ARIS SUMMARY SHEET

District Geologist, Smithers Off Confidential: 92.09.24

ASSESSMENT REPORT 22089 MINING DIVISION: Liard

PROPERTY: Iskut Joint Venture
LOCATION: LAT 56 42 00 LONG 131 05 00
UTM 09 6285718 372431
NTS 104B11E
CLAIM(S): Hemlo West 12-16,Aurum 3-4,Hemlo West 18,Ver 1,Isk 1
OPERATOR(S): Prime Res.
AUTHOR(S): Robertson, S.
REPORT YEAR: 1992, 252 Pages
COMMODITIES
SEARCHED FOR: Gold,Silver,Copper,Lead,Zinc
KEYWORDS: Triassic-Jurassic,Tuffs,Granodiorites,Diorites,Siltstones
Greywackes
WORK
DONE: Geological,Geochemical,Geophysical,Physical
EMGR 1.6 km;VLF ,HLEM
FOTO 4500.0 ha
Map(s) - 1; Scale(s) - 1:10 000
GEOL 4500.0 ha
Map(s) - 2; Scale(s) - 1:10 000
LINE 2.0 km
MAGG 1.6 km
ROCK 130 sample(s) ;ME
Map(s) - 1; Scale(s) - 1:10 000
SILT 34 sample(s) ;MOSS;ME
SOIL 86 sample(s) ;ME
RELATED
REPORTS: 21041
MINFILE: 104B 317,104B 356,104B 357

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GEOLOGY, GEOPHYSICS and GEOCHEMISTRY REPORT

on the
ISKUT JOINT VENTURE PROPERTY

NTS 104B/11
Latitude 56°42'N Longitude 131°05'W
Liard Mining Division

for:
THE ISKUT JOINT VENTURE
(Prime Resources Group Inc., American Ore Ltd., and Golden Band Resources Inc.)

Work performed by:
INTERNATIONAL CORONA CORPORATION
#1440 - 800 West Pender Street
Vancouver, British Columbia
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S. Robertson B.Sc.
Geologist
January 15, 1992

edited by:
Don Lewis
Exploration Manager

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,089

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EXECUTIVE SUMMARY

The Iskut Joint Venture (IJV) property consists of ten contiguous mineral claims totalling 170 units (4250 hectares) centred on 56°42'N, 131°05'W (NTS 104B/11) approximately 100 kilometres north of Stewart in the Liard Mining Division. A two-claim internal block is held by Meridor Resources.

This report represents the summary of 1991 field and data compilation activities by International Corona Corporation, on behalf of Prime Resources and the Iskut Joint Venture, on the ISKUT property, situated immediately north of Cominco/Prime's Snip gold mine, along the Iskut River at the confluence with Bronson Creek. The intent of the 1991 program was to complete a comprehensive compilation of existing data, and to appraise the gold mineralization potential of the entire property.

Previous campaigns had concentrated primarily on delineating the limits of mineralization of the Hemlo West, Gregor, and Gorge/RPX showings on the West Grid. Between 1986 and 1990, exploration work included some 6019 soil samples, 204 stream silt sediment samples, 78 heavy mineral separates, over 1703 rock samples, and 3226 core samples selected from 6386 metres of diamond drilling in 42 DDH. A 325 line-kilometre airborne VLF-EM & Mag survey was flown in 1987 and an additional 12.5 line-kilometres of ground Mag, Max-Min and VLF-EM had been performed. Drill results include 3.96 g Au/t and 21.4 g Ag/t over 2 metres in DDH 87-05 (Hemlo West), and 14.6 g Au/t over 3.25 metres (RPX).

The regional geological setting is within the Stikine Terrane, on the western edge of the Intermontane tectonic belt, comprised of four tectonostratigraphic assemblages bounded by unconformities. The IJV property contains elements of three of these: the Palaeozoic Stikine assemblage comprised of thin-bedded metasediments with minor ash and crystal tuffs, Triassic-Jurassic volcano-plutonic arc complexes comprised of three kilometres of rapidly changing mixed volcanic and sedimentary rocks, basaltic to rhyodacitic volcanoclastic facies, comagmatic felsite stocks, and intrusive alkali feldspar syenite masses (such as the Bronson Stock), and the Coast granite-granodiorite batholith. Palaeozoic rocks exhibit the strongest deformation, while Mesozoic strata are generally sub-horizontal. High-angle faults are common and post-date flat faults. Some form well defined lineaments, traceable for kilometres on air photographs or satellite images.

Upper Triassic siltstone/wacke host the nearby Snip gold deposit's Twin Zone discordant shear-vein system which represents the primary exploration focus on the IJV property, which also, prior to 1991, was believed to have potential to host VMS polymetallic and alkaline porphyry style deposits.

During 1991 Corona performed 80 man-days of field work, investigating 15 of 18 identified targets, primarily investigating the source of previously recognized gold +/- copper in soils anomalies on the Southwest and East Grids. 124 rock, 86 soil, 24 moss mat, 10 silt and 6 whole rock samples were collected. A 1.6 kilometre HLEM, VLF-EM, & Mag orientation survey was conducted over the Gregor showing.

Pre-1991 and 1991 exploration data was compiled in digital format and presented on TRIM-sourced base maps, utilizing orthophoto control. The geochemical database consists of 3156 soil, 2478 core, 1406 rock, 118 silt and 24 moss mat samples. Certain of the 1988 data could not be retrieved due to lost records.

The low-order, coincident gold-copper soil geochem anomalies on the **Southwest Grid** are explained by Bronson Stock-related quartz veins containing similar tenor mineralization (ie: 100-500 ppb Au, up to 1000 ppm Cu). The intrusive and invaded country rocks do not display the type or magnitude of alteration typical of alkaline porphyry systems.

The geophysical response over the **Gregor** area indicating discontinuous point source sulphidic mineralization is consistent with previous drilling results.

The structural-stratigraphic relations of the **Hemlo West** polymetallic mineralization were not sufficiently examined, and remain enigmatic. Future work would include detailed surface and trench mapping (plus trace and whole rock geochemistry), followed by additional trenching in advance of diamond drilling.

1991 follow-up of soil geochem anomalies on the **East Grid** isolated three areas warranting trenching, detailed sampling and geologic mapping:

1. At L 68-72E, BL 46N, follow-up of a Au-in-soil anomaly in the vicinity of the "Meridor Break" uncovered auriferous (up to 100 ppb) narrow semi-massive sulphide bands within volcanics.
2. Near L 81E, 42N six mossmat/silt samples returned anomalous gold values (ie: 67-553 ppb Au [Note: study indicates that mossmat sample values are generally comparable with silt sediment values]) in an area of subdued relief with no bedrock exposure.
3. At L 70E, 40N selected quartz from sweats (generally 0.5 to 3 cm wide) from large angular talus blocks returned 769 ppb Au, 12.9 ppm Ag and 1.03% Cu; host rocks are barren of mineralization.

No other new gold-bearing mineral occurrences were discovered on the property during 1991, which completed the property-scale mineral potential assessment with the exceptions of the upper Verrett slopes and the lower slopes along the Iskut River.

The property remains prospective for Snip-style mesothermal vein gold mineralization, although traditional systematic geochemical and geophysical methodologies have been exhausted. The potential for Eskay-analog VMS deposits is considered low, due to the lack of widespread alteration and low magnitude trace element contents (particularly antimony and mercury). The IJV property is not prospective for alkaline or calc-alkalic porphyry deposits.

1.0 INTRODUCTION

Substantive field programs between 1987 and 1990, including some 6387 metres of diamond drilling, focused on three targets (Hemlo West, Gregor, Gorge/RPX zones) resulted in an imbalanced appraisal of the property's overall gold mineralization potential. The known showings did not display near-economic tenor, size and continuity and therefore do not warrant further investigation.

The Joint Venture's intent for 1991 was to achieve an overall mineral appraisal that would incorporate the following elements:

1. Preparation of an accurate topographic base map.
2. Compilation of all field data; preferably in digital format.
3. Follow-up on existing gold and/or copper in-soils geochemical anomalies, especially in the Southwest grid and west extension of the East grid areas.
4. Re-examine the polymetallic nature and controls in the Hemlo West area, particularly in light of the Eskay Creek deposit and Black Dog occurrence discoveries.
5. Prospect the balance of the property's stream drainages.

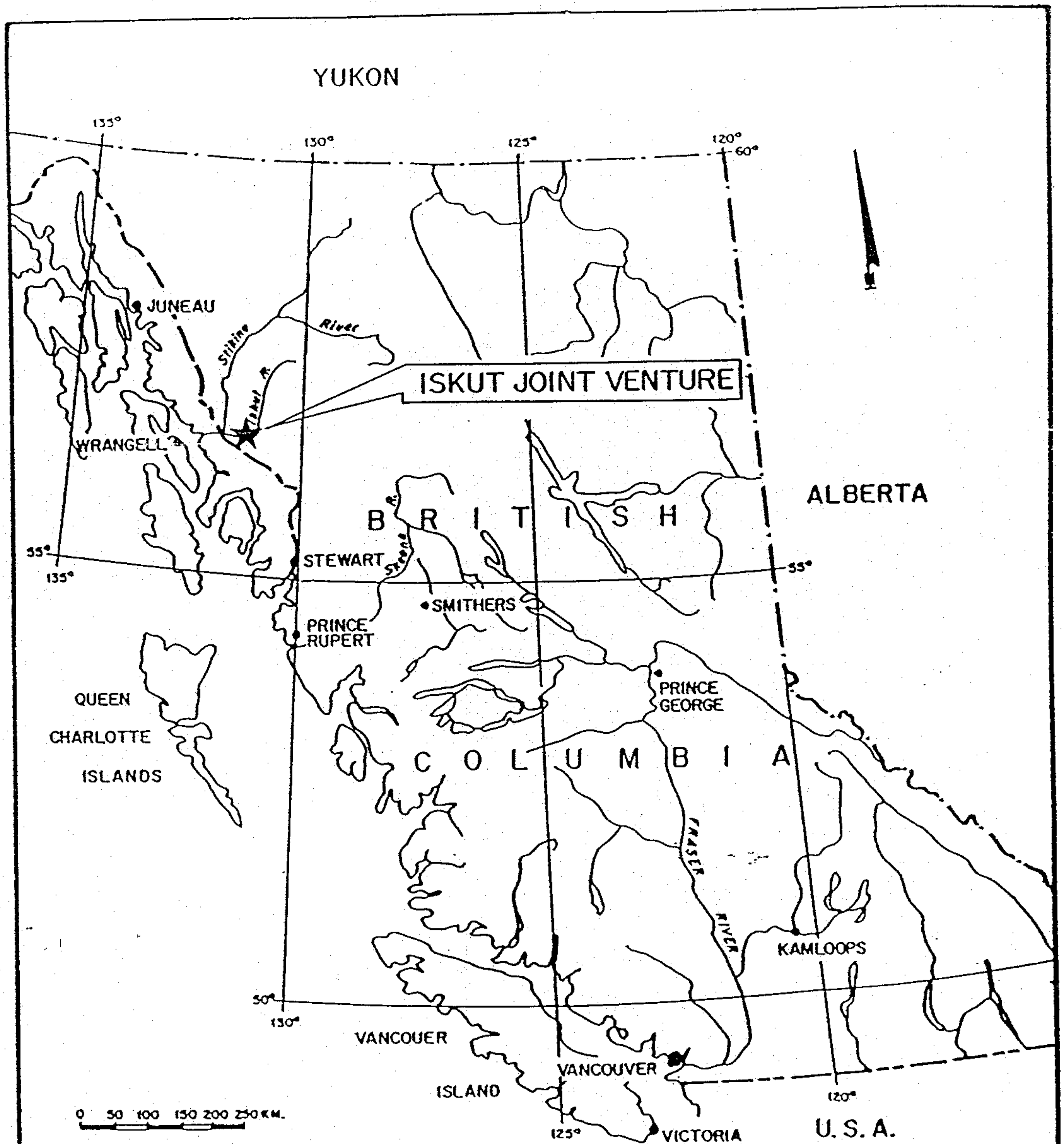
An original two-phased program with a budget of $240,000 was proposed by Keewatin Engineering. International Corona Corporation, on behalf of Prime Resources (ie: the IJV operator), proposed an alternative $120,000 program. The Joint Venture ultimately agreed to the Corona plan, which was subsequently modified to an approximate $75,000 program, due to fiscal and merit considerations.

This report represents the summary of these activities.

1.1 LOCATION AND ACCESS

The Iskut Joint Venture Property is centred on 56°42' north latitude and 131°05' west longitude on the 104B/11 NTS map sheet in northwestern BC (Figure #1).

Access is from Smithers (320 km southeast), Terrace (280 km south-southeast) or Wrangell Alaska (80 km west) by fixed-wing to the Bronson Airstrip, situated on southeastern corner of the property. A proposed road link along the Iskut River with highway #37 was postponed indefinitely during 1991 following the decision by Cominco to not fund the Volcano Creek junction - Bronson strip portion. The Cominco/Prime Resources Snip gold mine and exploration properties in the area are supported from Bronson, which is 1600 metres long and can accommodate a Hercules aircraft.



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PROPERTY LOCATION MAP

Figure 1

Most of the IJV property requires helicopter shuttles from Bronson to a number of helicopter pads that have been built over the past five years.

1.2 PROPERTY DESCRIPTION

The Iskut Joint Venture property, located in the Liard mining division, is comprised of a contiguous claim block which completely surrounds a two mineral claim property owned by Meridor Resources (Figure #2). There are 10 located mineral claims totalling 170 units, covering approximately 4250 hectares. A complete list of the claims and their status is provided as Table 1.

The property is owned one third each by American Ore Ltd., Golden Band Resources Inc and Prime Resources Group Inc. Prime Resources is the operator, with International Corona Corporation performing the 1991 program on behalf of Prime.

1.3 PHYSIOGRAPHY AND CLIMATE

Terrain in the area is rugged with steep slopes and deeply incised creeks. Maximum relief on the property is 1830 metres ranging from 70 metres elevation at the Bronson strip to 1900 metres on Mount Verrett. Vegetation consists of mixed conifers, slide alder, devil's club and a variety of undergrowth.

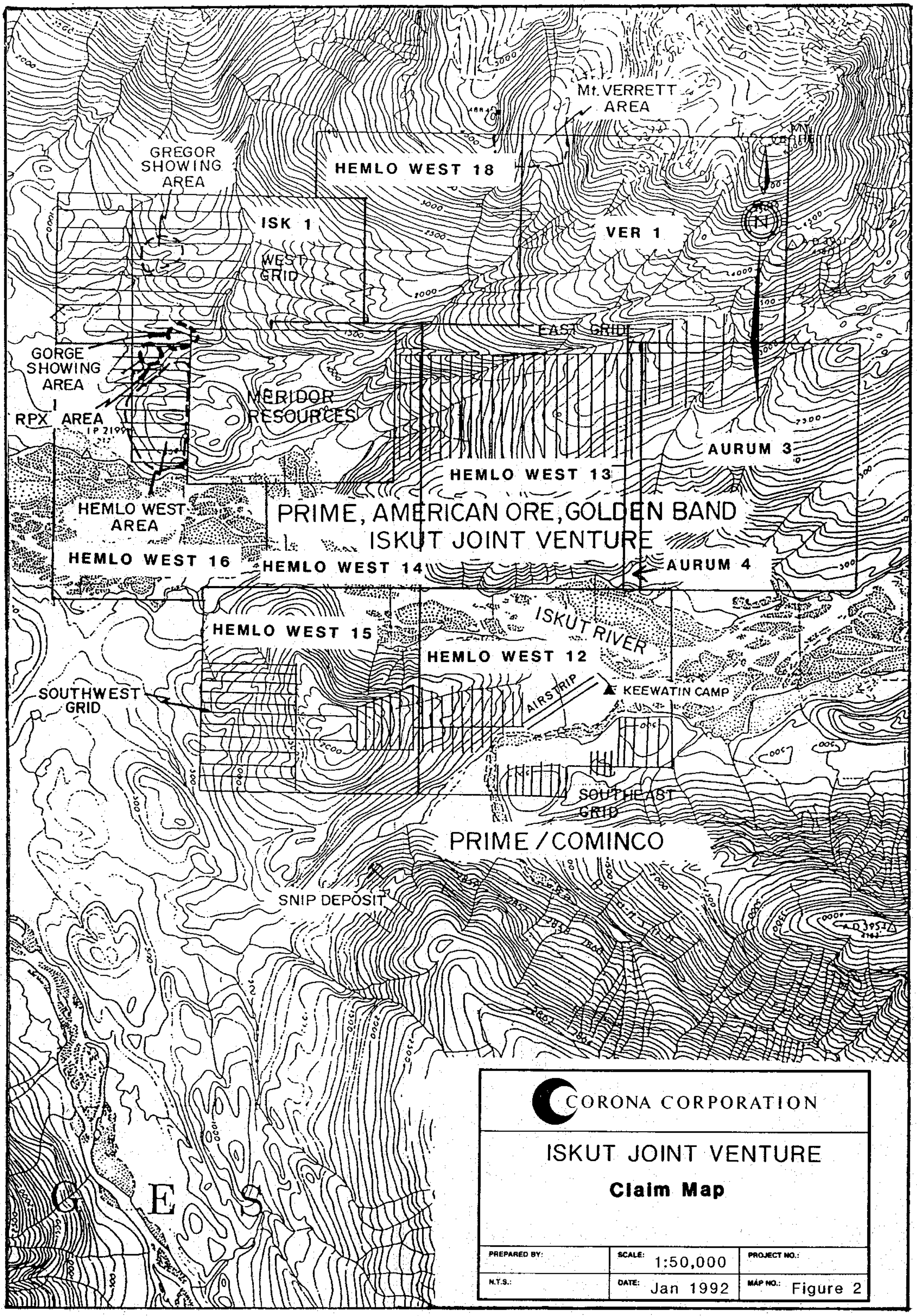
Annual precipitation is between 200 and 400 centimetres, and in the winters accumulations of snow are heavy, attaining a thickness of 3 metres at altitude. Temperatures are generally temperate. Prospecting can commence in May on southern slopes and little work can be done after the middle of October without considerable effort and expense.

1.4 PROPERTY HISTORY

The claims area now known as the Iskut Joint Venture (IJV) property (Figure #2) received minimal exploration activity prior to the mid 1980's. Since then, the discovery and development of several mineral deposits in the "Iskut Gold Camp", especially the adjoining Snip deposit, initiated considerable exploration activity on the property and in the district.

Following is the work history of the IJV property as described by Kerr (1948) and Pegg (1991):

> *The earliest claims "werestaked by the Iskut Mining Company in 1906, and some work was done on them almost every year until 1930. During 1929*



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ISKUT JOINT VENTURE

Claim Map

PREPARED BY:	SCALE: 1:50,000	PROJECT NO.:
N.T.S.:	DATE: Jan 1992	MAP NO.: Figure 2

TABLE 1

LIST OF CLAIMS

Province : B.C Mining Division: LIARD Land District : Lat./Long. : NTS : 104B/11 Location: BRONSON CREEK, BC Royalty i) . ii) iii)	Operator : INTERNATIONAL CORONA CORP Owners 1) PRIME RESOURCES GROUP INC 2) AMERICAN ORE LTD. 3) GOLDEN BAND RESOURCES INC J.V. Part.(%): PRIME RES. - 33.3% : AMER.ORE - 33.3% : GOLDEN BAND - 33.3% : :

LOCATED MINERAL CLAIMS

CLAIM	UNITS	AREA (ha)	RECORD NO.	RECORD DATE	EXPIRY DATE	WORK REQUIRED
HEMLO WEST 12	20	500.0	2518	1982.09.29	2000.09.29	4,000.00
HEMLO WEST 13	20	500.0	2519	1982.09.29	2000.09.29	4,000.00
HEMLO WEST 14	15	375.0	2520	1982.09.29	2000.09.29	3,000.00
HEMLO WEST 15	16	400.0	2521	1982.09.29	2000.09.29	3,200.00
HEMLO WEST 16	20	500.0	2522	1982.09.29	2000.09.29	4,000.00
AURUM 3 #	20	500.0	2624	1982.11.24	1998.11.24	4,000.00
AURUM 4 #	5	125.0	2625	1982.11.24	1998.11.24	1,000.00
HEMLO WEST 18	16	400.0	2632	1982.12.16	2000.12.16	3,200.00
VER 1	20	500.0	3714	1986.12.04	2000.12.04	4,000.00
ISK 1	18	450.0	3715	1986.12.04	2000.12.04	3,600.00
Total: 10 Claims	170	4250.0			$	34000.00

ISKUT JOINT VENTURE

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Note: Expiry Dates for Aurum 3 and Aurum 4 reflect work filed after 1991 field program.

claims were staked by the Consolidated Mining and Smelting Company in a belt practically surrounding those of the Iskut Mining Company. The property of the Iskut Mining Company has been mentioned in various reports of the Minister of Mines for British Columbia from 1911 to 1933." (Kerr)

In 1964, the project area was staked by Iskut Silver Mining Ltd during their search for porphyry copper deposits. This company undertook prospecting, trenching, geochemical and geophysical surveys and drilling (4 holes, 69 m) during 1965 and 1966. In 1970, the property was optioned to the Cerro Mining Company Ltd. who did prospecting, geological mapping and geochemical sampling. The option was then dropped and picked up by Amax Potash Limited the following year. Work included soil, silt and water sampling as well as geological mapping. These claims were eventually dropped.

In 1982, the present Iskut Joint Venture property was staked by the Alpha Syndicate. The Syndicate optioned the property to the Apex Energy Corp. who did 21.2km of line-cutting, geological mapping (1:10,000) and collected 475 soil, 36 rock and 44 silt samples for multi-element analysis. The option was subsequently dropped. In 1986 the property was acquired by Delaware Resources Corp who did geological mapping and collected 287 soil, 51 silt and 12 rock samples for gold and silver analysis. The following year, Prime Resources Corporation (nee Delaware Resources Corp) optioned the property to American Ore Ltd and Golden Band Resources Inc.

During 1987, Taiga Consultants Ltd performed geochemical surveys on four grids and reconnaissance-style contour soil sampling in selected areas of the property. Geological mapping and prospecting was carried out in conjunction with these surveys. A total of 3250 soils, 153 silts and 804 rock samples were collected and analyzed for gold and silver. In addition, 78 heavy mineral samples were collected and analyzed for gold, silver, copper, lead and zinc. The soil survey outlined a number of areas which were anomalous in gold and silver, especially on the Southwest Grid, the West grid and north of the East grid. Five trenches and eight drill holes (956 metres of BQ core) tested the gold-in-soil anomalies on the southern part of the West ("Hemlo West") grid. A total of 945 core samples were collected and analyzed for gold, silver, copper, lead and zinc. All of the drill holes reported elevated gold values with the best intercept being 3960 ppb Au and 21.40 ppm Ag over a 2.0 m core length in DDH JV87-05.

During 1988, Prime engaged Keewatin Engineering Inc to perform geological, geochemical and geophysical surveys, concentrating on the Gorge and Gregor areas. A 325 line-km airborne Aerodat VLF-EM and Mag survey was flown over the property during the spring. A total of 1809 soil samples and 490 rock samples were collected and analyzed for gold, silver and copper. Geological mapping and prospecting were carried out during the coarse of the geochemical survey. The discovery of the auriferous Gorge and Gregor showings led to more detailed geochemical sampling and mapping. An eight line-km VLF-EM and MAG survey was completed over an east-west grid in the Gregor area and a trench was excavated on the

Gregor showing. Hydraulic sluicing was performed at the Gorge showing. Drilling, totalling 1759.5 metres in ten holes, was done in both showings' areas. 945 core samples were split and analyzed for gold and silver (±copper). During the fall of 1988 a legal survey of Meridor Resources' west boundary was completed and the common legal corner post of their Iskut 1 and 2 claims was located with respect to various bench marks on the Snip property.

Meridor has, apparently, completed 17.925 of line-cutting, 33 hand trenches, 14 blasted trenches and 97 drill holes (9565 m) in 1987 and 1988. This property has been inactive since January of 1989.

During 1989, Keewatin conducted geological and geochemical surveys on the western side of the property. The Gorge and Gregor showings' area was designated as the focus of the two phase program. Grid establishment, "in-fill" soil sampling, surveying, prospecting and geological mapping were completed in the target area. Previously obtained gold-in-soil anomalies and mineral occurrences were also investigated. Re-interpretations of the known showings led to further sampling, prospecting, geophysical surveys and trenching. Preliminary, follow-up prospecting and geological surveys were carried out in the "Hemlo West" and "Mount Verrett" areas during the latter part of the first phase of exploration. The 1989 work included 2.088 km of Max-Min and MAG, 2.423 km of VLF-EM and MAG, 6.27 km line cutting, 13.53 km grid establishment, 2.06 km of surveying and the investigation of more than 53 gold-in-soil anomalies. A total of 673 soil, 397 chip/grab and 1336 core samples were collected. Field personnel also blasted, mapped and sampled a trench in order to test a re-interpretation of the Gregor area mineralization. The trench excavated across the 480 x 10 to 90 m wide, west-southwest trending gold-in-soil anomaly in the Gregor area revealed an erratically gold-bearing andesitic tuff breccia unit. Chip sample results from this unit averaged 0.133 oz/t gold over 7.0 metres, which included 0.376 oz/t gold across 1.0 metre.

During October and November, drilling of the Gorge/Gorge South area was completed. This program consisted of ten drill holes (1704.7 m) which tested several targets including geophysical and geochemical gold anomalies and possible on strike/down dip extensions of the Gorge mineralization. The drilling led to the discovery of gold mineralization, some 300 m west-southwest of the Gorge showing, which was named the RPX zone. Drilling of the RPX zone indicated that the intercepts of up to 0.427 oz/t gold over a core length of 3.25 metres are hosted by apparent east-west trending shear structures in altered metasediments.

The 1990 field program consisted of two phases of exploration and prior to the field work, a re-interpretation of the 1988 airborne VLF-EM and MAG surveys. During June and early July, Keewatin carried out drilling in the Gorge, RPX and Gregor areas, which consisted of ten diamond drill holes (1676.1 m). One of the holes attempted to test, at depth, drill hole I89-1's auriferous intercepts from the Gorge Showing area. Results confirmed the inconsistency of extent and grade of mineralization related to the Gorge showing. Four holes were drilled to test possible along strike/down dip *extensions of the RPX mineralization with similar results. Another two holes were drilled between the Gorge and RPX areas in order to probe for possible blind mineralization related to the Gorge Creek structure. The remaining three holes were drilled in the Gregor area to test the gold-bearing tuff encountered in the 1989 trench. Results indicate a thinning of the host tuff horizon to the west of hole I90-10. In October, Keewatin field personnel carried out geochemical, geological and prospecting surveys on the western portion of the southwest grid. A new baseline was cut and seven cross-lines and a tie-line were established for control as most of the previously established grids were found to be inaccurate. The crews also attempted to complete follow-up work on previously obtained gold/copper-in-soil anomalies, chasing alkaline porphyry copper-gold mineralization. During late October and early November, a second phase of diamond drilling was carried out in the Gregor area consisting of four holes (289.25 m) testing the gold-bearing tuff breccia encountered in hole I90-10, both along strike and down dip. All of the drill core was split/cut and sent for analysis. The remaining core has been stacked or stored in core racks at Keewatins' Bronson Creek camp site."*

1.5 GEOLOGY

1.5.1 District & Local Geology

[Adapted from Britton, Fletcher and Alldrick, 1990, (see Figures #3 & #4)]

The regional geological setting is within the Stikine Terrane, on the western edge of the Intermontane tectonic belt. Four tectonostratigraphic assemblages, bounded by unconformities are found in the 104B map area:

Y *Tertiary Coast plutonic complex,*
Middle and Upper Jurassic Bowser overlap assemblage,
Triassic-Jurassic volcanic-plutonic arc complexes, and
O *Palaeozoic Stikine assemblage.*

Three of the assemblages (excluding Bowser sediments) are represented in the area shown in Figure #4. Most strata are Upper Triassic to Lower Jurassic volcano-sedimentary arc-complex lithologies characterized by rapid facies changes. Strata have been cut by a variety of plutons representing at least four intrusive episodes spanning Late Triassic to Quaternary time. These included synvolcanic plugs, sills and stocks, minor dyke swarms, isolated dykes and sills, as well as the batholithic Coast plutonic complex. The stratigraphic sequence has been folded, faulted and metamorphosed mainly during Cretaceous time, but some Palaeozoic strata are polydeformed and probably record an earlier deformational event. Contacts between lithostratigraphic sequences within the area are not well exposed: commonly they are covered with moraine, disrupted by faults, or invaded by large intrusions such as the Lehto batholith and the Coast plutonic complex.

<u>Palaeozoic:</u> *The Palaeozoic Stikine assemblage is observed in outcrop west of the Craig River and northeast of Mount Verrett. Rocks tentatively assigned include abundant fine-grained, thinly layered, biotite-rich quartzofeldspathic gneiss, phyllite,*

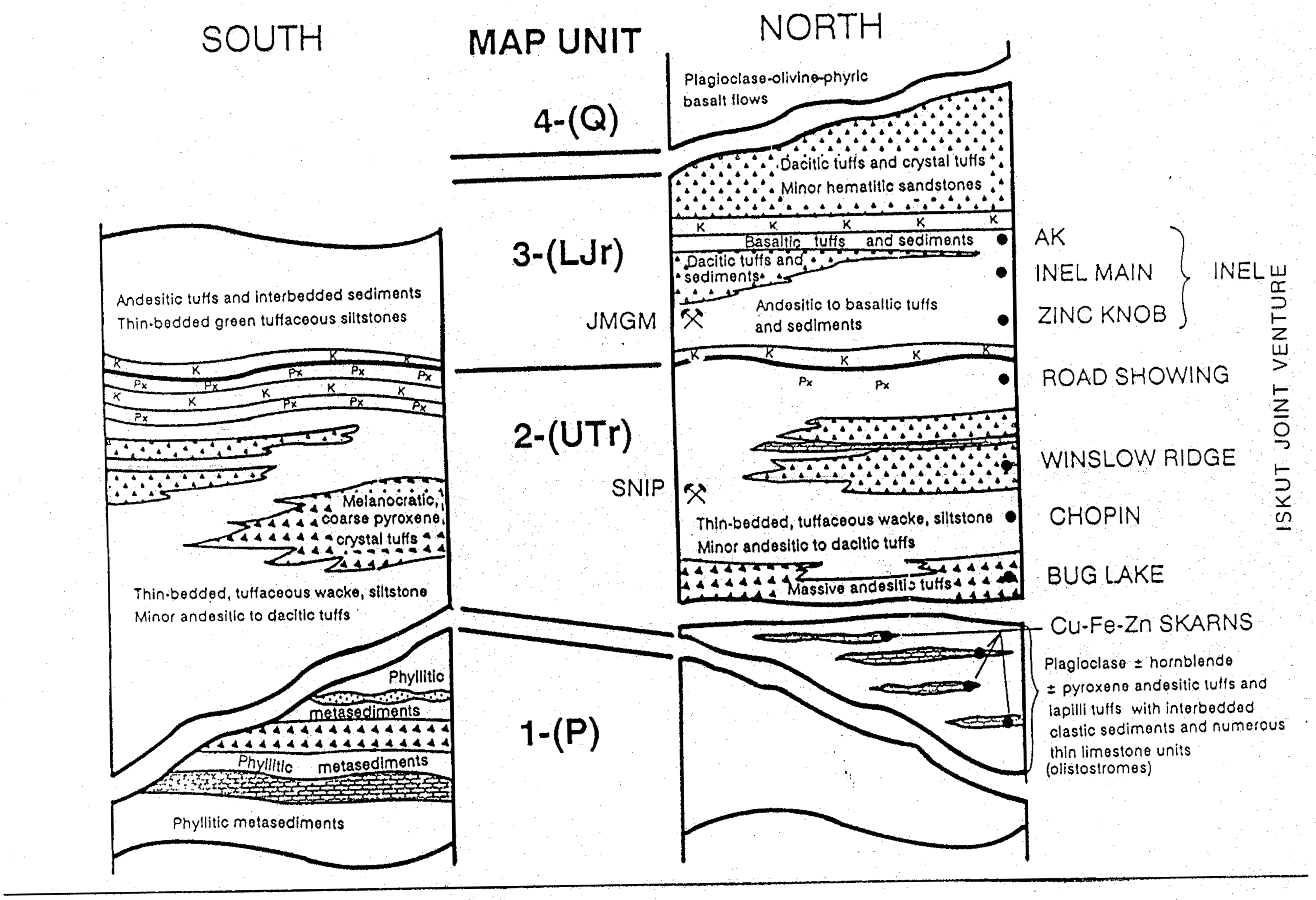

Figure 3

STRATIGRAPHIC COLUMN FOR THE SNIPPAKER MAP SHEET. Britton et al (1990).

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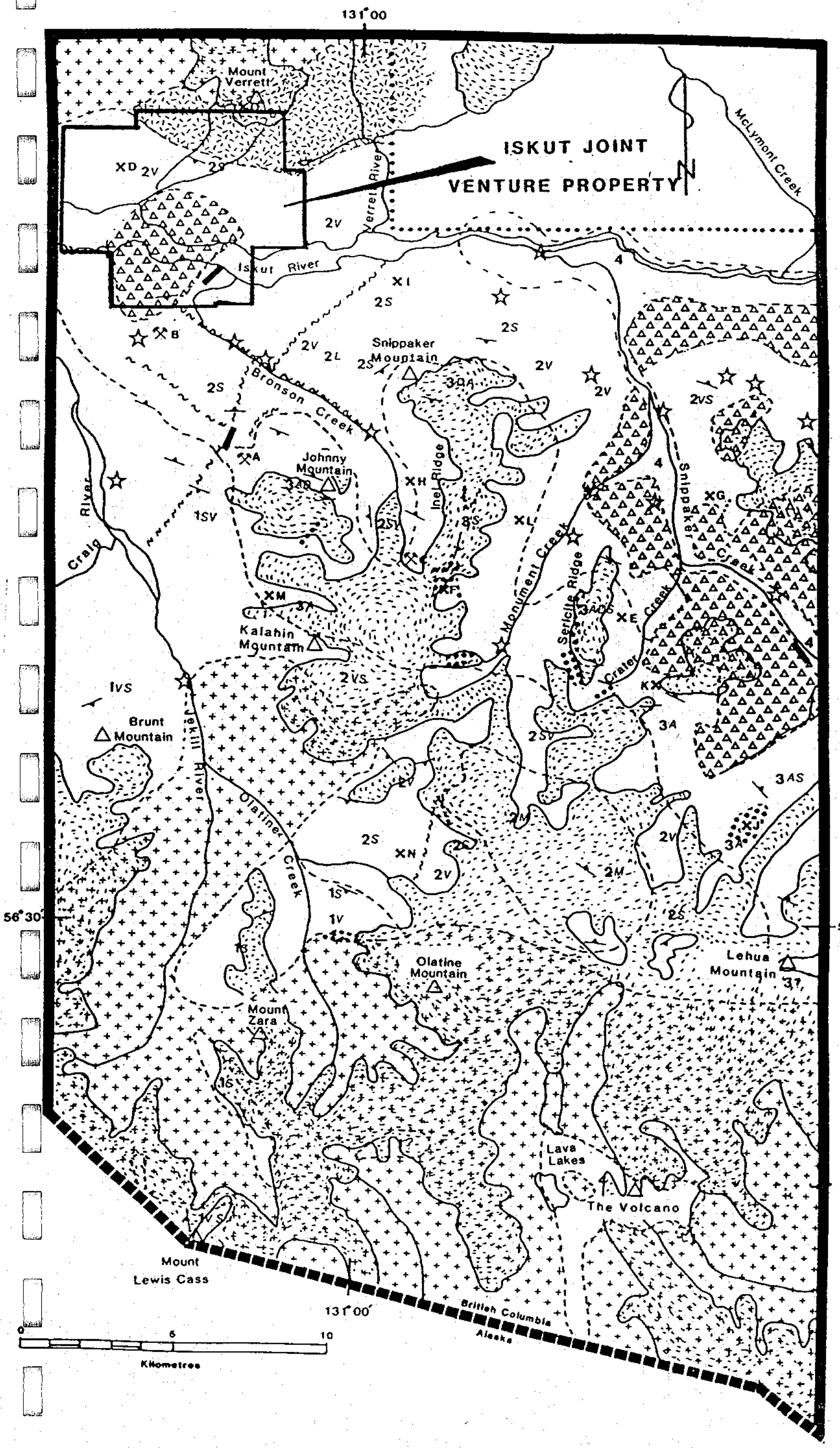
Figure 4

Geology of the Snippaker Map Sheet.
Britton et al, 1990



SYMBOLS

- Contact
- Compositional layering (bedding, foliation)
- Airstrip
- RGS gold values > 90th percentile
- Limit of mapping
- Mine, developed prospect
- Prospect
- Gossan

PROSPECTS

	NAME	COMMODITY
A	Johnny Mountain	Au,Cu,Ag
B	Snip	Au,Cu,Ag,Pb,Zn
C	INEL	Au,Ag,Cu,Zn,Pb
D	Gorge/Gregor	Au,Ag
E	Sericite Ridge	Au,Cu,Fe
F	Khyber Pass/Pyramid Hill	Au,Cu,Zn
G	Josh	Au,Cu,Pb,Zn
H	Cathedral Gold	Au
I	Bug Lake	Au,Pb,Cu,Zn
J	Pins	Au,Ag,Cu,Zn,Pb
K	Lake Area	Au
L	Wolverine	Au,Cu,Pb,Zn
M	Pez-Dan	Au,Ag,Cu,Pb,Zn
N	Still	Au,Ag,Pb,Zn
O	Mount Verrett	Au

LEGEND

INTRUSIVE ROCKS

Tertiary		Biotite Quartz Monzonite to Granite
Early Jurassic		Lehto and Iskut River Plutons Monzonite; Quartz Diorite; K-feldspar Porphyry Hornblende Monzodiorite
Late Triassic		Hornblende Diorite

STRATIFIED ROCKS

Cenozoic	4	Basalt Flows, Tephra
Mesozoic LJr	3	Andesitic (A) to Dacitic (D) Volcanics (with < 40% sedimentary strata (S))
Mesozoic UTr	2	Sediments (S) and Intermediate Volcanics (V) Leucocratic Dacitic Tuffs (L) Melanocratic Basaltic Tuffs (M)
Paleozoic	1	Metamorphosed Sediments (S) and Tuffs (V) (may include metamorphic equivalents of Triassic rocks)

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metawacke, metatuff and thin recrystallized limestone (marble). The gneisses were probably derived from tuffaceous siltstones and sandstones, with minor ash and crystal tuffs, and are the most structurally complex in the area: two phases of penetrative deformation have been observed. The contact between Palaeozoic rocks and overlying Mesozoic strata is probably an unconformity, based on relative states of deformation.

Mesozoic: Most of the stratified rocks in the area are Mesozoic. Strata form a thick (3 kilometres) sequence of mixed volcanic and sedimentary rocks. Facies changes, minor unconformities and the paucity of distinctive marker horizons make stratigraphic correlation difficult. Extrusive rocks are mostly volcaniclastic: pyroclastic units with derived epiclastic facies. Plagioclase, pyroxene and hornblende are common phenocrysts; distinctive coarse potassium feldspar is minor but important. Compositions range from basalt to rhyodacite, but most are andesite to dacite. Sedimentary rocks are volcanic-derived siltstone, wacke and conglomerate with minor amounts of limestone, either as relatively pure lenses or as calcareous mudstones. Limestone decreases upwards in the section and is rare in Hazelton strata.

Upper Triassic: Most of the volcanic rock in the Triassic succession is basaltic to andesitic with plagioclase and pyroxene as the principal phenocrysts, characteristic of the Stuhini Group. Pyroclastic units are more common than flows, but many outcrops are massive and difficult to classify. For example, a thick, monotonous sequence of fine-grained, medium to dark green, feldspar porphyry andesite underlies the lower slopes of Mount Verrett (ie: on the IJV property) and extends across the Iskut River to Bug Lake. These rocks are moderately to completely recrystallized north of the Iskut and could be either massive crystal tuffs or flows. There area some lapilli tuffs and tuff breccias around Bug Lake, but fragmental textures are generally absent.

Triassic sedimentary rocks are mostly siltstone with minor fine-grained wacke. Thin rhythmic bedding is common. In the north they are interbedded mudstone, lithic wacke, feldspathic wacke, minor conglomerate and limestone lenses, with locally abundant fine-grained volcaniclastic material-ash tuff or volcanic sandstone. These rocks host the Snip deposit and other prospects uphill from Bug Lake and on lower Bronson Creek. A sequence of light grey-green, waxy, dacitic pyroxene-plagioclase crystal and lapilli tuffs has been identified only on Winslow Ridge and appears to be conformable within the thick sedimentary sequence.

Lower Jurassic: Jurassic strata are mainly andesitic to dacitic fragmental volcanics with minor basaltic tuffs and lesser amounts of siltstone, wacke and conglomerate. Marked lateral facies changes, lithologic heterogeneity and variable rock colours (grey, green, maroon, and mottled combinations of these) are common.

On Johnny Mountain, the Jurassic strata consists of three main units. The lower unit is a plagioclase-phyric andesitic to dacitic crystal and ash tuff, lapilli tuff and agglomerate. In some of these rocks, the plagioclase phenocrysts are rounded, suggesting they have been reworked. The middle unit conformably overlies the lower unit and consists of grey and tan dacitic *volcanic rocks. They include flow-banded and welded ash tuffs as well as well-bedded ash and lapilli tuffs with rhyodacite clasts. The upper unit comprises dark grey-green, flaggy, well-foliated basaltic andesite ash tuffs with minor siltstone and wacke interbeds.*

On Snippaker Mountain and extending southward, the Jurassic sequence includes at least 300 metres of matrix supported, polymictic pebble to cobble conglomerate with minor siltstone and wacke interbeds. The unit grades laterally and upwards into green volcanic conglomerate and lithic lapilli tuff. These conglomerates are locally overlain by thin-bedded, salt-and-pepper lithic arenite and siltstone with carbonized plant remains.

Quaternary: Pleistocene and Recent basaltic lava flows, cones and tephra occupy the valleys of the Iskut River, Snippaker Creek and Lava Lakes. These olivine and plagioclase phyric, often strongly vesicular flows are part of the north-trending Stikine volcanic belt of Miocene to Quaternary eruptive centres.

