with 10% HCL. ICP analysis show: Ca 131,290 ppm, Cu 1,118 ppm, Fe 153,050 ppm, Mn 9062 ppm, Zn 676 ppm, Cr 80 ppm.

SAMPLE IDENTIFICATION AND DESCRIPTION

IH-155 Location: Iron Hill, west side, first level, 24 m south of sample IH-042, garnetite and magnetite, minor calcite, reacts with 10% HCL, strongly magnetic, minor pyrite and chalcopyrite, ICP analysis show: Al 8,020 ppm, Ca 41,270 ppm, Cd 54.7 ppm, Cu 2,230 ppm, Fe 275,680 ppm, Mg 4,710 ppm, Mn 2,192 ppm, Cr 143 ppm, Au 140 ppb, 0.004 oz/T.

IH-156 Location: Iron Hill, west side, first level, 36 m south of sample IH-042, pyrite and chalcopyrite in garnetite and in magnetite, Minor calcite, reacts with 10% HCL, magnetic. ICP analysis show: Al 5,840 ppm, Ca 82,880 ppm, Cu 7,480 ppm, Fe 276,350 ppm, Mg 1,630 ppm, Mn 2,397 ppm, Au 160 ppb.

IH-157 Location: Iron Hill, west side, between the first and second level, 4 m north of sample IH-119 malachite and magnetite in crushed garnetite, close to the contact of limestone, calcite in narrow veins, reacts with 10% HCL. ICP analysis show: Ag 24.1 ppm, Al 2,120 ppm, Ca 100,050 ppm, Co 204 ppm, Cu 45,597 ppm, Fe 179,270 ppm, Mg 2,080, Mn 3,315 ppm, P 1,430 ppm, Pb 152 ppm, Zn 605 ppm, Au 220 ppb.

IH-158 Location: Iron Hill, west side, between the first and second level, 1 m south of sample IH-157 pyrite in limestone, calcite, minor magnetite, minor magnetic, reacts with 10% HCL. ICP analysis show: Al 27,890 ppm, As 325 ppm, Ca 98,870 ppm, Fe 108,370 ppm, Mg 10,620 ppm, Mn 3,234 ppm, Zn 196 ppm, Au 810 ppb 0.025 oz/T.

SAMPLE IDENTIFICATION AND DESCRIPTION

IH-159 Location: Iron Hill, west side, between the first and second level, 16 m south of sample IH-157, magnetite and pyrite in crushed garnetite, magnetic and reacts with 10% HCL. ICP analysis show: Ca 122,790 ppm, Cu 1,557 ppm, Fe 167,000 ppm, Mn 2,688 ppm, Cr 120 ppm, Au 1,450 ppb or 0.045 oz/T.

IH-160 Location: Iron Hill, west side, between the first and second level, 32 m south of sample IH-157, pyrite, magnetite, calcite in crushed garnetite, magnetic and reacts with 10% HCL. ICP analysis show: Al 4,260 ppm, Ca 147,190 ppm, Fe 119,660 ppm, Mg 3,080 ppm, Mn 3,352 ppm.

IH-161 Location: Iron Hill, west side, between the first and second level, 42 m north of the sample IH-157, magnetite in crushed garnetite, reacts with 10% HCL. ICP analysis show: Al 2,600 ppm, Ca 183,900 ppm, Cu 1,522 ppm, Fe 166,920 ppm, Mg 1,080, Mn 4,384 ppm, Zn 153 ppm.

IH-162 Location: Iron Hill, west side, between the first and second level, 59 m north of the sample IH-157, magnetite in garnetite, reacts with 10% HCL, magnetic. ICP analysis show: Al 4,810 ppm, Ca 148,350 ppm, Fe 163,790 ppm, Mg 1,220 ppm, Mn 2,582 ppm, Cr 82 ppm.

IH-163 Location: Iron Hill, west side, between the first and second level, calcite and magnetite in crushed garnetite, the calcite crystals are well formed, the clivage and stristions are visible, lightly magnetic, reacts with 10% HCL. ICP analysis show: Ca 142,510 ppm, Fe 143,610 ppm, Mg 1,320 ppm, Mn 2,791 ppm, Au 50 ppb.

SAMPLE IDENTIFICATION AND DESCRIPTION

IH-164 Location: Iron Hill, west side, between the first and second level, magnetite in crushed garnetite, altered and fractured, minor calcite, reacts with 10% HCL, magnetic, disseminated pyrite. ICP analysis show: Al 5,270 ppm, Ca 67,690 ppm, Fe 115,500 ppm, Mg 6,660 ppm, Mn 1,898 ppm, Au 195 ppb.

IH-165 Location: Iron Hill, west side, between the first and second level, 26 m north of sample IH-164, crystalline garnetite. ICP analysis show: Al 2,310 ppm, Ca 143,630 ppm, Fe 145,210 ppm, magnetic, Mg 1,660 ppm, Mn 2,610 ppm, Au 340 ppb. 0.01 oz/T.

IH-166 Location: Iron Hill, west side, between the first level and second level, 55 m north of sample IH-164, magnetite and malachite in crushed garnetite, reacts slightly to HCL, altered and fractured. ICP analysis show: Al 11,020 ppm, Ca 61,670 ppm, Co 188 ppm, Cu 13,150 ppm, Fe 282,610 ppm, Mg 4,100 ppm, Mn 1,890 ppm, Pb 149 ppm, Zn 342 ppm, Au 190 ppb.

IH-167 Location: Iron Hill, west side, second level, north of this level, 1.5 m from the sample IH-049, magnetite and pyrite occur in crushed garnetite along the volcanic contact. ICP analysis show: Al 8,360 ppm, Ca 44,860 ppm, Fe 213,520 ppm, Mg 3,460 ppm, Mn 1,272 ppm, Cr 104 ppm, Au 480 ppb or 0.015 oz/T.

IH-168 Location: Iron Hill, west side, second level, 28.3 m south of sample IH-049, chalcopyrite, pyrite, and malachite in crushed garnetite, magnetic, reacts slightly to HCL, located at the base of a slide. ICP analysis show: Ag 21.0 ppm, Al 16,280 ppm, As 178 ppm, Bi 21 ppm, Ca 56,630 ppm, Co 234 ppm, Cu 55,630 ppm, Fe 91,530 ppm, Ni 255 ppm, P 1,520 ppm, Pb 127 ppm, Cr 178 ppm, Au 160 ppb.

SAMPLE IDENTIFICATION AND DESCRIPTION

IH-169 Location: Iron Hill, second level, west side, 31.4 m south of sample IH-049, at the contact of garnetite and volcanics, calcite crystals, reacts with 10% HCL. ICP analysis show: Al 18,040 ppm, Ca 110,780 ppm, Fe 27,200 ppm, K 1,420 ppm,Mg 2,360 ppm, Mn 4,622 ppm, Cr 116 ppm.

IH-170 Location: Iron Hill, west side, second level, 37 m south of sample IH-049, magnetite in crushed garnetite or garnetite skarn. ICP analysis show: Ca 140,910 ppm, Fe 136,540 ppm, Mg 2,090 ppm, Mn 2,450 ppm, Au 90 ppb.

IH-171 Location: Iron Hill, west side, second level, 22 m south of IH-049, volcanic with malachite, minor chalcopyrite and pyrite, magnetic.

IH-172 Location: Iron Hill, west side, second level, 9.7 m east of sample IH-051, magnetite in garnetite skarn, reacts with 10% HCL. ICP analysis show: Ca 74,320 ppm, Co 639 ppm, Cu 20,900 ppm, Fe 366,440 ppm, Zn 2,212 ppm, Au 170 ppb.

IH-173 Location: Iron Hill, west side, second level, 9 m south of sample IH-054, narrow vein of calcite in garnetite, magnetic, reacts with 10% HCL, pyrite. ICP analysis show: Ca 154,870 ppm, Fe 141,800 ppm, Mg 2,520 ppm, Mn 2,507 ppm, Au 170 ppb.

SAMPLE IDENTIFICATION AND DESCRIPTION

IH-174 Location: Iron Hill, west side, third level, 12.5 m south of sample IH-057, crushed garnetite, calcite, reacts with 10% HCL, magnetic, altered and fractured. ICP analysis show: Al 17,340 ppm, Ca 167,800 ppm, Fe 127,120 ppm, Mg 2,900 ppm, Mn 3,860 ppm, P 1,020 ppm, Au 130 ppb.

IH-175 Location: Iron Hill, west side, third level, 34 m south of sample IH-057, strongly magnetic, reacts with 10% HCL, calcite and magnetite in crushed garnetite or garnetite skarn.

IH-176 Location: Iron Hill, west side, third level, 48 m south of sample IH-057, calcite in crushed garnetite, reacts with 10% HCL. ICP analysis show: Al 70,270 ppm, B 23 ppm, Ba 26 ppm, Ca 102,470 ppm, Fe 33,040 ppm, K 750 ppm, Mg 2,630 ppm, Mn 1,845 ppm, Na 2,250 ppm, Sr 73 ppm, V 218 ppm, Cr 279 ppm, this is different geochemically, but visually it is a garnetite.

IH-177 Location: Iron Hill, in the mine taillings. ICP analysis show: Al 15,280 ppm, Ca 116,740 ppm, Fe 164,920 ppm, Mg 3,380 ppm, Mn 3,216 ppm, Au 80 ppb.

SC-178 Location: Sihun Creek, 25 m south of the bridge on the main logging road, contact zone of crushed garnetite and volcanics, the garnetite is not magnetic but the volcanics are magnetic. Greenish spots in the garnetite are probably epidote.

SAMPLE IDENTIFICATION AND DESCRIPTION

EC-179 Location: Eureka & Calbalt anomaly, completely south of the anomaly, approx. 560 m south of the main showing # 1, along the main logging road to Hawkin Creek, minor malachite in volcanics, fractured and altered, calcite which reacts with 10% HCL.

IH-180 LOcation: Iron Hill, west side, between the first and second level, 27.5 m -east of sample IH-158, magnetite, malachite, chalcopyrite, pyrite and calcite in a granetite skarn, reacts with 10% HCL, some areas strongly magnetic.

EC-181 Location: Eureka & Cobalt anomaly, main showing #2, trench in the center, chalcopyrite, malachite, pyrite in volcanics, altered and fractured, chalcopyrite in nodules, some areas are magnetic, cobalt bloom or erythrite in some areas.

IH-182 Location: Iron Hill, west side, between the first and second level, approx. 70 m north-west of sample IH-157, crystalline garnetite, lightly magnetic, crystals from 2 to 7 millimeters.

IH-183 Location: Iron Hill, west side, between the first and second level, 45 m north of sample IH-163, crystalline garnetite, very fine crystals, 1 to 2 millimeters.

IH-184 Location: Iron Hill, west side, between the first and the second level, 46 m north of sample IH-163, crystalline garnetite, medium crystals from 2 to 5 millimeters.

SAMPLE IDENTIFICATION AND DESCRIPTION

IH-185 Location: Iron Hill, west side, between the first and second level, 43 m north of sample IH-163, crystaline garnetite, fine grain, 1 to 2 millimeters, reacts with 10% HCL, minor magnetism.

IH-186 Location: Iron Hill, west side, between the first and second level, 8.5 m west of sample IH-163, crystalline garnetite, coarse grain, from 7 to 12 millimeters, minor magnetism.

IH-187 Location: Iron Hill, west side, between the first and second level, 19 m south of sample IH-191, crystalline garnetite, medium grain, quite homogeneous, 5 millimeter grains, weakly reacts with 10% HCL, minor magnetism.

IH-188 Location: Iron Hill, west side, between the first and second level, 15.5 m south of sample IH-191, crystalline garnetite, fine to medium grain, 3 to 4 millimeters, quite homogeneous, reacts with 10% HCL, minor magnetism in the bedrock.

IH-189 Location: Iron Hill, west side, between the first amd second level, 9.4 m south of sample IH-191, crystalline garnetite, heterogeneous, the grains are from 4 to 8 millimeters, minor calcite, reacts with 10% HCL, minor magnetism.

IH-190 Location: Iron Hill, west side, between the first and second level, 5 m north of sample IH-165, crystalline garnetite, heterogeneous, meium to corase grains, from 5 to 12 millimeters, minor calcite, reacts with 10% HCL, minor magnetism.

SAMPLE IDENTIFICATION AND DESCRIPTION

IH-191 Location: Iron Hill, west side, located between the first and second level, 9.5 m north of sample IH-165, crystalline garnetite, quite homogeneous, from 5 to 6 millimeters medium grain, minor calcite, reacts with 10% HCL, some areas are magnetic.

IH-192 Location: Iron Hill, west side, located on the third level, 4 m south of sample IH-175, crystalline garnetite, quite homogeneous, from 1 to 3 millimeters, calcite and magnetite in it, reacts with 10% HCL, magnetics in some areas, fine grained.

EC-193 Location: Eureka & Cobalt anomaly, main showing #2, beside MS-016, nodules of chalcopyrite, pyrite, pyrrhotite and malachite, some nodules are weakly magnetic. The nodules are from 15 to 20 cm and are mainly located at the main showing # 1 and #2.

2.2

QUINSAM 1

OUTCROP IDENTIFICATION AND DESCRIPTION

2.2 OUTCROP IDENTIFICATION AND DESCRIPTION

STN-01 Location: 140 m south of the bridge, the first road from the lake, west of the claim Quinsam 1, beside Hawkins Creek on the east side, sheared greenish volcanics, minor calcite, reacts to HCL, soft altered and fractured. No visible mineralization, N 136° E, dip sub-vertical.

STN-02 Location: 240 m south of the bridge, the first road from the lake, west of the claim Quinsam 1, in the creek or right beside the creek on the west side, sheared volcanics, well fractured and altered, the volcanics are greenish, a lot of calcite in it, reacts with 10% HCL, malachite appears to be related to the calcite, a lot of malachite, for a few meters, non magnetic, north-south direction, dip 10° west.

STN-03 Location: 560 m south of the bridge, the first road from the lake, along Hawkins Creek, west of the claim Quinsam 1, amygdaloidal basalt, with calcite in the fractures, reacts with 10% HCL, magnetics in some areas, not very altered but well fractured, azimuth 253°, dip 13° N.W. and azimuth 308°, dip 40° N.E.

STN-04 Location: South-west of the claim Quinsam 1, approx. 200 m east of the west claim line, it is a big outcropping area, which is mentioned in the assessment report # 3445 done in 1971, this area corresponds to zone B geochemical anomaly, located approx. 200 m west of Hawkins Creek, quartz veins in volcanics with malachite and epidote, greenish, azimuth 97°, dip subvertical.

OUTCROP IDENTIFICATION AND DESCRIPTION

STN-05 Location: South-west of the claim Quinsam 1, large outcropping area, approx. 65 m north west of STN-04, north of the zone B, geochemical anomaly mentioned in assessment report # 3445, located approx. 225 m west of Hawkins Creek, minor malachite in felsic greenstone with epidote, Mg or Mn in fractures, small quartz veins, west of the Hawkins fault, no magnetic zones or calcareous volcanics, azimuth 60°, dip sub vertical.

STN-06 Location: South-west of the claims group Quinsam 1, approx. 45 m north of the station 05, west of Hawkins Creek, felsic volcanics, with visible quartz, very different from the volcanics on the east side of Hawkins fault, disseminated pyrite and chalcopyrite with minor malachite, Mg or Mn in fractures, not magnetic, no reaction with 10% HCL, azimuth 280°, dip 30°, epidote. Well fractured and minor alteration.

STN-07 Location: South-west of the claims group Quinsam 1, approx. 130 m east of the west claim line along the road and approx. 65 m south of the road, amygdaloidal basalt, the amygdule reacts with 10% HCL, different from stations 04, 05, and 06, no visible mineralization, weak magnetics in some areas, azimuth 320°, dip 22° south-west.

OUTCROP IDENTIFICATION AND DESCRIPTION

STN-08 Location: From the first road south of the lake, approx. 450 m south of the bridge, at Hawkins Creek and approx. 150 m east, volcanics with a lot of calcite, reacts with 10% HCL, disseminated pyrite and chalcopyrite, malachite in a few areas, MN or Mg in fractures, minor magnetics, azimuth 345°, dip 70° E, and azimuth 10°dip sub vertical.

STN-09 Location: Approx. 350 m east of Hawkins Creek, north of the swamp, felsic greenstone, amygdaloidal, the amygdules are likely filled with quartz, some veinlets of black matter, not magnetic, no reaction to HCL, azimuth 342°, dip 20° W, and azimuth 250° dip 12° N.

STN-10 Location: Between the first and second road of Eureka & Cobalt anomaly, north of the swamp and on the top of the mountain, felsic volcanics, altered and fractured, may be brecciated in some areas, not magnetic, no reaction to HCL, azimuth 304°, dip 10° SW and azimuth 60° dip sub vertical, no visible mineralization.

STN-11 Location: From the first road south of the lake, following Hawkins Creek 380 m south of the bridge and approx. 130 m east of the creek, volcanics with epidote, altered and fractured, minor magnetics in some areas, no visible mineralization, no reaction with HCL, azimuth 224°, dip sub vertical and 310° azimuth dip sub vertical.

STN-12 Location: 30 m east of STN-11, purple amygdaloidal basalt, with chunks of green basalt in calcite, reacts with 10% HCL, not magnetic, no visible mineralization, azimuth 290°, dip sub vertical and azimuth 346°, dip 6°W.

OUTCROP IDENTIFICATION AND DESCRIPTION

STN-13 Location: West of the claims group Quinsam 1, first road south of the lake, 25 m north of the road, at the upper edge of Quinsam Lake, volcanics with calcite magnetics in some areas, fractured but not very altered, reacts with 10% HCL, no visible mineralization. azimuth 52°, dip 4° north west and azimuth 300°, dip 16° southwest.

STN-14 Location: 85 m east of Hawkins Creek, at the edge of the Upper Quinsam Lake, malachite in volcanics, veinlets of calcite and a 6 cm wide vein of calcite with malachite in it, direction of the calcite vein is: N 104° E, dip 12° N, the volcanics are magnetic in some areas, plenty of reaction with HCL in the volcanics, azimuth 280°, dip 24° N and azimuth 13°. dip 16° E.

STN-15 Location: Following the lake shore of the Upper Quinsam Lake approx. 100 m going east of the STN-14, located on the top of the hill, pyrite, chalcopyrite and malachite in felsic volcanics, strongly reacting with 10% HCL, magnetics, the pyrite and chalcopyrite are disseminated, azimuth 300°, dip 28° NE and NS, dip 10° E.

STN-16 Location: Following the lake shore, 180 m east of station 14, located beside the water, volcanics which strongly react with 10% HCL, no visible mineralization, well fractured, azimuth 330°, dip sub vertical and azimuth 355° dip 22° W.

OUTCROP IDENTIFICATION AND DESCRIPTION

STN-17 Location: West of the claims group Quinsam 1, on the west claim line 15 m south of the claim post, approx. 25 m from the edge of the lake, Mn or Mg in fractures of greenstone, no visible mineralization, azimuth 96°, dip 10° S and azimuth 119°, dip 30° SW.

STN-18 Location: Eureka & Cobalt anomaly, west of the claims group Quinsam 1, 170 m east of Hawkins Creek following the first road south of the lake and 30 m north of the road, calcite veins in volcanics, trace of mineralization of copper, minor alterations and fractures, azimuth 24°, dip 12° NW and azimuth 70°, dip 20° N.

STN-19 Location: Eureka & Cobalt anomaly, 280 m east of Hawkins Creek, following the first road south of the lake and 10 m south of the road, chalcopyrite, pyrite, and malachite in volcanics, reacts with 10% HCL in some areas, lightly magnetic, azimuth 50°, dip 14° SE and azimuth 8°, dip sub vertical.

STN-20 Location: Eureka & Cobalt anomaly, 396 m east of the Hawkins Creek, following the first road south of the lake and 42 m north of the road, small veins of calcite in the volcanics, disseminated pyrite and chalcopyrite, minor malachite in the calcite, reacts strongly with 10% HCL, the calcite veins are 1 to 2 cm wide in some areas, azimuth of the calcite veins 292°, dip 10° N, fractures in the volcanics are: azimuth 298°, dip 12° N and azimuth 330°, dip 16° NE.

OUTCROP IDENTIFICATION AND DESCRIPTION

STN-21 Location: Eureka & Cobalt anomaly, main showing #1, approx. 10 m south of the road, disseminated pyrite and chalcopyrite with malachite in volcanics, reacts with 10% HCL in some magnetics, azimuth 337°, dip 18° W, azimuth 292°, dip 18° NE and azimuth 295°, dip 8° NE.

STN-22 Location: Eureka & Cobalt anomaly, main showing # 2, approx. 50 m south of the road, disseminated pyrite, chalcopyrite and some malachite in the volcanics, azimuth 242°, dip 12° NW, and azimuth 280°, dip sub vertical.

STN-23 Location: Eureka & Cobalt anomaly, main showing # 3, approx. 138 m south of the road, disseminated pyrite and chalcopyrite in volcanics, some malachite, reacts with 10% HCL in some areas, minor calcite, azimuth 308°, dip 5° NE, and azimuth 342°, dip 20° SW.

STN-24 Location: Eureka & Cobalt anomaly, 70 m north east of the station 20, north side of the first road south of the lake, minor calcite in volcanics, no visible mineralization, not magnetic, reacts with 10% HCL in some areas, azimuth 20°, dip 4° E and azimuth 318°, dip 5° NE.

STN-25 Location: Sihun Creek anomaly, 15 m north of the south claim line, located center south of the claims group Quinsam 1, east side of the creek, pyrite in quartz veins and volcanics, fractured and altered, reacts strongly with 10% HCL, pyritic quartz with anomalies of calcite around it and in the volcanics, located about 15 to 20 m under the anomaly Sihun Creek, azimuth 64°, dip 4° NW, and azimuth 304°, dip sub vertical, and the quartz vein azimuth is: 80°, dip 12° N.

OUTCROP IDENTIFICATION AND DESCRIPTION

STN-26 Location: Sihun Creek anomaly, 124 m north of the south claim line, located at the center south of the claims group Quinsam 1, east side of the creek, along the creek, quartz veins of 5 cm wide, with chalcopyrite and pyrite, minor malachite, reacts with 10% HCL in some areas, the quartz is greenish, azimuth of the quartz vein is: 72°, dip 20° N, the azimuth of the fractures in the volcanics are: 82°, dip 13° N and azimuth 142°, dip sub vertical. This mineralization is located approx 15 to 20 m under the magnetic anomalies of Sihun Creek, at the bottom of the cliff.

STN-27 Location: Sihun Creek anomaly, 285 north of the south claim line, located at the south center of the claims group Quinsam 1, at the turn of the creek almost at right angles, well formed crystals of calcite, with striation on the clivage, on these claims the small veins of calcite are volcanics which have minor pyrite, no visible mineralization, azimuth fractures: 52°, dip 22° SE.

STN-28 Location: Sihun Creek anomaly, 530 m north of the south claim line, located east side of the creek in the creek, garnetite in volcanics, the garnetite is strongly magnetic, a lot of malachite in it, reacts with 10% HCL, well altered and fractured volcanics, on each side of the garnetites, are strongly magnetic, chalcopyrite in the garnetite, the garnetite is about 1 m wide, the garnetite runs east and west. ICP analysis show: Al 19,340 ppm, Ca 116,050 ppm, Co 87 ppm, Mn 2,098 ppm, Cr 76 ppm, Au 50 ppb.

OUTCROP IDENTIFICATION AND DESCRIPTION

STN-29 Location: Iron Hill, on the top of the hill, west of the open pit, volcanics well fractured, no visible mineralization, azimuth of fractures: 312°, dip 24° SW and azimuth 85°, dip 16° N.

STN-30 Location: Iron Hill, 130 m west of the station 29, west of the open pit, volcanics, no visible mineralization, azimuth 332°, dip 16° SW and azimuth 113°, dip 18° S.

STN-31 Location: Iron Hill, 430 m west of the station 29, west of the open pit, volcanics, no visible mineralization, azimuth 81°, dip 8° N and azimuth 356°, dip 2° W.

STN-32 Location: Sihun Creek, top of the cliff, approx. 100 m south of the claim line, south center of the Quinsam 1 claims group, volcanics well fractured, reacts with 10% HCL in some areas, not magnetic, no visible mineralization, azimuth of fractures: 132°, dip 13° SW and azimuth 340°, dip sub vertical.

STN-33 Location: Sihun Creek, 92 m east of station 32, magnetite in altered and fractured volcanics, there are some small crystals of quartz, strongly magnetic, the volcanics in some areas are greenish, in some areas the magnetics are massive, the fractures dip mainly 16° south, 8° east and 20° south east.

STN-34 Location: 210 m east of the Sihun Creek, altered amygdaloidal basalt, no mineralization visible, well fractured, azimuth of fractures: 172°, dip 3° W and azimuth 227°, dip sub vertical.

OUTCROP IDENTIFICATION AND DESCRIPTION

STN-35 Location: 310 m east of Sihun Creek, amygdaloidal basalt, no visible mineralization, azimuth of fractures: 66°, dip 10° N and azimuth 142°, dip 36° SW.

STN-36 Location: 148 m north west of the small road west of the open pit, epidote in volcanics, no visible mineralization, azimuth of fractures: 67°, dip 40° N and azimuth 56°, dip 10° south east.

STN-37 Location: Iron Hill, from the road going to the second level of the open pit, on the west side of the road, volcanics, no mineralization, azimuth: 291°, dip 26° SW and azimuth 22°, dip 16° ESE.

STN-38 Location: Iron Hill, 105 m west of the road going to the second level of the open pit, volcanics, no mineralization, azimuth of fractures: 290°, dip 4° SW and azimuth 342°, dip 6° E.

STN-39 Location: South east of the claims group Quinsam 1, approx. 130 m north of the claim line east west, granodiorite which is lightly magnetic in some areas, no visible mineralization, azimuth of fractures: 4°, dip sub vertical, and azimuth 90°, dip 25° N.

STN-40 Location: South east of the claims group Quinsam 1, 160 m west of the station 39, granodiorite lightly magnetic, azimuth 3°, dip 22° E, and azimuth 91°, dip 12° N.

OUTCROP IDENTIFICATION AND DESCRIPTION

STN-41 Location: South east of the claims group Quinsam 1, 290 m west of station 39, granodiorite lightly magnetic, azimuth of fractures: 20°, dip 38° NW and azimuth 72°, dip sub vertical, located on the south side of the logging road.

STN-42 Location: South east of the claims group Quinsam 1, south of the open pit, volcanic and granodiorite, epidotization or epidiorite, possibly green diorite and a green volcanic beside it, no visible mineralization, this is about 1 m wide, azimuth of fractures: 76°, dip 7° S and azimuth 52°, dip 22° SE.

STN-43 Location: South east of the claims group Quinsam 1, 130 m west of the station 42, granodiorite lightly magnetic, no visible mineralization, azimuth: 43°, dip 7° SE and azimuth 347°, dip 14° ENE.

STN-44 Location: South east of the claims group Quinsam 1, 240 m west of station 42, granodiorite lightly magnetic, no visible mineralization, azimuth 337°, dip 22° SW, and azimuth 70°, dip 5° SE.

STN-44 Location: South east of the claims group Quinsam 1, 23 m west of the north south claim line, beside the logging road, south east of the open pit, granodiorite, shear zone 1 to 2 cm wide cut with minor veins of calcite, the granodiorite is lightly magnetic, no visible mineralization, altered and fractured, azimuth of the fractures: 157°, dip 38° SW and azimuth 112°, dip 18° NE.

OUTCROP IDENTIFICATION AND DESCRIPTION

STN-46 Location: Iron Hill, east of the open pit, on the main logging road, granodiorite lightly magnetic, no visible mineralization, azimuth of fractures: 68°, dip 14° NW, and azimuth 336°, dip SE.

STN-47 Location: Iron Hill, north of the open pit, beside the main logging road going north to the open pit, granodiorite lightly magnetic, minor alteration, well fractured, no visible mineralization, azimuth: 320°, dip 5° SE, and azimuth 37°, dip 20° NW.

STN-48 Location: North east of the claims group Quinsam 1, on the claim line east west, 110 m from the edge of the lake, granodiorite, altered and fractured, lightly magnetic, no visible mineralization, azimuth of fractures: 88°, dip 20° S and azimuth 46°, dip 12° NW.

STN-49 Location: North east of the claims group Quinsam 1, going 250 m east on the claim line from the edge of the lake and 100 m south, granodiorite, lightly magnetic, no visible mineralization, azimuth: 152°, dip sub vertical, and azimuth 68°, dip 2° SE.

STN-50 Location: Iron Hill, immediately south of the open pit, granodiorite, lightly magnetic, no visible mineralization, azimuth of fractures: 127°, dip 12° SE, and azimuth 92°, dip 25° N and azimuth 4°, dip 12° E.

OUTCROP IDENTIFICATION AND DESCRIPTION

STN-51 Location: Iron Hill, immediately south of the open pit, 200 m west of the station 50, may be diorite quartzitic, greenish, not magnetic, no visible mineralization, azimuth of fractures: 114°, dip 14° SE, and azimuth 62°, dip 4° NW.

STN-52 Location: Iron Hill, south west of the open pit, approx. 175 m west of station 51, granodiorite sometimes quartzitic, some areas are lightly magnetic, no visible mineralization, some areas strongly react to 10% HCL, azimuth of fractures: 14°, dip 10° WNW, and azimuth 73°, dip sub vertical.

STN-53 Location: Iron Hill, south west of the open pit, following the road going to Sihun Creek, approx. 120 m west of station 52, volcanics slightly magnetic, no visible mineralization, azimuth of fractures: 94°, dip sub vertical, and azimuth 352°, dip 44° WSW.

STN-54 Location: Iron Hill, on the top of the hill, west side of the open pit, volcanics aren't magnetic for sure, no visible mineralization, azimuth of fractures: 330°, dip 34° NE, and azimuth 56°, dip 30° SE.

STN-55 Location: Iron Hill, on the road going to the third level, volcanics lightly magnetic, no visible mineralization, azimuth: 20°, dip sub vertical, and azimuth 88°, dip 16° S.

OUTCROP IDENTIFICATION AND DESCRIPTION

STN-56 Location: North west of the open pit, along the main logging road, 190 m east of the Sihun Creek, south of the road, Volcanics slightly magnetic, no visible mineralization, azimuth of fractures: 348°, dip 6° SW, and azimuth 70°, dip 20° NNW.

STN-57 Location: North east of the claims group Quinsam 1, north of the open pit, north side of the main logging road, granodiorite is quite magnetic, no visible mineralization, azimuth of fractures: 182°, dip 2° E, and azimuth 92°, dip 3° S.

STN-58 Location: Iron Hill, on the road going to the third level, granodiorite lightly magnetic, no visible mineralization, fractured and altered, azimuth: 352°, dip sub vertical, and azimuth 256°, dip sub vertical.

STN-59 Location: Sihun Creek, approx. 15 m south of the bridge, each side of the creek, contact granodiorite and volcanic, the granodiorite is greenish, the volcanics are very altered and fractured, some areas of the volcanics are strongly magnetic, the granodiorite is well fractured, no visible mineralization.

STN-60 Location: Sihun Creek, east side of the creek, beside the main logging road, volcanic, no mineralization, minor calcite in fractures, reacts with 10% HCL, azimuth of fractures: 330°, dip 14° SW, and azimuth 256°, dip 30° NW.

OUTCROP IDENTIFICATION AND DESCRIPTION

STN-61 Location: Sihun Creek, on the south claim line, beside the creek, volcanic, no visible mineralization, black, not magnetic, azimuth of fractures: 80°, dip sub vertical, and azimuth 340°, dip 18° E.

STN-62 Location: Main logging road, going to Hawkins Creek close to the south claim line, volcanic, no visible mineralization, not magnetic, altered and fractured, azimuth of fractures: 16°, dip sub vertical, and azimuth 66°, dip sub vertical.

STN-63 Location: From the main logging road going to Hawkins Creek, 150 m along the south claim line, volcanics fractured and altered, no visible mineralization, lightly magnetic in some areas, azimuth:100°, dip 8° N, and azimuth 24°, dip 20° NW.

STN-64 Location: From the main logging road going to Hawkins Creek, 250 m from the road, along the south claim line, volcanic, fractured and altered, no visible mineralization, minor calcite in fractures, reacts with 10% HCL in some fractures, azimuth: 130°, dip 10° N.

STN-65 Location: From the main logging road going to Hawkins Creek, 350 m from the road, along the south claim line, black volcanics, lightly magnetic, no visible mineralization, azimuth of fractures: 140°, dip sub vertical.

EUREKA & COBALT

MAIN SHOWINGS

STATION IDENTIFICATION AND DESCRIPTION

2.3 STATION IDENTIFICATION AND DESCRIPTION

MS-001 Volcanic, amygdaloidal basalt, pillow structure fractured azimuth 253°, dip sub vertical or azimuth 295°, dip sub vertical, minor magnetics, visible malachite and pyrite. ICP analysis high values show Al 5.39 %, Ba 100 ppm, Ca 5.03%, Cr 244 ppm, Cu 1785 ppm, Fe 13.35%, Mg 3.00%, Mn 1825 ppm, No 183 ppm.

MS-002 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 336°, dip 18° SW, or azimuth 252°, dip sub vertical, visible pyrite and chalcopyrite.

MS-003 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 22°, dip 17° WNW, or azimuth 113°, dip sub vertical, or azimuth 44°, dip 17° SW visible malachite.

MS-004 Volcanic, amygdaloidal basalt, pillow structure fractured azimuth 324°, dip 6° NE visible malachite chalcopyrite and pyrite.

MS-005 Volcanic, amygdaloidal basalt, pillow structure fractured azimuth 306°, dip sub vertical or azimuth 60°, dip 13° NW. Visible erythrite, malachite and chalcopyrite. ICP analysis high values show: Co 301 ppm, Cu 6080 ppm, Fe 12.45%, Mn 1495 ppm.

MS-006 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 326°, dip sub vertical, visible malachite, pyrite and chalcopyrite.

MS-007 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 345°, dip 10° NE, or azimuth 298°, dip sub vertical, visible erythrite, malachite, chalcopyrite and pyrite. ICP analysis high values show: Au 0.026 oz/T, As 10,000 ppm, Bi 40 ppm, Co 10,000 ppm, Cu 2710 ppm, Fe 9.50%, Mn 1250 ppm, Ni 527 ppm.

STATION IDENTIFICATION AND DESCRIPTION

MS-008 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 292°, dip 10° E visible malachite, chalcopyrite and pyrite. ICP analysis high values show: Ag 1.2 ppm, Cu 3330 ppm, Fe 4.02%, Mn 1125 ppm.

MS-009 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 264°, dip sub vertical, visible malachite and pyrite. ICP analysis high values show: Cu 10,000 ppm, Fe 10.70%, Mg 1.63%, Mn 1260 ppm, Zn 236 ppm.

MS-010 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 274°, dip 5° N, visible malachite, chalcopyrite and pyrite.

MS-011 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 296°, dip sub vertical, visible chalcopyrite, pyrite and malachite.

MS-012 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 280°, dip sub vertical, visible pyrite.

MS-013 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 240°, dip 38° NW, visible malachite.

MS-014 Volcanic, amygdaloidal basalt, pillow structure fracturedm azimuth 310°, dip 8° NE, or azimuth 260°, dip 20° NW, visible erythrite, chalcopyrite, pyrite, malachite. ICP analysis high values show: Ag 11.0 ppm, As 3920 ppm, Co 2850 ppm, Cu 10,000 ppm, Fe 11.30 ppm, Mg 1.01%, Mn 1045 ppm, Pb 210 ppm, W 120 ppm, Zn 288 ppm.

STATION IDENTIFICATION AND DESCRIPTION

MS-015 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 310°, dip 20° NE, visible malachite, chalcopyrite, pyrite, erythryte, the chalcopyrite is in nodules. ICP analysis high values show: Au 0.018 oz/T, Ag 24.4 ppm, As 3870 ppm, Co 2980 ppm, Cu 10,000 ppm, Ni 287 ppm, W 430 ppm, Zn 481 ppm.

MS-016 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 10°, dip 10 to 12° south east, azimuth 54°, dip 10° NE, chalcopyrite is in nodules, visible malachite and pyrite.

MS-017 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 58°, dip 8° SE, azimuth 270°, dip sub vertical. Visible pyrite and malachite.

MS-018 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 262°, dip 6° N, visible malachite, pyrite, and chalcopyrite in nodules.

MS-019 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 328°, dip sub vertical, azimuth 280°, dip sub vertical. Visible malachite. ICP analysis high values show: Co 165 ppm, Cu 10,000 ppm, Fe 5.81%, Zn 258 ppm.

MS-020 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 328°, dip sub vertical, azimuth 310°, dip sub vertical, azimuth 44°, dip 22° NW, minor quartz, chalcopyrite, pyrite, and malachite. ICP analysis high values show: Cr 105 ppm, Cu 1815 ppm, Fe 4,84%.

STATION IDENTIFICATION AND DESCRIPTION

MS-021 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 118°, dip sub vertical, azimuth 92°, dip 16° S, altered volcanics with minor quartz, visible malachite.

MS-022 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 104°, dip 22° SSE, visible malachite and chalcopyrite, veins of quartz. ICP analysis high values show: Ag 4.6 ppm, Cr 111 ppm, Cu 5010 ppm, Fe 6.93%, Mg 2.72%, Mn 1135 ppm, V 199 ppm, Zn 140 ppm.

MS-023 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 316°, dip subvertical, volcanic with disseminated pyrite, minor vein of quartz with malachite.

MS-024 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 330°, dip 10° ENE, volcanic with disseminated pyrite, minor veins of quartz with chalcopyrite and malachite. ICP analysis high values show: Ag 9.2 ppm, Al 33,740 ppm, Ca 19,350 ppm, Co 103 ppm, Cu 14,954 ppm, Fe 92,570 ppm, Mg 25,880 ppm, Mn 1331 ppm, V 212.6 ppm, Zn 208 ppm, Cr 182 ppm.

MS-025 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 255°, dip 20° N, azimuth 327°, dip 28° SW visible malachite and disseminated pyrite.

MS-026 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 4°, dip 25° W, azimuth 70°, dip 24° NNW, azimuth 58°, dip 14° NNW, minor malachite and pyrite.

STATION IDENTIFICATION AND DESCRIPTION

MS-027 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 330°, dip 20° SW, azimuth 360°, dip 28° W, visible chalcopyrite and malachite. ICP analysis high values show: Al 9070 ppm, Ca 17,600 ppm, Cu 7187 ppm, Fe 39,620 ppm, Mg 2990 ppm, Mn 1354 ppm, Zn 142 ppm, Cr 112 ppm.

MS-028 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 24°, dip sub vertical, azimuth 80°, dip 28° N, azimuth 252°, dip 24° NNW visible malachite, chalcopyrite, and pyrite. ICP analysis high values show: Ag 11.7 ppm, Al 21,820 ppm, Ca 20,700 ppm,Cu 17,034 ppm, Fe 63,110 ppm, Mg 2,180 ppm, V 189 ppm, Zn 407 ppm, Cr 228 ppm, Au 200 ppb.

MS-029 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 322°, dip sub vertical, azimuth 318°, dip sub vertical, disseminated pyrite, visible malachite.

MS-030 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 324°, dip 12° NNE, visible malachite, chalcopyrite, disseminated pyrite. ICP analysis high values show: Al 5650 ppm, Ca 36,150 ppm, Co 129 ppm, Cu 24,179 ppm, Fe 63,110 ppm, Mg 2,180 ppm, Ni 107 ppm, Zn 133 ppm, Au 370 ppb.

MS-031 Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 352°, dip 10° west, visible chalcopyrite, disseminated pyrite.

STATION IDENTIFICATION AND DESCRIPTION

MS-032	Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 340°, dip 7° NE, visible chalcopyrite.
MS-033	Volcanic, amygdaloidal basalt, pillow structure fractured, azimuth 330°, dip sub vertical, azimuth 68°, dip 22° SE, azimuth 317°, dip 24° SW, azimuth 323°, dip 7° SW, nodules of chalcopyrite, visible malachite, pyrite and malachite, minor erythrite.

2.4 GEOCHEMISTRY

The samples collected on Quinsam 1 claim group consist mainly of rock samples from different geological environments, for the better understanding of migration of elements in different rock types, each sample station was marked with a red flag and the sample number.

All samples were collected in duplicate, a total of 206 samples were collected on Quinsam 1 claim group, 65 samples are for outcrop identification, 141 are for analysis which 72 were sent to the lab.

Iron Hill ore deposit samples:

Volcanic: IH-024 to IH-035, IH-045 to IH-048, IH-050, IH-053, IH-055, IH-056, IH-058 to IH-061, IH-141, IH-146, IH-171.
Limestone: IH-036 to IH-038, IH-040 to IH-042, IH-114 to IH-120, IH-158.
Garnetite: IH-039, IH-043 to IH-045, IH-051, IH-052, IH-054, IH-057, IH-069,IH-142 to IH-145, IH-147 to IH-057, IH-159 to IH-170, IH-172 to IH-176, IH-178.
Crystaline Garnetite: IH-049, IH-052, IH-182 to IH-192.
Tailings: IH-177, Mine Creek sediment: MC-139.
See chapter 4.2

Eureka & Cobalt samples:

EC-065, EC-074 to EC-082, EC-085, EC-104, EC-105, EC-106, EC-121 to EC-124, EC-127, EC-128, EC-179, EC-193. See chapter 3.4, 4.3.

Sihun Creek samples:

SCS-067, SCS-068, SC-083, SC-084, SC-107 to SC 109, SC-129 to SC-137, SC-138, SC-140, SC-178, see: 3.4, 4.6.

West of Hawkins Creek: ZB-101, ZB-102, ZB-103, see chapter 3.4.

Concerning the anomalies glacial till, we can use copper as the pathfinder element, further investigation will be necessary to pinpoint the origin. See chapter 3.7, 3.10, 4.1.

2.5

STATISTICAL SUMMARY

MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON AU

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

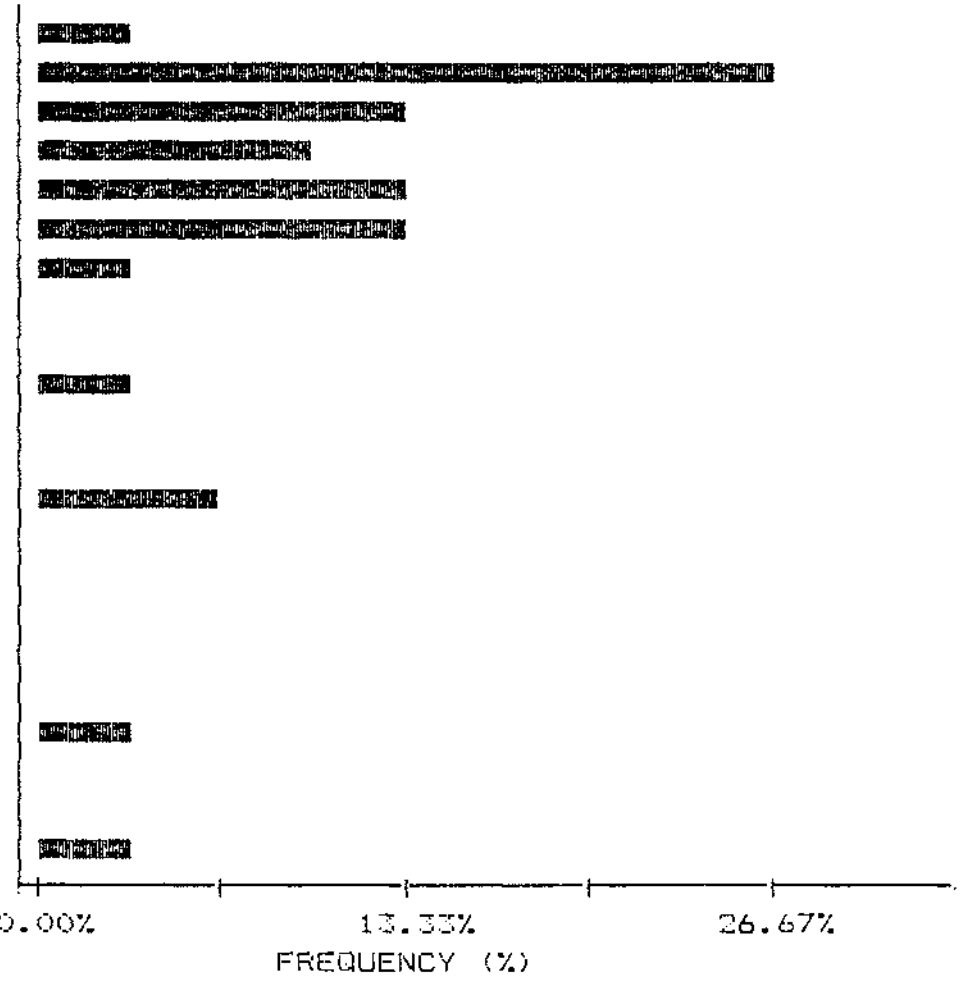
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	1450.0 PPB
MINIMUM VALUE:	5.0 PPB
MEAN:	213.3 PPB
STD. DEVIATION:	308.5 PPB
COEFF. OF VARIATION:	1.4

5 HIGHEST AU VALUES:

IH159	1450.0 PPB
IH158	810.0 PPB
IH167	480.0 PPB
IH150	455.0 PPB
IH165	340.0 PPB

HISTOGRAM FOR AU CLASS INTERVAL = 40.25

MID CLASS PPB	CLASS %
< 5.00	3.33
25.12	26.67
65.37	13.33
105.62	10.00
145.87	13.33
186.12	13.33
226.37	3.33
266.62	0.00
306.87	0.00
347.12	3.33
387.37	0.00
427.62	0.00
467.87	6.67
508.12	0.00
548.37	0.00
588.62	0.00
628.87	0.00
669.12	0.00
709.37	3.33
749.62	0.00
789.87	0.00
> 810.00	3.33



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

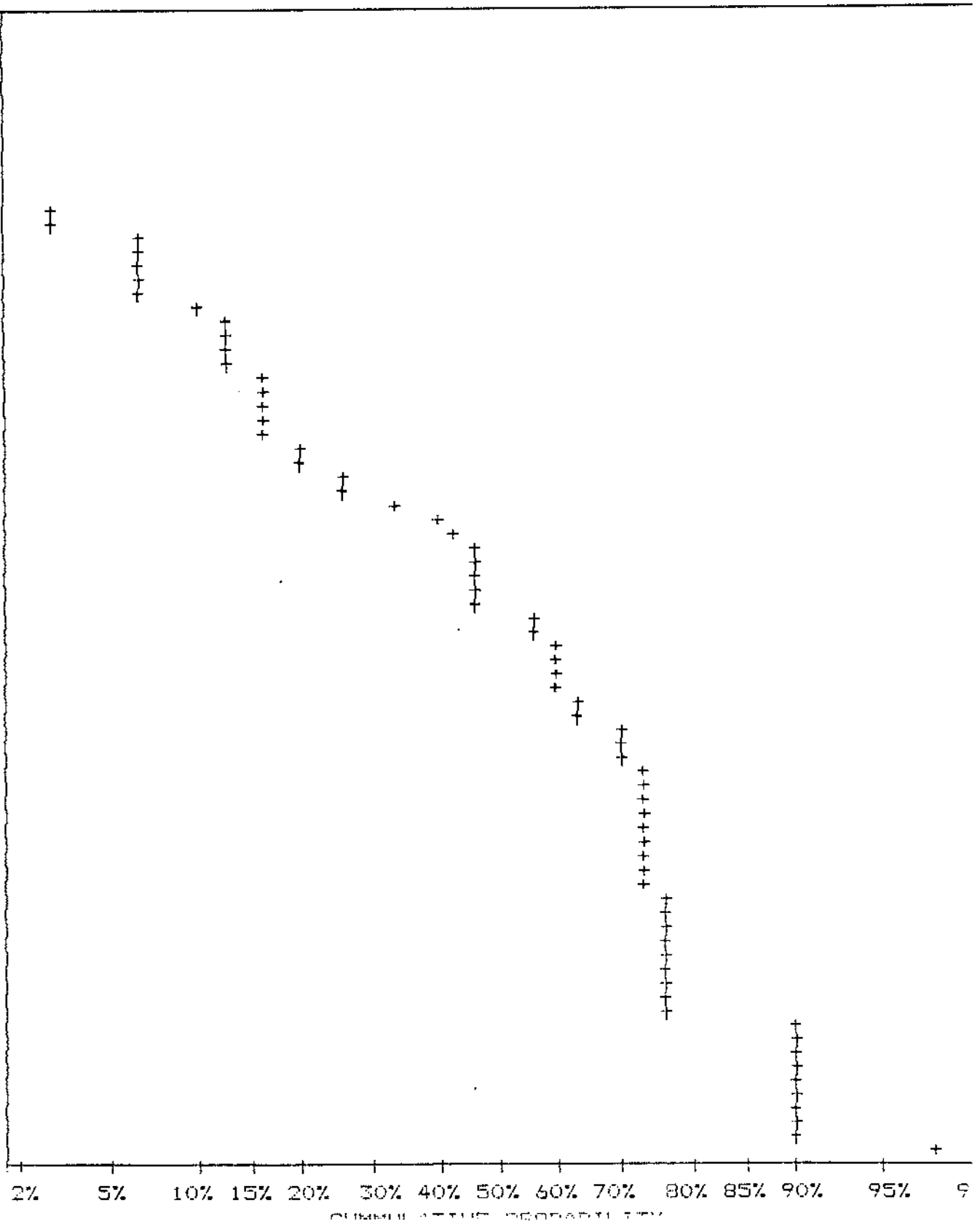
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON AU

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPB)	CUMMUL. FREQ. (%)
1344.42	0.00
1155.77	0.00
993.59	0.00
854.17	0.00
734.31	3.33
631.27	6.67
542.69	6.67
466.54	10.00
401.07	13.33
344.79	13.33
296.41	16.67
254.82	16.67
219.06	20.00
188.32	26.67
161.90	33.33
139.18	43.33
119.65	46.67
102.86	46.67
88.43	56.67
76.02	60.00
65.35	60.00
56.18	63.33
48.30	70.00
41.52	70.00
35.69	73.33
30.69	73.33
26.38	73.33
22.68	73.33
19.50	76.67
16.76	76.67
14.41	76.67
12.39	76.67
10.65	76.67
9.15	90.00
7.87	90.00
6.77	90.00
5.82	90.00
5.00	96.67



2.5

MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON AG

COMPANY:G.D.DIAMOND DRILLING LTD.
ATTN:J.P.LOISELLE
PROJECT:QUINSAM I
FILE#:8-1900

DATE:NOVEMBER 9 1988
SAMPLE TYPE:ROCK
ANALYSIS TYPE:GEOCHEM

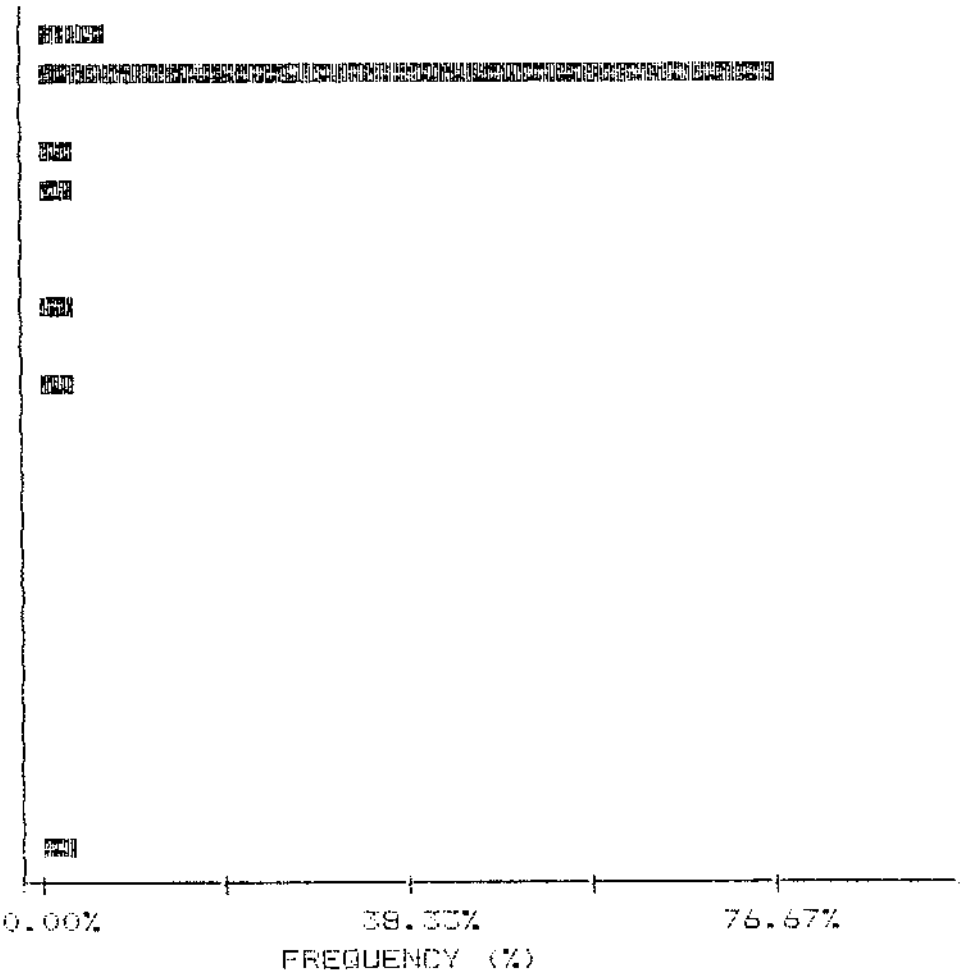
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	24.1 PPM
MINIMUM VALUE:	0.3 PPM
MEAN:	2.8 PPM
STD. DEVIATION:	5.8 PPM
COEFF. OF VARIATION:	2.1

5 HIGHEST AG VALUES:

IH157	24.1 PPM
IH168	21.0 PPM
IH166	9.6 PPM
IH172	7.1 PPM
IH151	3.8 PPM

HISTOGRAM FOR AG CLASS INTERVAL = 1.03

MID CLASS PPM	CLASS %
0.40	6.67
0.91	76.67
1.94	0.00
2.97	3.33
4.00	3.33
5.03	0.00
6.06	0.00
7.09	3.33
8.12	0.00
9.15	3.33
10.18	0.00
11.21	0.00
12.24	0.00
13.27	0.00
14.30	0.00
15.33	0.00
16.36	0.00
17.39	0.00
18.42	0.00
19.45	0.00
20.48	0.00
21.00	3.33



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON AG

COMPANY: G.D.DIAMOND DRILLING LTD.

ATTN: J.P.LOISELLE

PROJECT: QUINSAM I

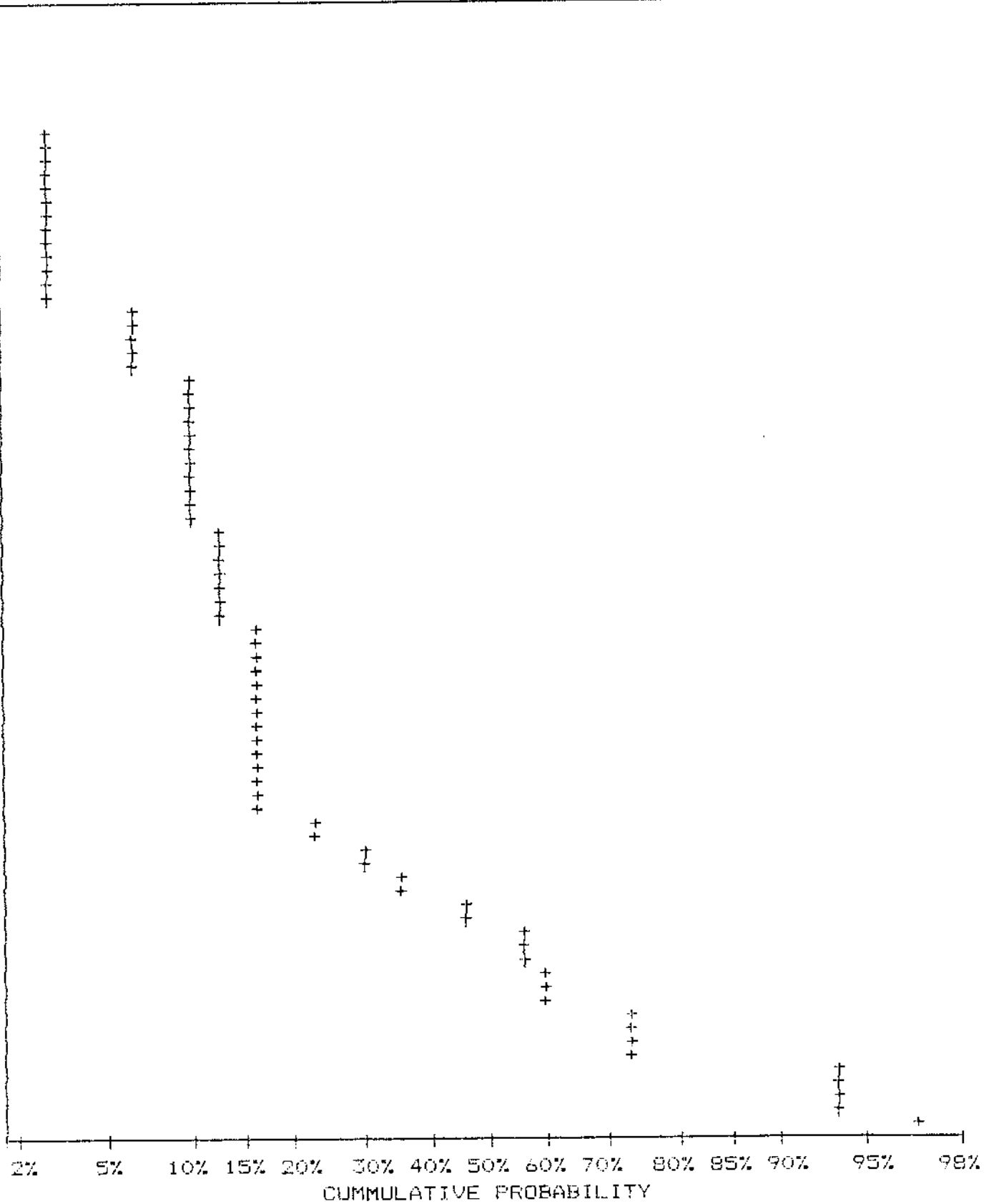
FILE#: 8-1900

DATE: NOVEMBER 9 1988

SAMPLE TYPE: ROCK

ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
22.73	0.00
20.22	3.33
17.99	3.33
16.00	3.33
14.24	3.33
12.67	3.33
11.27	3.33
10.02	3.33
8.92	6.67
7.93	6.67
7.06	10.00
6.28	10.00
5.59	10.00
97	10.00
4.42	10.00
3.93	10.00
3.50	13.33
3.11	13.33
2.77	13.33
2.46	16.67
2.19	16.67
1.95	16.67
1.73	16.67
1.54	16.67
1.37	16.67
1.22	16.67
1.09	23.33
0.97	30.00
0.86	36.67
0.76	46.67
0.68	56.67
0.61	56.67
0.54	60.00
0.48	73.33
.43	73.33
0.38	93.33
0.34	93.33
0.30	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON AL

MF..NY:G.D.DIAMOND DRILLING LTD.
TN:J.P.LOISELLE
OJECT:QUINSAM I
LE#:8-1900

DATE:NOVEMBER 9 1988
SAMPLE TYPE:ROCK
ANALYSIS TYPE:GEOCHEM

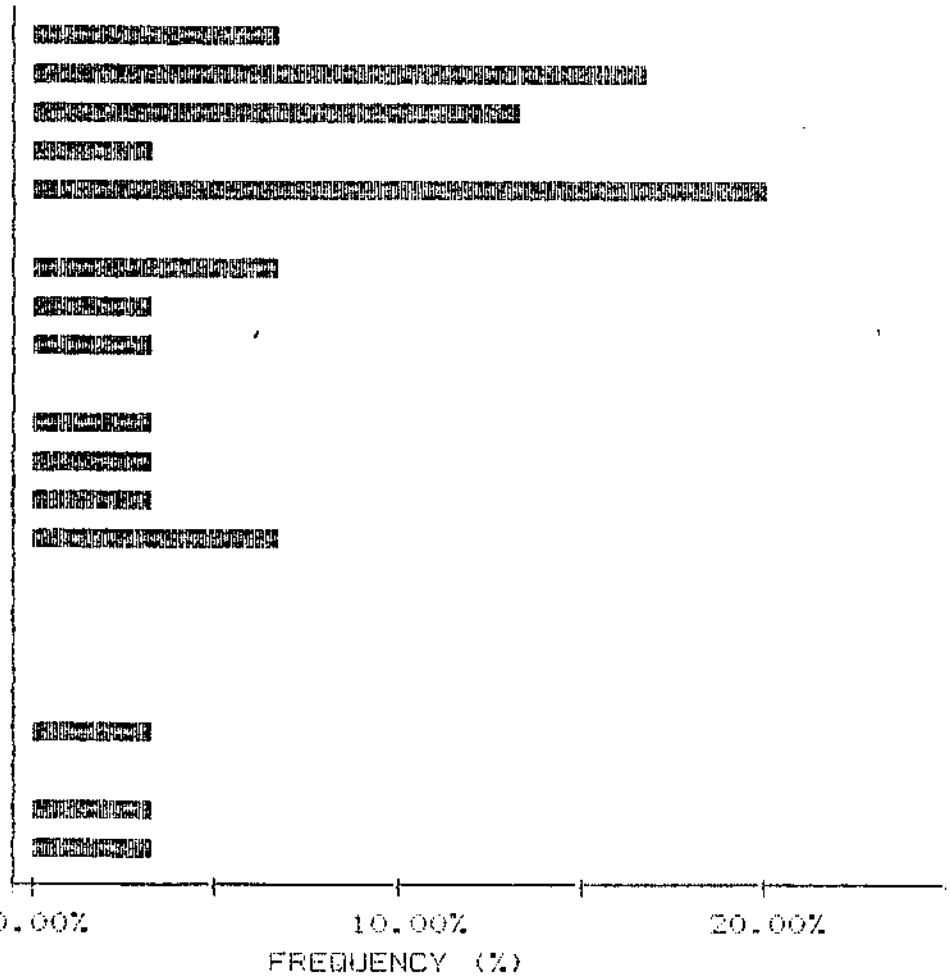
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	70270.0 PPM
MINIMUM VALUE:	490.0 PPM
MEAN:	10594.3 PPM
STD. DEVIATION:	13862.2 PPM
COEFF. OF VARIATION:	1.3

5 HIGHEST AL VALUES:

IH176	70270.0 PPM
IH149	28190.0 PPM
IH158	27890.0 PPM
IH148	24090.0 PPM
IH169	18040.0 PPM

ISTOGRAM FOR AL CLASS INTERVAL = 1380.00

MID CLASS PPM	CLASS %
590.00	6.67
1280.00	16.67
2660.00	13.33
940.00	3.33
320.00	20.00
6800.00	0.00
8180.00	6.67
9560.00	3.33
10940.00	3.33
12320.00	0.00
13700.00	3.33
15080.00	3.33
16460.00	3.33
17840.00	6.67
19220.00	0.00
20600.00	0.00
21980.00	0.00
23360.00	0.00
24740.00	3.33
26120.00	0.00
27500.00	3.33
28190.00	3.33



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON AL

CO. ANY:G.D.DIAMOND DRILLING LTD.

ATTN:J.P.LOISELLE

PROJECT:QUINSAM I

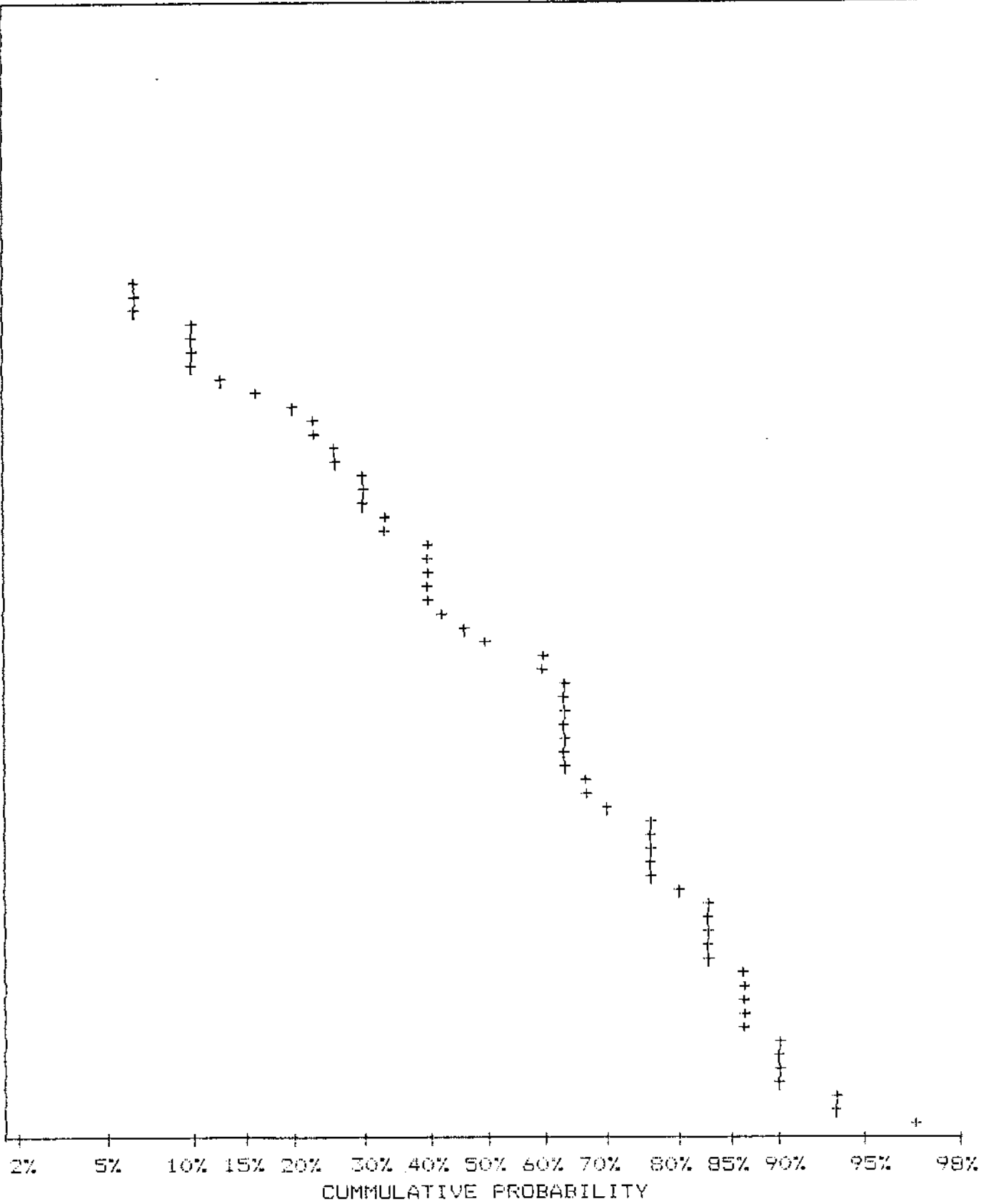
FILE#:8-1900

DATE:NOVEMBER 9 1988

SAMPLE TYPE:ROCK

ANALYSIS TYPE:GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
65768.15	0.00
57611.21	0.00
50465.94	0.00
44206.87	0.00
38724.08	0.00
33921.30	0.00
29714.18	0.00
26028.86	6.67
22800.61	10.00
19972.75	10.00
17495.62	13.33
15325.71	20.00
13424.93	23.33
11759	26.67
10301.36	30.00
9023.73	33.33
7904.56	40.00
6924.19	40.00
6065.41	40.00
5313.14	46.67
4654.18	60.00
4076.94	63.33
3571.29	63.33
3128.36	63.33
2740.36	63.33
2400.49	66.67
2102.77	76.67
1841.97	76.67
1613.52	76.67
1413.40	83.33
1238.10	83.33
1084.55	83.33
950.03	86.67
832.21	86.67
99	90.00
638.58	90.00
559.38	93.33
490.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON AS

COMPANY:G.D.DIAMOND DRILLING LTD. DATE:NOVEMBER 9 1988

ATTN:J.P.LOISELLE SAMPLE TYPE:ROCK

PROJECT:QUINSAM I ANALYSIS TYPE:GEOCHEM

FILE#:8-1900

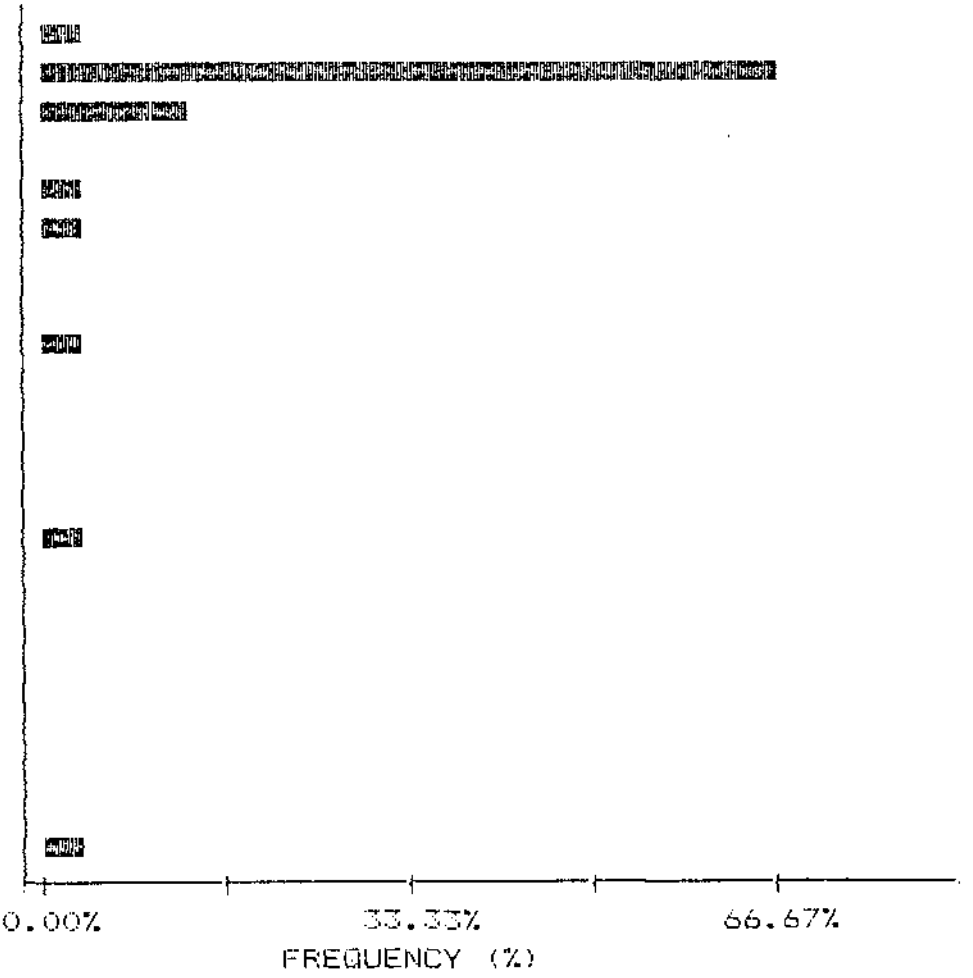
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	1397.0 PPM
MINIMUM VALUE:	1.0 PPM
MEAN:	130.3 PPM
STD. DEVIATION:	299.8 PPM
COEFF. OF VARIATION:	2.3

5 HIGHEST AS VALUES:

IH149	1397.0 PPM
IH159	537.0 PPM
IH158	325.0 PPM
IH168	178.0 PPM
IH167	156.0 PPM

HISTOGRAM FOR AS CLASS INTERVAL = 41.60

	MID CLASS PPM	CLASS %
<	1.00	3.33
	21.80	66.67
	63.40	13.33
	105.00	0.00
	146.60	3.33
	188.20	3.33
	229.80	0.00
	271.40	0.00
	313.00	3.33
	354.60	0.00
	396.20	0.00
	437.80	0.00
	479.40	0.00
	521.00	3.33
	562.60	0.00
	604.20	0.00
	645.80	0.00
	687.40	0.00
	729.00	0.00
	770.60	0.00
	812.20	0.00
>	833.00	3.33



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

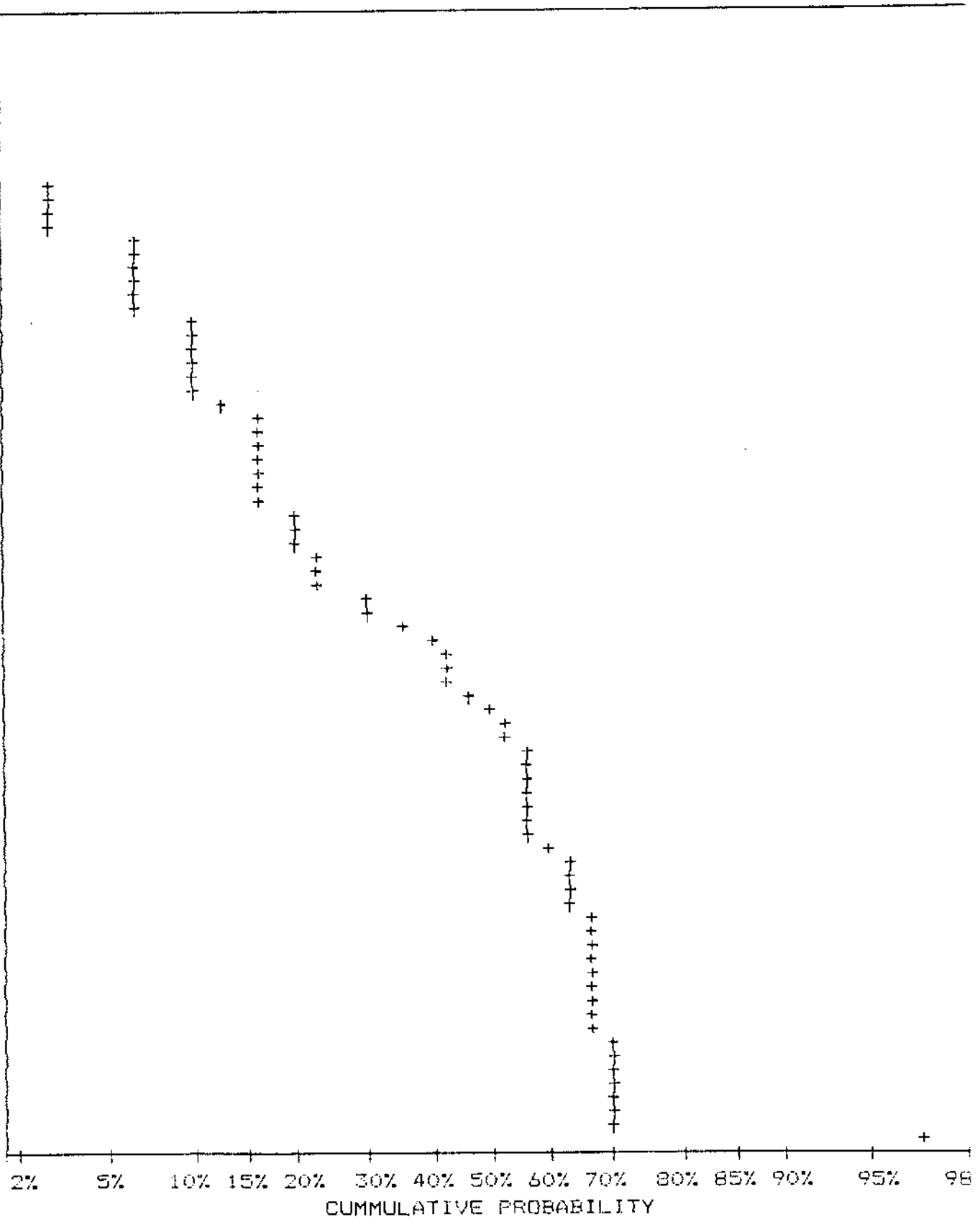
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON AS

COMPANY: G.D.DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
1268.41	0.00
1045.66	0.00
862.02	0.00
710.63	3.33
585.83	3.33
482.95	6.67
398.13	6.67
328.21	6.67
270.57	10.00
223.06	10.00
183.88	10.00
151.59	16.67
124.97	16.67
103.02	16.67
84.93	16.67
70.01	20.00
57.72	23.33
47.58	23.33
39.23	30.00
32.34	40.00
26.66	43.33
21.98	46.67
18.12	53.33
14.94	56.67
12.31	56.67
10.15	56.67
8.37	56.67
6.90	63.33
5.69	63.33
4.69	66.67
3.86	66.67
3.19	66.67
2.63	66.67
2.17	66.67
1.78	70.00
1.47	70.00
1.21	70.00
1.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON B

COMPANY: G.D.DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

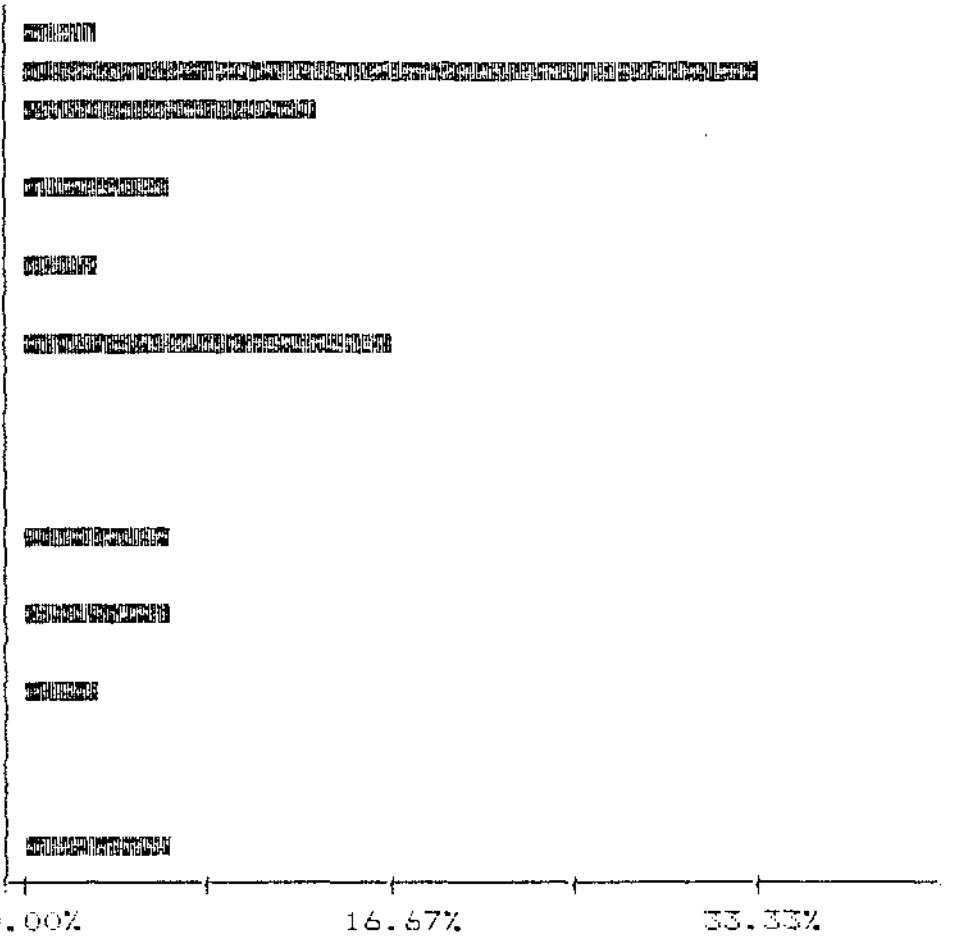
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	23.0 PPM
MINIMUM VALUE:	1.0 PPM
MEAN:	4.8 PPM
STD. DEVIATION:	4.9 PPM
COEFF. OF VARIATION:	1.0

5 HIGHEST B VALUES:

IH176	23.0 PPM
IH149	12.0 PPM
IH150	12.0 PPM
IH162	10.0 PPM
IH159	9.0 PPM

HISTOGRAM FOR B CLASS INTERVAL = 0.55

MID CLASS PPM	CLASS %
< 1.00	3.33
1.27	33.33
1.82	13.33
2.37	0.00
2.92	6.67
3.47	0.00
4.02	3.33
4.57	0.00
5.12	16.67
5.67	0.00
6.22	0.00
6.77	0.00
7.32	0.00
7.87	6.67
8.42	0.00
8.97	6.67
9.52	0.00
10.07	3.33
10.62	0.00
11.17	0.00
11.72	0.00
> 12.00	6.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

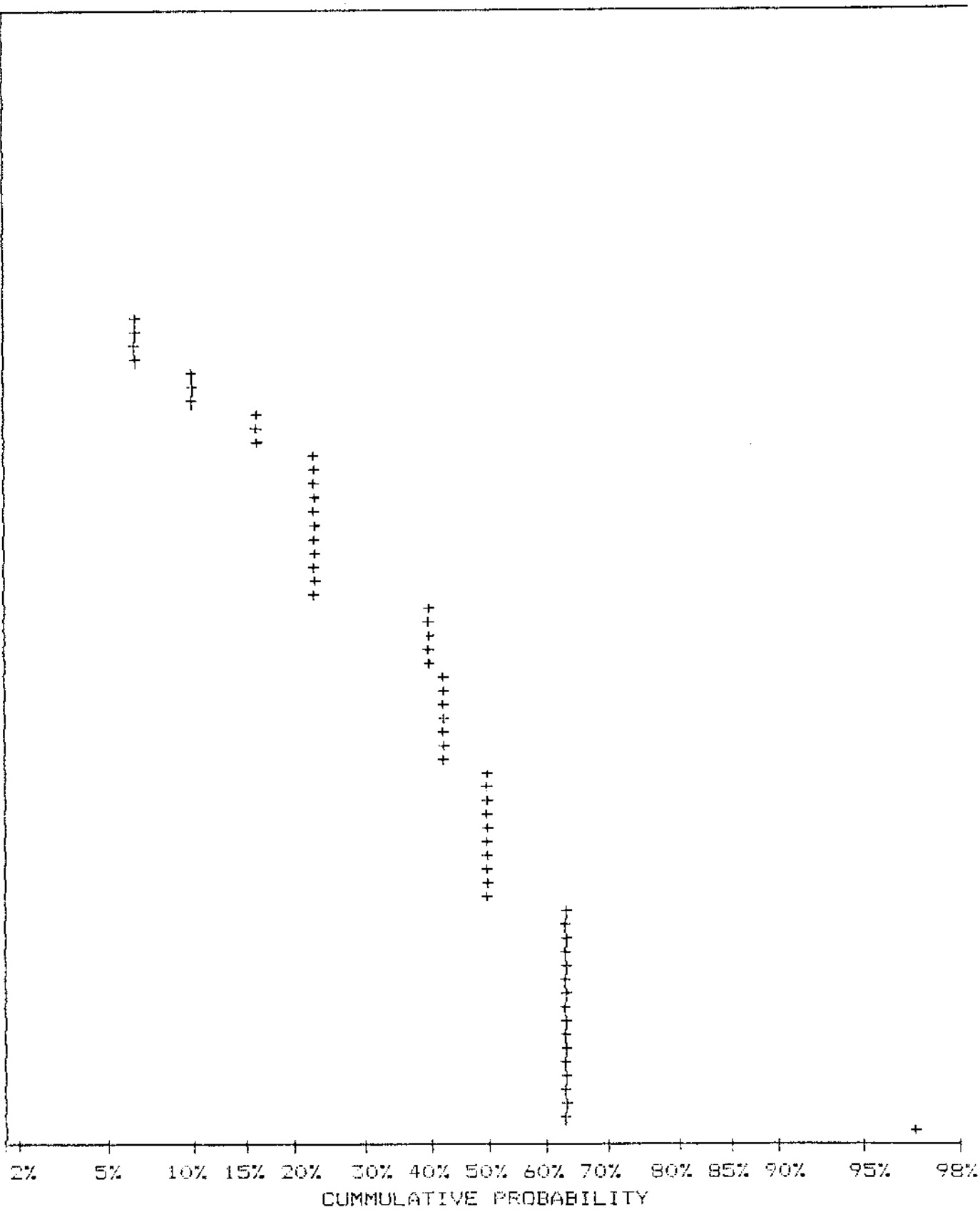
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON B

COMPANY: G.D.DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
22.06	0.00
20.29	0.00
18.66	0.00
17.16	0.00
15.79	0.00
14.52	0.00
13.36	0.00
12.29	0.00
11.30	6.67
10.39	6.67
9.56	10.00
8.79	16.67
8.09	16.67
7.44	23.33
6.84	23.33
6.29	23.33
5.79	23.33
5.32	23.33
4.90	40.00
4.50	40.00
4.14	40.00
3.81	43.33
3.51	43.33
3.22	43.33
2.97	50.00
2.73	50.00
2.51	50.00
2.31	50.00
2.12	50.00
1.95	63.33
1.80	63.33
1.65	63.33
1.52	63.33
1.40	63.33
1.29	63.33
1.18	63.33
1.09	63.33
1.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON BA

MPANY: G.D.DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

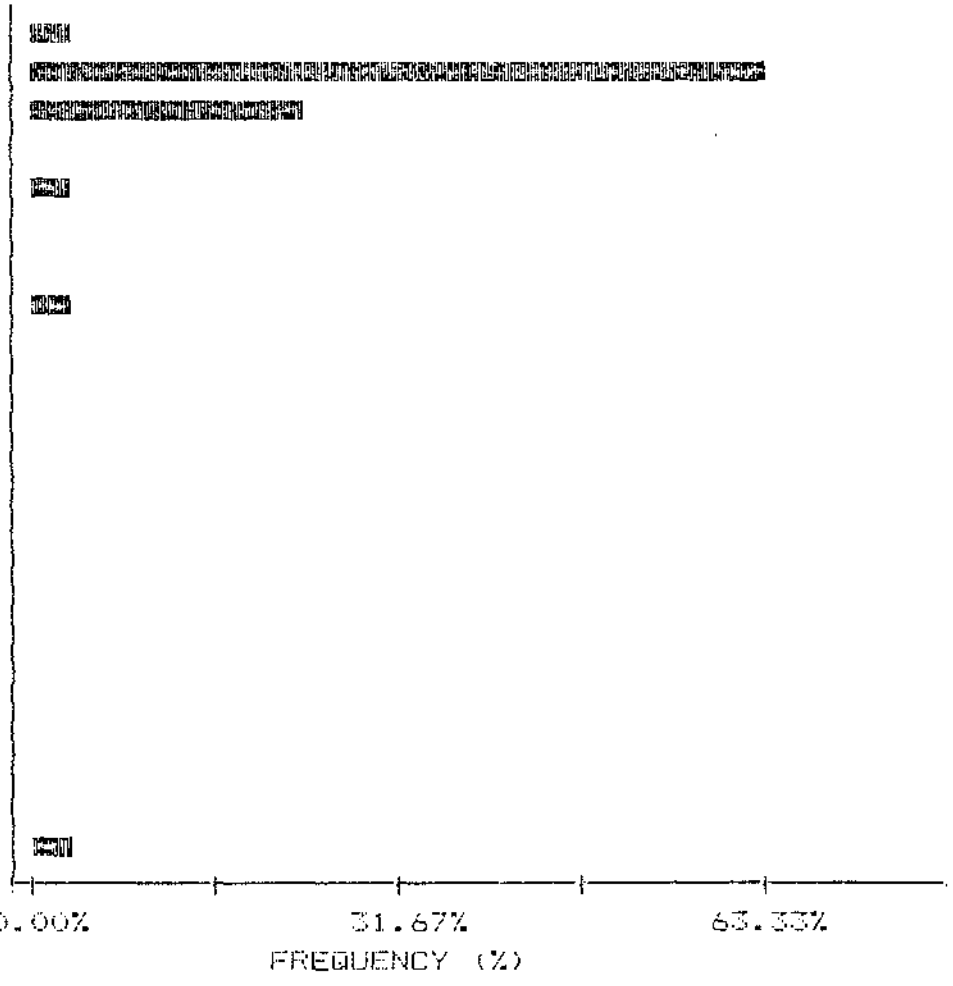
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	26.0 PPM
MINIMUM VALUE:	1.0 PPM
MEAN:	2.7 PPM
STD. DEVIATION:	5.0 PPM
COEFF. OF VARIATION:	1.9

5 HIGHEST BA VALUES:

IH176	26.0 PPM
IH169	14.0 PPM
IH172	5.0 PPM
IH155	3.0 PPM
IH151	2.0 PPM

HISTOGRAM FOR BA CLASS INTERVAL = 0.65

MID CLASS PPM	CLASS %
< 1.00	3.33
1.32	63.33
1.97	23.33
2.62	0.00
3.27	3.33
3.92	0.00
4.57	0.00
5.22	3.33
5.87	0.00
6.52	0.00
7.17	0.00
7.82	0.00
8.47	0.00
9.12	0.00
9.77	0.00
10.42	0.00
11.07	0.00
11.72	0.00
12.37	0.00
13.02	0.00
13.67	0.00
> 14.00	3.33



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

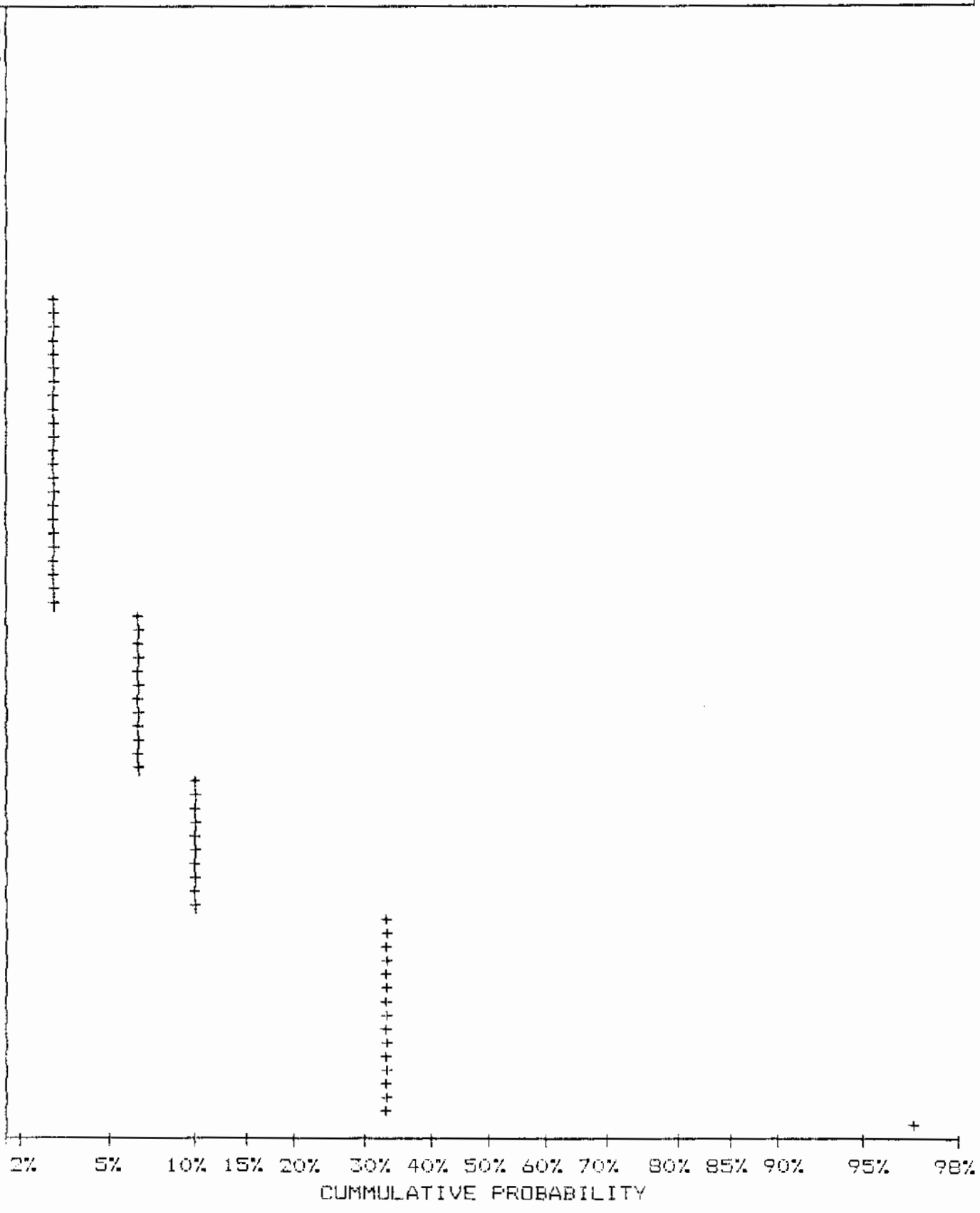
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON BA

COMPANY: G.D.DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
24.89	0.00
22.82	0.00
20.92	0.00
19.18	0.00
17.59	0.00
16.12	0.00
14.78	0.00
13.55	3.33
12.42	3.33
11.39	3.33
10.44	3.33
9.57	3.33
8.78	3.33
.05	3.33
7.38	3.33
6.76	3.33
6.20	3.33
5.68	3.33
5.21	3.33
4.78	6.67
4.38	6.67
4.02	6.67
3.68	6.67
3.37	6.67
3.09	6.67
2.84	10.00
2.60	10.00
2.38	10.00
2.19	10.00
2.00	10.00
1.84	33.33
1.68	33.33
1.54	33.33
1.42	33.33
1.30	33.33
1.19	33.33
1.09	33.33
1.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON BE

COMPANY: G.D.DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

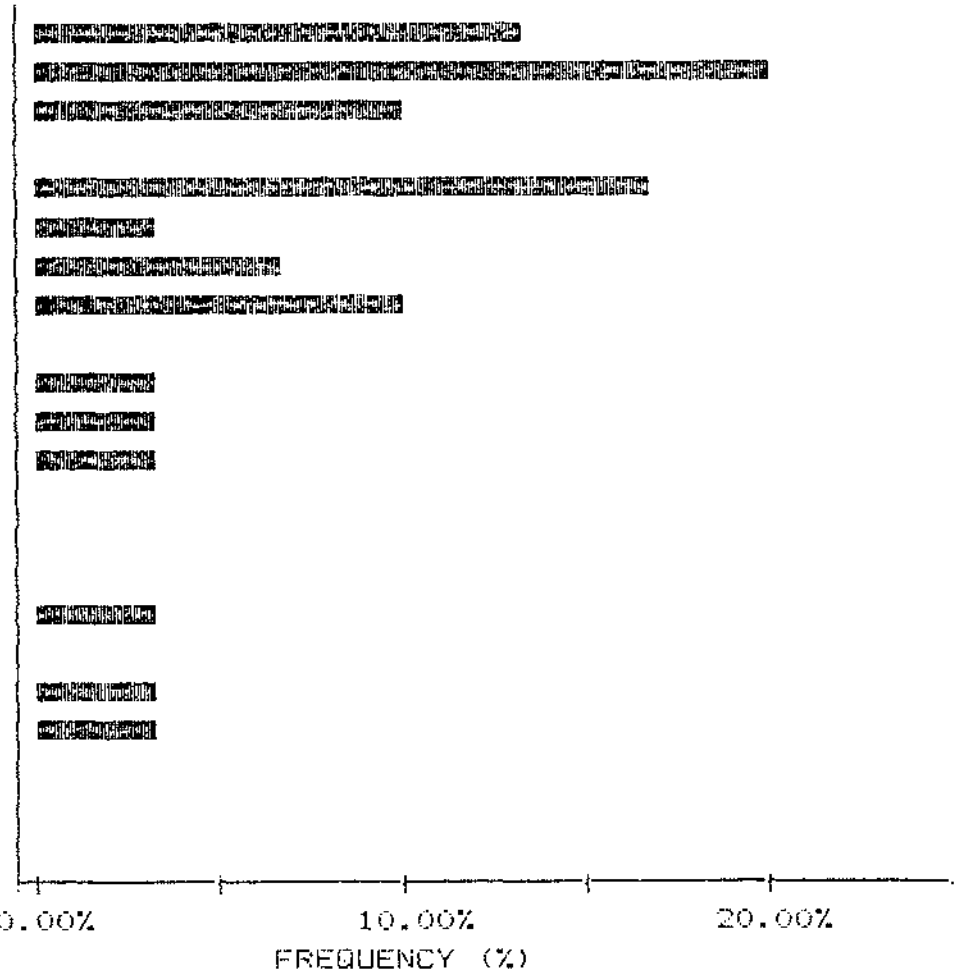
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	2.3 PPM
MINIMUM VALUE:	0.1 PPM
MEAN:	0.8 PPM
STD. DEVIATION:	0.6 PPM
COEFF. OF VARIATION:	0.8

5 HIGHEST BE VALUES:

IH167	2.3 PPM
IH166	2.1 PPM
IH156	2.0 PPM
IH155	1.8 PPM
IH176	1.3 PPM

HISTOGRAM FOR BE CLASS INTERVAL = 0.11

MID CLASS PPM	CLASS %
< 0.20	13.33
0.25	20.00
0.36	10.00
0.47	0.00
0.58	16.67
0.69	3.33
0.80	6.67
0.91	10.00
1.02	0.00
1.13	3.33
1.24	3.33
1.35	3.33
1.46	0.00
1.57	0.00
1.68	0.00
1.79	3.33
1.90	0.00
2.01	3.33
2.12	3.33
2.23	0.00
2.34	0.00
> 2.30	0.00



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON BE

JMPANY: G.D.DIAMOND DRILLING LTD.

ATTN: J.P.LOISELLE

PROJECT: QUINSAM I

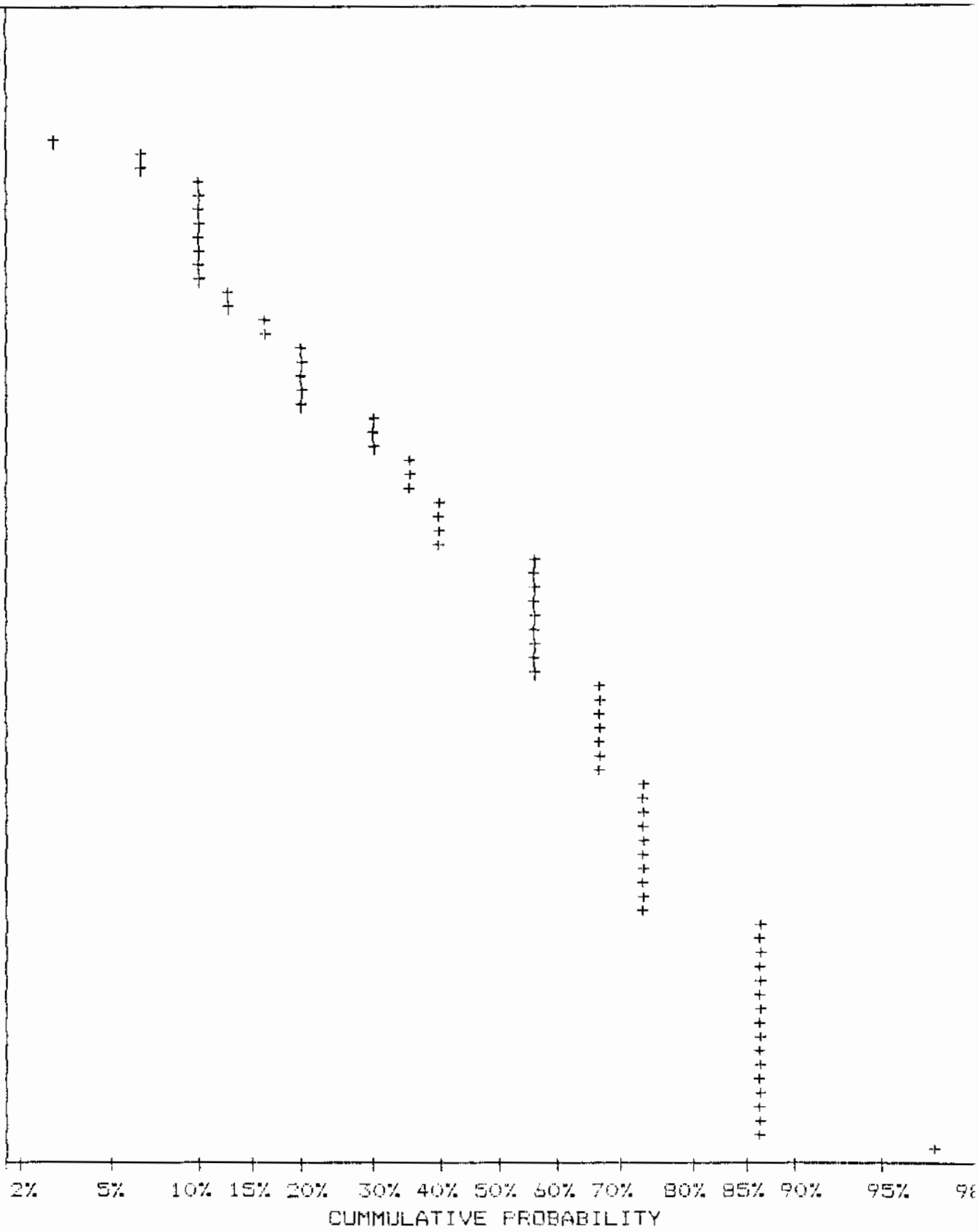
FILE#: 8-1900

DATE: NOVEMBER 9 1988

SAMPLE TYPE: ROCK

ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
2.21	0.00
2.03	3.33
1.87	6.67
1.72	10.00
1.58	10.00
1.45	10.00
1.34	10.00
1.23	13.33
1.13	16.67
1.04	20.00
0.96	20.00
0.88	30.00
0.81	30.00
0.74	36.67
0.68	40.00
0.63	40.00
0.58	56.67
0.53	56.67
0.49	56.67
0.45	56.67
0.41	56.67
0.38	66.67
0.35	66.67
0.32	66.67
0.30	73.33
0.27	73.33
0.25	73.33
0.23	73.33
0.21	73.33
0.20	86.67
0.18	86.67
0.17	86.67
0.15	86.67
0.14	86.67
0.13	86.67
0.12	86.67
0.11	86.67
0.10	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON BI

MPANY: G.D.DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

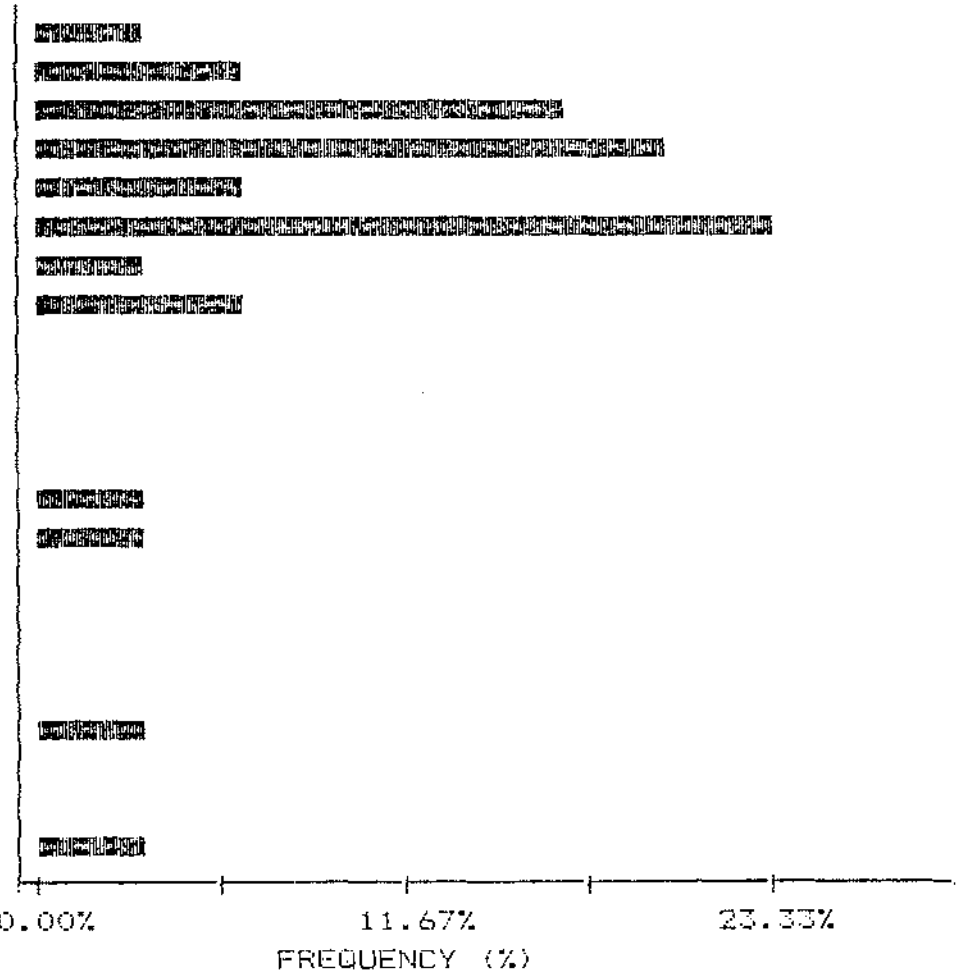
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	27.0 PPM
MINIMUM VALUE:	1.0 PPM
MEAN:	6.1 PPM
STD. DEVIATION:	6.1 PPM
COEFF. OF VARIATION:	1.0

5 HIGHEST BI VALUES:

IH176	27.0 PPM
IH168	21.0 PPM
IH172	18.0 PPM
IH149	13.0 PPM
IH166	12.0 PPM

HISTOGRAM FOR BI CLASS INTERVAL = 1.00

	MID CLASS PPM	CLASS %
<	1.00	3.33
	1.50	6.67
	2.50	16.67
	3.50	20.00
	4.50	6.67
	5.50	23.33
	6.50	3.33
	7.50	6.67
	8.50	0.00
	9.50	0.00
	10.50	0.00
	11.50	0.00
	12.50	3.33
	13.50	3.33
	14.50	0.00
	15.50	0.00
	16.50	0.00
	17.50	0.00
	18.50	3.33
	19.50	0.00
	20.50	0.00
>	21.00	3.33



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

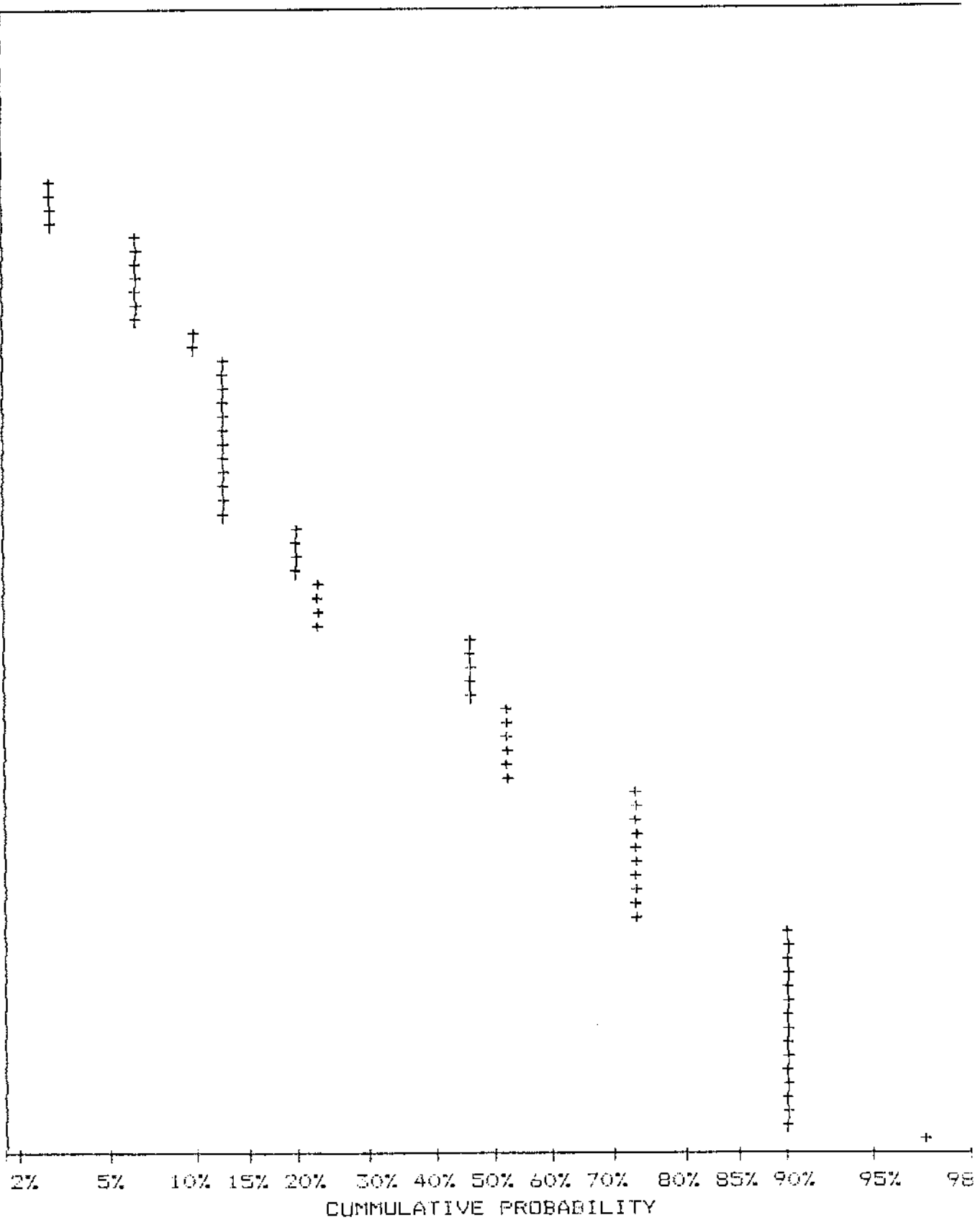
TELEX: USA.760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON BI

COMPANY: G.D.DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
25.84	0.00
23.67	0.00
21.67	0.00
19.85	3.33
18.18	3.33
16.65	6.67
15.25	6.67
13.97	6.67
12.79	10.00
11.72	13.33
10.73	13.33
9.83	13.33
9.00	13.33
8.24	13.33
7.55	13.33
6.91	20.00
6.33	20.00
5.80	23.33
5.31	23.33
4.86	46.67
4.46	46.67
4.08	46.67
3.74	53.33
3.42	53.33
3.13	53.33
2.87	73.33
2.63	73.33
2.41	73.33
2.21	73.33
2.02	73.33
1.85	90.00
1.69	90.00
1.55	90.00
1.42	90.00
1.30	90.00
1.19	90.00
1.09	90.00
1.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON CA