INTRUSIVE ROCKS: The oldest intrusives in the area are sills, dykes and plugs of hornblende diorite that are contemporaneous with Triassic host rock volcanics. They are especially common in andesites located north of the Iskut River. There is a large hornblende diorite stock of this type on the south slope of Mount Verrett (ie: on the IJV property). The rock is texturally similar to the andesites it intrudes and consists of mesocratic medium to dark grey, fine-grained, anhedral granular diorite with fine plagioclase phenocrysts. The diorite is largely recrystallized and pervasively propyliticallyaltered. Near its contact with the Coast batholith it has pegmatitic zones up to 50 centimetres wide by 6 metres long consisting of coarse bladed intergrowths of hornblende and plagioclase with minor biotite. Against the batholith it is migmatitic with a swirled foliated fabric in the diorite that is cut by leucogranite dykes. Contacts with andesite are indistinct and may be in part gradational.

Jurassic intrusions include synvolcanic hypabbysal stocks as well as phaneritic plutons of considerable size. Synvolcanic intrusions are thought to be comagmatic and coeval with extrusive rocks. Examples include felsite stocks on Johnny Flats and the Inel property. These are leucocratic to holofelsic, cream to tan, porphyritic rocks with fine feldspar and quartz phenocrysts set in an aphanitic groundmass. Contacts are altered and sheared but the stocks appear to form sheet-like bodies that are crudely conformable with enclosing strata.

Phaneritic intrusions of probable early Jurassic age include the Lehto batholith, the Iskut River stock (ie: Bronson stock on the IJV property) and smaller plugs and dykes such as the Red Bluff porphyry. A common feature of these intrusions is the presence of coarse (up to 5 centimetres) potassium feldspar phenocrysts. The Iskut River stock consists mainly of the coarse potassium feldspar phenocrysts set in a fine to medium-grained groundmass. [Kerr, 1948, noted that "sediments in contact with the porphyry are impregnated with much pyrite, but otherwise are not greatly altered, and contacts with the intrusion are generally sharp. The volcanic rocks northwest of the mass are rather completely metamorphosed, so much that at many contacts the country rock has been converted into material much like the intrusive rock, thus making it appear as if the two were gradational. The intrusion contains angular and rounded inclusions that resemble altered volcanic rocks, and many of them, at their edges, show evidences of assimilation."]

The largest intrusive mass in the map area is the Coast Mountains batholith which occupies the southern quarter and northwestern corner of the map area consisting of medium-grained biotite and biotite=hornblende granite, granodiorite and rarely quartz diorite. Very little of it has been mapped. It is distinguished from Jurassic plutons by its fresh appearance, lack of foliation and shearing, minimal saussuritization and abundance of quartz. Biotite is either the sole mafic mineral or else is much more common than hornblende. There is little or no hydrothermal alteration of skarn developed along the intrusive contacts despite the presence of limestone units in the Palaeozoic country rocks. The age of these rocks is probably middle Eocene based on potassium-argon dating near Stewart.

Isolated dykes and minor dyke swarms occur locally in the area. In addition to local feeder dykes associated with the overlying volcanics, widespread biotite and hornblende lamprophyre dykes cut all other rock types including the Coast Mountains batholith [Note: The Twin zone is bisected and diluted by such a dyke]. They are typically isolated and narrow (up to 2 metres wide). The age of these dykes is probably Oligocene.

<u>STRUCTURE</u> : Palaeozoic rocks exhibit the strongest deformation. Folds range from crenulations through upright chevrons to recumbent isoclines with fold amplitudes of 100 metres. The largest folds plunge gently east-northeast. Crenulations and contorted open folds are also developed adjacent to faults in fine-grained sediments and tuffs of any age. These structures die out within a few metres of the fault zone.

At a regional scale the Mesozoic lithostratigraphic sequences form flat-lying packages, but Triassic and Jurassic strata show mesoscopic folds. Some of these are primarily depositional features such as convolute layering in welded tuffs, flow banding and soft-sediment slumps.

Many rocks, but especially fine-grained sediments, mafic tuffs and limestones, show intense foliation, boudinage and transposition of primary layering. Rock composition, especially mica content, largely determines the amount of foliation developed.

There is a widespread sub-horizontal cleavage in most Triassic and some Jurassic rocks. Locally this is expressed in sub-horizontal faults between blocks of differing competence. An example of this is the contact between Jurassic volcaniclastic and Triassic sediments on Johnny Mountain. The underlying siltstone exhibits folding, shearing and recrystallization that decreases in intensity away from the fault. Overlying dacitic volcaniclastic rocks which act as a competent unit also show increased strain near the fault but deformation is much weaker, amounting to minor shearing and recrystallization.

High-angle faults are common in the area and appear to postdate flat faults. Some form well-defined lineaments, traceable for kilometres and visible in radar images and air photographs. Most have small displacements on mappable faults like those seen on Johnny and Snippaker Mountains is in the order of a few hundred metres. Most faults strike northeasterly or northwesterly.

<u>METAMORPHISM</u> : Rank is generally low (ie: lower greenschist), although recrystallization is complete. Contact metamorphism occurs within 1 to 2 kilometres of the Coast Mountains batholith. The main effects are recrystallization with coarsening of grain size and replacement of mafic minerals by metamorphic biotite.

1.5.2 Mineral Occurrences

Potentially economic gold +/- silver, copper, zinc, and lead mineralization in the Iskut region is genetically classified as:

1. Mesothermal/transitional quartz-sulphide veins (ex: Snip Twin zone, Johnny Mountain, Sulphurets West zone, Silbak-Premier),
2. Stratabound/form VMS (ex: Eskay 21B, Granduc, Big Missouri, Black Dog, SMC zones) [?],
3. Alkaline Porphyry systems (ex: Galore Creek, Copper Canyon, Kerr, Sulphurets).

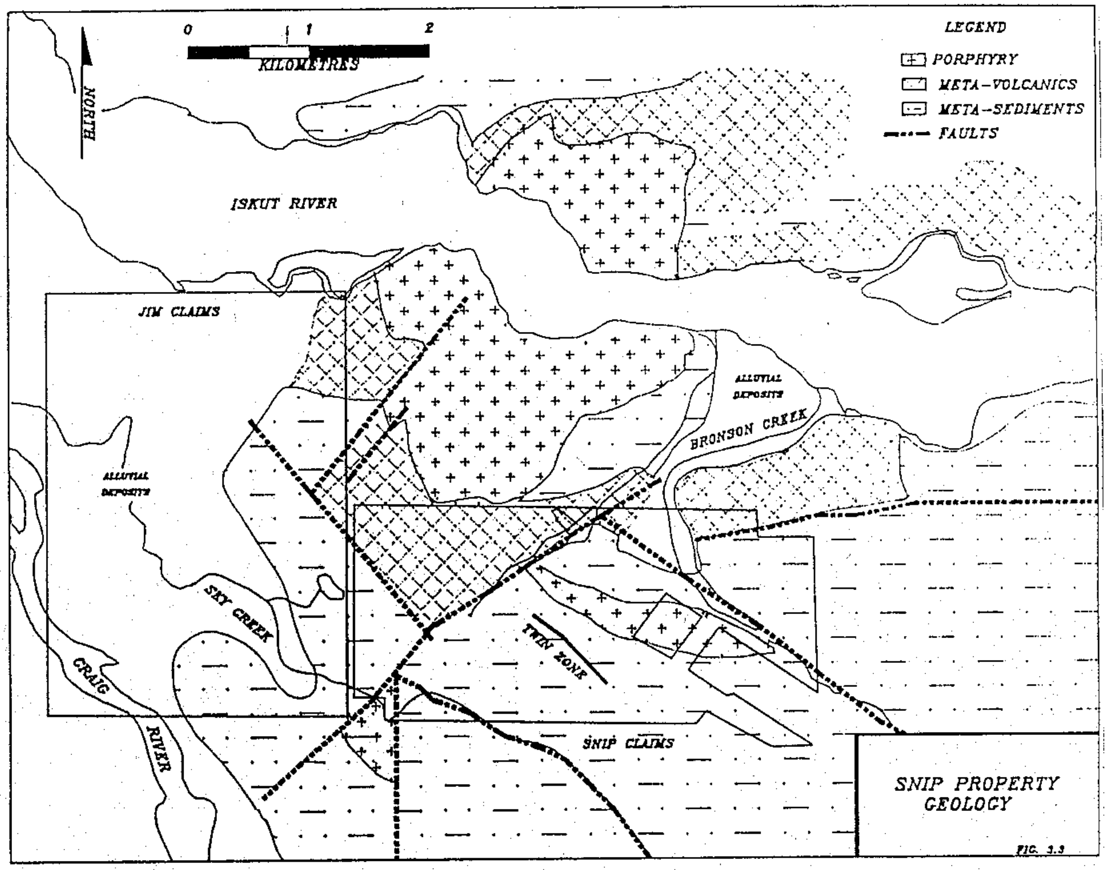
There is evidence that the IJV property is prospective for all three styles of gold mineralization, however the highest probability of success remains the Snip vein style, which has dominated exploration methodology since the realization of Snip's merits in 1986.

Mineral occurrences in the immediate vicinity of the Iskut Joint Venture property are:

1. The Snip Twin zone gold deposit: lies adjacent to the southern boundary of the Iskut JV property (see Figure #5). It is a one to ten metre thick (average 4.2 metres) discordant shear-vein system which cuts through a massively bedded feldspathic greywacke-siltstone sequence. The hosting grey to buff brown clastic sediments are regionally altered by extensive, pervasive, secondary biotite development and characterized by wide spread development of centimetre scale thick tension and gash veining filled with calcite-quartz-chlorite. These carbonate dominated unmineralized veins occur throughout the explored area of the Snip property extending several hundred metres into both the hangingwall and footwall of the Twin zone. The Twin zone strikes 120° and has dips ranging from 30° and 70° to the southwest. It has been traced by drilling over a strike length of 1000 metres and a vertical range from the 150 metre to 650 metre elevations. The undiluted ore reserves totalled 860,000 tons grading 1.05 oz Au/ton in 1989 (Snip personnel, 1990).

   Gold mineralization occurs in centimetre to metre scale alternating bands of: massive streaky calcite, heavily disseminated to massive pyrite, crackled quartz, biotite-

Snip Mine - Geology



Snip Mine - Twin Zone

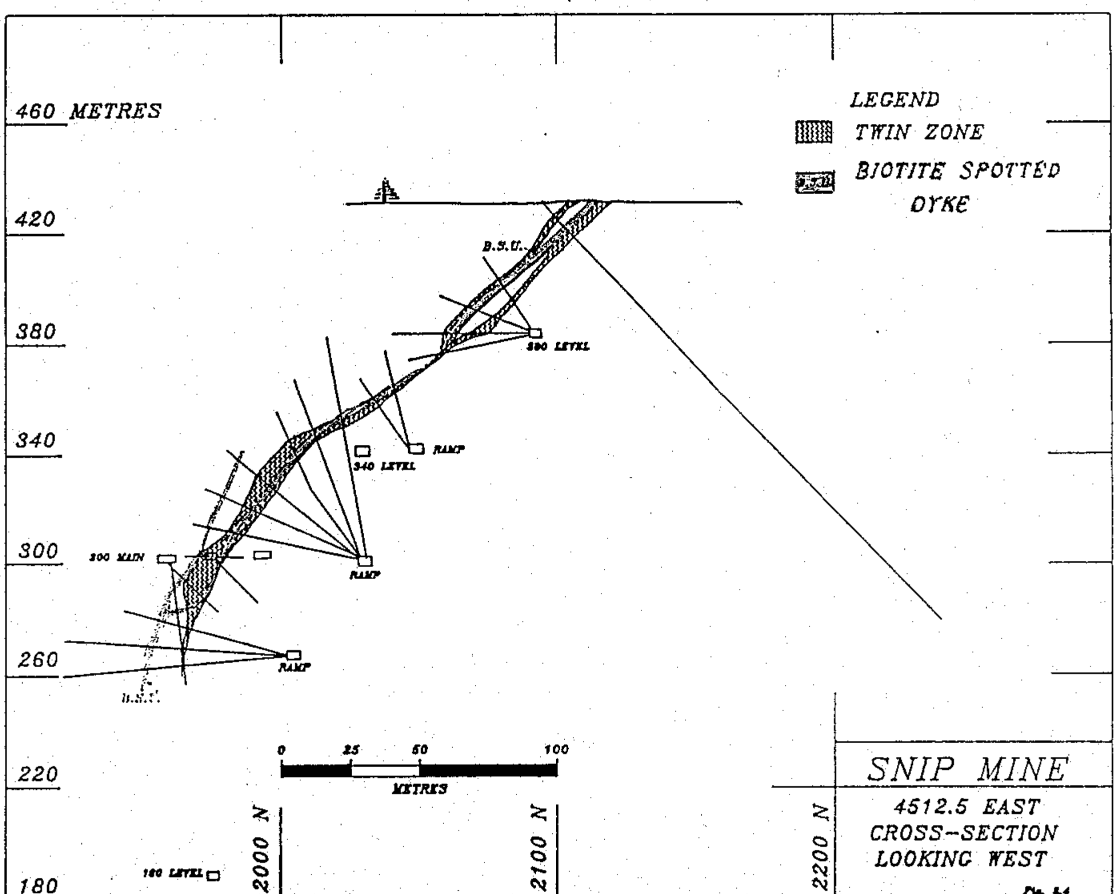


Figure 5

SNIP MINE: Geology Plan and Twin Zone Cross-Section annite, pyritic to non-pyritic fault gouge. Bands of sphalerite with locally massive arsenopyrite and minor disseminated chalcopyrite and galena also occur in the zone. Thicker sections (3 metres) show repetitive banding of all types. Twin zone contacts are sharp and well defined, with gold values in the immediate FW and HW generally less than 1 g Au/t.

[Important Note: Assuming minimal offset, the strike extension of the zone trends onto the IJV property, but no such extension has been identified to date.]

2. Johnny Mountain lies approximately 4 kilometres southeast of the Snip Mine and is also a mesothermal quartz-sulphide vein system. The several narrow northwest dipping (65°) quartz/sulphide veins are apparently associated with orthoclase porphyry dyke-metasediments contacts. Vein continuity is very poor, with numerous offsets caused by post-mineral SE-striking near vertical faults, as well as by gently rolling sub-horizontal faults. Mineable reserves totalled about 172,500 tons grading 0.6 oz Au/ton.

3. The Black Dog massive sulphide prospect, located on the Rock and Roll property, located 7 km west of the IJV property, is reported to be a stratigraphically controlled, disseminated to well laminated, semi-massive to massive sulphide horizon hosted within a sequence of volcanic and sedimentary rocks. The Black Dog Horizon has a thickness of approximately 25 metres, within which numerous semi-massive to massive lenses occur over widths of up to 10 metres. The mineralization strikes northwest-southeast, dipping 20°-30° to the southwest and has been drill tested over a strike length of 250 metres. Preliminary geological resources are 640,000 tons grading 0.072 oz/ton AU, 9.8 oz/ton Ag, 0.79% Pb, 3.08% Zn and 0.64% Cu (Prime Explorations, Vancouver Stockwatch, Sept 30 1991).

1.5.3 Property Geology (see Map #2)

As indicated in the District Geology discussion, the property is essentially underlain by gently folded, flatly to moderately dipping, undifferentiated Upper Triassic/Lower Jurassic porphyritic andesitic tuffs and flows, and volcanically derived sediments that have been intruded by the Upper Triassic Verrett diorite stock, the

Lower Jurassic Iskut/Bronson alkali feldspar syenite mass, and the Eocene Coast plutonic complex. Numerous steep faults transect the property, as evident on Landsat images and airphotos. Overburden varies from a thin layer of developed soil to greater than five metres of glacial diamicton and glacial-fluvial sediments. Continuous exposure of bedrock is limited to areas above tree-line and in incised valleys.

Volcanics are dominated by flows with tuffaceous horizons throughout. The tuffs can vary from crystal tuff, containing 2 - 3 mm feldspar crystal, to polymictic lapilli tuffs which contain 5mm pyroxene phenocrysts. North of the Iskut the volcanics are moderately to completely recrystallized, blurring primary depositional and contact relations.

Sediments are dominantly siltstones and greywackes occurring as both thin lenses within thick volcanic units and as thick extensive packages of either well bedded or massive sediments. These rocks are regionally metamorphosed to greenschist facies. The northwest and western sections of the property are dominated by the later with occasional volcanic horizons [ie: Kerr inferred that these were Palaeozoic sediments, in ambiguous contact with Triassic volcanics to the east].

The main intrusive body, the Bronson Stock, is located south and north of the Iskut River and is covered to the south by the Southwest Grid (Figure #2, Map #1). It has been dated by Pb isotope means at 205 $\pm$ 4 Ma (Macdonald et al, 1991). Smaller orthoclase porphyry intrusives with textural and chemical characteristics very similar to the Bronson Stock are found between the Gregor and Gorge areas (ie: the Gregor Stock) and in the northeast corner of the Meridor property. The northern boundary of the property crosses onto the southern edge of a large Tertiary diorite pluton, related to the Coast Plutonic Complex. The intrusive has caused some localized skarning in adjacent host rocks but the intrusive itself is generally unaltered. Lamprophyre dykes are found throughout the property in various orientations and sizes but are generally less than a few metres thick and cross-cut all other stratigraphy.

The property is transected by several prominent east-west lineaments and by fewer northeast-southwest features as plotted on Maps #1 & #2. The most prominent lineament is an east-west break extending from beyond the eastern property boundary, westward across the north end of the Meridor property, and disappears below the deep fluvial sediments in the Iskut River valley. The "Aurum" MinFile occurrence (#249: 0.2 oz Au/ton in a quartz vein) is associated.

The entire package has been regionally metamorphosed to lower greenschist facies. More intense alteration is found locally, associated with faults and intrusive contacts.

2.0 1991 WORK DONE

Pre-1991 work was compiled as presented in Map #1. 18 follow-up targets were identified.

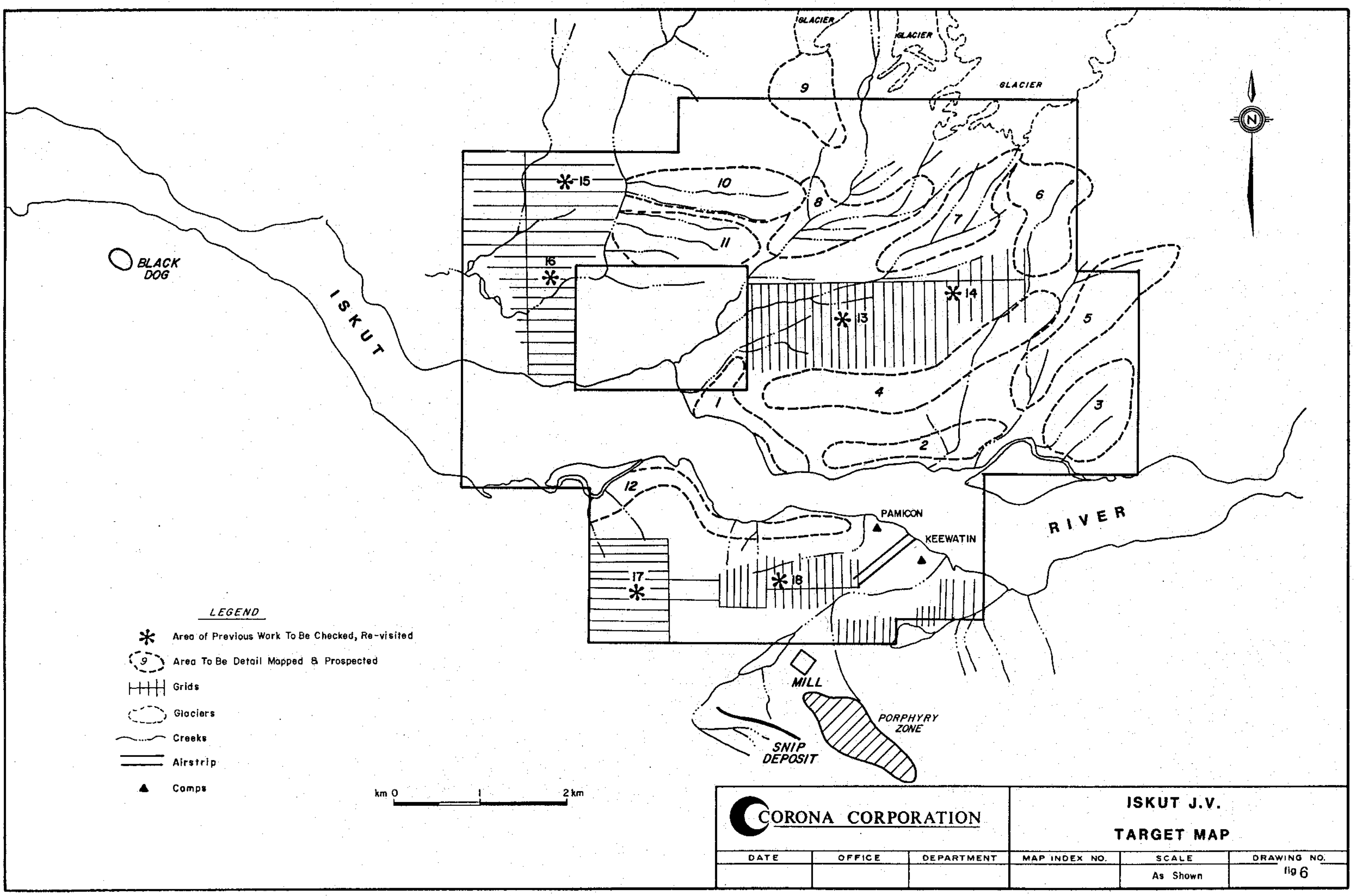
Corona's crew mobilized into Bronson on June 13 for 20 days. 15 of 18 target areas (Figure #6) were examined, and 124 rock, 86 soil, 24 moss mat, 10 silt, and 6 whole rock samples were collected. Four surviving targets were recommended for further examination on August 29. The Joint Venture elected to defer this and all other field activities pending the conclusion of the property data compilation, synthesis, and analysis.

An Orthophoto base map (Map #4) was created by combining airphotos flown by Cominco in July of 1982 and TRIM data, purchased from the government. [Note: The TRIM data for the area provides accurate topographic detail and includes various planimetric features so it can be used in isolation as a base map.]

Detailed follow-up soil sampling was done in the areas of geochemical anomalies from previous programs on the east grid, which could not be immediately explained by first pass inspection. A small slope corrected addition to the east grid (five lines, 200 to 250 metres long each) was installed, using hip chain and compass and soil sampled at 25 metre intervals (See Map #3).

The rock, soil, moss mat and silt samples were sent to Bondar-Clegg in North Vancouver for 29 element ICP analysis plus gold by Fire Assay AA. Complete assay certificates are provided as Appendix A. Rock descriptions are provided as Appendix B.

Geochemical results from rock, drill core, moss mat, silt and soil samples taken during the 1986 - 1991 field programs, were compiled into digital data files. The information was partitioned on the basis of sample type. Some of the 1988 data could not be retrieved from the lab due to Keewatin's loss of records containing the assay lab file numbers. Only rock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2
12
PAMICON
KEEWATIN
RIVER
17
18
MILL
PORPHYRY ZONE
SNIP DEPOSIT
LEGEND
Area of Previous Work To Be Checked, Re-visited
Area To Be Detail Mapped & Prospected
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fig 6

and drill core data from 1988 were manually transcribed from the 1988 property report. The resultant data is comprised of 3156 soil, 2478 drill core, 1406 rock, 118 silt and 24 moss mat samples [Note: certain elements and element groups were not consistently analyzed for].

Univariate and bivariate statistical calculations were completed. The results are provided as Appendices D & E.

3.0 1991 FIELD RESULTS

3.1 SOUTHWEST GRID

The Southwest Grid covers a significant portion of the early Jurassic Bronson Stock and its western contact with Triassic volcanic and sedimentary rocks. 1987 soil geochem resulted in 7 Au-in-soil, 23 Au-in-soil (unknown copper), 7 Au & Cu-in-soil, 14 Cu-in-soil, 4 Au-in-silt (unknown copper), and 1 Au & Cu in silt anomalies (Carter, 1991). Discrete gold values range up to 560 ppb, but are generally less than 100 ppb, and display poor lateral continuity. Copper values range up to 1000 ppm, and are not clearly correlated with gold content.

The discrete Au-in-soil geochemical anomalies within the grid are situated near discontinuous, contact related quartz veins with anomalous and comparable, but inconsistent gold values. The veins have not been properly trenched to fully expose their ultimate size potential, which is not considered to be extensive. As indicated by Kerr (1948) and 1991 Corona work, the intrusive appears fresh and does not exhibit the alteration assemblage characteristic of a mineralized porphyry system.

3.2 WEST GRID - GREGOR AREA

Four 400 metre-long slope corrected lines were installed using a compass and tight chain, oriented at 155^0 and centred on the Gregor showing and DDH 90-10. A VLF-EM survey was completed to determine whether or not the mineralized tuff would generate a traceable response, and indicate down dip or along strike extent. Ground magnetics readings were also collected, but unfortunately the data was lost during retrieval due to equipment malfunction.

The geophysical results are provided as Appendix B. In summary, the survey demonstrated that the disseminated to podiform sulphides are discontinuous. The HLEM survey detected a point-source conductor, coinciding with drill indicated gold-sulphide mineralization, indicating limited strike potential. The VLF survey did not detect the mineralized horizon, but did display a multi-line response tracing the volcanic - sediment contact south of the target horizon.

A sample (64074WR) of the relatively fresh pyroxene lapilli tuff which hosts the mineralized zone was selected from 1990 drill core, sent for whole rock analysis and indicates a basaltic composition (Figure #7).

3.3 WEST GRID - GORGE & RPX AREA

The Gorge showing and the RPX area were inspected with Rex Pegg (Keewatin Engineering, Project Manager: 1988 - 1990 programs) for orientation. Corona concurs that drill testing has been complete, with the low tenor and discontinuity of results indicating that gold is erratically and uneconomically distributed.

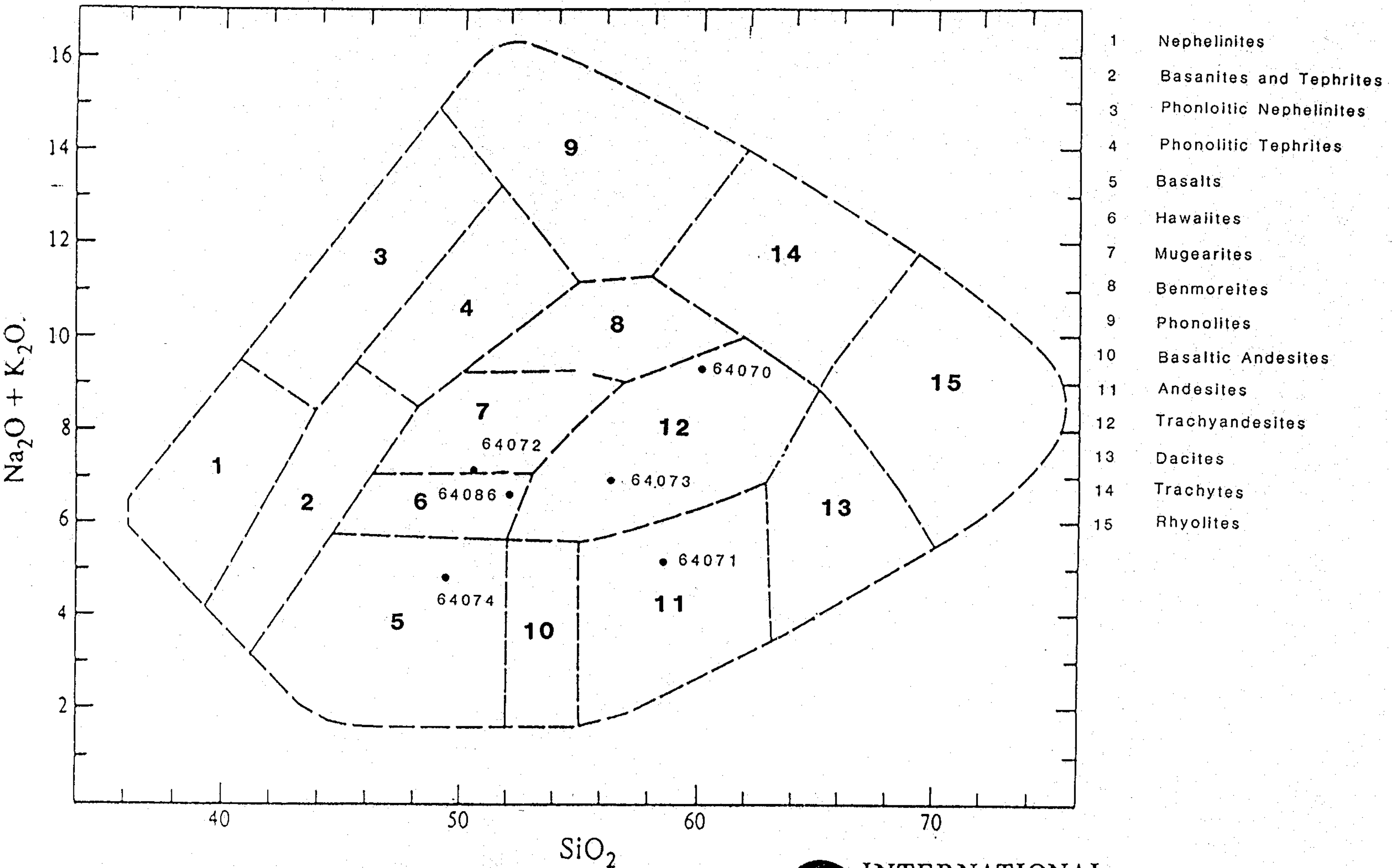
3.4 WEST GRID - HEMLO WEST AREA

The drill core from the Hemlo West area was briefly re-examined and four samples (64070-73WR) were collected for whole rock analysis. Total alkalis in the andesitic - basaltic rocks (Ti/Al ratios range from 0.034 to 0.063; see also Figure #7) are elevated, likely indicating late Na and K introduction related to the Bronson and associated stocks. Unfortunately, the trench area was not remapped in sufficient detail to ascertain the structural-stratigraphic relations to the polymetallic mineralization.

3.5 EAST GRID

Gold values up to 528 ppb had previously been identified in 13 soil anomalies (each greater than 100 ppb), along with 24 Cu-in-soil anomalies (>350 ppm), and four auriferous (840 ppb to 0.284 oz Au/ton) rock samples on the west extension of the East Grid. An additional 6 soils returned >50 ppb Au, up to 360 ppb, and 10 heavies returned >100 ppb Au, ranging between 130 and 12,000 ppb, in the East Grid area (Carter, 1991).

During 1991 these were located by grid number and ground checked by the Corona crew (Map #3). Many were interpreted as spurious results within glacial-fluvial material of indeterminable origin. Rock samples taken in the vicinity of anomalous soils at L 70+00E 40+00N of quartz sweats gave a result of 769ppb Au, 12.9ppm Ag and 1.03% Cu while the host volcanic returned no elevated Au, Ag or Cu values. Anomalies that



ISKUT JOINT VENTURE ROCKS PLOTTED AS SILICA VS. ALKALIS.

CLASSIFICATION FROM MACDONALD, 1968.

INTERNATIONAL CORONA CORPORATION

ISKUT JOINT VENTURE

Figure 7

could not be immediately explained were detail soil sampled, ensuring sufficient penetration to avoid problems with overburden which could generate a false anomaly. Two of these areas were recommended for further investigation by trenching as of August 29, 1991:

1. A follow-up traverse to a previously identified Au & Cu-in-soils anomaly along a small stream believed to be the extension of the "Meridor Break" just north of the east grid (L 68-72E, BL 46N) uncovered narrow semi-massive sulphide bands within host volcanics. The occurrence was partially exposed by redirection of the stream and hand trenching [3 chip rock samples later returned 30 to 100 ppb Au & 150 to 1050 ppm Cu, at two locations over a 50 metre strike extent]. In anticipation that this may be related to the source of the Au/Cu anomalies found to the south, five slope corrected lines were installed with a hip chain and compass These lines were soil sampled, prospected and mapped (although very little bedrock was exposed) to cover the new zone (see Map #3). Soil samples generally confirmed the presence of low magnitude Au and Cu-in-soil anomalies (ie: 10-146 ppb Au, and 30-300 ppm Cu), which may be related to the sulphidic-style mineralization located in the creek bed.

2. Follow-up of a previous silt sample (ie: L 81E, 42N) generated anomalous gold geochem in six mossmat samples [67-553 ppb Au, mean=215 ppb; 49-87 ppm Cu], in an area where no outcrop was seen and topography is subdued.

[Filenote regarding moss mat samples versus silt samples: Table 3 contains a comparison of moss mat and silt samples taken on the Iskut JV property. Comparison illustrates that the two sampling procedures provide similar results: Au values are slightly higher in silt samples than moss mats but the population distribution is very similar, with the silts having a small number of high values pulling up the mean and 90% tile (silt max=1700 vs moss mat max=225). Also, Ag is distinctly higher in the silts while Cu, Pb, Zn and Ni are distinctly higher in moss mats.]

TABLE3: COMPARISON OF GEOCHEMICAL THRESHOLDS IN SILT AND MOSS MAT SAMPLES FOR ISKUT JV								
	MOSS MATS (n=24)				**SILTS** (n=118)			
	MEAN	MEDIAN	Q3	90%	MEAN	MEDIAN	Q3	90%
AU	30	4	26	79	53	4	23	120
AG	0.1	0.1	0.1	0.1	0.4	0.4	0.5	0.8
CU	66	59	69	82	29	5	44	77
PB	11	10	12	15	8	5	7	18
ZN	108	97	128	138	44	5	105	134
MO	2	1	2	3	13	5	13	38
SB	5	2	2	8	60	13	94	191
NI	110	122	152	196	65	16	94	191
CO	14	15	16	19	8	9	14	16
CD	0.8	0.5	0.5	0.5	1.1	0.5	2.0	2.0
BI	3	2	2	5	24	5	44	63
AS	17	13	24	36	20	8	13	54
FE	3.39	3.46	3.63	4.10	3.37	3.48	3.72	4.06
TE	6	5	5	12	10	11	14	15
BA	209	198	258	291	249	249	320	328
CR	95	105	131	141	104	108	169	198
V	89	87	103	109	90	90	102	106
SN	10	10	10	10	10	10	10	10
W	10	10	10	10	10	10	10	10
LA	10	9	10	12	22	10	20	45
AL	1.98	2.03	2.38	2.49	2.29	2.31	2.74	2.83
MG	1.43	1.53	1.64	1.96	1.43	1.21	1.98	2.01
K	0.51	0.55	0.64	0.68	0.51	0.39	0.79	0.85
SR	47	43	52	62	56	51	62	79

3.6. EAST OF EAST GRID

The area near the eastern boundary of the property underlain by interbedded metasediments and porphyritic andesites was prospected and mapped with moss mat samples taken where large enough streams could be found. The vegetation in this part of the property is strongly dominated by tag alder, devil's club and miscellaneous bush, making prospecting and mapping difficult. Four moss mats returned gold values between 7 and 82 ppb, averaging 27 ppb Au.

3.7 MOUNT VERRETT

The southern slopes of Mount Verrett was prospected and sampled. The exposure in the area is generally good, but the late snow cover prohibited a re-examination of the skarned contact zone which had been previously sampled. Farther down slope below the snow line, a few small rusty pods were found within the mafic volcanic flows. Three of seven samples returned gold values above detection limit, to a maximum of 42 ppb.

3.8 NORTH OF MERIDOR GROUND

There is minimal bedrock exposure in this area. Creeks were moss mat sampled and float prospected. The metasediments showed no mineralization, but some of the moss mat samples were weakly anomalous in Au (ie: 4 of 11 samples contained 10-28 ppb Au, with another returning 121 ppb Au). A number of quartz veins were sampled in float, but none were found to be auriferous. [Note: 1987 flagging indicates that some stream sediment samples were misplotted, reinforcing the need for an orthophoto base for field orientation.]

4.0 1991 GEOCHEMICAL DATABASE & STATISTICS

The database is comprised of 3156 soil, 2478 drill core, 1406 rock, 118 silt and 24 moss mat samples. Geochemical data is sorted by sample medium [it would have been very useful to separate rock and drill core data into lithotype populations, but this was not practically achievable]. Univariate (Appendix D) and bivariate statistics (Appendix E) were generated for each element and relevant element pairing (based on element associations and correlation coefficients).

Raw element data was plotted as histograms which are helpful in visualizing sample populations and for subjective estimation of anomalous thresholds. Many elements approach normal distributions (ex: Hg, Ba, Fe, Co, Cr K, Ca, Mg, Al, Sr, V, Y in rocks) reflecting minimal enrichment in purposefully biased samples, while others grossly approximate a natural lognormal distribution, even though several (Au, Ag, As, Sb, Zn, Pb, Cu) are severely skewed by extreme values during the same selection process. Rank order (ie: Spearman) correlation coefficients quantify positive and negative element associations.

Based on the genetic models described in section 1.5.2,we would predict the following metallic element associations:

Veins:	Au-Ag +/- Cu, Pb, Zn, As, Sb
VMS:	Zn-Pb-Cu-Au-Ag +/- As, Sb, Hg, Cd
Porphyry:	Cu-Mo +/- As, Sb, Ag, Au

Basic univariate statistics for the core study group of elements in rock samples are:

Element	n	Median	Mean	CV	Q3	95%
Gold	1406	45 ppb	1158	5.9	221	5211
Silver	1345	1.2 ppm	5.6	3.8	5.6	23.5
Copper	1345	172 ppm	713	4.0	528	2400
Lead	631	14 ppm	154	15.7	27	15.7
Zinc	548	60 ppm	504	6.7	100	1007
Arsenic	788	19 ppm	223	3.8	83	810
Antimony	387	2 ppm	5.5	8.4	3	11
Mercury	262	110 ppb	110	0.3	125	145
Molybdenum	387	2 ppm	8.3	2.2	7	34

Other than qualitative observations, very little can be inferred from the raw data as it is an exhaustive data set, including a significant number of purposefully biased samples (ie: grab samples of veins, gossanous material, etc). Very low concentrations of lead, antimony, mercury and molybdenum are noted. Zinc, gold, copper and arsenic are extremely skewed.

Examination of the rock, core and soil correlation matrices identified ranked positive associations [Note: (Spearman ln-normal data) =: r >0.6,- : r >0.4,+/-: r >0.3]:

Rock:	Core:	Soils:
Au = Ag = Cu - As +/- Pb	Au - Pb	Au - Cu +/-
Mo		
Ag = Au = Cu - Pb - As - Zn	Ag = Zn - Cu - Pb	Ag +/- Cu
Cu = Au = Ag = Co = Fe - V	Cu = Zn - Ag +/- Pb	Cu = Co =
K = V - Mg - Au - Sr		
Pb = Zn - As - Ag	Pb - Ag - Au +/- Cu	Pb - Zn - Cu
Zn = V = K = Fe = Mg = Pb - Co	Zn = Ag = Cu	Zn - Co +/-
Pb, Cu		
As - Pb - Au - Ag		As = Sb - Te
Sb = Te +/- Pb		Sb = Te = As

It may be possible that more subtle trace element haloes could be detected by utilizing factor analysis, although that methodology is perhaps more appropriate on the district scale, and the data set does not lend itself to ease of use.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Pre-1991 and 1991 exploration data has been compiled in digital format and is presented on TRIM-sourced base maps, utilizing orthophoto control. Certain plotting errors of pre-1991 work were discovered in the field this season, indicating both the need for an accurate base from the start of a field program, and the dangers associated with anomaly follow-up.

The few, small, low-order, coincident gold-copper soil geochem anomalies on the **Southwest Grid** are explained by Bronson Stock-related quartz veins containing similar tenor mineralization (ie: 100-500 ppb Au, up to 1000 ppm Cu). The intrusive and invaded country rocks do not display the type or magnitude of alteration typical of alkaline porphyry systems.

The geophysical response over the **Gregor** area indicating discontinuous point source sulphidic mineralization is consistent with previous drilling results.

The structural-stratigraphic relations of the **Hemlo West** polymetallic mineralization were not sufficiently examined, and remain enigmatic. Future work would include detailed surface and trench mapping, followed by additional trenching. Trace element and whole rock geochemistry in conjunction with mapping may detect subtle dispersion enrichments beyond the obvious alteration envelopes, and thereby isolate drill target vectors.

1991 follow-up of soil geochem anomalies on the **East Grid** isolated three areas warranting trenching, detailed sampling and geologic mapping:

1. At L 68-72E, BL 46N, a stream traverse in the vicinity of the "Meridor Break," uncovered auriferous (up to 100 ppb) narrow semi-massive sulphide bands within volcanics.
2. Near L 81E, 42N six mossmat samples returned anomalous gold values (ie: 67-553 ppb Au [Note: study indicates that mossmat sample values are generally comparable with silt sediment values]) in an area of subdued relief.
3. At L 70E, 40N selected quartz from sweats (generally 0.5 to 3 cm wide) from large angular talus blocks returned 769 ppb

Au, 12.9 ppm Ag and 1.03% Cu; host rocks are barren of mineralization.

No other new gold-bearing mineral occurrences were discovered on the property during 1991, which completed the property-scale mineral potential assessment with the exceptions of the upper Verrett slopes and the lower Iskut River slopes.

The property remains prospective for Snip-style mesothermal vein gold mineralization, although traditional systematic geochemical and geophysical methodologies have been exhausted. The potential for Eskay-analog VMS deposits is considered low, due to the lack of widespread alteration and low magnitude trace element contents (particularly antimony and mercury). The IJV property is not prospective for alkaline or calc-alkalic porphyry deposits.

Given the healthy assessment status of the Iskut Joint Venture property, and the generally low-order nature of the realized potential to date, re-evaluation of the Hemlo West occurrence and trenching of the East Grid soil/rock anomalies can afford to await further industry-related mineral and logistical developments in the area.

Respectfully Submitted:
INTERNATIONAL CORONA CORPORATION, on behalf of Prime Resources, IJV operator

Stephen Robertson	Don Lewis
Field Geologist	Exploration Manager - W Canada

Copies to:	Prime Resources Group Inc	attn: Mr. A.H. Ransom
	American Ore Ltd	attn: Mr. James Owen
	Golden Band Resources Inc	attn: Mr. Ken Carter

INTERNATIONAL CORONA CORPORATION
WESTERN EXPLORATION

ISKUT JOINT VENTURE
STATEMENT OF PROJECT EXPENDITURES
FOR THE YEAR ENDED DECEMBER 31, 1991

	$
LABOUR	48,370
FIELD EXPENSES	5,608
HELICOPTER	6,621
OTHER TRANSPORTATION	6,161
CAMP (FOOD & LODGING)	6,681
ANALYSIS	3,287
CONTRACT PAYMENTS	683
TOTAL	77,411

LIST OF PERSONNEL

STEPHEN ROBERTSON - GEOLOGIST ($250/day) 77 DAYS
June 11 - July 1(21), August 28 - 29(2),
October 8 - 31(17), November 1 - 22(16),
December 4 - 31(14), January 2 - 10(7)

PAUL JONES - PROSPECTOR/TEAM LEADER ($275/day) 29 DAYS
June 11 - July 1(21), October 21 - 25(5),
November 12 - 14(3)

DAN BOYD - PROSPECTOR ($200/day) 21 DAYS
June 11 - July 1(21)

RICHARD TAYLOR - STUDENT ($150/day) 21 DAYS
June 11 - July 1(21)

JOHN BELLAMY - SENIOR GEOLOGIST ($400/day) 1 DAY
June 26(1)

KEN RYE - PROJECT GEOLOGIST ($325/day) 1 DAY
June 18(1)

MIKE KUSNEZOV - DRAFTSMAN ($30/hr) 157.5 HRS
October - December(157.5hrs)

DAVE GAUNT - COMPUTING GEOLOGIST ($300/day) 5.5 DAYS
August 16 - 30(2.5), October 8 - 10(2),
November 14 - 15(1)

DON LEWIS - PROJECT SUPERVISOR ($425/day) 3 DAYS
August 26(1), January 9 - 10(2)

ANDREW RANSOM - FIELD ASSISTANT ($130/day) 1 DAY
June 18(1)

ELIZABETH CONESSA - FIELD ASSISTANT ($130/day) 0.5 DAYS
July 18(0.5)

STATEMENT OF QUALIFICATIONS

I, Stephen Robertson, of 1969 Lower Road, Gibsons, B.C. V0N 1V0 state that:

I am a 1989 graduate of the University of Alberta, Edmonton Alberta, with a B.Sc. in geology.

I have been employed in mineral exploration prior to my graduation and that I have been practising my profession since 1989.

I am presently on contract as a geologist with International Corona Corporation, #1440 - 800 West Pender Street, Vancouver, British Columbia. V6E 2V6.

I am the author of this report which is based on public and property reports plus on site inspections.

I have no interest, direct or indirect, in the property discussed in this report.

This report may be used for development of the property, provided that no portion of it is used out of context or in such a manner as to convey meanings different from that set out in the whole.

Consent is hereby given to the Iskut Joint Venture to reproduce this report in part or whole for corporate purposes relating to the raising of funds by way of a prospectus or statement of material facts.

Signed and dated in Vancouver, British Columbia this 24 day of Jan 1991.

Stephen Robertson

Stephen Robertson, B.Sc.

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Pegg, R.S. (1991): Geological, Geochemical and Drilling Report on the Iskut Joint Venture Property, Prepared for the Iskut Joint Venture (1990).

APPENDIX A

ASSAY CERTIFICATES

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
V7P 2R5
(604) 985-0681 Telex 04-352667

BONDAR-CLEGG

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: V91-00764.0 (COMPLETE)

REFERENCE INFO: P.O. #91-051

CLIENT: CORONA CORPORATION
PROJECT: 8117

SUBMITTED BY: UNKNOWN
DATE PRINTED: 10-JUL-91

ORDER		ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au_10g	Gold - Fire Assay	82	5 PPB	Fire-Assay	Fire Assay AA
2	Ag	Silver	82	0.2 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
3	Cu	Copper	82	1 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
4	Pb	Lead	82	2 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
5	Zn	Zinc	82	1 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
6	Mo	Molybdenum	82	1 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
7	Ni	Nickel	82	1 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
8	Co	Cobalt	82	1 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
9	Cd	Cadmium	82	1.0 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
10	Bi	Bismuth	82	5 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
11	As	Arsenic	82	5 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
12	Sb	Antimony	82	5 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
13	Fe	Iron	82	0.01 PCT	HN03-HCl Hot Extr.	Ind. Coupled Plasma
14	Mn	Manganese	82	1 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
15	Te	Tellurium	82	10 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
16	Ba	Barium	82	2 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
17	Cr	Chromium	82	1 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
18	V	Vanadium	82	1 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
19	Sn	Tin	82	20 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
20	W	Tungsten	82	20 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
21	La	Lanthanum	82	1 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
22	Al	Aluminum	82	0.01 PCT	HN03-HCl Hot Extr.	Ind. Coupled Plasma
23	Mg	Magnesium	82	0.01 PCT	HN03-HCl Hot Extr.	Ind. Coupled Plasma
24	Ca	Calcium	82	0.01 PCT	HN03-HCl Hot Extr.	Ind. Coupled Plasma
25	Na	Sodium	82	0.01 PCT	HN03-HCl Hot Extr.	Ind. Coupled Plasma
26	K	Potassium	82	0.01 PCT	HN03-HCl Hot Extr.	Ind. Coupled Plasma
27	Sr	Strontium	82	1 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma
28	Y	Yttrium	82	1 PPM	HN03-HCl Hot Extr.	Ind. Coupled Plasma

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 2-JUL-91

REPORT: V91-00713.0 (COMPLETE)

PROJECT: 8117

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au_10g PPB	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
T1 64327		<0.2	<5	78	7	134	<1	87	16	<1.0	<5	5
T1 64334		<0.2	8	44	7	317	<1	13	10	2.8	<5	66
T1 64339		<0.2	6	64	15	152	<1	100	16	<1.0	<5	45
R2 64042		<0.2	8	110	5	92	<1	119	19	<1.0	<5	<5
R2 64044		<0.2	49	21	<2	5	<1	10	2	<1.0	<5	<5
R2 64045		<0.2	22	195	4	36	<1	97	14	<1.0	<5	9
R2 64046		<0.2	<5	43	4	49	<1	79	13	<1.0	<5	<5
R2 64048		<0.2	<5	32	31	28	<1	14	3	<1.0	<5	12
R2 64049		<0.2	<5	6	<2	3	<1	11	1	<1.0	<5	<5
R2 64050		<0.2	<5	56	3	29	<1	121	14	<1.0	<5	6
R2 64051		<0.2	<5	144	5	40	5	32	15	<1.0	<5	<5
R2 64052		<0.2	<5	37	4	62	<1	105	15	<1.0	<5	<5
R2 64054		<0.2	41	101	21	308	<1	4	9	<1.0	<5	<5
R2 64055		<0.2	<5	27	4	88	<1	6	11	<1.0	<5	<5
R2 64056		<0.2	<5	86	6	77	4	115	19	<1.0	<5	6
R2 64057		0.5	42	40	14	69	<1	19	56	<1.0	<5	13
R2 64058		<0.2	<5	117	4	79	<1	7	19	<1.0	<5	6
R2 64059		<0.2	<5	167	4	83	<1	8	20	<1.0	<5	7
R2 64060		<0.2	<5	125	5	98	<1	5	17	<1.0	<5	6
R2 64061		<0.2	<5	28	7	76	1	5	11	<1.0	<5	<5
R2 64062		<0.2	<5	3	5	86	<1	9	22	<1.0	<5	<5
R2 64063		<0.2	<5	5	<2	2	<1	4	<1	<1.0	<5	<5
R2 64064		<0.2	<5	6	3	17	<1	<1	2	<1.0	<5	<5
R2 64106		<0.2	<5	40	5	23	<1	8	9	<1.0	<5	<5
R2 64109		<0.2	<5	11	3	4	3	9	1	<1.0	<5	<5
R2 64110		0.8	52	526	8	55	128	104	17	<1.0	<5	11
R2 64111		2.4	101	1055	18	90	5	144	48	<1.0	<5	32
R2 64112		0.7	30	290	27	67	8	84	16	<1.0	<5	12
R2 64113		1.0	73	1026	7	41	42	129	62	<1.0	5	40
R2 64114		<0.2	36	153	9	93	2	155	22	<1.0	<5	6
R2 64115		<0.2	6	58	5	15	<1	80	8	<1.0	<5	6
R2 64207		<0.2	<5	65	4	40	<1	20	9	<1.0	<5	<5
R2 64208		<0.2	114	16	12	33	<1	13	5	<1.0	<5	<5
R2 64209		0.3	100	17	20	34	<1	8	3	<1.0	<5	<5
R2 64210		<0.2	106	24	14	53	<1	10	9	<1.0	<5	<5
R2 64211		<0.2	10	10	13	38	<1	10	7	<1.0	<5	<5
R2 64212		<0.2	<5	34	12	40	<1	13	8	<1.0	<5	6
R2 64213		<0.2	6	14	17	29	<1	8	4	<1.0	<5	6
R2 64214		29.3	<5	167	13	46	11	11	7	<1.0	<5	10
R2 64215		<0.2	8	162	18	23	1	76	14	<1.0	14	24

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

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PROJECT: 8117

SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Fe PCT	Mn PCT	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
T1 64327		<5	4.96	0.09	10	407	108	151	<20	<20	4	2.30
T1 64334		<5	4.06	0.15	<10	187	15	78	<20	<20	27	2.31
T1 64339		<5	3.48	0.05	<10	210	143	106	<20	<20	4	2.51
R2 64042		<5	4.22	0.04	10	164	197	113	<20	<20	3	2.34
R2 64044		<5	0.66	0.01	<10	14	292	7	<20	<20	<1	0.10
R2 64045		<5	3.74	0.03	<10	176	177	71	<20	<20	5	1.55
R2 64046		<5	4.80	0.04	10	652	291	141	<20	<20	4	3.11
R2 64048		<5	1.31	0.03	<10	120	141	18	<20	<20	2	0.92
R2 64049		<5	0.52	0.01	<10	14	306	5	<20	<20	<1	0.08
R2 64050		<5	3.29	0.03	10	298	274	109	<20	<20	3	2.06
R2 64051		<5	4.79	0.06	12	153	103	165	<20	<20	7	2.01
R2 64052		<5	3.72	0.03	12	672	201	95	<20	<20	3	2.34
R2 64054		<5	5.75	0.14	11	87	33	180	<20	<20	6	5.04
R2 64055		<5	4.90	0.11	12	98	25	143	<20	<20	3	1.51
R2 64056		<5	5.21	0.04	15	83	233	169	<20	<20	2	3.23
R2 64057		<5	5.55	0.12	13	33	38	180	<20	<20	5	3.86
R2 64058		<5	5.73	0.06	12	212	29	179	<20	<20	3	2.36
R2 64059		<5	5.62	0.10	11	322	22	167	<20	<20	4	2.68
R2 64060		<5	5.44	0.08	11	455	18	168	<20	<20	4	2.90
R2 64061		<5	5.30	0.13	<10	195	40	201	<20	<20	11	1.50
R2 64062		<5	4.81	0.10	<10	326	31	207	<20	<20	11	2.62
R2 64063		<5	0.42	0.01	<10	6	361	4	<20	<20	<1	<0.01
R2 64064		<5	1.31	0.08	<10	118	49	23	<20	<20	9	0.66
R2 64106		<5	3.74	0.03	<10	106	68	83	<20	<20	9	1.13
R2 64109		<5	0.55	0.01	<10	40	276	8	<20	<20	<1	0.17
R2 64110		<5	4.13	0.05	<10	81	209	138	<20	<20	5	3.25
R2 64111		<5	6.90	0.04	<10	22	178	92	<20	<20	7	2.83
R2 64112		<5	3.57	0.06	<10	127	187	102	<20	<20	9	2.34
R2 64113		<5	7.32	0.05	<10	16	248	138	<20	<20	12	3.30
R2 64114		<5	5.57	0.04	<10	142	407	142	<20	<20	3	3.19
R2 64115		<5	2.57	0.03	<10	114	237	55	<20	<20	2	1.39
R2 64207		<5	4.80	0.03	<10	36	59	100	<20	<20	<1	1.69
R2 64208		<5	0.95	0.03	<10	73	16	14	<20	<20	4	0.74
R2 64209		<5	1.42	0.02	<10	67	14	11	<20	<20	4	0.65
R2 64210		<5	1.13	0.07	<10	72	19	16	<20	<20	4	0.68
R2 64211		<5	1.24	0.07	<10	64	24	18	<20	<20	6	0.70
R2 64212		<5	1.54	0.09	<10	65	26	22	<20	<20	7	0.84
R2 64213		<5	1.20	0.03	<10	82	14	15	<20	<20	7	0.70
R2 64214		7	4.08	0.04	<10	70	81	85	<20	<20	4	2.60
R2 64215		13	5.62	0.03	18	239	269	89	<20	<20	3	2.24

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Geochemical Lab Report

DATE PRINTED: 2-JUL-91

REPORT: V91-00713.0 (COMPLETE)

PROJECT: 8117

SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
T1 64327		1.90	0.89	0.04	0.85	40	7
T1 64334		1.02	1.32	0.03	0.39	62	24
T1 64339		2.01	0.95	0.13	0.53	57	7
R2 64042		2.07	0.68	0.16	1.72	30	8
R2 64044		0.10	0.04	0.01	0.02	3	<1
R2 64045		1.65	0.92	0.14	1.03	32	9
R2 64046		3.01	0.59	0.16	2.17	38	9
R2 64048		0.56	0.60	0.08	0.23	19	3
R2 64049		0.08	0.04	<0.01	0.03	2	<1
R2 64050		2.47	0.61	0.14	1.55	22	8
R2 64051		2.13	1.20	0.16	1.46	27	8
R2 64052		2.41	0.67	0.19	1.55	34	5
R2 64054		1.66	2.85	0.21	1.85	70	8
R2 64055		1.20	2.53	0.18	0.57	77	8
R2 64056		3.30	0.71	0.25	2.15	48	8
R2 64057		1.05	3.45	0.16	0.83	122	13
R2 64058		1.94	1.23	0.15	1.64	66	9
R2 64059		2.26	2.88	0.11	2.01	86	8
R2 64060		2.15	1.36	0.12	2.13	84	8
R2 64061		1.23	0.76	0.10	1.55	97	8
R2 64062		2.24	2.49	0.06	2.03	133	6
R2 64063		0.02	0.02	<0.01	0.02	1	<1
R2 64064		0.12	1.27	0.05	0.41	28	10
R2 64106		0.54	0.80	0.10	0.71	66	10
R2 64109		0.16	0.40	0.02	0.12	23	2
R2 64110		2.24	4.20	0.24	1.57	151	9
R2 64111		1.83	1.56	0.16	1.79	74	7
R2 64112		1.70	4.57	0.12	1.58	86	10
R2 64113		2.70	1.94	0.12	2.21	57	10
R2 64114		2.73	0.80	0.11	2.25	23	8
R2 64115		1.65	4.88	0.07	0.36	213	5
R2 64207		1.32	1.08	0.08	0.02	51	8
R2 64208		0.26	0.52	<0.01	0.06	42	2
R2 64209		0.19	0.46	<0.01	0.09	34	2
R2 64210		0.33	0.69	<0.01	0.06	37	2
R2 64211		0.33	0.40	<0.01	0.06	24	2
R2 64212		0.38	0.54	<0.01	0.06	29	2
R2 64213		0.24	1.83	<0.01	0.05	54	3
R2 64214		1.08	0.73	0.06	0.12	56	6
R2 64215		1.61	0.74	0.15	1.25	63	6

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au_10g PPB	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
R2 64216		<0.2	<5	3	4	78	<1	2	4	<1.0	<5	<5
R2 64217		<0.2	<5	36	5	47	<1	6	4	<1.0	<5	<5
R2 64219		<0.2	8	15	3	17	<1	36	6	<1.0	<5	9
R2 64221		<0.2	<5	82	10	99	<1	9	4	<1.0	<5	<5
R2 64222		<0.2	<5	15	4	15	18	9	3	<1.0	<5	6
R2 64223		<0.2	6	17	8	8	50	3	1	<1.0	<5	<5
R2 64224		<0.2	<5	67	5	16	<1	169	14	<1.0	<5	25
R2 64226		<0.2	<5	160	7	68	<1	193	20	<1.0	<5	<5
R2 64227		0.5	10	200	15	71	9	9	36	<1.0	<5	7
R2 64228		<0.2	<5	73	11	65	11	161	20	<1.0	<5	11
R2 64229		<0.2	<5	91	10	44	<1	4	5	<1.0	<5	<5
R2 64230		0.3	8	274	13	37	<1	10	10	<1.0	<5	<5
R2 64231		1.3	66	466	7	31	3	7	41	<1.0	<5	6
R2 64232		<0.2	<5	147	8	112	<1	6	21	<1.0	<5	<5
R2 64233		0.4	44	1434	11	93	10	7	44	<1.0	7	<5
R2 64234		<0.2	<5	16	4	42	11	3	4	<1.0	<5	<5
R2 64235		<0.2	<5	44	4	55	<1	4	10	<1.0	<5	<5
R2 64311		<0.2	<5	81	11	85	1	90	16	<1.0	<5	7
R2 64312		<0.2	<5	8	<2	2	<1	8	1	<1.0	<5	<5
R2 64313		<0.2	<5	68	9	32	<1	33	10	<1.0	<5	9
R2 64316		0.3	20	309	32	79	<1	57	21	<1.0	<5	785
R2 64320		<0.2	28	119	29	635	2	132	19	2.4	<5	24
R2 64323		<0.2	<5	77	10	77	<1	87	15	<1.0	<5	53
R2 64324		<0.2	<5	22	7	14	<1	44	8	<1.0	<5	72
R2 64325		<0.2	<5	9	3	7	<1	16	3	<1.0	<5	<5
R2 64328		<0.2	<5	32	<2	2	<1	29	4	<1.0	<5	<5
R2 64329		1.7	95	146	867	793	<1	58	20	7.0	5	162
R2 64330		<0.2	24	84	34	107	<1	33	24	<1.0	<5	40
R2 64331		1.4	37	2434	12	50	<1	18	11	<1.0	6	5
R2 64332		<0.2	<5	74	10	96	<1	21	24	<1.0	<5	11
R2 64335		<0.2	<5	87	16	53	16	12	17	<1.0	<5	<5
R2 64336		<0.2	<5	98	9	50	<1	9	26	<1.0	<5	<5
R2 64337		<0.2	<5	58	16	50	<1	5	20	<1.0	<5	<5
R2 64340		0.4	<5	109	25	132	6	146	26	<1.0	5	12
01 64041		<0.2	<5	58	8	112	<1	157	16	<1.0	<5	<5
01 64043		<0.2	26	72	11	104	<1	164	16	<1.0	<5	26
01 64050		<0.2	<5	178	14	176	7	117	12	5.5	<5	10
01 64053		<0.2	<5	13	5	40	<1	7	8	<1.0	<5	<5
01 64107		<0.2	<5	42	6	47	<1	25	11	<1.0	<5	<5
01 64108		<0.2	79	136	12	137	<1	132	23	<1.0	<5	13

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R2 64216		<5	2.64	0.08	<10	324	58	40	<20	<20	4	1.81
R2 64217		<5	2.39	0.05	<10	94	65	45	<20	<20	4	1.33
R2 64219		<5	1.23	0.03	<10	87	332	37	<20	<20	2	0.59
R2 64221		<5	3.43	0.04	<10	148	75	158	<20	<20	4	2.28
R2 64222		<5	1.91	0.02	<10	105	100	55	<20	<20	5	1.31
R2 64223		<5	2.10	0.01	<10	324	158	16	<20	<20	<1	0.65
R2 64224		<5	1.98	0.03	<10	137	187	56	<20	<20	4	1.70
R2 64226		<5	4.26	0.04	<10	797	360	105	<20	<20	4	3.01
R2 64227		<5	3.28	0.04	<10	56	100	218	<20	<20	6	3.80
R2 64228		<5	4.53	0.03	<10	111	273	156	<20	<20	2	4.00
R2 64229		<5	2.71	0.04	<10	245	167	62	<20	<20	9	2.03
R2 64230		<5	3.56	0.03	<10	70	196	88	<20	<20	2	2.99
R2 64231		<5	6.16	0.03	<10	233	209	85	<20	<20	<1	1.51
R2 64232		<5	5.50	0.09	<10	575	26	207	<20	<20	2	3.50
R2 64233		<5	6.87	0.08	<10	37	28	204	<20	<20	<1	3.11
R2 64234		<5	3.83	0.12	<10	118	95	37	<20	<20	11	1.22
R2 64235		<5	5.04	0.08	<10	89	32	123	<20	<20	16	1.23
R2 64311		<5	4.44	0.05	<10	543	148	140	<20	<20	4	4.72
R2 64312		<5	0.46	0.00	<10	5	354	5	<20	<20	<1	0.02
R2 64313		<5	2.14	0.04	<10	302	119	50	<20	<20	3	3.57
R2 64316		<5	3.12	0.08	<10	48	63	42	<20	<20	2	3.68
R2 64320		<5	3.69	0.04	<10	351	213	110	<20	<20	3	2.72
R2 64323		<5	3.16	0.04	<10	258	139	96	<20	<20	2	5.15
R2 64324		<5	0.95	0.05	<10	40	69	28	<20	<20	3	2.76
R2 64325		<5	0.59	0.01	<10	10	292	6	<20	<20	<1	0.21
R2 64328		<5	0.62	0.00	<10	7	323	2	<20	<20	<1	0.03
R2 64329		<5	6.41	0.14	<10	128	120	88	<20	<20	4	2.66
R2 64330		<5	4.82	0.10	<10	66	70	56	<20	<20	5	1.50
R2 64331		<5	3.11	0.06	<10	333	249	83	<20	<20	4	1.40
R2 64332		<5	5.96	0.09	<10	817	34	180	<20	<20	11	3.34
R2 64335		<5	4.85	0.06	<10	69	41	121	<20	<20	7	2.80
R2 64336		<5	5.33	0.08	<10	134	24	229	<20	<20	7	3.18
R2 64337		<5	6.20	0.07	<10	32	35	153	<20	<20	3	2.70
R2 64340		<5	4.99	0.06	<10	75	210	154	<20	<20	1	6.45
01 64041		<5	3.52	0.08	<10	293	121	87	<20	<20	9	2.44
01 64043		<5	3.39	0.09	<10	213	131	78	<20	<20	9	2.08
01 64050		<5	2.86	0.15	<10	195	88	77	<20	<20	12	1.73
01 64053		<5	4.23	0.03	<10	162	48	103	<20	<20	16	0.67
01 64107		<5	3.27	0.04	<10	155	46	85	<20	<20	10	1.06
01 64108		<5	4.10	0.07	<10	258	134	109	<20	<20	6	2.31

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R2 64216		0.62	0.35	0.15	1.00	40	5
R2 64217		0.55	0.39	0.13	0.58	21	7
R2 64219		0.33	1.40	0.06	0.25	26	5
R2 64221		0.89	0.45	0.16	1.29	71	7
R2 64222		0.44	0.21	0.05	0.67	23	5
R2 64223		0.18	0.16	0.03	0.49	76	2
R2 64224		0.95	1.82	0.19	0.41	85	10
R2 64226		2.88	0.90	0.19	1.86	50	7
R2 64227		0.71	3.47	0.12	0.74	257	12
R2 64228		2.97	1.38	0.41	1.92	118	8
R2 64229		0.68	0.67	0.18	0.72	70	8
R2 64230		0.66	1.79	0.22	0.62	240	6
R2 64231		0.68	0.29	0.10	0.63	64	5
R2 64232		2.23	4.14	0.18	2.54	81	10
R2 64233		1.69	1.88	0.17	2.05	85	9
R2 64234		0.42	0.57	0.05	0.81	28	9
R2 64235		0.63	1.08	0.12	0.79	64	15
R2 64311		2.65	1.74	0.51	2.26	160	12
R2 64312		0.05	0.04	<0.01	0.01	2	<1
R2 64313		0.87	2.94	0.30	0.41	278	5
R2 64316		0.65	4.49	0.27	0.28	457	6
R2 64320		1.59	1.06	0.22	1.19	71	11
R2 64323		1.67	3.25	0.41	1.40	272	7
R2 64324		0.64	3.28	0.47	0.28	234	7
R2 64325		0.15	0.13	0.03	0.03	14	<1
R2 64328		0.03	0.04	0.01	0.01	5	<1
R2 64329		1.87	2.92	0.02	1.19	62	7
R2 64330		0.75	1.98	0.01	0.72	40	9
R2 64331		1.08	1.65	0.05	0.95	100	6
R2 64332		2.60	2.61	0.06	2.59	183	12
R2 64335		1.45	1.96	0.21	1.33	78	10
R2 64336		2.14	2.88	0.15	2.08	72	13
R2 64337		1.63	1.51	0.22	1.39	48	13
R2 64340		3.27	2.79	0.59	2.02	159	8
01 64041		1.75	0.81	0.04	0.65	35	13
01 64043		1.52	0.77	0.03	0.55	27	11
01 64050		1.20	1.61	0.03	0.62	64	20
01 64053		0.53	0.72	0.03	0.22	25	6
01 64107		0.88	0.76	0.04	0.31	39	6
01 64108		2.03	1.12	0.03	0.71	38	11

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01 64218		<0.2	33	66	7	95	<1	214	20	<1.0	5	15
01 64220		<0.2	121	69	9	94	<1	152	17	<1.0	<5	40
01 64225		<0.2	6	75	8	90	<1	63	16	<1.0	<5	<5
01 64310		<0.2	<5	45	12	126	<1	150	10	<1.0	<5	22
01 64314		<0.2	8	55	9	115	<1	224	16	<1.0	<5	21
01 64315		<0.2	10	56	14	86	4	66	15	<1.0	8	21
01 64317		<0.2	<5	58	8	90	<1	67	15	<1.0	<5	8
01 64318		<0.2	<5	51	11	91	2	76	16	<1.0	<5	13
01 64319		<0.2	<5	59	9	88	<1	66	16	<1.0	<5	<5
01 64321		0.4	<5	65	16	85	<1	38	14	<1.0	10	31
01 64322		<0.2	<5	40	9	128	<1	269	14	<1.0	<5	9
01 64326		<0.2	<5	89	12	138	<1	131	20	<1.0	<5	8
01 64333		<0.2	<5	31	10	208	<1	14	8	3.6	<5	36
01 64338		<0.2	25	66	23	142	<1	126	19	<1.0	5	53

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01 64218		<5	3.64	0.10	<10	237	142	85	<20	<20	8	2.51
01 64220		<5	3.62	0.07	<10	213	152	90	<20	<20	7	2.28
01 64225		<5	4.19	0.06	<10	201	78	124	<20	<20	7	1.88
01 64310		<5	3.24	0.04	<10	156	103	70	<20	<20	14	2.38
01 64314		<5	3.35	0.08	<10	291	105	83	<20	<20	9	2.44
01 64315		<5	3.46	0.06	15	155	104	97	<20	<20	9	1.90
01 64317		<5	3.57	0.05	<10	148	105	102	<20	<20	9	2.02
01 64318		<5	3.68	0.06	<10	195	115	96	<20	<20	10	2.11
01 64319		<5	3.63	0.06	<10	141	95	107	<20	<20	9	2.04
01 64321		7	3.63	0.06	15	141	54	117	<20	<20	9	1.79
01 64322		<5	2.56	0.09	<10	258	85	65	<20	<20	11	2.01
01 64326		<5	4.27	0.12	<10	375	109	126	<20	<20	5	2.49
01 64333		<5	2.86	0.13	<10	171	11	55	<20	<20	35	1.37
01 64338		<5	3.46	0.06	<10	208	141	107	<20	<20	3	2.50

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01 64218		1.96	0.60	0.03	0.68	20	12
01 64220		1.90	0.53	0.03	0.61	22	11
01 64225		1.57	0.94	0.04	0.57	43	13
01 64310		1.21	0.35	0.04	0.23	20	14
01 64314		1.63	1.01	0.06	0.56	49	14
01 64315		1.54	0.83	0.03	0.49	43	13
01 64317		1.64	0.89	0.03	0.52	42	14
01 64318		1.61	0.76	0.03	0.60	41	15
01 64319		1.57	0.90	0.03	0.52	44	14
01 64321		1.28	0.89	0.04	0.52	40	13
01 64322		1.10	1.24	0.04	0.41	57	15
01 64326		2.02	1.44	0.03	0.74	52	9
01 64333		0.65	2.59	0.03	0.33	103	24
01 64338		2.11	1.26	0.10	0.69	62	9

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ANALYTICAL BLANK		<0.2	<5	<1	<2	<1	<1	<1	<1	<1.0	<5	<5
ANALYTICAL BLANK		<0.2	<5	<1	<2	<1	<1	<1	<1	<1.0	<5	<5
ANALYTICAL BLANK		<0.2	<5	<1	<2	<1	<1	<1	<1	<1.0	<5	<5
ANALYTICAL BLANK		-	<5	-	-	-	-	-	-	-	-	-
Number of Analyses		3	4	3	3	3	3	3	3	3	3	3
Mean Value		0.10	2.5	0.5	1.0	0.5	0.5	0.5	0.5	0.50	2.5	2.5
Standard Deviation		0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00
Accepted Value		-	5	-	-	-	-	-	-	-	-	-
GEO TRACE STD 3 1989		0.3	-	256	29	241	<1	38	9	<1.0	<5	32
Number of Analyses		1	-	1	1	1	1	1	1	1	1	1
Mean Value		0.31	-	255.5	28.8	241.3	0.5	38.0	8.8	0.50	2.5	32.3
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		0.5	-	290	33	255	4	42	9	0.8	2	30
HIGH GOLD STANDARD		-	1498	-	-	-	-	-	-	-	-	-
Number of Analyses		-	1	-	-	-	-	-	-	-	-	-
Mean Value		-	1498.0	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	1500	-	-	-	-	-	-	-	-	-
GEO TRACE STD-2 1989		3.8	-	740	240	451	466	533	42	<1.0	10	258
Number of Analyses		1	-	1	1	1	1	1	1	1	1	1
Mean Value		3.84	-	740.2	240.1	450.6	465.8	532.8	41.6	0.50	9.7	258.4
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5.0	-	820	250	500	600	600	40	2.0	4	320
GEO TRACE STD1 1989		41.7	-	183	27	52	13	16	10	<1.0	9	16
Number of Analyses		1	-	1	1	1	1	1	1	1	1	1
Mean Value		41.72	-	183.3	27.5	51.5	13.4	15.8	10.4	0.50	8.8	16.3
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		36.0	-	190	15	62	17	14	7	0.2	1	8

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ANALYTICAL BLANK		<5	<0.01	<0.01	<10	<2	<1	<1	<20	<20	<1	<0.01
ANALYTICAL BLANK		<5	<0.01	<0.01	<10	<2	<1	<1	<20	<20	<1	<0.01
ANALYTICAL BLANK		<5	<0.01	<0.01	<10	<2	<1	<1	<20	<20	<1	<0.01
ANALYTICAL BLANK		-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		3	3	3	3	3	3	3	3	3	3	3
Mean Value		2.5	0.005	0.000	5.0	1.0	0.5	0.5	10.0	10.0	0.5	0.005
Standard Deviation		0.00	0.0000	0.0000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
Accepted Value		-	-	-	-	-	-	-	-	-	-	-
GEO TRACE STD 3 1989		<5	2.99	0.05	<10	62	76	9	<20	<20	3	0.78
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		2.5	2.989	0.051	5.0	62.0	75.6	8.7	10.0	10.0	3.0	0.783
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5	2.40	0.06	-	64	75	9	5	1	4	0.77
HIGH GOLD STANDARD		-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-
GEO TRACE STD-2 1989		37	4.33	0.07	<10	221	150	37	<20	<20	6	5.19
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		36.7	4.325	0.069	5.0	221.5	150.0	36.9	10.0	10.0	5.9	5.194
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		50	5.00	0.09	-	220	167	34	16	8	6	5.10
GEO TRACE STD1 1989		9	4.48	0.04	<10	71	91	94	<20	<20	4	2.96
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		8.6	4.476	0.044	5.0	71.5	91.2	93.9	10.0	10.0	3.8	2.958
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		7	4.50	0.05	-	74	89	90	-	2	4	2.75

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STANDARD NAME	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
ANALYTICAL BLANK		<0.01	<0.01	<0.01	<0.01	<1	<1
ANALYTICAL BLANK		<0.01	<0.01	<0.01	<0.01	<1	<1
ANALYTICAL BLANK		<0.01	<0.01	<0.01	<0.01	<1	<1
ANALYTICAL BLANK		-	-	-	-	-	-
Number of Analyses		3	3	3	3	3	3
Mean Value		0.005	0.005	0.005	0.005	0.5	0.5
Standard Deviation		0.0000	0.0000	0.0000	0.0000	0.00	0.00
Accepted Value		-	-	-	-	-	-
GEO TRACE STD 3 1989		1.41	1.75	0.05	0.14	34	3
Number of Analyses		1	1	1	1	1	1
Mean Value		1.407	1.746	0.048	0.141	34.2	3.4
Standard Deviation		-	-	-	-	-	-
Accepted Value		1.34	1.66	0.04	0.14	39	4
HIGH GOLD STANDARD		-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-
Mean Value		-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-
GEO TRACE STD-2 1989		4.57	5.98	0.31	0.21	80	6
Number of Analyses		1	1	1	1	1	1
Mean Value		4.569	5.981	0.315	0.208	79.7	6.0
Standard Deviation		-	-	-	-	-	-
Accepted Value		4.90	5.13	0.30	0.20	78	6
GEO TRACE STD1 1989		1.26	0.82	0.06	0.13	65	8
Number of Analyses		1	1	1	1	1	1
Mean Value		1.265	0.816	0.058	0.129	65.2	7.8
Standard Deviation		-	-	-	-	-	-
Accepted Value		1.21	0.76	0.06	0.12	63	-

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SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Au_10g PPB	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
64042		<0.2	8	110	5	92	<1	119	19	<1.0	<5	<5
Duplicate			32									
64044		<0.2	49	21	<2	5	<1	10	2	<1.0	<5	<5
Prep Duplicate			41			<1						
64111		2.4	101	1055	18	90	5	144	48	<1.0	<5	32
Duplicate			96									
64215		<0.2	8	162	18	23	1	76	14	<1.0	14	24
Duplicate		<0.2		171	7	25	<1	83	16	<1.0	<5	<5
64227		0.5	10	200	15	71	9	9	36	<1.0	<5	7
Duplicate			16									
64235		<0.2	<5	44	4	55	<1	4	10	<1.0	<5	<5
Duplicate		<0.2		42	4	54	<1	3	10	<1.0	<5	<5
64312		<0.2	<5	8	<2	2	<1	8	1	<1.0	<5	<5
Prep Duplicate		<0.2	<5	9	<2	2	<1	8	2	<1.0	<5	<5
64336		<0.2	<5	98	9	50	<1	9	26	<1.0	<5	<5
Duplicate			6									
64050		<0.2	<5	178	14	176	7	117	12	5.5	<5	10
Duplicate		<0.2		166	13	166	4	109	11	4.9	<5	9
64333		<0.2	<5	31	10	208	<1	14	8	3.6	<5	36
Duplicate		<0.2		31	11	207	<1	13	8	3.8	<5	37

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64042		<5	4.22	0.04	10	164	197	113	<20	<20	3	2.34
Duplicate												
64044		<5	0.66	0.01	<10	14	292	7	<20	<20	<1	0.10
Prep Duplicate												
64111		<5	6.90	0.04	<10	22	178	92	<20	<20	7	2.83
Duplicate												
64215		13	5.62	0.03	18	239	269	89	<20	<20	3	2.24
Duplicate		<5	6.41	0.03	<10	252	299	95	<20	<20	2	2.41
64227		<5	3.28	0.04	<10	56	100	218	<20	<20	6	3.80
Duplicate												
64235		<5	5.04	0.08	<10	89	32	123	<20	<20	16	1.23
Duplicate		<5	4.98	0.07	<10	87	32	119	<20	<20	15	1.20
64312		<5	0.46	0.00	<10	5	354	5	<20	<20	<1	0.02
Prep Duplicate		<5	0.49	0.01	<10	6	358	5	<20	<20	<1	0.03
64336		<5	5.33	0.08	<10	134	24	229	<20	<20	7	3.18
Duplicate												
64050		<5	2.86	0.15	<10	195	88	77	<20	<20	12	1.73
Duplicate		<5	2.72	0.13	<10	181	81	72	<20	<20	10	1.62
64333		<5	2.86	0.13	<10	171	11	55	<20	<20	35	1.37
Duplicate		<5	2.73	0.13	<10	170	11	52	<20	<20	33	1.30

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64042		2.07	0.68	0.16	1.72	30	8
Duplicate							
64044		0.10	0.04	0.01	0.02	3	<1
Prep Duplicate							<1
64111		1.83	1.56	0.16	1.79	74	7
Duplicate							
64215		1.61	0.74	0.15	1.25	63	6
Duplicate		1.87	0.81	0.16	1.32	65	7
64227		0.71	3.47	0.12	0.74	257	12
Duplicate							
64235		0.63	1.08	0.12	0.79	64	15
Duplicate		0.62	1.04	0.12	0.76	63	14
64312		0.05	0.04	<0.01	0.01	2	<1
Prep Duplicate		0.06	0.04	<0.01	0.02	2	<1
64336		2.14	2.88	0.15	2.08	72	13
Duplicate							
64050		1.20	1.61	0.03	0.62	64	20
Duplicate		1.16	1.47	0.03	0.58	57	19
64333		0.65	2.59	0.03	0.33	103	24
Duplicate		0.63	2.57	0.03	0.31	98	23

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SAMPLE NUMBER	ELEMENT UNITS	Au_10g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
S1 L68+00E 47+50N		10	1.1	26	21	80	10	6	3	<1.0	<5	45
S1 L68+00E 47+25N		<5	<0.2	97	15	105	22	10	15	<1.0	<5	28
S1 L68+00E 47+00N		<5	1.9	9	31	48	7	3	<1	<1.0	<5	78
S1 L68+00E 46+75N		23	<0.2	89	18	163	7	27	10	<1.0	<5	24
S1 L68+00E 46+50N		128	0.9	99	19	122	11	22	5	<1.0	<5	26
S1 L68+00E 46+25N		146	1.8	320	28	88	35	72	7	<1.0	<5	48
S1 L68+00E 46+00N		30	0.7	31	34	106	13	53	6	<1.0	<5	63
S1 L69+00E 48+25N		<5	0.7	10	26	137	7	7	3	<1.0	<5	42
S1 L69+00E 48+00N		<5	0.7	49	19	93	5	14	6	<1.0	<5	46
S1 L69+00E 47+75N		10	<0.2	74	6	106	3	9	15	<1.0	<5	<5
S1 L69+00E 47+50N		17	0.6	16	19	35	10	3	<1	<1.0	<5	19
S1 L69+00E 47+25N		46	0.4	296	19	121	12	9	19	<1.0	<5	43
S1 L69+00E 47+00N		10	<0.2	70	13	140	7	9	16	<1.0	<5	28
S1 L69+00E 46+75N		8	0.7	92	17	50	5	46	5	<1.0	<5	37
S1 L69+00E 46+50N		6	1.2	11	30	58	7	5	1	<1.0	<5	47
S1 L69+00E 46+25N		6	0.9	164	19	82	8	63	9	<1.0	<5	47
S1 L69+00E 46+00N		14	0.5	147	9	39	9	60	8	<1.0	<5	22
S1 L70+00E 48+25N		13	<0.2	267	18	122	12	29	25	<1.0	<5	34
S1 L70+00E 48+00N		<5	0.6	14	17	49	7	6	2	<1.0	<5	27
S1 L70+00E 47+75N		<5	0.4	126	19	109	6	32	17	<1.0	<5	42
S1 L70+00E 47+50N		16	1.0	182	25	126	12	39	12	<1.0	<5	36
S1 L70+00E 47+25N		13	<0.2	318	16	103	7	51	26	<1.0	<5	32
S1 L70+00E 47+00N		12	0.3	111	13	111	5	11	14	<1.0	<5	22
S1 L70+00E 46+75N		<5	1.2	16	19	36	4	10	1	<1.0	<5	39
S1 L70+00E 46+50N		17	0.7	57	19	73	6	26	3	<1.0	<5	60
S1 L70+00E 46+25N		7	0.8	68	19	101	8	32	5	<1.0	<5	43
S1 L70+00E 46+00N		<5	0.4	89	13	34	9	43	6	<1.0	<5	25
S1 L71+00E 48+00N		<5	0.4	115	15	101	5	18	9	<1.0	<5	30
S1 L71+00E 47+75N		6	2.1	44	28	85	4	29	7	<1.0	<5	31
S1 L71+00E 47+50N		<5	1.6	22	33	145	9	6	7	<1.0	<5	77
S1 L71+00E 47+25N		6	0.4	222	16	130	3	12	24	<1.0	<5	30
S1 L71+00E 47+00N		<5	0.7	35	15	79	3	7	9	<1.0	<5	23
S1 L71+00E 46+75N		20	<0.2	44	17	155	4	74	13	<1.0	<5	38
S1 L71+00E 46+50N		<5	0.9	9	28	85	9	10	2	<1.0	<5	59
S1 L71+00E 46+25N		<5	0.3	45	18	166	4	39	13	<1.0	<5	43
S1 L71+00E 46+00N		8	0.4	92	15	59	12	52	8	<1.0	<5	28
S1 L72+00E 48+25N		<5	0.3	52	18	100	7	79	11	<1.0	<5	46
S1 L72+00E 48+00N		11	0.6	128	15	76	4	72	18	<1.0	<5	38
S1 L72+00E 47+75N		<5	0.5	101	14	85	4	63	15	<1.0	<5	30
S1 L72+00E 47+50N		<5	1.1	117	18	79	8	24	11	<1.0	<5	32