COMPANY: G.D.DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

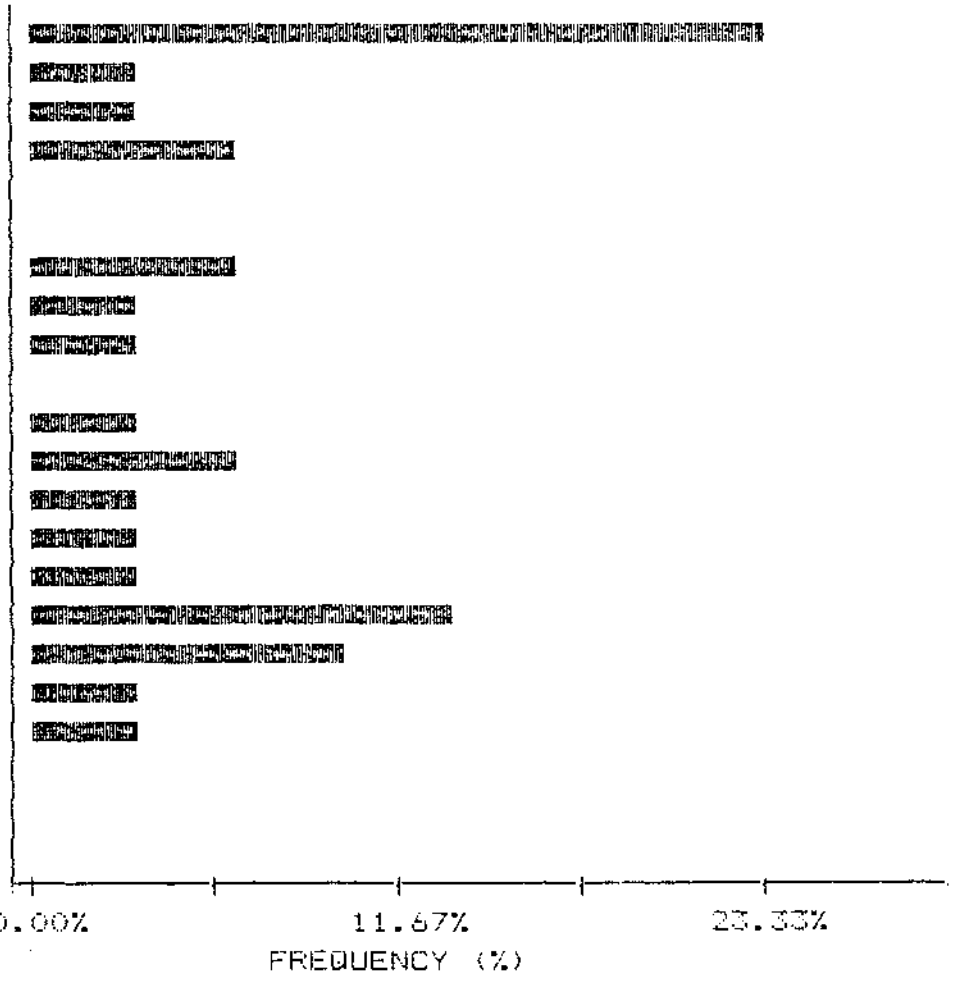
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	167800.0 PPM
MINIMUM VALUE:	41270.0 PPM
MEAN:	110363.7 PPM
STD. DEVIATION:	36858.2 PPM
COEFF. OF VARIATION:	0.3

5 HIGHEST CA VALUES:

IH174	167800.0 PPM
IH173	154870.0 PPM
IH150	149430.0 PPM
IH152	148840.0 PPM
IH162	148350.0 PPM

HISTOGRAM FOR CA CLASS INTERVAL = 4674.00

MID CLASS PPM	CLASS %
< 74320.00	23.33
76657.00	3.33
81331.00	3.33
86005.00	6.67
90679.00	0.00
95353.00	0.00
100027.00	6.67
104701.00	3.33
109375.00	3.33
114049.00	0.00
118723.00	3.33
123397.00	6.67
128071.00	3.33
132745.00	3.33
137419.00	3.33
142093.00	13.33
146767.00	10.00
151441.00	3.33
156115.00	3.33
160789.00	0.00
165463.00	0.00
>167800.00	0.00



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

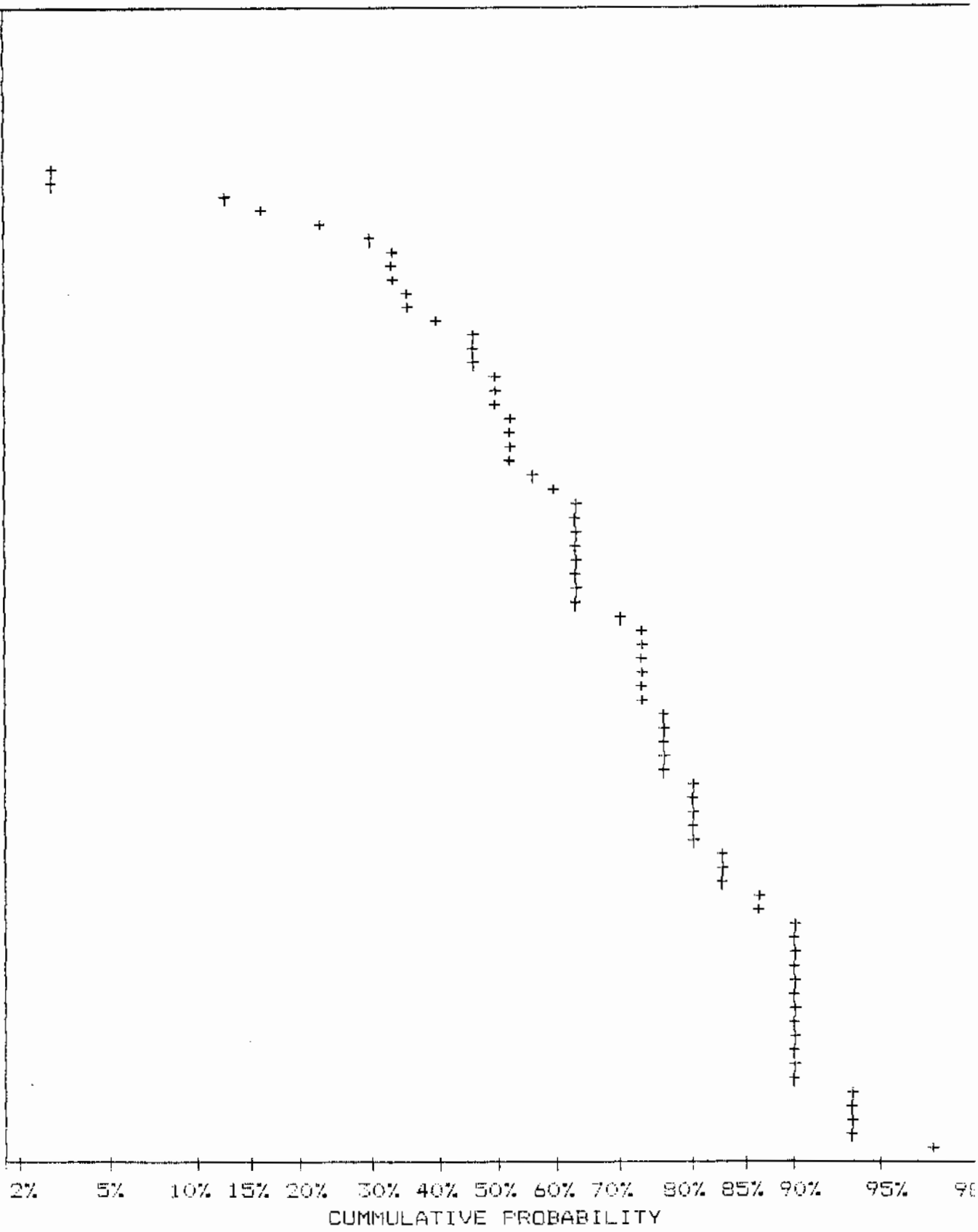
TELEX: USA.760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON CA

COMPANY: G.D.DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
164691.00	0.00
158644.73	0.00
152820.44	3.33
147209.98	13.33
141805.49	23.33
136599.42	33.33
131584.48	33.33
126753.65	36.67
122100.17	46.67
117617.53	46.67
113299.47	50.00
109139.93	53.33
105133.10	53.33
273.37	56.67
+7555.34	63.33
93973.82	63.33
90523.78	63.33
87200.40	63.33
83999.03	70.00
80915.19	73.33
77944.57	73.33
75083.01	73.33
72326.50	76.67
69671.20	76.67
67113.37	80.00
64649.45	80.00
62275.99	80.00
59989.67	83.33
57787.28	86.67
55665.75	90.00
53622.11	90.00
51653.49	90.00
49757.15	90.00
47930.42	90.00
5170.76	90.00
+4475.71	93.33
42842.88	93.33
41270.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 769167 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON CD

COMPANY:G.D.DIAMOND DRILLING LTD.
ATTN:J.P.LOISELLE
PROJECT:QUINSAM I
FILE#:8-1900

DATE:NOVEMBER 9 1988
SAMPLE TYPE:ROCK
ANALYSIS TYPE:GEOCHEM

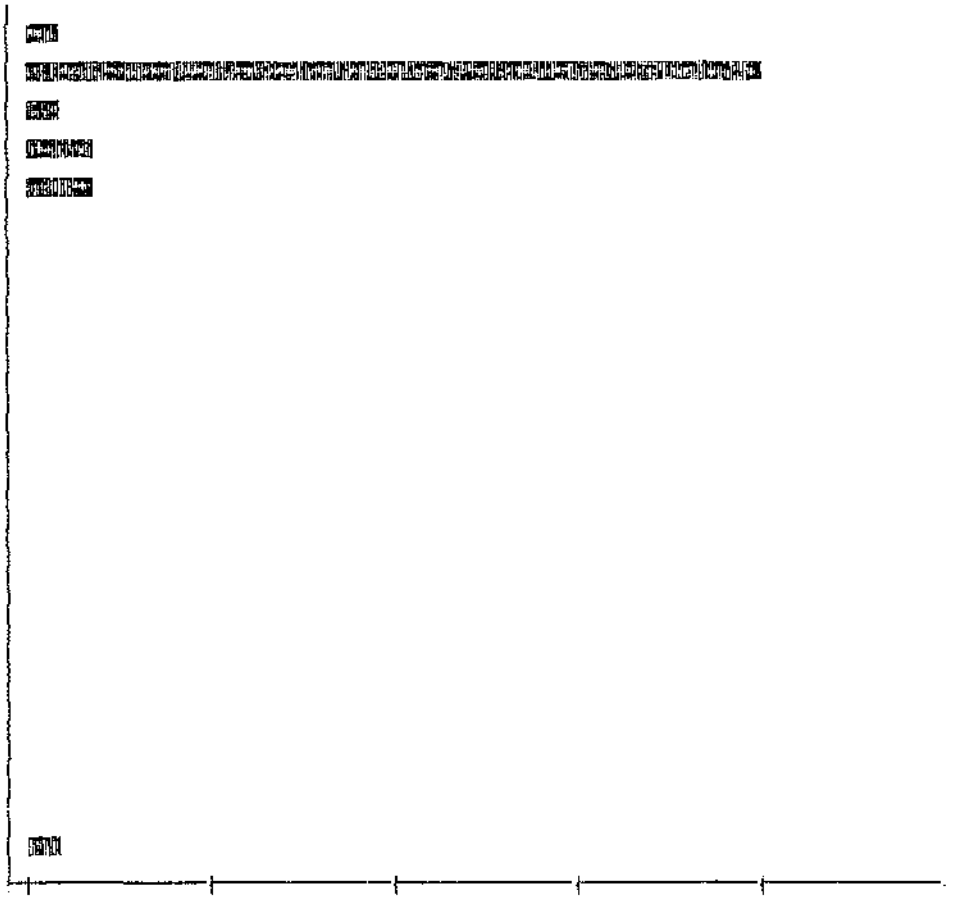
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	79.7 PPM
MINIMUM VALUE:	0.1 PPM
MEAN:	6.8 PPM
STD. DEVIATION:	17.0 PPM
COEFF. OF VARIATION:	2.5

5 HIGHEST CD VALUES:

IH151	54.7 PPM
IH157	9.9 PPM
IH168	9.2 PPM
IH149	7.2 PPM
IH172	7.1 PPM

HISTOGRAM FOR CD CLASS INTERVAL = 2.73

MID CLASS PPM	CLASS %
< 0.10	3.33
1.46	76.67
4.19	3.33
6.92	6.67
9.65	6.67
12.38	0.00
15.11	0.00
17.84	0.00
20.57	0.00
23.30	0.00
26.03	0.00
28.76	0.00
31.49	0.00
34.22	0.00
36.95	0.00
39.68	0.00
42.41	0.00
45.14	0.00
47.87	0.00
50.60	0.00
53.33	0.00
> 54.70	3.33



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

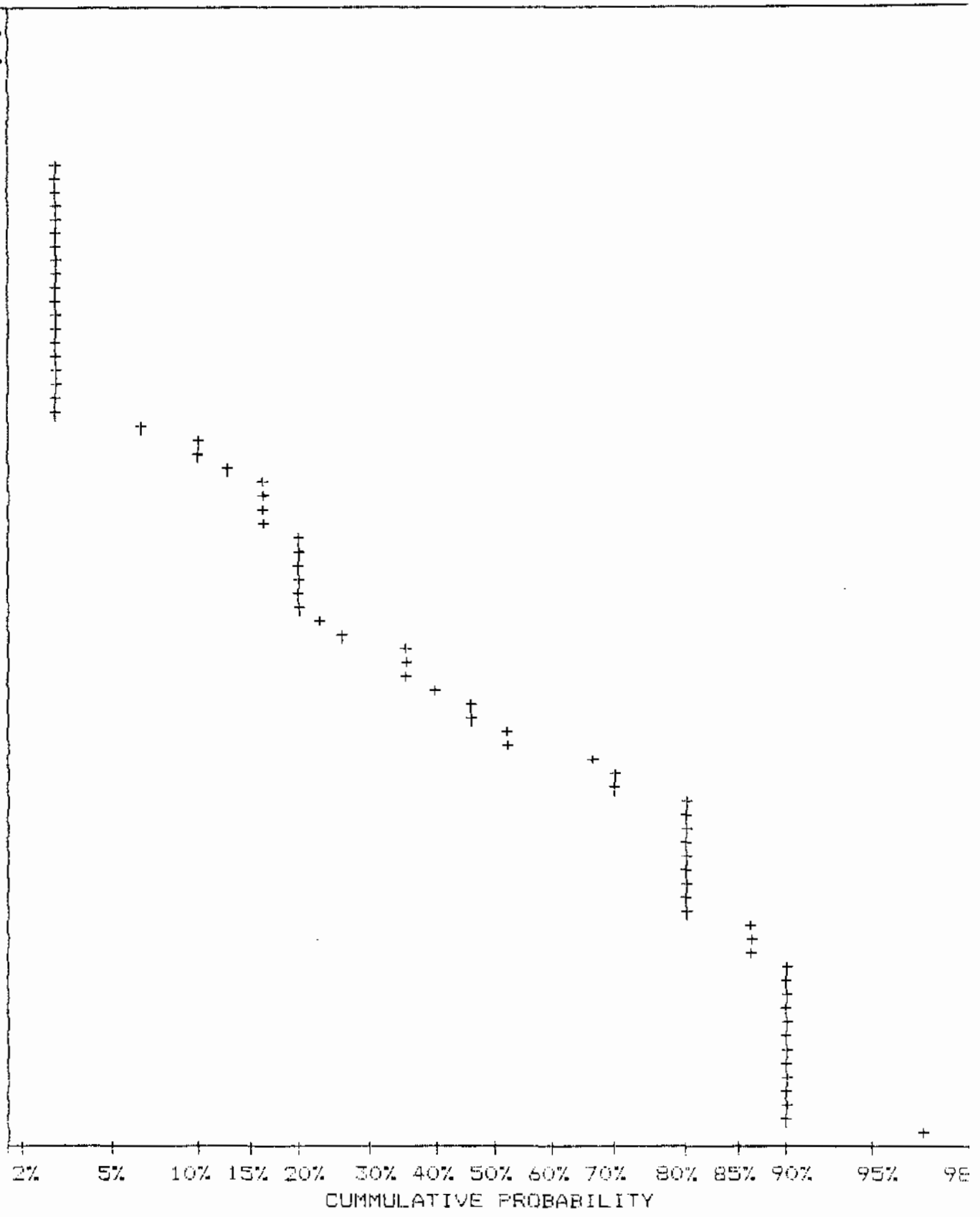
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON CD

COMPANY: G.D.DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
72.91	0.00
61.01	0.00
51.05	3.33
42.72	3.33
35.75	3.33
29.92	3.33
25.03	3.33
20.95	3.33
17.53	3.33
14.67	3.33
12.28	3.33
10.27	3.33
8.60	10.00
7.19	13.33
6.02	16.67
5.04	16.67
4.22	20.00
3.53	20.00
2.95	20.00
2.47	26.67
2.07	36.67
1.73	40.00
1.45	46.67
1.21	53.33
1.01	70.00
0.85	80.00
0.71	80.00
0.59	80.00
0.50	80.00
0.42	80.00
0.35	86.67
0.29	90.00
0.24	90.00
0.20	90.00
0.17	90.00
0.14	90.00
0.12	90.00
0.10	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON CO

COMPANY:G.D.DIAMOND DRILLING LTD.
ATTN:J.P.LOISELLE
PROJECT:QUINSAM I
FILE#:8-1900

DATE:NOVEMBER 9 1988
SAMPLE TYPE:ROCK
ANALYSIS TYPE:GEOCHEM

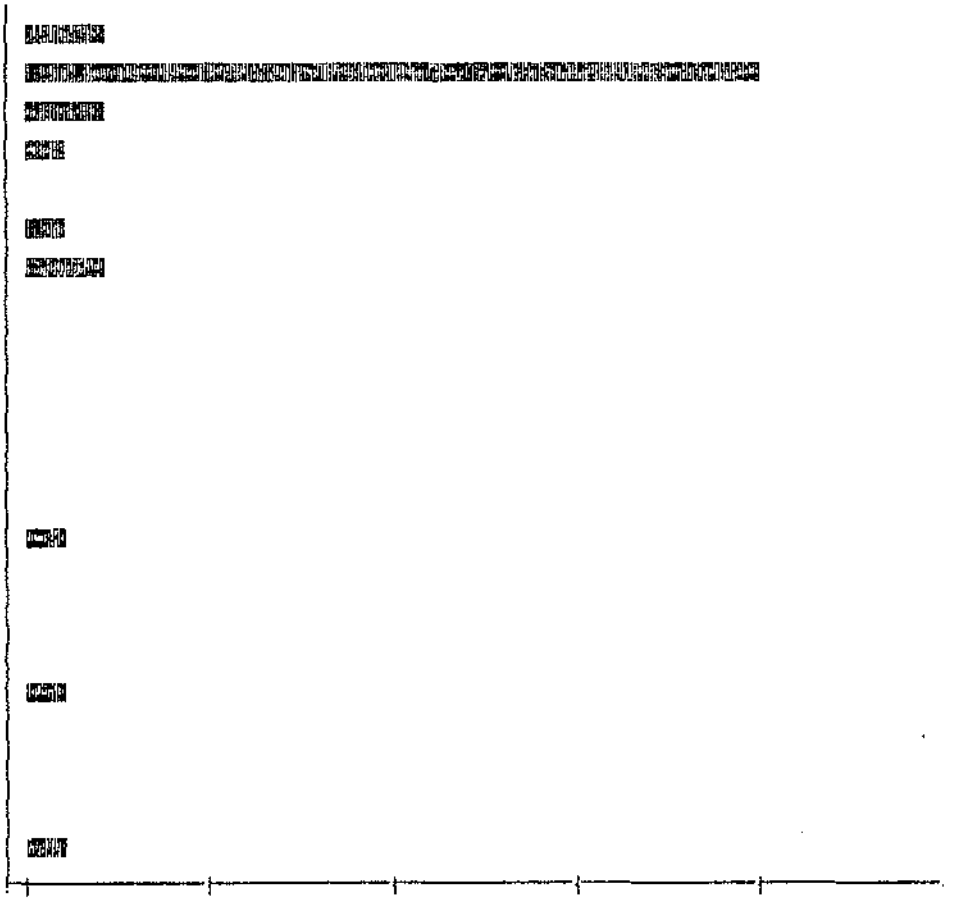
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	1007.0 PPM
MINIMUM VALUE:	2.0 PPM
MEAN:	138.2 PPM
STD. DEVIATION:	254.8 PPM
COEFF. OF VARIATION:	1.8

5 HIGHEST CO VALUES:

IH149	1007.0 PPM
IH172	639.0 PPM
IH155	496.0 PPM
IH168	234.0 PPM
IH157	204.0 PPM

HISTOGRAM FOR CO CLASS INTERVAL = 39.40

MID CLASS PPM	CLASS %
< 4.00	6.67
23.70	63.33
63.10	6.67
102.50	3.33
141.90	0.00
181.30	3.33
220.70	6.67
260.10	0.00
299.50	0.00
338.90	0.00
378.30	0.00
417.70	0.00
457.10	0.00
496.50	3.33
535.90	0.00
575.30	0.00
614.70	0.00
654.10	3.33
693.50	0.00
732.90	0.00
772.30	0.00
> 792.00	3.33



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

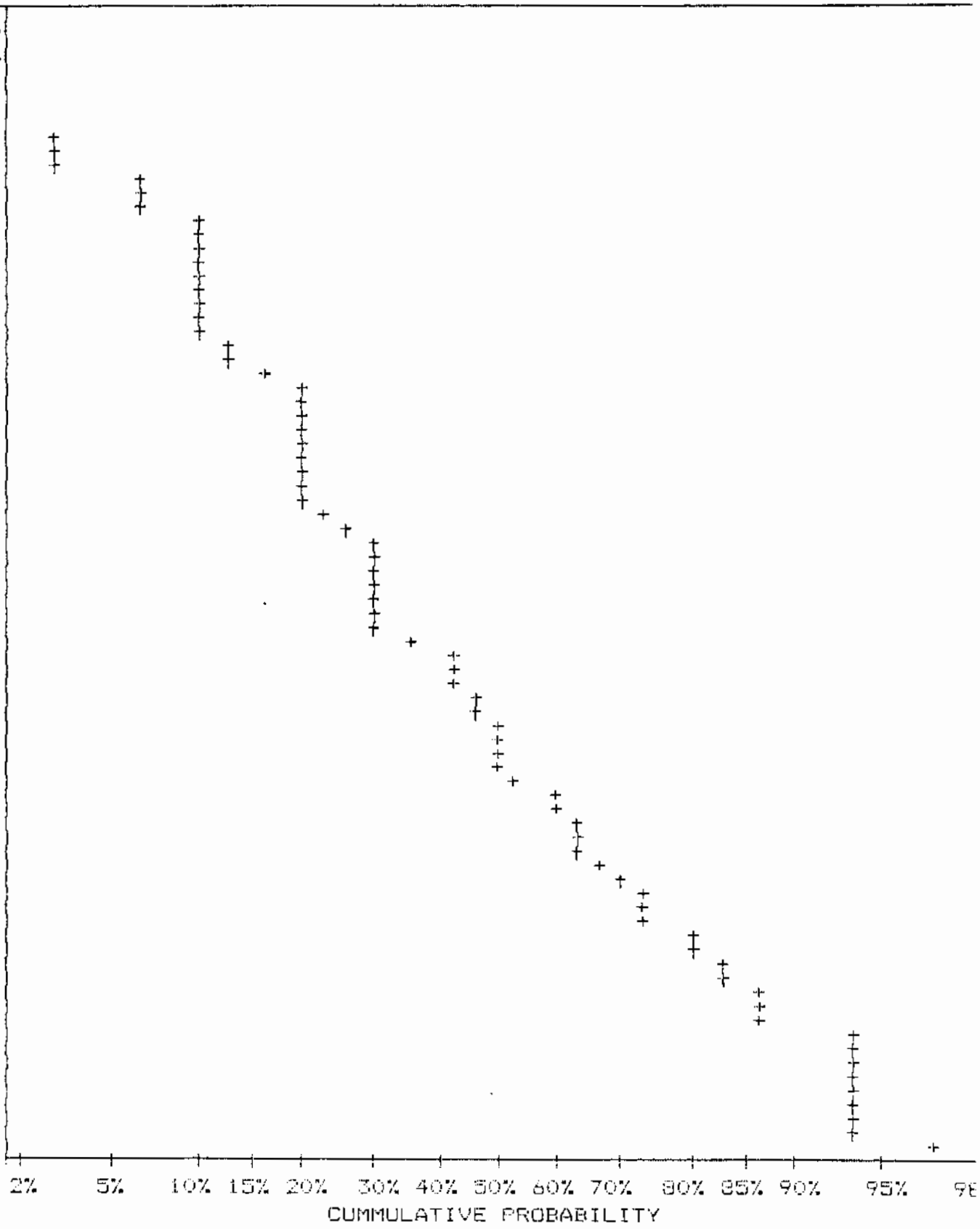
TELEX: USA.760167 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON CO

JMPANY:G.D.DIAMOND DRILLING LTD.
ATTN:J.P.LOISELLE
PROJECT:QUINSAM I
FILE#:8-1900

DATE:NOVEMBER 9 1988
SAMPLE TYPE:ROCK
ANALYSIS TYPE:GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
926.84	0.00
785.14	3.33
665.11	3.33
563.43	6.67
477.30	10.00
404.33	10.00
342.52	10.00
290.15	10.00
245.80	10.00
208.22	13.33
176.39	20.00
149.42	20.00
126.58	20.00
107.23	20.00
90.84	20.00
76.95	26.67
65.19	30.00
55.22	30.00
46.78	30.00
39.63	36.67
33.57	43.33
28.44	46.67
24.09	50.00
20.41	50.00
17.29	53.33
14.64	60.00
12.41	63.33
10.51	66.67
8.90	73.33
7.54	73.33
6.39	80.00
5.41	83.33
4.58	86.67
3.88	93.33
3.29	93.33
2.79	93.33
2.36	93.33
2.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON CR

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

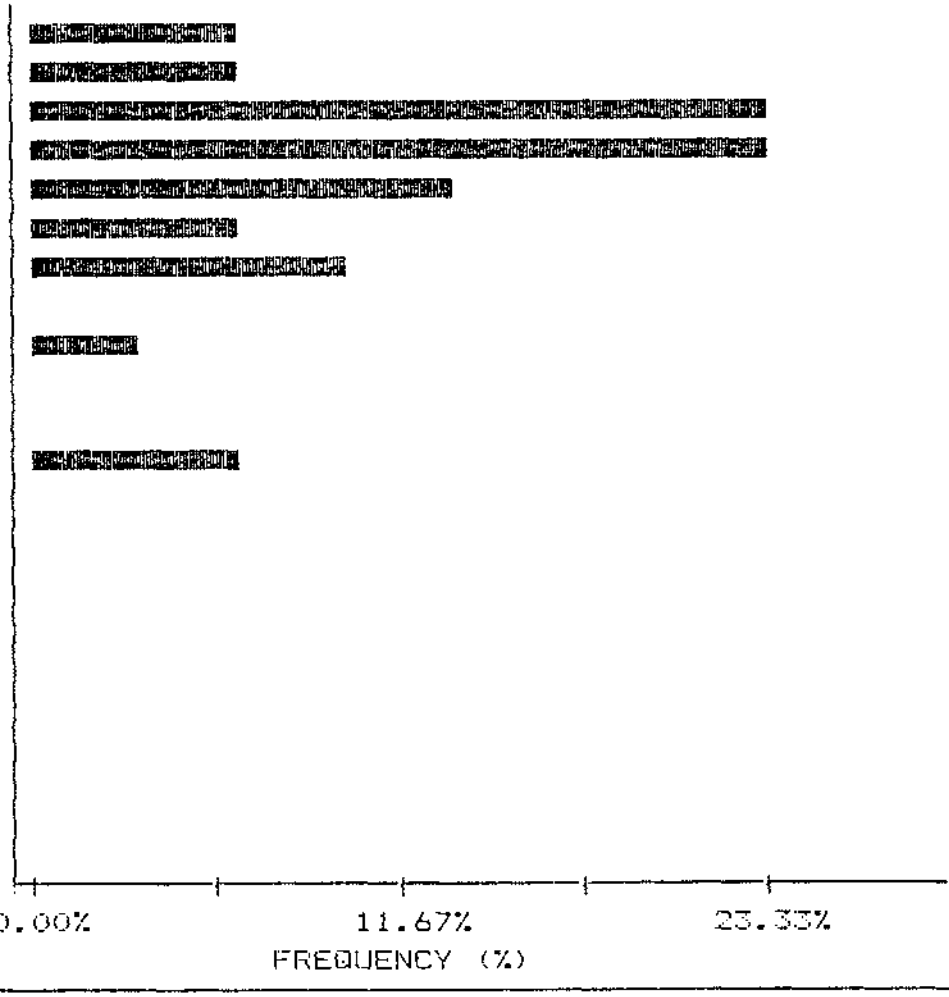
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	279.0 PPM
MINIMUM VALUE:	47.0 PPM
MEAN:	98.9 PPM
STD. DEVIATION:	45.4 PPM
COEFF. OF VARIATION:	0.5

5 HIGHEST CR VALUES:

IH176	279.0 PPM
IH168	178.0 PPM
IH149	172.0 PPM
IH155	143.0 PPM
IH159	120.0 PPM

HISTOGRAM FOR CR CLASS INTERVAL = 11.20

MID CLASS PPM	CLASS %
< 55.00	6.67
60.60	6.67
71.80	23.33
83.00	23.33
94.20	13.33
105.40	6.67
116.60	10.00
127.80	0.00
139.00	3.33
150.20	0.00
161.40	0.00
172.60	6.67
183.80	0.00
195.00	0.00
206.20	0.00
217.40	0.00
228.60	0.00
239.80	0.00
251.00	0.00
262.20	0.00
273.40	0.00
> 279.00	0.00



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

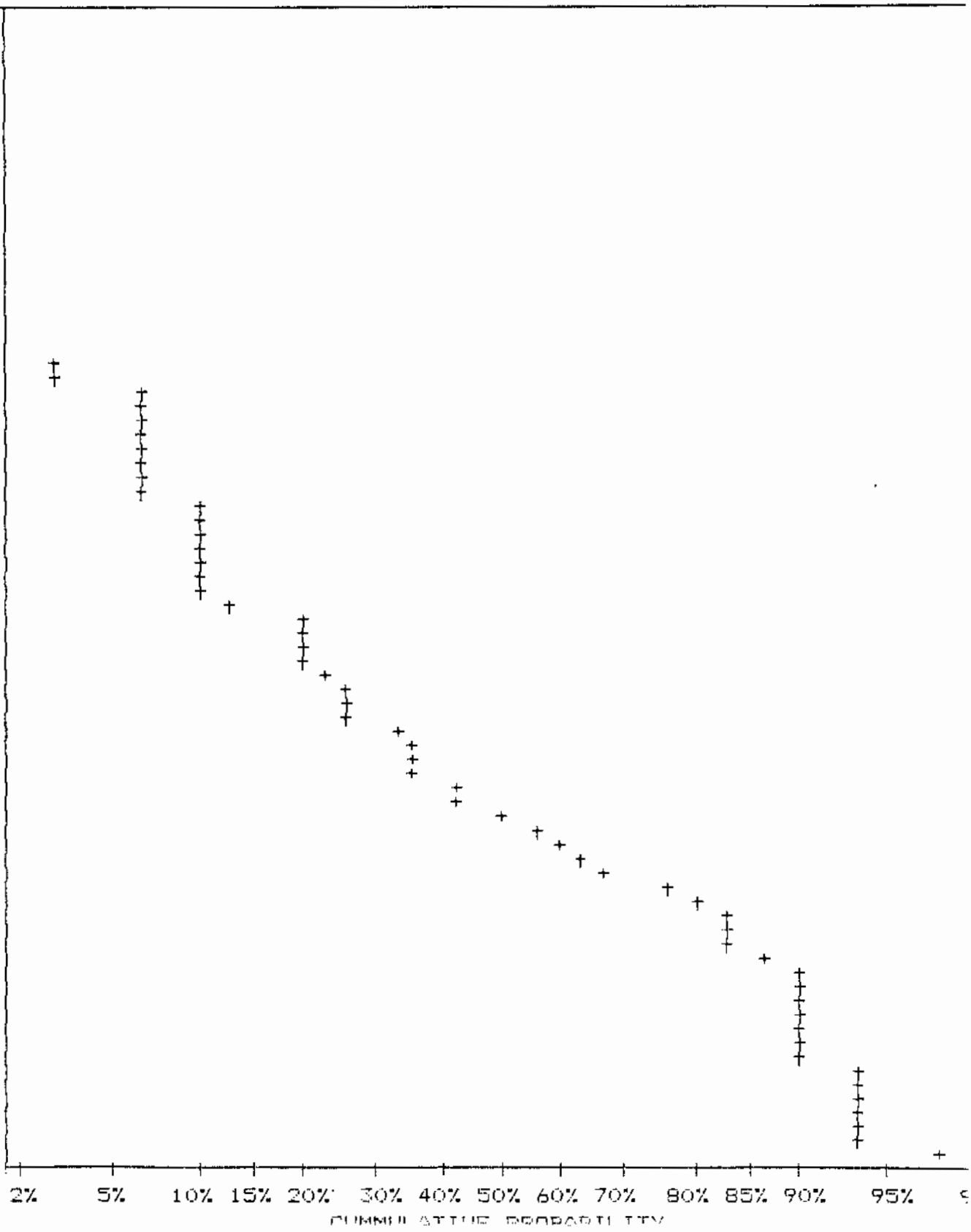
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON CR

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
272.45	0.00
259.81	0.00
247.76	0.00
236.27	0.00
225.31	0.00
214.86	0.00
204.89	0.00
195.39	0.00
186.33	0.00
177.68	3.33
169.44	6.67
161.58	6.67
154.09	6.67
146.94	6.67
140.12	10.00
133.63	10.00
127.43	10.00
121.52	10.00
115.88	20.00
110.50	20.00
105.38	23.33
100.49	26.67
95.83	33.33
91.38	36.67
87.15	43.33
83.10	50.00
79.25	60.00
75.57	66.67
72.07	80.00
68.72	83.33
65.54	86.67
62.50	90.00
59.60	90.00
56.83	90.00
54.20	93.33
51.68	93.33
49.29	93.33
47.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON CU

JMPANY: G.D.DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

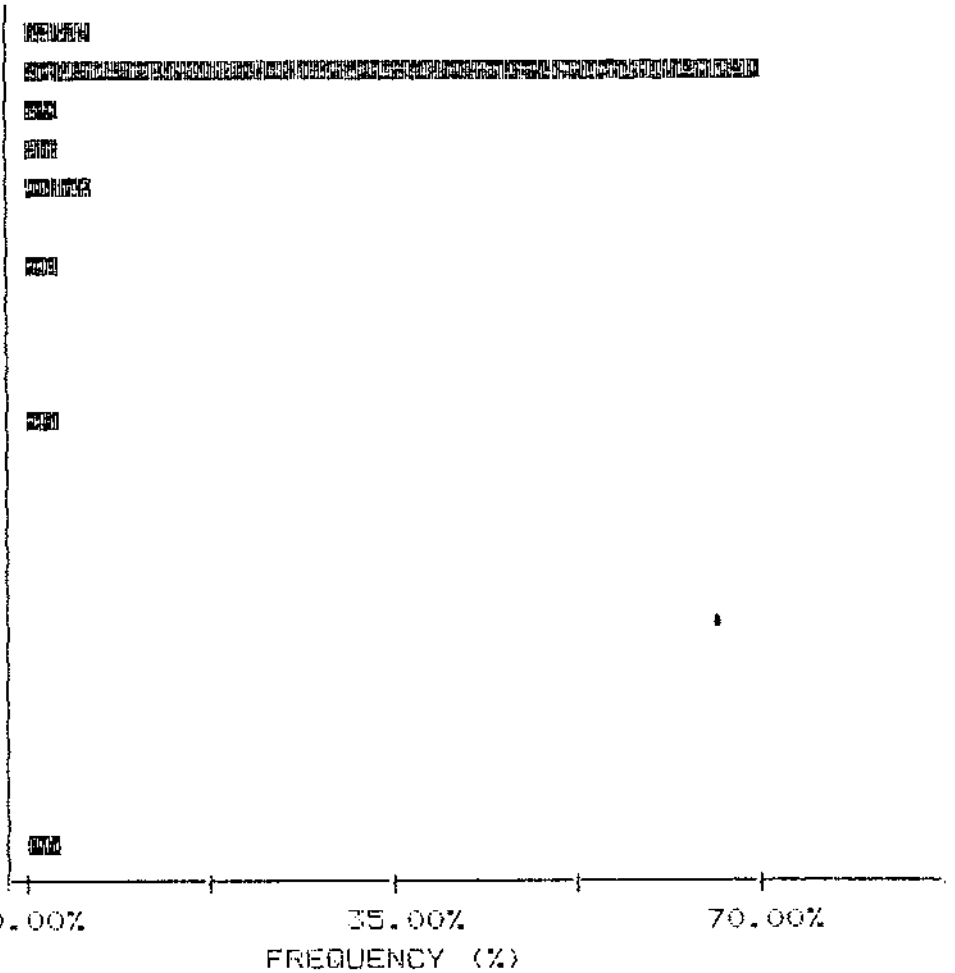
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	55391.0 PPM
MINIMUM VALUE:	11.0 PPM
MEAN:	5545.4 PPM
STD. DEVIATION:	13121.4 PPM
COEFF. OF VARIATION:	2.4

5 HIGHEST CU VALUES:

IH168	55391.0 PPM
IH157	45597.0 PPM
IH172	20900.0 PPM
IH166	13150.0 PPM
IH156	7490.0 PPM

HISTOGRAM FOR CU CLASS INTERVAL = 2279.25

MID CLASS PPM	CLASS %
< 12.00	6.67
1151.62	70.00
3430.87	3.33
5710.12	3.33
7989.37	6.67
10268.62	0.00
12547.87	3.33
14827.12	0.00
17106.37	0.00
19385.62	0.00
21664.87	3.33
23944.12	0.00
26223.37	0.00
28502.62	0.00
30781.87	0.00
33061.12	0.00
35340.37	0.00
37619.62	0.00
39898.87	0.00
42178.12	0.00
44457.37	0.00
> 45597.00	3.33



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

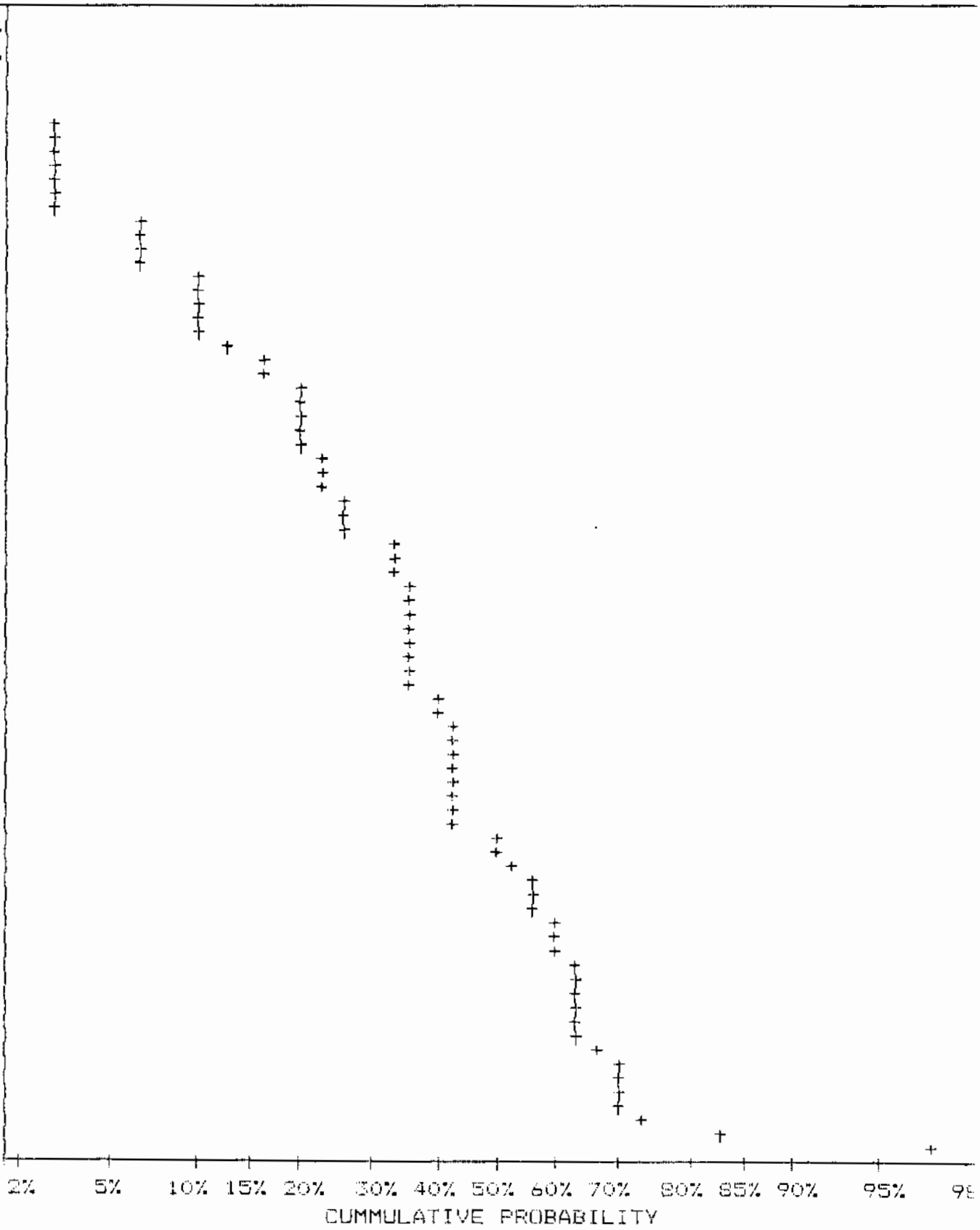
TELEX: USA.760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON CU

COMPANY: G.D.DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
49440.01	0.00
39387.40	3.33
31378.78	3.33
24998.55	3.33
19915.61	6.67
15866.18	6.67
12640.12	10.00
10070.01	10.00
8022.48	10.00
6391.27	16.67
5091.74	20.00
4056.44	20.00
3231.65	20.00
74.56	23.33
2051.07	26.67
1634.03	26.67
1301.78	33.33
1037.09	36.67
826.22	36.67
658.23	36.67
524.39	36.67
417.77	40.00
332.82	43.33
265.15	43.33
211.24	43.33
168.29	43.33
134.07	50.00
106.81	53.33
85.09	56.67
67.79	60.00
54.01	60.00
43.02	63.33
34.28	63.33
27.31	63.33
21.75	70.00
17.33	70.00
13.81	73.33
11.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON FE

COMPANY:G.D.DIAMOND DRILLING LTD.
ATTN:J.P.LOISELLE
PROJECT:QUINSAM I
FILE#:8-1900

DATE:NOVEMBER 9 1988
SAMPLE TYPE:ROCK
ANALYSIS TYPE:GEOCHEM

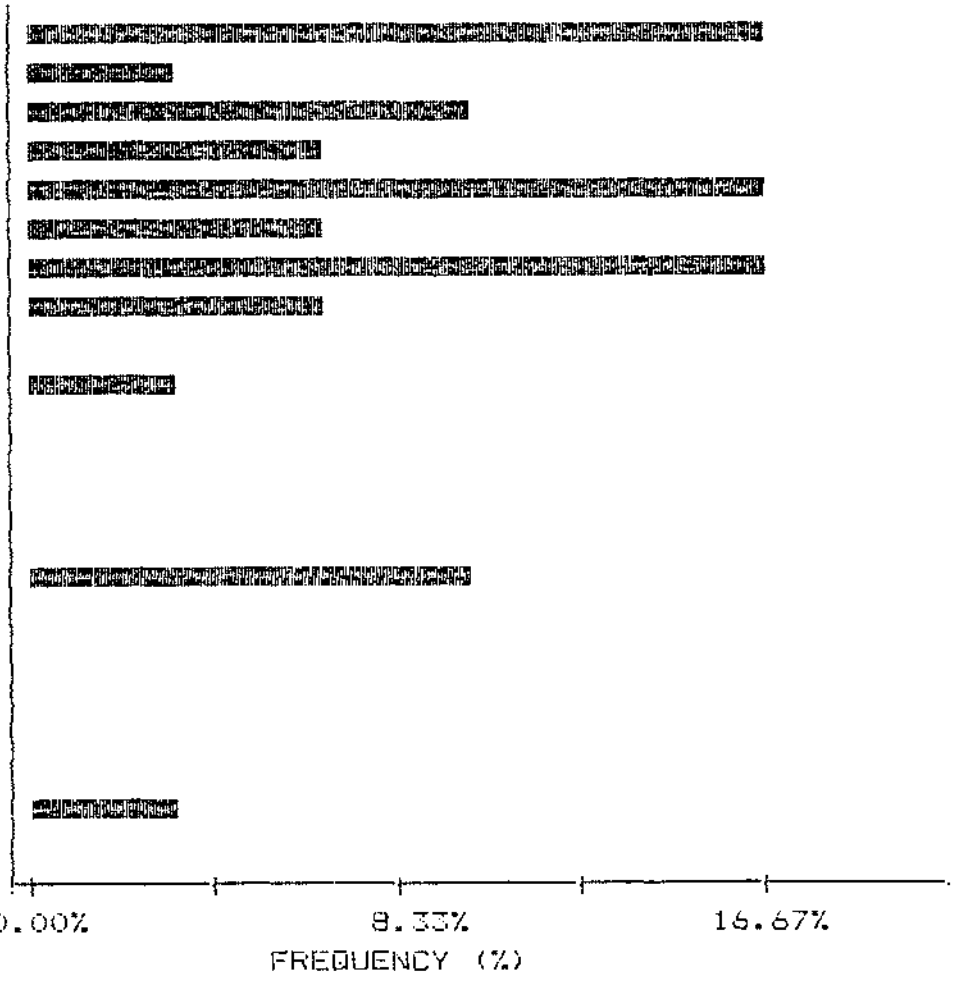
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	366440.0 PPM
MINIMUM VALUE:	27200.0 PPM
MEAN:	160663.3 PPM
STD. DEVIATION:	82769.7 PPM
COEFF. OF VARIATION:	0.5

5 HIGHEST FE VALUES:

IH172	366440.0 PPM
IH151	353750.0 PPM
IH166	282610.0 PPM
IH156	276350.0 PPM
IH155	275680.0 PPM

HISTOGRAM FOR FE CLASS INTERVAL = 13745.50

MID CLASS PPM	CLASS %
< 91530.00	16.67
98402.75	3.33
112148.25	10.00
125893.75	6.67
139639.25	16.67
153384.75	6.67
167130.25	16.67
180875.75	6.67
194621.25	0.00
208366.75	3.33
222112.25	0.00
235857.75	0.00
249603.25	0.00
263348.75	0.00
277094.25	10.00
290839.75	0.00
304585.25	0.00
318330.75	0.00
332076.25	0.00
345821.75	0.00
359567.25	3.33
>366440.00	0.00



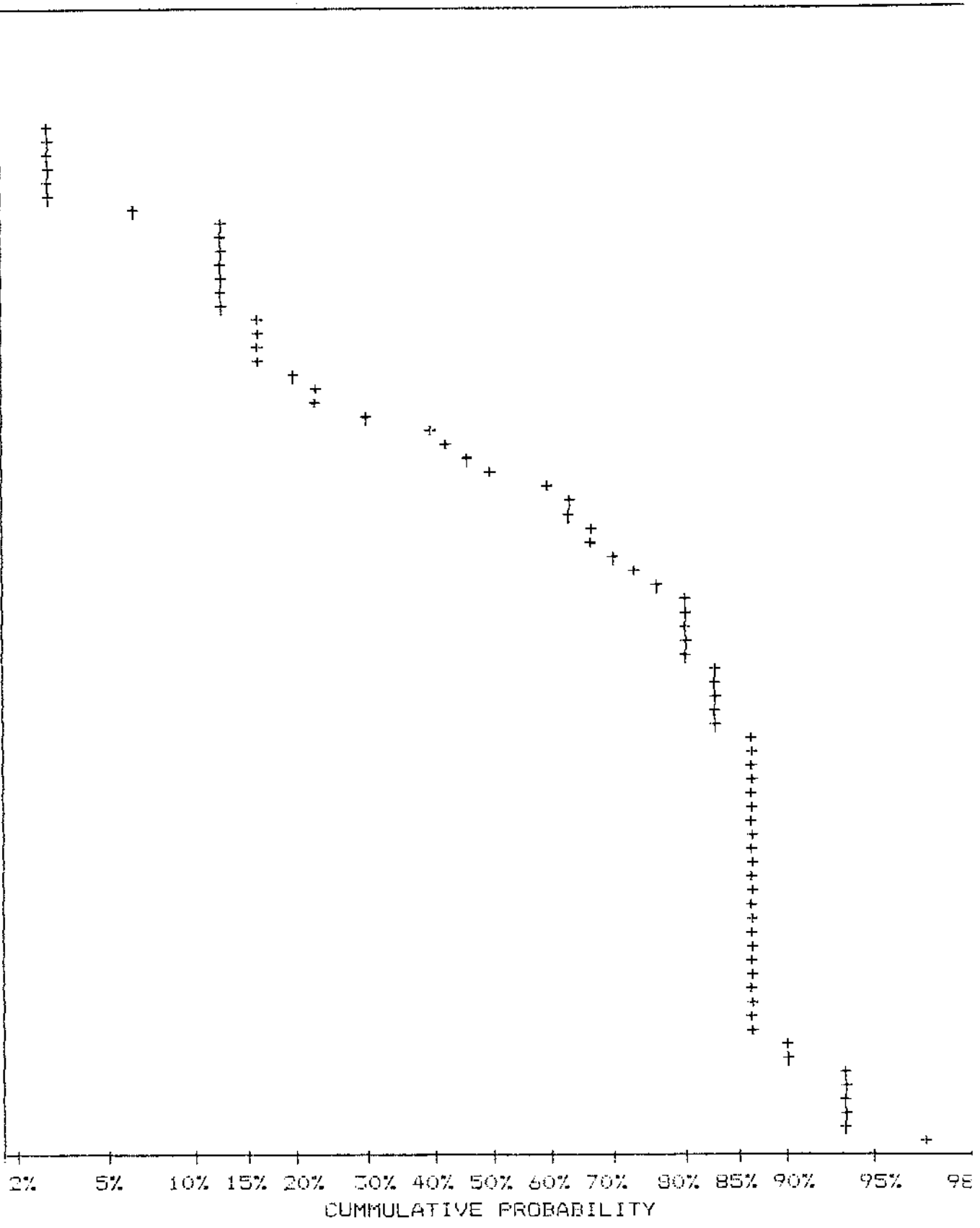
MIN-EN LABORATORIES LTD.
SPECIALISTS IN MINERAL ENVIRONMENTS
705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON FE

COMPANY: G.D.DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
353951.50	0.00
330236.84	3.33
308111.05	3.33
287467.69	3.33
268207.43	13.33
250237.60	13.33
233471.74	13.33
217829.19	13.33
203234.69	16.67
189618.02	16.67
176913.66	23.33
165060.49	30.00
154001.48	43.33
583.42	50.00
134056.66	63.33
125074.90	66.67
116694.91	70.00
108876.38	76.67
101581.69	80.00
94775.75	80.00
89425.79	83.33
82501.29	83.33
76973.72	83.33
71816.50	86.67
67004.82	86.67
62515.51	86.67
58326.99	86.67
54419.09	86.67
50773.03	86.67
47371.25	86.67
44197.39	86.67
41236.17	86.67
38473.36	86.67
35895.65	86.67
7490.65	90.00
31246.79	93.33
29153.26	93.33
27200.00	96.67



MIN-EN LABORATORIES LTD.
SPECIALISTS IN MINERAL ENVIRONMENTS
705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON MG

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P. LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

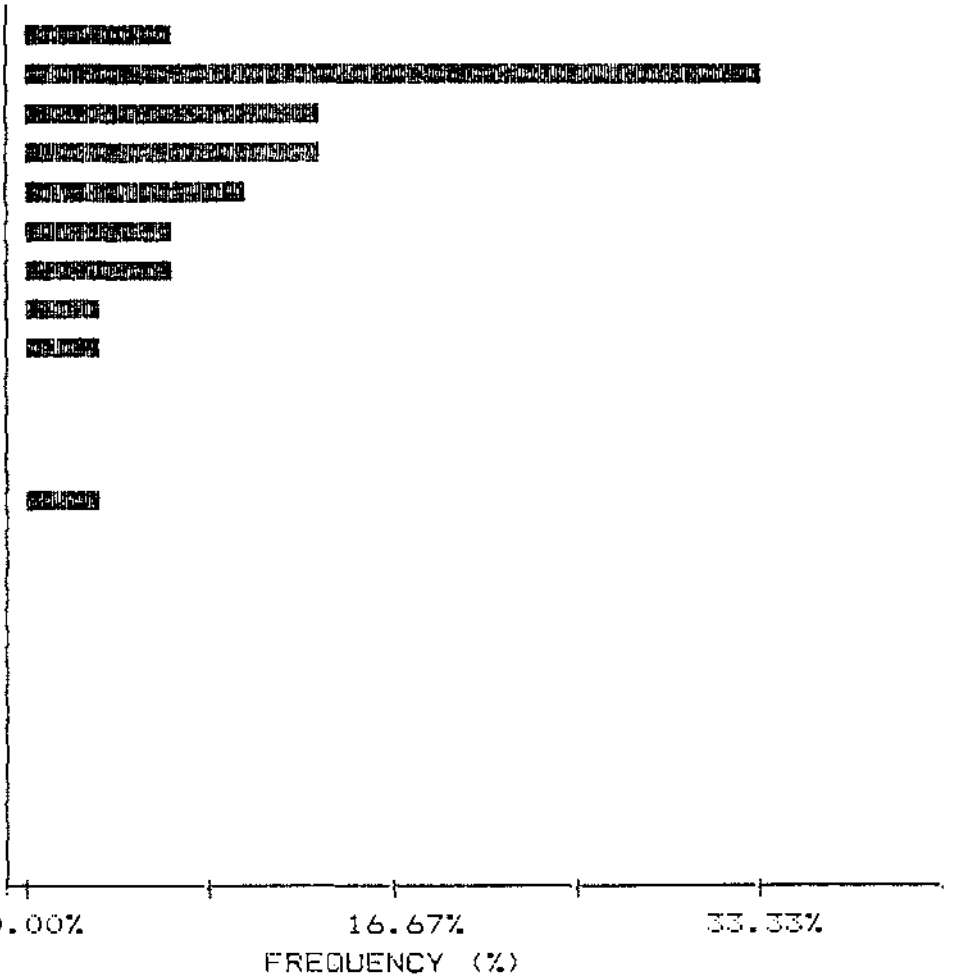
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	10620.0 PPM
MINIMUM VALUE:	800.0 PPM
MEAN:	2458.0 PPM
STD. DEVIATION:	2020.8 PPM
COEFF. OF VARIATION:	0.8

5 HIGHEST MG VALUES:

IH158	10620.0 PPM
IH164	6660.0 PPM
IH155	4710.0 PPM
IH166	4100.0 PPM
IH167	3460.0 PPM

HISTOGRAM FOR MG CLASS INTERVAL = 486.50

MID CLASS PPM	CLASS %
< 890.00	6.67
1133.25	33.33
1619.75	13.33
2106.25	13.33
2592.75	10.00
3079.25	6.67
3565.75	6.67
4052.25	3.33
4538.75	3.33
5025.25	0.00
5511.75	0.00
5998.25	0.00
6484.75	3.33
6971.25	0.00
7457.75	0.00
7944.25	0.00
8430.75	0.00
8917.25	0.00
9403.75	0.00
9890.25	0.00
10376.75	0.00
> 10620.00	0.00



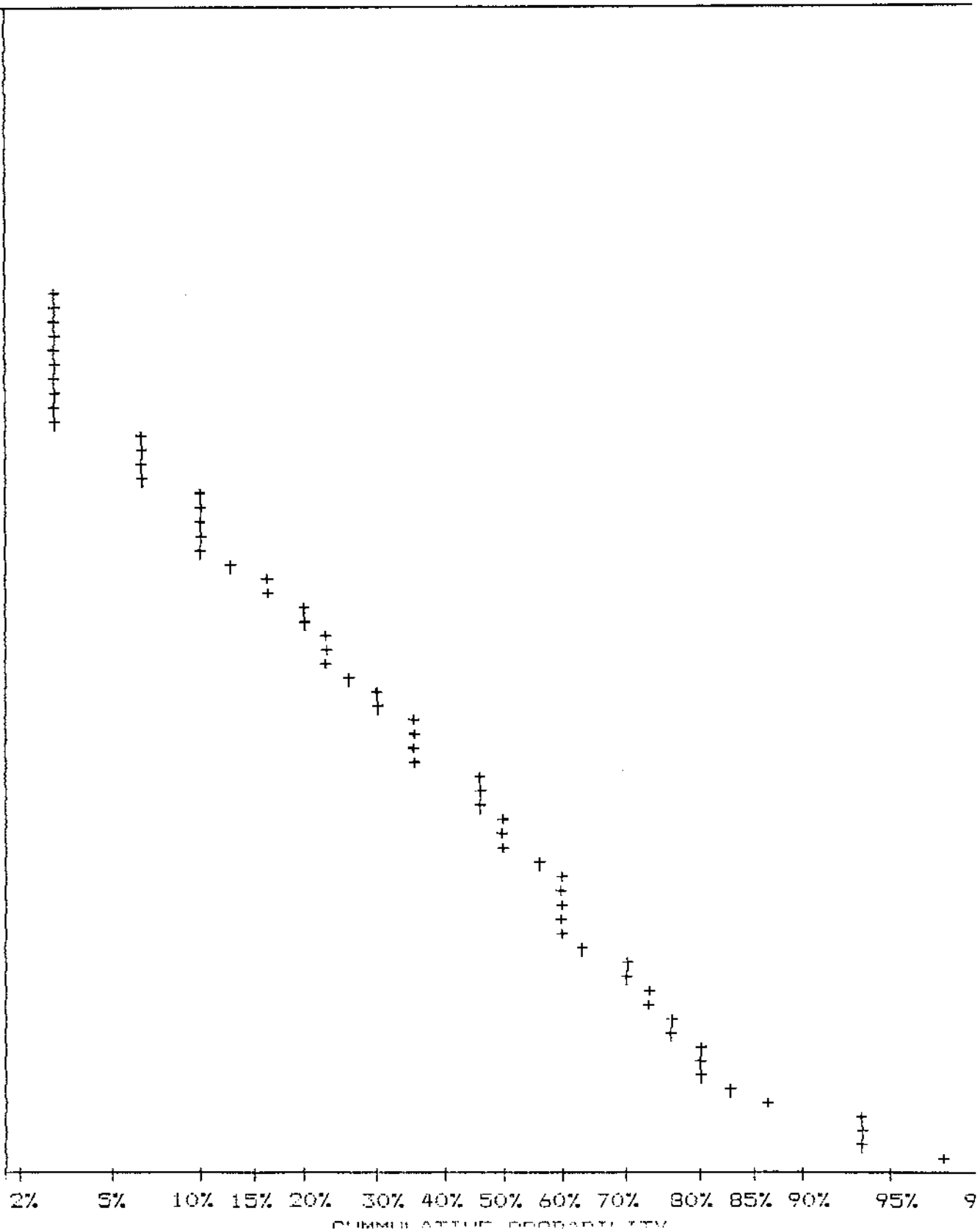
MIN-EN LABORATORIES LTD.
SPECIALISTS IN MINERAL ENVIRONMENTS
705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEX: USA 760167 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON MG

COMPANY:G.D. DIAMOND DRILLING LTD.
ATTN:J.P.LOISELLE
PROJECT:QUINSAM I
FILE#:8-1900

DATE:NOVEMBER 9 1988
SAMPLE TYPE:ROCK
ANALYSIS TYPE:GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
10260.08	0.00
9576.42	0.00
8938.31	0.00
8342.73	0.00
7786.82	0.00
7267.96	0.00
6783.68	0.00
6331.66	3.33
5909.76	3.33
5515.98	3.33
5148.43	3.33
4805.37	3.33
4485.18	6.67
4186.32	6.67
3907.37	10.00
3647.01	10.00
3404.00	13.33
3177.18	16.67
2965.47	20.00
2767.88	23.33
2583.44	26.67
2411.30	30.00
2250.63	36.67
2100.66	36.67
1960.69	46.67
1830.04	50.00
1708.10	50.00
1594.28	60.00
1488.05	60.00
1388.90	60.00
1296.35	70.00
1209.97	73.33
1129.35	76.67
1054.10	80.00
983.86	80.00
918.30	86.67
857.11	93.33
800.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON MN

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

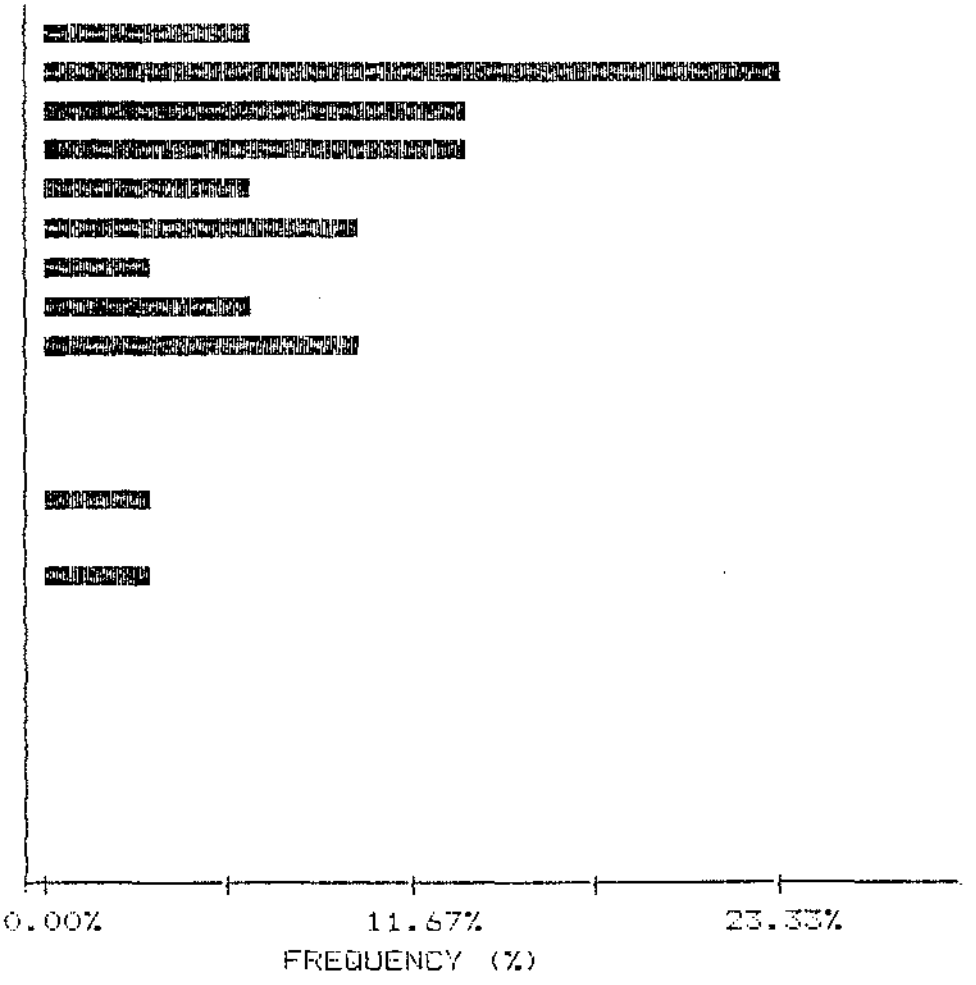
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	9062.0 PPM
MINIMUM VALUE:	1272.0 PPM
MEAN:	3316.4 PPM
STD. DEVIATION:	1665.3 PPM
COEFF. OF VARIATION:	0.5

5 HIGHEST MN VALUES:

IH154	9062.0 PPM
IH152	6601.0 PPM
IH150	6130.0 PPM
IH169	4622.0 PPM
IH149	4539.0 PPM

HISTOGRAM FOR MN CLASS INTERVAL = 360.95

MID CLASS PPM	CLASS %
< 1843.00	6.67
2023.47	23.33
2384.42	13.33
2745.37	13.33
3106.32	6.67
3467.27	10.00
3828.22	3.33
4189.17	6.67
4550.12	10.00
4911.07	0.00
5272.02	0.00
5632.97	0.00
5993.92	3.33
6354.87	0.00
6715.82	3.33
7076.77	0.00
7437.72	0.00
7798.67	0.00
8159.62	0.00
8520.57	0.00
8881.52	0.00
> 9062.00	0.00



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON MN

COMPANY:G.D. DIAMOND DRILLING LTD.

ATTN:J.P.LOISELLE

PROJECT:QUINSAM I

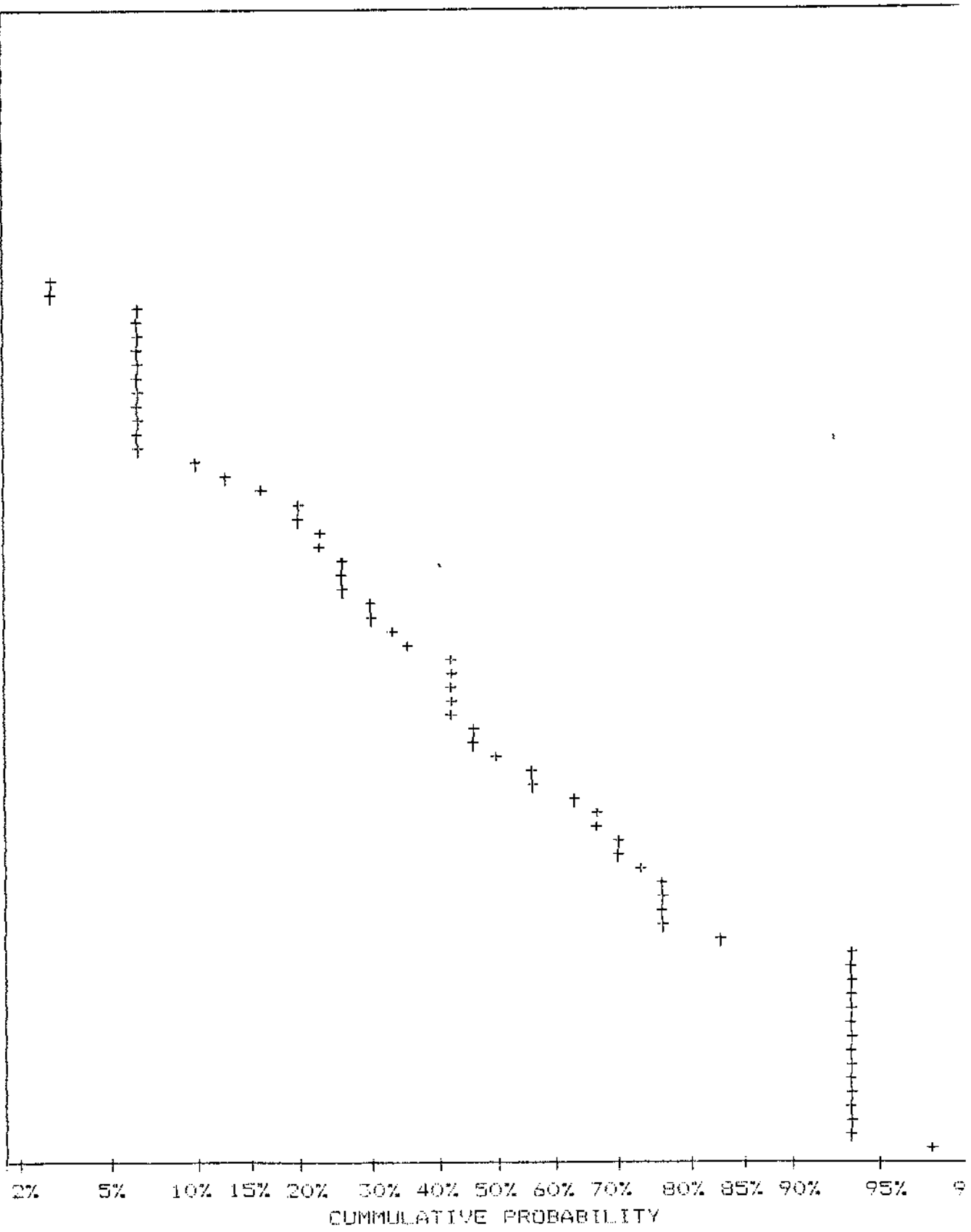
FILE#:8-1900

DATE:NOVEMBER 9 1988

SAMPLE TYPE:ROCK

ANALYSIS TYPE:GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
8827.84	0.00
8377.50	0.00
7950.14	0.00
7544.58	0.00
7159.71	0.00
6794.48	0.00
6447.87	3.33
6118.95	6.67
5806.80	6.67
5510.58	6.67
5229.47	6.67
4962.70	6.67
4709.54	6.67
4469.29	13.33
4241.30	20.00
4024.94	23.33
3819.62	26.67
3624.77	26.67
3439.86	30.00
3264.38	36.67
3097.86	43.33
2939.83	43.33
2789.86	46.67
2647.54	50.00
2512.48	56.67
2384.31	66.67
2262.68	70.00
2147.26	73.33
2037.72	76.67
1933.77	76.67
1835.12	93.33
1741.51	93.33
1652.67	93.33
1568.36	93.33
1488.35	93.33
1412.43	93.33
1340.38	93.33
1272.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON MO

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

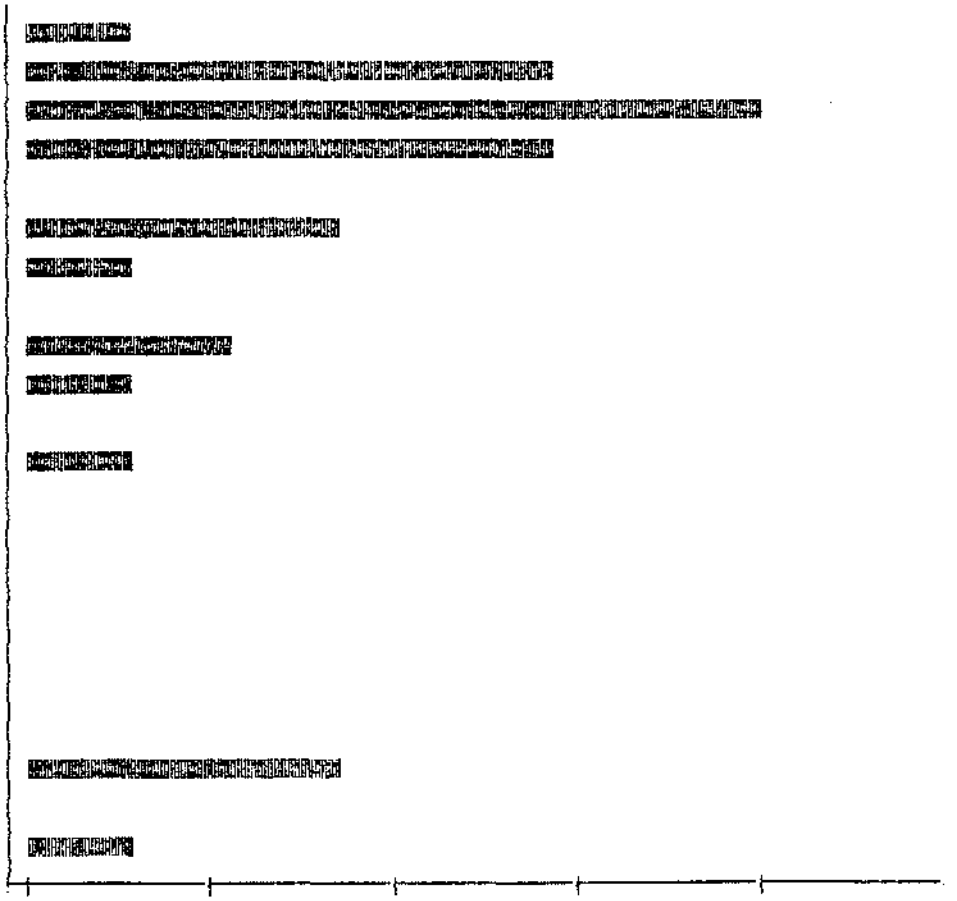
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	44.0 PPM
MINIMUM VALUE:	1.0 PPM
MEAN:	6.0 PPM
STD. DEVIATION:	8.3 PPM
COEFF. OF VARIATION:	1.4

5 HIGHEST MO VALUES:

IH155	44.0 PPM
IH176	15.0 PPM
IH150	14.0 PPM
IH156	14.0 PPM
IH161	8.0 PPM

HISTOGRAM FOR MO CLASS INTERVAL = 0.70

	MID CLASS PPM	CLASS %
<	1.00	3.33
	1.35	16.67
	2.05	23.33
	2.75	16.67
	3.45	0.00
	4.15	10.00
	4.85	3.33
	5.55	0.00
	6.25	6.67
	6.95	3.33
	7.65	0.00
	8.35	3.33
	9.05	0.00
	9.75	0.00
	10.45	0.00
	11.15	0.00
	11.85	0.00
	12.55	0.00
	13.25	0.00
	13.95	10.00
	14.65	0.00
>	15.00	3.33



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

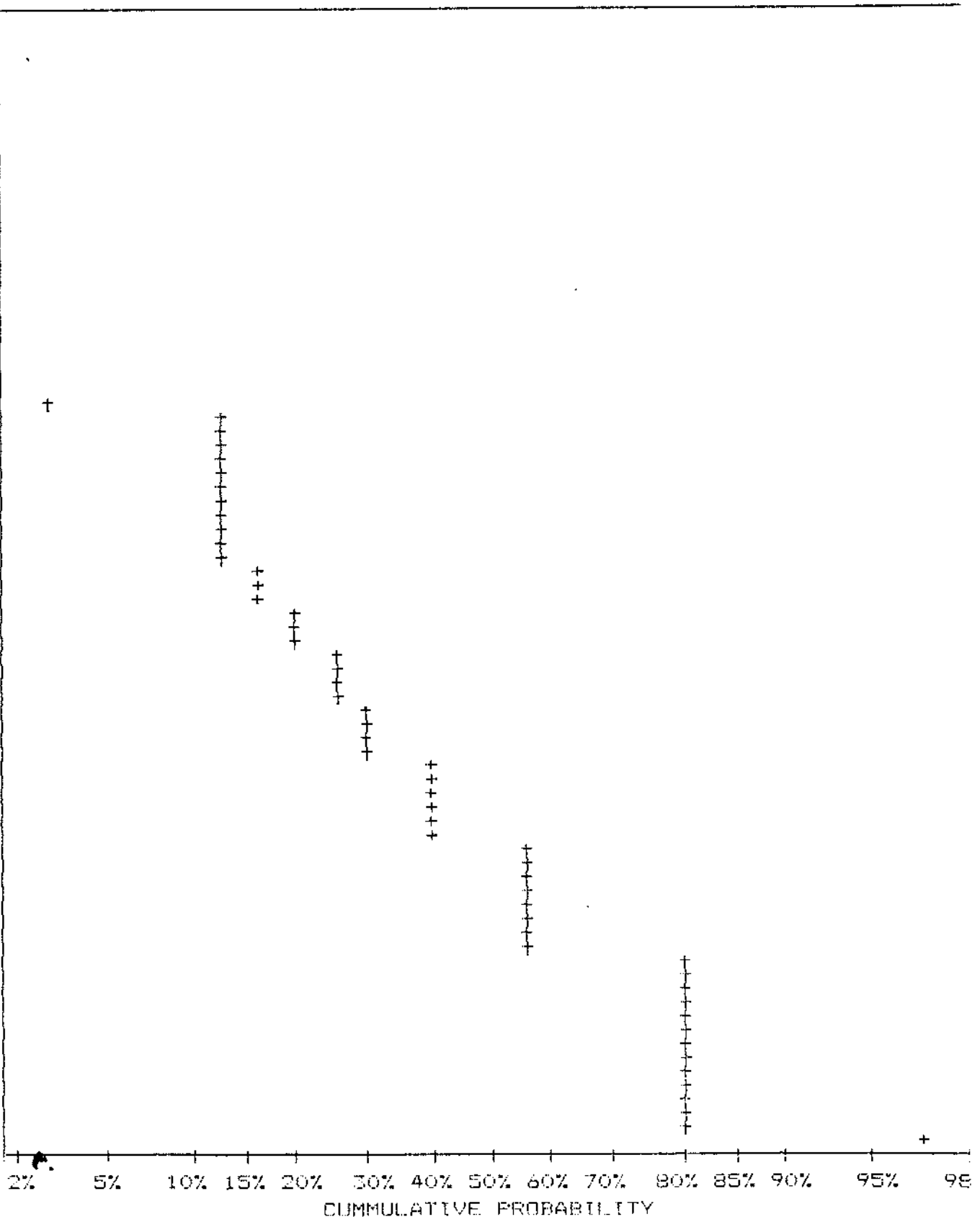
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON MO

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
41.84	0.00
37.82	0.00
34.19	0.00
30.91	0.00
27.94	0.00
25.26	0.00
22.83	0.00
20.64	0.00
18.66	0.00
16.87	0.00
15.25	0.00
13.79	13.33
12.46	13.33
11.27	13.33
10.19	13.33
9.21	13.33
8.32	13.33
7.53	16.67
6.80	20.00
6.15	20.00
5.56	26.67
5.03	26.67
4.54	30.00
4.11	30.00
3.71	40.00
3.36	40.00
3.03	40.00
2.74	56.67
2.48	56.67
2.24	56.67
2.03	56.67
1.83	80.00
1.66	80.00
1.50	80.00
1.35	80.00
1.22	80.00
1.11	80.00
1.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON NA

COMPANY:G.D. DIAMOND DRILLING LTD.
ATTN:J.P.LOISELLE
PROJECT:QUINSAM I
FILE#:8-1900

DATE:NOVEMBER 9 1988
SAMPLE TYPE:ROCK
ANALYSIS TYPE:GEOCHEM

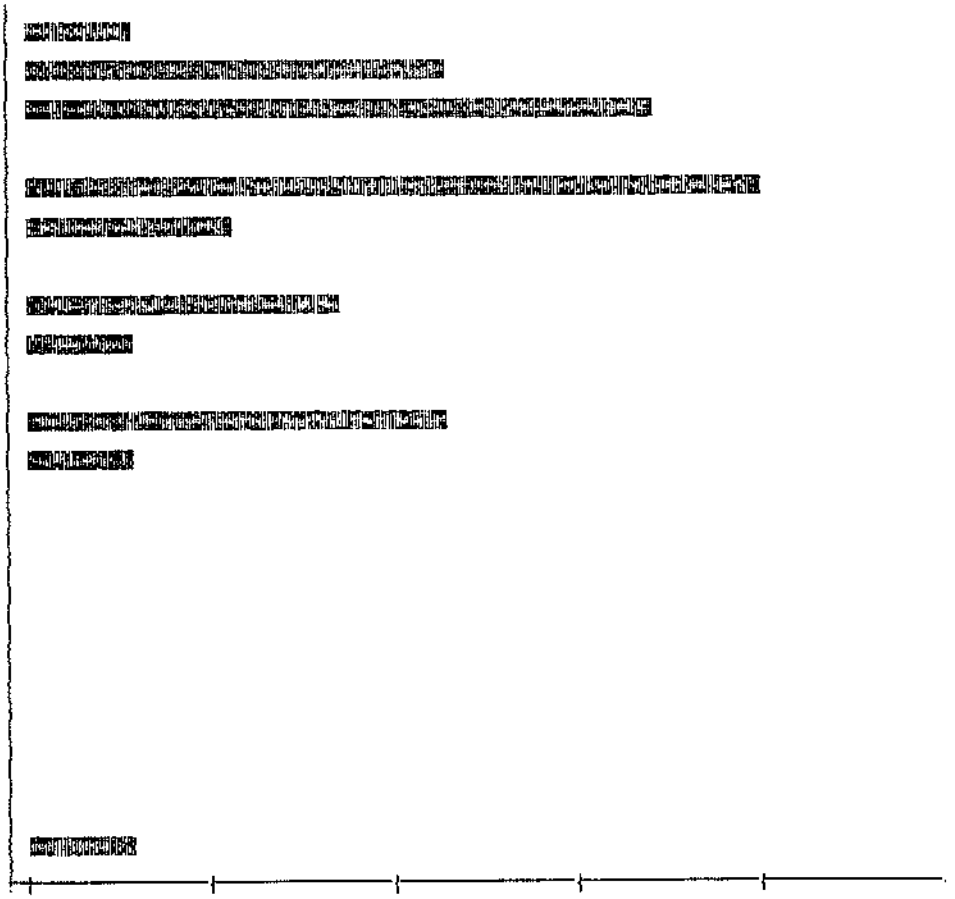
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	2250.0 PPM
MINIMUM VALUE:	30.0 PPM
MEAN:	133.0 PPM
STD. DEVIATION:	400.8 PPM
COEFF. OF VARIATION:	3.0

5 HIGHEST NA VALUES:

IH176	2250.0 PPM
IH177	160.0 PPM
IH166	100.0 PPM
IH151	90.0 PPM
IH156	90.0 PPM

HISTOGRAM FOR NA CLASS INTERVAL = 6.50

	MID CLASS PPM	CLASS %
<	30.00	3.33
	33.25	13.33
	39.75	20.00
	46.25	0.00
	52.75	23.33
	59.25	6.67
	65.75	0.00
	72.25	10.00
	78.75	3.33
	85.25	0.00
	91.75	13.33
	98.25	3.33
	104.75	0.00
	111.25	0.00
	117.75	0.00
	124.25	0.00
	130.75	0.00
	137.25	0.00
	143.75	0.00
	150.25	0.00
	156.75	0.00
>	160.00	3.33



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

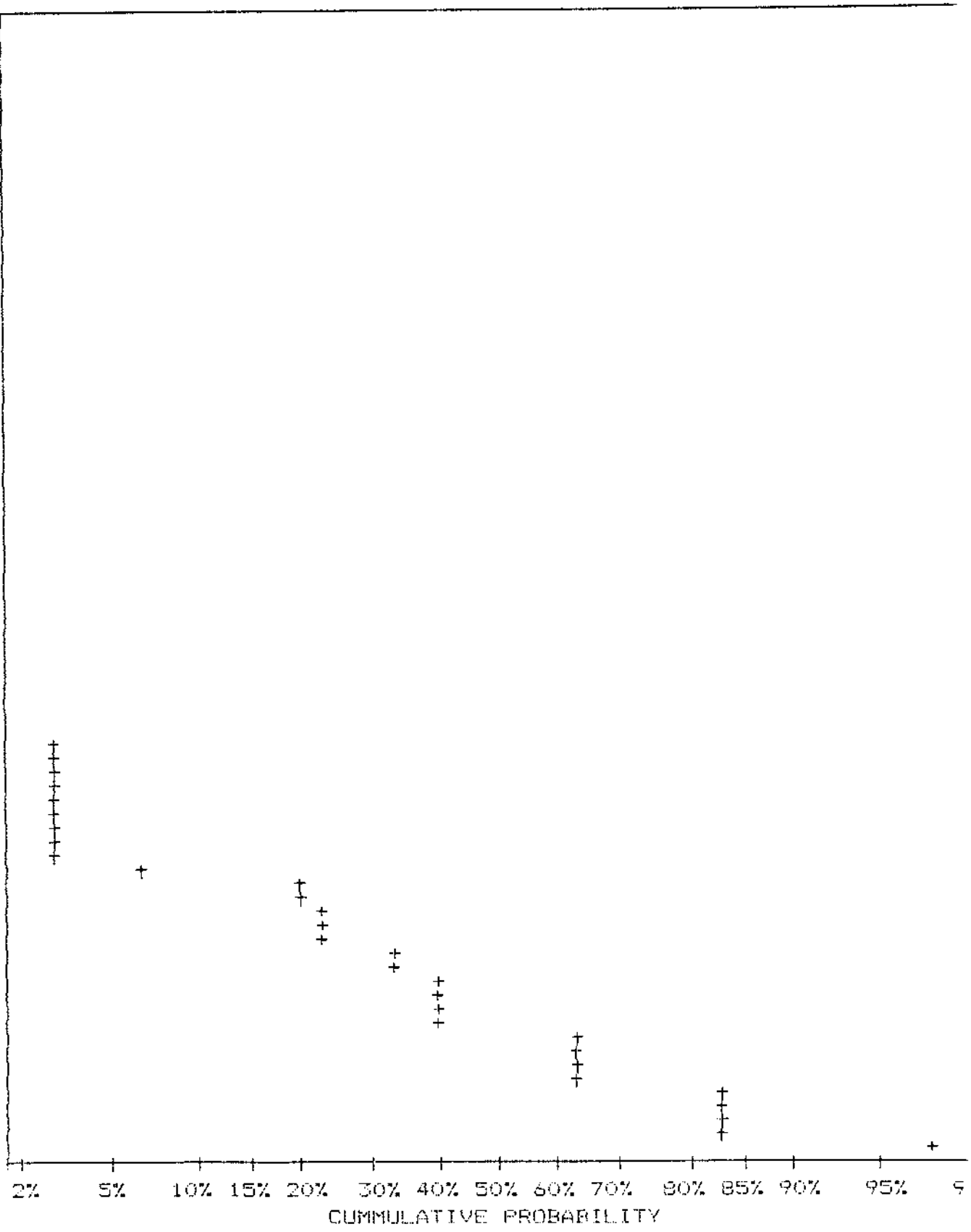
TELEX: USA 760167 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON NA

COMPANY:G.D. DIAMOND DRILLING LTD.
ATTN:J.P.LOISELLE
PROJECT:QUINSAM I
FILE#:8-1900

DATE:NOVEMBER 9 1988
SAMPLE TYPE:ROCK
ANALYSIS TYPE:GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
2124.13	0.00
1893.13	0.00
1687.25	0.00
1503.75	0.00
1340.22	0.00
1194.47	0.00
1064.56	0.00
948.79	0.00
845.61	0.00
753.65	0.00
671.68	0.00
598.64	0.00
533.53	0.00
475.51	0.00
423.80	0.00
377.71	0.00
336.63	0.00
300.02	0.00
267.39	0.00
238.31	0.00
212.40	0.00
189.30	0.00
168.71	0.00
150.36	3.33
134.01	3.33
119.44	3.33
106.45	3.33
94.87	6.67
84.55	20.00
75.36	23.33
67.16	33.33
59.86	40.00
53.35	40.00
47.55	63.33
42.38	63.33
37.77	83.33
33.66	83.33
30.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON NI

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

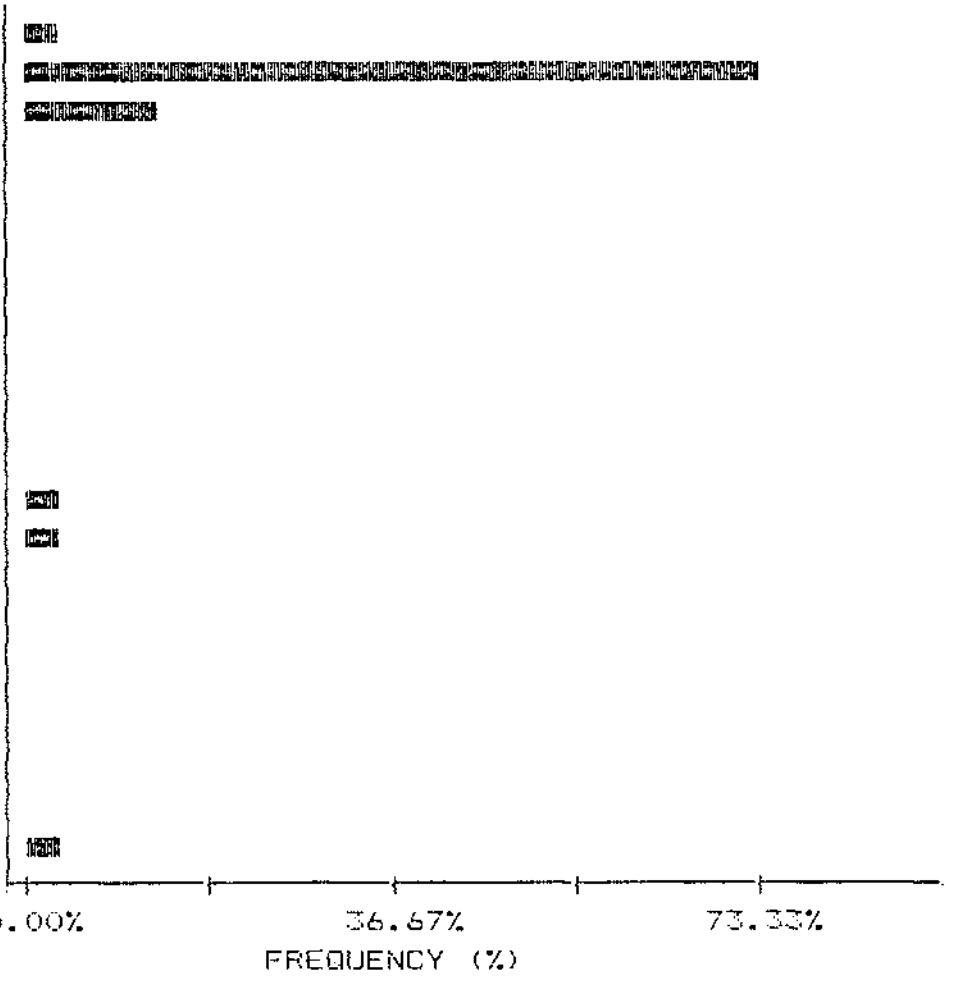
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	255.0 PPM
MINIMUM VALUE:	1.0 PPM
MEAN:	19.9 PPM
STD. DEVIATION:	50.7 PPM
COEFF. OF VARIATION:	2.6

5 HIGHEST NI VALUES:

IH168	255.0 PPM
IH155	110.0 PPM
IH149	67.0 PPM
IH176	66.0 PPM
IH156	11.0 PPM

HISTOGRAM FOR NI CLASS INTERVAL = 5.45

	MID CLASS PPM	CLASS %
<	1.00	3.33
	3.72	73.33
	9.17	13.33
	14.62	0.00
	20.07	0.00
	25.52	0.00
	30.97	0.00
	36.42	0.00
	41.87	0.00
	47.32	0.00
	52.77	0.00
	58.22	0.00
	63.67	3.33
	69.12	3.33
	74.57	0.00
	80.02	0.00
	85.47	0.00
	90.92	0.00
	96.37	0.00
	101.82	0.00
	107.27	0.00
>	110.00	3.33



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

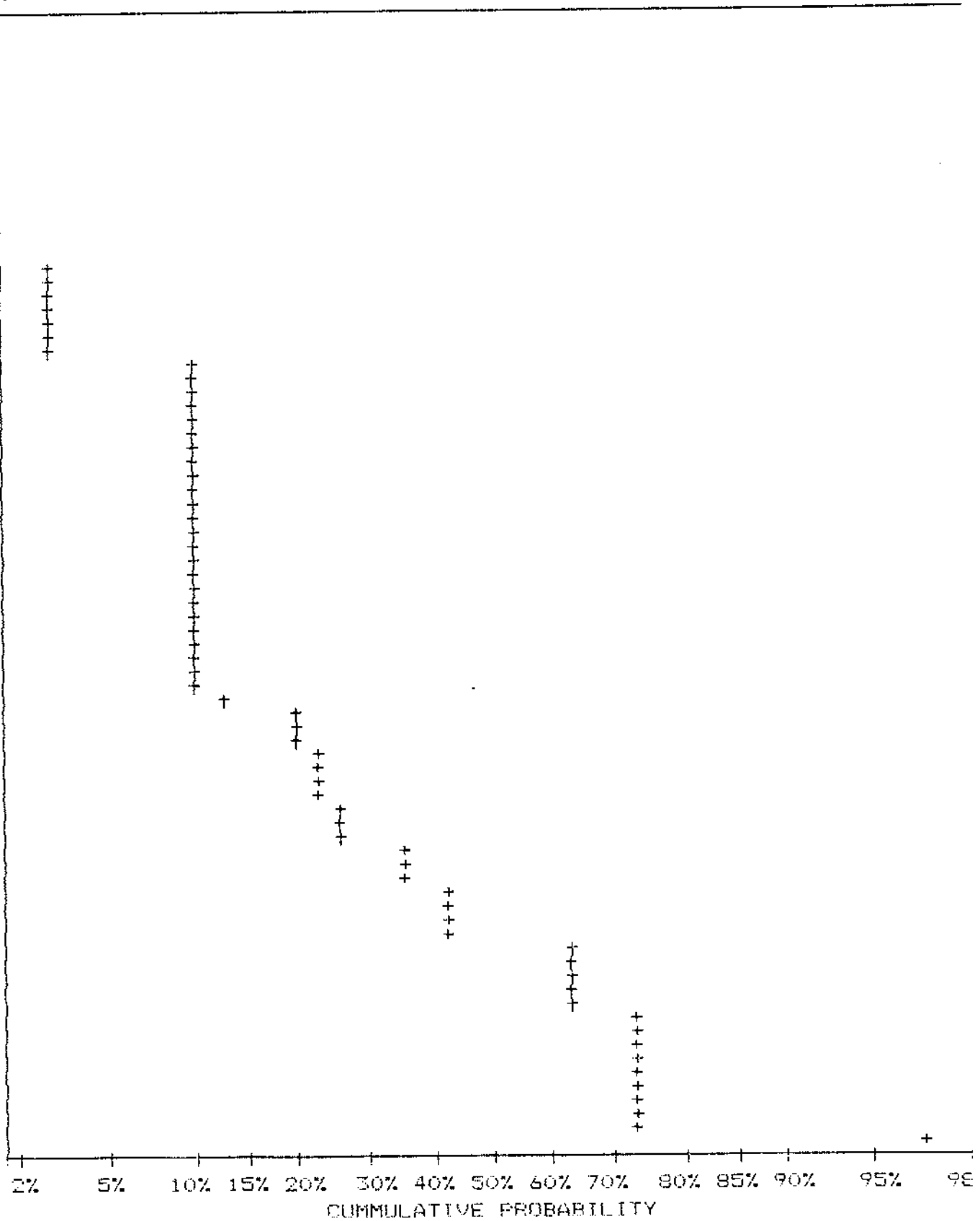
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON NI

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
236.84	0.00
204.30	0.00
176.24	0.00
152.03	0.00
131.15	0.00
113.13	0.00
97.59	3.33
84.18	3.33
72.62	3.33
62.64	10.00
54.04	10.00
46.62	10.00
40.21	10.00
34.69	10.00
29.92	10.00
25.81	10.00
22.27	10.00
19.21	10.00
16.57	10.00
14.29	10.00
12.33	10.00
10.64	13.33
9.18	20.00
7.91	23.33
6.83	23.33
5.89	26.67
5.08	26.67
4.38	36.67
3.78	43.33
3.26	43.33
2.81	63.33
2.43	63.33
2.09	63.33
1.81	73.33
1.56	73.33
1.34	73.33
1.16	73.33
1.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON P

COMPANY:G.D. DIAMOND DRILLING LTD.
ATTN:J.P.LOISELLE
PROJECT:QUINSAM I
FILE#:8-1900

DATE:NOVEMBER 9 1988
SAMPLE TYPE:ROCK
ANALYSIS TYPE:GEOCHEM

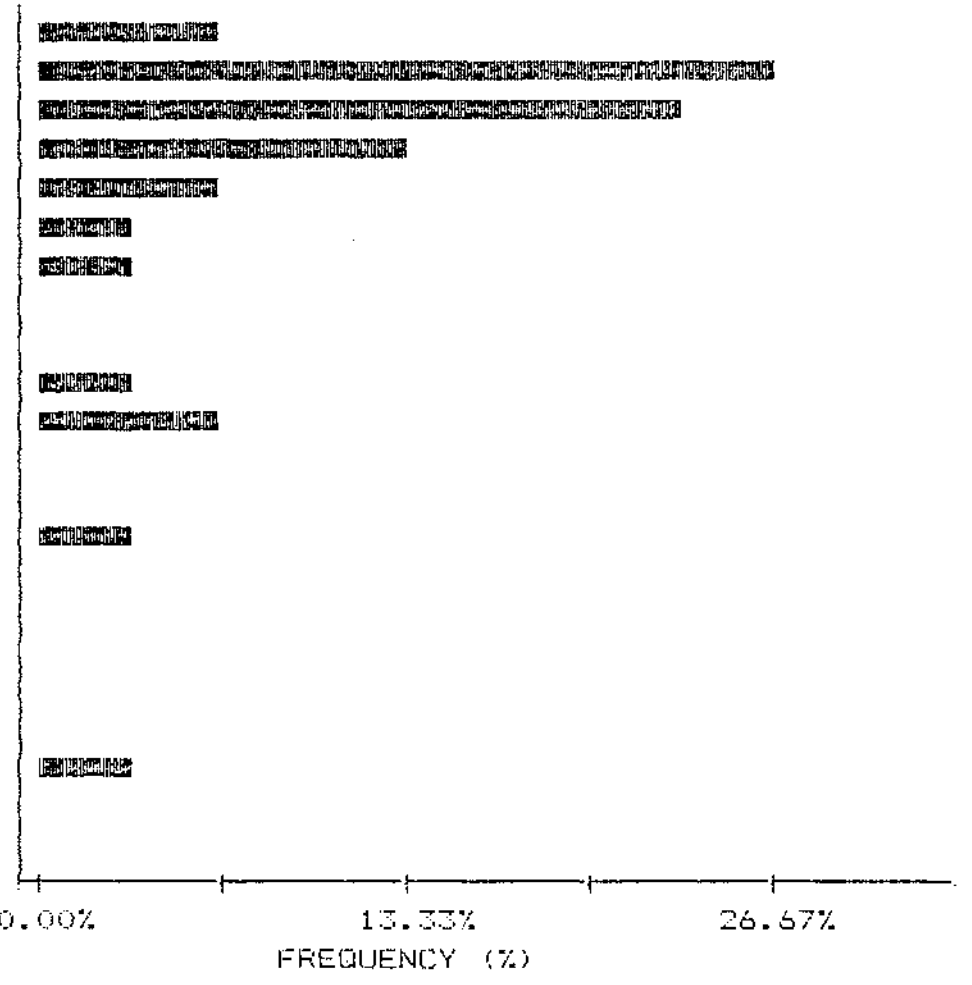
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	1520.0 PPM
MINIMUM VALUE:	90.0 PPM
MEAN:	383.7 PPM
STD. DEVIATION:	376.4 PPM
COEFF. OF VARIATION:	1.0

5 HIGHEST P VALUES:

IH168	1520.0 PPM
IH157	1430.0 PPM
IH174	1020.0 PPM
IH172	800.0 PPM
IH176	750.0 PPM

HISTOGRAM FOR P CLASS INTERVAL = 71.00

MID CLASS PPM	CLASS %
< 100.00	6.67
135.50	26.67
206.50	23.33
277.50	13.33
348.50	6.67
419.50	3.33
490.50	3.33
561.50	0.00
632.50	0.00
703.50	3.33
774.50	6.67
845.50	0.00
916.50	0.00
987.50	3.33
1058.50	0.00
1129.50	0.00
1200.50	0.00
1271.50	0.00
1342.50	0.00
1413.50	3.33
1484.50	0.00
> 1520.00	0.00



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

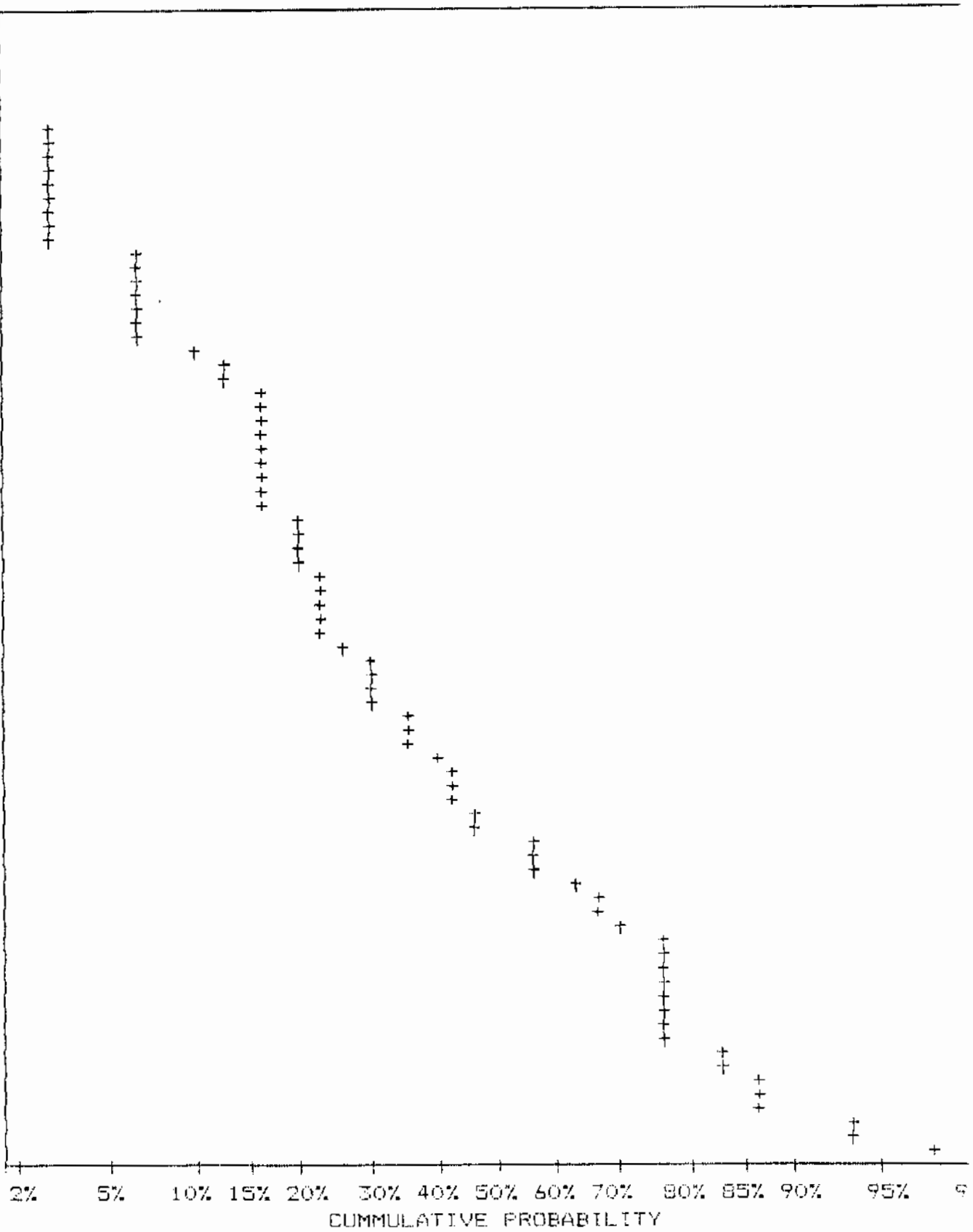
TELEX: USA 760167 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON P

COMPANY:G.D. DIAMOND DRILLING LTD.
ATTN:J.P.LOISELLE
PROJECT:QUINSAM I
FILE#:8-1900

DATE:NOVEMBER 9 1988
SAMPLE TYPE:ROCK
ANALYSIS TYPE:GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
1463.78	0.00
1357.50	3.33
1258.94	3.33
1167.53	3.33
1082.76	3.33
1004.14	6.67
931.24	6.67
863.62	6.67
800.92	6.67
742.76	13.33
688.84	16.67
638.82	16.67
592.44	16.67
549.42	16.67
509.53	16.67
472.54	20.00
438.23	20.00
406.41	23.33
376.90	23.33
349.54	26.67
324.16	30.00
300.62	30.00
278.79	36.67
258.55	40.00
239.78	43.33
222.37	46.67
206.22	56.67
191.25	56.67
177.36	66.67
164.49	70.00
152.54	76.67
141.47	76.67
131.20	76.67
121.67	76.67
112.84	83.33
104.64	86.67
97.05	93.33
90.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON PB

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

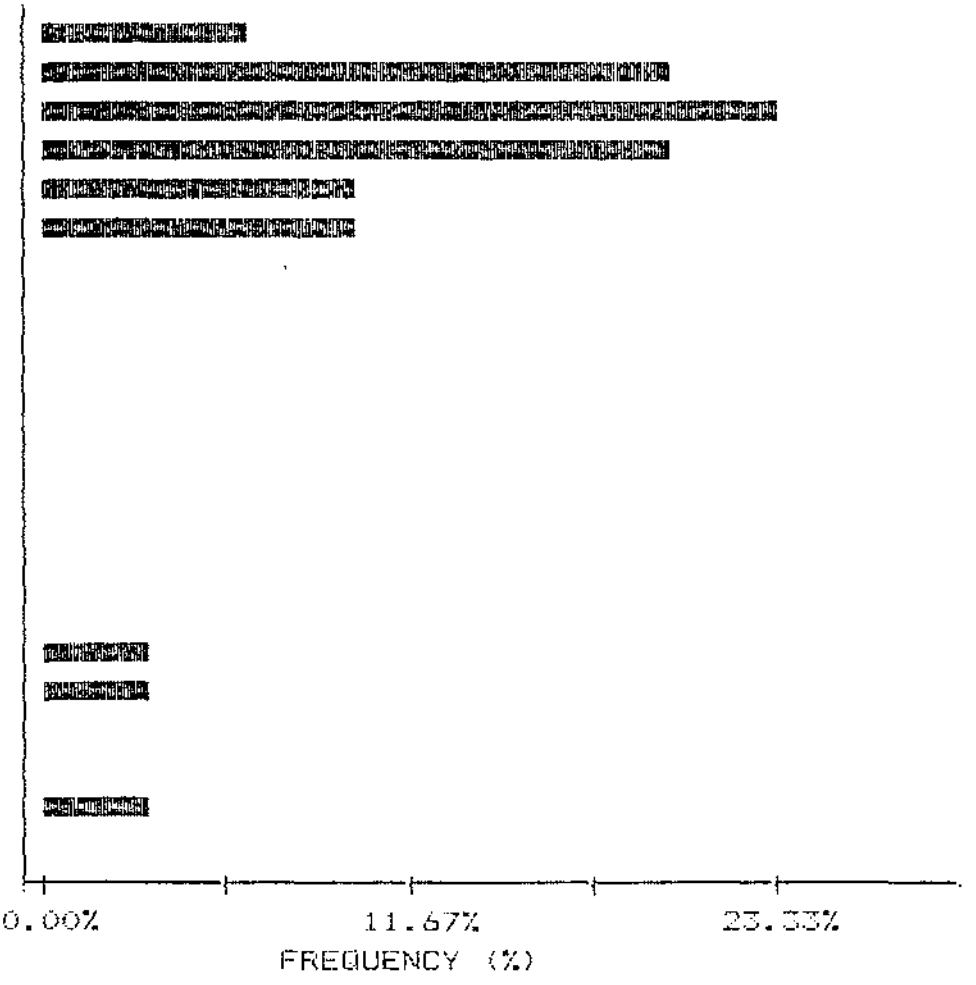
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	152.0 PPM
MINIMUM VALUE:	11.0 PPM
MEAN:	40.4 PPM
STD. DEVIATION:	40.0 PPM
COEFF. OF VARIATION:	1.0

5 HIGHEST PB VALUES:

IH157	152.0 PPM
IH166	149.0 PPM
IH168	127.0 PPM
IH158	45.0 PPM
IH149	43.0 PPM

HISTOGRAM FOR PB CLASS INTERVAL = 7.00

	MID CLASS PPM	CLASS %
<	12.00	6.67
	15.50	20.00
	22.50	23.33
	29.50	20.00
	36.50	10.00
	43.50	10.00
	50.50	0.00
	57.50	0.00
	64.50	0.00
	71.50	0.00
	78.50	0.00
	85.50	0.00
	92.50	0.00
	99.50	0.00
	106.50	0.00
	113.50	0.00
	120.50	3.33
	127.50	3.33
	134.50	0.00
	141.50	0.00
	148.50	3.33
>	152.00	0.00



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

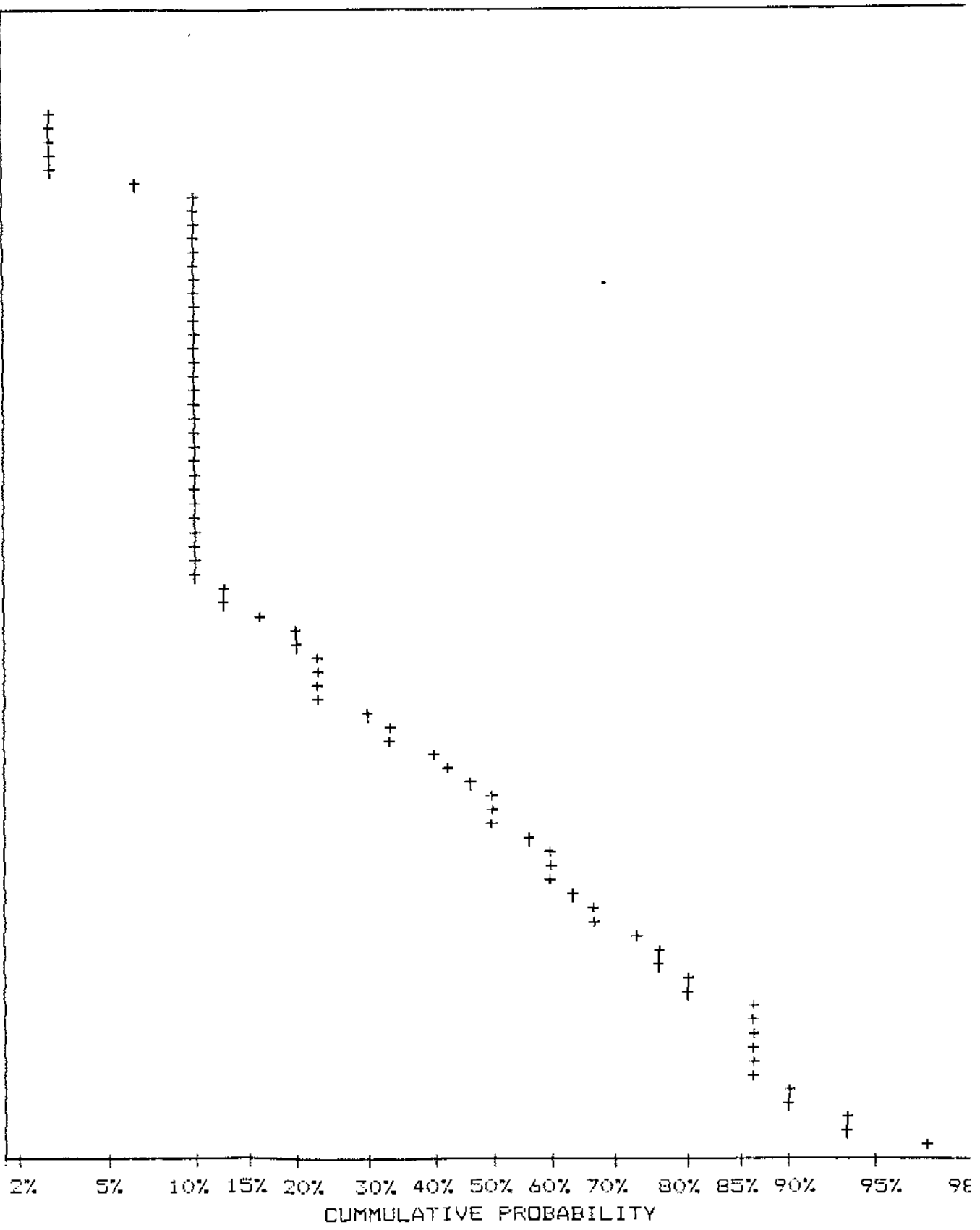
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON PB

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
146.77	3.33
136.84	3.33
127.59	3.33
118.96	10.00
110.91	10.00
103.41	10.00
96.42	10.00
89.90	10.00
83.82	10.00
78.15	10.00
72.86	10.00
67.94	10.00
63.34	10.00
59.06	10.00
55.06	10.00
51.34	10.00
47.87	10.00
44.63	13.33
41.61	16.67
38.80	20.00
36.17	23.33
33.73	23.33
31.45	33.33
29.32	40.00
27.34	46.67
25.49	50.00
23.76	56.67
22.16	60.00
20.66	63.33
19.26	66.67
17.96	76.67
16.74	80.00
15.61	86.67
14.56	86.67
13.57	86.67
12.65	90.00
11.80	93.33
11.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON SB

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

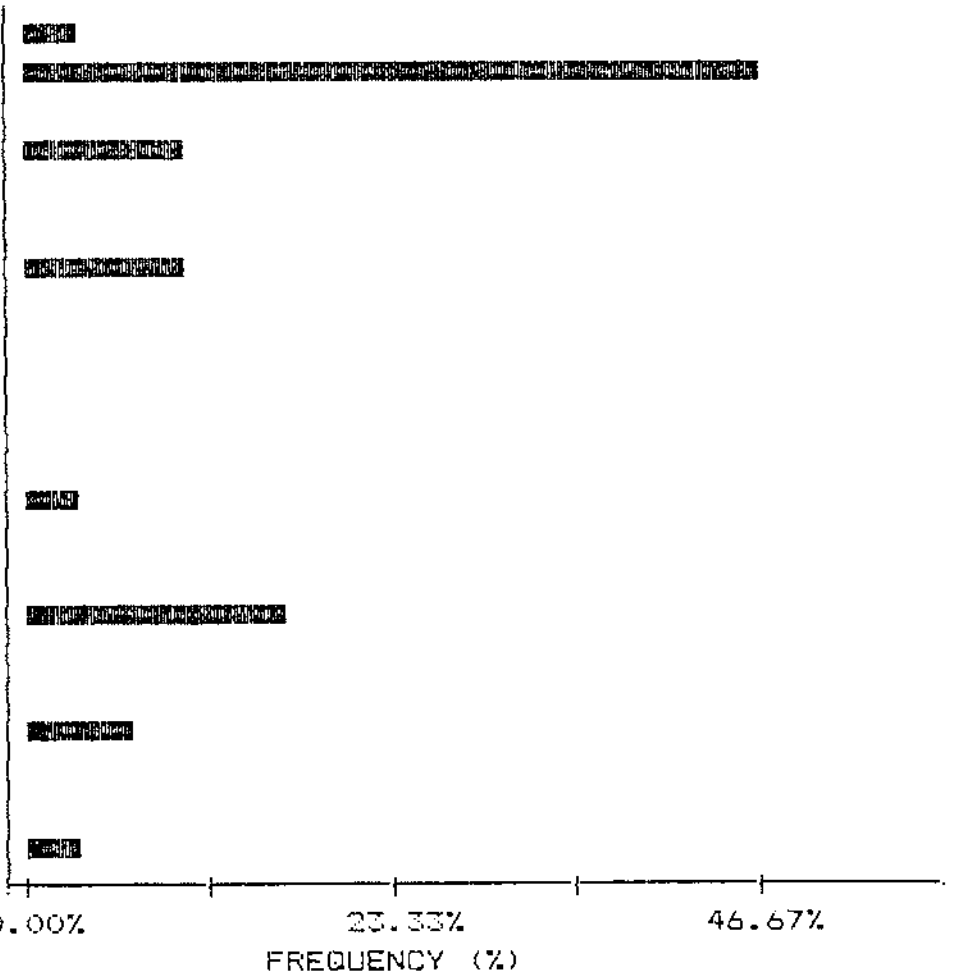
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	8.0 PPM
MINIMUM VALUE:	1.0 PPM
MEAN:	3.1 PPM
STD. DEVIATION:	2.6 PPM
COEFF. OF VARIATION:	0.8

5 HIGHEST SB VALUES:

IH167	8.0 PPM
IH172	8.0 PPM
IH162	7.0 PPM
IH177	7.0 PPM
IH152	6.0 PPM

HISTOGRAM FOR SB CLASS INTERVAL = 0.35

MID CLASS PPM	CLASS %
< 1.00	3.33
1.17	46.67
1.52	0.00
1.87	10.00
2.22	0.00
2.57	0.00
2.92	10.00
3.27	0.00
3.62	0.00
3.97	0.00
4.32	0.00
4.67	0.00
5.02	3.33
5.37	0.00
5.72	0.00
6.07	16.67
6.42	0.00
6.77	0.00
7.12	6.67
7.47	0.00
7.82	0.00
> 8.00	3.33



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON SB

COMPANY: G.D. DIAMOND DRILLING LTD.