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S1 L68+00E 47+50N		13	4.61	226	15	50	13	95	<20	<20	12	3.47
S1 L68+00E 47+25N		10	5.28	599	11	247	15	151	<20	<20	11	2.84
S1 L68+00E 47+00N		17	4.04	113	16	26	11	6	<20	<20	19	7.72
S1 L68+00E 46+75N		<5	4.19	616	<10	84	41	34	<20	<20	42	4.31
S1 L68+00E 46+50N		<5	4.62	345	<10	46	53	26	<20	<20	27	6.01
S1 L68+00E 46+25N		12	3.86	223	14	95	153	111	<20	<20	5	3.35
S1 L68+00E 46+00N		18	4.27	296	20	64	122	83	<20	<20	34	4.19
S1 L69+00E 48+25N		11	4.17	648	<10	84	7	9	<20	<20	43	3.86
S1 L69+00E 48+00N		13	4.29	300	15	138	28	84	<20	<20	11	4.72
S1 L69+00E 47+75N		<5	5.34	609	<10	355	20	206	<20	<20	6	2.78
S1 L69+00E 47+50N		7	3.62	90	<10	18	9	101	<20	<20	13	1.53
S1 L69+00E 47+25N		13	5.11	1179	19	197	7	195	<20	<20	6	3.14
S1 L69+00E 47+00N		11	4.62	1572	11	157	12	184	<20	<20	10	2.38
S1 L69+00E 46+75N		12	3.21	94	12	86	154	61	<20	<20	18	2.68
S1 L69+00E 46+50N		10	5.03	140	13	19	13	28	<20	<20	12	4.69
S1 L69+00E 46+25N		15	3.87	192	17	82	119	83	<20	<20	13	3.63
S1 L69+00E 46+00N		7	2.86	268	11	72	109	88	<20	<20	4	1.97
S1 L70+00E 48+25N		8	5.60	823	13	367	41	156	<20	<20	15	3.74
S1 L70+00E 48+00N		8	4.28	179	<10	51	12	87	<20	<20	16	2.59
S1 L70+00E 47+75N		12	5.70	431	13	128	49	193	<20	<20	10	4.23
S1 L70+00E 47+50N		12	5.66	439	14	146	68	134	<20	23	11	3.40
S1 L70+00E 47+25N		14	5.34	1292	13	436	93	190	<20	<20	6	2.77
S1 L70+00E 47+00N		<5	4.86	878	<10	218	21	156	<20	<20	9	2.54
S1 L70+00E 46+75N		9	4.11	86	<10	27	71	40	<20	<20	13	4.01
S1 L70+00E 46+50N		13	3.49	197	15	51	50	53	<20	<20	18	3.79
S1 L70+00E 46+25N		11	3.87	191	12	43	98	57	<20	<20	11	4.31
S1 L70+00E 46+00N		11	2.83	129	11	103	104	80	<20	<20	7	1.96
S1 L71+00E 48+00N		11	4.36	577	13	322	42	123	<20	<20	11	3.12
S1 L71+00E 47+75N		9	4.64	393	13	100	61	105	<20	<20	14	3.0
S1 L71+00E 47+50N		15	4.86	471	17	57	13	20	<20	<20	25	6.5
S1 L71+00E 47+25N		13	5.17	1095	14	617	14	185	<20	<20	9	2.8
S1 L71+00E 47+00N		8	3.59	393	15	176	16	144	<20	<20	7	1.8
S1 L71+00E 46+75N		9	3.83	619	13	204	151	78	<20	<20	53	2.9
S1 L71+00E 46+50N		14	3.85	322	14	44	9	10	<20	<20	36	5.0
S1 L71+00E 46+25N		13	4.31	465	15	154	91	109	<20	<20	35	3.
S1 L71+00E 46+00N		11	3.59	189	11	144	119	99	<20	<20	11	2.
S1 L72+00E 48+25N		14	4.09	366	17	157	138	112	<20	<20	12	3.
S1 L72+00E 48+00N		11	4.62	977	16	370	87	157	<20	<20	5	3
S1 L72+00E 47+75N		14	4.60	362	15	267	90	162	<20	<20	3	2
S1 L72+00E 47+50N		10	5.50	399	12	240	37	174	<20	<20	10	3

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S1 L68+00E 47+50N		0.37	0.10	0.02	0.10	37	6
S1 L68+00E 47+25N		1.03	0.24	0.03	0.47	35	7
S1 L68+00E 47+00N		0.02	0.01	0.02	0.02	<1	11
S1 L68+00E 46+75N		0.53	0.05	0.05	0.19	10	31
S1 L68+00E 46+50N		0.18	0.03	0.04	0.06	4	17
S1 L68+00E 46+25N		1.32	0.15	0.02	0.41	22	5
S1 L68+00E 46+00N		0.99	0.07	0.03	0.24	6	15
S1 L69+00E 48+25N		0.07	0.03	0.05	0.07	2	38
S1 L69+00E 48+00N		0.50	0.11	0.02	0.10	7	6
S1 L69+00E 47+75N		1.52	0.38	0.02	0.62	23	4
S1 L69+00E 47+50N		0.06	0.04	0.02	0.03	6	4
S1 L69+00E 47+25N		1.52	0.54	0.03	0.40	55	5
S1 L69+00E 47+00N		1.49	0.58	0.02	1.01	23	7
S1 L69+00E 46+75N		0.97	0.07	0.03	0.16	5	8
S1 L69+00E 46+50N		0.03	0.02	0.02	0.04	2	8
S1 L69+00E 46+25N		1.13	0.07	0.02	0.13	9	7
S1 L69+00E 46+00N		1.16	0.18	0.02	0.28	18	5
S1 L70+00E 48+25N		1.30	0.18	0.02	0.52	14	12
S1 L70+00E 48+00N		0.16	0.06	0.02	0.05	6	8
S1 L70+00E 47+75N		1.35	0.10	0.01	0.20	9	6
S1 L70+00E 47+50N		1.10	0.16	0.02	0.21	12	5
S1 L70+00E 47+25N		2.27	0.52	0.02	1.39	20	5
S1 L70+00E 47+00N		1.27	0.42	0.02	0.64	19	5
S1 L70+00E 46+75N		0.23	0.04	0.02	0.05	5	7
S1 L70+00E 46+50N		0.75	0.04	0.02	0.21	5	7
S1 L70+00E 46+25N		0.52	0.06	0.02	0.05	6	7
S1 L70+00E 46+00N		0.71	0.13	0.02	0.15	14	5
S1 L71+00E 48+00N		1.18	0.16	0.03	0.47	10	7
S1 L71+00E 47+75N		0.73	0.15	0.02	0.15	13	8
S1 L71+00E 47+50N		0.11	0.03	0.04	0.07	1	27
S1 L71+00E 47+25N		1.64	0.36	0.02	0.89	25	5
S1 L71+00E 47+00N		0.73	0.24	0.02	0.34	25	5
S1 L71+00E 46+75N		1.56	0.11	0.05	0.50	12	32
S1 L71+00E 46+50N		0.04	0.07	0.03	0.04	2	20
S1 L71+00E 46+25N		1.60	0.22	0.03	0.39	22	14
S1 L71+00E 46+00N		1.02	0.07	0.03	0.17	8	6
S1 L72+00E 48+25N		1.15	0.14	0.03	0.22	12	7
S1 L72+00E 48+00N		1.91	0.28	0.04	0.87	16	5
S1 L72+00E 47+75N		1.27	0.15	0.03	0.35	13	3
S1 L72+00E 47+50N		1.09	0.12	0.03	0.20	9	7

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S1 L72+00E 47+25N		<5	0.9	36	33	102	8	7	7	<1.0	<5	88
S1 L72+00E 47+00N		<5	0.3	129	18	207	4	57	19	<1.0	<5	35
S1 L72+00E 46+75N		<5	0.7	73	19	156	4	48	15	<1.0	<5	42
S1 L72+00E 46+50N		<5	1.0	13	27	130	7	24	5	<1.0	<5	59
S1 L72+00E 46+25N		<5	0.6	27	23	115	8	31	5	<1.0	<5	43
S1 L72+00E 46+00N		12	<0.2	269	14	72	5	93	14	<1.0	<5	43
T1 64342		7	<0.2	75	11	121	2	15	12	<1.0	<5	20
T1 64344		12	0.4	92	18	172	3	14	12	<1.0	<5	38
R2 64065		<5	<0.2	80	11	36	2	11	24	<1.0	<5	20
R2 64066		<5	<0.2	38	14	55	2	19	16	<1.0	<5	19
R2 64067		<5	<0.2	51	12	100	2	11	15	<1.0	<5	19
R2 64068		<5	<0.2	64	11	35	12	8	16	<1.0	<5	29
R2 64069		<5	0.3	334	7	13	22	15	37	<1.0	<5	9
R2 64116		<5	<0.2	33	3	10	26	2	4	<1.0	<5	7
R2 64117		<5	<0.2	50	5	15	9	3	5	<1.0	<5	10
R2 64118		<5	<0.2	82	7	21	7	3	3	<1.0	<5	14
R2 64119		14	<0.2	57	5	25	7	3	8	<1.0	<5	11
R2 64236		<5	<0.2	3	5	60	2	3	5	<1.0	<5	18
R2 64237		19	0.5	244	23	439	4	88	25	<1.0	<5	30
R2 64238		<5	<0.2	17	5	19	1	3	3	<1.0	<5	11
R2 64239		<5	<0.2	9	7	26	3	3	2	<1.0	<5	15
R2 64240		<5	<0.2	30	5	18	<1	3	3	<1.0	<5	8
R2 64241		37	0.2	13	7	9	6	2	2	<1.0	<5	28
R2 64242		<5	<0.2	8	7	3	2	3	2	<1.0	<5	11
R2 64243		<5	<0.2	9	8	48	3	3	3	<1.0	<5	14
R2 64244		<5	<0.2	6	4	14	4	4	4	<1.0	<5	9
R2 64245		6	0.2	62	7	30	3	3	4	<1.0	<5	15
R2 64246		<5	<0.2	111	5	13	2	3	5	<1.0	<5	19
R2 64247		<5	0.5	61	8	34	3	3	6	<1.0	<5	19
R2 64248		28	0.8	149	10	9	51	3	15	<1.0	<5	13
R2 64249		20	0.4	12	25	5	147	4	5	<1.0	<5	<5
R2 64250		23	<0.2	55	5	11	22	2	2	<1.0	<5	8
R2 64251		46	1.1	41	188	40	6	5	3	<1.0	<5	6
R2 64345		<5	<0.2	2	12	72	<1	2	5	<1.0	<5	6
R2 64346		553	8.7	715	43	28	73	6	3	<1.0	<5	29
R2 64347		<5	<0.2	30	4	9	11	2	3	<1.0	<5	9
R2 64348		<5	<0.2	10	6	42	11	4	6	<1.0	<5	13
R2 64349		<5	<0.2	35	7	15	46	3	4	<1.0	<5	10
R2 64350		<5	<0.2	33	4	17	10	3	3	<1.0	<5	<5
R2 64351		<5	0.3	55	13	30	2	215	19	<1.0	<5	28

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S1 L72+00E 47+25N		19	4.39	424	20	68	14	46	<20	<20	24	6.38
S1 L72+00E 47+00N		13	4.26	1767	16	411	75	161	<20	<20	6	2.53
S1 L72+00E 46+75N		15	4.47	1105	20	398	68	150	<20	<20	12	3.07
S1 L72+00E 46+50N		15	4.08	340	15	42	52	32	<20	<20	33	5.05
S1 L72+00E 46+25N		10	3.97	367	12	88	77	57	<20	<20	17	3.81
S1 L72+00E 46+00N		10	3.85	390	14	313	171	121	<20	<20	9	3.19
T1 64342		7	2.89	1167	<10	122	18	67	<20	<20	9	1.82
T1 64344		8	3.24	1352	12	147	12	76	<20	<20	10	2.06
R2 64065		8	3.13	538	13	216	33	115	<20	<20	7	1.68
R2 64066		9	4.56	1033	13	354	46	168	<20	<20	6	2.22
R2 64067		8	5.01	1061	12	408	24	224	<20	<20	9	2.34
R2 64068		10	3.40	595	15	134	35	136	<20	<20	8	2.49
R2 64069		6	3.46	848	<10	594	50	49	<20	<20	10	0.82
R2 64116		<5	1.24	480	<10	265	71	21	<20	<20	12	0.56
R2 64117		<5	1.72	443	<10	217	63	35	<20	37	10	0.75
R2 64118		<5	1.41	450	<10	124	76	31	<20	<20	11	0.96
R2 64119		<5	1.76	601	<10	154	48	28	<20	<20	7	0.83
R2 64236		6	2.47	596	<10	160	29	46	<20	<20	13	1.22
R2 64237		11	5.58	934	15	231	100	171	<20	<20	12	2.23
R2 64238		<5	1.21	425	<10	89	93	35	<20	<20	8	0.94
R2 64239		5	1.65	242	<10	228	47	27	<20	<20	11	0.95
R2 64240		<5	1.70	692	<10	176	70	29	<20	<20	14	0.81
R2 64241		<5	1.88	94	<10	139	75	9	<20	<20	2	0.63
R2 64242		<5	1.30	474	<10	39	123	31	<20	<20	8	0.86
R2 64243		5	1.46	844	<10	238	86	20	<20	34	11	0.93
R2 64244		6	0.95	248	<10	103	208	8	<20	<20	6	0.36
R2 64245		8	1.72	637	<10	187	70	31	<20	<20	8	1.10
R2 64246		<5	1.25	620	<10	164	78	17	<20	<20	17	0.61
R2 64247		7	1.88	783	11	179	76	31	<20	<20	10	1.22
R2 64248		6	7.15	201	<10	31	74	56	<20	69	3	0.88
R2 64249		<5	2.68	86	<10	205	127	15	<20	<20	8	0.43
R2 64250		<5	1.44	254	<10	625	112	15	<20	<20	7	0.42
R2 64251		<5	1.69	68	<10	363	111	5	<20	<20	3	0.27
R2 64345		<5	2.24	783	<10	193	52	41	<20	<20	6	1.26
R2 64346		6	2.64	55	<10	48	185	48	<20	<20	<1	0.34
R2 64347		<5	1.18	483	<10	211	79	22	<20	<20	11	0.66
R2 64348		<5	3.07	637	<10	176	89	22	<20	<20	7	1.03
R2 64349		6	1.39	842	<10	251	90	20	<20	<20	15	0.72
R2 64350		<5	1.50	895	<10	212	72	23	<20	<20	11	0.70
R2 64351		10	1.79	389	<10	537	296	44	<20	<20	4	1.00

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S1 L72+00E 47+25N		0.34	0.06	0.03	0.08	7	14
S1 L72+00E 47+00N		1.44	0.48	0.04	0.61	32	5
S1 L72+00E 46+75N		1.59	0.49	0.03	0.86	30	10
S1 L72+00E 46+50N		0.37	0.04	0.04	0.06	3	17
S1 L72+00E 46+25N		0.61	0.07	0.04	0.17	7	10
S1 L72+00E 46+00N		1.97	0.19	0.03	0.82	24	7
T1 64342		1.02	1.39	0.02	0.30	79	10
T1 64344		1.00	1.05	0.03	0.32	51	12
R2 64065		1.17	1.53	0.07	1.12	246	7
R2 64066		1.16	2.47	0.07	1.63	315	6
R2 64067		1.42	1.13	0.08	1.81	71	8
R2 64068		1.45	1.40	0.07	1.49	169	8
R2 64069		0.18	0.48	0.02	0.49	27	7
R2 64116		0.10	1.56	0.05	0.35	88	9
R2 64117		0.26	0.48	0.05	0.48	137	7
R2 64118		0.23	1.39	0.06	0.34	413	7
R2 64119		0.29	1.30	0.05	0.55	93	6
R2 64236		0.56	1.08	0.06	0.92	31	9
R2 64237		1.63	0.77	0.06	1.02	48	12
R2 64238		0.32	0.78	0.07	0.39	182	6
R2 64239		0.31	0.43	0.04	0.65	46	9
R2 64240		0.23	1.01	0.06	0.46	228	10
R2 64241		0.11	0.05	0.02	0.43	12	1
R2 64242		0.05	1.19	0.07	0.10	691	6
R2 64243		0.33	1.60	0.04	0.62	178	9
R2 64244		0.07	0.41	0.03	0.24	34	3
R2 64245		0.46	0.66	0.05	0.51	217	7
R2 64246		0.05	1.96	0.04	0.37	90	10
R2 64247		0.38	0.99	0.06	0.65	291	7
R2 64248		0.14	0.52	0.04	0.52	93	5
R2 64249		0.04	0.08	0.06	0.26	15	2
R2 64250		0.07	0.17	0.04	0.27	183	4
R2 64251		0.03	0.05	0.06	0.19	25	2
R2 64345		0.64	0.83	0.08	0.98	46	5
R2 64346		0.04	0.03	0.02	0.24	8	<1
R2 64347		0.14	1.57	0.05	0.42	170	9
R2 64348		0.32	0.18	0.02	0.70	26	5
R2 64349		0.09	2.01	0.03	0.49	159	11
R2 64350		0.08	0.95	0.04	0.41	82	9
R2 64351		1.40	3.67	0.10	0.49	72	6

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01 64341		8	0.3	67	15	90	3	13	11	<1.0	<5	24
01 64343		82	0.3	82	19	132	3	12	11	<1.0	<5	41

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01 64341		8	2.57	1276	13	118	17	56	<20	<20	10	1.54
01 64343		10	2.94	1360	12	132	10	67	<20	<20	10	1.79

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01 64341		0.90	1.68	0.02	0.28	91	10
01 64343		0.92	1.11	0.03	0.34	51	11

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STANDARD NAME	ELEMENT UNITS	Au_10g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
LOW AU STANDARD		51	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-
Mean Value		51.0	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		50	-	-	-	-	-	-	-	-	-	-
GEO TRACE STD-2 1989		-	6.9	677	187	411	409	434	33	<1.0	<5	258
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1
Mean Value		-	6.91	676.6	186.8	411.4	409.2	433.8	32.6	0.50	2.5	257.8
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	5.0	820	250	500	600	600	40	2.0	4	320
ANALYTICAL BLANK		<5	<0.2	<1	<2	<1	<1	<1	<1	<1.0	<5	<5
ANALYTICAL BLANK		<5	<0.2	<1	<2	<1	1	<1	<1	<1.0	<5	<5
ANALYTICAL BLANK		<5	<0.2	<1	<2	<1	<1	<1	<1	<1.0	<5	<5
Number of Analyses		3	3	3	3	3	3	3	3	3	3	3
Mean Value		2.5	0.10	0.5	1.0	0.5	0.7	0.5	0.5	0.50	2.5	2.5
Standard Deviation		0.00	0.000	0.00	0.00	0.00	0.35	0.00	0.00	0.000	0.00	0.00
Accepted Value		5	-	-	-	-	-	-	-	-	-	-
GEO TRACE STD1 1989		-	33.2	171	20	49	14	13	8	<1.0	<5	10
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1
Mean Value		-	33.21	171.3	20.2	48.5	14.1	13.1	7.7	0.50	2.5	10.0
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	36.0	190	15	62	17	14	7	0.2	1	8
GEO TRACE STD 3 1989		-	0.5	280	39	248	4	47	10	<1.0	<5	45
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.51	279.7	39.3	247.7	3.5	47.3	9.7	0.50	2.5	45.4
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.5	290	33	255	4	42	9	0.8	2	30

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LOW AU STANDARD		-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-
GEO TRACE STD-2 1989		44	3.46	598	14	210	128	32	<20	<20	5	4.19
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		44.3	3.465	597.9	14.2	210.0	127.9	32.3	10.0	10.0	5.5	4.190
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		50	5.00	850	-	220	167	34	16	8	6	5.10
ANALYTICAL BLANK		<5	0.01	<1	<10	<2	<1	<1	<20	<20	<1	<0.01
ANALYTICAL BLANK		<5	0.01	<1	<10	<2	<1	<1	<20	<20	<1	<0.01
ANALYTICAL BLANK		<5	<0.01	<1	<10	<2	<1	<1	<20	<20	<1	<0.01
Number of Analyses		3	3	3	3	3	3	3	3	3	3	3
Mean Value		2.5	0.010	0.5	5.0	1.0	0.5	0.5	10.0	10.0	0.5	0.005
Standard Deviation		0.00	0.0042	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
Accepted Value		-	-	-	-	-	-	-	-	-	-	-
GEO TRACE STD1 1989		11	3.54	407	11	70	85	87	<20	<20	4	2.33
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		11.1	3.536	407.5	11.3	70.2	85.1	86.9	10.0	10.0	3.8	2.333
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		7	4.50	500	-	74	89	90	-	2	4	2.75
GEO TRACE STD 3 1989		6	2.53	546	11	69	79	10	<20	<20	4	0.74
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		6.1	2.527	546.1	11.2	69.3	79.1	10.2	10.0	10.0	4.0	0.743
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5	2.40	600	-	64	75	9	5	1	4	0.77

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 10-JUL-91

REPORT: V91-00764.0 (COMPLETE)

PROJECT: 8117

STANDARD NAME	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
LOW AU STANDARD		-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-
Mean Value		-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-
GEO TRACE STD-2 1989		3.32	3.36	0.26	0.16	70	4
Number of Analyses		1	1	1	1	1	1
Mean Value		3.321	3.356	0.262	0.163	70.3	4.1
Standard Deviation		-	-	-	-	-	-
Accepted Value		4.90	5.13	0.30	0.20	78	6
ANALYTICAL BLANK		<0.01	<0.01	<0.01	<0.01	<1	<1
ANALYTICAL BLANK		<0.01	<0.01	0.01	<0.01	<1	<1
ANALYTICAL BLANK		0.01	<0.01	0.01	<0.01	<1	<1
Number of Analyses		3	3	3	3	3	3
Mean Value		0.007	0.005	0.008	0.005	0.5	0.5
Standard Deviation		0.0033	0.0000	0.0030	0.0000	0.00	0.00
Accepted Value		-	-	-	-	-	-
GEO TRACE STD1 1989		0.91	0.64	0.06	0.11	60	5
Number of Analyses		1	1	1	1	1	1
Mean Value		0.906	0.642	0.057	0.109	60.2	5.5
Standard Deviation		-	-	-	-	-	-
Accepted Value		1.21	0.76	0.06	0.12	63	-
GEO TRACE STD 3 1989		1.12	1.38	0.06	0.15	42	3
Number of Analyses		1	1	1	1	1	1
Mean Value		1.117	1.376	0.057	0.147	41.6	3.3
Standard Deviation		-	-	-	-	-	-
Accepted Value		1.34	1.66	0.04	0.14	39	4

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SAMPLE NUMBER	ELEMENT UNITS	Au_10g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
L68+00E 46+50N		128	0.9	99	19	122	11	22	5	<1.0	<5	26
Duplicate		114	1.3	100	28	122	12	23	5	<1.0	<5	56
L70+00E 47+25N		13	<0.2	318	16	103	7	51	26	<1.0	<5	32
Duplicate			<0.2	321	12	103	7	51	27	<1.0	<5	30
L71+00E 48+00N		<5	0.4	115	15	101	5	18	9	<1.0	<5	30
Duplicate		<5										
L72+00E 47+00N		<5	0.3	129	18	207	4	57	19	<1.0	<5	35
Duplicate			0.4	131	16	210	4	60	19	<1.0	<5	37
64067		<5	<0.2	51	12	100	2	11	15	<1.0	<5	19
Duplicate		<5										
64237		19	0.5	244	23	439	4	88	25	<1.0	<5	30
Duplicate			<0.2	243	21	434	3	87	25	<1.0	<5	22
64345		<5	<0.2	2	12	72	<1	2	5	<1.0	<5	6
Duplicate		<5										
64350		<5	<0.2	33	4	17	10	3	3	<1.0	<5	<5
Prep Duplicate		<5	<0.2	34	5	17	9	3	4	<1.0	<5	11
Duplicate			<0.2	35	6	17	9	3	4	<1.0	<5	8

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SAMPLE NUMBER	ELEMENT UNITS	Sb PPM	Fe PCT	Mn PPM	Te PPM	Ba PPM	Cr PPM	V PPM	Sn PPM	W PPM	La PPM	Al PCT
L68+00E 46+50N		<5	4.62	345	<10	46	53	26	<20	<20	27	6.01
Duplicate		16	4.55	342	12	46	52	26	<20	<20	27	5.95
L70+00E 47+25N		14	5.34	1292	13	436	93	190	<20	<20	6	2.77
Duplicate		13	5.42	1299	16	438	93	193	<20	<20	6	2.81
L71+00E 48+00N		11	4.36	577	13	322	42	123	<20	<20	11	3.12
Duplicate												
L72+00E 47+00N		13	4.26	1767	16	411	75	161	<20	<20	6	2.53
Duplicate		12	4.38	1804	18	415	77	165	<20	<20	7	2.56
64067		8	5.01	1061	12	408	24	224	<20	<20	9	2.34
Duplicate												
64237		11	5.58	934	15	231	100	171	<20	<20	12	2.23
Duplicate		7	5.50	924	11	183	99	170	<20	<20	12	2.24
64345		<5	2.24	783	<10	193	52	41	<20	<20	6	1.26
Duplicate												
64350		<5	1.50	895	<10	212	72	23	<20	<20	11	0.70
Prep Duplicate		5	1.51	909	<10	216	73	23	<20	<20	10	0.68
Duplicate		<5	1.55	936	<10	224	74	24	<20	<20	11	0.71

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SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
L68+00E 46+50N		0.18	0.03	0.04	0.06	4	17
Duplicate		0.18	0.03	0.04	0.06	4	16
L70+00E 47+25N		2.27	0.52	0.02	1.39	20	5
Duplicate		2.30	0.54	0.02	1.41	21	6
L71+00E 48+00N		1.18	0.16	0.03	0.47	10	7
Duplicate							
L72+00E 47+00N		1.44	0.48	0.04	0.61	32	5
Duplicate		1.50	0.49	0.04	0.61	32	6
64067		1.42	1.13	0.08	1.81	71	8
Duplicate							
64237		1.63	0.77	0.06	1.02	48	12
Duplicate		1.61	0.75	0.06	1.01	48	12
64345		0.64	0.83	0.08	0.98	46	5
Duplicate							
64350		0.08	0.95	0.04	0.41	82	9
Prep Duplicate		0.08	0.93	0.04	0.42	80	8
Duplicate		0.08	0.98	0.04	0.43	83	9

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Certificate of Analysis

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

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SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R2 64346		0.024#

Registered Assayer, Province of British Columbia

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Geochemical Lab Report

A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

REPORT: V91-00770.0 (COMPLETE)

DATE PRINTED: 10-JUL-91
PROJECT: 8117

SAMPLE NUMBER	ELEMENT UNITS	Au_10g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
S1 L70+00E 42+25N		266	1.1	1120	37	151	17	26	17	<1.0	<5	51
S1 L70+00E 40+50N		132	0.3	88	54	106	8	10	11	<1.0	<5	51
S1 L70+00E 40+25N		94	1.0	89	18	127	13	13	11	<1.0	<5	40
S1 L70+00E 40+00N		57	1.6	85	78	234	27	7	6	<1.0	<5	61
S1 L70+00E 39+75N		16	0.4	57	31	179	8	12	13	<1.0	<5	46
S1 L70+00E 39+50N		77	2.2	162	40	122	63	5	12	<1.0	<5	48
S1 L73+00E 41+75N		<5	1.0	15	33	188	8	11	7	<1.0	<5	45
S1 L73+00E 41+62.5N		<5	0.8	40	21	60	5	29	8	<1.0	<5	21
S1 L73+00E 41+50N		10	0.3	225	20	88	7	28	25	<1.0	<5	32
S1 L73+00E 41+37.5N		<5	<0.2	113	15	171	4	55	20	<1.0	<5	30
S1 L73+00E 41+25N		<5	0.8	64	16	99	5	50	15	<1.0	<5	37
S1 L75+00E 39+37.5N		<5	<0.2	95	17	112	5	27	24	<1.0	<5	36
S1 L75+00E 39+25N		<5	0.5	107	24	112	5	31	18	<1.0	<5	43
S1 L75+00E 39+12.5N		12	0.5	53	19	70	6	24	13	<1.0	<5	32
S1 L76+00E 38+75N		<5	0.9	52	27	65	9	27	8	<1.0	<5	41
S1 L76+00E 38+62.5N		6	1.6	176	50	125	39	30	15	<1.0	<5	49
S1 L76+00E 38+50N		32	1.9	700	62	155	53	29	31	<1.0	<5	51
S1 L76+00E 38+25N		<5	1.2	97	24	83	28	23	12	<1.0	<5	44
S1 L80+87.5E 39+75N		<5	0.3	59	19	87	4	62	12	<1.0	<5	40
S1 L80+87.5E 38+00N		<5	0.6	29	30	63	7	41	9	<1.0	<5	52
S1 L81+00E 39+89.5N		<5	<0.2	8	33	46	6	3	<1	<1.0	<5	11
S1 L81+00E 39+75N A		6	0.4	20	18	78	3	33	6	<1.0	<5	22
S1 L81+00E 39+75N B		<5	<0.2	47	24	91	6	75	12	<1.0	<5	27
S1 L81+00E 39+62.5N		<5	0.2	30	24	72	6	98	10	<1.0	<5	52
S1 L81+00E 38+12.5N		6	<0.2	20	30	92	9	14	4	<1.0	<5	49
S1 L81+00E 38+00N A		18	0.3	15	12	48	4	20	3	<1.0	<5	14
S1 L81+00E 38+00N B		321	<0.2	68	16	97	3	50	12	<1.0	<5	23
S1 L81+00E 37+89.5N		16	0.4	19	31	68	9	11	3	<1.0	<5	51
S1 L81+12.5E 39+75N		16	<0.2	81	20	71	5	114	16	<1.0	<5	45
S1 L81+12.5E 38+00N		<5	<0.2	12	23	103	5	4	2	<1.0	<5	41
S1 L95+87.5E 45+50N		<5	1.2	17	35	94	8	15	2	<1.0	<5	59
S1 L96+00E 45+62.5N		<5	<0.2	16	31	295	5	89	21	<1.0	<5	71
S1 L96+00E 45+50N A		11	0.5	24	41	161	4	41	6	<1.0	<5	39
S1 L96+00E 45+50N B		7	<0.2	34	43	248	<1	66	20	<1.0	<5	21
S1 L96+00E45+50N GRAVEL		<5	0.4	58	28	242	3	89	16	<1.0	<5	45
S1 L96+00E 45+37.5N		<5	0.4	34	27	352	4	143	25	<1.0	<5	78
S1 L96+00E 43+00N A		14	0.9	14	17	52	11	7	2	<1.0	<5	17
S1 L96+00E 43+00N B		<5	0.6	19	36	112	11	6	2	<1.0	<5	27
S1 L96+00E43+00N GRAVEL		<5	0.5	18	25	111	7	5	2	<1.0	<5	44
S1 L96+12.5E 45+50N		6	0.2	47	72	1789	6	68	13	<1.0	<5	65

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Geochemical Lab Report

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S1 L70+00E 42+25N		15	8.26	437	11	73	54	107	<20	<20	7	3.20
S1 L70+00E 40+50N		11	4.88	501	16	130	21	114	<20	<20	21	3.76
S1 L70+00E 40+25N		11	4.11	662	16	331	22	112	<20	<20	24	2.85
S1 L70+00E 40+00N		12	4.18	324	11	64	15	82	<20	<20	16	3.22
S1 L70+00E 39+75N		10	4.97	963	14	104	20	112	<20	<20	48	3.66
S1 L70+00E 39+50N		8	4.63	726	12	71	9	44	<20	<20	35	3.98
S1 L73+00E 41+75N		10	4.81	489	<10	63	8	9	<20	<20	41	4.04
S1 L73+00E 41+62.5N		10	4.06	210	12	151	60	137	<20	<20	7	2.03
S1 L73+00E 41+50N		15	5.32	744	20	592	37	197	<20	<20	7	2.42
S1 L73+00E 41+37.5N		11	4.73	776	15	399	82	165	<20	<20	5	2.57
S1 L73+00E 41+25N		11	4.45	491	16	322	80	140	<20	<20	8	2.72
S1 L75+00E 39+37.5N		12	5.38	667	18	579	51	191	<20	<20	5	2.91
S1 L75+00E 39+25N		11	5.49	818	18	750	57	213	<20	<20	6	2.20
S1 L75+00E 39+12.5N		13	5.20	351	20	248	54	183	<20	<20	5	2.15
S1 L76+00E 38+75N		12	6.42	349	15	115	47	154	<20	<20	14	3.52
S1 L76+00E 38+62.5N		11	4.99	1310	18	183	58	152	<20	<20	9	3.06
S1 L76+00E 38+50N		11	6.83	1425	14	506	44	206	<20	<20	3	3.10
S1 L76+00E 38+25N		12	6.57	442	19	169	47	195	<20	<20	5	2.98
S1 L80+87.5E 39+75N		13	4.56	421	16	253	124	108	<20	<20	21	3.25
S1 L80+87.5E 38+00N		16	6.13	301	18	113	74	97	<20	<20	22	3.66
S1 L81+00E 39+89.5N		<5	1.40	205	<10	24	9	28	<20	<20	26	0.50
S1 L81+00E 39+75N A		6	1.48	1735	<10	174	43	35	<20	<20	7	0.88
S1 L81+00E 39+75N B		12	4.14	1876	13	145	161	88	<20	<20	18	3.07
S1 L81+00E 39+62.5N		16	3.74	325	17	130	157	54	<20	<20	24	4.95
S1 L81+00E 38+12.5N		15	6.04	1797	13	32	65	63	<20	<20	38	3.69
S1 L81+00E 38+00N A		5	2.93	771	<10	58	47	86	<20	<20	9	1.00
S1 L81+00E 38+00N B		10	3.95	1108	10	133	102	122	<20	<20	12	3.22
S1 L81+00E 37+89.5N		14	5.27	466	12	28	19	22	<20	<20	41	4.80
S1 L81+12.5E 39+75N		14	4.11	869	15	194	215	92	<20	<20	14	3.90
S1 L81+12.5E 38+00N		8	3.63	656	<10	36	7	8	<20	<20	45	4.27
S1 L95+87.5E 45+50N		16	4.51	304	15	71	82	40	<20	<20	23	4.37
S1 L96+00E 45+62.5N		13	5.47	1472	15	33	240	111	<20	<20	28	3.95
S1 L96+00E 45+50N A		12	4.85	417	14	49	158	125	<20	<20	10	3.51
S1 L96+00E 45+50N B		<5	3.93	1187	<10	114	206	125	<20	<20	9	4.70
S1 L96+00E45+50N GRAVEL		11	4.19	1189	15	153	34	103	<20	<20	24	1.86
S1 L96+00E 45+37.5N		23	5.10	895	24	165	366	157	<20	<20	14	4.50
S1 L96+00E 43+00N A		<5	3.72	302	<10	17	18	42	23	<20	34	0.64
S1 L96+00E 43+00N B		7	6.43	1001	<10	29	51	23	<20	<20	46	3.04
S1 L96+00E43+00N GRAVEL		9	3.66	952	<10	443	16	5	<20	<20	31	4.46
S1 L96+12.5E 45+50N		12	6.25	1288	17	66	226	121	<20	<20	31	4.58

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SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
S1 L70+00E 42+25N		0.61	0.08	0.02	0.23	10	8
S1 L70+00E 40+50N		0.47	0.14	0.03	0.16	16	16
S1 L70+00E 40+25N		0.74	0.36	0.04	0.17	44	11
S1 L70+00E 40+00N		0.37	0.16	0.03	0.09	21	10
S1 L70+00E 39+75N		0.82	0.20	0.03	0.39	19	28
S1 L70+00E 39+50N		0.18	0.23	0.04	0.10	9	25
S1 L73+00E 41+75N		0.07	0.03	0.06	0.09	2	30
S1 L73+00E 41+62.5N		0.64	0.27	0.04	0.10	76	5
S1 L73+00E 41+50N		1.46	0.47	0.03	0.60	50	7
S1 L73+00E 41+37.5N		1.60	0.48	0.03	0.80	55	4
S1 L73+00E 41+25N		1.22	0.46	0.03	0.53	64	5
S1 L75+00E 39+37.5N		1.56	0.47	0.03	0.54	56	4
S1 L75+00E 39+25N		1.35	0.61	0.03	0.32	107	4
S1 L75+00E 39+12.5N		0.97	0.45	0.04	0.20	65	5
S1 L76+00E 38+75N		1.04	0.11	0.03	0.42	31	8
S1 L76+00E 38+62.5N		1.47	0.34	0.03	0.73	41	8
S1 L76+00E 38+50N		1.88	0.46	0.02	1.10	32	5
S1 L76+00E 38+25N		0.77	0.10	0.02	0.23	13	4
S1 L80+87.5E 39+75N		1.49	0.11	0.03	0.49	13	19
S1 L80+87.5E 38+00N		0.89	0.22	0.04	0.31	12	12
S1 L81+00E 39+89.5N		0.05	0.05	0.02	0.06	8	5
S1 L81+00E 39+75N A		0.39	0.47	0.03	0.13	58	4
S1 L81+00E 39+75N B		1.26	0.20	0.06	0.30	20	12
S1 L81+00E 39+62.5N		1.23	0.13	0.05	0.45	7	12
S1 L81+00E 38+12.5N		0.34	0.05	0.04	0.09	5	16
S1 L81+00E 38+00N A		0.42	0.22	0.04	0.12	20	4
S1 L81+00E 38+00N B		1.30	0.31	0.03	0.39	22	10
S1 L81+00E 37+89.5N		0.17	0.08	0.06	0.07	3	16
S1 L81+12.5E 39+75N		1.75	0.20	0.04	0.52	13	14
S1 L81+12.5E 38+00N		0.09	0.05	0.06	0.11	2	17
S1 L95+87.5E 45+50N		0.26	0.04	0.07	0.07	2	12
S1 L96+00E 45+62.5N		1.79	0.07	0.02	0.05	4	36
S1 L96+00E 45+50N A		1.73	0.08	0.03	0.04	9	6
S1 L96+00E 45+50N B		2.70	0.15	0.05	0.14	18	9
S1 L96+00E45+50N GRAVEL		0.91	0.25	0.02	0.15	18	25
S1 L96+00E 45+37.5N		3.15	0.21	0.02	0.13	13	13
S1 L96+00E 43+00N A		0.09	0.08	0.03	0.07	8	8
S1 L96+00E 43+00N B		0.06	0.06	0.08	0.11	2	20
S1 L96+00E43+00N GRAVEL		0.05	0.07	0.16	0.15	4	18
S1 L96+12.5E 45+50N		1.83	0.13	0.03	0.07	10	12

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SAMPLE NUMBER	ELEMENT UNITS	Au_10g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Cd PPM	Bi PPM	As PPM
T1 64257		90	0.5	66	19	125	6	200	15	<1.0	<5	54
T1 64259		254	0.4	72	18	105	5	191	17	<1.0	<5	63
T1 64261		553	0.4	87	20	114	4	200	19	<1.0	<5	79
T1 64262		101	<0.2	77	19	128	4	157	24	<1.0	<5	92
T1 64263		6	1.8	295	24	134	4	277	7	3.4	<5	42
R2 64075		<5	<0.2	103	13	71	3	23	26	<1.0	<5	7
R2 64076		<5	<0.2	112	15	96	5	40	26	<1.0	<5	31
R2 64077		13	<0.2	301	5	43	2	18	13	<1.0	<5	12
R2 64078		<5	<0.2	34	4	45	<1	2	4	<1.0	<5	7
R2 64079		19	<0.2	206	15	95	9	60	21	<1.0	<5	17
R2 64080		10	<0.2	279	15	62	23	75	17	<1.0	<5	36
R2 64081		118	0.7	1184	20	93	3	40	27	<1.0	<5	18
R2 64082		769	12.9	10290	7	50	3	6	18	<1.0	<5	9
R2 64083		43	<0.2	635	17	51	12	50	17	<1.0	<5	40
R2 64084		<5	0.4	151	<2	3	<1	5	<1	<1.0	<5	<5
R2 64085		14	0.7	310	95	306	23	36	18	<1.0	<5	26
R2 64252		<5	0.5	479	17	92	4	12	21	<1.0	<5	40
R2 64253		<5	<0.2	33	18	82	2	288	29	<1.0	<5	52
R2 64254		<5	<0.2	9	4	6	1	9	1	<1.0	<5	<5
R2 64255		538	<0.2	14	22	138	3	141	17	<1.0	<5	41
R2 64256		53	1.3	7	326	1176	3	5	4	8.1	<5	50
R2 64264		<5	<0.2	138	13	52	6	168	20	<1.0	<5	19
R2 64265		2170	2.8	143	17	15	1	14	7	<1.0	<5	25
R2 64352		12	<0.2	51	11	45	6	127	15	<1.0	<5	27
R2 64353		<5	<0.2	92	17	82	9	184	24	<1.0	<5	36
R2 64354		938	<0.2	91	8	46	<1	142	15	<1.0	<5	12
R2 64355		28	<0.2	22	7	14	11	18	31	<1.0	<5	23
01 64258		225	<0.2	59	10	99	3	196	12	<1.0	<5	15
01 64260		67	<0.2	49	10	85	3	149	10	<1.0	<5	37

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T1 64257		13	3.68	1135	15	311	194	99	<20	<20	12	2.83
T1 64259		13	3.65	1142	15	320	198	99	<20	<20	11	2.78
T1 64261		13	3.76	1070	16	328	228	105	<20	<20	9	2.87
T1 64262		9	3.26	1552	11	249	141	89	<20	<20	45	2.69
T1 64263		9	1.06	2654	<10	320	67	48	<20	<20	104	1.09
R2 64075		7	5.55	1555	<10	398	53	333	<20	<20	9	1.92
R2 64076		13	5.46	1364	19	1237	89	282	<20	<20	7	3.03
R2 64077		<5	2.01	549	<10	387	171	75	<20	<20	4	0.82
R2 64078		<5	1.04	743	<10	165	28	16	<20	<20	4	0.68
R2 64079		6	5.21	1116	17	1762	123	270	<20	<20	6	3.05
R2 64080		13	5.03	445	17	97	105	205	<20	<20	7	3.05
R2 64081		8	6.50	239	<10	32	107	58	<20	<20	2	1.46
R2 64082		6	3.80	299	<10	58	238	64	<20	<20	5	0.66
R2 64083		13	4.26	968	19	498	172	255	<20	<20	13	3.62
R2 64084		<5	0.39	65	<10	7	366	5	<20	<20	<1	0.04
R2 64085		7	3.29	621	<10	189	114	144	<20	<20	13	1.37
R2 64252		13	4.41	933	19	613	43	160	<20	<20	7	2.56
R2 64253		13	4.70	663	13	153	496	169	<20	<20	4	3.96
R2 64254		<5	0.38	81	<10	11	331	4	<20	<20	<1	0.05
R2 64255		17	4.35	753	21	914	252	156	<20	<20	4	5.96
R2 64256		13	1.99	992	<10	194	66	16	<20	<20	9	1.03
R2 64264		8	2.89	290	12	399	230	91	<20	<20	5	2.07
R2 64265		6	1.37	51	28	14	343	3	<20	<20	<1	0.02
R2 64352		6	3.90	458	11	550	257	170	<20	<20	5	3.39
R2 64353		18	3.96	398	19	403	379	144	<20	<20	3	3.39
R2 64354		<5	2.96	1149	14	433	267	92	<20	<20	<1	3.45
R2 64355		<5	2.54	373	<10	63	103	28	<20	<20	3	0.50
01 64258		<5	3.02	1508	<10	338	157	86	<20	<20	12	2.51
01 64260		<5	2.24	1660	<10	264	133	69	<20	<20	8	1.77