ATTN: J.P.LOISELLE

PROJECT: QUINSAM I

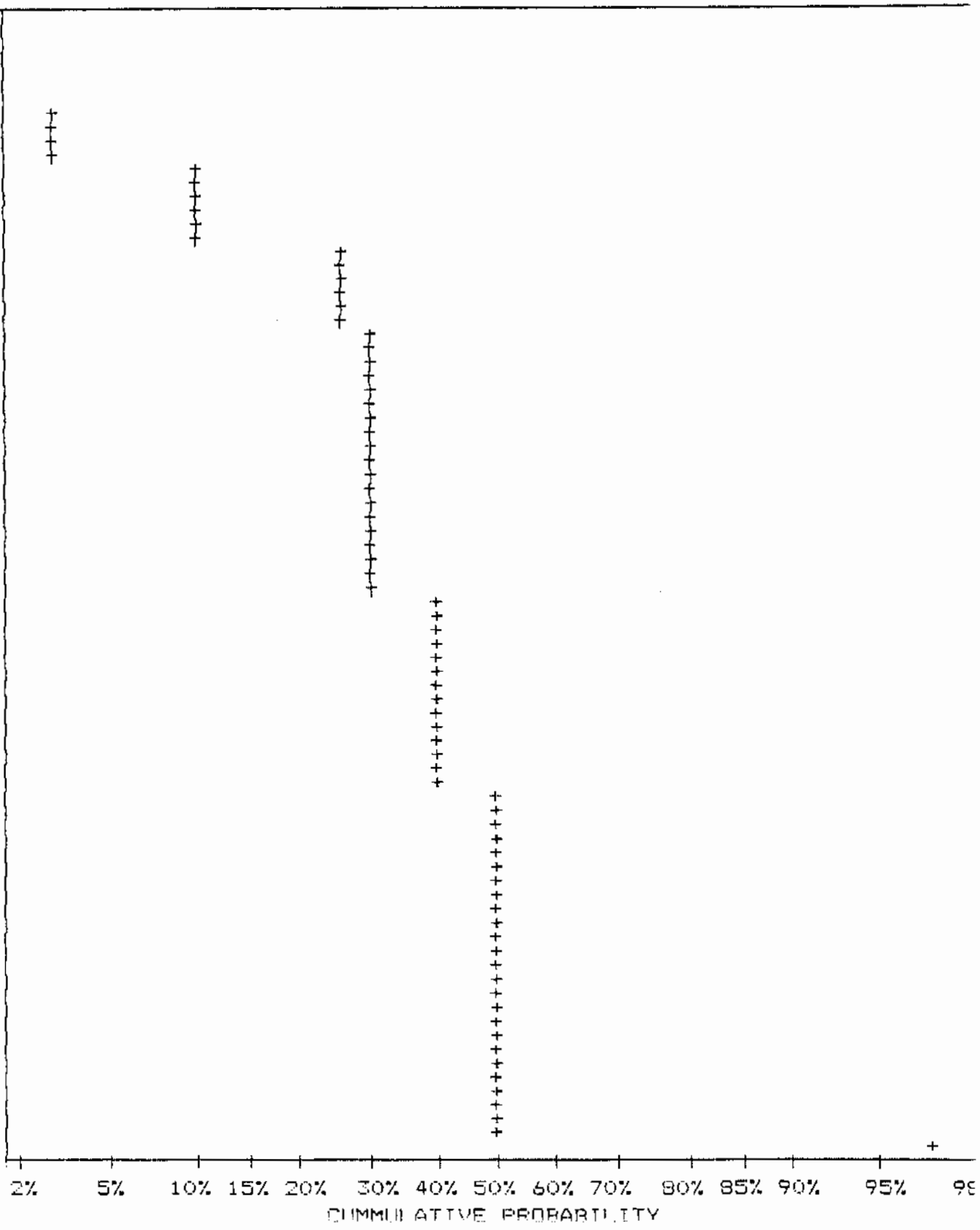
FILE#: 8-1900

DATE: NOVEMBER 9 1988

SAMPLE TYPE: ROCK

ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
7.78	3.33
7.36	3.33
6.96	10.00
6.59	10.00
6.23	10.00
5.90	26.67
5.58	26.67
5.28	26.67
4.99	30.00
4.72	30.00
4.47	30.00
4.23	30.00
4.00	30.00
3.78	30.00
3.58	30.00
3.39	30.00
3.20	30.00
3.03	30.00
2.87	40.00
2.71	40.00
2.57	40.00
2.43	40.00
2.30	40.00
2.17	40.00
2.06	40.00
1.95	50.00
1.84	50.00
1.74	50.00
1.65	50.00
1.56	50.00
1.47	50.00
1.39	50.00
1.32	50.00
1.25	50.00
1.18	50.00
1.12	50.00
1.06	50.00
1.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE:(604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON SR

COMPANY:G.D. DIAMOND DRILLING LTD.
ATTN:J.P.LOISELLE
PROJECT:QUINSAM I
FILE#:8-1900

DATE:NOVEMBER 9 1988
SAMPLE TYPE:ROCK
ANALYSIS TYPE:GEOCHEM

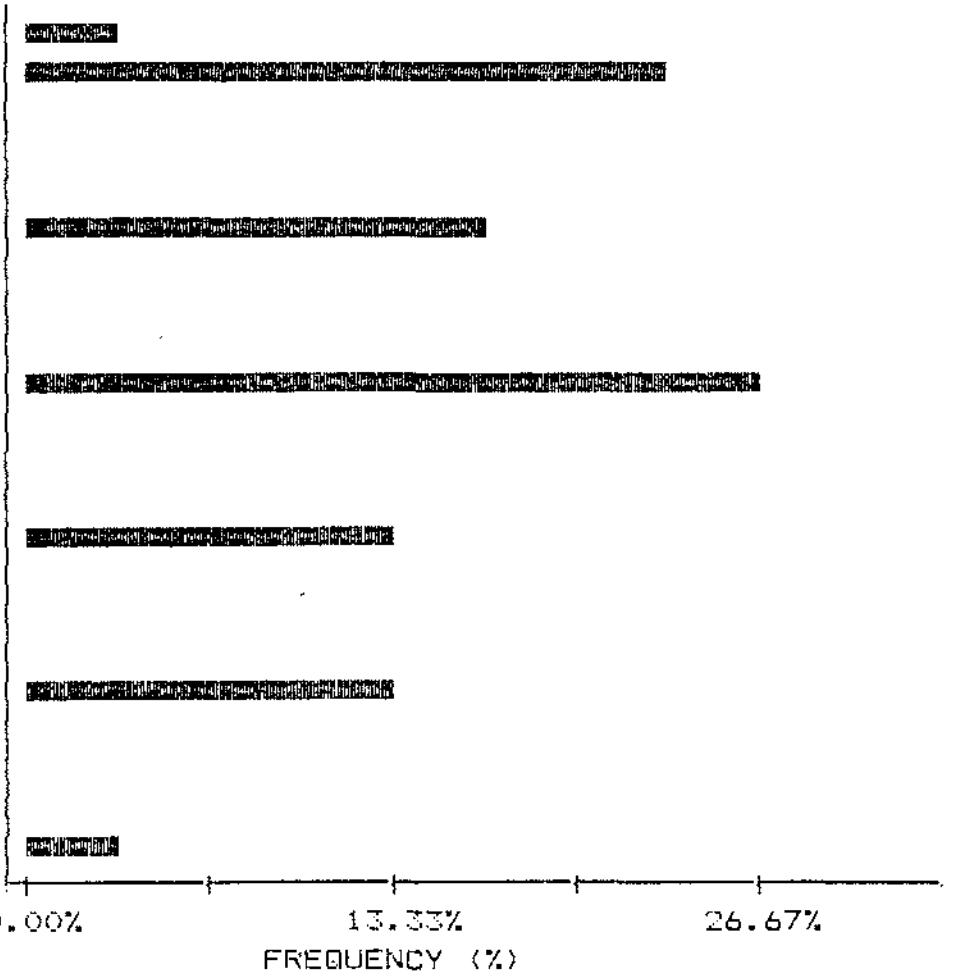
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	73.0 PPM
MINIMUM VALUE:	1.0 PPM
MEAN:	5.2 PPM
STD. DEVIATION:	12.9 PPM
COEFF. OF VARIATION:	2.5

5 HIGHEST SR VALUES:

IH176	73.0 PPM
IH172	6.0 PPM
IH157	5.0 PPM
IH166	5.0 PPM
IH174	5.0 PPM

HISTOGRAM FOR SR CLASS INTERVAL = 0.25

	MID CLASS PPM	CLASS %
<	1.00	3.33
	1.13	23.33
	1.38	0.00
	1.63	0.00
	1.88	0.00
	2.13	16.67
	2.38	0.00
	2.63	0.00
	2.88	0.00
	3.13	26.67
	3.38	0.00
	3.63	0.00
	3.88	0.00
	4.13	13.33
	4.38	0.00
	4.63	0.00
	4.88	0.00
	5.13	13.33
	5.38	0.00
	5.63	0.00
	5.88	0.00
>	6.00	3.33



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

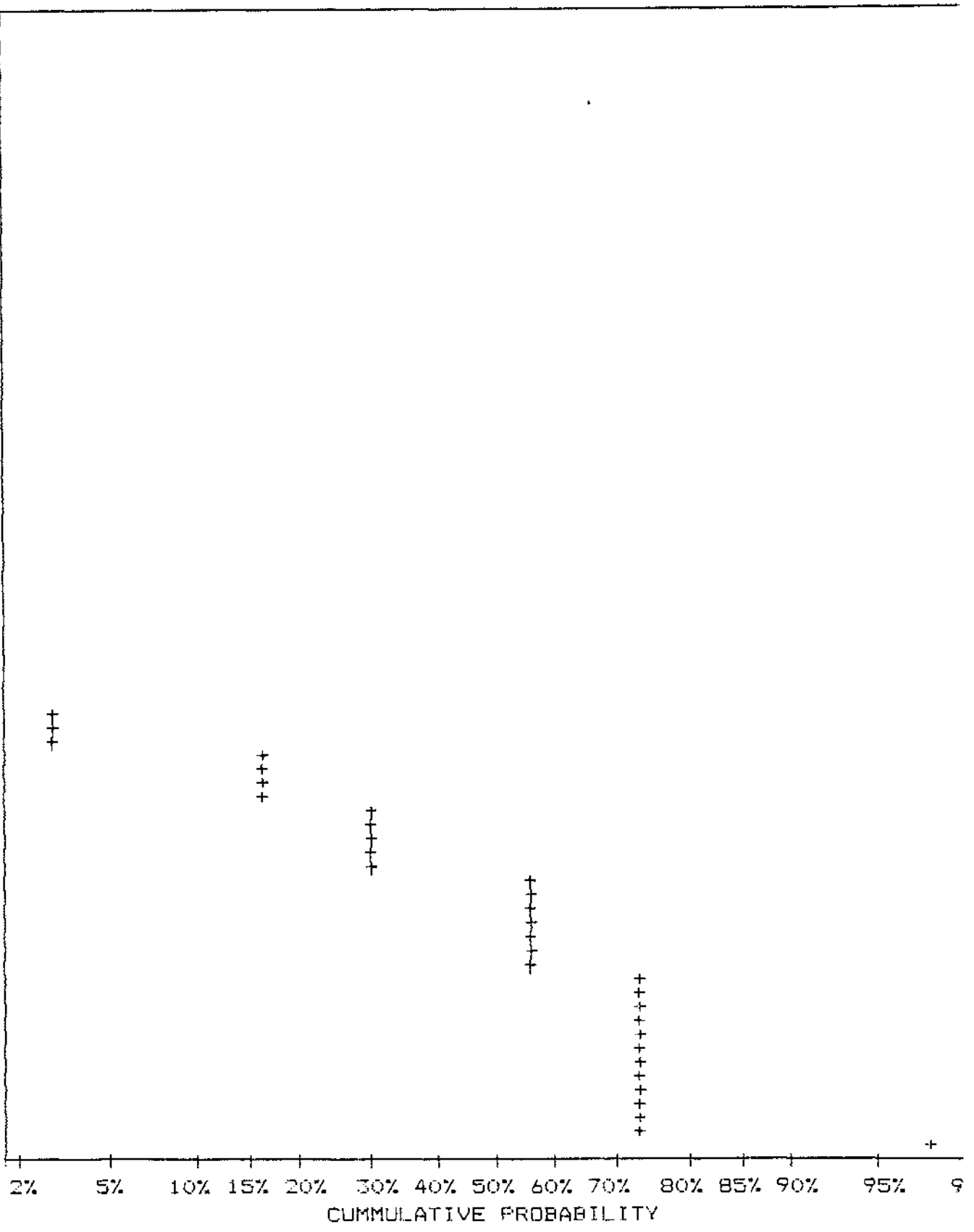
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON SR

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P. LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
68.94	0.00
61.49	0.00
54.84	0.00
48.91	0.00
43.62	0.00
38.91	0.00
34.70	0.00
30.95	0.00
27.60	0.00
24.62	0.00
21.96	0.00
19.58	0.00
17.47	0.00
15.58	0.00
13.89	0.00
12.39	0.00
11.05	0.00
9.86	0.00
8.79	0.00
7.84	0.00
6.99	0.00
6.24	0.00
5.56	3.33
4.96	16.67
4.43	16.67
3.95	30.00
3.52	30.00
3.14	30.00
2.80	56.67
2.50	56.67
2.23	56.67
1.99	73.33
1.77	73.33
1.58	73.33
1.41	73.33
1.26	73.33
1.12	73.33
1.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON TH

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

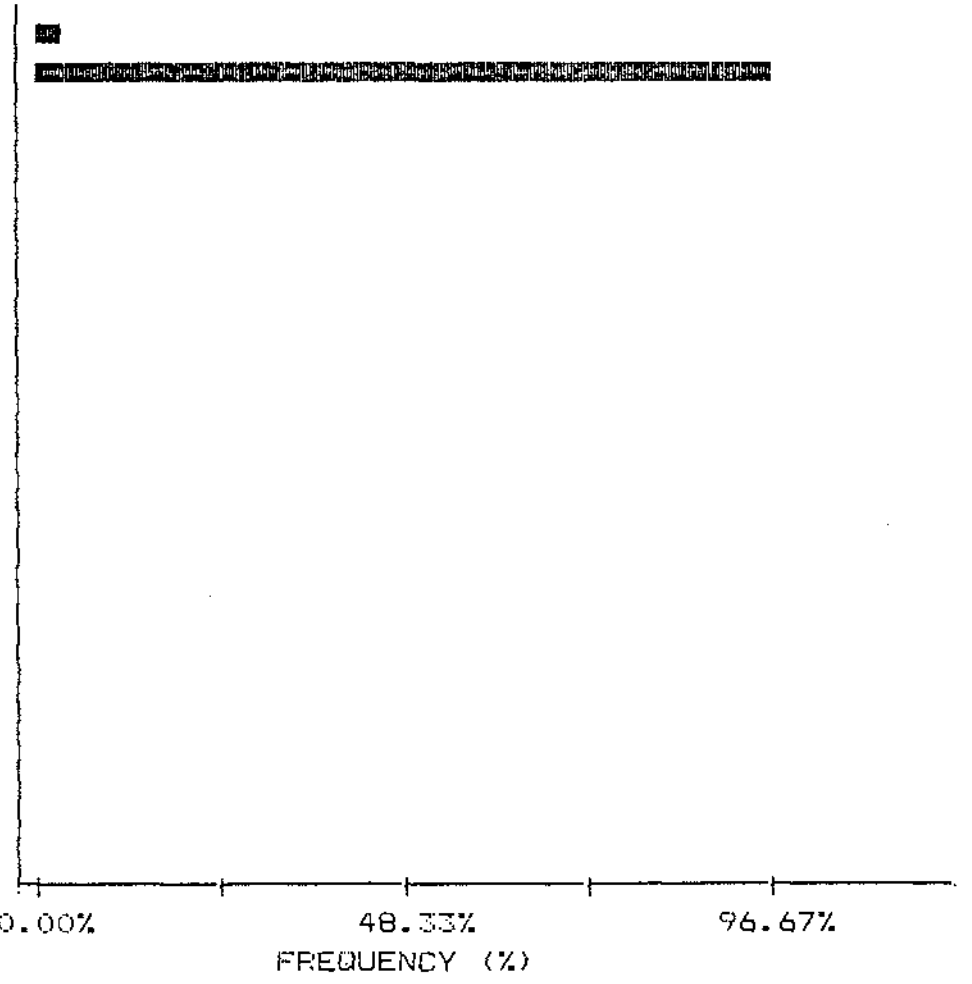
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	3.0 PPM
MINIMUM VALUE:	1.0 PPM
MEAN:	1.1 PPM
STD. DEVIATION:	0.4 PPM
COEFF. OF VARIATION:	0.3

5 HIGHEST TH VALUES:

IH155	3.0 PPM
IH148	1.0 PPM
IH149	1.0 PPM
IH150	1.0 PPM
IH151	1.0 PPM

HISTOGRAM FOR TH CLASS INTERVAL = 0.10

MID CLASS PPM	CLASS %
< 1.00	3.33
1.05	96.67
1.15	0.00
1.25	0.00
1.35	0.00
1.45	0.00
1.55	0.00
1.65	0.00
1.75	0.00
1.85	0.00
1.95	0.00
2.05	0.00
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	0.00
> 3.00	0.00



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

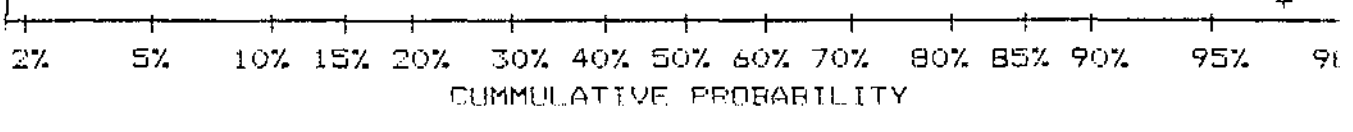
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON TH

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P. LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
2.96	0.00
2.87	0.00
2.79	0.00
2.71	0.00
2.63	0.00
2.55	0.00
2.48	0.00
2.41	0.00
2.34	0.00
2.27	0.00
2.21	0.00
2.14	0.00
2.08	0.00
2.02	0.00
1.96	0.00
1.91	0.00
1.85	0.00
1.80	0.00
1.74	0.00
1.69	0.00
1.65	0.00
1.60	0.00
1.55	0.00
1.51	0.00
1.46	0.00
1.42	0.00
1.38	0.00
1.34	0.00
1.30	0.00
1.26	0.00
1.23	0.00
1.19	0.00
1.16	0.00
1.12	0.00
1.09	0.00
1.06	0.00
1.03	0.00
1.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON U

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

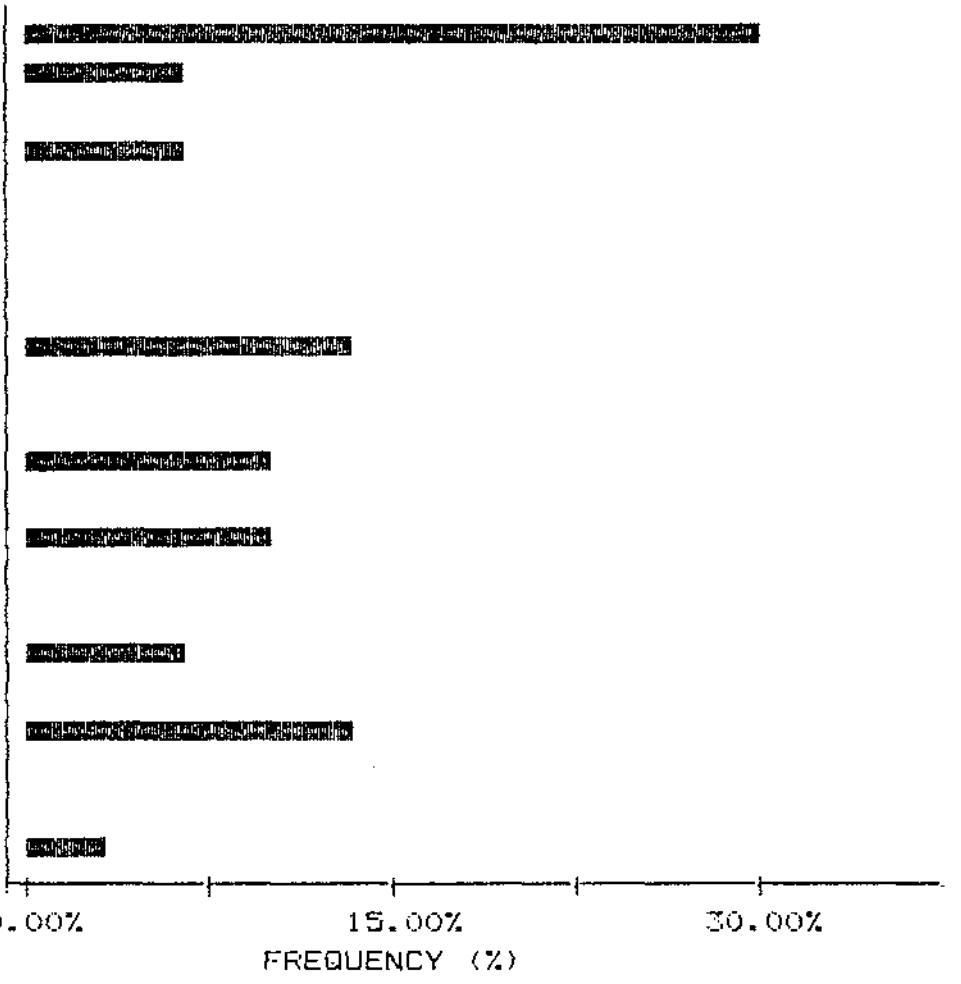
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	17.0 PPM
MINIMUM VALUE:	1.0 PPM
MEAN:	10.6 PPM
STD. DEVIATION:	5.3 PPM
COEFF. OF VARIATION:	0.5

5 HIGHEST U VALUES:

IH154	17.0 PPM
IH157	16.0 PPM
IH165	16.0 PPM
IH170	16.0 PPM
IH173	16.0 PPM

HISTOGRAM FOR U CLASS INTERVAL = 0.40

	MID CLASS PPM	CLASS %
<	9.00	30.00
	9.20	6.67
	9.60	0.00
	10.00	6.67
	10.40	0.00
	10.80	0.00
	11.20	0.00
	11.60	0.00
	12.00	13.33
	12.40	0.00
	12.80	0.00
	13.20	10.00
	13.60	0.00
	14.00	10.00
	14.40	0.00
	14.80	0.00
	15.20	6.67
	15.60	0.00
	16.00	13.33
	16.40	0.00
	16.80	0.00
>	17.00	3.33



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

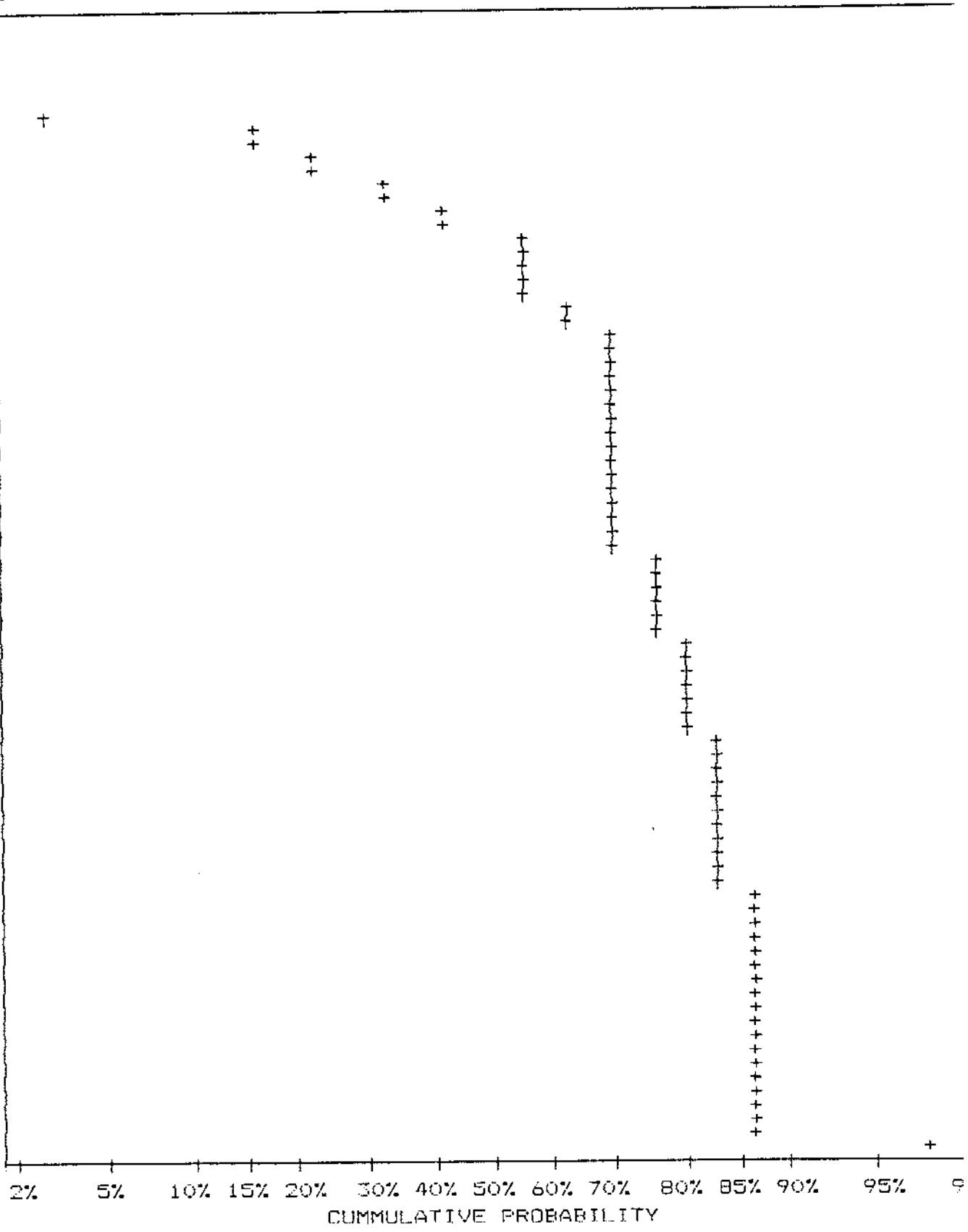
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON U

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
16.37	3.33
15.18	16.67
14.07	23.33
13.05	33.33
12.10	43.33
11.22	56.67
10.40	56.67
9.65	63.33
8.94	70.00
8.29	70.00
7.69	70.00
7.13	70.00
6.61	70.00
6.13	70.00
5.68	70.00
5.27	70.00
4.99	76.67
4.53	76.67
4.20	76.67
3.90	80.00
3.61	80.00
3.35	80.00
3.11	80.00
2.88	83.33
2.67	83.33
2.48	83.33
2.30	83.33
2.13	83.33
1.97	86.67
1.83	86.67
1.70	86.67
1.57	86.67
1.46	86.67
1.35	86.67
1.25	86.67
1.16	86.67
1.08	86.67
1.00	96.67



MIN-EN LABORATORIES LTD.
SPECIALISTS IN MINERAL ENVIRONMENTS
705 WEST 15TH STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON V

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

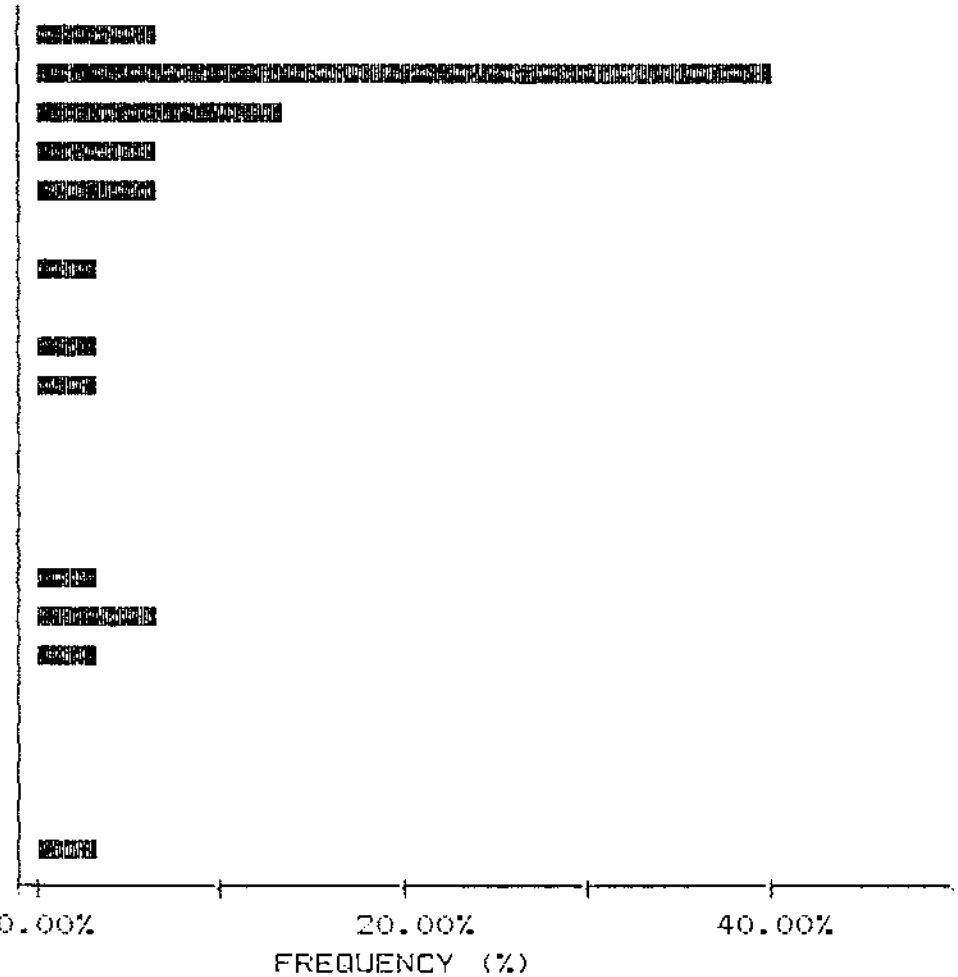
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	218.2 PPM
MINIMUM VALUE:	4.8 PPM
MEAN:	28.3 PPM
STD. DEVIATION:	42.2 PPM
COEFF. OF VARIATION:	1.5

5 HIGHEST V VALUES:

IH176	218.2 PPM
IH177	84.3 PPM
IH168	64.9 PPM
IH166	63.8 PPM
IH149	61.3 PPM

HISTOGRAM FOR V CLASS INTERVAL = 3.95

	MID CLASS PPM	CLASS %
<	5.20	6.67
	7.17	40.00
	11.12	13.33
	15.07	6.67
	19.02	6.67
	22.97	0.00
	26.92	3.33
	30.87	0.00
	34.82	3.33
	38.77	3.33
	42.72	0.00
	46.67	0.00
	50.62	0.00
	54.57	0.00
	58.52	3.33
	62.47	6.67
	66.42	3.33
	70.37	0.00
	74.32	0.00
	78.27	0.00
	82.22	0.00
>	84.30	3.33



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

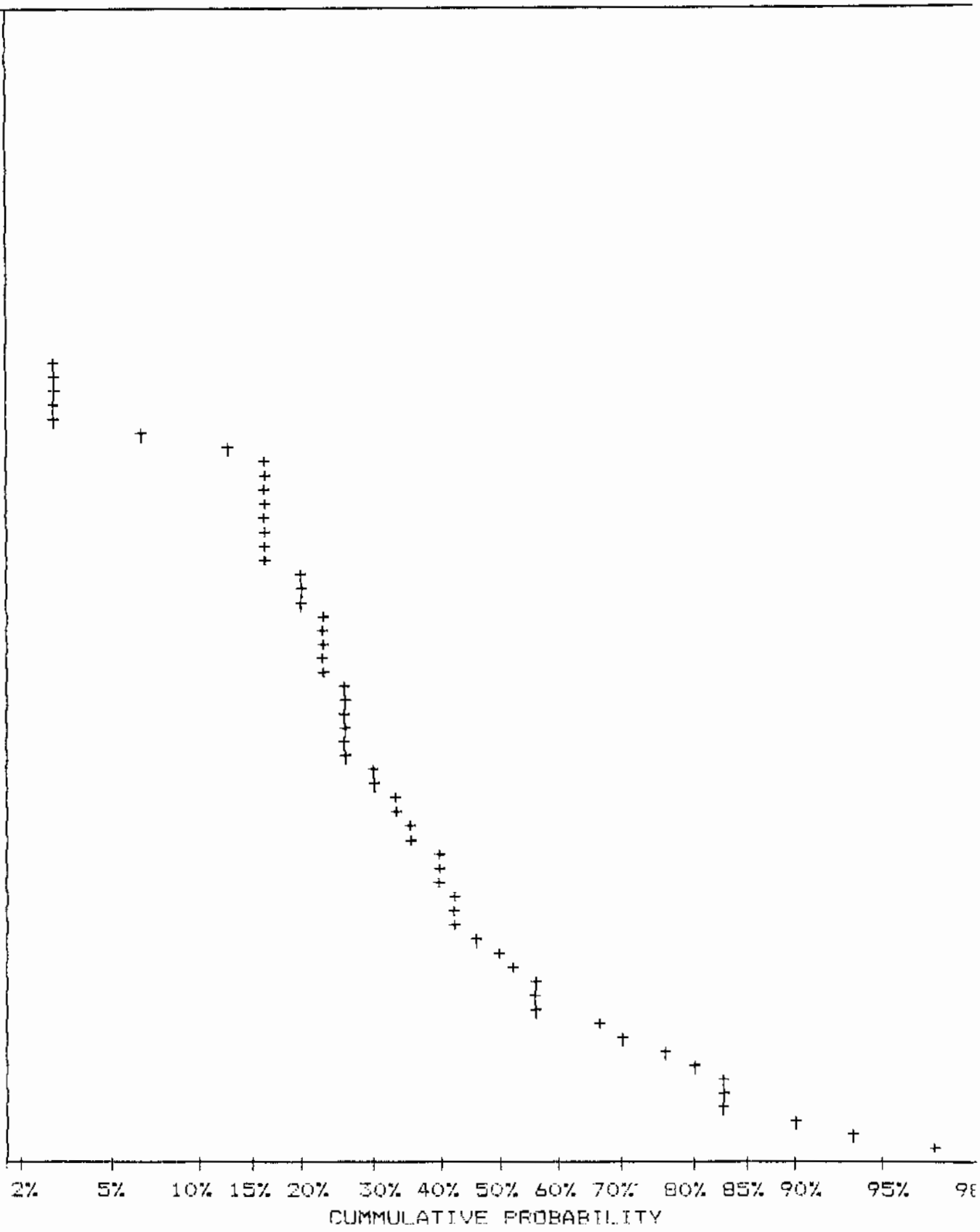
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON V

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
207.37	0.00
187.31	0.00
169.18	0.00
152.81	0.00
138.02	0.00
124.66	0.00
112.60	0.00
101.70	0.00
91.86	0.00
82.97	3.33
74.94	3.33
67.69	3.33
61.14	13.33
55.22	16.67
49.88	16.67
45.05	16.67
40.69	16.67
36.75	20.00
33.20	23.33
29.98	23.33
27.08	23.33
24.46	26.67
22.09	26.67
19.96	26.67
18.03	30.00
16.28	33.33
14.71	36.67
13.28	40.00
12.00	43.33
10.84	43.33
9.79	50.00
8.84	56.67
7.98	56.67
7.21	70.00
6.51	80.00
5.88	83.33
5.31	90.00
4.80	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON ZN

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

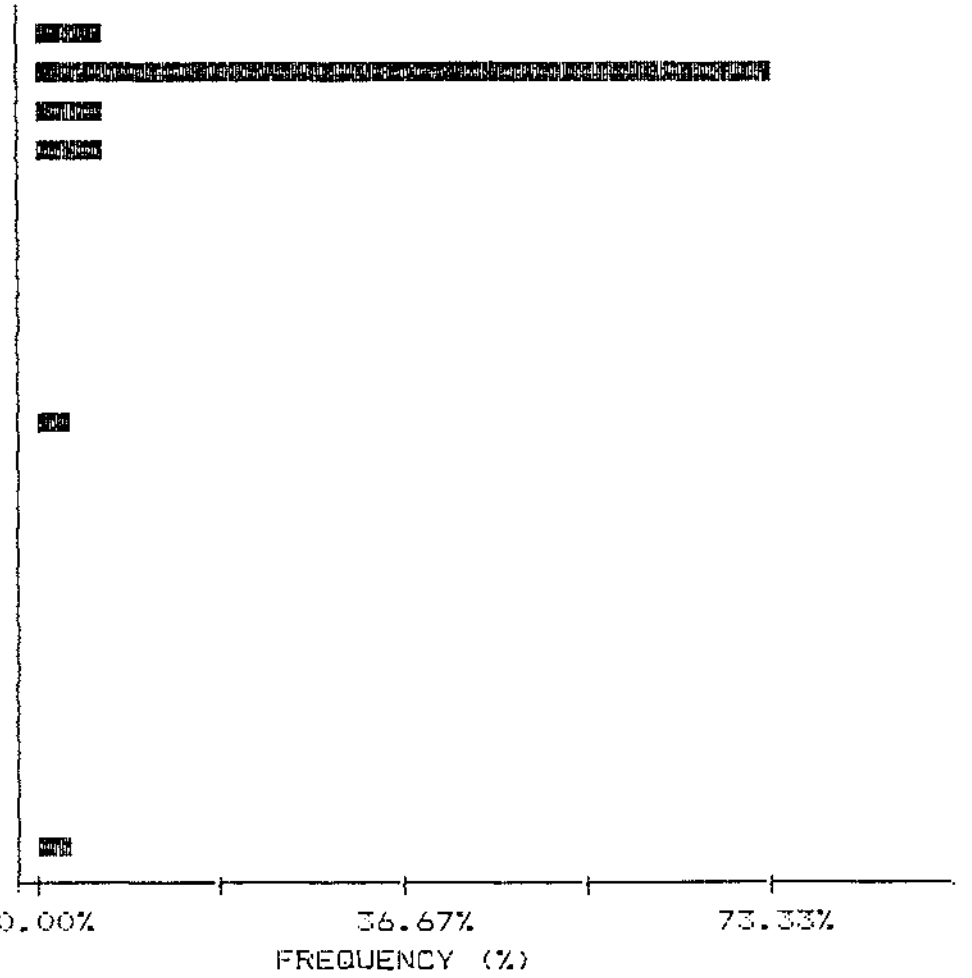
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	4886.0 PPM
MINIMUM VALUE:	9.0 PPM
MEAN:	505.2 PPM
STD. DEVIATION:	1228.5 PPM
COEFF. OF VARIATION:	2.4

5 HIGHEST ZN VALUES:

IH151	4886.0 PPM
IH172	2212.0 PPM
IH154	676.0 PPM
IH157	605.0 PPM
IH150	415.0 PPM

HISTOGRAM FOR ZN CLASS INTERVAL = 230.75

	MID CLASS PPM	CLASS %
<	11.00	6.67
	126.37	73.33
	357.12	6.67
	587.87	6.67
	818.62	0.00
	1049.37	0.00
	1280.12	0.00
	1510.87	0.00
	1741.62	0.00
	1972.37	0.00
	2203.13	3.33
	2433.87	0.00
	2664.62	0.00
	2895.37	0.00
	3126.12	0.00
	3356.87	0.00
	3587.62	0.00
	3818.37	0.00
	4049.12	0.00
	4279.87	0.00
	4510.62	0.00
>	4626.00	3.33



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

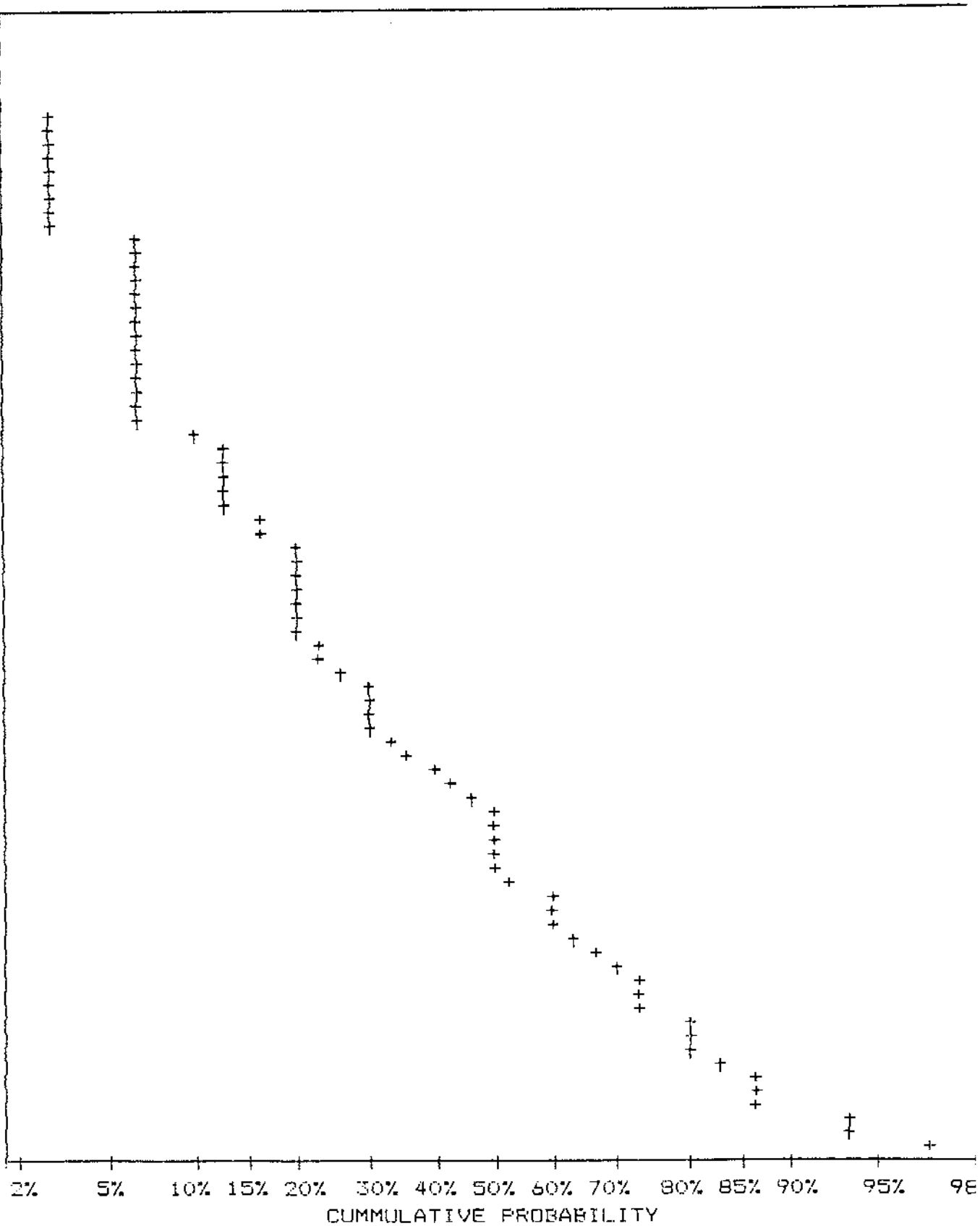
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON ZN

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
4492.53	3.33
3798.09	3.33
3210.99	3.33
2714.65	3.33
2295.03	3.33
1940.27	6.67
1640.35	6.67
1386.79	6.67
1172.43	6.67
991.20	6.67
837.98	6.67
708.45	6.67
598.94	13.33
506.36	13.33
428.09	13.33
361.91	16.67
305.97	20.00
258.68	20.00
218.69	20.00
184.89	23.33
156.31	26.67
132.15	30.00
111.72	30.00
94.45	36.67
79.85	43.33
67.51	50.00
57.07	50.00
48.25	50.00
40.79	60.00
34.49	60.00
29.16	66.67
24.65	73.33
20.84	73.33
17.62	80.00
14.89	83.33
12.59	86.67
10.65	93.33
9.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON GA

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P. LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

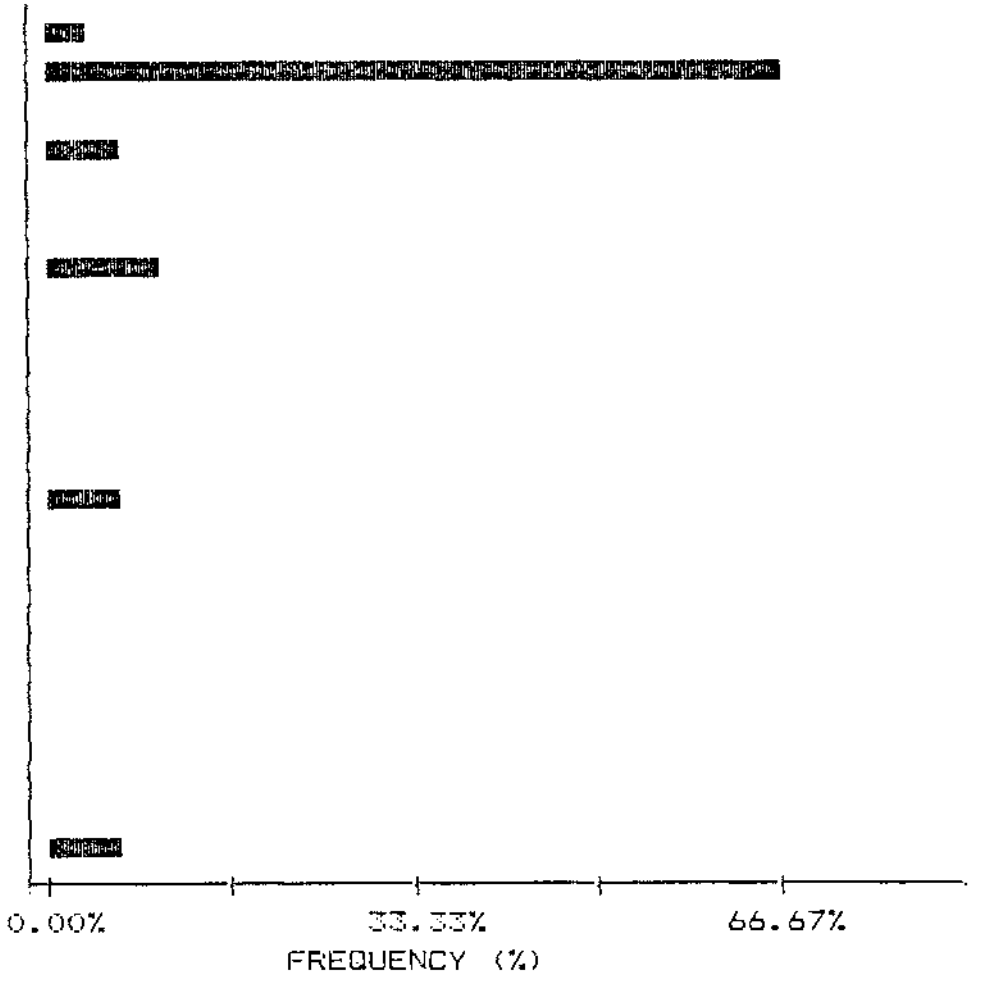
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	8.0
MINIMUM VALUE:	1.0
MEAN:	2.2
STD. DEVIATION:	2.3
COEFF. OF VARIATION:	1.0

5 HIGHEST VALUES:

IH151	8.0
IH155	8.0
IH166	8.0
IH156	5.0
IH161	5.0

HISTOGRAM FOR CLASS INTERVAL = 0.35

MID CLASS	CLASS %
1.00	3.33
1.17	66.67
1.52	0.00
1.87	6.67
2.22	0.00
2.57	0.00
2.92	10.00
3.27	0.00
3.62	0.00
3.97	0.00
4.32	0.00
4.67	0.00
5.02	6.67
5.37	0.00
5.72	0.00
6.07	0.00
6.42	0.00
6.77	0.00
7.12	0.00
7.47	0.00
7.82	0.00
8.00	6.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

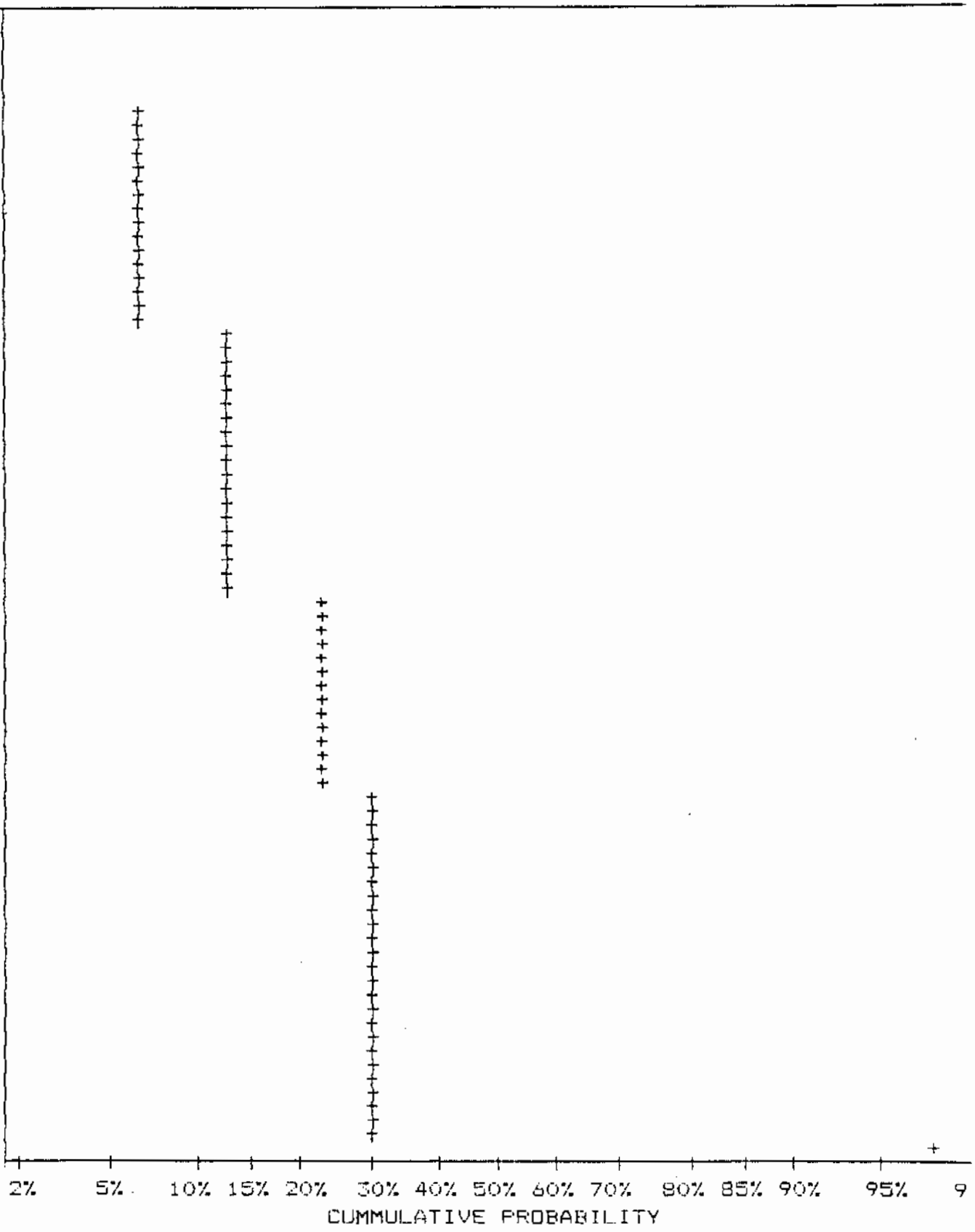
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON GA

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT ( )	CUMMUL. FREQ. (%)
7.78	6.67
7.36	6.67
6.96	6.67
6.59	6.67
6.23	6.67
5.90	6.67
5.58	6.67
5.28	6.67
4.99	13.33
4.72	13.33
4.47	13.33
4.23	13.33
4.00	13.33
3.78	13.33
3.58	13.33
3.39	13.33
3.20	13.33
3.03	13.33
2.87	23.33
2.71	23.33
2.57	23.33
2.43	23.33
2.30	23.33
2.17	23.33
2.06	23.33
1.95	30.00
1.84	30.00
1.74	30.00
1.65	30.00
1.56	30.00
1.47	30.00
1.39	30.00
1.32	30.00
1.25	30.00
1.18	30.00
1.12	30.00
1.06	30.00
1.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON SN

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

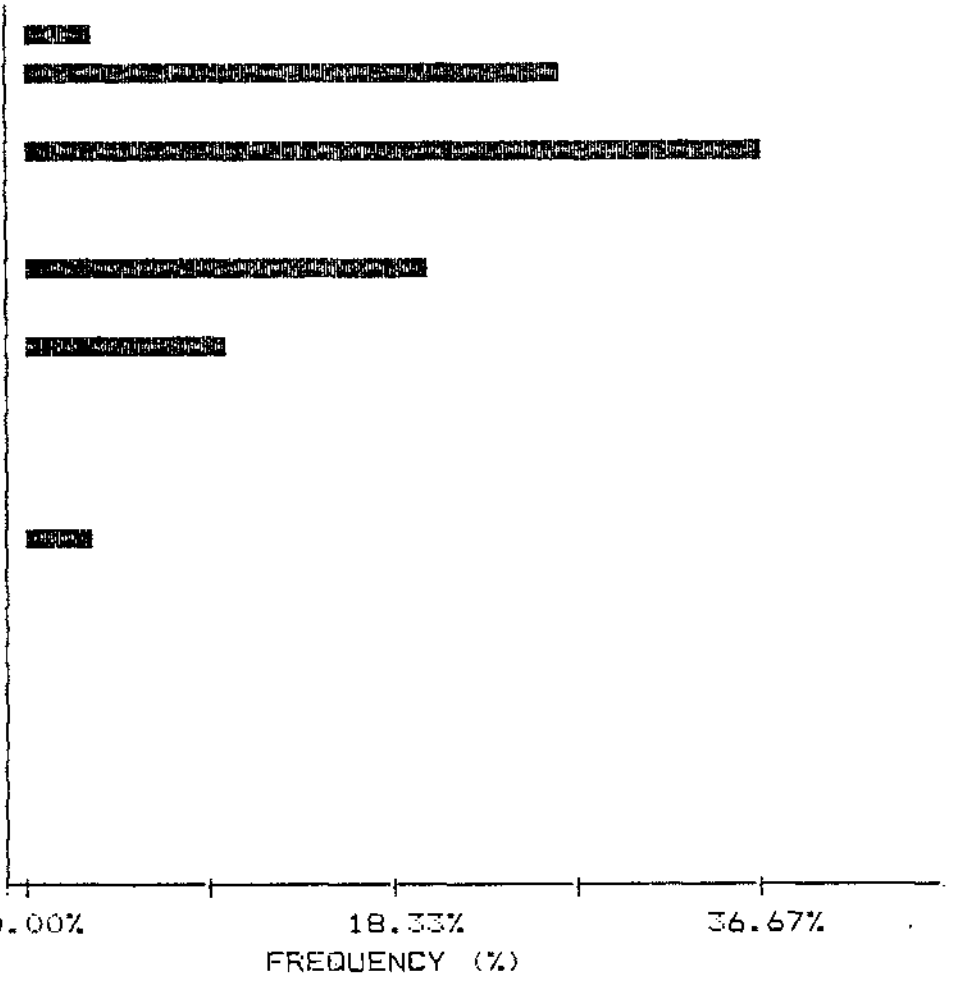
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	9.0 PPM
MINIMUM VALUE:	1.0 PPM
MEAN:	2.5 PPM
STD. DEVIATION:	1.7 PPM
COEFF. OF VARIATION:	0.7

5 HIGHEST SN VALUES:

IH176	9.0 PPM
IH168	6.0 PPM
IH149	4.0 PPM
IH151	4.0 PPM
IH157	4.0 PPM

HISTOGRAM FOR SN CLASS INTERVAL = 0.40

	MID CLASS PPM	CLASS %
<	1.00	3.33
	1.20	26.67
	1.60	0.00
	2.00	36.67
	2.40	0.00
	2.80	0.00
	3.20	20.00
	3.60	0.00
	4.00	10.00
	4.40	0.00
	4.80	0.00
	5.20	0.00
	5.60	0.00
	6.00	3.33
	6.40	0.00
	6.80	0.00
	7.20	0.00
	7.60	0.00
	8.00	0.00
	8.40	0.00
	8.80	0.00
>	9.00	0.00



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

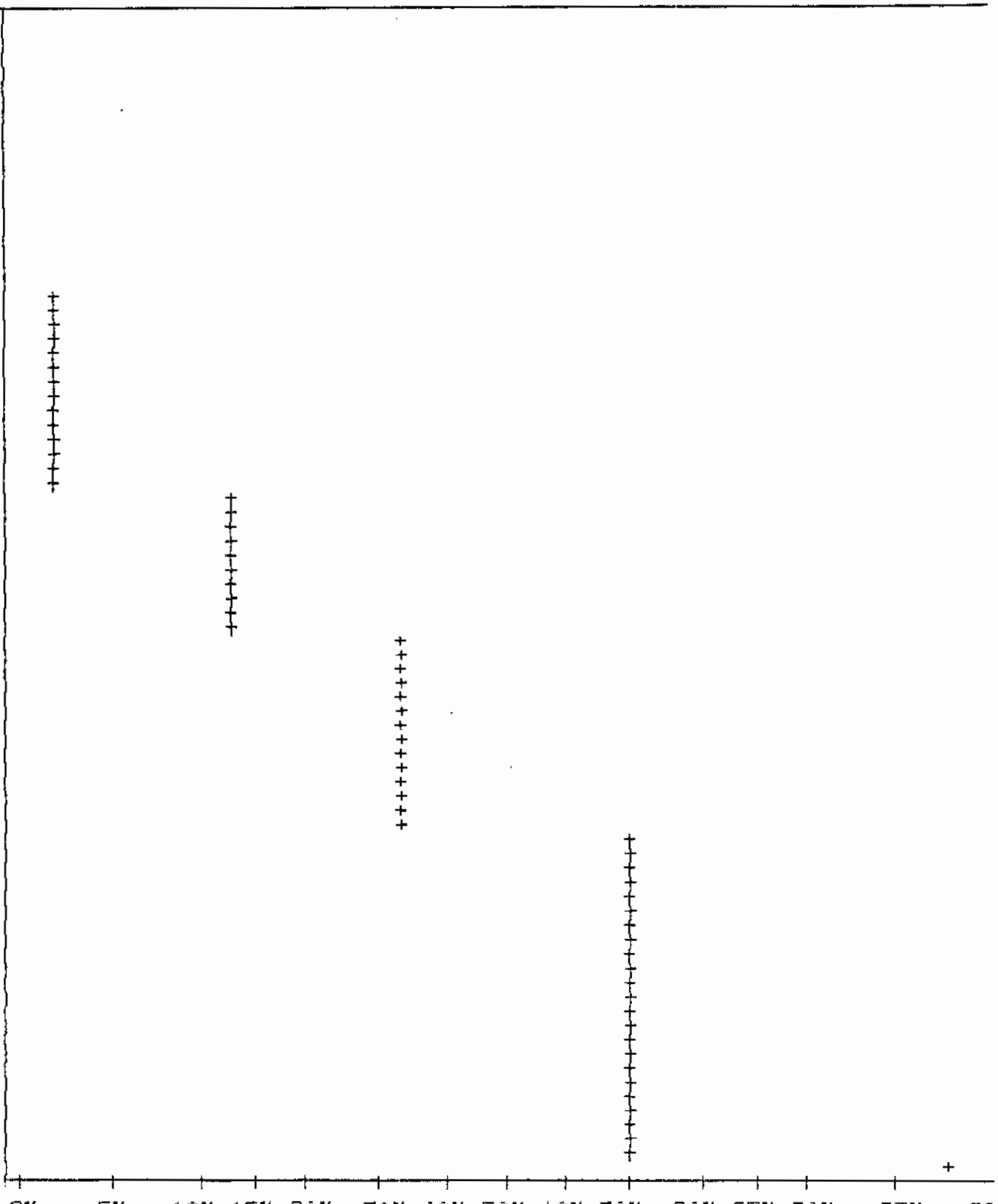
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON SN

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
8.74	0.00
8.24	0.00
7.77	0.00
7.33	0.00
6.91	0.00
6.52	0.00
6.15	0.00
5.80	3.33
5.47	3.33
5.16	3.33
4.86	3.33
4.59	3.33
4.33	3.33
4.08	3.33
3.85	13.33
3.63	13.33
3.42	13.33
3.23	13.33
3.04	13.33
2.87	33.33
2.71	33.33
2.55	33.33
2.41	33.33
2.27	33.33
2.14	33.33
2.02	33.33
1.91	70.00
1.80	70.00
1.69	70.00
1.60	70.00
1.51	70.00
1.42	70.00
1.34	70.00
1.26	70.00
1.19	70.00
1.12	70.00
1.06	70.00
1.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON K

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

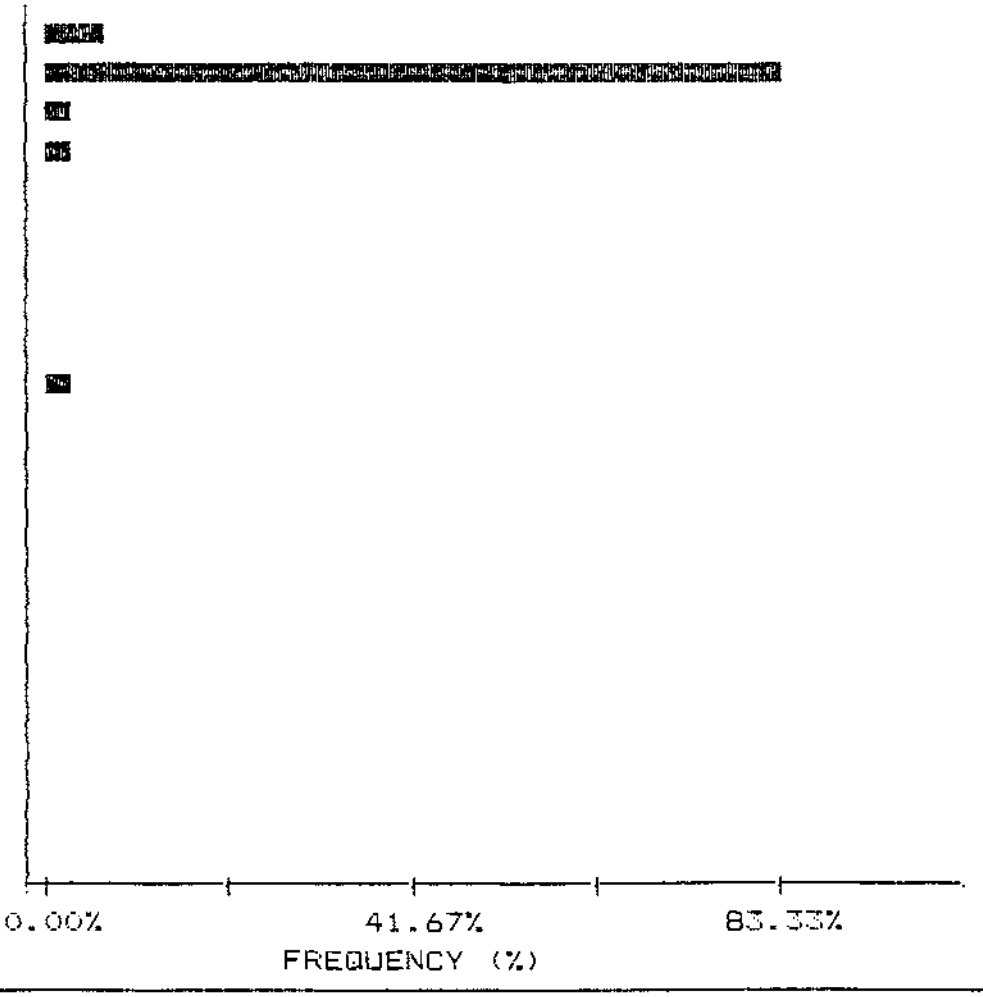
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	1420.0 PPM
MINIMUM VALUE:	290.0 PPM
MEAN:	376.3 PPM
STD. DEVIATION:	213.3 PPM
COEFF. OF VARIATION:	0.6

5 HIGHEST K VALUES:

IH169	1420.0 PPM
IH176	750.0 PPM
IH167	430.0 PPM
IH177	370.0 PPM
IH151	340.0 PPM

HISTOGRAM FOR K CLASS INTERVAL = 56.00

MID CLASS PPM	CLASS %
< 300.00	6.67
328.00	83.33
384.00	3.33
440.00	3.33
496.00	0.00
552.00	0.00
608.00	0.00
664.00	0.00
720.00	0.00
776.00	3.33
832.00	0.00
888.00	0.00
944.00	0.00
1000.00	0.00
1056.00	0.00
1112.00	0.00
1168.00	0.00
1224.00	0.00
1280.00	0.00
1336.00	0.00
1392.00	0.00
> 1420.00	0.00



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

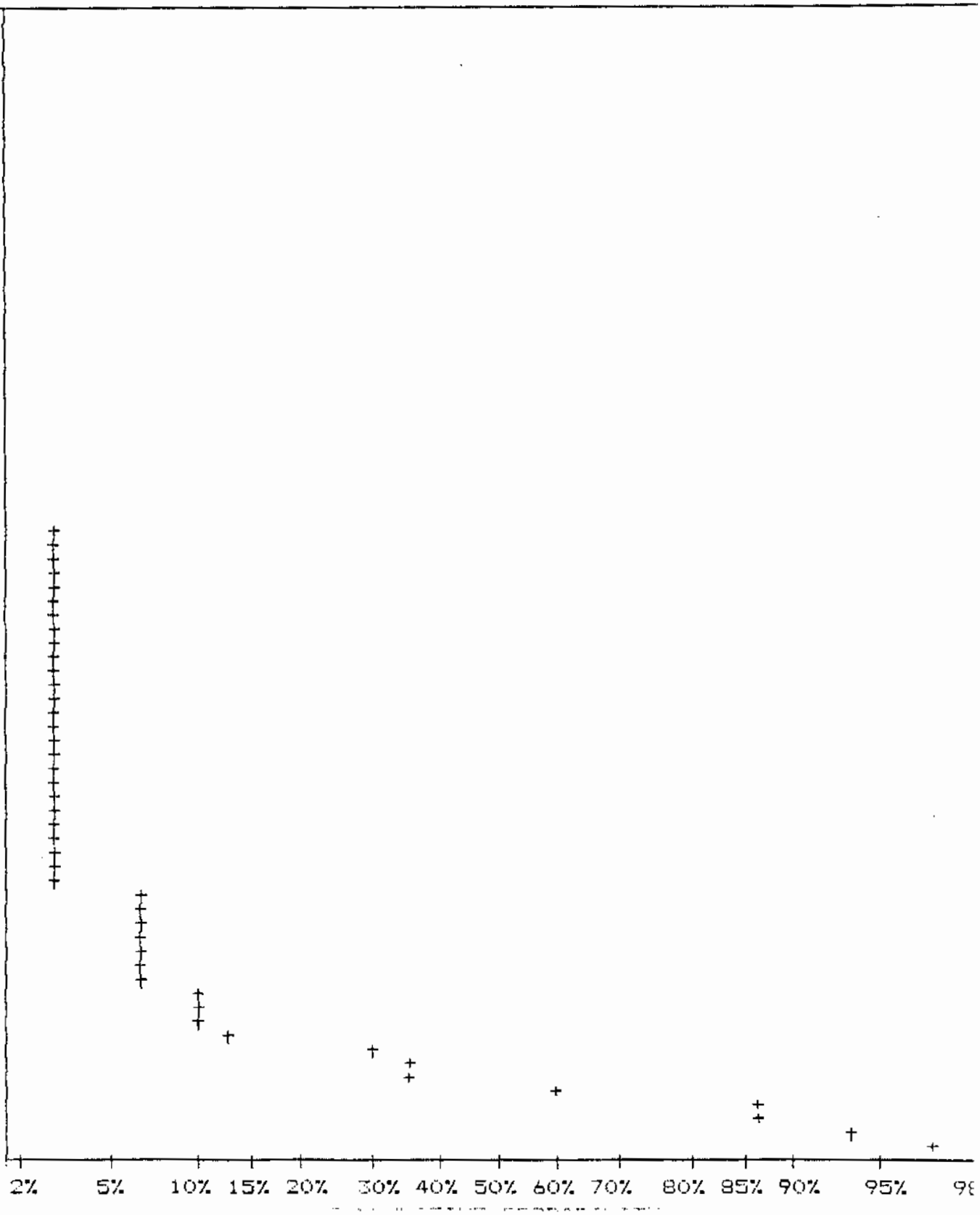
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON K

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
1390.24	0.00
1332.58	0.00
1277.31	0.00
1224.33	0.00
1173.55	0.00
1124.88	0.00
1078.22	0.00
1033.50	0.00
990.63	0.00
949.55	0.00
910.16	0.00
872.41	0.00
36.23	0.00
801.54	0.00
768.30	0.00
736.43	3.33
705.89	3.33
676.61	3.33
648.55	3.33
621.65	3.33
595.87	3.33
571.15	3.33
547.46	3.33
524.76	3.33
502.99	3.33
482.13	3.33
462.13	3.33
442.96	3.33
424.59	6.67
406.98	6.67
390.10	6.67
373.92	6.67
358.41	10.00
343.55	13.33
329.30	36.67
315.64	60.00
302.55	86.67
290.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON LI

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

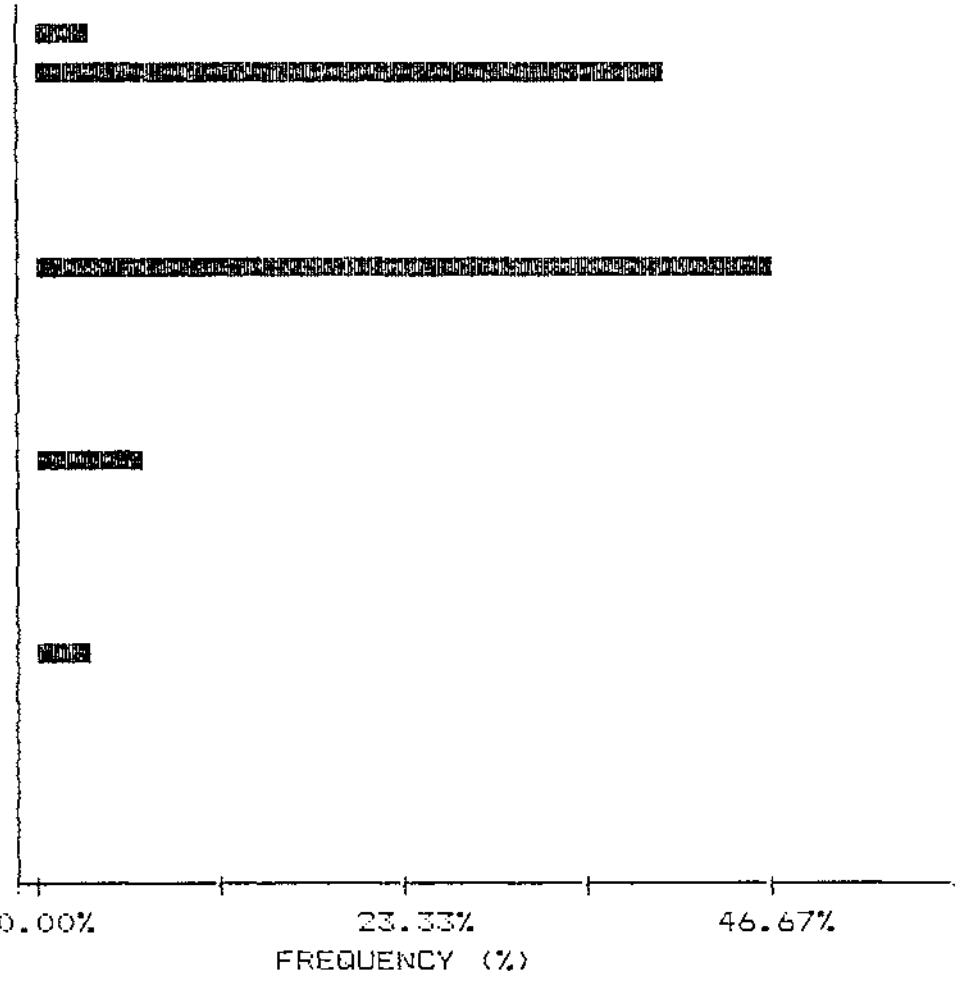
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	8.0 PPM
MINIMUM VALUE:	4.0 PPM
MEAN:	4.8 PPM
STD. DEVIATION:	0.9 PPM
COEFF. OF VARIATION:	0.2

5 HIGHEST LI VALUES:

IH158	8.0 PPM
IH176	7.0 PPM
IH149	6.0 PPM
IH169	6.0 PPM
IH148	5.0 PPM

HISTOGRAM FOR LI CLASS INTERVAL = 0.20

MID CLASS PPM	CLASS %
< 4.00	3.33
4.10	40.00
4.30	0.00
4.50	0.00
4.70	0.00
4.90	0.00
5.10	46.67
5.30	0.00
5.50	0.00
5.70	0.00
5.90	0.00
6.10	6.67
6.30	0.00
6.50	0.00
6.70	0.00
6.90	0.00
7.10	3.33
7.30	0.00
7.50	0.00
7.70	0.00
7.90	0.00
> 8.00	0.00



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

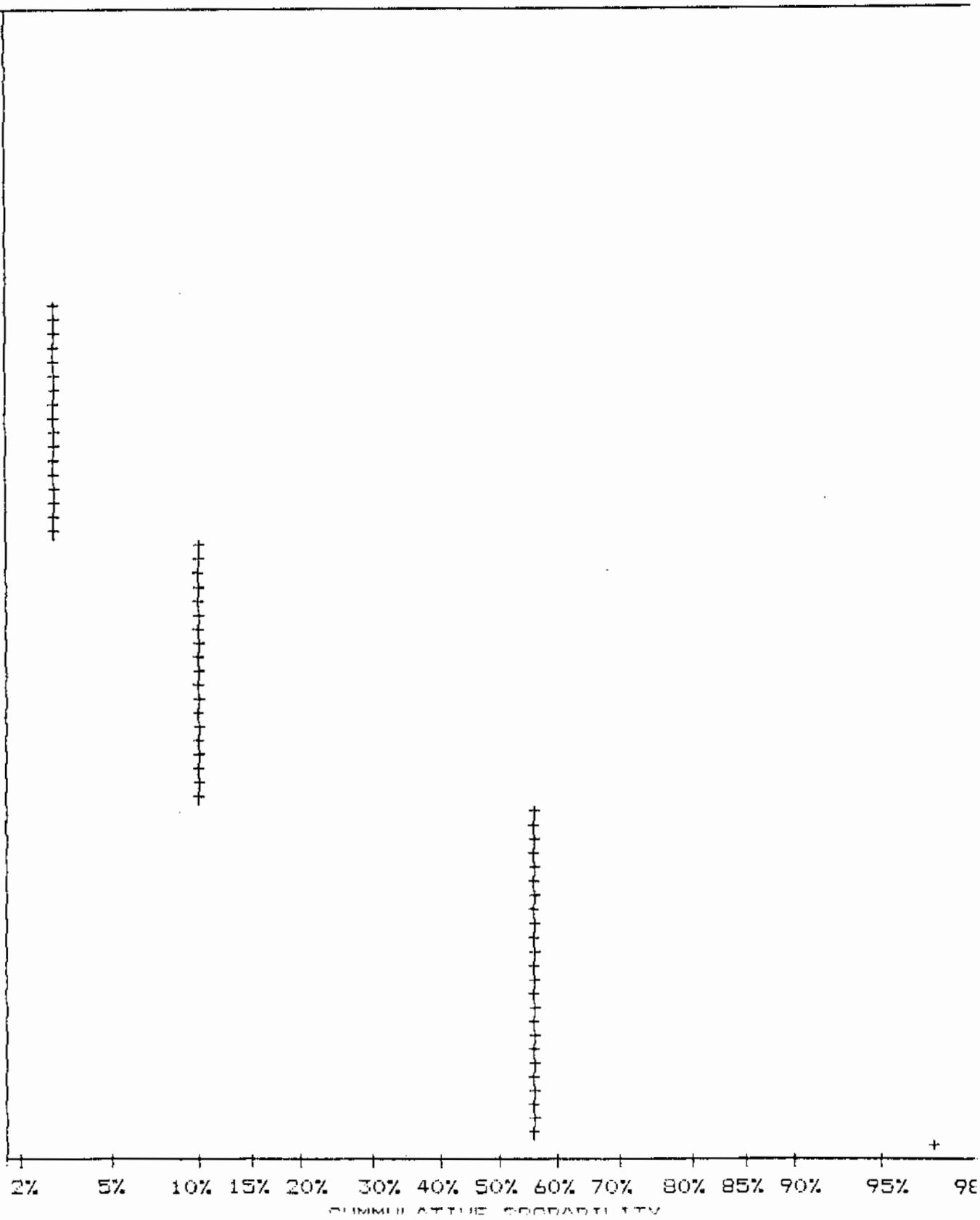
TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON LI

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
7.93	0.00
7.78	0.00
7.64	0.00
7.50	0.00
7.36	0.00
7.23	0.00
7.09	0.00
6.96	3.33
6.84	3.33
6.71	3.33
6.59	3.33
6.47	3.33
6.35	3.33
6.23	3.33
6.12	3.33
6.01	3.33
5.90	10.00
5.79	10.00
5.68	10.00
5.58	10.00
5.48	10.00
5.38	10.00
5.28	10.00
5.18	10.00
5.09	10.00
4.99	56.67
4.90	56.67
4.81	56.67
4.72	56.67
4.64	56.67
4.55	56.67
4.47	56.67
4.39	56.67
4.31	56.67
4.23	56.67
4.15	56.67
4.07	56.67
4.00	96.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE: (604)980-5814 OR (604)988-4524

STATISTICAL SUMMARY ON W

COMPANY: G.D. DIAMOND DRILLING LTD.
ATTN: J.P.LOISELLE
PROJECT: QUINSAM I
FILE#: 8-1900

DATE: NOVEMBER 9 1988
SAMPLE TYPE: ROCK
ANALYSIS TYPE: GEOCHEM

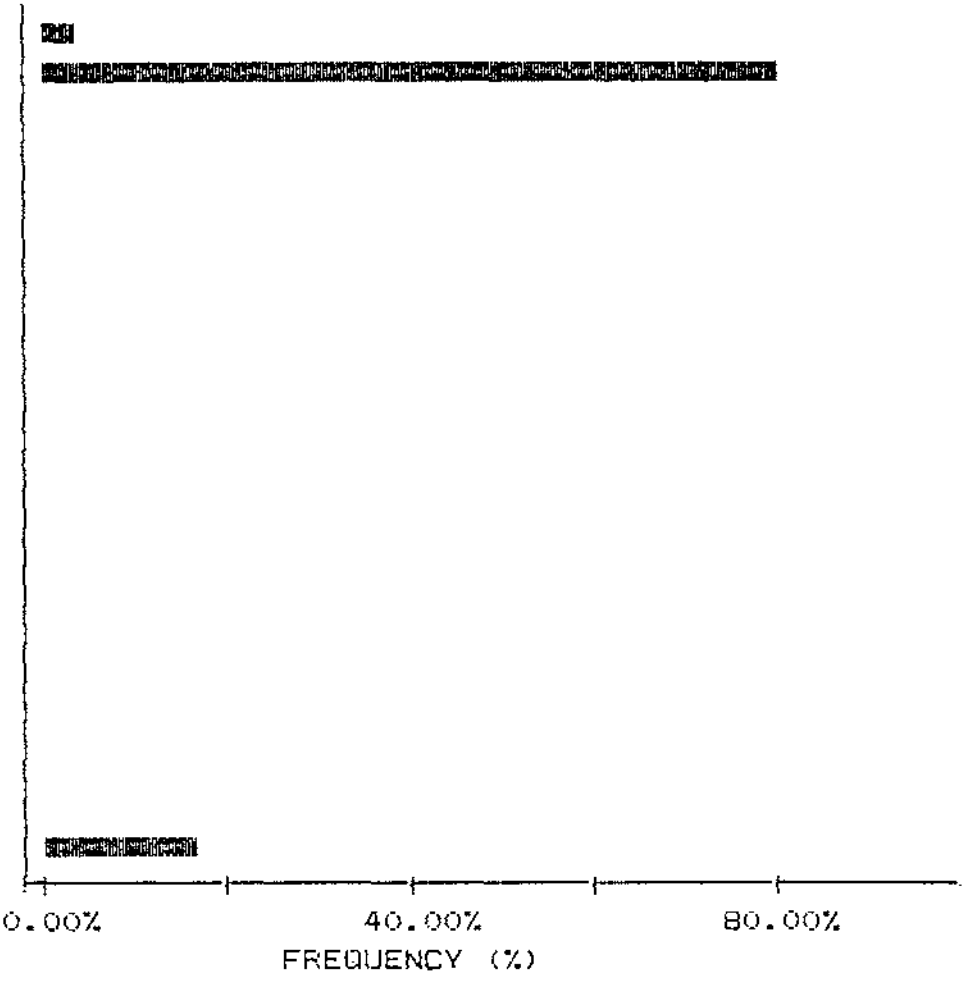
NUMBER OF SAMPLES:	30
MAXIMUM VALUE:	10.0 PPM
MINIMUM VALUE:	1.0 PPM
MEAN:	1.5 PPM
STD. DEVIATION:	1.7 PPM
COEFF. OF VARIATION:	1.1

5 HIGHEST W VALUES:

IH176	10.0 PPM
IH149	2.0 PPM
IH150	2.0 PPM
IH157	2.0 PPM
IH174	2.0 PPM

HISTOGRAM FOR W CLASS INTERVAL = 0.05

MID CLASS PPM	CLASS %
< 1.00	3.33
1.02	80.00
1.07	0.00
1.12	0.00
1.17	0.00
1.22	0.00
1.27	0.00
1.32	0.00
1.37	0.00
1.42	0.00
1.47	0.00
1.52	0.00
1.57	0.00
1.62	0.00
1.67	0.00
1.72	0.00
1.77	0.00
1.82	0.00
1.87	0.00
1.92	0.00
1.97	0.00
> 2.00	16.67



MIN-EN LABORATORIES LTD.

SPECIALISTS IN MINERAL ENVIRONMENTS

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

TELEX: USA 760167 PHONE:(604)980-5814 OR (604)988-4524

CUMMULATIVE PROBABILITY PLOT ON W

COMPANY:G.D. DIAMOND DRILLING LTD.

ATTN:J.P.LOISELLE

PROJECT:QUINSAM I

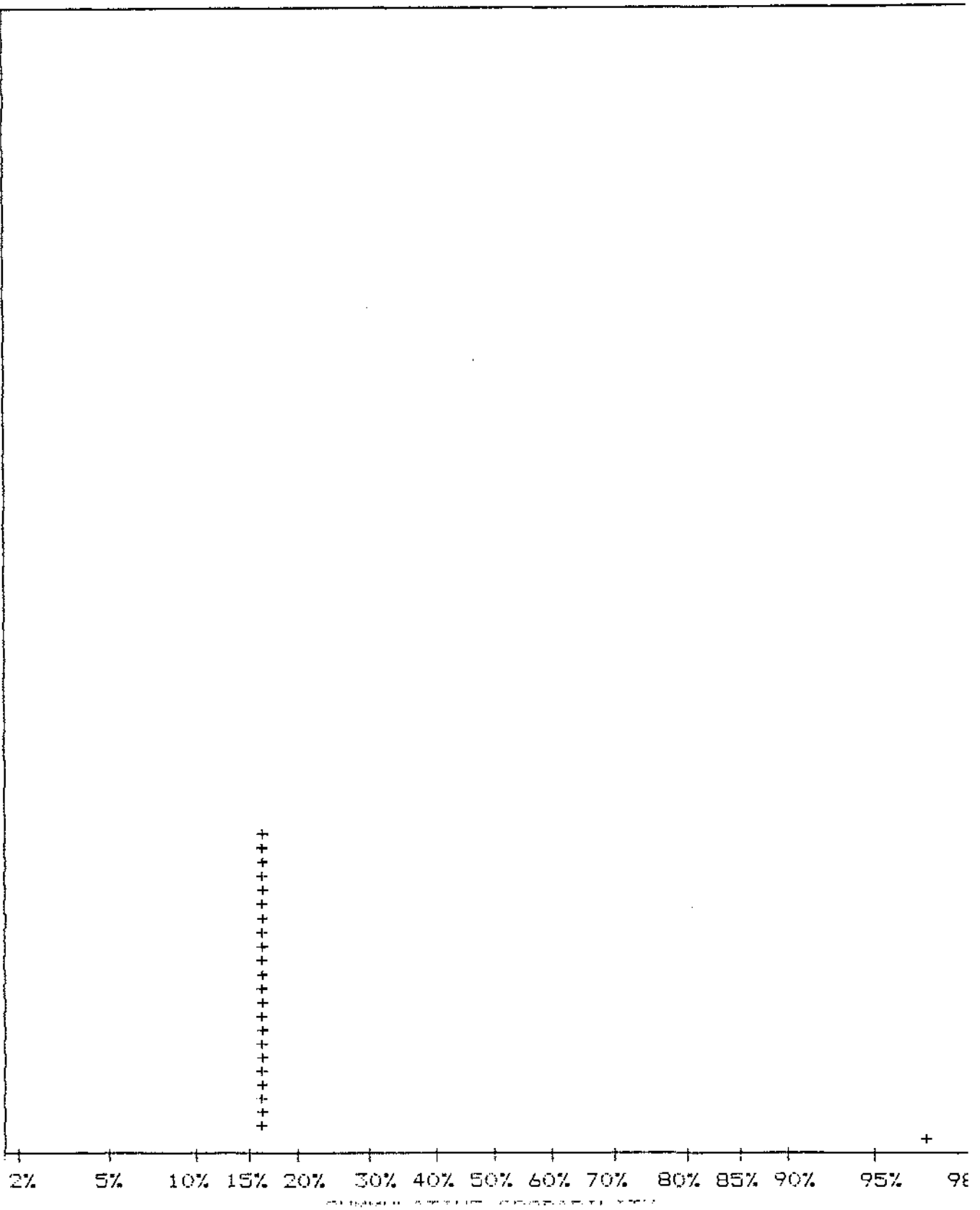
FILE#:8-1900

DATE:NOVEMBER 9 1988

SAMPLE TYPE:ROCK

ANALYSIS TYPE:GEOCHEM

UPPER LIMIT (PPM)	CUMMUL. FREQ. (%)
9.70	0.00
9.12	0.00
8.58	0.00
8.07	0.00
7.59	0.00
7.13	0.00
6.71	0.00
6.31	0.00
5.93	0.00
5.58	0.00
5.25	0.00
4.94	0.00
4.64	0.00
4.37	0.00
4.11	0.00
3.86	0.00
3.63	0.00
3.41	0.00
3.21	0.00
3.02	0.00
2.84	0.00
2.67	0.00
2.51	0.00
2.36	0.00
2.22	0.00
2.09	0.00
1.96	16.67
1.85	16.67
1.74	16.67
1.63	16.67
1.54	16.67
1.45	16.67
1.36	16.67
1.28	16.67
1.20	16.67
1.13	16.67
1.06	16.67
1.00	96.67



2.6

ANALYTICAL REPORT AND CERTIFICATE OF ANALYSIS

Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

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

PHONE (604) 984-0221

To: LORME, GUY

212 180TH A ST.
SURREY, BC
V3S 4L8

Project : QUIN-1
Comments: CC: J P LOISELLE

Date 17-AUG-88
Invoice # I-8820558
P.O. # NONE

CERTIFICATE OF ANALYSIS A8820558

SAMPLE DESCRIPTION	PREP CODE	Au oz/T	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
E.C. #065	208 238	0.008	1.69	1.0	< 5	< 10	< 0.5	24	1.86	< 0.5	28	102	7560	4.29	< 10	< 1	< 0.01	10	1.25	866
I.H. #024	208 238	0.004	4.57	0.4	20	30	< 0.5	4	2.67	< 0.5	19	18	328	3.88	10	< 1	0.10	10	0.84	561
I.H. #025	208 238	0.004	3.17	0.2	10	< 10	< 0.5	2	1.94	< 0.5	35	11	593	5.80	10	< 1	0.03	10	0.28	322
I.H. #026	208 238	0.002	2.95	0.2	45	< 10	< 0.5	< 2	2.06	< 0.5	19	11	239	2.82	< 10	< 1	0.02	10	0.29	338
I.H. #027	208 238	0.002	2.61	0.2	15	90	< 0.5	< 2	1.59	< 0.5	8	11	83	2.21	< 10	< 1	0.08	10	0.49	258
I.H. #028	208 238	0.002	0.88	52.0	1860	< 10	< 0.5	66	5.12	9.5	1065	7	>10000	>15.00	10	< 1	< 0.01	< 10	0.38	1695
I.H. #029	208 238	< 0.002	3.98	0.4	60	10	< 0.5	< 2	3.76	< 0.5	14	44	681	2.36	< 10	1	0.06	< 10	0.12	365
I.H. #030	208 238	0.002	4.19	0.2	5	10	< 0.5	< 2	5.00	< 0.5	5	34	178	1.26	< 10	< 1	0.04	< 10	0.23	660
I.H. #031	208 238	0.002	4.57	0.2	10	60	< 0.5	< 2	3.90	< 0.5	2	13	57	0.39	< 10	< 1	0.11	< 10	0.35	133
I.H. #032	208 238	< 0.002	3.33	0.2	35	50	< 0.5	< 2	2.26	< 0.5	7	7	149	2.84	10	< 1	0.05	10	0.39	226
I.H. #033	208 238	< 0.002	1.66	0.2	140	200	< 0.5	< 2	1.41	1.0	11	79	169	2.50	10	< 1	0.04	10	0.19	475
I.H. #034	208 238	0.002	5.68	0.2	15	40	< 0.5	< 2	3.27	< 0.5	64	29	706	3.60	< 10	2	0.04	10	0.16	250
I.H. #036	208 238	< 0.002	0.06	0.2	< 5	< 10	< 0.5	< 2	>15.00	< 0.5	2	9	12	0.09	< 10	< 1	< 0.01	< 10	0.01	224
I.H. #038	208 238	< 0.002	0.02	0.2	< 5	< 10	< 0.5	< 2	>15.00	< 0.5	2	6	14	0.07	< 10	< 1	< 0.01	< 10	0.02	106
I.H. #039	208 238	0.058	1.38	4.0	215	10	< 0.5	46	10.10	21.0	239	61	3570	10.10	< 10	< 1	< 0.01	< 10	0.16	9130
I.H. #042	208 238	0.002	0.05	0.2	5	< 10	< 0.5	< 2	>15.00	< 0.5	3	5	39	0.20	< 10	< 1	< 0.01	< 10	0.05	221
I.H. #043	208 238	< 0.002	0.28	0.2	< 5	< 10	< 0.5	< 2	2.45	< 0.5	106	4	415	>15.00	30	< 1	0.01	10	0.27	2130
I.H. #057	208 238	< 0.002	0.63	0.2	15	< 10	< 0.5	< 2	>15.00	< 0.5	3	31	15	12.55	< 10	< 1	0.01	< 10	0.15	2620
I.H. #058	208 238	0.040	0.77	0.2	600	< 10	< 0.5	8	5.71	1.0	15	120	56	8.23	< 10	< 1	< 0.01	< 10	0.32	959
I.H. #060	208 238	0.002	4.76	0.2	70	10	< 0.5	< 2	13.25	0.5	6	67	94	0.72	< 10	< 1	0.02	< 10	0.33	212
I.R. #001	208 238	0.016	< 0.01	29.0	130	20	< 0.5	< 2	0.52	2.0	174	22	>10000	>15.00	10	< 1	0.01	< 10	0.04	318
I.R. #002	208 238	0.004	0.03	8.8	20	20	< 0.5	< 2	0.71	< 0.5	63	4	>10000	>15.00	20	< 1	0.02	< 10	0.05	312
I.R. #003	208 238	0.002	0.06	1.6	130	410	< 0.5	4	4.95	< 0.5	50	12	7390	>15.00	30	< 1	0.03	< 10	1.08	1690
I.R. #005	208 238	0.004	0.69	5.6	45	30	< 0.5	8	9.04	< 0.5	6	30	5370	>15.00	10	< 1	< 0.01	< 10	0.07	1220
I.R. #006	208 238	0.004	0.50	1.2	35	20	< 0.5	18	9.97	0.5	38	24	6660	>15.00	10	< 1	0.01	< 10	0.13	1725
I.R. #007	208 238	0.010	0.67	11.4	35	10	< 0.5	20	7.19	0.5	26	18	>10000	>15.00	20	< 1	< 0.01	< 10	0.08	1135
I.R. #008	208 238	< 0.002	1.38	0.2	25	20	< 0.5	6	2.52	< 0.5	10	33	438	3.08	< 10	< 1	< 0.01	10	1.45	1060
I.R. #009	208 238	0.002	1.16	0.6	135	30	< 0.5	2	5.88	< 0.5	68	16	3450	>15.00	20	< 1	0.01	< 10	0.24	2970
I.R. #010	208 238	0.002	0.31	3.8	< 5	< 10	< 0.5	< 2	4.70	1.0	114	7	9850	>15.00	30	< 1	0.01	< 10	0.18	1130
I.R. #011	208 238	0.004	0.19	6.0	< 5	10	< 0.5	< 2	1.24	< 0.5	67	< 1	8510	>15.00	30	< 1	0.01	10	0.07	556
I.R. #012	208 238	0.002	0.44	1.4	< 5	< 10	< 0.5	< 2	3.02	< 0.5	36	4	8780	>15.00	30	< 1	0.01	< 10	0.09	1155
I.R. #013	208 238	< 0.002	2.25	0.2	30	20	< 0.5	12	7.72	< 0.5	14	92	3760	6.58	< 10	< 1	< 0.01	< 10	0.75	2780
I.R. #014	208 238	0.002	0.46	2.4	15	10	< 0.5	< 2	3.03	< 0.5	45	5	4620	>15.00	30	< 1	0.01	< 10	0.09	1300
I.R. #015	208 238	0.002	0.91	1.2	15	20	< 0.5	8	5.15	< 0.5	113	15	8950	>15.00	20	< 1	< 0.01	< 10	0.13	2910
I.R. #016	208 238	0.008	0.39	13.0	120	20	< 0.5	6	3.59	0.5	136	13	>10000	>15.00	30	< 1	< 0.01	< 10	0.06	808
I.R. #017	208 238	< 0.002	1.46	0.2	10	10	< 0.5	2	11.60	< 0.5	9	54	440	7.92	< 10	< 1	< 0.01	< 10	0.19	2050
I.R. #018	208 238	0.008	0.18	0.2	70	< 10	< 0.5	8	10.60	< 0.5	19	20	231	8.97	< 10	< 1	< 0.01	< 10	0.26	1530
I.R. #019	208 238	< 0.002	2.43	0.2	30	30	< 0.5	< 2	>15.00	< 0.5	17	42	58	14.40	< 10	< 1	< 0.01	< 10	0.22	3060
I.R. #020	208 238	< 0.002	1.33	0.2	< 5	< 10	< 0.5	2	14.20	< 0.5	8	89	57	10.65	< 10	< 1	< 0.01	< 10	0.13	1900
I.R. #021	208 238	0.002	1.32	0.2	115	40	< 0.5	< 2	14.30	< 0.5	7	52	24	>15.00	< 10	< 1	0.01	< 10	0.13	2430

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY BC CERTIFIED ASSAYERS

CERTIFICATION : BC

Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

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

PHONE (604) 984-0221

To: DELORME, GUY

212 180TH A ST.
SURREY, BC
V3S 4L8

Project: QUIN-1
Comments: CC: J P LOISELLE

**Page No. : 1-B
Tot. : 2
Date : 17-AUG-88
Invoice # : I-8820558
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8820558

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
E.C. #065	208 238	< 1	< 0.01	33	110	2	< 5	8	8	0.01	< 10	< 10	82	< 5	43
I.H. #024	208 238	2	0.41	3	450	< 2	< 5	3	270	0.15	< 10	< 10	93	< 5	24
I.H. #025	208 238	5	0.13	6	540	< 2	< 5	2	122	0.06	< 10	< 10	25	< 5	7
I.H. #026	208 238	7	0.08	4	550	< 2	< 5	2	92	0.11	< 10	< 10	34	< 5	7
I.H. #027	208 238	1	0.10	< 1	620	< 2	< 5	2	228	0.17	< 10	< 10	62	< 5	8
I.H. #028	208 238	9	< 0.01	1170	< 10	< 2	5	5	4	0.04	30	< 10	27	< 5	586
I.H. #029	208 238	7	0.06	27	1600	< 2	< 5	4	80	0.17	< 10	< 10	94	< 5	31
I.H. #030	208 238	< 1	0.09	6	670	< 2	< 5	3	91	0.29	< 10	< 10	39	< 5	19
I.H. #031	208 238	< 1	0.19	< 1	610	< 2	< 5	3	162	0.19	< 10	< 10	58	< 5	19
I.H. #032	208 238	3	0.14	< 1	570	< 2	< 5	2	129	0.22	< 10	< 10	50	< 5	6
I.H. #033	208 238	9	0.12	53	420	2	< 5	3	129	0.24	< 10	< 10	41	< 5	159
I.H. #034	208 238	3	0.80	9	420	4	5	2	362	0.19	< 10	< 10	29	< 5	36
I.H. #036	208 238	< 1	0.01	< 1	80	< 2	< 5	< 1	169	< 0.01	< 10	< 10	< 1	< 5	2
I.H. #038	208 238	< 1	0.01	1	< 10	< 2	< 5	< 1	409	< 0.01	< 10	< 10	< 1	< 5	4
I.H. #039	208 238	1	0.01	25	230	42	< 5	3	7	0.03	< 10	< 10	18	< 5	2150
I.H. #042	208 238	< 1	< 0.01	1	50	< 2	< 5	1	749	< 0.01	< 10	< 10	< 1	< 5	29
I.H. #043	208 238	< 1	0.01	50	< 10	< 2	10	3	5	< 0.01	20	< 10	< 1	< 5	157
I.H. #057	208 238	4	0.01	2	90	< 2	5	1	< 1	< 0.01	< 10	10	2	< 5	14
I.H. #058	208 238	35	< 0.01	2	60	8	< 5	1	5	0.01	< 10	< 10	6	< 5	234
I.H. #060	208 238	2	0.06	37	160	< 2	< 5	4	87	0.08	< 10	< 10	32	< 5	122
I.R. #001	208 238	10	0.01	157	< 10	< 2	10	4	2	< 0.01	20	< 10	< 1	< 5	395
I.R. #002	208 238	2	0.02	61	< 10	< 2	5	3	5	< 0.01	20	< 10	< 1	120	138
I.R. #003	208 238	< 1	0.02	91	< 10	< 2	15	2	100	< 0.01	10	10	85	< 5	141
I.R. #005	208 238	13	0.01	10	50	< 2	5	2	< 1	0.01	< 10	< 10	16	< 5	72
I.R. #006	208 238	9	0.01	22	< 10	< 2	5	2	4	< 0.01	< 10	< 10	11	< 5	81
I.R. #007	208 238	13	< 0.01	25	< 10	< 2	10	3	< 1	0.01	10	10	12	< 5	212
I.R. #008	208 238	3	0.01	19	610	< 2	< 5	2	140	0.11	< 10	< 10	28	< 5	29
I.R. #009	208 238	< 1	0.01	41	210	< 2	10	4	< 1	0.02	< 10	< 10	15	< 5	113
I.R. #010	208 238	< 1	0.01	56	< 10	< 2	10	3	14	0.01	20	10	10	< 5	178
I.R. #011	208 238	4	0.01	50	< 10	< 2	10	3	< 1	0.02	20	< 10	9	< 5	136
I.R. #012	208 238	< 1	0.01	36	< 10	< 2	5	2	< 1	0.01	10	< 10	10	< 5	62
I.R. #013	208 238	7	0.01	29	420	< 2	< 5	4	7	0.04	< 10	< 10	28	< 5	74
I.R. #014	208 238	< 1	0.01	18	110	< 2	10	3	1	0.01	10	< 10	15	< 5	99
I.R. #015	208 238	< 1	0.01	49	240	< 2	5	5	3	0.05	< 10	< 10	33	< 5	142
I.R. #016	208 238	16	0.01	164	< 10	2	10	3	< 1	0.01	20	< 10	9	< 5	296
I.R. #017	208 238	5	0.01	18	790	< 2	< 5	2	2	0.01	< 10	< 10	38	< 5	16
I.R. #018	208 238	< 1	0.01	71	100	< 2	< 5	1	11	< 0.01	< 10	< 10	2	< 5	23
I.R. #019	208 238	< 1	< 0.01	69	360	< 2	5	5	4	0.01	< 10	< 10	217	5	29
I.R. #020	208 238	4	0.01	9	830	< 2	< 5	4	< 1	0.01	< 10	< 10	311	< 5	15
I.R. #021	208 238	1	0.01	11	290	4	10	5	10	0.03	< 10	10	271	10	28

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

CERTIFICATION :

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

To: FLORME, GUY
,212 180TH A ST.
SURREY, BC
V3S 4L8
Project :
Comments: CC: J.P. LOISELLE

**Page No. : -A
Tot. : 1
Date : 22-AUG-88
Invoice # : I-8821045
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8821045

SAMPLE DESCRIPTION	PREP CODE		Au oz/T	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
IM #069	208	238	0.020	0.89	1.6	275	< 10	0.5	16	2.52	6.0	23	80	892	8.02	< 10	< 1	< 0.01	10	0.47	808
MIM #070	208	238	< 0.002	5.05	0.4	20	30	1.0	20	2.17	< 0.5	23	15	139	6.37	20	1	0.37	20	1.72	949
BC #074	208	238	0.018	2.69	24.4	3870	30	3.5	< 2	1.91	4.5	2980	22	>10000	>15.00	30	< 1	0.19	10	0.91	881
BC #075	208	238	< 0.002	0.77	1.2	125	10	< 0.5	< 2	1.80	< 0.5	113	32	3330	4.02	< 10	< 1	0.02	20	0.09	1125
BC #076	208	238	0.006	2.68	11.0	3920	50	1.5	< 2	2.82	2.5	2850	43	>10000	11.30	20	1	0.27	20	1.01	1045
BC #077	208	238	< 0.002	1.83	2.6	145	< 10	0.5	< 2	1.81	1.5	165	49	>10000	5.81	30	< 1	0.05	20	0.84	702
BC #078	208	238	< 0.002	3.19	6.6	25	20	1.0	< 2	2.38	< 0.5	84	68	>10000	10.70	30	< 1	0.13	20	1.63	1260
BC #079	208	238	0.026	3.29	1.4	>10000	50	1.0	40	4.24	0.5	>10000	55	2710	9.50	10	8	0.33	10	1.39	1250
BC #080	208	238	< 0.002	3.47	2.4	345	60	2.0	< 2	3.97	2.0	301	25	6080	12.45	20	< 1	0.43	10	1.24	1495
BC #081	208	238	< 0.002	5.39	0.6	65	100	2.0	14	5.03	< 0.5	87	244	1785	13.35	10	< 1	0.51	10	3.00	1825
BC #082	208	238	0.002	3.44	5.2	50	10	1.5	< 2	3.89	3.0	165	72	>10000	11.70	30	< 1	0.07	20	2.02	1605
BC #104	208	238	< 0.002	3.80	0.2	10	< 10	< 0.5	14	1.00	< 0.5	38	122	377	6.63	< 10	< 1	< 0.01	10	3.09	1245
BC #105	208	238	< 0.002	3.26	4.6	10	< 10	0.5	< 2	3.02	1.5	62	111	5010	6.93	20	1	0.05	20	2.72	1135
BC #106	208	238	< 0.002	2.53	1.6	10	10	< 0.5	< 2	1.45	< 0.5	44	105	1815	4.84	20	< 1	0.02	10	1.95	784

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

CERTIFICATION :

Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

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

PHONE (604) 984-0221

To DELORME, GUY

212 180TH A ST.
SURREY, BC
V3S 4L8

Project :

Comments: CC: J P LOISELLE

Date .22-AUG-88
Invoi :I-8821045
P.O. # :NONE

CERTIFICATE OF ANALYSIS A8821045

SAMPLE DESCRIPTION	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
IM #069	208	238	27	< 0.01	7	< 10	324	< 5	1	5	< 0.01	< 10	< 10	25	10	910
MIM #070	208	238	12	0.05	10	320	84	< 5	8	51	0.17	< 10	< 10	86	< 5	167
EC #074	208	238	24	0.15	287	< 10	60	5	6	7	0.07	< 10	< 10	62	430	481
EC #075	208	238	1	0.02	15	2090	90	< 5	2	56	0.08	< 10	< 10	8	< 5	106
EC #076	208	238	14	0.27	245	< 10	210	< 5	12	19	0.28	< 10	< 10	135	120	288
EC #077	208	238	< 1	0.07	56	690	62	< 5	11	48	0.60	< 10	< 10	155	25	258
EC #078	208	238	3	0.17	53	2090	52	< 5	12	25	0.55	< 10	< 10	154	65	236
EC #079	208	238	28	0.32	527	2410	60	5	13	49	0.23	20	< 10	158	< 5	126
EC #080	208	238	6	0.33	86	1860	36	5	8	24	0.29	10	< 10	63	40	188
EC #081	208	238	4	0.49	183	900	58	< 5	19	28	0.19	< 10	< 10	100	35	149
EC #082	208	238	3	0.08	57	770	40	< 5	11	107	0.45	10	< 10	154	60	203
EC #104	208	238	1	< 0.01	38	350	24	< 5	11	13	0.05	< 10	< 10	196	< 5	153
EC #105	208	238	1	0.01	46	240	32	< 5	17	65	0.52	10	< 10	199	20	140
EC #106	208	238	1	0.03	33	430	66	< 5	13	28	0.72	10	< 10	173	< 5	107

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

CERTIFICATION :

COMPANY: G.D.DIAMOND DRILLING LTD. MIN-EN LABS ICP REPORT (ACT:F31) PAGE 1 OF 3
PROJECT NO: QUISAM I 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 FILE NO: 8-1900/P1+2
ATTENTION: G.DELORME (604)980-5814 OR (604)988-4524 * TYPE ROCK GEOCHEM * DATE:NOVEMBER 2, 1988