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T1 64257		1.95	1.02	0.05	0.74	43	13
T1 64259		2.01	1.03	0.05	0.83	42	11
T1 64261		2.16	0.97	0.04	0.86	41	11
T1 64262		1.21	0.95	0.04	0.38	36	40
T1 64263		0.40	2.85	0.03	0.14	95	144
R2 64075		1.39	4.39	0.09	1.50	143	8
R2 64076		2.03	2.93	0.08	2.44	335	8
R2 64077		0.51	1.27	0.09	0.60	68	4
R2 64078		0.15	0.60	0.06	0.43	19	5
R2 64079		1.81	2.23	0.10	2.38	88	8
R2 64080		1.75	0.57	0.15	2.13	52	8
R2 64081		0.47	0.14	0.08	0.87	14	4
R2 64082		0.35	0.18	0.05	0.54	19	3
R2 64083		2.46	0.75	0.16	2.52	67	8
R2 64084		0.03	0.02	0.01	0.03	2	<1
R2 64085		1.01	1.19	0.08	0.52	41	11
R2 64252		1.74	2.47	0.09	1.77	162	8
R2 64253		4.83	2.50	0.03	0.31	109	8
R2 64254		0.05	0.05	0.02	0.03	4	<1
R2 64255		2.50	1.86	0.48	2.87	150	6
R2 64256		0.39	0.59	0.02	0.65	36	5
R2 64264		1.82	0.92	0.17	0.94	48	7
R2 64265		0.02	0.02	0.01	0.03	2	<1
R2 64352		2.86	0.44	0.11	2.41	40	9
R2 64353		2.75	0.60	0.23	1.88	66	7
R2 64354		2.04	4.30	0.15	1.45	205	6
R2 64355		0.14	0.16	0.04	0.32	13	3
01 64258		1.52	1.55	0.04	0.65	58	12
01 64260		1.25	1.48	0.03	0.64	52	8

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HIGH GOLD STANDARD		1577	-	-	-	-	-	-	-	-	-	-
Number of Analyses		1	-	-	-	-	-	-	-	-	-	-
Mean Value		1577.0	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		1500	-	-	-	-	-	-	-	-	-	-
GEO TRACE STD 3 1989		-	0.6	269	39	252	4	72	10	<1.0	<5	37
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1
Mean Value		-	0.58	269.2	39.1	251.5	3.6	72.0	10.1	0.50	2.5	36.8
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	0.5	290	33	255	4	42	9	0.8	2	30
ANALYTICAL BLANK		<5	<0.2	<1	<2	<1	<1	<1	<1	<1.0	<5	<5
ANALYTICAL BLANK		<5	<0.2	<1	<2	<1	<1	<1	<1	<1.0	<5	<5
ANALYTICAL BLANK		<5	-	-	-	-	-	-	-	-	-	-
Number of Analyses		3	2	2	2	2	2	2	2	2	2	2
Mean Value		2.5	0.10	0.5	1.0	0.5	0.5	0.5	0.5	0.50	2.5	2.5
Standard Deviation		0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.00	0.00
Accepted Value		5	-	-	-	-	-	-	-	-	-	-
GEO TRACE STD-2 1989		-	4.9	792	225	488	499	516	39	1.7	<5	333
Number of Analyses		-	1	1	1	1	1	1	1	1	1	1
Mean Value		-	4.94	792.4	225.1	487.5	498.9	515.6	39.4	1.74	2.5	333.4
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	5.0	820	250	500	600	600	40	2.0	4	320

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HIGH GOLD STANDARD		-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-	-	-	-	-	-
Mean Value		-	-	-	-	-	-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-	-	-	-	-	-
GEO TRACE STD 3 1989		<5	2.52	534	<10	67	89	10	<20	<20	4	0.73
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		2.5	2.518	534.1	5.0	67.5	88.8	10.1	10.0	10.0	4.2	0.731
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		5	2.40	600	-	64	75	9	5	1	4	0.77
ANALYTICAL BLANK		<5	0.02	2	<10	<2	<1	<1	<20	<20	<1	<0.01
ANALYTICAL BLANK		<5	0.01	1	<10	<2	<1	<1	<20	<20	<1	<0.01
ANALYTICAL BLANK		-	-	-	-	-	-	-	-	-	-	-
Number of Analyses		2	2	2	2	2	2	2	2	2	2	2
Mean Value		2.5	0.014	1.4	5.0	1.0	0.5	0.5	10.0	10.0	0.5	0.005
Standard Deviation		0.00	0.0019	0.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
Accepted Value		-	-	-	-	-	-	-	-	-	-	-
GEO TRACE STD-2 1989		52	3.90	698	18	248	155	38	<20	<20	6	4.64
Number of Analyses		1	1	1	1	1	1	1	1	1	1	1
Mean Value		51.9	3.905	697.6	17.7	247.9	155.1	37.9	10.0	10.0	6.4	4.643
Standard Deviation		-	-	-	-	-	-	-	-	-	-	-
Accepted Value		50	5.00	850	-	220	167	34	16	8	6	5.10

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HIGH GOLD STANDARD		-	-	-	-	-	-
Number of Analyses		-	-	-	-	-	-
Mean Value		-	-	-	-	-	-
Standard Deviation		-	-	-	-	-	-
Accepted Value		-	-	-	-	-	-
GEO TRACE STD 3 1989		1.12	1.37	0.05	0.14	40	4
Number of Analyses		1	1	1	1	1	1
Mean Value		1.120	1.366	0.054	0.142	40.2	3.6
Standard Deviation		-	-	-	-	-	-
Accepted Value		1.34	1.66	0.04	0.14	39	4
ANALYTICAL BLANK		0.01	<0.01	0.01	<0.01	<1	<1
ANALYTICAL BLANK		0.01	<0.01	0.01	0.01	<1	<1
ANALYTICAL BLANK		-	-	-	-	-	-
Number of Analyses		2	2	2	2	2	2
Mean Value		0.013	0.005	0.011	0.008	0.5	0.5
Standard Deviation		0.0012	0.0000	0.0005	0.0043	0.00	0.00
Accepted Value		-	-	-	-	-	-
GEO TRACE STD-2 1989		3.81	3.28	0.30	0.19	81	5
Number of Analyses		1	1	1	1	1	1
Mean Value		3.807	3.281	0.296	0.188	81.2	5.2
Standard Deviation		-	-	-	-	-	-
Accepted Value		4.90	5.13	0.30	0.20	78	6

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L70+00E 42+25N		266	1.1	1120	37	151	17	26	17	<1.0	<5	51
Duplicate		262	1.3	1154	38	155	16	26	19	<1.0	<5	48
L80+87.5E 39+75N		<5	0.3	59	19	87	4	62	12	<1.0	<5	40
Duplicate			<0.2	59	14	89	3	62	12	<1.0	<5	23
L81+00E 39+62.5N		<5	0.2	30	24	72	6	98	10	<1.0	<5	52
Duplicate		<5										
L96+00E 43+00N B		<5	0.6	19	36	112	11	6	2	<1.0	<5	27
Duplicate			<0.2	18	32	118	9	5	2	<1.0	<5	15
64076		<5	<0.2	112	15	96	5	40	26	<1.0	<5	31
Duplicate		<5										
64085		14	0.7	310	95	306	23	36	18	<1.0	<5	26
Duplicate			<0.2	313	90	303	20	33	17	<1.0	<5	<5
64255		538	<0.2	14	22	138	3	141	17	<1.0	<5	41
Prep Duplicate		595	<0.2	15	21	143	3	145	17	<1.0	<5	45
Prep Duplicate		595	<0.2	15	21	143	3	145	17	<1.0	<5	45
Duplicate		638										

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L70+00E 42+25N		15	8.26	437	11	73	54	107	<20	<20	7	3.20
Duplicate		12	8.66	451	13	74	56	110	<20	<20	7	3.31
L80+87.5E 39+75N		13	4.56	421	16	253	124	108	<20	<20	21	3.25
Duplicate		6	4.53	420	12	248	123	105	<20	<20	21	3.22
L81+00E 39+62.5N		16	3.74	325	17	130	157	54	<20	<20	24	4.95
Duplicate												
L96+00E 43+00N B		7	6.43	1001	<10	29	51	23	<20	<20	46	3.04
Duplicate		<5	6.40	1084	<10	33	52	23	<20	<20	51	3.27
64076		13	5.46	1364	19	1237	89	282	<20	<20	7	3.03
Duplicate												
64085		7	3.29	621	<10	189	114	144	<20	<20	13	1.37
Duplicate		<5	3.18	642	<10	203	112	149	<20	<20	13	1.40
64255		17	4.35	753	21	914	252	156	<20	<20	4	5.96
Prep Duplicate		17	4.50	778	25	938	273	158	<20	<20	4	6.06
Prep Duplicate		17	4.50	778	25	938	273	158	<20	<20	4	6.06
Duplicate												

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Geochemical Lab Report

REPORT: V91-00770.0 (COMPLETE)

DATE PRINTED: 10-JUL-91
PROJECT: 8117

SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
L70+00E 42+25N		0.61	0.08	0.02	0.23	10	8
Duplicate		0.64	0.09	0.02	0.23	10	8
L80+87.5E 39+75N		1.49	0.11	0.03	0.49	13	19
Duplicate		1.48	0.11	0.03	0.49	13	19
L81+00E 39+62.5N		1.23	0.13	0.05	0.45	7	12
Duplicate							
L96+00E 43+00N B		0.06	0.06	0.08	0.11	2	20
Duplicate		0.06	0.06	0.08	0.12	2	22
64076		2.03	2.93	0.08	2.44	335	8
Duplicate							
64085		1.01	1.19	0.08	0.52	41	11
Duplicate		0.95	1.22	0.08	0.55	41	12
64255		2.50	1.86	0.48	2.87	150	6
Prep Duplicate		2.56	1.89	0.48	2.96	150	6
Prep Duplicate		2.56	1.89	0.48	2.96	150	6
Duplicate							

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DATE PRINTED: 17-JUL-91

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PROJECT: 8117 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R2 64082		0.030#
R2 64255		0.043#
R2 64265		0.037
R2 64354		0.137#

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DATE PRINTED: 12-AUG-91

REPORT: V91-00789.0 (COMPLETE)

PROJECT: 8117

SAMPLE NUMBER	ELEMENT UNITS	Al2O3 PCT	CaO PCT	Fe2O3 PCT	K2O PCT	LOI PCT	MgO PCT	MnO PCT	Na2O PCT	P2O5 PCT	SiO2 PCT	TiO2 PCT
R2 64086WR		17.80	8.03	8.95	3.32	0.87	3.78	0.17	3.24	0.27	52.00	0.90
D2 64070WR		15.70	2.30	7.10	5.01	1.54	3.24	0.14	4.21	0.22	59.70	0.61
D2 64071WR		15.50	0.90	9.90	4.74	6.61	2.21	0.02	0.43	0.21	58.60	0.63
D2 64072WR		15.50	7.60	8.89	3.62	3.35	5.38	0.35	3.43	0.26	50.50	0.97
D2 64073WR		17.50	6.87	5.13	2.53	2.38	2.77	0.65	4.38	0.19	56.70	0.60
D2 64074WR		12.50	12.00	7.15	2.20	3.89	9.10	0.24	2.71	0.31	49.50	0.55

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PROJECT: 8117

SAMPLE NUMBER	ELEMENT UNITS	Total PCT	BaO PCT	Cr2O3 PCT	S Tot PCT
R2 64086WR		99.33	0.097	0.01	0.02
D2 64070WR		99.77	0.164	0.02	1.45
D2 64071WR		99.75	0.088	0.01	7.62
D2 64072WR		99.85	0.063	0.04	0.54
D2 64073WR		99.70	0.174	0.02	0.95
D2 64074WR		>100.15	0.074	0.04	0.07

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REPORT: V91-00789.0 (COMPLETE)

PROJECT: 8117

SAMPLE NUMBER	ELEMENT UNITS	Al2O3 PCT	CaO PCT	Fe2O3 PCT	K2O PCT	LOI PCT	MgO PCT	MnO PCT	Na2O PCT	P2O5 PCT	SiO2 PCT	TiO2 PCT
64071WR Duplicate		15.50	0.90	9.90	4.74	6.61	2.21	0.02	0.43	0.21	58.60	0.63
64074WR Duplicate		12.50	12.00	7.15	2.20	3.89	9.10	0.24	2.71	0.31	49.50	0.55

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REPORT: V91-00789.0 (COMPLETE)

PROJECT: 8117

SAMPLE NUMBER	ELEMENT UNITS	Total PCT	BaO PCT	Cr2O3 PCT	S Tot PCT
64071WR		99.75	0.088	0.01	7.62
Duplicate					7.69
64074WR		>100.15	0.074	0.04	0.07
Duplicate					0.07

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Geochemical Lab Report

REPORT: V91-00764.0 (COMPLETE)

DATE PRINTED: 10-JUL-91

PROJECT: 8117

SAMPLE NUMBER	ELEMENT UNITS	Mg PCT	Ca PCT	Na PCT	K PCT	Sr PPM	Y PPM
L68+00E 46+50N		0.18	0.03	0.04	0.06	4	17
Duplicate		0.18	0.03	0.04	0.06	4	16
L70+00E 47+25N		2.27	0.52	0.02	1.39	20	5
Duplicate		2.30	0.54	0.02	1.41	21	6
L71+00E 48+00N		1.18	0.16	0.03	0.47	10	7
Duplicate							
L72+00E 47+00N		1.44	0.48	0.04	0.61	32	5
Duplicate		1.50	0.49	0.04	0.61	32	6
64067		1.42	1.13	0.08	1.81	71	8
Duplicate							
64237		1.63	0.77	0.06	1.02	48	12
Duplicate		1.61	0.75	0.06	1.01	48	12
64345		0.64	0.83	0.08	0.98	46	5
Duplicate							
64350		0.08	0.95	0.04	0.41	82	9
Prep Duplicate		0.08	0.93	0.04	0.42	80	8
Duplicate		0.08	0.98	0.04	0.43	83	9

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

DATE PRINTED: 15-JUL-91

REPORT: V91-00764.6 (COMPLETE)

PROJECT: 8117 PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au OPT
R2 64346		0.024#

<u>APPENDIX B</u>

GEOPHYSICAL REPORT

GEOPHYSICAL REPORT
ISKUT JOINT VENTURE
LIARD MINING DIVISION
MAP SHEET 104 B 10

PAUL W. JONES
Prospector
November 1991

SUMMARY

The geophysical assessment of the Gregor area on the Iskut Joint Venture Property, performed in June of 1991, showed that the Triassic volcanic hosted sulphides are discontinuous and disseminated to podiform. The HLEM survey detected a conductor that coincides with previous drill indicated mineralization. There were no continuous line conductors to indicate strike potential. The VLF survey did not detect the mineralized horizon but had a multi-line response that traced the volcanic\sediment contact south and below the Gregor stratigraphy. A previous magnetic survey, when correctly plotted to reflect actual position, shows a magnetic high corresponding to the outcropping of the mineralized tuff horizon. The geophysics outlined the known mineralization and did not indicate any subsurface extent to the zone.

INTRODUCTION

The Iskut Joint Venture Property was worked by a Corona exploration crew during June of 1991. Part of the property assessment included testing the Gregor Showing area with geophysical surveys to determine whether the sulphide horizon, discovered in earlier drilling could be detected and traced along strike. The drilled showings were initially established principally by soil geochemistry and geological mapping. After reviewing past geological, drilling, geochemical and geophysical data it was determined that the volcanic sulphide horizon had a NE\SW strike. All former grids were orientated in a north\south direction and to optimize the geophysical detection ability four grid lines were run at 155'azmuith. The work program was conducted from June 23rd-27th. The 12 mandays of work was performed by 4 people and included, grid installation (6 mandays), and the running of three geophysical surveys (6 mandays).

The three surveys included two electromagnetic and one magnetic survey. The electromagnetic surveys were a Horizontal Loop Electromagnetic (HLEM) Slingram Max-Min and a Very Low Frequency (VLF) survey. The magnetic survey data was lost during the dumping procedure, but a closely spaced magnetic survey had been completed over the Gregor area by S.J.V. Consultants for Delaware Resources in September 1988 and it covered a majority of the 1991 survey area.

The surveys were run on a 4 line reconnaissance grid. These lines were spaced 100 m apart with 25 m survey stations. The grid was centred on drill hole I90-10 with grid coordinates, Line 10+00 E, Station 10+00 N. The 4 lines were 9+00 E through 12+00 E, and extended from 8+50 N to 12+50 N. Extreme topography required that the grid be tight chained and slope corrected.

SURVEYS

The EM surveys produced 5 anomalies, of which one was a HLEM Maxmin response. The later occurred on line 10+00 E at 10+50 N and correlates with the drill detected sulphide stratigraphy. The remaining anomalies were VLF conductors and are located in 2 areas. The first zone includes 3 VLF anomalies which occur continuously from line 9 E through to 11 E, at 9+12.5 N, 9+25 N and 9+45 N respectively . This conductor axis parallels an interpreted volcanic\sediment contact. The final VLF conductor is situated at station 11+25 N on line 10+00 E, and as yet is unexplained.

The instrument used for the HLEM survey was an Apex Parametrics Ltd Maxmin II, 2 man portable horizontal loop system. The system is comprised of a transmitter(Tx) and receiver(Rx) connected by a reference cable. The instrument collects the vertical, in-phase and quadrature phase components of anomalous fields from electrically conductive zones. Interpretation of results is dependent on the Tx/Rx separation and frequency employed. Using various coil separations allows an interpretation of the depth and dip of the conductor, where optimal detection is 1/2 the coil separation. Knowing the approximate position of the mineralized horizon deemed the multi separation unnecessary. The effect of using various frequencies enables a measurement of the quality, ie conductivity of the anomaly and allows for the penetration through geologic noise when verifying anomalies. The HLEM Maxmin survey was run with a 100 m spacing and used three frequencies, 444 Hz, 1777 Hz and 3555 Hz.

The mineralized tuff layer was detected by drilling in 5 holes in the Gregor area.
The best mineralized intersect was in drill hole I90-10 at 20 metres depth. This intersect was 1 m of massive pyrrhotite/pyrite (ratio 4:1). The estimate of the conductivity of this mineralization is 4200 mhos.
The next best intersect was in drill hole I90-13 at 25 m depth. This included a narrow 5 cm, section of 35 % pyrrhotite/pyrite (ratio 8:1). The conductivity of this zone is estimated at 1750 mhos.
The other drill intersects are in:

I90-12 at 17 m depth, 1 m of 10 % pyrrhotite/pyrite (ratio 2:1) conductivity estimate 400 mhos,

I90-11 at 53 m depth, 1/2 m of 10 % pyrrhotite/pyrite (ratio 3:1) conductivity estimate 400 mhos,

I90-14 at 15 m depth, 1/2 m of 20 % pyrrhotite/pyrite (ratio 2:1) conductivity estimate 733 mhos.

The horizontal volcanic horizon that hosts the mineralization is cut off to the south due to topography. The horizon is open geologically along the south-west\north-east strike direction and to the north-west. These are possible geologic exploration target areas. The Maxmin survey was set-up with a 100 m coil separation to detect conductors to a depth of 50 m. The reconnaissance grid was set up to explore the strike and geologic extent. The single response of the Maxmin survey in conjunction with the drill data implies that the mineralized horizon lacks continuity, is discontinuous and is disseminated to podiform. The horizon may continue along strike to the south-west as indicated by a weak, non-anomalous partial Maxmin response on line 9+00 E at 9+75 N. Topography in the south-west direction cuts off the stratigraphy.

The other EM survey incorporated a VLF method. The instrument used was a Geonics EM-16 VLF receiver. This receiver detects the primary (vertical) field component emitted from a designated source station. Conductors emanate their own electro-magnetic field which deflect the primary source field. The portable receiver detects the deviation of the primary field from the vertical which is measured as the dip-angle and indicates the presence of conductive bodies. The VLF method requires the use of a transmitting station along the direction of the strike of the conductor. Surface features, such as, conductive overburden and ground-water concentrations enhance the response of the high frequency source to conductors. This is an inherent weakness and can create false anomalies.

The VLF survey used Cutler, Maine, NAA 17.8 kHz, as a source. This station was chosen for its best fit for the determined east-north-east strike direction. The EM response detected by the VLF survey correlated with the volcanic/sedimentary contact south of the Gregor showing. The survey did not detect the mineralized horizon. A single station conductor on line 10+00 E at 11+25 N may be a structural feature that was detected in drill hole I90-11.

The detailed magnetic survey completed in 1988 is plotted as an orthogonal grid. This grid was resurveyed in 1990 and the extrapolated positions of the survey stations when re-plotted show a correlation between a continuous magnetic high and the outcropping of the mineralized tuff horizon. The presence of the feldspar porphyry stock to the south east also corresponds to a magnetic high.

CONCLUSIONS

The mineralization in the Gregor area was detected with the use of geophysical methods. These surveys confirm the disseminated to podiform and discontinuous nature of the volcanic hosted sulphides. No on strike or down dip conductors were found that would necessitate further exploration. No further geophysical work is recommended in the immediate Gregor showing area.

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GREGOR GRID ISKUTJV EM–MAXMIN DATA, JUNE 1991

LINE POSITION NORTH	VERTICAL DISTANCE z	HORIZONTAL DISTANCE x	CORRECTION FACTOR	MEASURED IN–PHASE 444 Hz	CORRECTED IN–PHASE 444 Hz	QUADRATURE 444 Hz	MEASURED IN–PHASE 1777 Hz	CORRECTED IN–PHASE 1777 Hz	QUADRATURE 1777 Hz	MEASURED IN–PHASE 3555 Hz	CORRECTED IN–PHASE 3555 Hz	QUADRATURE 3555 Hz
LINE 9+00 E												
9+00 N	52	112.7	75.240	–57	18.240	–7	–56	19.240	–9	–61	14.240	–12
9+25 N	42	108.5	61.327	–68	(6.673)	–5	–69	(7.673)	–4	–68	(6.673)	–2.5
9+50 N	25	103.1	30.199	–54	(23.801)	–5	–51	(20.801)	–3.5	–50	(19.801)	–2
9+75 N	13	100.8	9.424	–49	(39.576)	–3	–46	(36.576)	–3.5	–44	(34.576)	–3
10+00 N	1	100	0.045	–36	(35.955)	–1.5	–29	(28.955)	1	–24	(23.955)	2
10+25 N	6	100.2	2.190	–23	(20.810)	–4.5	–22	(19.810)	–4	–21	(18.810)	–3
10+50 N	4	100.1	1.013	–33	(31.987)	–4	–31	(29.987)	–1.5	–30	(28.987)	1
10+75 N	5	100.1	1.413	–25	(23.587)	–4	–23	(21.587)	0	–21	(19.587)	3
11+00 N	10	100.5	5.785	–24	(18.215)	–4	–23	(17.215)	1	–21	(15.215)	5.5
11+25 N	10	100.5	5.785	–33	(27.215)	–4	–33	(27.215)	0	–32	(26.215)	4
11+50 N	4	100.1	1.013	–29	(27.987)	–4	–30	(28.987)	–1	–29	(27.987)	3
11+75 N	9	100.4	4.704	–27	(22.296)	–4	–27	(22.296)	–0.5	–25	(20.296)	4
12+00 N	8	100.3	3.695	–34	(30.305)	–4	–34	(30.305)	–1.5	–34	(30.305)	2

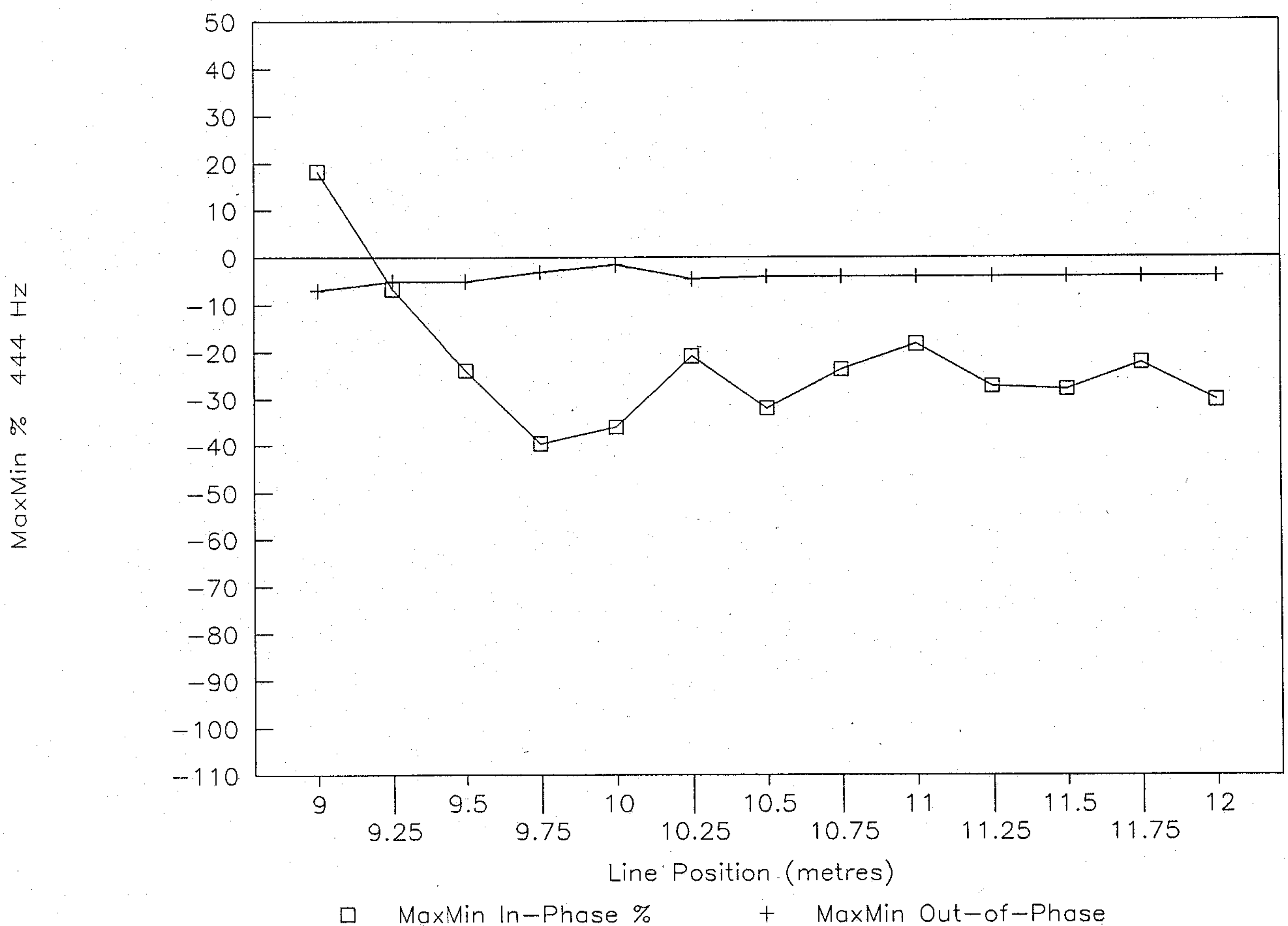
LINE POSITION N	VERTICAL DISTANCE z	HORIZONTAL DISTANCE x	CORRECTION FACTOR	MEASURED IN–PHASE 444 Hz	CORRECTED IN–PHASE 444 Hz	QUADRATURE 444 Hz	MEASURED IN–PHASE 1777 Hz	CORRECTED IN–PHASE 1777 Hz	QUADRATURE 1777 Hz	MEASURED IN–PHASE 3555 Hz	CORRECTED IN–PHASE 3555 Hz	QUADRATURE 3555 Hz
LINE 10+00 E												
9+00 N	18	101.6	17.280	–55	(37.720)	–3.5	–53	(35.720)	0	–51	(33.720)	4
9+25 N	50	111.8	72.783	–78	(5.217)	–7	–82	(9.217)	–8	–87	(14.217)	–8
9+50 N	39	107.3	56.325	–82	(25.675)	–15	–85	(28.675)	–10	–95	(38.675)	–11
9+75 N	37	106.6	52.848	–62	(9.152)	–7.5	–64	(11.152)	–14	–73	(20.152)	–20
10+00 N	36	106.3	51.096	–56	(4.904)	–4	–53	(1.904)	–11	–58	(6.904)	–19
10+25 N	12	100.7	8.148	–41	(32.852)	–11	–51	(42.852)	–25	–67	(58.852)	–24
10+50 N	7	100.2	2.759	–62	(59.241)	–24	–74	(71.241)	–12	off scale	n/r	–7
10+75 N	13	100.8	9.424	–39	(29.576)	–6	–37	(27.576)	0	–34	(24.576)	4
11+00 N	17	101.4	15.538	–36	(20.462)	–3	–34	(18.462)	1.5	–32	(16.462)	6
11+25 N	2	100	0.180	–36	(35.820)	–6	–34	(33.820)	–1	–32	(31.820)	3
11+50 N	8	100.3	3.695	–31	(27.305)	–5	–29	(25.305)	–2	–28	(24.305)	1
11+75 N	1	100	0.045	–36	(35.955)	–4	–36	(35.955)	–2	–31	(30.955)	1
12+00 N	2	100	0.180	–43	(42.820)	–5	–43	(42.820)	–3	–44	(43.820)	–1.5

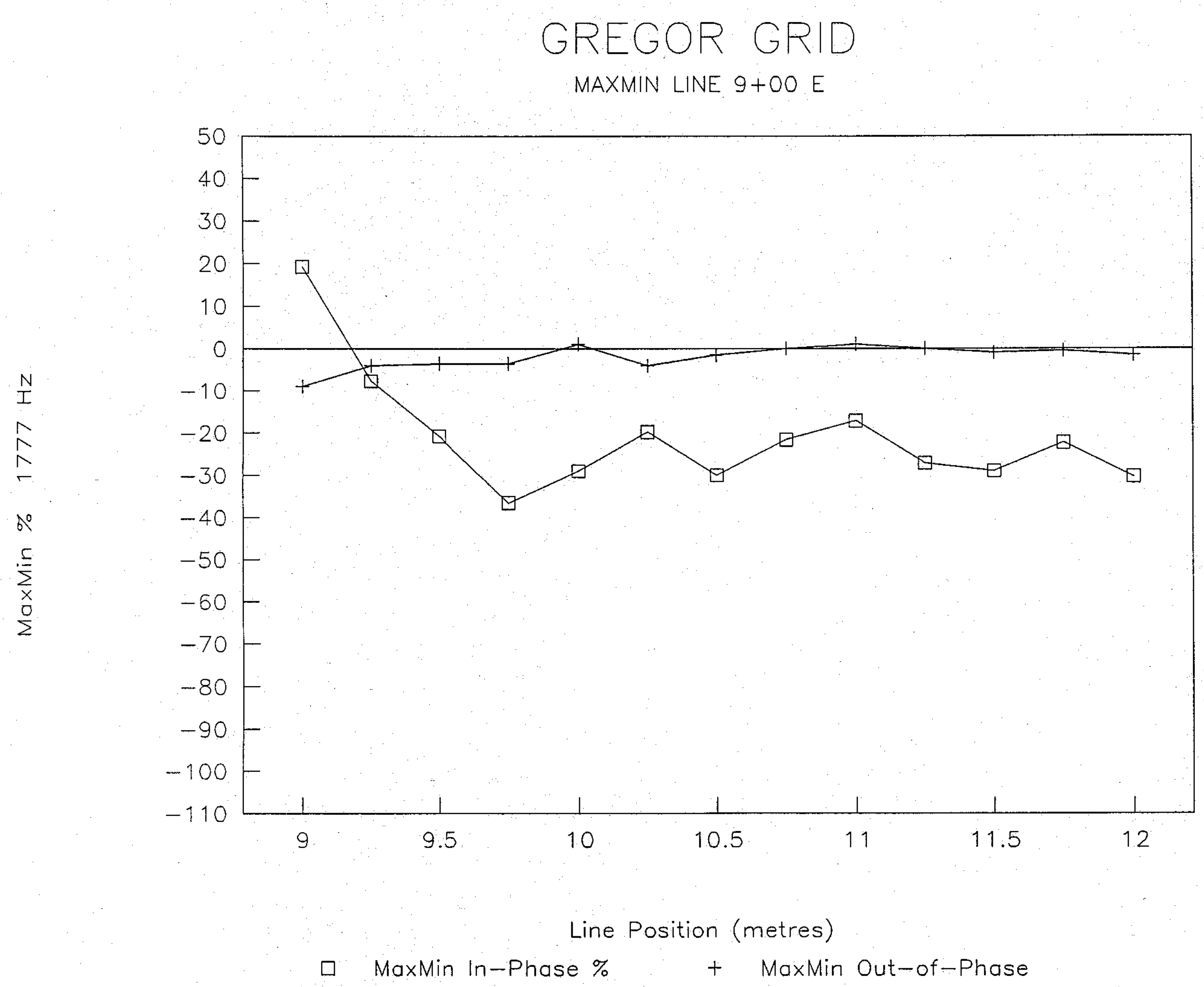
LINE POSITION N	VERTICAL DISTANCE z	HORIZONTAL DISTANCE x	CORRECTION FACTOR	MEASURED IN–PHASE 444 Hz	CORRECTED IN–PHASE 444 Hz	QUADRATURE 444 Hz	MEASURED IN–PHASE 1777 Hz	CORRECTED IN–PHASE 1777 Hz	QUADRATURE 1777 Hz	MEASURED IN–PHASE 3555 Hz	CORRECTED IN–PHASE 3555 Hz	QUADRATURE 3555 Hz
LINE 11+00 E												
9+00 N	10	100.5	5.785	–49	(43.215)	–4.5	–48	(42.215)	–2	–47	(41.215)	0.5
9+25 N	39	107.3	56.325	–64	(7.675)	–4	–63	(6.675)	–1	–63	(6.675)	3
9+50 N	49	111.4	71.502	–71	0.502	–3	–69	2.502	2	–71	0.502	8
9+75 N	34	105.6	47.397	–48	(0.603)	–4	–40	7.397	0	–39	8.397	4
10+00 N	18	101.6	17.280	–25	(7.720)	–6	–22	(4.720)	–2	–21	(3.720)	2.5
10+25 N	6	100.2	2.190	–15	(12.810)	–2	–12	(9.810)	1.5	–8	(5.810)	6
10+50 N	6	100.2	2.190	–7	(4.810)	–4	–4	(1.810)	2	1	3.190	6
10+75 N	7	100.2	2.759	–15	(12.241)	–5	–14	(11.241)	–2	–12	(9.241)	0.5
11+00 N	7	100.2	2.759	–19	(16.241)	–5	–18.5	(15.741)	–2.5	–17	(14.241)	–0.5
11+25 N	5	100.1	1.413	–24	(22.587)	–5	–22	(20.587)	–2	–20	(18.587)	0.5
11+50 N	5	100.1	1.413	–25	(23.587)	–4	–23	(21.587)	–3.5	–21	(19.587)	–0.5
11+75 N	12	100.7	8.148	–29	(20.852)	–5	–29	(20.852)	–3.5	–26	(17.852)	–0.25
12+00 N	19	101.8	19.050	–32	(12.950)	–5	–32	(12.950)	–3.5	–32	(12.950)	–0.5

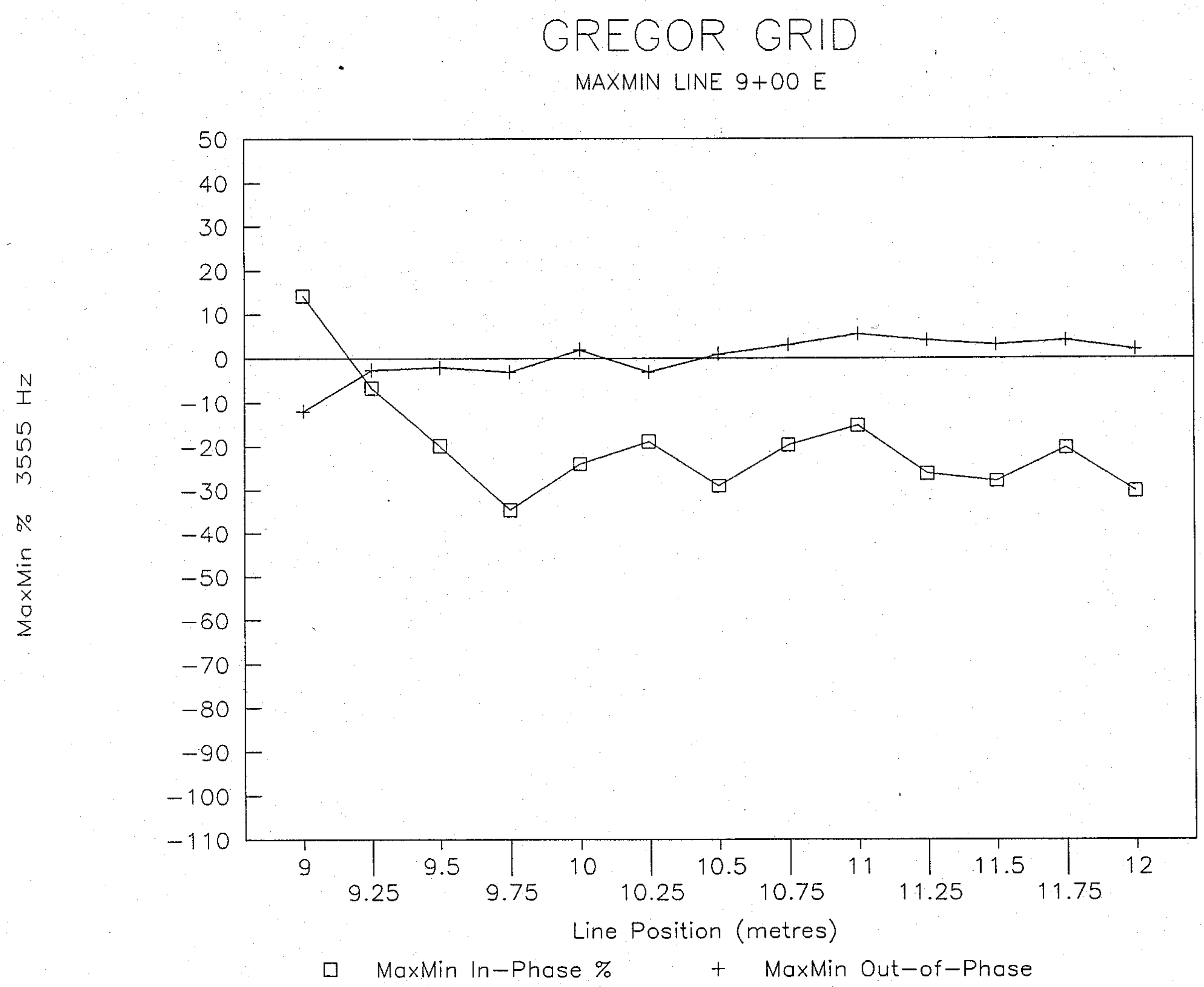
LINE POSITION N	VERTICAL DISTANCE z	HORIZONTAL DISTANCE x	CORRECTION FACTOR	MEASURED IN–PHASE 444 Hz	CORRECTED IN–PHASE 444 Hz	QUADRATURE 444 Hz	MEASURED IN–PHASE 1777 Hz	CORRECTED IN–PHASE 1777 Hz	QUADRATURE 1777 Hz	MEASURED IN–PHASE 3555 Hz	CORRECTED IN–PHASE 3555 Hz	QUADRATURE 3555 Hz
LINE 12+00 E												
9+00 N	47	110.5	68.789	–27	41.789	–5	–74	(5.211)	–3.5	–76	(7.211)	–1.5
9+25 N	55	114.1	78.626	–31	47.626	–4.5	–76	2.626	–2.5	–76	2.626	0.5
9+50 N	29	104.1	37.878	–38	(0.122)	–5	–74	(36.122)	–4	–74	(36.122)	–2
9+75 N	23	102.6	26.325	–29	(2.675)	–5	–39	(12.675)	–2.5	–39	(12.675)	–0.5
10+00 N	13	100.8	9.424	–24	(14.576)	–4.5	–38	(28.576)	–3	–37	(27.576)	–2
10+25 N	15	101.1	12.390	–36	(23.610)	–6	–44	(31.610)	–4	–45	(32.610)	–3
10+50 N	18	101.6	17.280	–36	(18.720)	–5	–34	(16.720)	–3	–34	(16.720)	–1.5
10+75 N	2	100	0.180	–46	(45.820)	–5	–36	(35.820)	–3.5	–33	(32.820)	–3
11+00 N	2	100	0.180	–39	(38.820)	–5	–21	(20.820)	–3	–20	(19.820)	–1
11+25 N	12	100.7	8.148	–41	(32.852)	–5	–29	(20.852)	–3	–28	(19.852)	–1
11+50 N	19	101.8	19.050	–76	(56.950)	–5	–31	(11.950)	–2	–36	(16.950)	–0.5
11+75 N	3	100	0.404	–77	(76.596)	–4	–31	(30.596)	–1.5	–29	(28.596)	1
12+00 N	3	100	0.404	–75	(74.596)	–4	–26	(25.596)	–1	–25	(24.596)	2