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
IH147	2.5	9340	833	5	1	.1	3	139820	79.7	792	5435	185680
IH148	.5	24090	47	8	1	.7	7	125900	1.2	73	13	75940
IH149	.7	28190	1397	12	1	.8	13	85130	7.2	1007	98	35380
IH150	.9	1540	1	12	1	.4	3	149430	1.6	37	3211	161220
IH151	3.8	4860	1	5	2	1.2	5	58050	54.7	89	7000	353750
IH152	.4	750	1	1	1	.6	4	148340	.9	2	23	157190
IH153	.3	490	35	1	1	.1	4	137960	1.7	10	141	139750
IH154	1.0	1060	24	2	1	.3	5	131290	4.8	42	1118	153050
IH155	1.1	8020	19	3	3	1.8	7	41270	2.6	496	2230	275680
IH156	1.1	5840	7	2	1	2.0	1	82880	.1	80	7490	276350
IH157	24.1	2120	62	1	1	.2	2	100050	9.9	204	45597	179270
IH158	.8	27890	325	8	1	.9	5	98870	1.2	18	436	108370
IH159	.6	590	537	9	2	.2	5	122790	2.4	26	1557	167000
IH160	.5	4260	1	1	1	.6	2	147190	2.3	5	14	119660
IH161	.4	2600	1	1	1	.2	3	123900	1.8	17	1522	166920
IH162	.8	4810	8	10	2	.3	1	148350	.9	4	13	163790
IH163	.4	1500	5	1	1	.1	3	142510	.9	7	13	143610
IH164	.5	5270	15	1	1	.8	3	67690	1.2	43	12	115500
IH165	.7	2310	1	1	1	.4	3	143630	1.4	11	12	145210
IH166	9.6	11020	78	5	2	2.1	12	61670	2.8	188	13150	292610
IH167	.4	8360	156	2	2	2.3	5	44860	2.4	37	107	213520
IH168	21.0	16280	178	9	1	.9	21	56630	9.2	234	55391	91530
IH169	.4	18040	1	2	14	.6	5	110780	1.4	9	135	27200
IH170	.5	5490	38	1	1	.6	2	140910	.4	4	366	136540
IH172	7.1	2190	1	5	5	1.1	18	74320	7.1	639	20900	366440
IH173	.7	4900	20	1	1	.4	2	154870	.4	16	75	141800
IH174	.8	17340	38	4	2	.6	2	167800	.3	6	54	127120
IH176	1.0	70270	46	23	26	1.3	27	102470	1.2	29	25	33040
IH177	.9	15280	2	3	1	.2	5	116740	1.1	14	12	164920
SC107	.3	19340	7	5	2	.6	6	116050	.2	87	5160	137090
SC 137	.5	17450	1	6	21	.2	4	46290	1.3	23	306	78800
SC 178	.6	16670	12	6	2	1.1	7	112240	1.5	7	13	104930
IH-175	.4	13130	31	5	2	.9	6	84310	.1	7	11	111860

COMPANY: G.D.DIAMOND DRILLING LTD. | MIN-EN LABS ICP REPORT | (ACT:F31) PAGE 2 OF 3

PROJECT NO: QUISAM I | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 8-1900/P1+2

ATTENTION: G.DELORME | (604)930-5814 OR (604)988-4524 | * TYPE ROCK GEOCHEM * | DATE:NOVEMBER 2, 1988

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
IH147	350	5	1660	3566	14	50	10	210	121	1	5	1
IH148	320	5	2090	4035	3	50	3	290	30	1	1	1
IH149	310	6	2330	4539	7	70	67	710	43	1	1	1
IH150	310	4	920	6130	14	50	1	170	38	2	3	1
IH151	340	4	1340	2109	5	90	2	250	30	1	2	1
IH152	320	4	800	4601	2	30	3	210	24	6	4	1
IH153	310	4	900	4346	1	30	4	180	23	1	4	1
IH154	320	4	960	9062	1	40	1	190	41	1	3	1
IH155	340	5	4710	2192	44	80	110	360	13	1	3	3
IH156	330	4	1630	2397	14	90	11	300	16	6	3	1
IH157	310	5	2080	3315	3	40	8	1430	152	2	5	1
IH158	310	8	10620	3234	1	50	3	430	45	2	3	1
IH159	310	4	890	2688	2	50	4	110	33	3	1	1
IH160	340	5	3080	3352	3	40	5	100	24	3	3	1
IH161	320	4	1080	4384	8	50	5	160	29	1	2	1
IH162	330	5	1220	2582	6	60	3	190	19	7	4	1
IH163	300	4	1320	2791	3	40	2	120	17	6	3	1
IH164	300	5	6660	1898	4	60	1	120	32	1	2	1
IH165	320	4	1660	2621	2	30	3	160	19	1	4	1
IH166	340	5	4100	1890	2	100	2	500	149	1	5	1
IH167	430	5	3460	1272	2	90	1	210	29	8	2	1
IH168	310	5	1840	1843	4	70	255	1520	127	6	1	1
IH169	1420	6	2360	4622	6	90	10	100	27	1	3	1
IH170	320	5	2090	2453	2	40	5	260	12	5	1	1
IH172	340	4	1160	1863	4	50	3	600	33	8	6	1
IH173	310	5	2520	2507	1	40	1	90	16	1	2	1
IH174	320	5	2900	3860	3	30	1	1020	18	3	5	1
IH176	750	7	2630	1845	15	2250	66	750	11	6	73	1
IH177	370	5	3380	3216	1	160	6	340	20	7	1	1
SC107	790	5	5530	2098	1	440	2	1150	30	6	3	1
SC 137	1790	6	2850	1632	2	1070	3	750	12	1	5	1
SC 178	300	4	1260	2727	1	60	5	2490	18	4	1	2
IH-175	290	4	1350	2279	2	70	1	230	21	1	1	1

PROJECT NO: QUISAM I 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 FILE NO: 8-1900/P1+2
ATTENTION: G.DELORME (604)980-5814 OR (604)988-4524 # TYPE ROCK GEOCHEM # DATE:NOVEMBER 2, 1988

(VALUES IN PPM)	U	V	ZN	GA	SN	W	CR	AU-PPB
IH147	17	14.6	4626	1	3	1	97	710
IH148	3	38.7	45	1	3	1	116	10
?	9	61.3	108	1	4	2	172	90
1	15	7.8	415	1	2	2	89	455
IH151	14	16.1	4886	8	4	1	47	90
IH152	13	6.7	30	1	2	1	107	5
IH153	12	5.4	91	1	1	1	73	5
IH154	17	6.4	676	1	2	1	80	20
IH155	12	34.7	97	8	1	1	143	140
IH156	2	17.8	70	5	2	1	55	160
IH157	16	9.7	605	1	4	2	95	220
IH158	4	58.3	196	3	3	1	79	810
IH159	12	7.7	86	1	3	1	120	1450
IH160	5	7.0	16	1	2	1	67	60
IH161	10	7.8	153	5	2	1	84	10
IH162	15	5.5	11	3	2	1	82	40
IH163	14	4.8	9	1	2	1	74	50
IH164	5	10.7	28	1	1	1	84	195
IH165	16	5.2	11	1	2	1	74	340
IH166	13	63.8	342	8	1	1	88	190
IH167	13	26.6	78	2	2	1	104	480
IH168	9	64.9	169	1	6	1	178	160
IH169	1	19.9	20	1	1	1	116	10
IH170	16	7.5	14	1	2	1	96	90
IH172	1	9.9	2212	3	1	1	64	170
IH173	16	7.0	42	1	1	1	76	170
IH174	14	12.3	34	1	3	2	74	130
?	12	218.2	26	1	9	10	279	50
1	10	84.3	41	1	3	1	83	80
SC107	4	56.0	37	2	2	1	76	50
SC 137	1	28.7	32	1	1	2	62	5
SC 178	1	27.4	15	3	2	1	77	5
IH-175	1	9.1	20	2	1	2	72	10

(PPM)	EC121	EC122	EC127	EC128
AG	9.1	11.7	9.2	3.3
[illegible]	5650	21820	33740	9070
[illegible]	25	13	8	8
B	3	9	11	3
BA	1	5	4	6
BE	1.0	1.3	1.3	.7
BI	1	11	15	1
CA	24150	20700	19350	17600
CD	6.4	8.5	7.3	3.8
CO	129	103	103	65
CU	24179	17034	14954	7187
FE	63110	67780	92570	39620
K	460	460	580	500
LI	8	10	9	9
MG	2180	14590	25880	2990
MN	769	909	1331	1354
MO	3	2	4	6
NA	220	250	210	360
NI	107	40	57	25
P	1540	1290	1100	1660
[illegible]	88	127	33	31
[illegible]	5	6	1	2
SR	24	13	8	21
TH	1	1	1	1
U	1	1	2	1
V	42.5	189.5	212.6	67.6
ZN	133	407	208	142
GA	1	1	5	1
SN	3	5	1	4
W	1	1	1	1
CR	95	228	182	112
AU-PPB	370	200	25	65

Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

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

PHONE (604) 984-0221

To: DELORME, GUY

6212 180TH A ST.
SURREY, BC
V3S 4L8

Project : QUIN-1
Comments: CC: J.P LOISELLE

Date : 17-AUG-88
Invoice # : I-8820558
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8820558

SAMPLE DESCRIPTION	PREP CODE	Au oz/T	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
I.R. #022L.M. #06	208 238	< 0.002	3.79	0.2	< 5	20	< 0.5	4	1.96	< 0.5	20	87	99	6.54	10	< 1	0.01	10	1.32	1310
N.U.Q. #066	208 238	0.002	0.20	0.2	< 5	< 10	< 0.5	< 2	0.26	< 0.5	4	12	262	>15.00	10	< 1	0.01	< 10	0.10	462
S.C.S. #067	208 238	< 0.002	1.53	0.2	< 5	10	< 0.5	< 2	0.87	< 0.5	34	33	1470	>15.00	20	< 1	0.05	< 10	0.65	943
S.C.S. #068	208 238	< 0.002	0.98	0.2	< 5	10	< 0.5	< 2	0.53	< 0.5	19	11	46	>15.00	20	< 1	0.03	< 10	0.41	556

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

To: DELORME, GUY

6212 180TH A ST.
SURREY, BC
V3S 4L8

Project : QUIN-1
Comments: CC: J P LOISELLE

Date : 17-AUG-88
Invoice # : I-8820558
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8820558

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
I.R.#022L.M.#06	208 238	< 1	0.06	58	430	2	< 5	11	52	0.23	< 10	< 10	105	< 5	39
N.U.Q. #066	208 238	< 1	0.01	< 1	230	< 2	15	5	3	0.05	30	10	6	< 5	66
S.C.S. #067	208 238	< 1	0.05	43	2070	< 2	10	7	6	0.09	20	< 10	30	< 5	64
S.C.S. #068	208 238	1	0.02	36	800	< 2	10	5	5	0.06	20	< 10	14	< 5	59

COMPANY: G.D.DIAMOND DRILLING
PROJECT NO: SLINSAK 1
ATTENTION: G.DELORME

MIN-EN LABS ICP REPORT
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)990-5814 OR (604)988-4524 x TYPE ROCK GEOCHEM x

(ACT:F31) PAGE 1 OF 1
FILE NO: 8-1920/P1
DATE:NOVEMBER 1, 1989

(VALUES IN PPM)	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
MTM 070	.5	40250	22	15	119	.9	9	9970	2.8	30	241	59520
MTM 071	.4	34760	41	7	233	.8	5	10710	1.7	24	175	45460
MTM 072	.5	19490	1	6	100	.6	4	5840	3.2	16	141	44430
MTM 088	.7	20880	42	10	57	.2	6	11030	1.3	17	278	90700
MTM 089	1.1	5440	1	3	15	1.0	4	31000	3.1	7	41	4910
MTM 090	.4	25730	38	9	37	.7	13	9910	2.5	23	12	45150
MTM 091	.9	23330	27	8	126	.9	7	3740	3.1	20	17	30180
MTM 092	.6	21560	18	7	89	.7	7	3300	3.5	23	39	41670
OI 25	2.1	17170	3	6	1	.3	4	32990	4.2	23	7753	53520
OI 14	.5	13730	1	4	1	.4	2	57760	2.4	13	219	26870
JB 094	.8	26620	15	9	19	.8	9	15740	.3	11	71	29630
JB 095	.6	31950	46	16	53	1.1	11	17400	1.2	42	161	123250
JB 096	.9	47300	18	22	5	.7	7	9950	4.6	63	113	80250
JB 097	.8	51800	13	27	1	.9	13	51280	1.2	39	114	48110
JB 098	1.7	46370	79	19	3	.8	30	34710	1.1	46	137	62790
JB 099	.4	22030	21	8	14	.5	10	33670	2.2	20	19	43120

COMPANY: G.D.DIAMOND DRILLING — MIN-EN LABS ICP REPORT — (ACT:F31) PAGE 2 OF
PROJECT NO: QUICKSAM 1 — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 8-1920/
ATTENTION: G.DELORME — (604)980-5814 OR (604)988-4524 * TYPE ROCK GEOCHEM * DATE:NOVEMBER 1, 19

(VALUES IN PPM)	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	T
MTM 070	3950	13	34850	1764	6	820	3	650	10	2	135	
MTM 071	1490	12	17020	673	142	1360	4	570	8	4	510	
MTM 072	3130	9	10500	936	23	580	2	590	13	1	166	
MTM 088	840	9	12230	915	1	650	1	760	17	1	29	
MTM 089	3440	5	1120	457	4	120	11	240	21	1	14	
MTM 090	1270	10	13890	1345	1	410	12	590	16	2	41	
MTM 091	1520	11	18250	645	1	670	32	450	7	1	13	
MTM 092	1570	10	17550	1224	3	600	33	440	6	1	13	
OI 25	470	9	14060	760	1	90	26	570	13	29	2	
OI 14	590	6	11080	1195	3	60	14	210	7	1	4	
JB 094	680	15	5750	217	4	900	5	1580	11	1	29	
JB 095	990	17	1210	15	2	610	81	1290	6	1	65	
JB 096	350	19	67900	1274	1	360	240	160	21	9	8	
JB 097	350	8	35270	610	1	280	66	240	18	4	1	
JB 098	390	9	19720	797	4	500	75	680	17	1	19	
JB 099	650	9	14110	1149	1	920	1	880	14	1	21	

AY: G.D.DIAMOND DRILLING — MIN-EN LABS ICP REPORT — FILE NO: 8-1928
OJECT NO: QUINSAM 1 — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
TION: S.DELORME — (604)980-5814 OR (604)988-4524 * TYPE ROCK GEOCHEM * DATE:NOVEMBER 1, 1

ES IN PPM)	U	Y	ZN	GA	SN	W	ER	AU-PPB
070	1	121.3	139	1	5	2	59	40
071	2	149.3	32	1	2	1	91	10
072	1	25.8	43	1	1	1	110	5
088	1	195.4	57	3	1	3	100	5
089	1	9.2	16	1	1	5	90	10
090	1	116.0	99	1	3	1	99	5
091	1	51.9	36	1	1	2	131	10
092	1	46.4	75	1	1	1	127	5
25	1	94.1	70	1	1	1	173	480
14	1	72.2	58	1	1	2	141	40
094	1	47.6	13	1	3	1	48	10
095	1	134.9	82	5	5	1	107	5
096	1	172.9	43	1	1	1	240	5
097	1	128.4	45	1	4	1	174	5
098	1	216.9	65	3	11	1	73	5
099	1	114.5	38	3	2	1	58	5

2.7 AIRBORNE MAGNETIC SURVEY

Aeromagnetic Survey Ltd. made the air-mag of Upper Quinsam Lake area in 1952 for Argonaut Company Ltd.

The magnetic data on the map records an anomaly expressed by contours on Quinsam 1 claim group, on the ore deposit of Iron Hill, contour interval: 25 gammas.

Also we can see some lineaments, which can be interpreted by major structural fractures or geological contact, these different alignments of Quinsam 1, could mean that some geological formation could carry some iron mineralization which also can be associated with the same trace that we have at Eureka & Cobalt anomaly and Sihun Creek anomaly. See chapter 3.10, 3.11

2.8

QUINSAM 1

DAILY FIELD WORK

LOCATION AND DESCRIPTION

A SUMMARY OF FIELD ACTIVITY

92F/13E

2.8 DAILY FIELD WORK LOCATION AND DESCRIPTION

April 1	Flag and blaze east claim line.
April 2	Flag and blaze east claim line.
April 3	Flag and blaze south claim line.
April 4	Flag and blaze south claim line.
May 15	Eureka & Cobalt, make plan for further work, look at geological and mineralization environment.
June 4	Physical work, Eureka & Cobalt.
June 5	Physical work, Eureka & Cobalt.
June 6	Prospecting along logging roads.
June 7	Physical work, Eureka & Cobalt.
June 8	Physical work, Eureka & Cobalt.
June 16	Camp installation, physical work.
June 17	Physical work, Eureka & Cobalt.
June 18	Physical work, Eureka & Cobalt.
June 19	Physical work, Eureka & Cobalt.
June 20	Physical work, Eureka & Cobalt.
June 21	Physical work, Eureka & Cobalt.
June 24	Nanaimo, registration of assessment work, get documentation on Quinsam 1.
June 25	Physical work, Eureka & Cobalt.
June 26	Physical work, Eureka & Cobalt.
June 27	Physical work, Eureka & Cobalt.

DAILY FIELD WORK LOCATION AND DESCRIPTION

June 28	Physical work, Eureka & Cobalt.
June 29	Physical work, Eureka & Cobalt.
June 30	Physical work, Eureka & Cobalt.
July 2	Prospecting north of the main showing Eureka & Cobalt.
July 3	Prospecting at geochemical anomaly zone C and D, west of Hawkins Creek zone B.
July 4	Prospecting at geochemical anomaly zone C, work done on maps.
July 5	Prospecting north of main showing Eureka & Cobalt.
July 6	Prospecting, geochemical anomaly zone C and south west of the main showing Eureka & Cobalt.
July 13	Prospecting, south of main showing Eureka & Cobalt and sampling east side of the open pit, Iron Hill.
July 14	Prospecting, south of main showing Eureka & Cobalt.
July 15	Prospecting, south of main showing Eureka & Cobalt.
July 16	Physical work and prospecting west of the open pit and alongside the Sihun Creek.
July 17	Physical work, Iron Hill, open pit.
July 18	Physical work, Iron Hill, open pit.

DAILY FIELD WORK LOCATION AND DESCRIPTION

July 19	Sampling and chaining at the open pit west side.
July 20	Physical work and sampling at the open pit, prospecting along the Sihun Creek.
July 21	Physical work, road located west side of the open pit.
July 23	Prospecting and sampling along the road south of the open pit.
July 27	Physical work, road located west side of the open pit and sampling Eureka & Cobalt.
July 28	Prospecting, Eureka & Cobalt and east of Hawkins Creek.
Aug 3	Get samples ready for shipment to the lab.
Aug 4	Get samples ready for shipment to the lab.
Aug 7	Chaining and sampling at the open pit.
Aug 9	Sampling Eureka & Cobalt.
Aug 10	Sampling and mapping, get samples ready for shipment.
Aug 11	Prospecting, Eureka & Cobalt, send samples to the lab.
Aug 13	Office work, ask advice M. McCall a well known prospector from the area.
Aug 14	Prospecting at the open pit and Sihun Creek, exploration south of Eureka & Cobalt.

DAILY FIELD WORK LOCATION AND DESCRIPTION

Aug 15	Get samples ready, work on map.
Aug 17	Work on notes and get samples ready.
Aug 18	Prospecting in the limestone at the open pit, sampling.
Aug 28	Advice from prospectors of the area.
Aug 29	Line cutting on Eureka & Cobalt get ready for detail mapping.
Aug 30	Physical work, Eureka & Cobalt.
Aug 31	Physical work and mapping, Eureka & Cobalt.
Sept 1	Mapping Eureka & Cobalt.
Sept 6	Mapping Eureka & Cobalt.
Sept 7	Mapping Eureka & Cobalt.
Sept 8	Prospecting, Sihun Creek anomaly.
Sept 9	Physical work and sampling Sihun Creek anomaly.
Sept 10	Prospecting, verification of notes.
Sept 11	Prospecting, on contact zones and mapping.
Sept 12	Prospecting, on contact zones and mapping.
Sept 13	Prospecting, on different geological contact.

DAILY FIELD WORK LOCATION AND DESCRIPTION

Sept 14	Prospecting, on different geological contact.
Sept 15	Prospecting, mapping in different geological environments.
Sept 16	Prospecting, mapping in different geological environments.
Sept 20	Office work on notes and samples
Sept 21	Office work verification of some readings.
Sept 22	Work on notes and especially on the texture and mineralization of the garnetite, open pit.
Sept 25	Claim line destroyed by thinning, physical work.
Sept 26	Work on samples, classification, and get ready for storage.
Sept 27	Physical work on claim line, destroyed by thinning, verification of readings, samples classification.
Sept 28	Prospecting, open pit, verification of notes.
Sept 29	Move out all equipment and put samples in storage.
Sept 30	Obtain some advice from the district geologist in Victoria, get documentation and maps.
Oct 22	Garnetite sampling, get everything ready.
Oct 23	Iron Hill, open pit, garnetite sampling.
Oct 24	Get samples ready, take samples to lab in Vancouver.

DAILY FIELD WORK LOCATION AND DESCRIPTION

Oct 27	Obtain advice from the district geologist in Nanaimo and Victoria, buy some maps and documentation for report.
Nov 2	Office work, make assessment report for the next 2 years.
Nov 6	Visit from a geologist of Polestar Exploration Inc.
Nov 7	Sampling some crystalline garnetite for Polestar Exploration Inc. at the open pit.
Nov 8	Get the samples ready and send to Vancouver.
Nov 10	Assessment report, work on notes.
Nov 11	Chaining at the open pit, assessment report.
Nov 12	Location equipment, assessment report.
Nov 13	Assessment report, Eureka & Cobalt figures.
Nov 14	Verification readings at Eureka & Cobalt for assessment report.
Nov 15-19	Assessment report.
Nov 20	Verification of readings, Eureka & Cobalt, studying mineralization.
Nov 21-30	Work on notes and interpretation of results.
Dec 8	Advice from the district geologist in Victoria and Nanaimo, buy some documentation.

DAILY FIELD WORK LOCATION AND DESCRIPTION

Dec 10-14	Work on notes and interpretation of results.
Dec 16	M. Delorme informs me that we have an offer from Polestar Exploration Inc. Worked on notes.
Dec 19	Inquiry about the titles of Quinsam 1, letter to the Deputy Gold Commissioner in Nanaimo.
Dec 20	Work on notes.
Dec 21	Work on notes and assessment report.
Dec 22	Worked on notes and assessment M. Delorme informs me that we have another offer from Polestar Exploration Inc.
Dec 26	Work on notes and assessment.
Dec 27	Work on notes and assessment.

2.8 A SUMMARY OF FIELD ACTIVITY

I worked on Quinsam 1 before the month of July but used it as my assessment report for the year 1988 until July 1989.

For the purpose of this report, I worked on Quinsam 1 in July for 17 days, August 21 days, October 4 days, November 22 days, December 13 days, for a total of 92 days.

The main purpose of the work I did this summer was to gather information for our assessment report and to investigate the economic and exploration potential of Quinsam 1 and the area.

2.9 THE ECONOMIC POTENTIAL OF QUINSAM 1

The economic viability in terms of tonnage and accessibility is under study.

The Engineering Group of Vancouver prepared a preliminary report to determine the work and equipment necessary to reactivate the Argonaut Mine and estimate the capital and operating costs, a comparison of various ore reserve estimates were done by different companies in 1962.

Japanese estimate: 1,200,000 tons concentrate.

A. P. Fawley estimate: 1,520,000 tons concentrate at 58% Iron.

Peter Kiewir estimate: 1,135,000 tons concentrate at 60% Iron.

J. G. Mathews estimate: 527,000 tons concentrate at 60% Iron.

2.9 Canada Cement Lafarge Ltd. made an analysis of the limestone of the Iron Hill Property in April 1977 which showed:

Ignition loss (1000°)	43.72%
Co_2	43.50%
CaO	55.56%
MgO	Nil

55.56% CaO out of a maximum of 56.0% means 99% pure Ca CO_3. The sample is chemically a high grade limestone.

World Garnet productions and economic considerations are under study by private enterprises and government agencies. Garnet is used in sand paper, sand blasting, water filtration, ceramics, etc.

We believe that there are a few million tons of garnet in the open pit and in the tailings, some samples were sent to the lab for analysis.

2.10 **THE EXPLORATION POTENTIAL OF QUINSAM 1 AND AREA**

According to reports and company records, it shows that most of the ore occured as replacement of the volcanic rocks rather than the limestone. This understanding of the genetic processes is important for a future exploration program. From what I saw following Sihun Creek, I consider the area an interesting target.

The ability to make a serious detailled geophysical investigation, with the appropriate instruments may end up as an extension of the ore reserve, or might give us some information for better understanding of the contact zone, which has sn irregular pattern and is a few kilometers long.

2.10 Last summer I followed the Island Intrusion contact zone for a few kilometers north of Upper Quinsam Lake and south of Upper Quinsam Lake, in many areas I noticed that the alteration processes strongly affected the Karmutsen Formation, which has been metamorphosed and fractured.

The new development and knowledge of the application of geochemistry and new developments in electronics for geophysical instruments with a serious detailled survey along the contact might help us to understand the distribution of mineralization along the contact and might find another ore reserve which doesn't show up on the surface as much as the Iron Hill ore deposit, which has been known for over a century.

As far as I know there has never been a detailled survey or aggressive exploration program along the Island Intrusion, except on Eureka & Cobalt, but I believe the origin is further south along Hawkins fault, and it will be very interesting to follow the anomaly of Eureka & Cobalt further south along Hawkins fault. This is a good exploration target.

2.11 **NOTES ON RARE EARTHS**

Recently in my study I found that some rare earth is associated with garnet, which would make for an interesting investigation. Those minerals are: Yttrium-aluminum garnet, Yttrium-iron garnet, and a Calcium-iron garnet, also Yttrium garnet.

The manufacture of Yttrium-aluminum garnet is a commercial use of Yttrium. Used in lasers, microwaves and other electronic applications.

The manufacturing of Yttrium-iron garnets, is a leading commercial use of Yttrium. Used in electonic transmitters, as filters for selecting or tuning microwaves and as transmitters and transducers of acoustic energy.

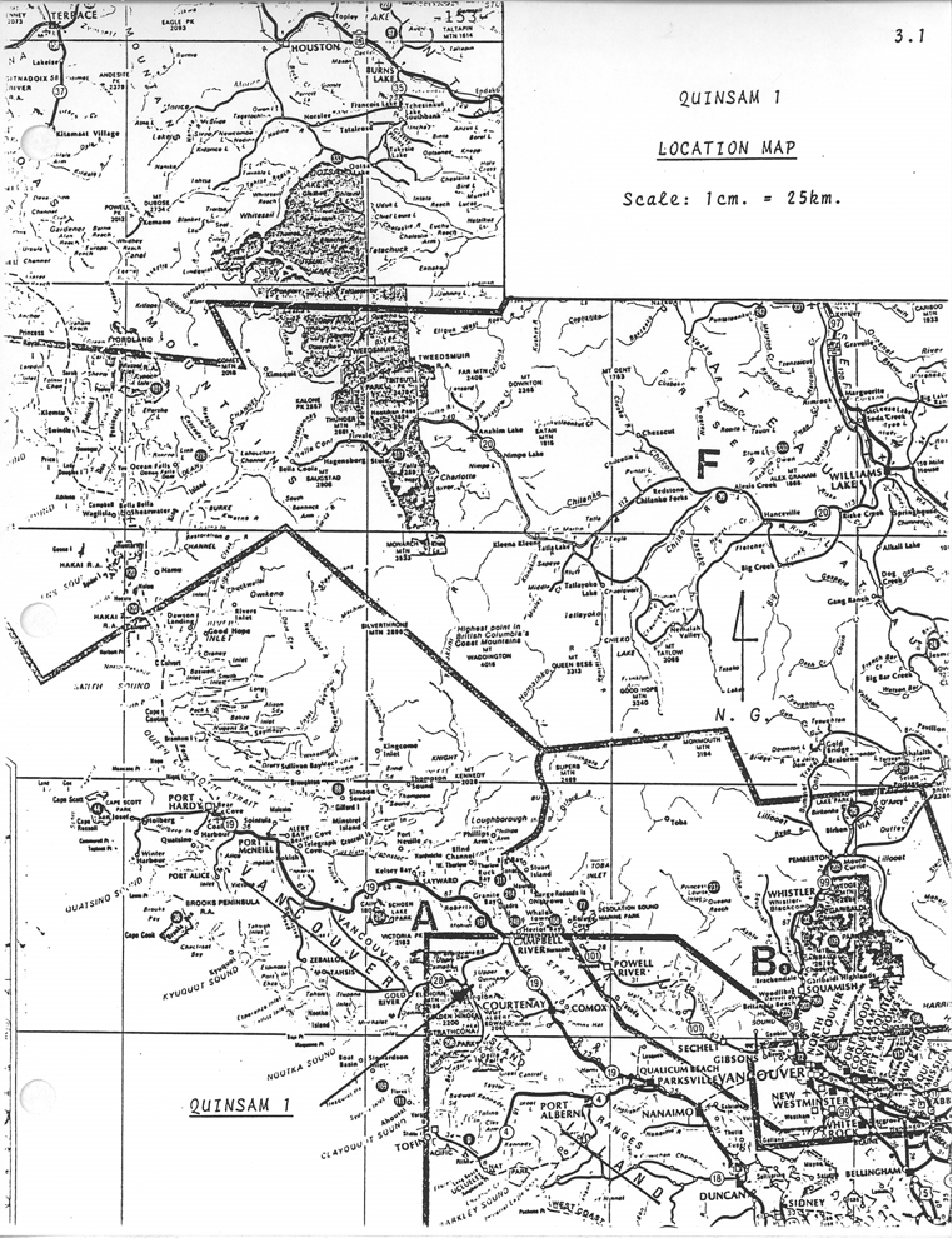
Yttrium garnet is a variety of garnets containing a small amount of Yttrium earths.

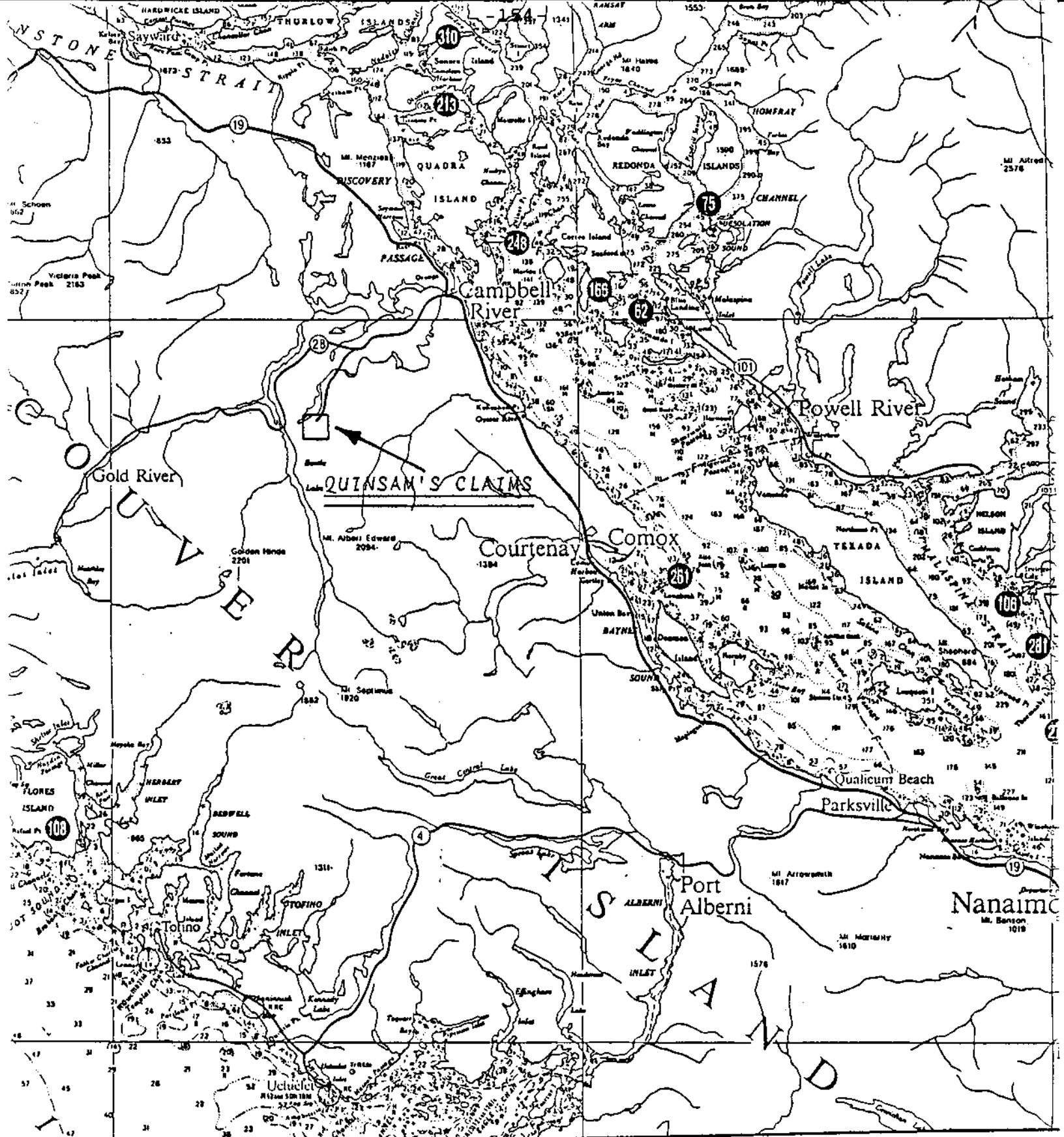
CHAPTER 3

QUINSAM 1

LOCATION MAP

Scale: 1cm. = 25km.





QUINSAM'S CLAIMS

LOCATION AND ACCESS MAP

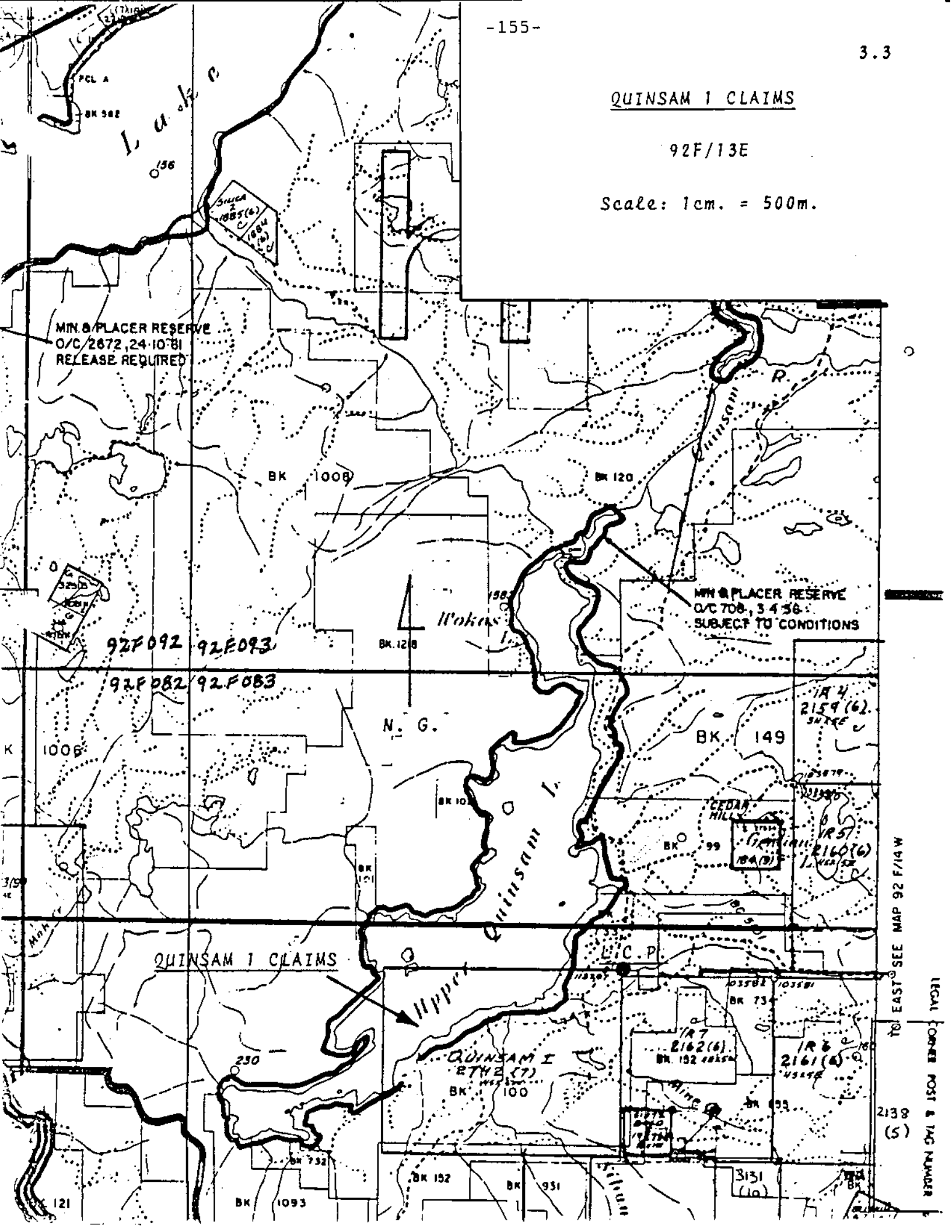
1:800,000

3.3

QUINSAM 1 CLAIMS

92F/13E

Scale: 1cm. = 500m.



3.4

QUINSAM 1

SAMPLE IDENTIFICATION AND DESCRIPTION

LOCATION MAP

EUREKA & COBALT SAMPLES

Main Showing # 1

EC-075, EC-079, EC-080, EC-081

Main Showing # 2

EC-074, EC-076, EC-077, EC-078, EC-181, EC-193

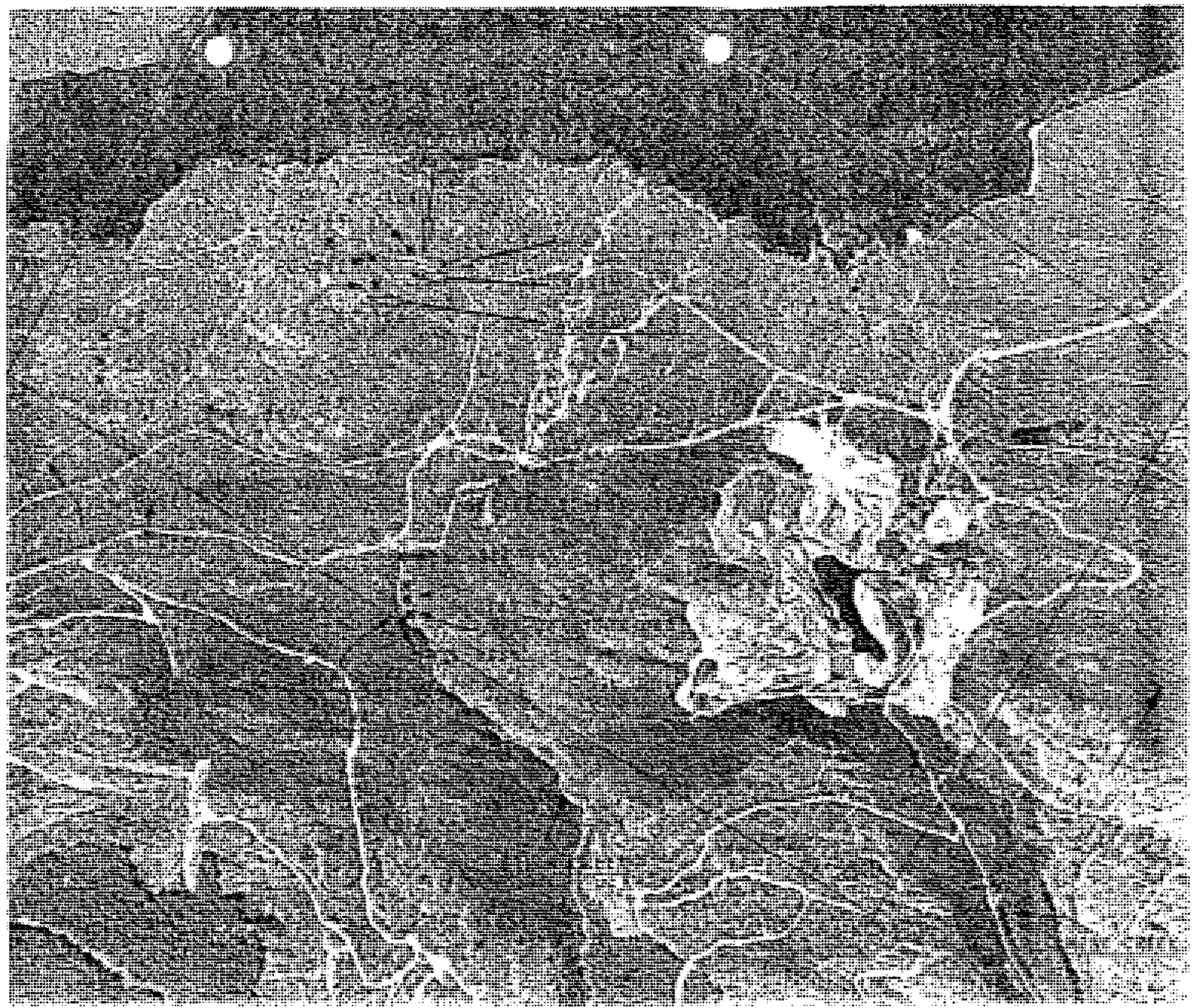
Main Showing # 3

EC-121, EC-122, EC-123, EC-124, EC-127, EC-128

SIHUN CREEK SAMPLES

SCS-067, SCS-068, SC-129, SC-130. SC-131, SC-132
SC-133, SC-134, SC-135, SC-136, SC-137, SC-140

X SAMPLE LOCATION



3.4

QUINSAM 1

SAMPLE IDENTIFICATION AND DESCRIPTION

OPEN PIT SAMPLES

CRYSTALLINE GARNETITE

IH-044, IH-049, IH-52, IH-182 to IH-192

GARNETITE SKARN

IH-039, IH-043, IH-045, IH-051, IH-054, IH-057, IH-069, IH-142, IH-143, IH-144, IH-145, IH-147 to IH-170, IH-172 to IH-176, IH-180

LIMESTONE

IH-036, IH-037, IH-038, IH-040, IH-041, IH-042, IH-114 to IH-120
IH-114, IH-115, IH-116 in the waste.

VOLCANIC

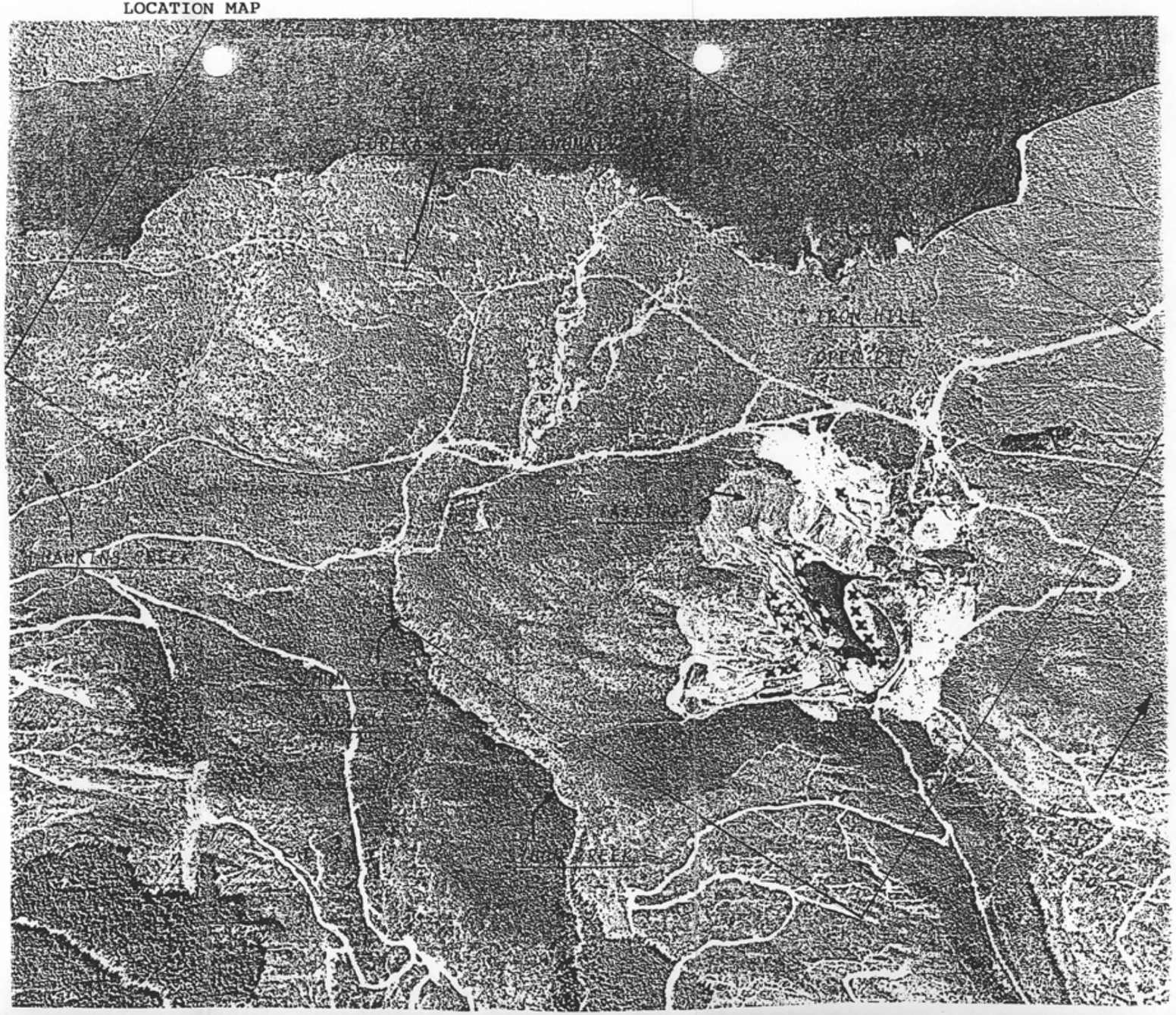
IH-024 to IH-035, IH-046, IH-047, IH-048, IH-050 IH-053, IH-055, IH-056, IH-058, IH-059, IH-060, IH-061, IH-141, IH-146, IH-171.

TAILINGS

IH-177

X SAMPLE LOCATION

LOCATION MAP



MINERALIZED OUTCROP

EUREKA & COBALT ANOMALIES

see
Sample identification and description, location map.

SIHUN CREEK ANOMALIES

see
Sample identification and description, location map.

OPEN PIT MINERALIZATION

see
Sample identification and description and figures.

SCALE

approx. 1 cm=250m

All the samples are available for observation or analysis.

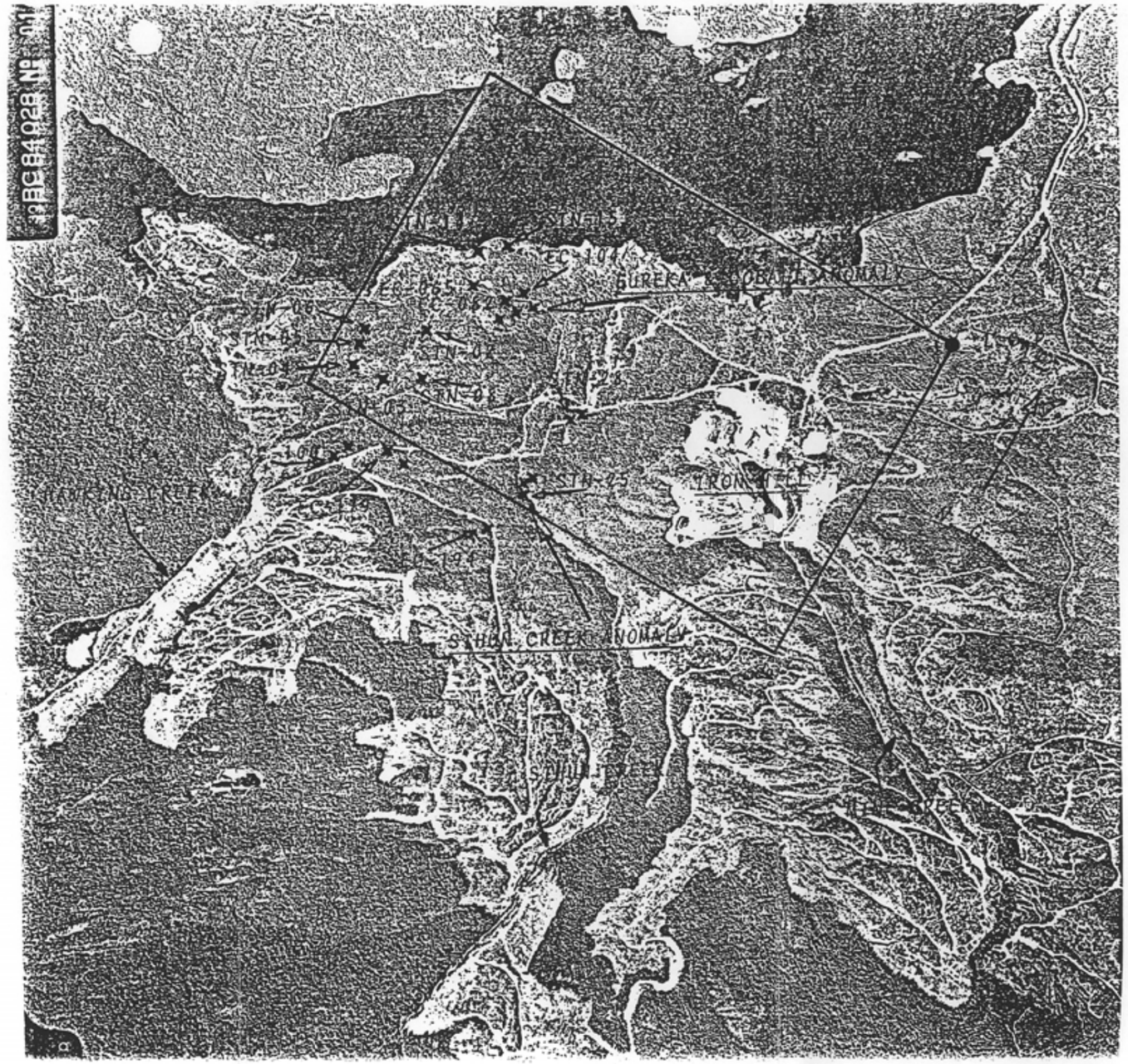
X Outcrop location

3.5

QUINSAM 1
MINERALIZED OUTCROPS

LOCATION MAP

92F/13E

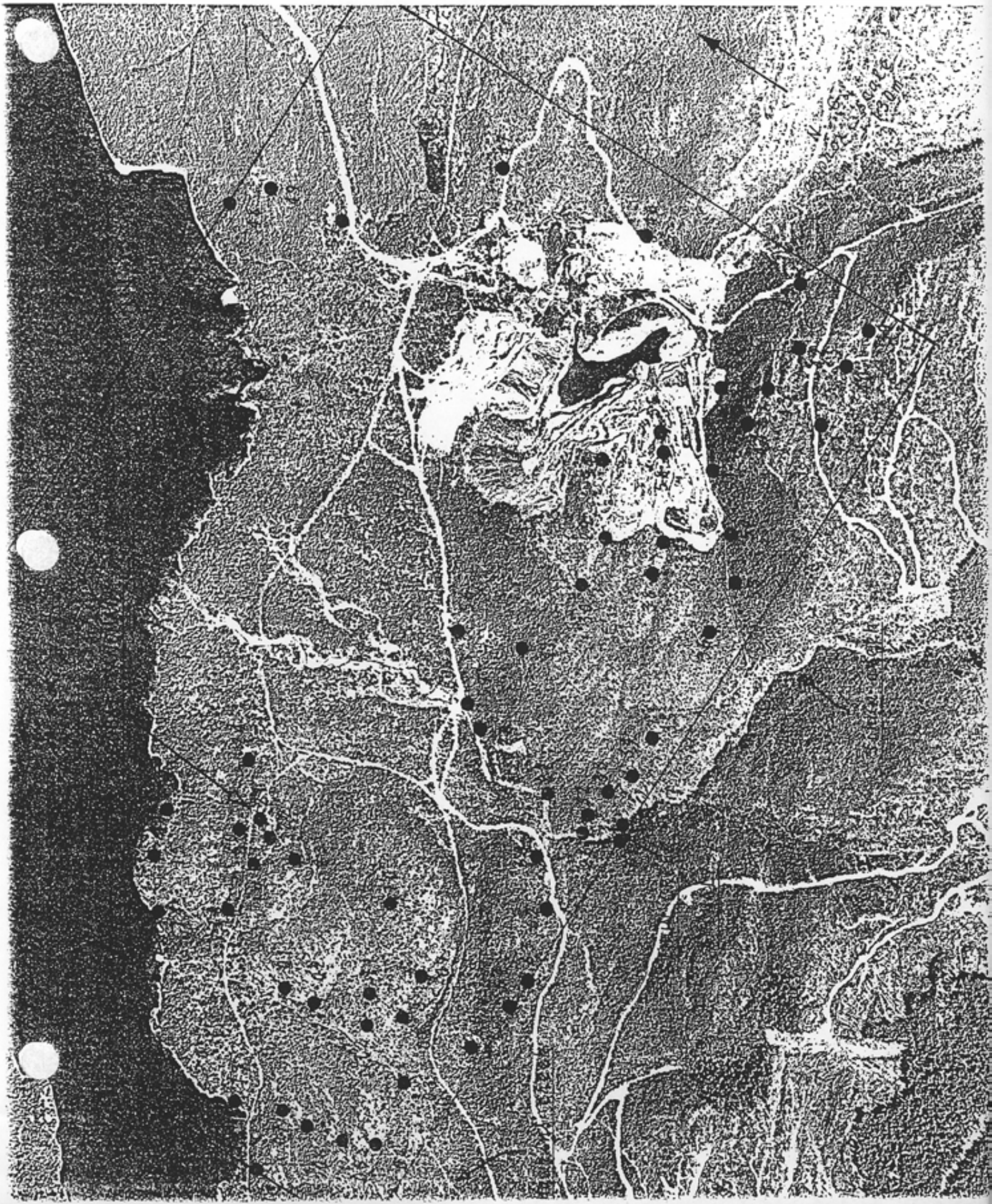


QUINSAM 1

3.6

OUTCROP IDENTIFICATION AND DESCRIPTION

LOCATION MAP



3.7

QUINSAM 1

ANOMALOUS GLACIAL TILL
LOCATION MAP

92F/13E

GEOCHEMICAL ANOMALOUS ZONES

Zone A = 2,000 ppm

Zone B = 550 ppm

Zone C = 550 ppm

Zone D = 450 ppm

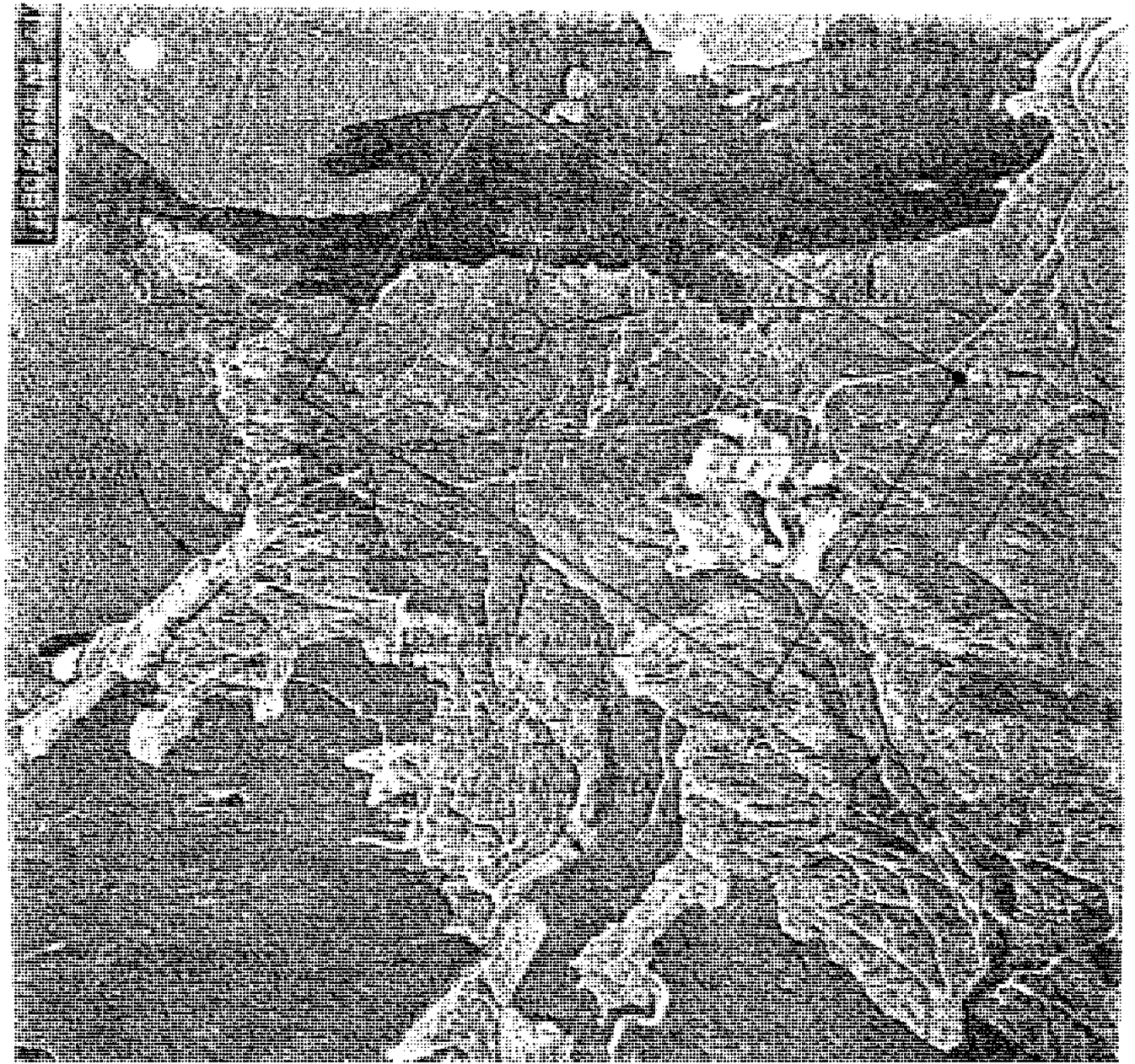
Zone E = 550 ppm

Glacial till

Soil samples, B horizon

Scale

approx. 1 cm = 250 m



3.8

UPPER QUINSAM LAKE AREA

PROFILE SECTION

LOCATION MAP

Scale: 3.5cm. = 1km.