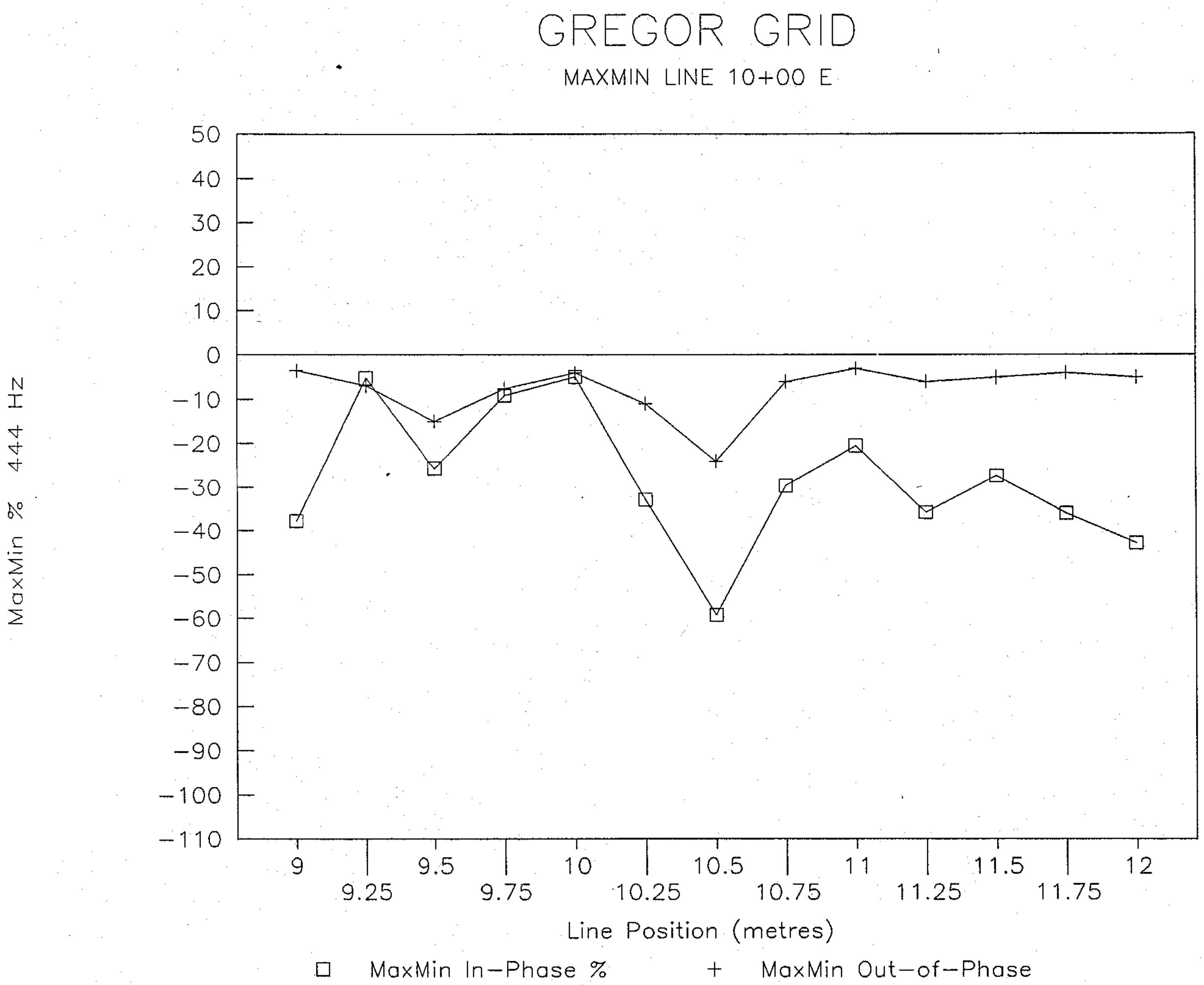
GREGOR GRID

MAXMIN LINE 9+00 E

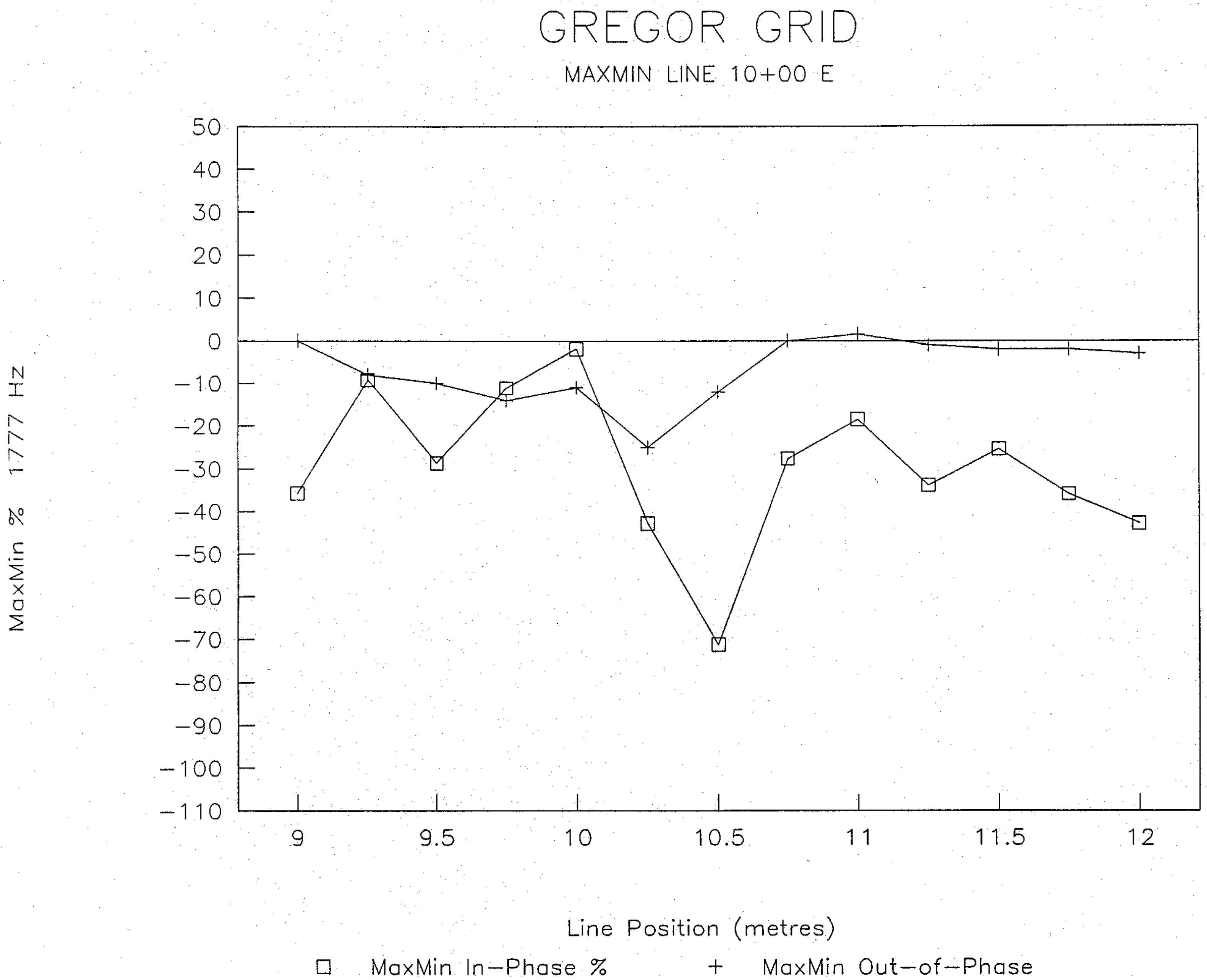



GREGOR GRID
MAXMIN LINE 9+00 E
MaxMin % 1777 Hz
50
40
30
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
−100
−110
9
9.5
10
10.5
11
11.5
12
Line Position (metres)
MaxMin In−Phase %
MaxMin Out−of−Phase


GREGOR GRID
MAXMIN LINE 9+00 E
50
40
30
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
−100
−110
MaxMin % 3555 Hz
9
9.25
9.5
9.75
10
10.25
10.5
10.75
11
11.25
11.5
11.75
12
Line Position (metres)
MaxMin In−Phase %
MaxMin Out−of−Phase

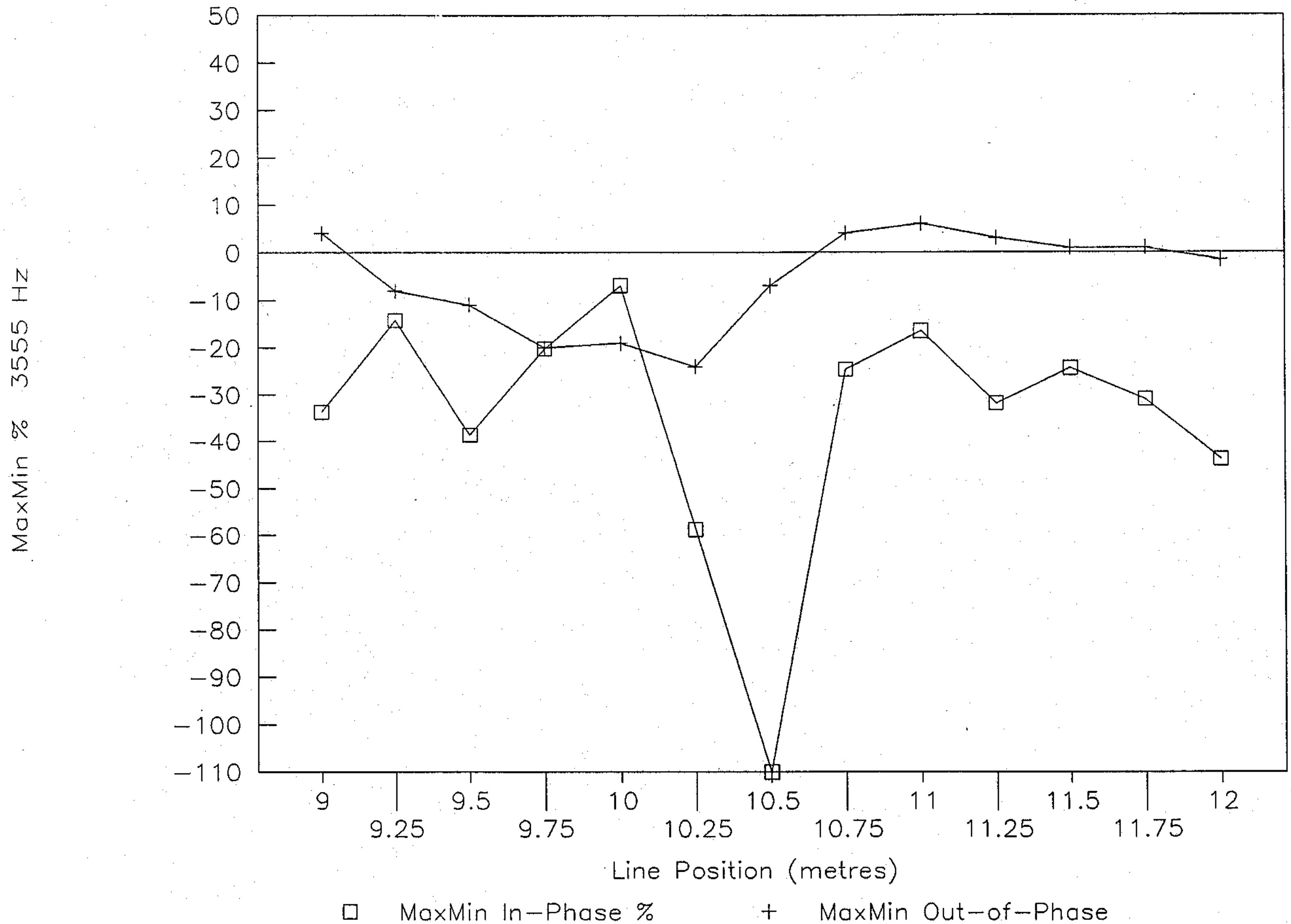


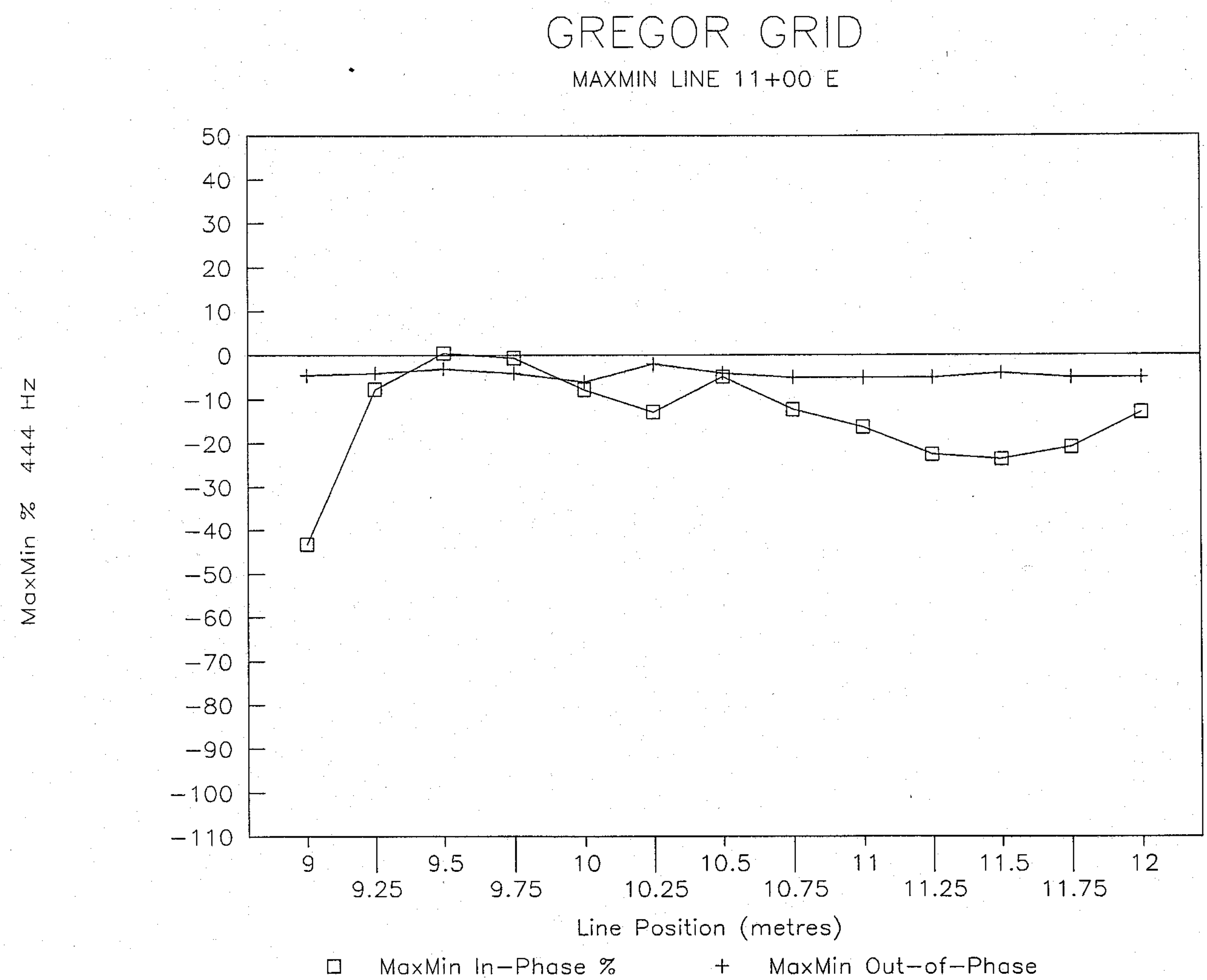
GREGOR GRID
MAXMIN LINE 10+00 E
50
40
30
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
−100
−110
MaxMin % 444 Hz
9
9.25
9.5
9.75
10
10.25
10.5
10.75
11
11.25
11.5
11.75
12
Line Position (metres)
MaxMin In−Phase %
MaxMin Out−of−Phase


GREGOR GRID
MAXMIN LINE 10+00 E
50
40
30
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
−100
−110
MaxMin % 1777 Hz
9
9.5
10
10.5
11
11.5
12
Line Position (metres)
□ MaxMin In−Phase %
+ MaxMin Out−of−Phase

GREGOR GRID

MAXMIN LINE 10+00 E

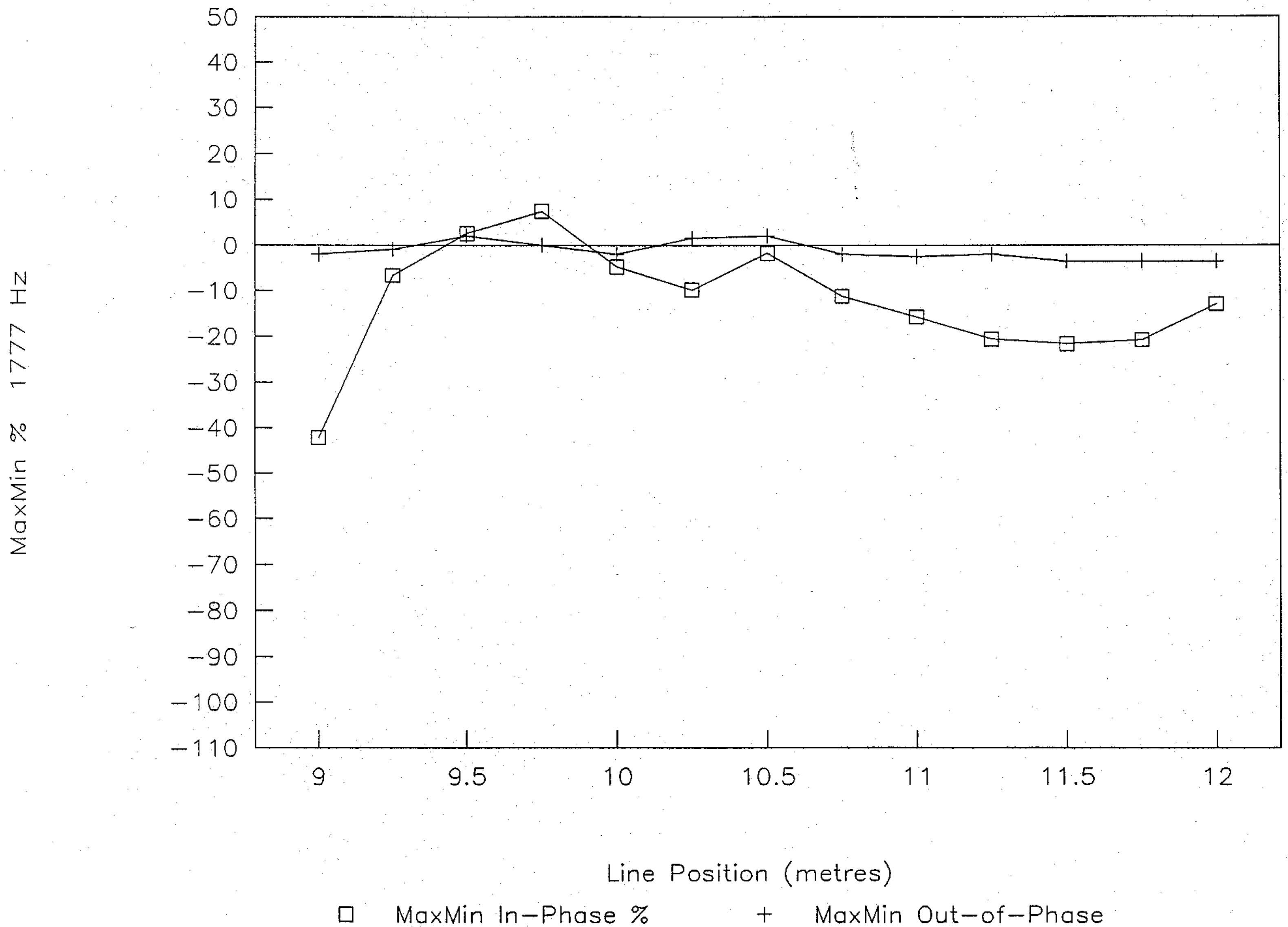




GREGOR GRID
MAXMIN LINE 11+00 E
50
40
30
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
−100
−110
MaxMin % 444 Hz
9
9.25
9.5
9.75
10
10.25
10.5
10.75
11
11.25
11.5
11.75
12
Line Position (metres)
MaxMin In−Phase %
MaxMin Out−of−Phase

GREGOR GRID

MAXMIN LINE 11+00 E



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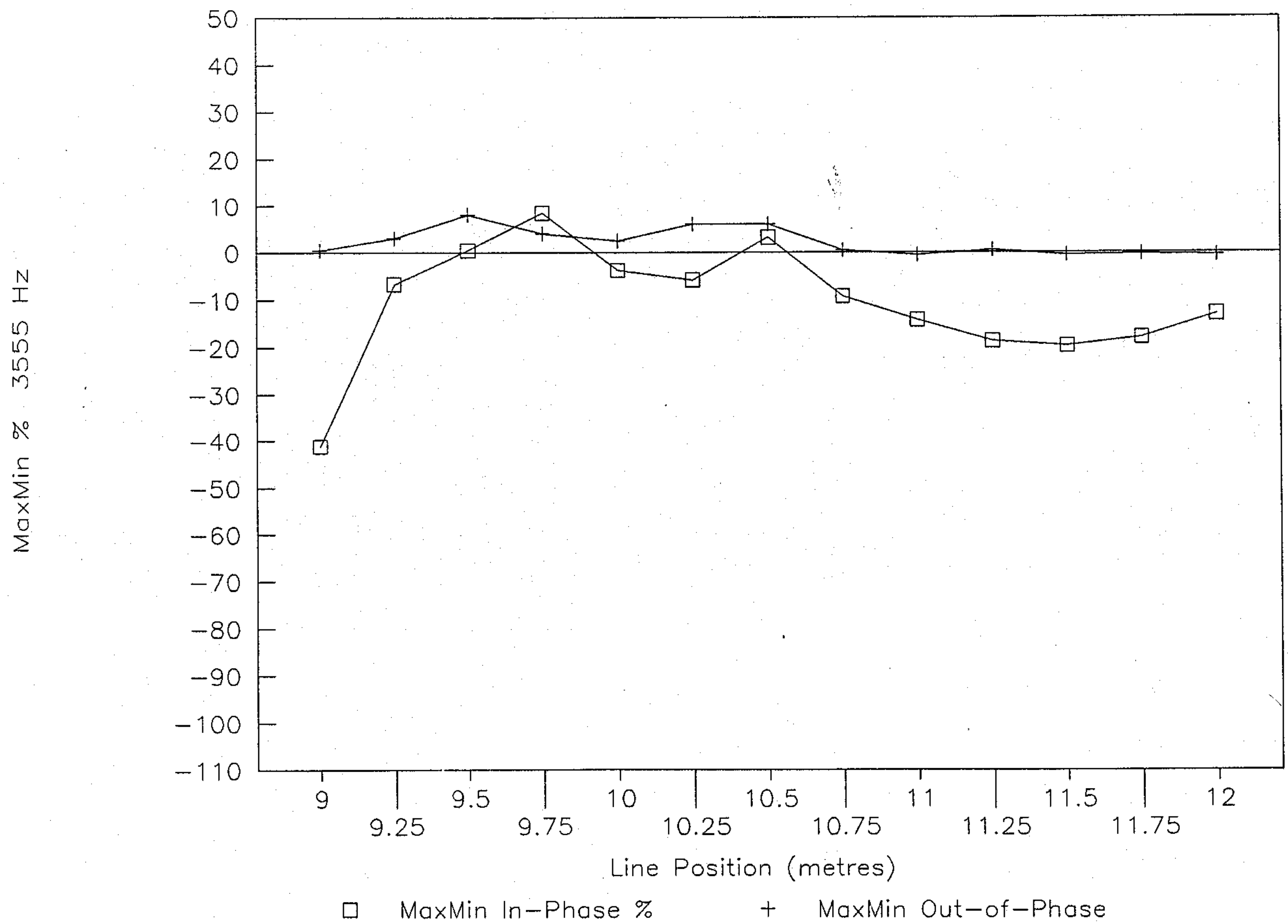
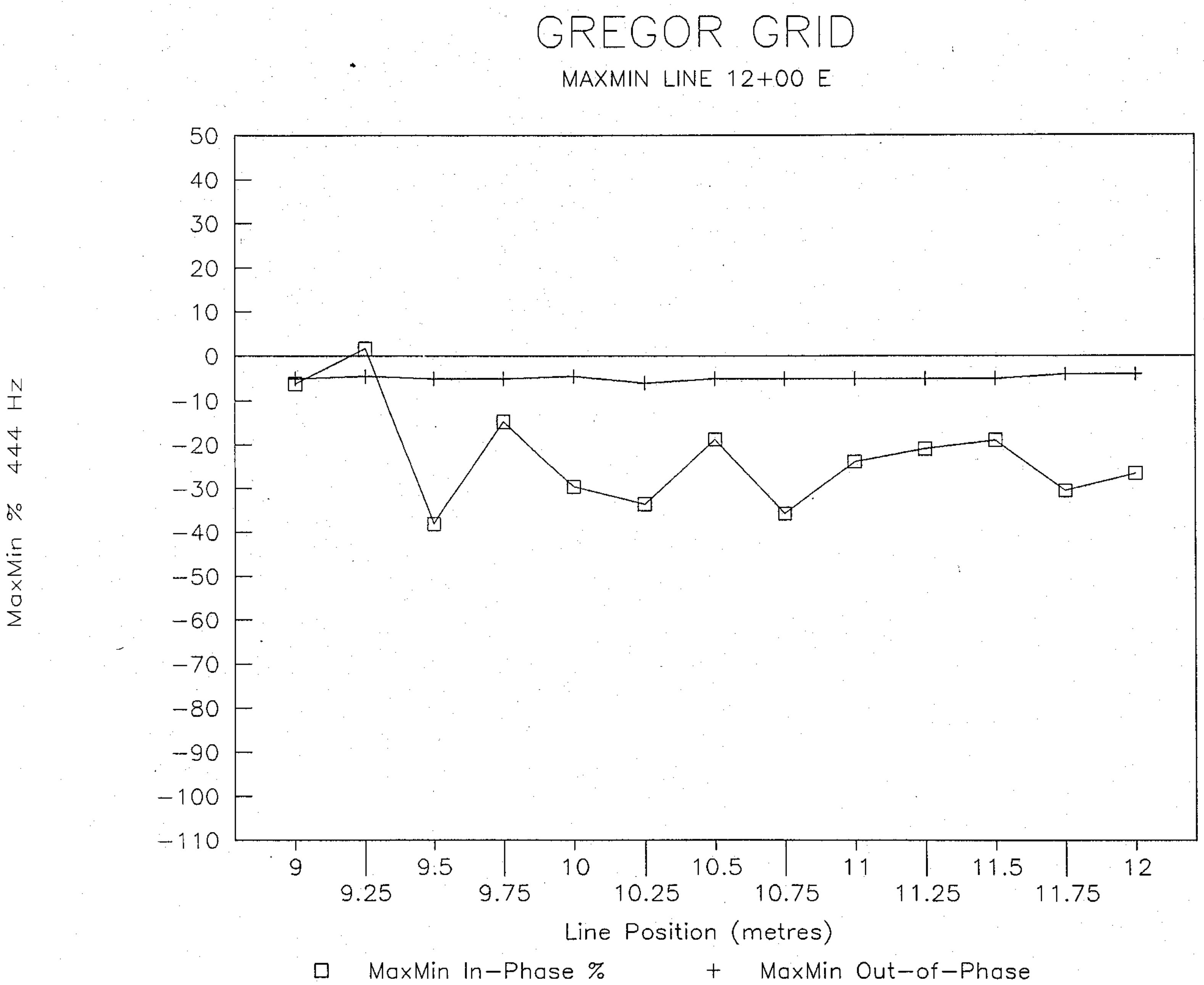
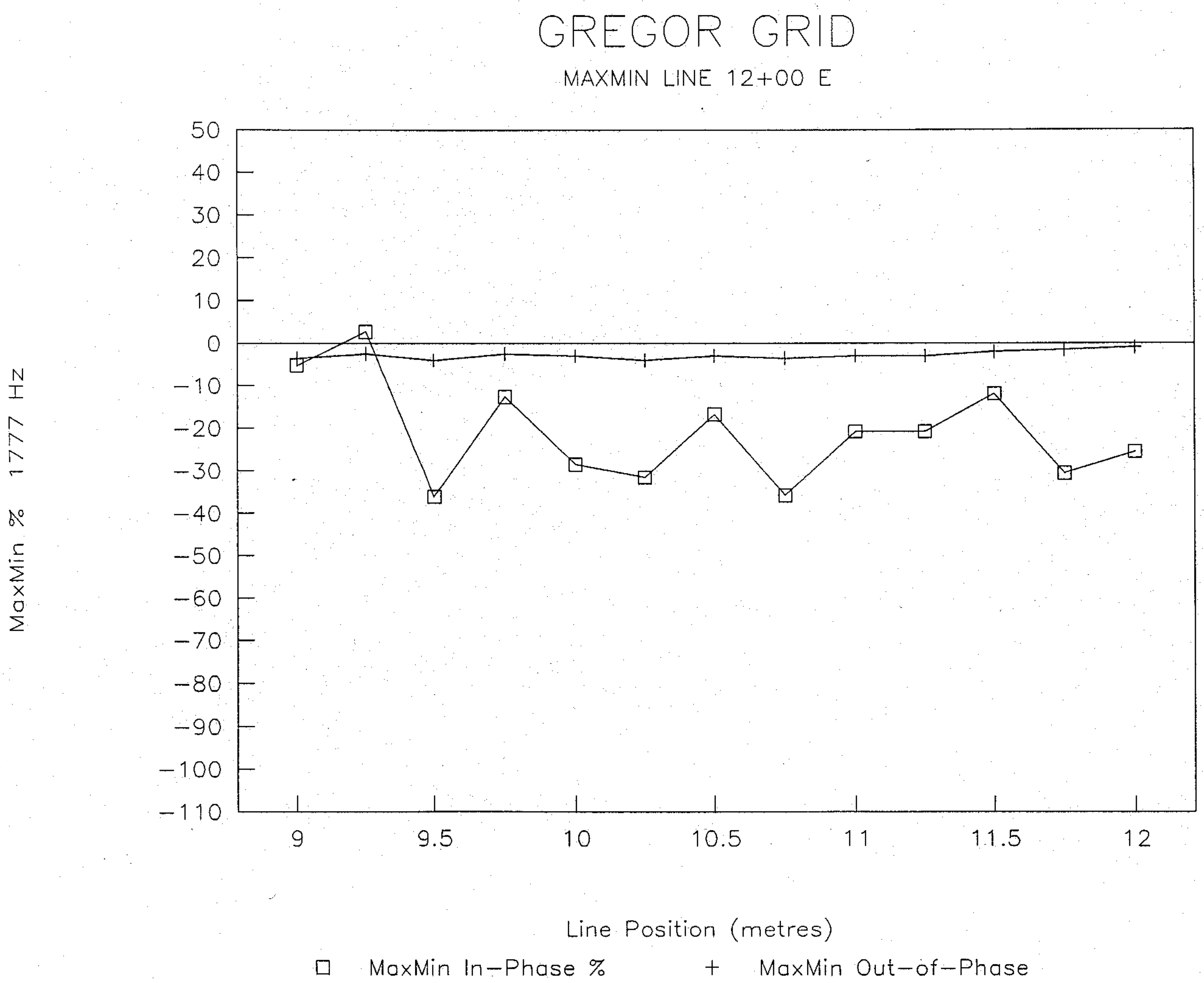
MAXMIN LINE 11+00 E



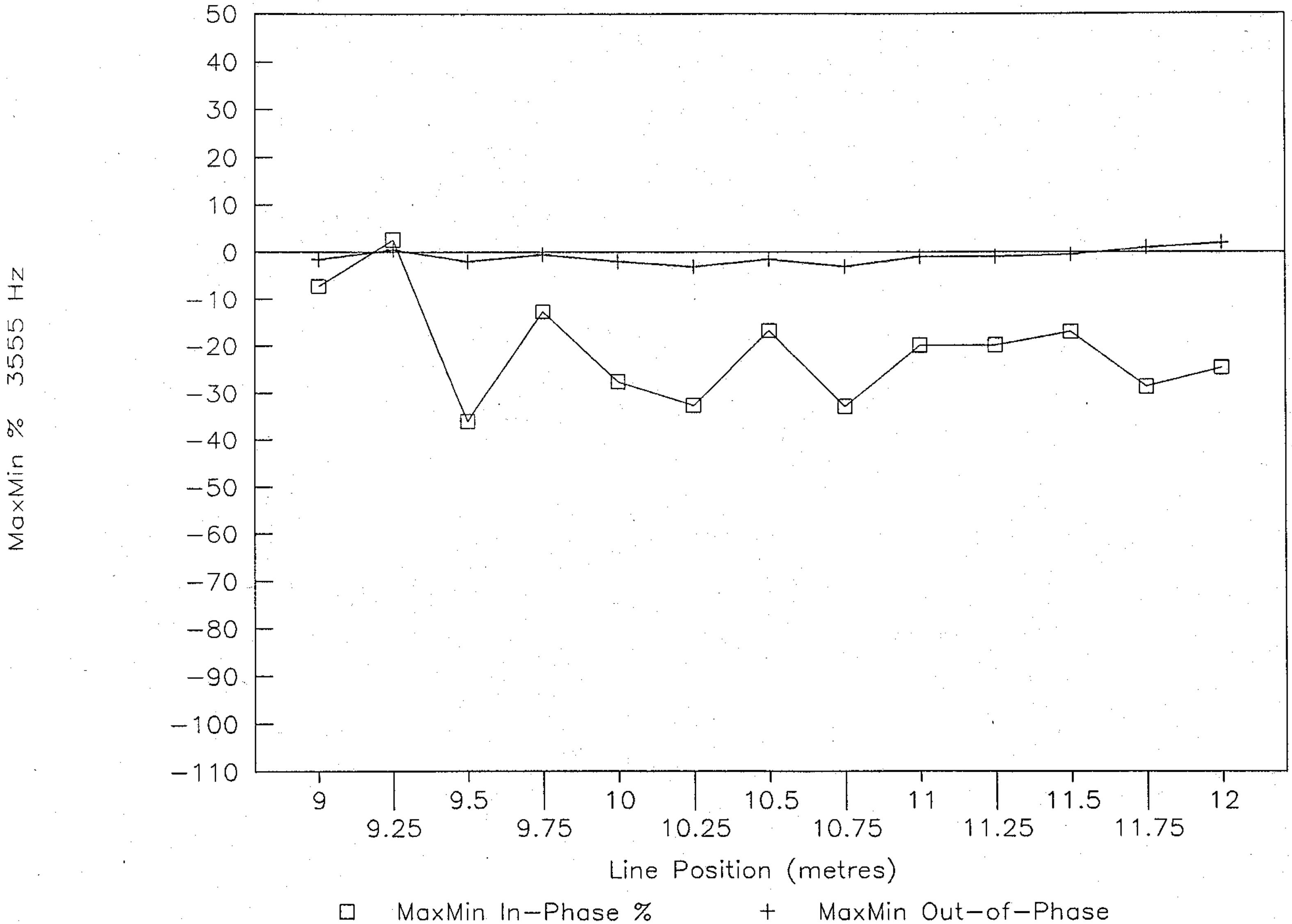


GREGOR GRID
MAXMIN LINE 12+00 E
50
40
30
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
−100
−110
MaxMin % 444 Hz
9
9.25
9.5
9.75
10
10.25
10.5
10.75
11
11.25
11.5
11.75
12
Line Position (metres)
MaxMin In−Phase %
MaxMin Out−of−Phase


GREGOR GRID
MAXMIN LINE 12+00 E
MaxMin % 1777 Hz
50
40
30
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
−100
−110
9
9.5
10
10.5
11
11.5
12
Line Position (metres)
MaxMin In−Phase %
MaxMin Out−of−Phase

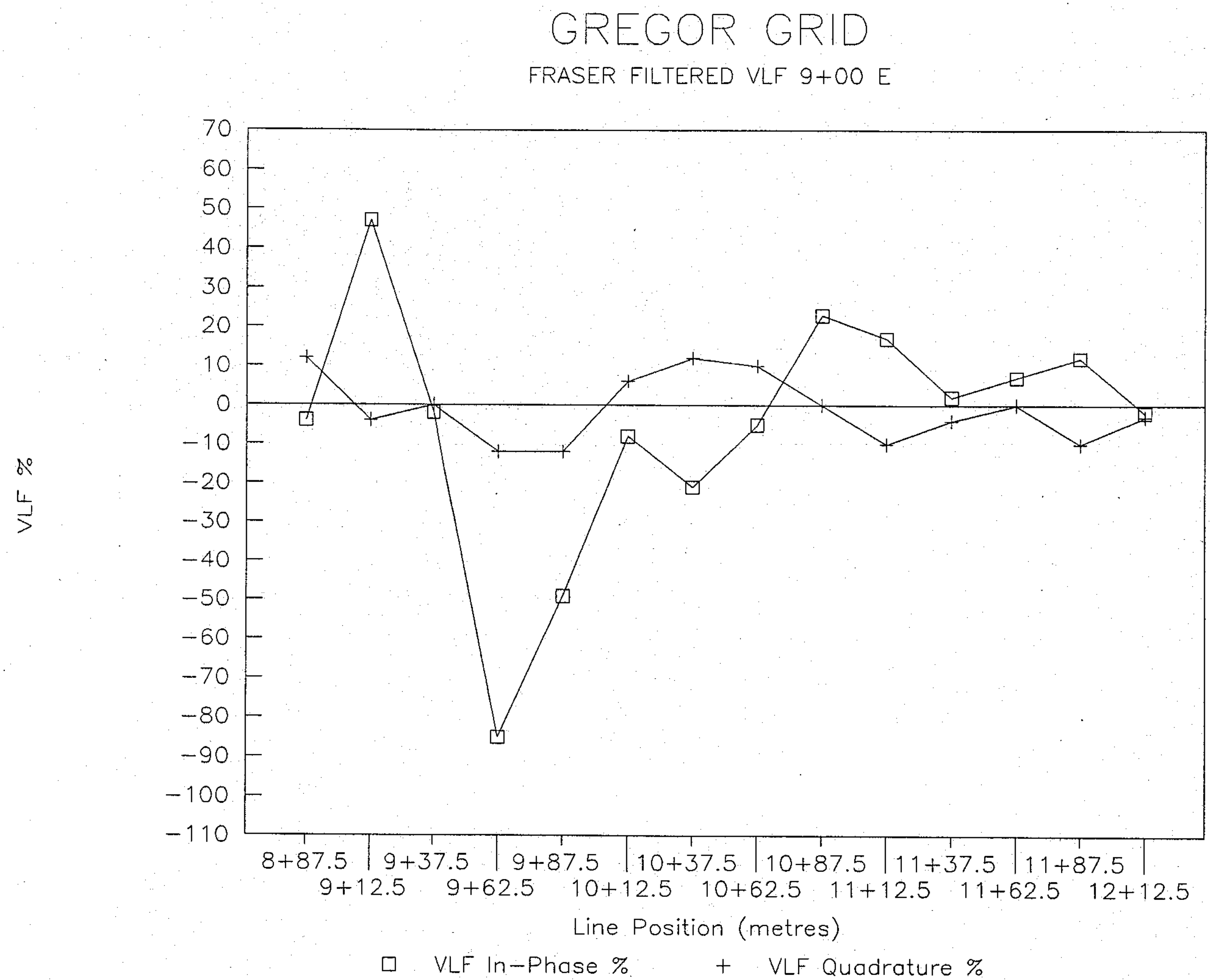
GREGOR GRID

MAXMIN LINE 12+00 E



GREGOR GRID ISKUTJV EM–VLF DATA, JUNE 1991

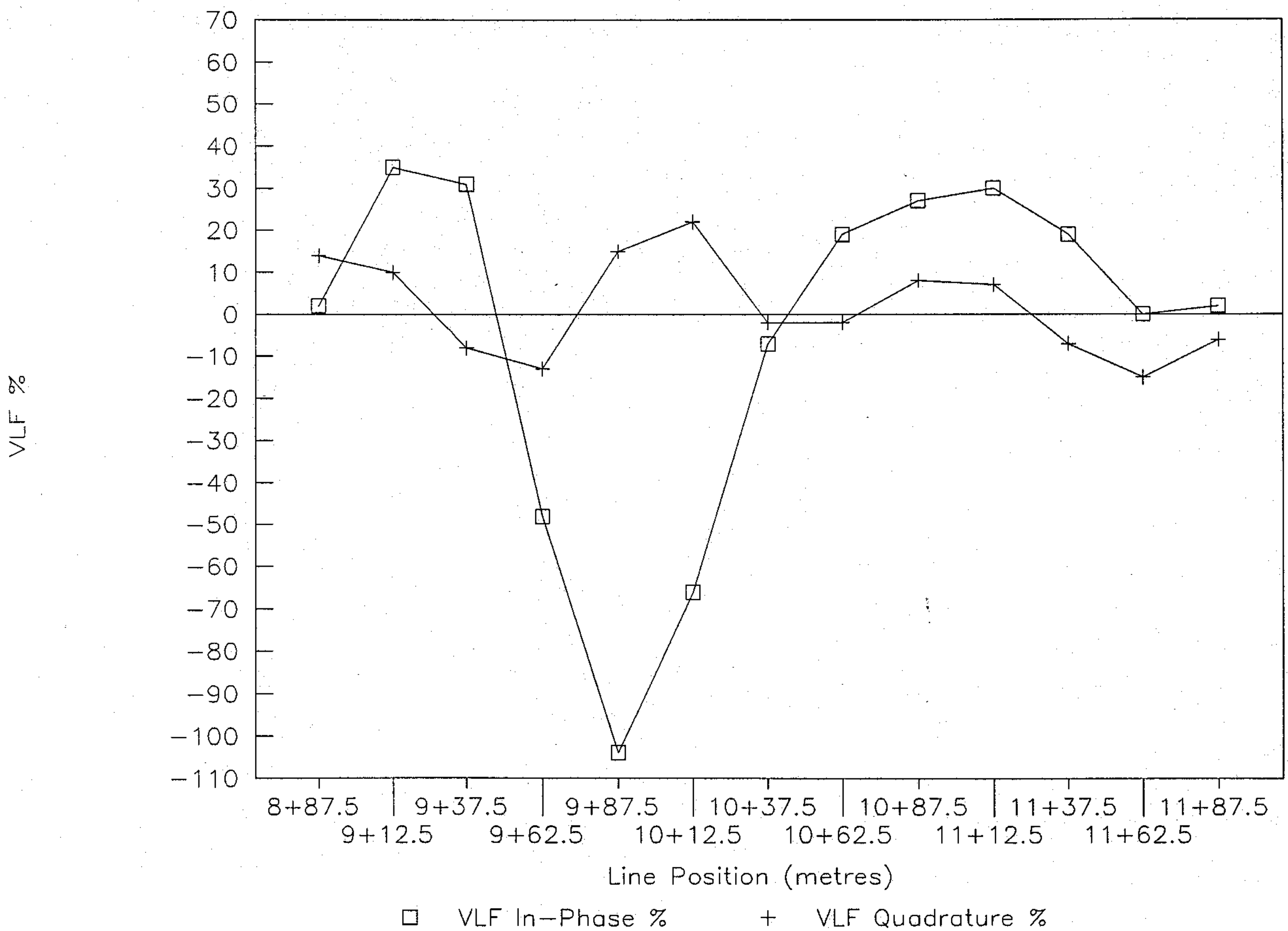
	LINE POSITION VLF DATA	VLF MEASURED	VLF FRASER FILTERED		LINE POSITION VLF FRASER FILTERED DATA	VLF FRASER FILTERED ANOMALLY DATA	VLF QUADRATURE	QUADRATURE FRASER FILTERED	
L 9+00 E	8+50 N	53	−4		8+87.5 N		−4	12	*
	8+75 N	33	47	**	9+12.5 N		10	−4	
	9+00 N	35	−2		9+37.5 N		12	0	
	9+25 N	47	−85		9+62.5 N	n=55	6	−12	
	9+50 N	68	−49		9+87.5 N	avg=9.4	12	−12	
	9+75 N	12	−8		10+12.5 N	sd=13.7	6	6	
	10+00 N	18	−21		10+37.5 N	sd*1=23.1 *	0	12	*
	10+25 N	13	−5		10+62.5 N	sd*2=36.8 **	6	10	
	10+50 N	9	23		10+87.5 N	sd*3=50.5 ***	6	0	
	10+75 N	1	17		11+12.5 N		12	−10	
	11+00 N	16	2		11+37.5 N		10	−4	
	11+25 N	17	7		11+62.5 N		8	0	
	11+50 N	17	12		11+87.5 N		4	−10	
	11+75 N	18	−2		12+12.5 N		10	−3	
	12+00 N	23					2		
	12+25 N	24					2		
	12+50 N	15					7		
L 10+00 E	8+50 N	35	2		8+87.5 N		0	14	*
	8+75 N	30	35	*	9+12.5 N		−4	10	
	9+00 N	29	31	*	9+37.5 N		5	−8	
	9+25 N	38	−48		9+62.5 N		5	−13	
	9+50 N	56	−104		9+87.5 N		6	15	*
	9+75 N	42	−66		10+12.5 N		−4	22	**
	10+00 N	4	−7		10+37.5 N		2	−2	
	10+25 N	−10	19		10+62.5 N		15	−2	
	10+50 N	−10	27	*	10+87.5 N		5	8	
	10+75 N	−3	30	*	11+12.5 N		10	7	
	11+00 N	2	19		11+37.5 N		8	−7	
	11+25 N	12	0		11+62.5 N		15	−15	
	11+50 N	17	2		11+87.5 N		10	−6	
	11+75 N	16			12+12.5 N		6		
	12+00 N	13					4		
	12+25 N	22					6		
	12+50 N	n/r							
L 11+00 E	8+50 N	30	−10		8+87.5 N		0	4	
	8+75 N	−6	46	**	9+12.5 N		4	16	*
	9+00 N	0	46	**	9+37.5 N		−7	15	*
	9+25 N	14	34	*	9+62.5 N		7	−7	
	9+50 N	26	2		9+87.5 N		6	−18	
	9+75 N	34	4		10+12.5 N		9	−8	
	10+00 N	40	11		10+37.5 N		−3	−5	
	10+25 N	22	−49		10+62.5 N		0	−4	
	10+50 N	56	−49		10+87.5 N		−2	8	
	10+75 N	17	−13		11+12.5 N		−6	6	
	11+00 N	12	−14		11+37.5 N		0	−3	
	11+25 N	12	−10		11+62.5 N		0	−3	
	11+50 N	4	−5		11+87.5 N		0	3	
	11+75 N	6	6		12+12.5 N		−3	3	
	12+00 N	0					0		
	12+25 N	5					0		
	12+50 N	7					0		
L 12+00 E	8+50 N	−2	24	*	8+87.5 N		10	1	
	8+75 N	2	23		9+12.5 N		4	17	**
	9+00 N	7	8		9+37.5 N		6	22	**
	9+25 N	17	3		9+62.5 N		9	−7	
	9+50 N	15	7		9+87.5 N		18	−31	
	9+75 N	17	8		10+12.5 N		19	−11	
	10+00 N	18	−11		10+37.5 N		1	0	
	10+25 N	21	−32		10+62.5 N		5	−7	
	10+50 N	22	−22		10+87.5 N		4	−8	
	10+75 N	6	−7		11+12.5 N		2	−6	
	11+00 N	5	−3		11+37.5 N		0	9	
	11+25 N	1	−4		11+62.5 N		−2	13	*
	11+50 N	3	3		11+87.5 N		−2	−4	
	11+75 N	0	18		12+12.5 N		9	−3	
	12+00 N	0					0		
	12+25 N	6					3		
	12+50 N	12					3		



GREGOR GRID
FRASER FILTERED VLF 9+00 E
70
60
50
40
30
20
10
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
−100
−110
VLF %
8+87.5
9+12.5
9+37.5
9+62.5
9+87.5
10+12.5
10+37.5
10+62.5
10+87.5
11+12.5
11+37.5
11+62.5
11+87.5
12+12.5
Line Position (metres)
VLF In−Phase %
VLF Quadrature %

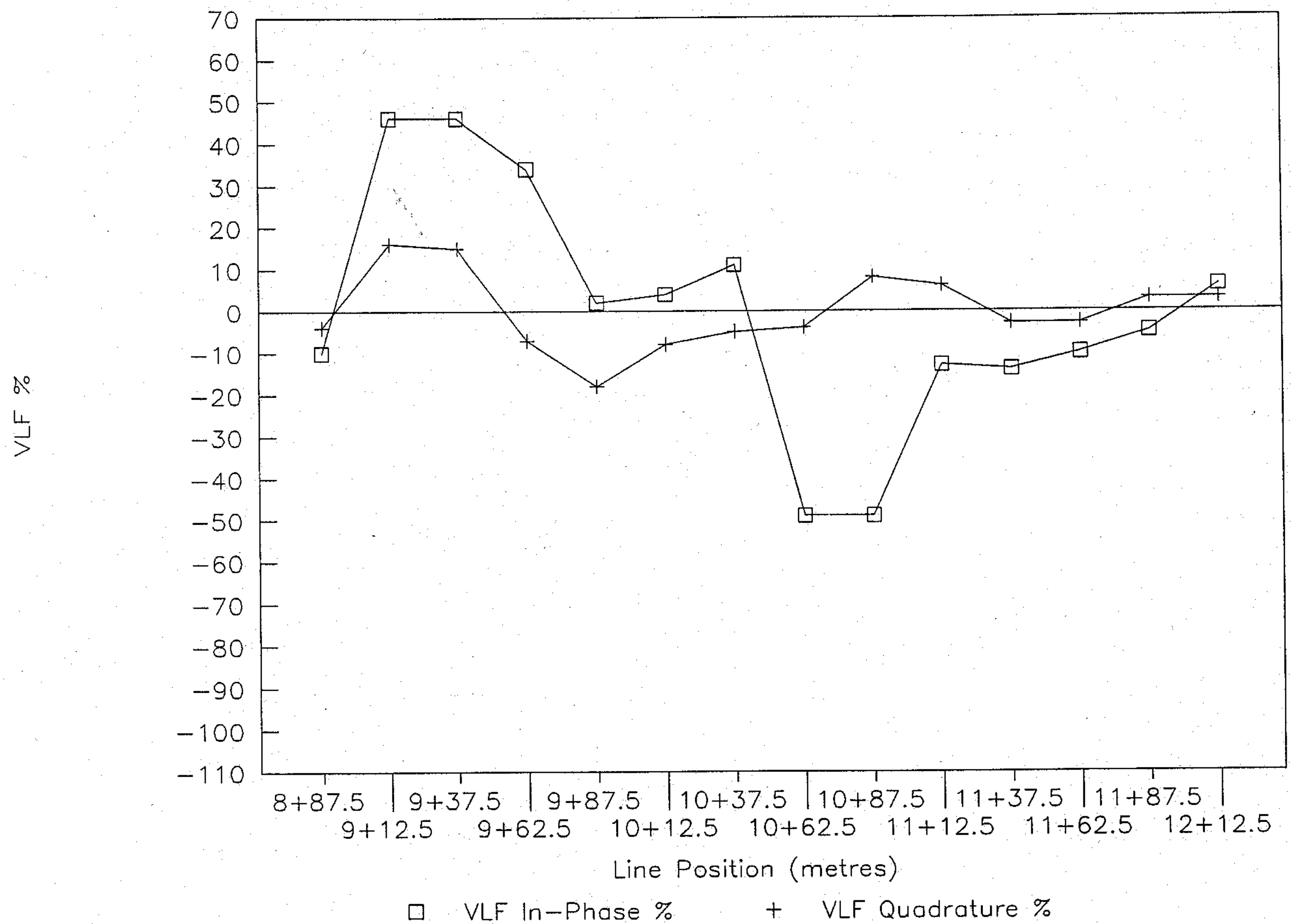
GREGOR GRID

FRASER FILTERED VLF 10+00 E



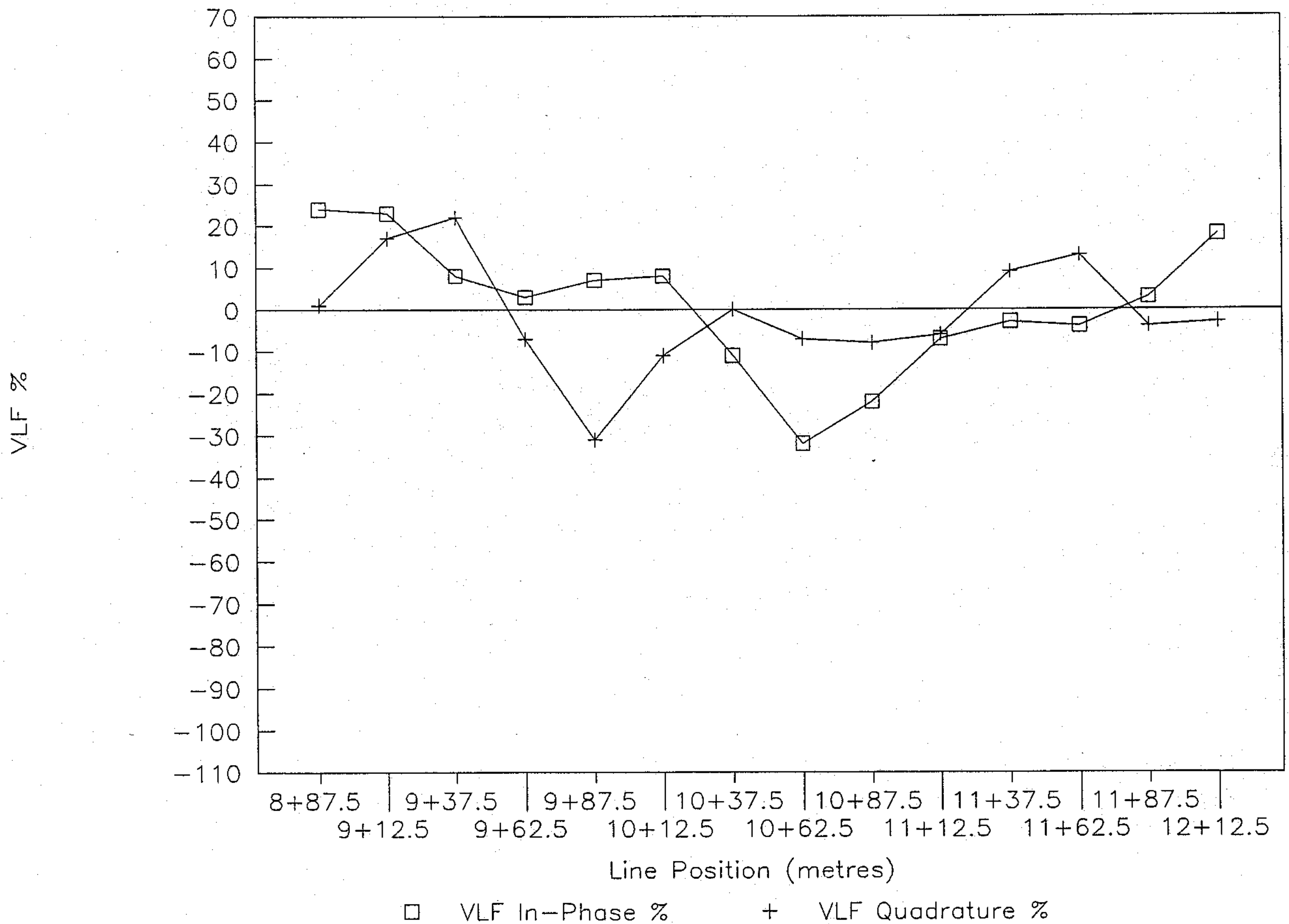
GREGOR GRID

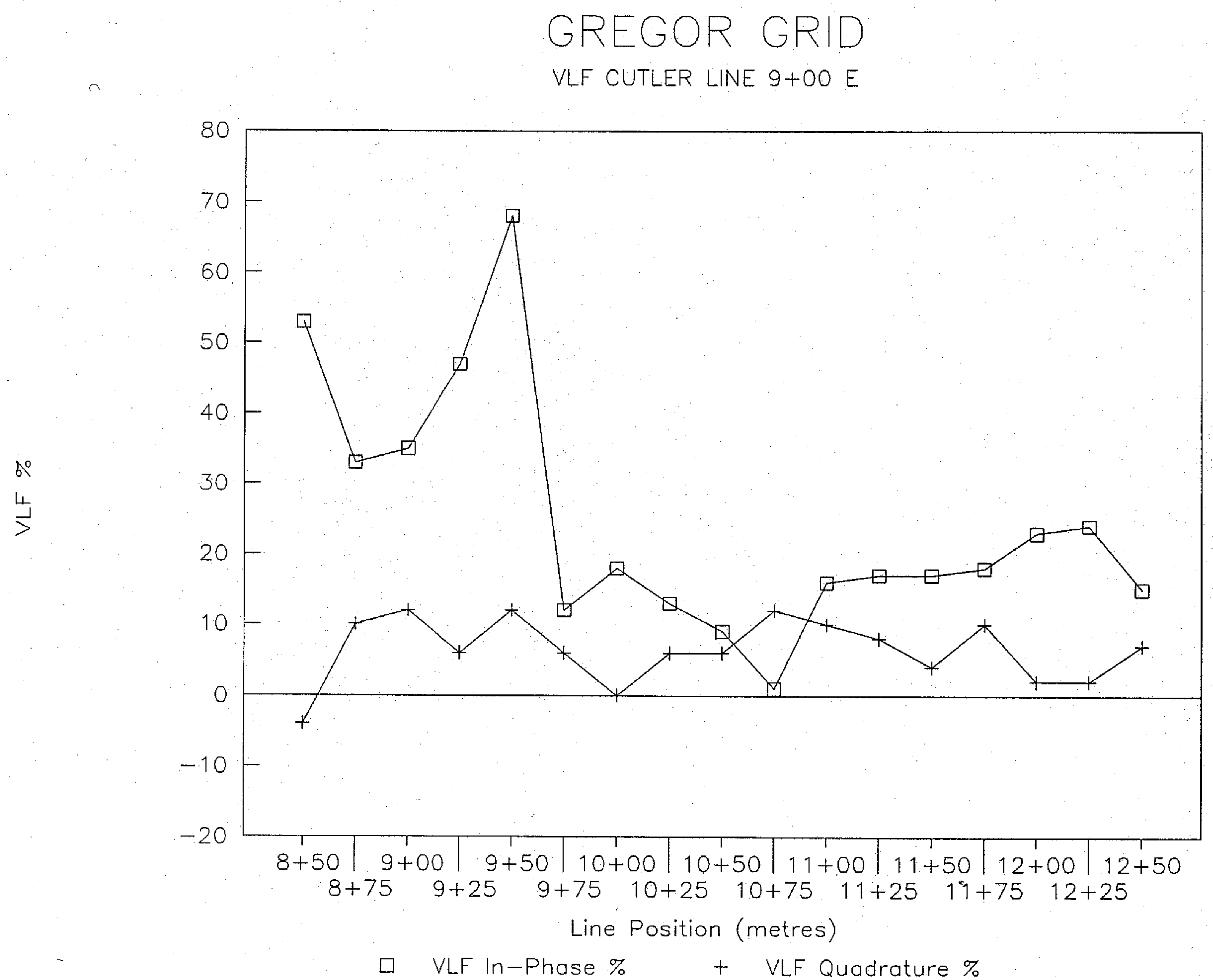
FRASER FILTERED VLF 11+00 E



GREGOR GRID

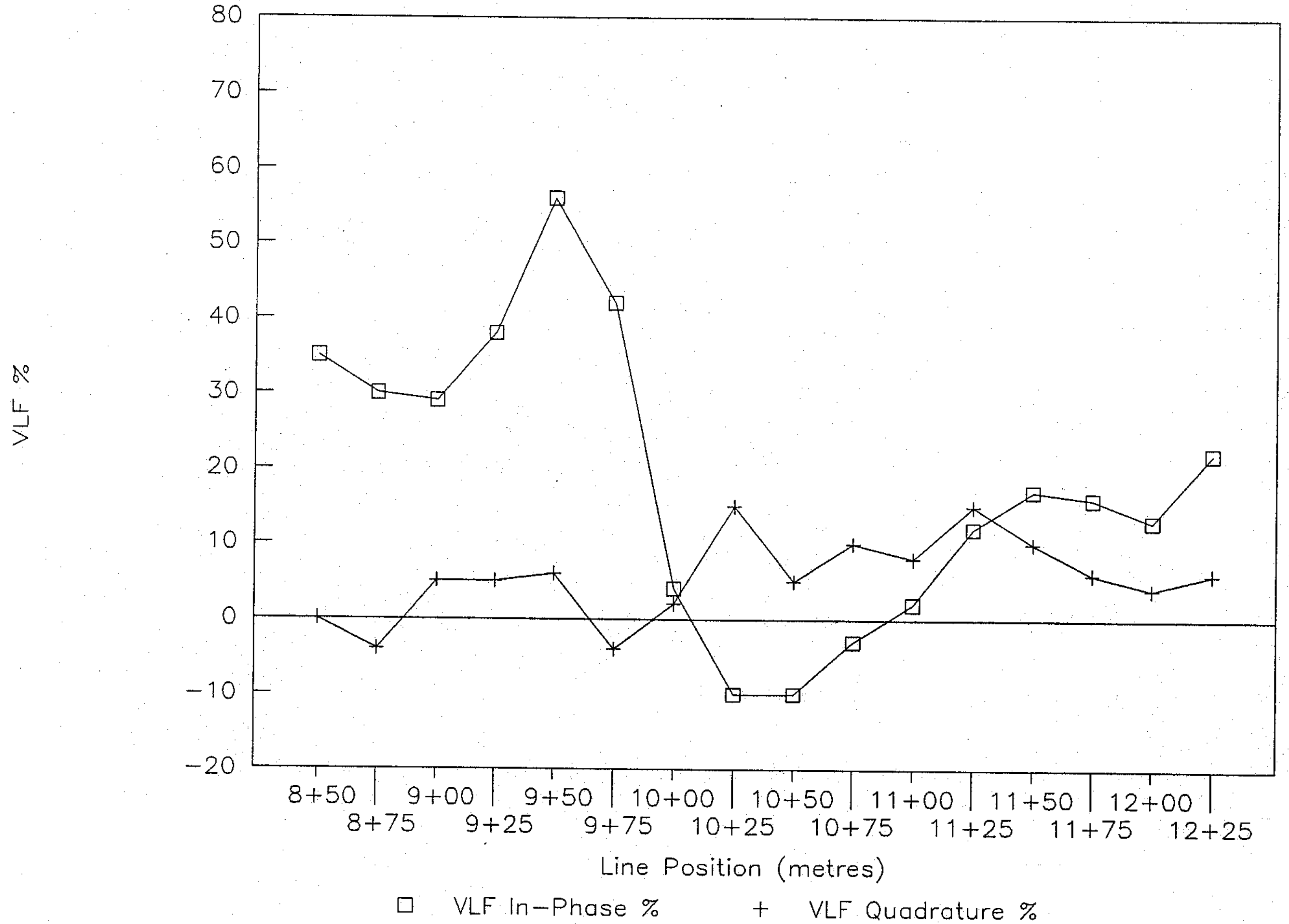
FRASER FILTERED VLF 12+00 E




GREGOR GRID
VLF CUTLER LINE 9+00 E
VLF %
80
70
60
50
40
30
20
10
0
−10
−20
8+50
8+75
9+00
9+25
9+50
9+75
10+00
10+25
10+50
10+75
11+00
11+25
11+50
11+75
12+00
12+25
12+50
Line Position (metres)
VLF In−Phase %
VLF Quadrature %

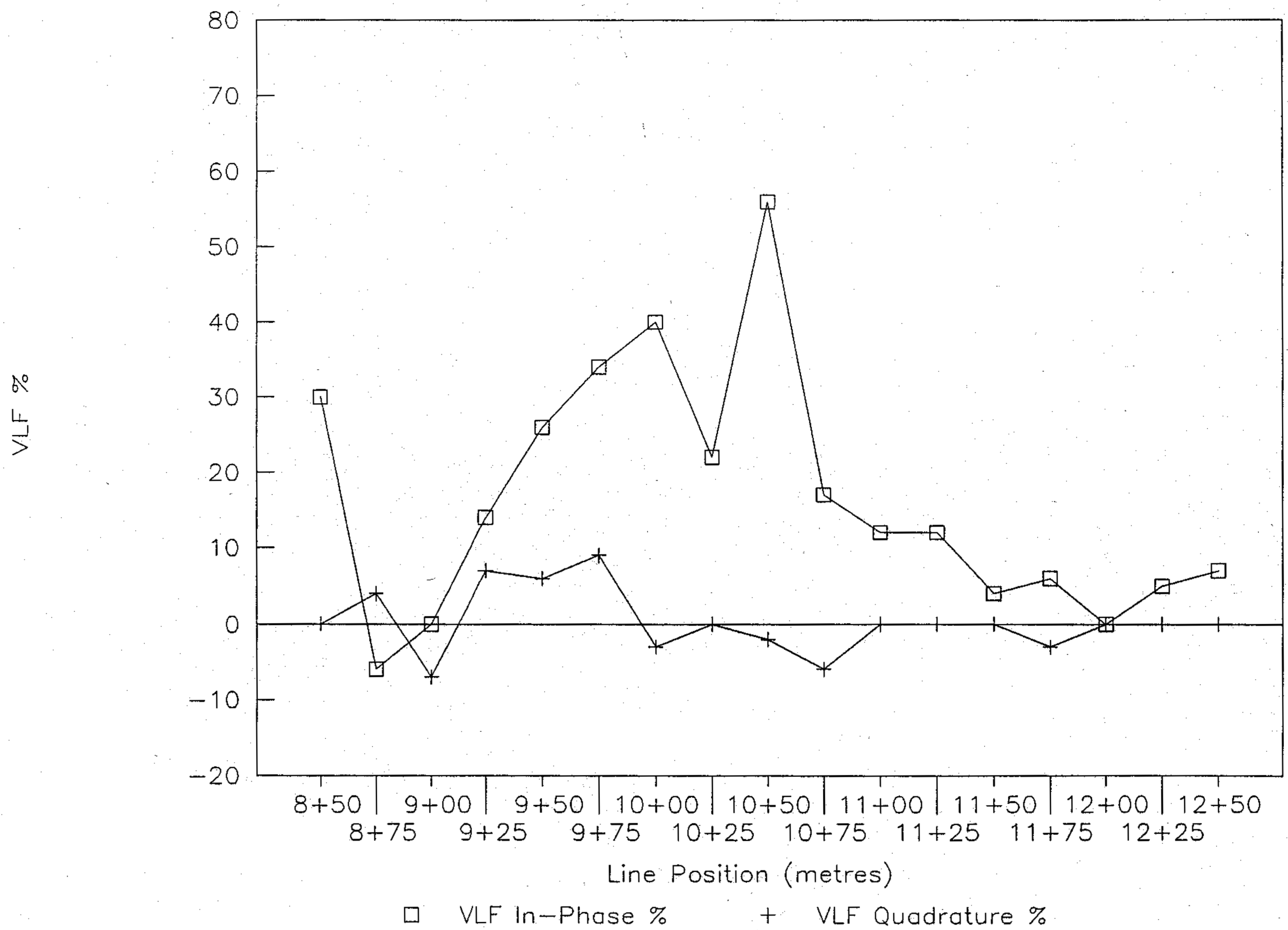
GREGOR GRID

VLF CUTLER LINE 10+00 E



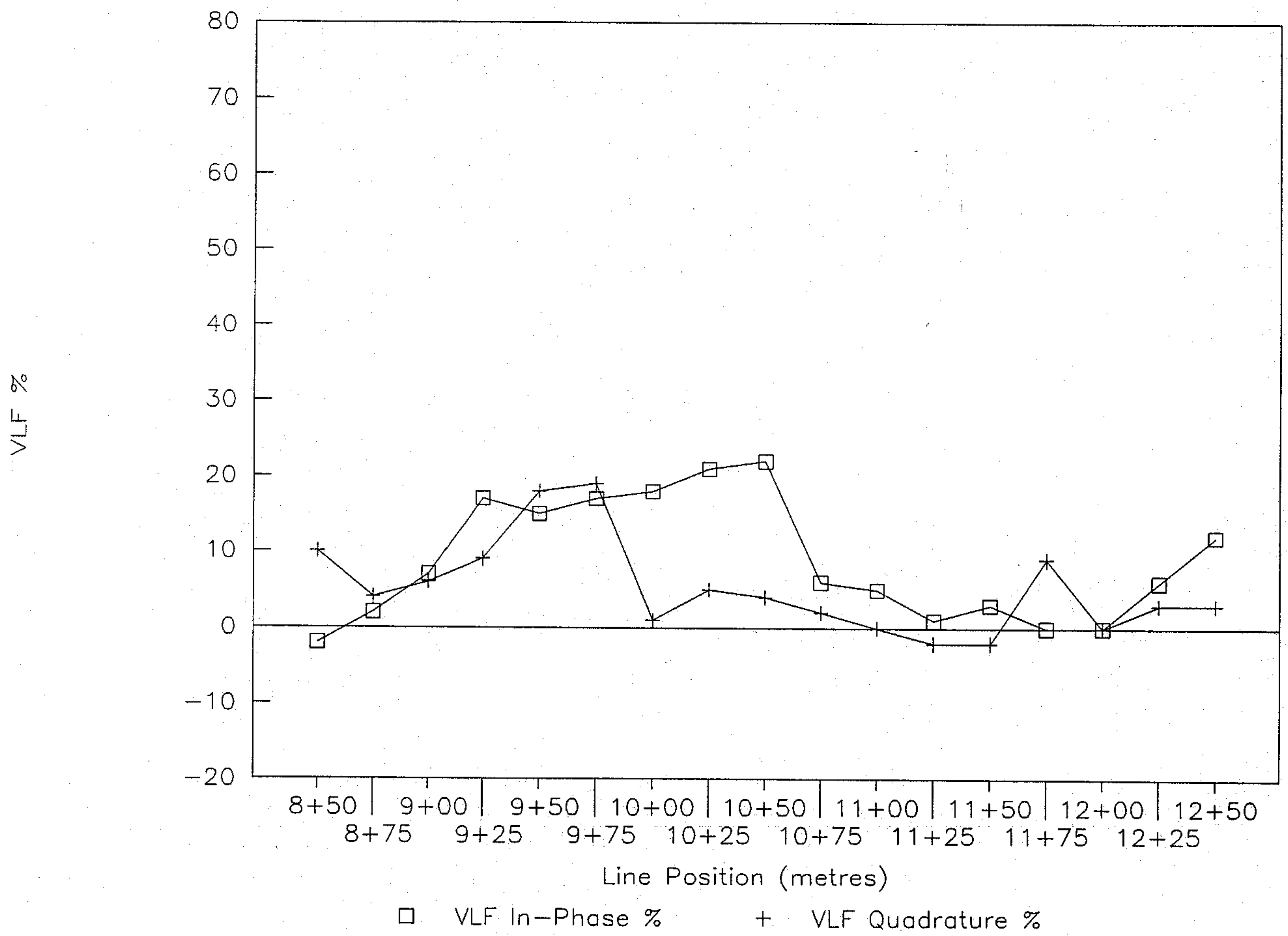
GREGOR GRID

VLF CUTLER LINE 11+00 E



GREGOR GRID

VLF CUTLER LINE 12+00 E



APPENDIX C

ROCK DESCRIPTIONS

ROCK DESCRIPTIONS

64042	Grab. Very proximal sub-crop found in the creek bed. Relatively fresh siltstone with some fine grained sulfides (probably pyrite with a trace of chalcopyrite).
64044	Float - Bull quartz vein found in the stream bed. Pieces of quartz in the area up to 8 cm. wide. Host is a metasediment. Float.
64045	Float - Gossanous siltstone found in the stream bed which is strongly silicified with very fine grained pyrite. Float.
64046	Grab. Very strongly silicified siltstone found on the face of an east-west trending prominent outcrop standing 2 to 4 metres high. Bedding measurement (dipdir, dip) (350,60). Grab.
64047	Grab. Metavolcanic found at the headwaters of a stream. Grab.
64048 with	Grab. Very strongly altered metasediment. Strongly silicified and bleached quartz stringers and veinlets up to 1 cm. Gossanous but appears to be little sulfide. Grab.
64049	Float - Bull quartz veins found in the stream with pieces up to 25 cm. wide being common. Float.
64050	Float - Very pyritic metasediments. Very siliceous. Found in stream bed. Float.
64051	Grab. Metavolcanic with very fine grained disseminated pyrite and an unidentified white sulfide. Not silicified. Grab.
64052	Float - Metavolcanic float in the stream bed. Somewhat gossanous. Float.
64054	Chip Very gossanous pod found within a package of volcanic flows. (dipdir,Dip) (120,55) Pod is 4 m. long and 0.7m. thick. Contains some calcite, anhydride and some zeolite. Chip across 0.7 metres.
64055	Grab A small (1 - 2 metre wide) diorite dyke found at the contact of sediments and an andesite. Strongly foliated and silicified with up to 3% pyrite. Grab.
64056	Grab Well bedded, hornfelsed, metasiltstone with up to 5% pyrite. Grab.
64057	Grab Metavolcanic which is slightly gossanous. Quite mafic and dark. Grab.

64058 <u>Grab</u> Mafic metavolcanics. Slightly siliceous and pyritic. Contains plagioclase phenocrysts up to 4 mm. long. Grab.

64059 <u>Grab</u> Vesicular basalt with blebs of magnetite and chlorite with a trace of chalcopyrite. Flows of these volcanics sit at (dipdir, dip) (280, 87). Grab.

64060 <u>Grab</u> Sub-crop which has come from the cliffs above. Grab.

64061 <u>Chip</u> Metavolcanics very close to the contact of the Bronson Stock. Moderate amount of weak epidote and some quartz veins. Trace of very fine grained (pyrite?). Main foliation with quartz veinlets and sweats at (0, 65)(dipdir,dip). Chip across 1.0 metre.

64062 <u>Grab</u> Metavolcanics within metres of the Bronson Stock contact. Approximately 2% combined pyrite and magnetite. Mildly silicified. Grab.

64063 <u>Chip</u> Bull quartz vein at (dipdir, dip)(045, 25). 35 cm. wide hosted in relatively unaltered volcanics. Chip across 35 cm.

64064 <u>Grab</u> Fresh Orthoclase Porphyry with disseminated magnetite. Some epidote present. Grab.

64065 <u>Grab</u> Outcrop of metavolcanic found under an uprooted tree. Moderate to strongly and pervasively epidote altered, with small blebs of chlorite, pyrite, and hematite. Grab.

64066 <u>Grab</u> Carbonate flooded andesite lapilli tuff. Weak epidote with the carbonate. Very strongly magnetic. Grab.

64067 <u>Grab</u> Metasediments with large blebs (3cm.) of magnetite and hematite. Found in outcrop in a very steep stream. Weakly bedded at (dipdir,dip) (085, 70). Grab.

64068 <u>Grab</u> Strongly foliated orthoclase porphyry. Not very good outcrop but best estimate of the foliation is (strike, dip) (160, 90E). Strongly clay altered as well as blebs of pyrite and hematite. Grab.

64069 <u>Chip</u> Schist which was probably originally a volcanic. Very heavy sulfides (>10%) Contains pyrite, chalcopyrite, and abundant quartz/carbonate flooding. Foliation at (dipdir,dip) (230, 35). Chip across 1.0 metre.

64075 <u>Grab</u> Mafic volcanic flow found in outcrop next to the stream. Contains approximately 10% magnetite. Grab.

64076 <u>Grab</u> Mafic flows with quartz veins up to 3 cm wide. Strongly magnetic. Minor amounts of pyrite and hematite. No quartz taken in this sample. Grab.

64077 Grab Mafic volcanic flows. Same unit as 64076 but took the quartz as a sample this time. Trace of chalcopyrite. Grab.

64078 Grab Possibly a rhyolite. Very felsic with quartz and plagioclase crystals. See occasional quartz eyes. 1.5% of an unidentified black metallic mineral and 1 % pyrite. Grab.

64079 Grab Greywacke with fine disseminated Magnetite, pyrite and chalcopyrite. Slightly magnetic. Much of the surrounding rock is more magnetic and well bedded. Grab.

64080 Float - Hornfelsed siltstone/mudstone with up to 12% pyrite. and minor hematite. Sulfide found in stringers as well as blebs. Float.

64081 Float - Foliated diorite found in the roots of a tree. 10% total sulfide, mostly pyrite with some pyrrhotite, hematite and chalcopyrite. Quite angular. Float?

64082 Talus Talus blocks containing small quartz sweats and veinlets (up to 4 cm. wide). These metavolcanic talus blocks do not appear to be transported very far. Float.

64083 Grab Metasediments which are foliated but not strongly altered. Fractured with quartz/carbonate, manganese and minor sulfides along fractures. Grab.

64084 Chip Bull quartz vein, 30 cm. wide. Undulating with no true orientation but is generally flat lying. Chip over 30 cm.

64086 Grab Mafic lapilli tuff. Pyroxene is the main constituent. Minor sulfides (pyrite) but appears to be very fresh with tuffaceous texture very easily identified. Grab.

64106 Grab, coarse grained orthoclase porphyry with very fine grained disseminated pyrite.

64107 Moss Mat, EH #8 re sample.

64108 Moss Mat, EH #9 re sample.

64109 Float, angular bull white quartz vein with chlorite rim within black metavolcanic.

64110 1m Grab/Chip, sheared/foliated dark green metavolcanic with blebs and bands of laminated pyrite/chalcopyrite.

64111 Grab, semi massive blebs/bands of laminated pyrite within dark volcanic.

64112	3/4m Chip, massive bands of laminated pyrite within dark volcanic.
64113	1m Chip, semi massive bands of laminated pyrite within dark volcanic.
64114	Grab, metavolcanic, purple foliated garnet/feldspar/chlorite dark green andesite with 1-3% disseminated pyrite.
64115	Grab, quartz veins with very fine grained pyrite.
64116	Grab, weakly altered feldspar porphyry with disseminations and blebs pyrite.
64117	Grab, feldspar porphyry with blebs of magnetite.
64118	Grab, altered feldspar porphyry with blebs of pyrite.
64119	Grab, feldspar porphyry with blebs of pyrite.
64208	Grab Metasediment with 1.5 cm quartz veinlets running parallel to each other. Grab.
64209	Float- Silicified metasediment found 20 metres to the east of 64208. Float.
64210	Float? Possible sub-crop or float- Strongly silicified metasediment with 2mm quartz veinlets with minor disseminated pyrite. Float?
64211	Grab Silicified metasediment found at a small outcrop just north of the stream. Some very fine grained disseminated unidentified sulfides. Grab.
64212	Grab Silicified metasediment found in a dry creek bed. Up to 7 % sulfide. Grab.
64213	Sub-crop or float- Metasediment with fine grained disseminated sulfides and blebs up to 4 mm. across. Float.
64214	Chip Bull quartz vein- 7 cm wide with a trace of pyrite. Orientation (dipdir, dip (190, 86). Chip across 7 cm.
64215	Grab Metasiltstone with up to 4% disseminated sulfide(pyrite + trace chalcopyrite). Mildly silicified. Grab.
64216	Grab Metavolcanics with a trace of very fine grained disseminated pyrite. Grab
64217	Float- Metavolcanics which appear to be flow banded. Float.

64219	Grab Bull quartz vein with an equal amount taken from each of four small veins. (1 - 2 cm. scale). Grab.
64221	Grab Metavolcanic with small stringers and blebs of fine grained sulfide, chlorite and magnetite. Foliation at (dipdir, dip) (80, 10). Grab.
64222	Grab Sample taken from an orthoclase porphyry dyke. Texturally very similar to the Bronson stock. Dyke is approximately 25 metres wide. Grab.
64223	Same as above (#64222).
64224	Grab Metavolcanic with many stringers of very fine grained sulfides (pyrite and minor pyrrhotite. Grab.
64226	Float Float found in creek bed - frothy appearance limonitic weathered out section of volcanic rock. Float.
64227	Grab Boulder in snowfield. Skarned sediment with chalcopyrite and pyrite present. Grab.
64228	Grab Basalt with disseminated 10% pyrite Heavy iron staining. Grab.
64229	Grab 1-3 cm bull quartz vein (230°, 50°N) (strike, dip) 25 m long. Grab.
64230	Grab 5 cm wide quartz vein (140, 10N). Traces of chalcopyrite and chalcopyrite present. Grab.
64231	Grab Start of second traverse going east. 4-5 cm quartz vein some sulphides weathered out with iron stain on rock. (190, 90N). Grab.
64232	Grab Basalt with blebs up to 1 cm. wide of magnetite + chlorite, pyrite and a trace of chalcopyrite. Possibility this is not outcrop. (Lots of snow cover). Grab?
64233	Grab Outcrop of metasediments above talus slope with small blebs of malachite 10% disseminated pyrite with lmm. pyrite stringers. Grab.
64234	Grab Orthoclase porphyry. Very near the intrusive margin but appears very fresh, with orthoclase phenocrysts up to 3 cm. long. Occasional blebs or stringers of magnetite. Grab.
64235	Grab Mafic volcanic rock with 2% very fine disseminated pyrite oriented at (30, 85W). Grab.

64236	Grab Metavolcanic found in outcrop (rare for this area). Quite unaltered. Grab.
64237	Float Float found under a fallen tree. Mildly altered with very little sulfide. Float.
64238 epidote	Grab Sample of the Orthoclase porphyry with an appreciable amount of alteration pervasive in the rock. Grab.
64239	Grab Large block of orthoclase porphyry found on 45° talus slope. Orthoclase phenocrysts up to 1.3 cm long in apparent marginal phase with strong foliation. Grab.
64240	Grab Large outcrop of orthoclase porphyry 20 m long 10 m wide. Porphyry with 1-2 cm quartz veins - blebs with some disseminated pyrite. (240, 85S) foliation. Grab.
64241	Float? Float but more like sub-outcrop on a 40° slope. Strongly foliated and metamorphosed rock with a high sericite contents. Up to 10% pyrite which is mainly disseminated as euhedral cubes up to 2mm across. Original rock type may be sedimentary. Float?
64242	Grab (105, 85S) foliation. 5 m from small drainage. Orthoclase porphyry. Grab.
64243	Grab Orthoclase porphyry. Quartz carbonate veins with an unidentified dark blueish green flaky mineral. Very fine disseminated pyrite seen in many rocks in the creek bed. Grab.
64244	Float Massive quartz boulder in creek bed. Found at the bottom of a talus slope The host orthoclase porphyry contains approximately 2% py. Float.
64245	Grab Orthoclase porphyry found on the north side of steep gully. Porphyry 3% disseminated pyrite with 1 mm blebs of pyrite. Grab.
64246	Grab Orthoclase porphyry with 1-2 mm. quartz stringers. 4% pyrite disseminated throughout 30 m long outcrop. Foliation has an orientation of (80, 85N). Grab.
64247	Float?. Fine grained orthoclase porphyry with 5% disseminated pyrite. Float.
64248	Grab. Completely silicified and silica flooded orthoclase porphyry. 5% - 10% epidote patches seen throughout the rock. Up to 7% disseminated pyrite with some blebs and stringers.

64249 Float. Quartz sweats up to 5 cm wide in orthoclase porphyry. Quartz is bullish with minor pyrite along the quartz host interface.

64250 Grab, rusty fractured biotite altered orthoclase porphyry with trace blebs pyrite.

64251 Grab, rusty quartz vein with blebs pyrite.

64252 Float, angular boulder 5m x 7m x 2m chlorite/epidote altered feldspar crystal lapilli tuff with fracture malachite and blebs chalcopyrite 1-2%.

64253 Grab, metasediment with quartz fragments, blebs pyrite and chalcopyrite.

64254 Grab, granular white/orange quartz vein.

64255 1m Chip/Grab, host "254" very fine grained siltstone.

64256 Grab, 5cm shear previously sampled, pyrite, galena.

64310 Moss Mat, re sample SS#3, 1987

64311 1m Grab Chip, foliated black metasediment with 2-5% very fine grained silver disseminated pyrite.

64312 Grab, angular subcrop, white translucent bull quartz spec chalcopyrite with malachite, chlorite rim.

64313 Grab, subcrop, white metasandstone limy, weakly calcareous, 1-3% disseminated pyrite.

64314 Moss Mat, re sample SS#2, 1987

64315 Moss Mat, re sample SS#1, 1987

64316 Grab, skarn pod, quartz/chlorite/garnet with minor epidote, trace pyrite/chalcopyrite, host metasediment.

64317 Moss Mat

64318 Moss Mat

64329 Moss Mat

64320 1m Chip/Grab, foliated black metasediment with milky white quartz filled gashes, trace disseminated pyrite.