92F/13E

BK 10

BK 99

17

QUINSAM

BK 733

BK 1

L.C.P.

EUREKA & CABALT ANOMALY

IRON HILL

OPEN PIT

1200

UPPER

B

BK 152

BK 100

Abandoned

Creek

SIHUN CREEK ANOMALY

BK 732

BK 152

BK 931

BK 1093

Creek

2600

3200

N. G.

BK 1220

3890

1337

3781

BK 930

Hawkins

Creek

BK 1219

BK 1094

A

4700

Lupin

Mountain

3.9

QUINSAM 1
STRUCTURAL INTERPRETATION

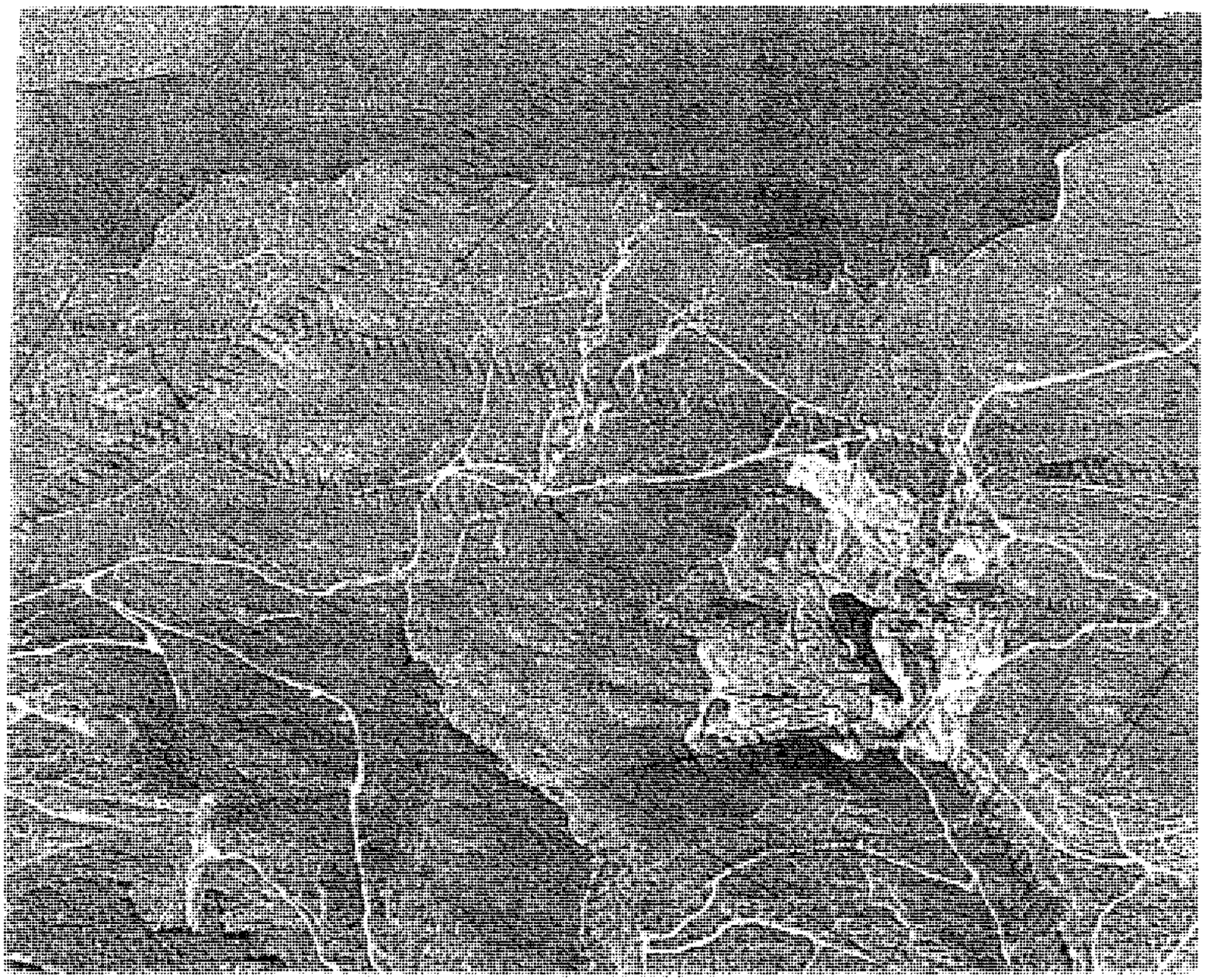
AND

GEOLOGY

\\\\\\ Probable fractures or faults, alignment.

— — — Approximate geological boundary

Scale: approx. 1 cm = 130 m



3.10

QUINSAM 1 AREA

STRUCTURAL INTERPRETATION
AND
MINERALIZATION

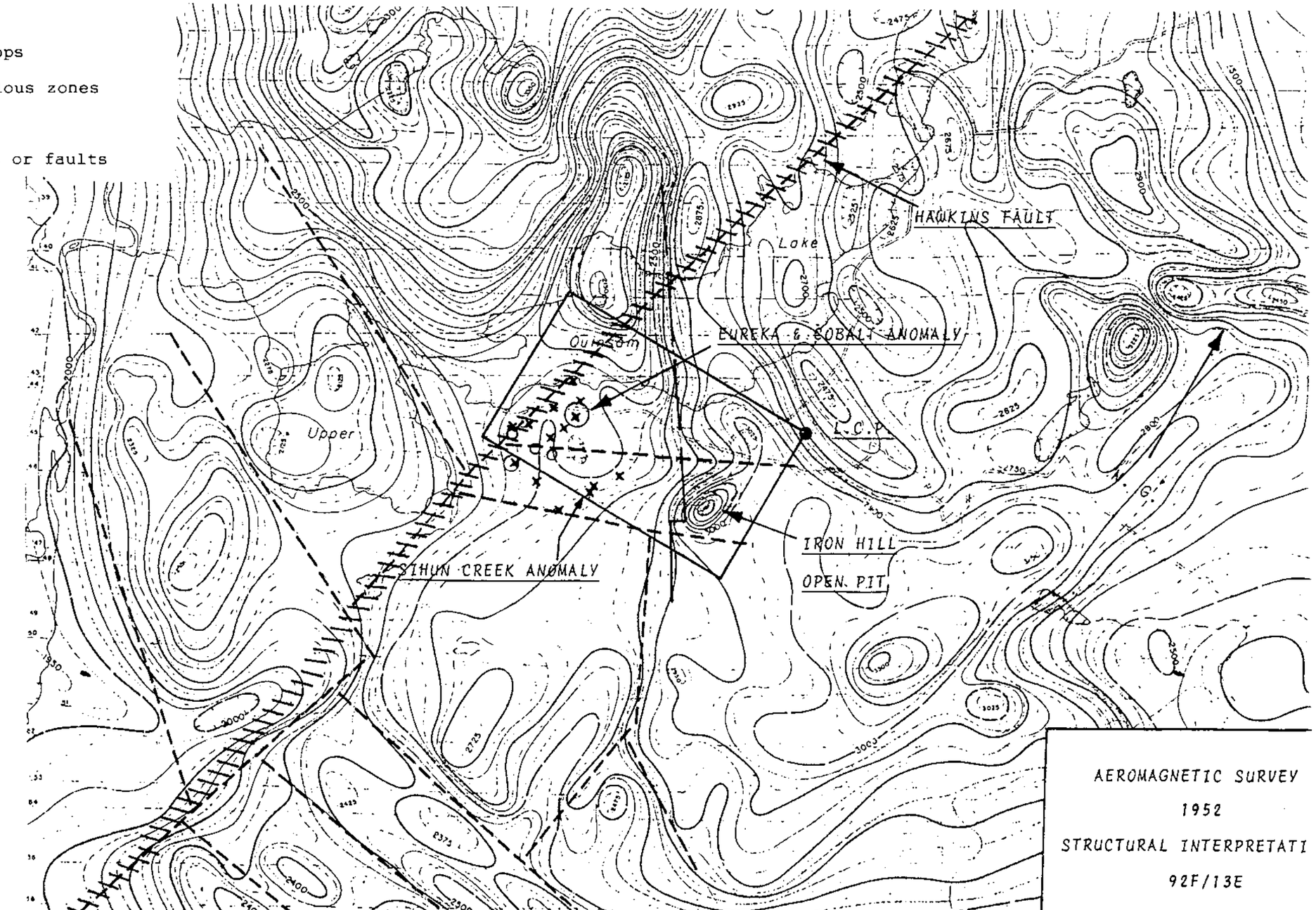
X Mineralized outcrops

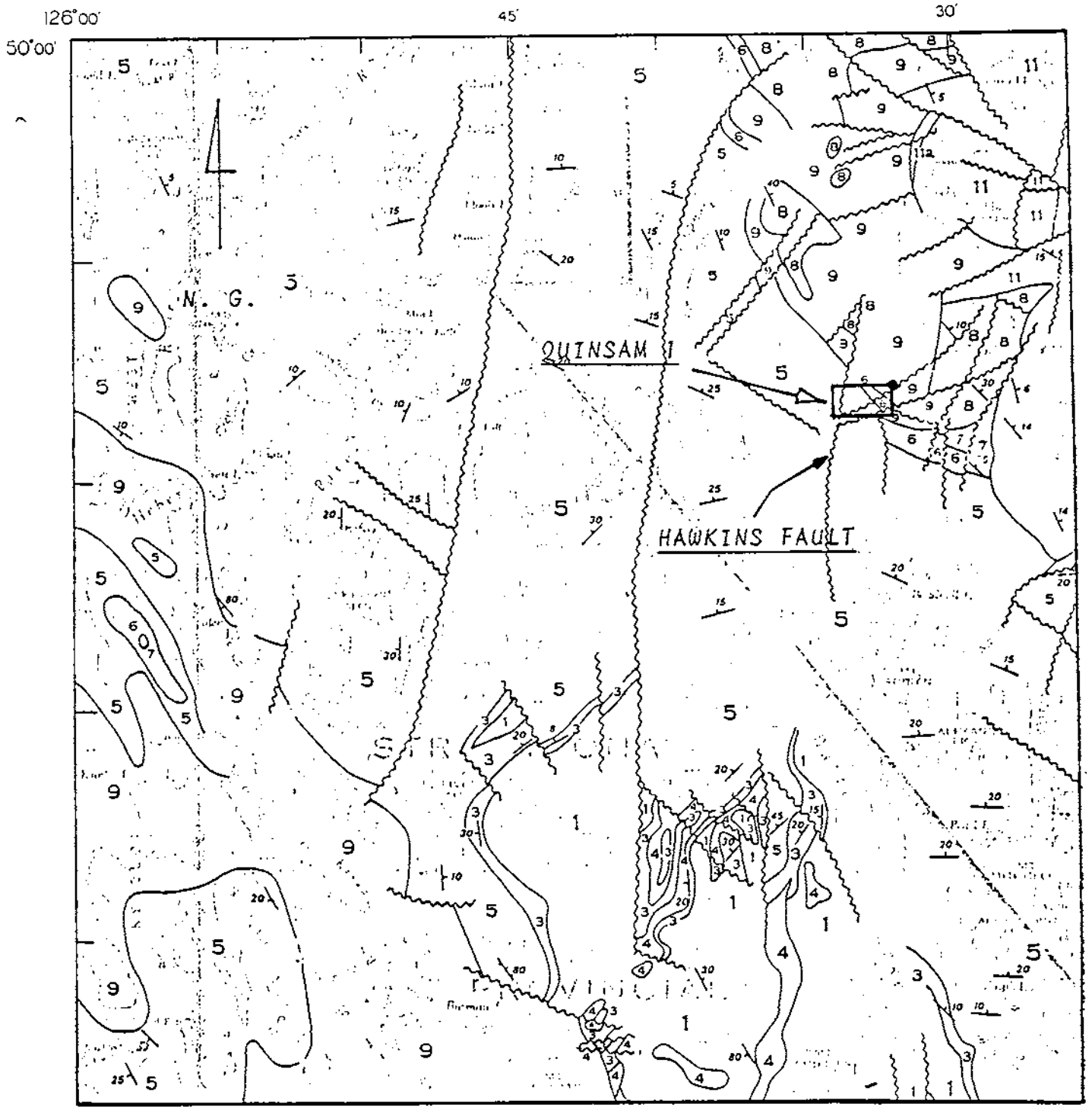
O Geochemical anomalous zones

Hawkins fault

Probable fractures or faults

Scale approx: 1 cm = 400 m





LEGEND

MIDDLE TO UPPER JURASSIC
9 Island intrusions:
Granodiorite

UPPER TRIASSIC
6 Quatsino formation:
Limestone

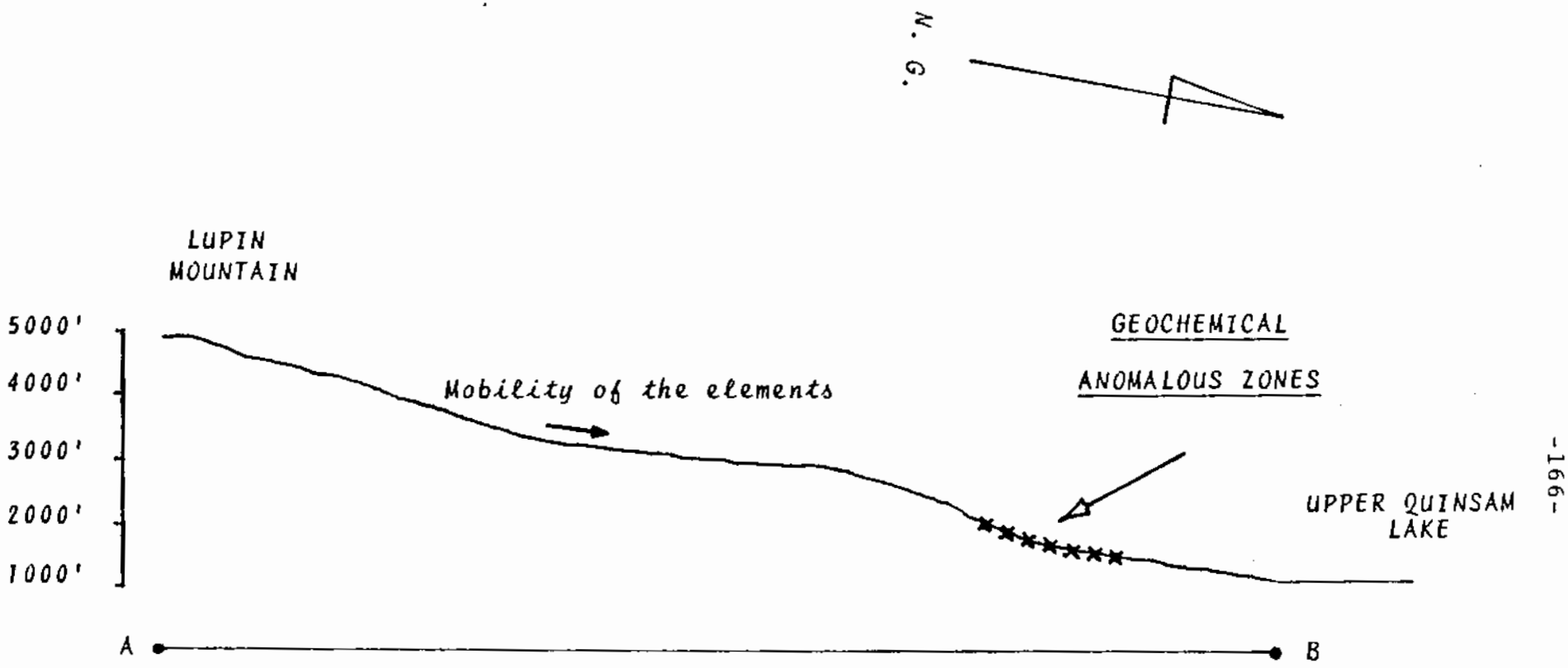
UPPER TRIASSIC AND OLDER
5 Karmutsen formation:
Pillow-basalt

QUINSAM 1 AREA

GEOLOGY

SCALE: 2.5cm. = 6km.

CHAPTER 4



UPPER QIUNSAM LAKE AREA

PROFILE SECTION

scale: 3.5cm. = 1km.

92F/13E

4.1

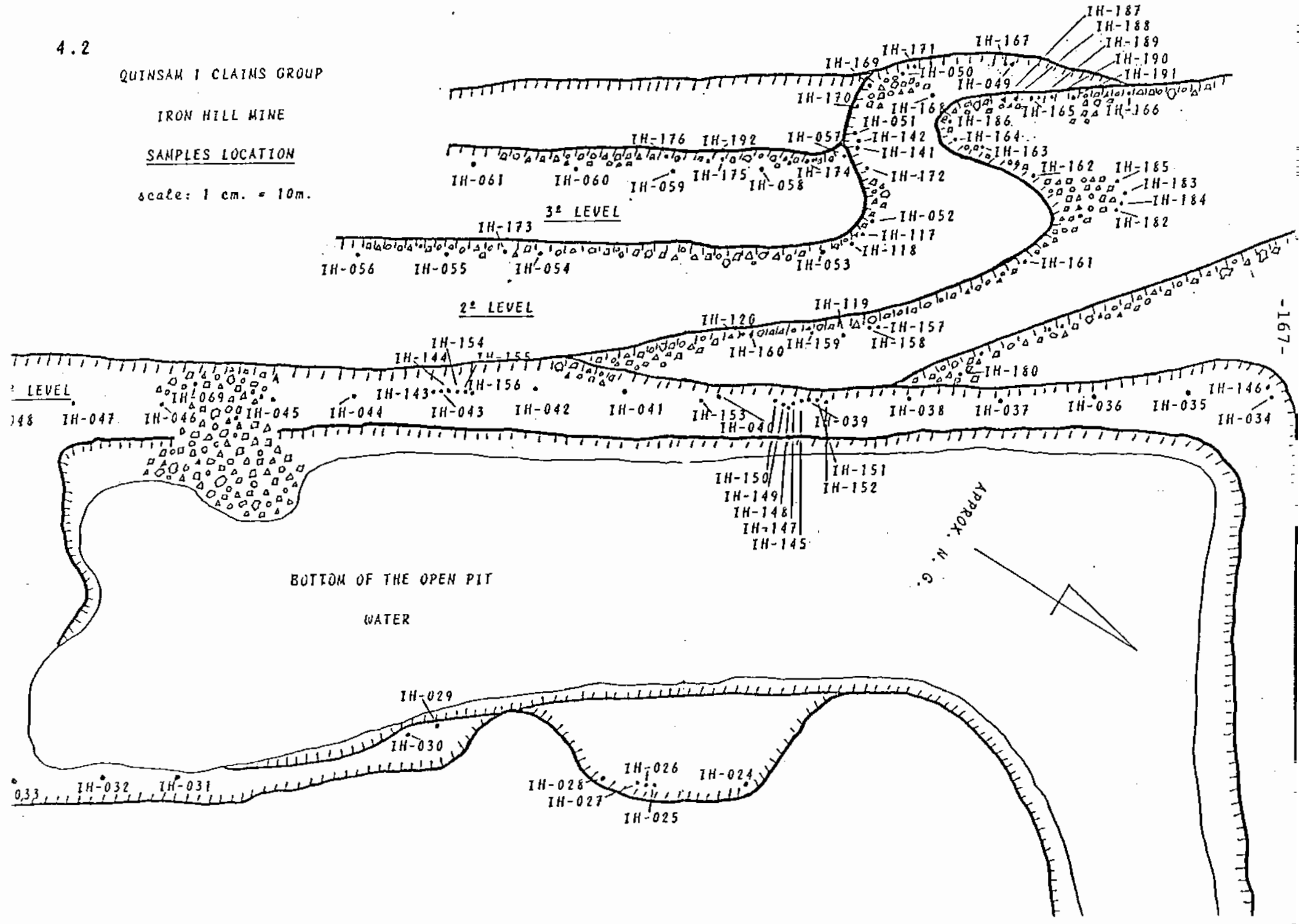
4.2

QUINSAM 1 CLAIMS GROUP

IRON HILL MINE

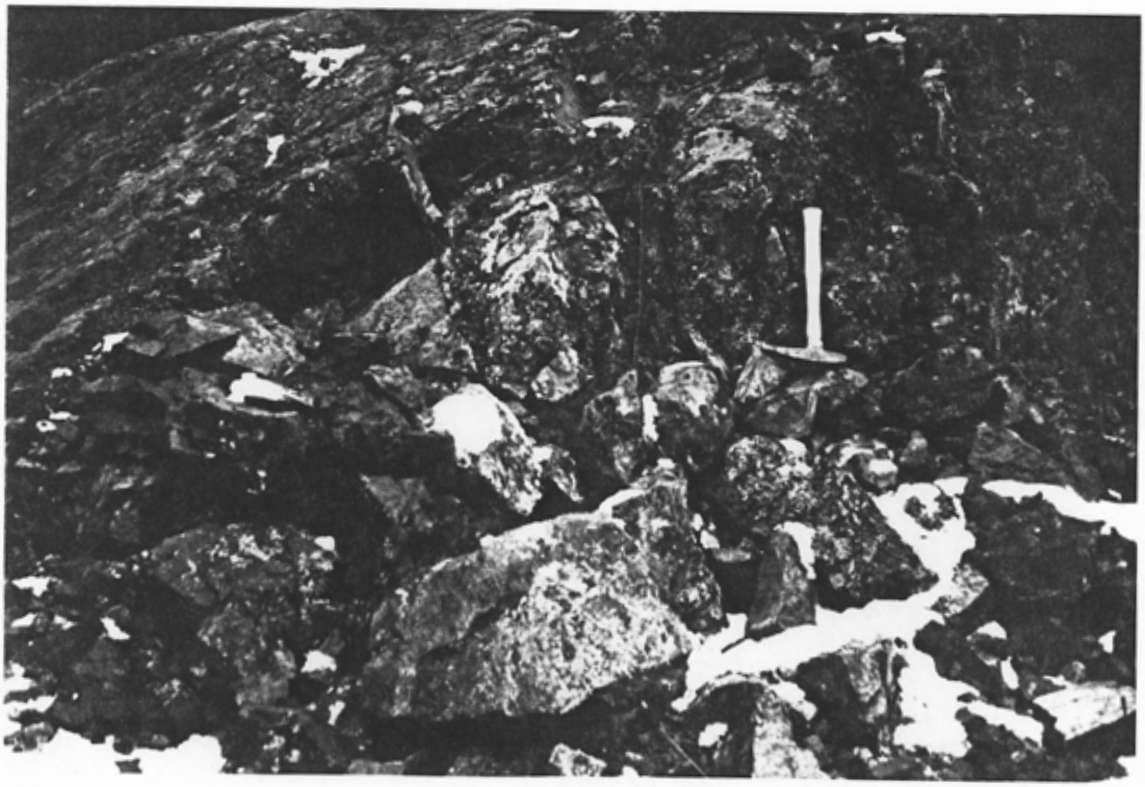
SAMPLES LOCATION

scale: 1 cm. = 10m.



QUINSAM 1

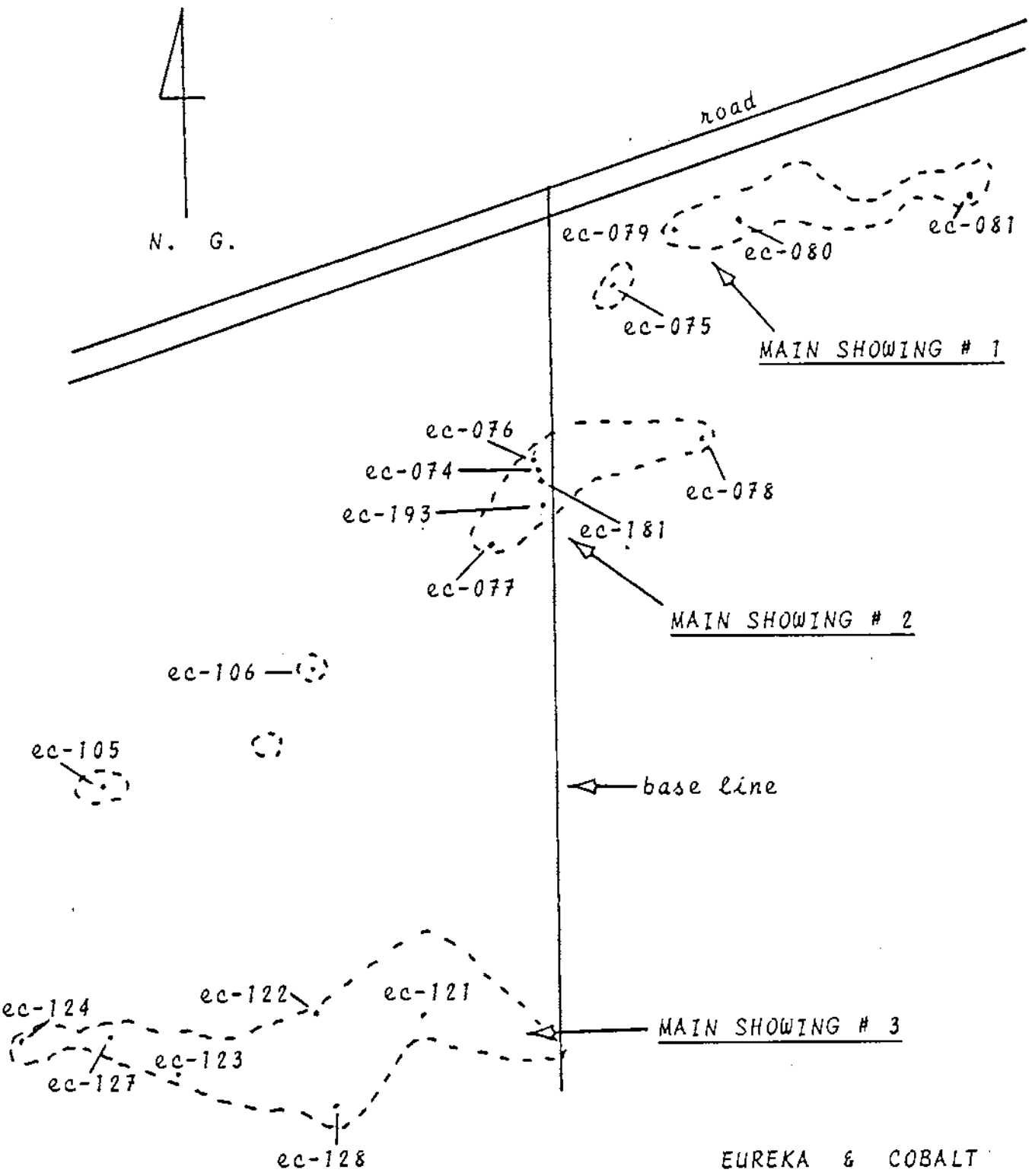
EUREKA & COBALT MAIN SHOWING # 1



QUINSAM 1

EUREKA & COBALT MAIN SHOWING # 2

4.3



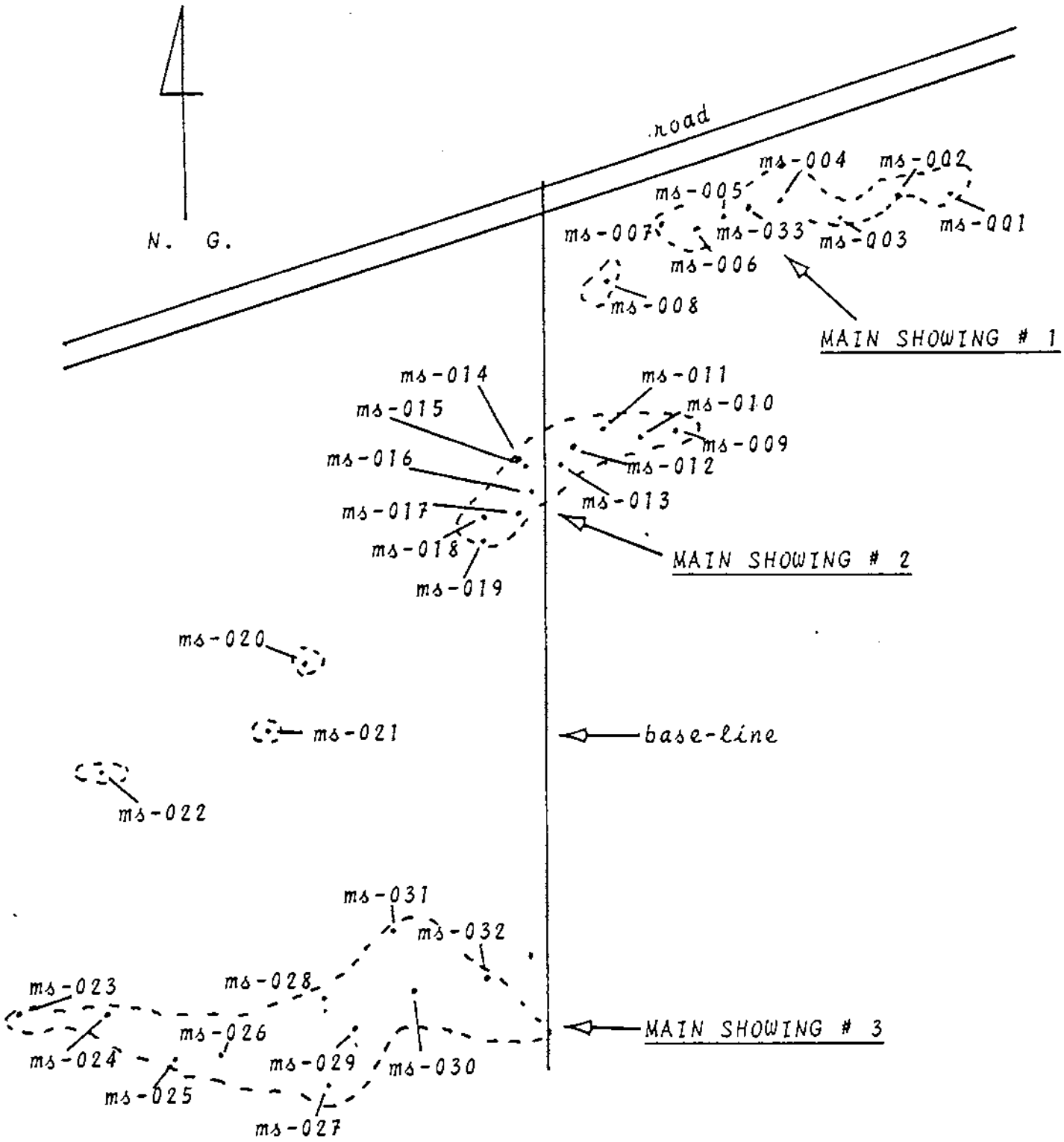
EUREKA & COBALT

SHOWINGS

SAMPLES LOCATION

scale: 1cm. = 10m.

outcrops



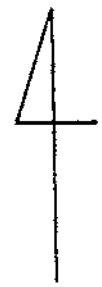
EUREKA & COBALT

SHOWINGS

STATIONS LOCATION

scale: 1cm. = 10m.

outcrops



N. G.

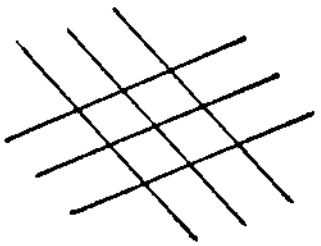
MINERALIZATION

- Erythrite
- Malachite
- Chalcopyrite
- Magnetite
- Epidote

VOLCANIC

- Amygdaloidal basalt
- Pillow structure
- Sheared and fractured

FRACTURES



MS-033

EUREKA & COBALT

MAIN SHOWING # 1

scale: 1cm. = 5m.

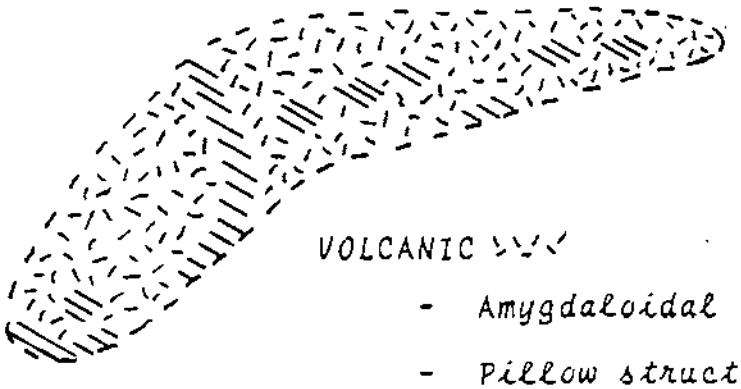
outcrops

4.5

N. G.

MINERALIZATION

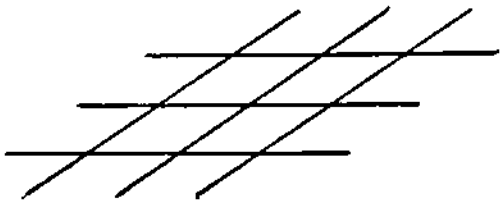
- Erythrite
- Malachite
- Chalcopyrite
- Magnetite
- Epidote



VOLCANIC

- Amygdaloidal basalt
- Pillow structure
- Sheared and fractured

FRACTURES



MS-017

EUREKA & COBALT

MAIN SHOWING # 2

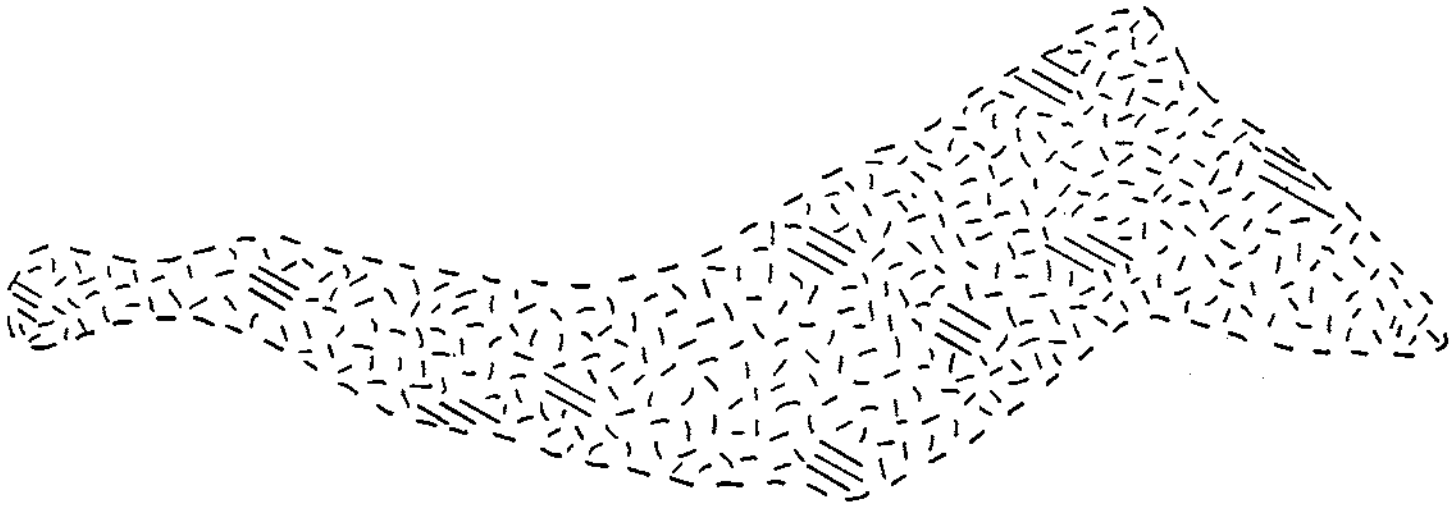
scale: 1cm. = 5m.

outcrop

N. G.

MINERALIZATION

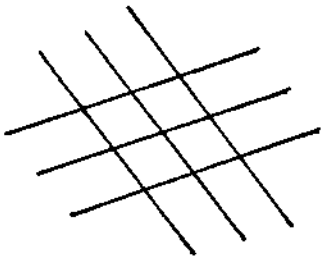
- Malachite
- Chalcopyrite
- Magnetite
- Epidote



VOLCANIC

- Amygdaloidal basalt
- Pillow structure
- Sheared and fractured

FRACTURES



MS-028

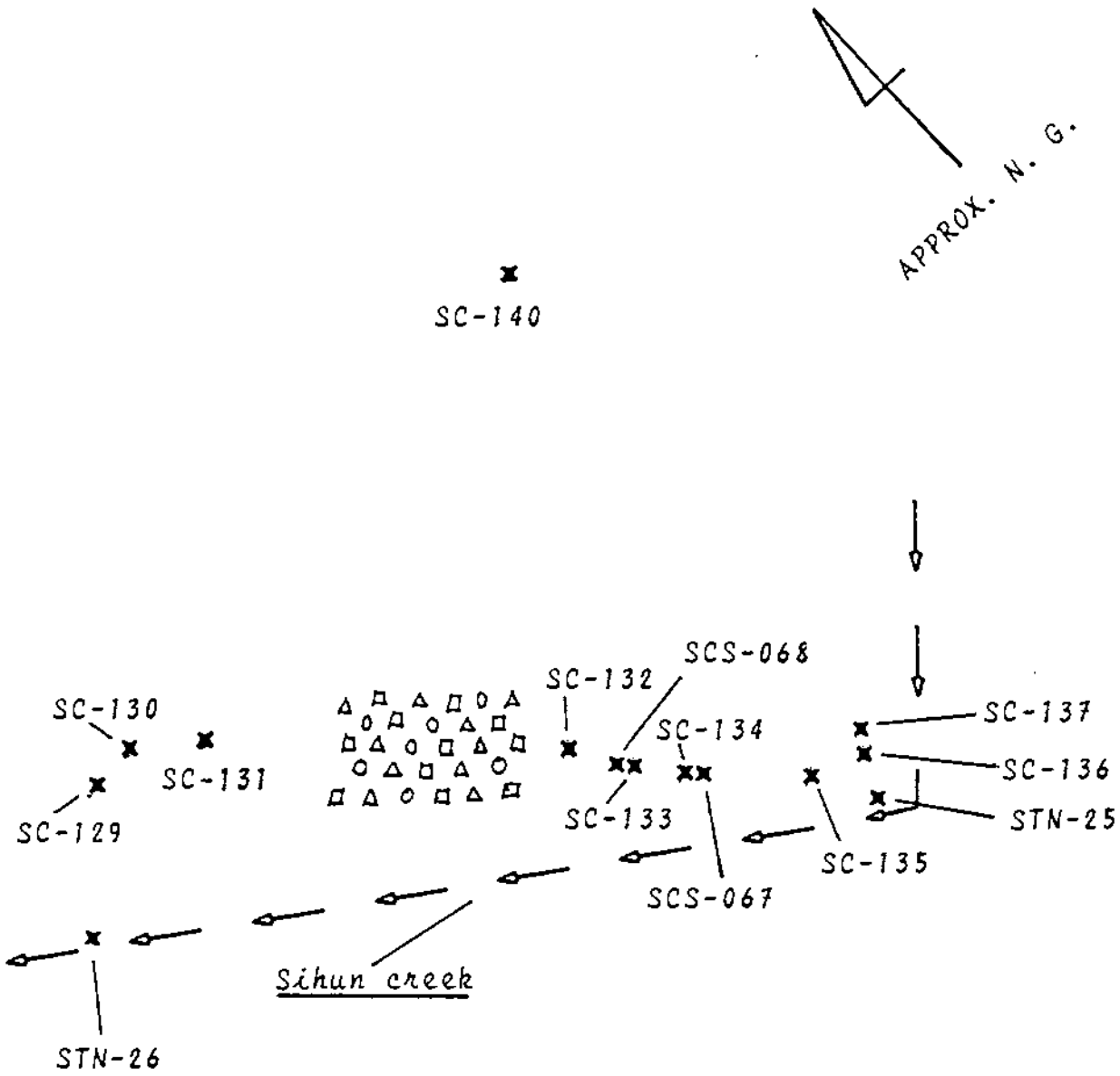
EUREKA & COBALT

MAIN SHOWING # 3

scale: 1cm. = 5m.

outcrop

4.6



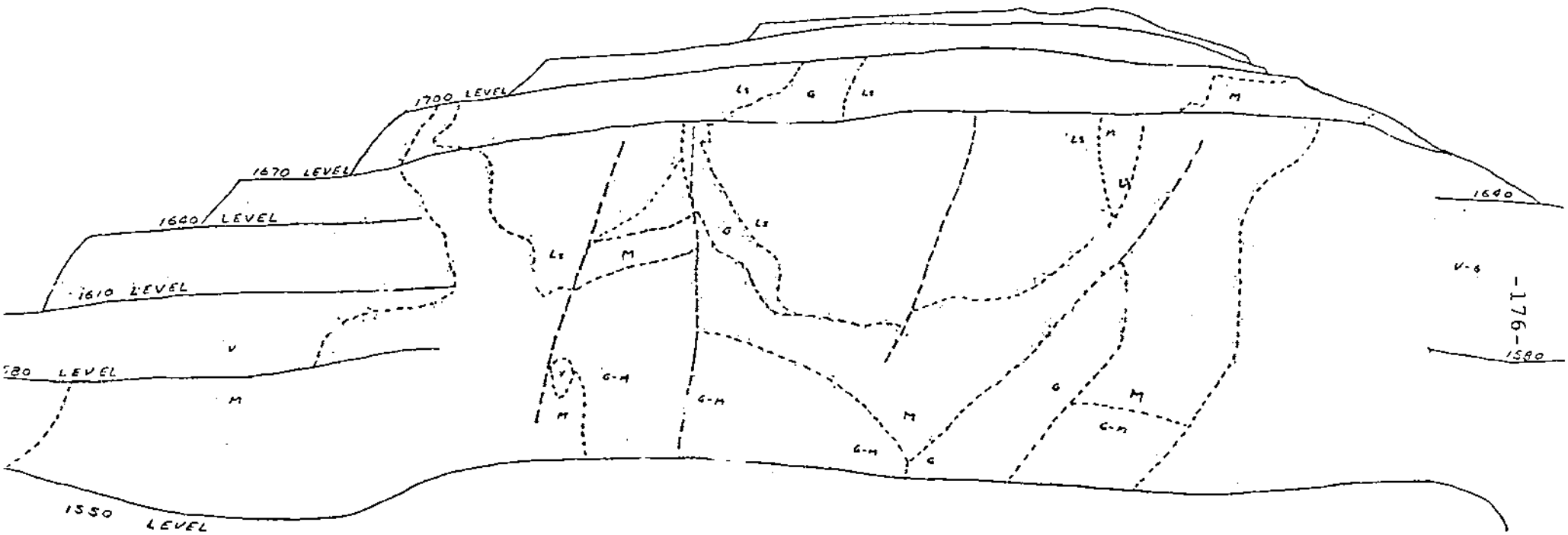
SIHUN CREEK ANOMALY

SAMPLES LOCATION

scale: 1cm. = 10m.

✖ = sample in bedrock

△ □ ○ = sub-in-place



LEGEND

G = garnetite

M = magnetite

V = volcanic

LS = limestone

VG = volcanic greenstone

GM = garnetite magnetite

IRON HILL MINE

from

photo 1953

CROSS SECTION

scale

approx. 1cn. = 10m.

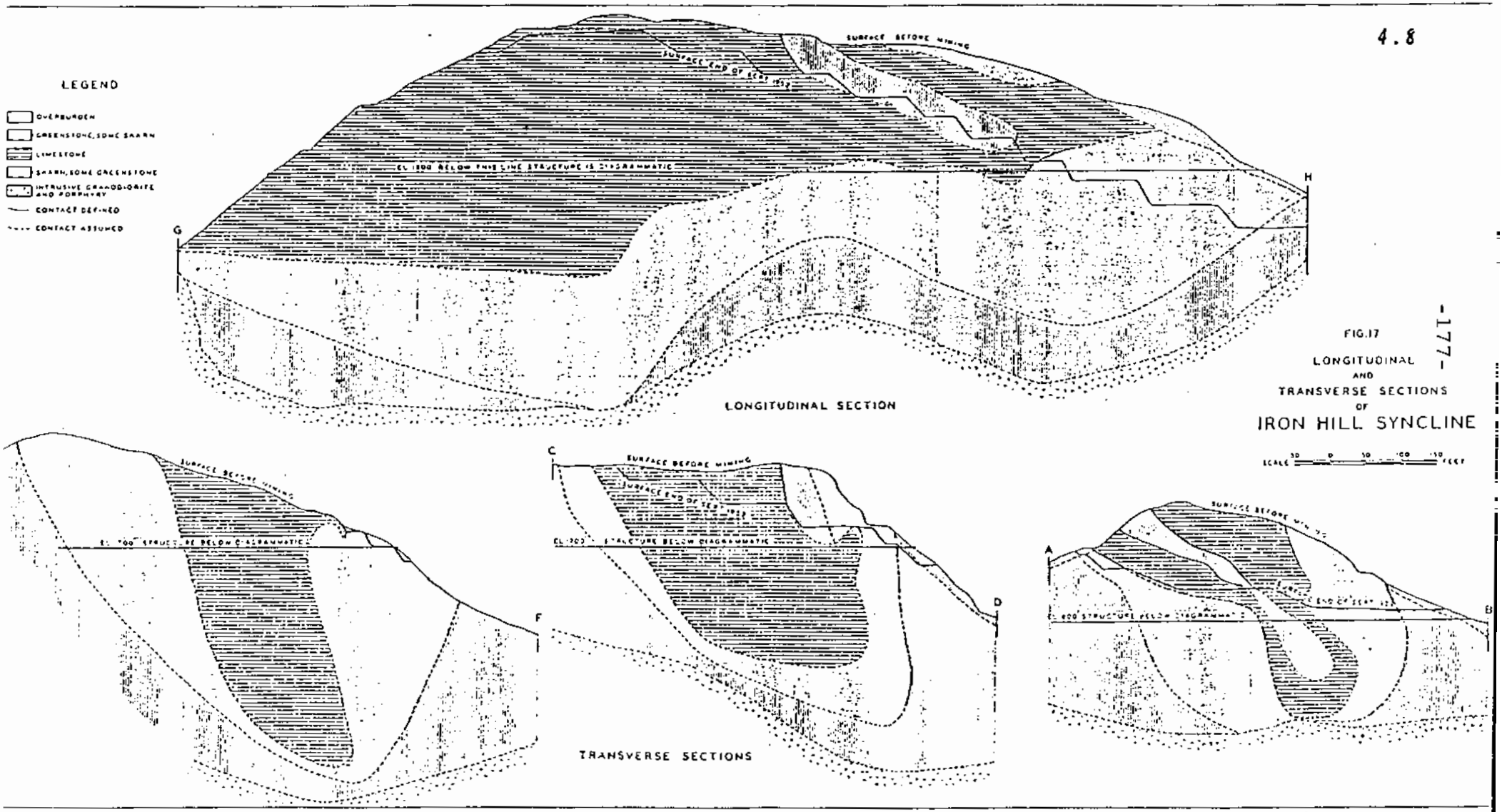
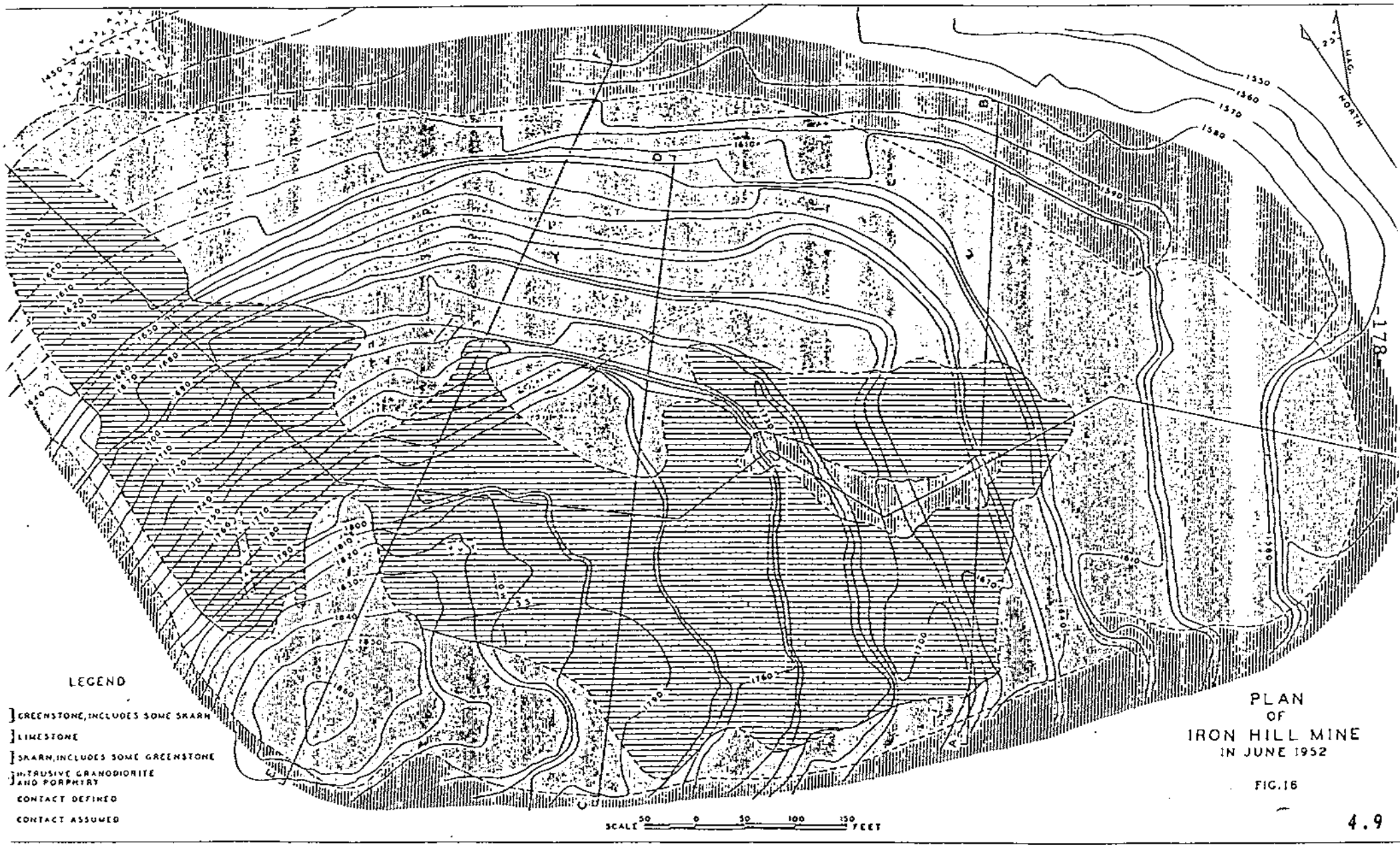


FIG.17

LONGITUDINAL AND TRANSVERSE SECTIONS OF IRON HILL SYNCLINE


LEGEND
GREENSTONE, INCLUDES SOME SKARN
LIMESTONE
SKARN, INCLUDES SOME GREENSTONE
INTRUSIVE GRANODIORITE AND PORPHYRY
CONTACT DEFINED
CONTACT ASSUMED
SCALE 50 0 50 100 150 FEET
MAG. NORTH
PLAN
OF
IRON HILL MINE
IN JUNE 1952
FIG. 16
178
4.9

APPENDIX

APPENDIX 1

QUINSAM 1 CLAIMS AN ITENIZED COST STATEMENT

Prospecting, 92 days.....	$ 9,200.00
Transportation and Accommodation.....	$ 4,630.00
Sample Analysis.....	$ 1,386.00
Research, documentation, report.....	$ 1,000.00
Total	$16,216.00

Respectfully submitted,

Jean-Pierre Loiselle
Box 1003
Campbell River
Vancouver Island, B. C.
V9W 4Z8

APPENDIX 2

STATEMENT OF QUALIFICATIONS

I, Jean-Pierre Loiselle, Campbell River, British Columbia, hereby certify that:

I graduated from different mineral exploration courses for prospectors:

1970 Ecole Polytechnique de Montreal
1973-1974 C.I.P.R.A. CEA razes France
1985 B. C. and Yukon Chamber of Mines, Vancouver, B. C.
1986 B. C. Government Mesachie Lake, Vancouver Island

I have worked in mineral exploration since 1970 for different mining companies in Canada: Quebec, Ontario, Saskatchewan, British Columbia and the North West Territories. In the U. S. Nevada, California, New Mexico and Colorado.

Jean-Pierre Loiselle
Dated at Campbell River, B. C.
This: January 20 - 1989