64321	Moss Mat
64322	Moss Mat
64323	Grab, very find grained black metasediment with fracture pyrite and 1-2% disseminated pyrite, follow-up of "95701".
64324	Grab, medium grained pale green metavolcanic feldspar porphyry with 3-5% disseminated pyrite.
64325	Float, angular rusty quartz vein, chlorite rims with trace disseminated pyrite/chalcopyrite.
64326	Moss Mat
64327	Silt
64328	Float, angular rusty milky white quartz, glassy with trace fracture and blebs of pyrite 25 cm x 20 cm.
64329	Grab, rusty pyritic fractured, brecciated crystal lithic lapilli tuff.
64330	Grab, quartz carbonate fracture zone within crystal lithic lapilli tuff, 5-10% disseminated pyrite.
64331	Grab, 2-3 cm glassy rusty quartz filled fracture with blebs chalcopyrite.
64332	Grab, host of "331"crystal lithic lapilli tuff.
64333	Moss Mat
64334	Silt
64335	Grab/Chip, pyritic andesite flow
64336	1m vertical grab/chip, very fine grained black volcanic at sediment contact, shear zone, 5-7% blebs and disseminations pyrite.
64337	Grab, subcrop, sheared volcanic with Fe carbonate alteration, 5-12% fine grained disseminated pyrite.
64338	Moss Mat
64339	Silt

64340 1m vertical Chip, pyrite argillite at shear contact zone 2-5% disseminated pyrite.

64341 Moss Mat

64342 Silt

64343 Moss Mat

64344 Silt

64345 1m Chip/Grab, medium coarse grained feldspar porphyry with 1% blebs pyrite,? chalcopyrite?

64346 Float, angular quartz flooded feldspar porphyry with trace disseminated pyrite/chalcopyrite.

64347 2m Grab, weakly prophylitic altered feldspar porphyry with 1% pyrite, trace chalcopyrite locally magnetic, quartz sweats, crystals locally.

64348 1m vertical Grab/Chip, foliated feldspar porphyry with trace magnetite/pyrite and bull white quartz sweats.

64349 Grab, weakly altered feldspar porphyry with 1-3% blebs and disseminations pyrite.

64350 Grab, epidote/K-spar porphyry with magnetite and 1-2% disseminated pyrite

64351 Grab, pyritic metavolcanic, dark green

64352 Subcrop/Float, black/grey metasediment chips from within creek.

64353 Subcrop/Float, black siltstone porcelinite with disseminated pyrite, graphitic.

64354 Float, angular quartz float with disseminated pyrite.

64355 Subcrop, highly fractured pyritic felsic rock.

WHOLE ROCKS

64070WR Hemlo West drill core. Hole JV-87-01, 50.0 - 50.2 metres.
Logged as:

"Fine-grained mafic tuff with intercalations of very fine grained dacitic tuff and greywacke."

The sampled core was comparatively light coloured (presumably dacite), appearing to have minimal alteration other than minor light brown alteration (oxidation of the mafic minerals).

64071WR JV-87-01, 105.5 - 105.9 metres.
Logged as:

"Interbedded, fine-grained sandstone and pyrite-rich tuff."

Sampled core was fine grained tuff. Clasts are very small (2-4 mm.). Siliceous in part with strong, pervasive sericitization. Only a trace of pyrite in this particular section.

64072WR JV-87-01, 113.5 - 113.9 metres.
Logged as:

"Dacite lapilli tuff."

Sampled core does not appear strongly altered. May have been more mafic than indicated by dacitic lable.

64073WR JV-87-01, 136.6 - 137.0 metres.
Logged as:

"Interbedded dacite lapilli tuff and rhyolite."

Core is very light coloured indicating felsic composition. Clay alteration is present. Relict flow texture is visible in areas.

64074WR I 90-11, 34.0 - 34.4 metres.
Logged as:

"Locally weakly mineralized polylithic lapilli tuff."

Freshest intersection of andesite lapilli tuff in the hole. Fragments up to 3 cm across. Contains some pyroxene phenocrysts in some clasts. Moderate chloritization, which is found pervasively through all rocks in the area, is present. Fresh with two small (1mm) carbonate stringers.

64086WR Taken from the slope south of Mount Verrett, and just above tree line. Some of the freshest appearing rock seen on property. Fresh andesite flow. Approximately 18% feldspar phenocrysts (approximately 3 - 4 mm).

APPENDIX D

UNIVARIATE STATISTICS

The data which was used for the stastical analysis in this report came from the following files:

BONDAR-CLEGG

V6042611 FTX	V6043611 FTX	V6045561 FTX	V6045566 FTX	V7042301 FTX	V1007130 FTX
V7042311 FTX	V7046511 FTX	V7046671 FTX	V7046676 FTX	V7046861 FTX	V1007130 PRN
V7046871 FTX	V7053881 FTX	V7054061 FTX	V7054066 FTX	V7054181 FTX	V1007640 FTX
V7054186 FTX	V7070844 FTX	V9075840 FTX	V9075845 FTX	V9075846 FTX	V1007640 PRN
V9075848 FTX	V9075980 FTX	V9075984 FTX	V9075985 FTX	V9075986 FTX	V1007646 FTX
V9076080 FTX	V9076084 FTX	V9076085 FTX	V9076086 FTX	V9076088 FTX	V1007646 PRN
V9076490 FTX	V9076495 FTX	V9076496 FTX	V9076498 FTX	V9076690 FTX	V1007700 FTX
V9076700 FTX	V9076705 FTX	V9076706 FTX	V9076850 FTX	V9076856 FTX	V1007700 PRN
V9076860 FTX	V9076990 FTX	V9076996 FTX	V9079480 FTX	V9079490 FTX	V1007706 FTX
V9079496 FTX	V9079500 FTX	V9079506 FTX	V9079510 FTX	V9079511 FTX	V1007706 PRN
V9079514 FTX	V9079516 FTX	V9079930 FTX	V9079936 FTX		

T.S.L. LABS

S7500	DAT	S7274	DAT	S7098	DAT	S7054	DAT	S7043	DAT
S6935	DAT	S6932	DAT	S6933	DAT	S6833	DAT	S7331	DAT
S7506	DAT	S7623	DAT	S7265	DAT	S7233	DAT	S7154	DAT
S6979	DAT	S6988	DAT	S6934	DAT	S6864	DAT	S6899	DAT
S9035	DAT	S9038	DAT	S9039	DAT	S9040	DAT	S9041	DAT
S9053	DAT	S9054	DAT	S9062	DAT	S9063	DAT	S9064	DAT
S9072	DAT	S9096	DAT	S9174	DAT	S9198	DAT	S9200	DAT
S9204	DAT								

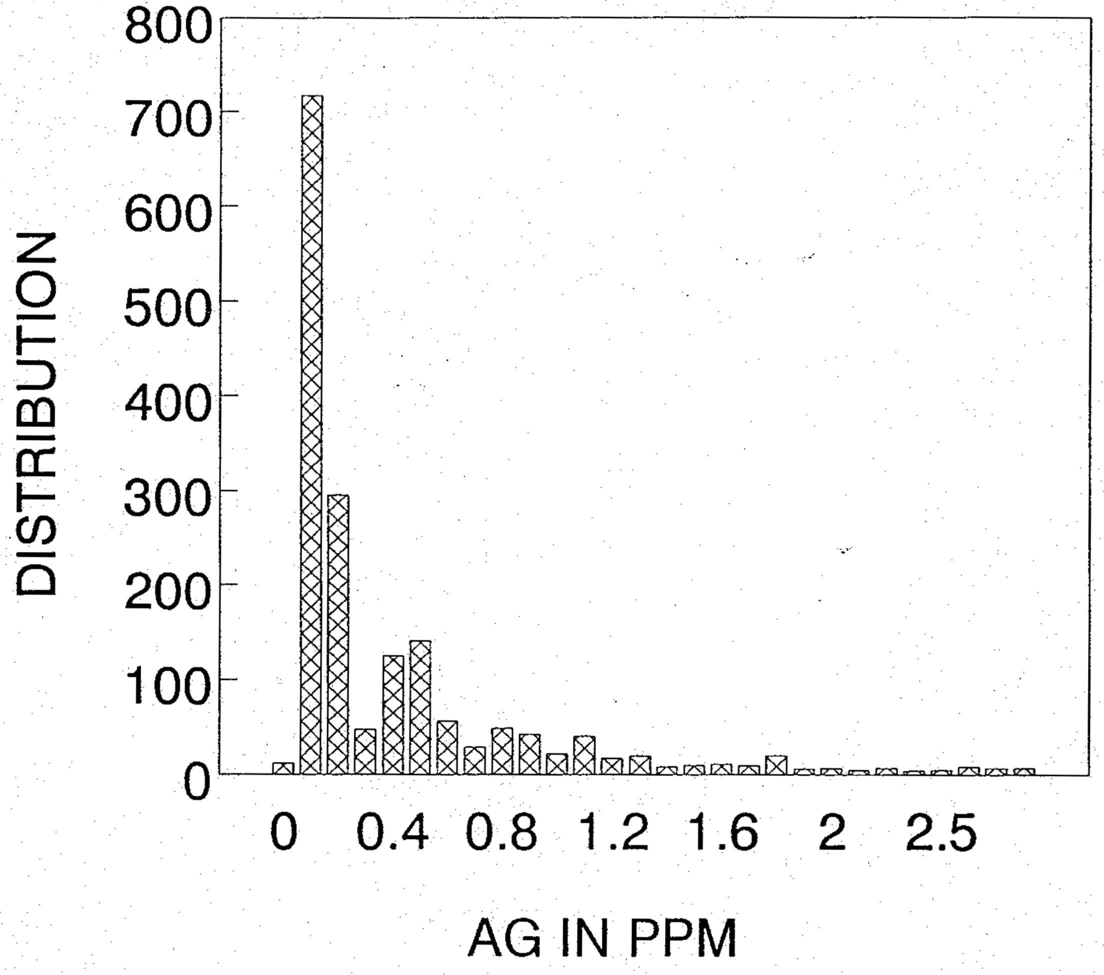
TERRAMIN LABS

J08288A1 ASC	J08288A2 ASC	J08288A3 ASC	J0828881 ASC	J0828882 ASC
J08288C ASC	J08305A1 ASC	J08305A2 ASC	J08304A1 ASC	J08304A2 ASC
J08319 ASC	J08330 ASC	J08352 ASC	J08353A1 ASC	J08353A2 ASC
J08353A3 ASC	J08371A1 ASC	J08371A2 ASC	J08371A3 ASC	J08394A1 ASC
J08394A2 ASC	J08403A1 ASC	J08403A2 ASC	J08177 ASC	

MIN-EN LABS

0S0371RA A01	0S0371RJ A01	0S0740RJ A01	0S0742SJ A01	0S0742SJ A03
0S0742SJ A05	0S0742SJ A07	0S0742SJ A08	0S0745RA A01	0S0745RJ A01
0S0749RJ A01	0S0749RJ A03	0S0749RJ A05	0S0749RA A01	0S0750RJ A01

AG IN DRILL CORE; ISKUT JV

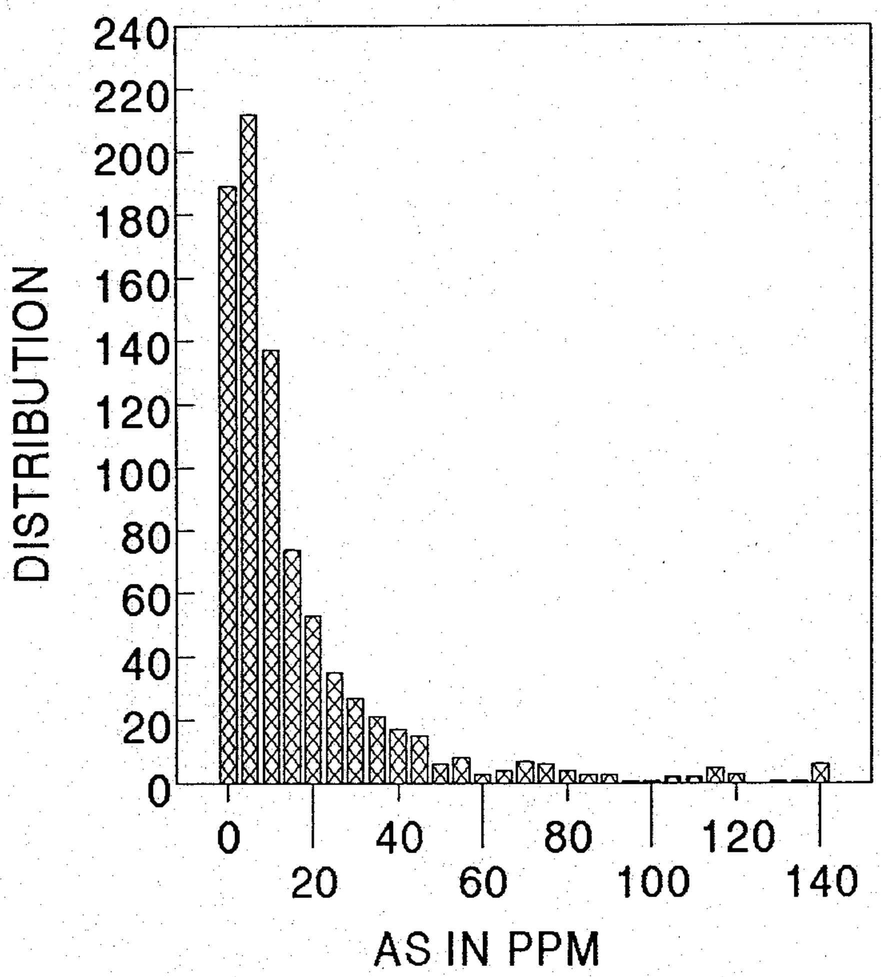


Statistical Analysis

Analysis of AG (PPM) from file IJVDRILL.DBF

n =	1841		
min =	0.010	St.Dev =	3.323
max =	50.000	Var =	11.045
x =	0.999	CV =	3.328
M =	0.270	90% =	1.800 ()
Q1 =	0.100	95% =	3.300 ()
Q3 =	0.700	98% =	7.300 ()

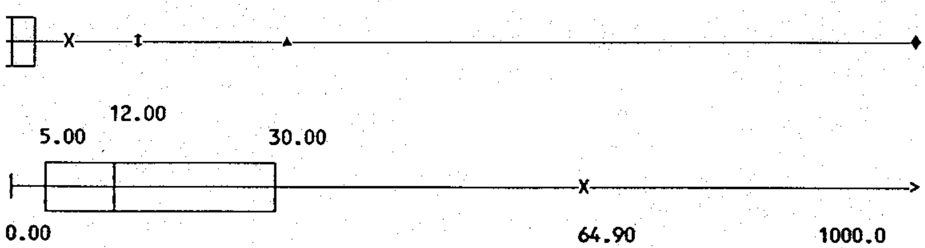
AS IN DRILL CORE; ISKUT JV



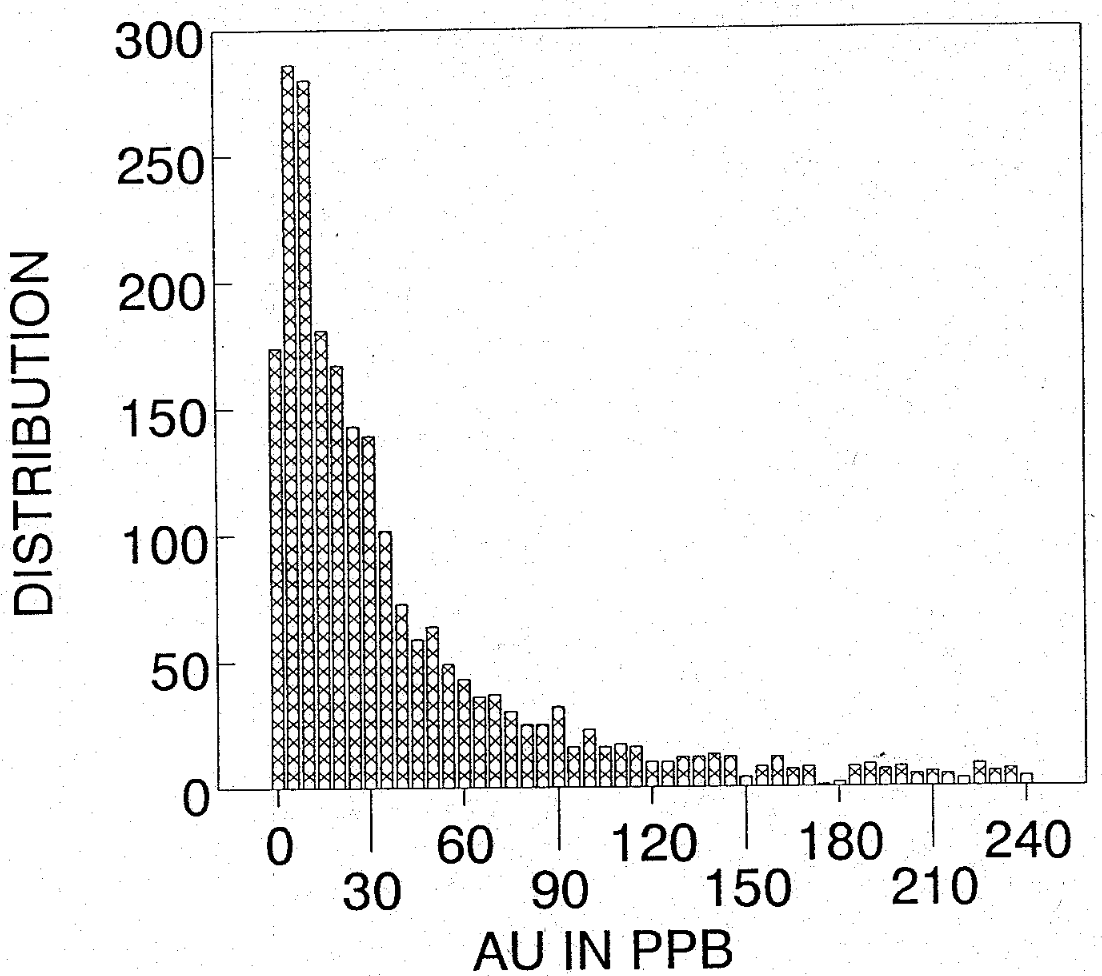
Statistical Analysis

Analysis of AS (PPM) from file IJVDRILL.DBF

n =	938			
min =	0.000	St.Dev =	176.898	
max =	1000.000	Var =	31292.833	
x =	64.902	CV =	2.726	
M =	12.000	90% =	142.000	(↕)
Q1 =	5.000	95% =	315.000	(▲)
Q3 =	30.000	98% =	1000.000	(♦)



AU IN DRILL CORE; ISKUT JV

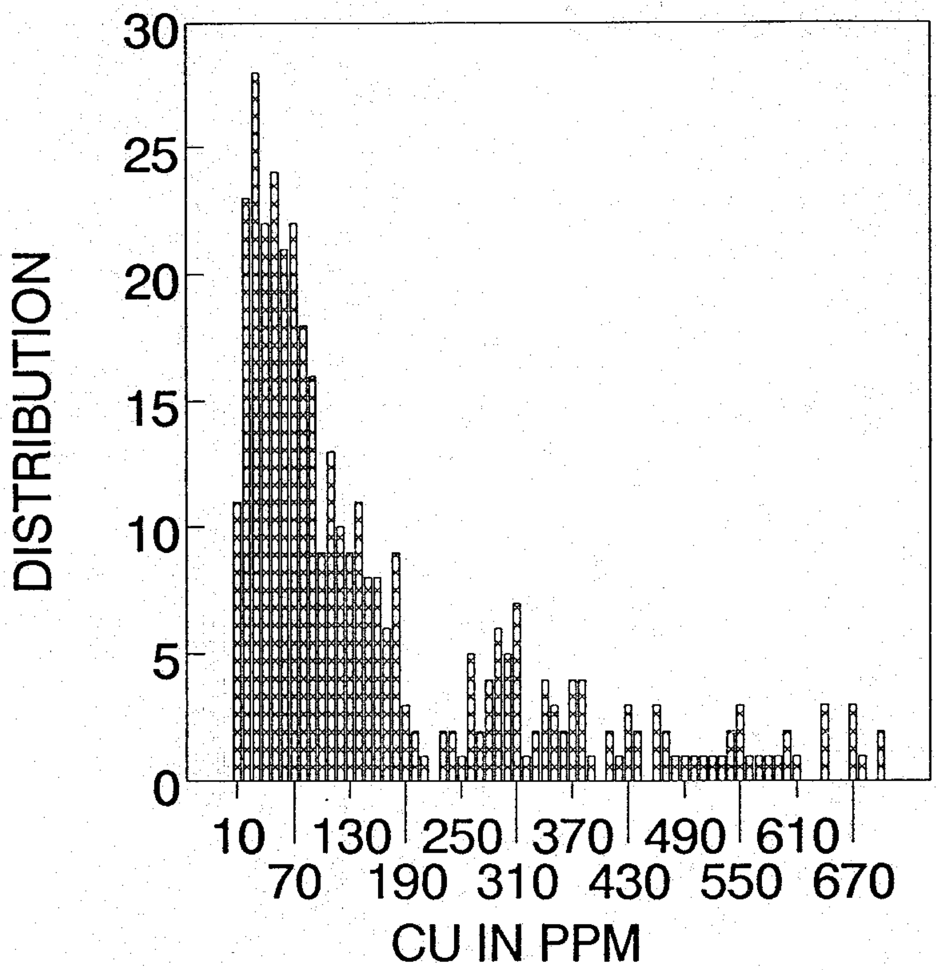


Statistical Analysis

Analysis of AU (PPB) from file IJVDRILL.DBF

n =	2466		
min =	0.000	St.Dev =	1869.425
max =	66563.000	Var =	3494751.2
x =	243.437	CV =	7.679
M =	29.000	90% =	239.000 ()
Q1 =	12.000	95% =	543.000 ()
Q3 =	76.000	98% =	1888.000 ()

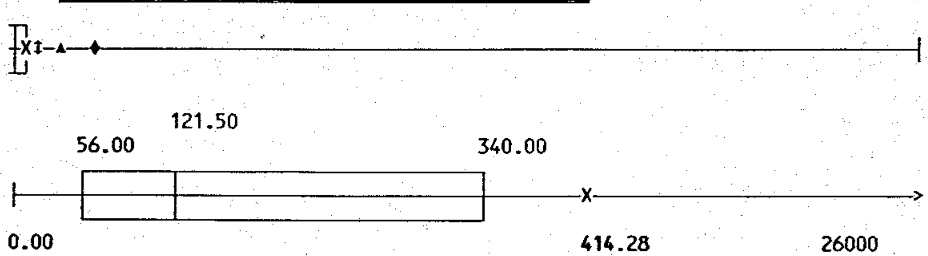
CU IN DRILL CORE; ISKUT JV

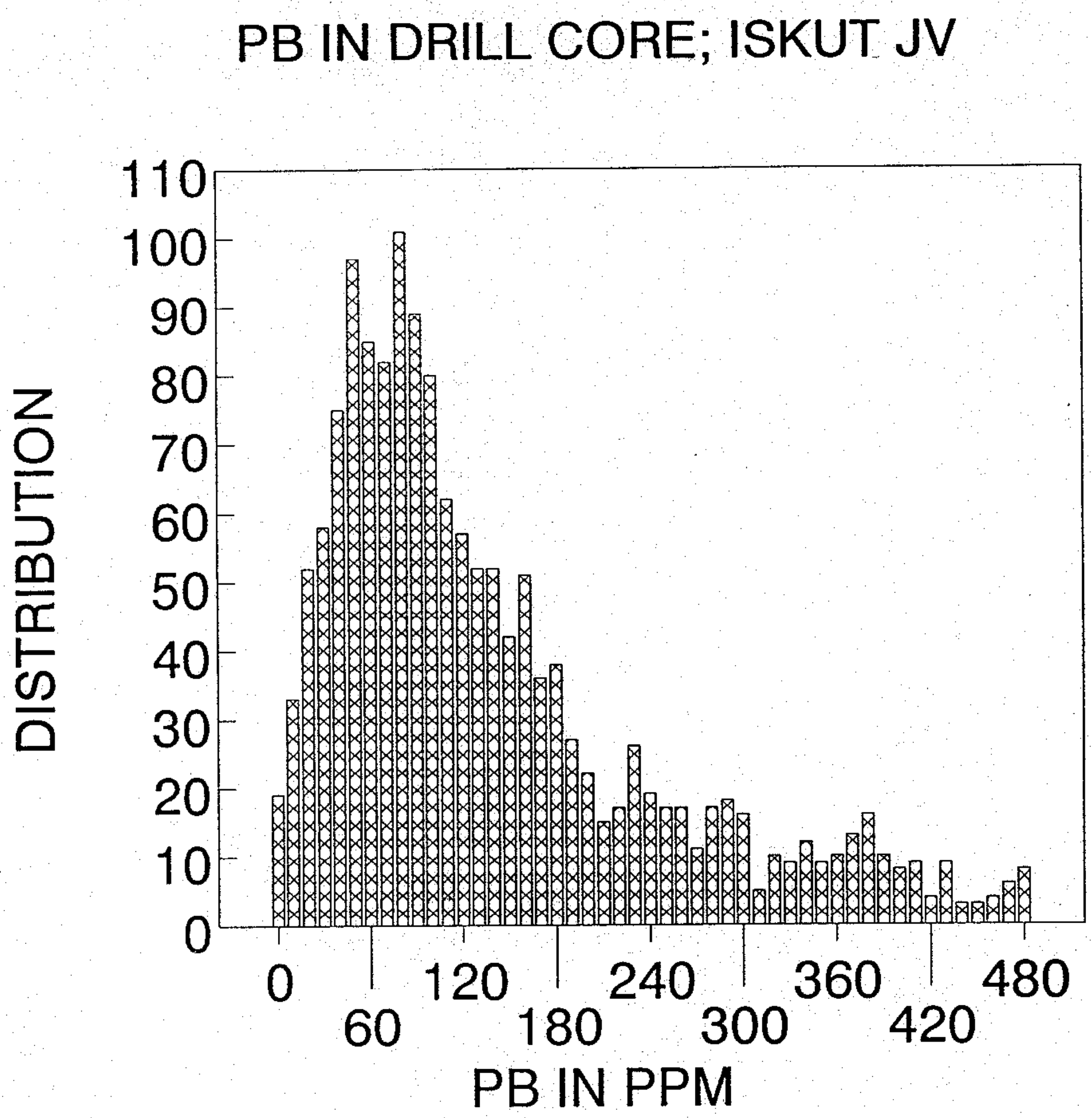


Statistical Analysis

Analysis of CU (PPM) from file IJVDRILL.DBF

n =	418		
min =	0.000	St.Dev =	1419.051
max =	26000.000	Var =	2013704.8
x =	414.285	CV =	3.425
M =	121.500	90% =	830.000 (↕)
Q1 =	56.000	95% =	1640.000 (▲)
Q3 =	340.000	98% =	2400.000 (♦)



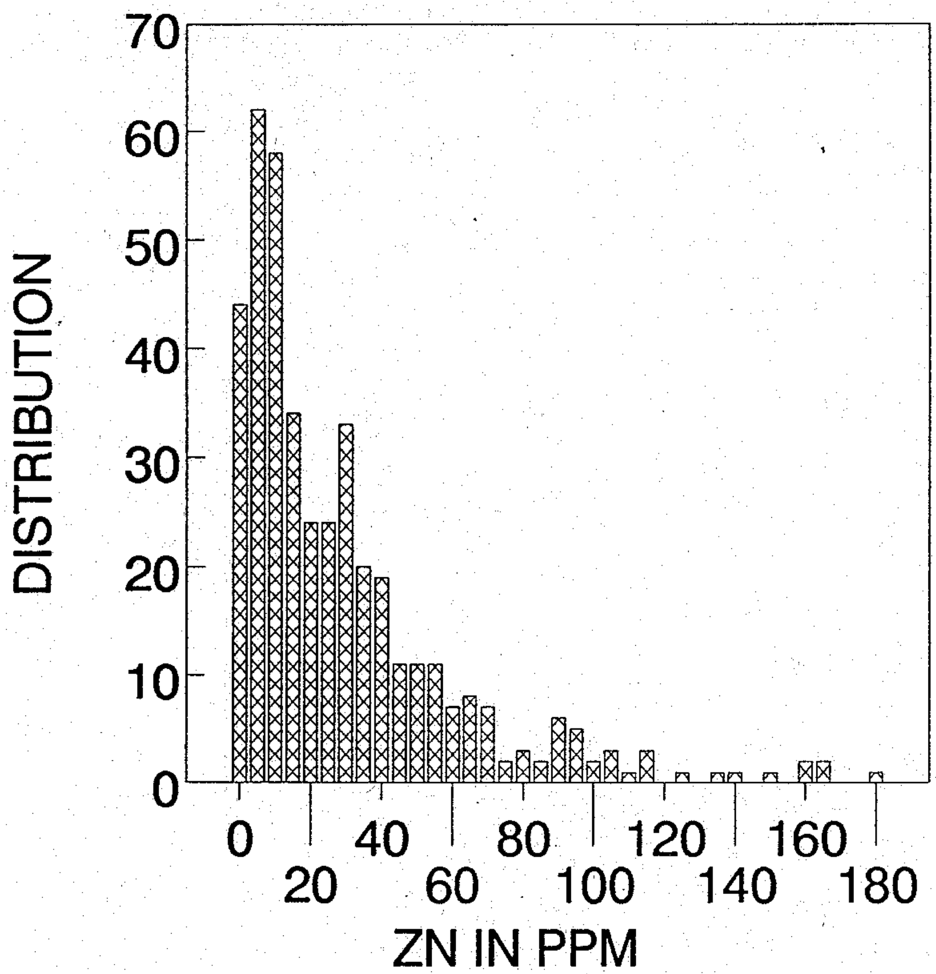


Statistical Analysis

Analysis of PB (PPM) from file IJVDRILL.DBF

n =	1665		
min =	4.000	St.Dev =	603.117
max =	16000.000	Var =	363749.90
x =	240.351	CV =	2.509
M =	119.000	90% =	427.000 ()
Q1 =	69.000	95% =	665.000 ()
Q3 =	231.000	98% =	1290.000 ()

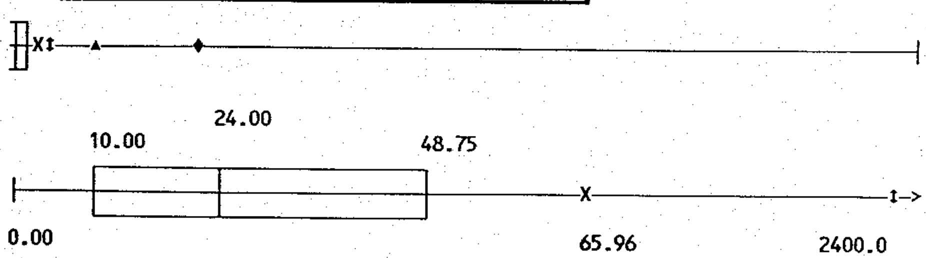
ZN IN DRILL CORE; ISKUT JV



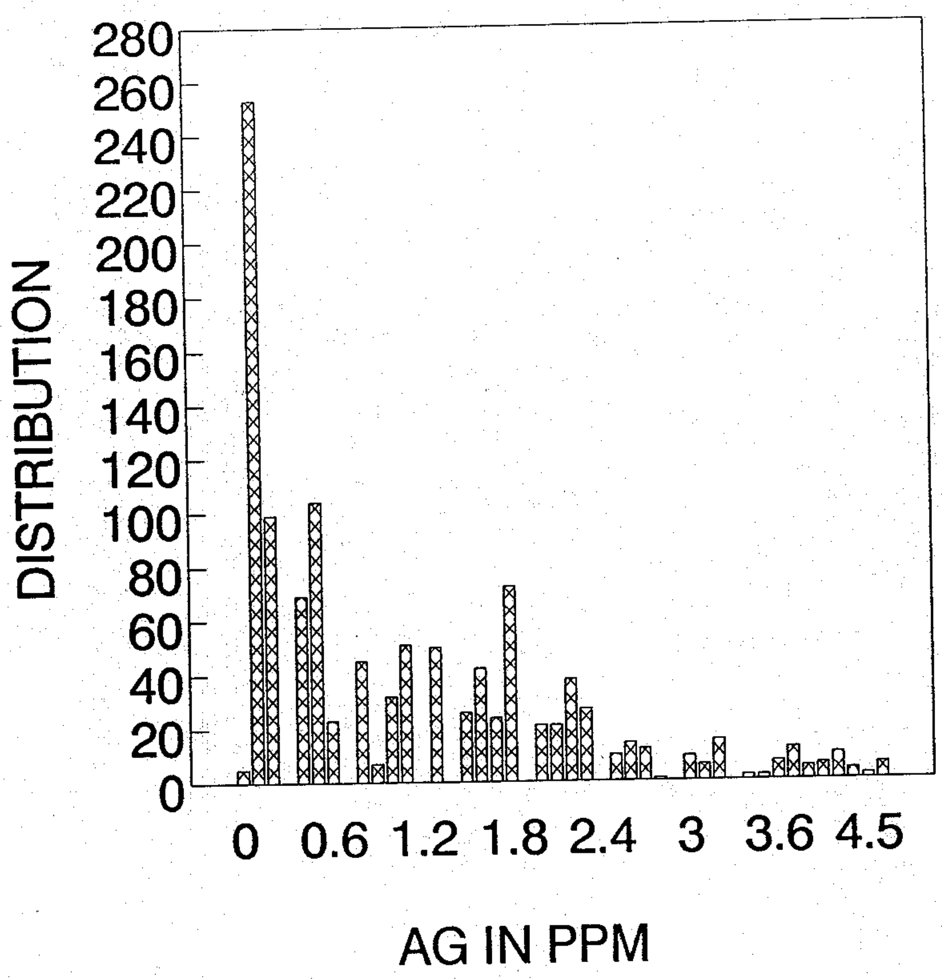
Statistical Analysis

Analysis of ZN (PPM) from file IJVDRILL.DBF

n =	437			
min =	0.000	St.Dev =	189.995	
max =	2400.000	Var =	36098.236	
x =	65.959	CV =	2.881	
M =	24.000	90% =	102.000	(‡)
Q1 =	10.000	95% =	240.000	(▲)
Q3 =	48.750	98% =	500.000	(♦)



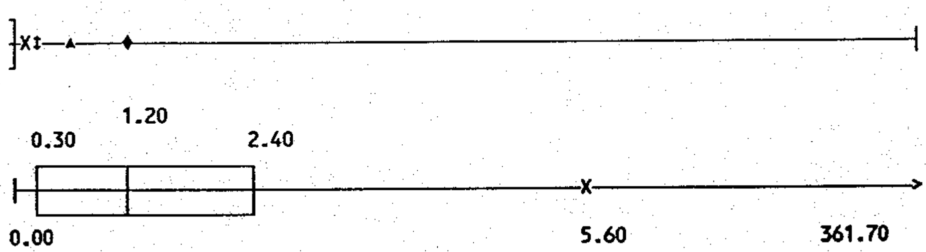
AG IN ROCK; ISKUT JV



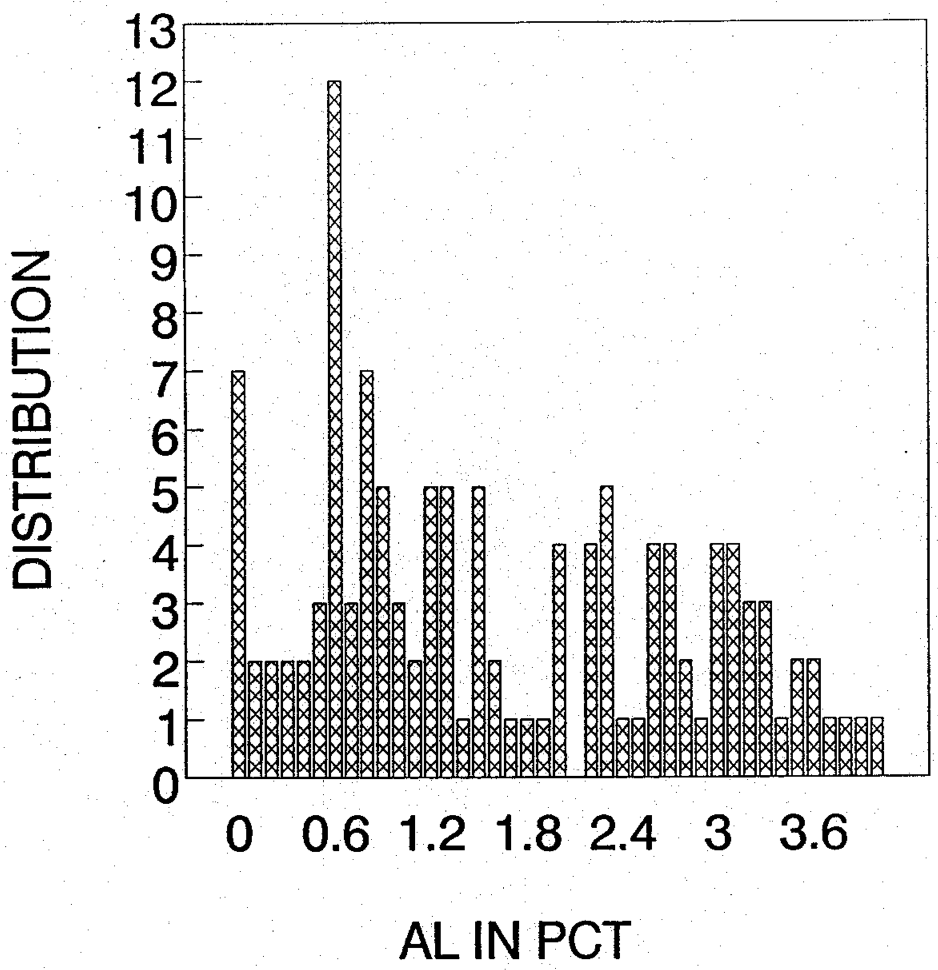
Statistical Analysis

Analysis of AG (PPM) from file IJVROCK.DBF

n =	1345			
min =	0.000	St.Dev =	21.435	
max =	361.700	Var =	459.478	
x =	5.601	CV =	3.827	
M =	1.200	90% =	11.000	(‡)
Q1 =	0.300	95% =	23.500	(▲)
Q3 =	2.400	98% =	49.700	(♦)



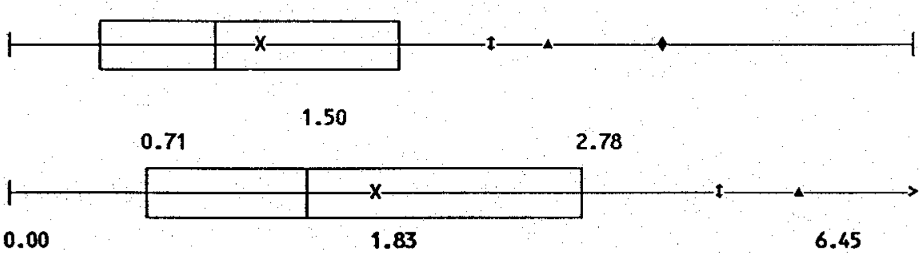
AL IN ROCK; ISKUT JV



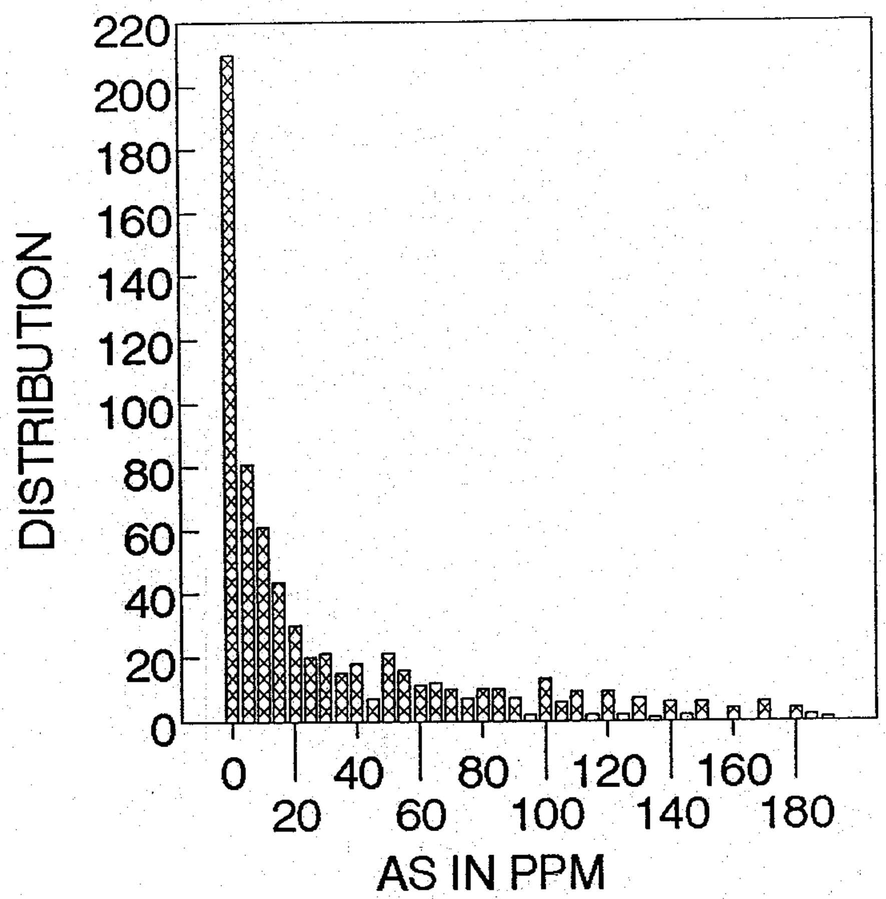
Statistical Analysis

Analysis of AL (PCT) from file IJVROCK.DBF

n =	126			
min =	0.000	St.Dev =	1.340	
max =	6.450	Var =	1.797	
x =	1.830	CV =	0.732	
M =	1.500	90% =	3.450	(‡)
Q1 =	0.710	95% =	3.860	(▲)
Q3 =	2.780	98% =	4.720	(♦)



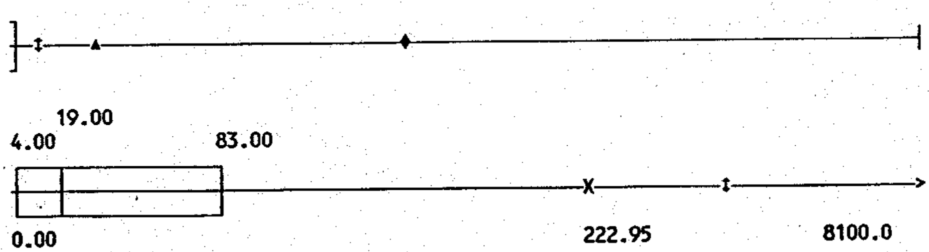
AS IN ROCK; ISKUT JV



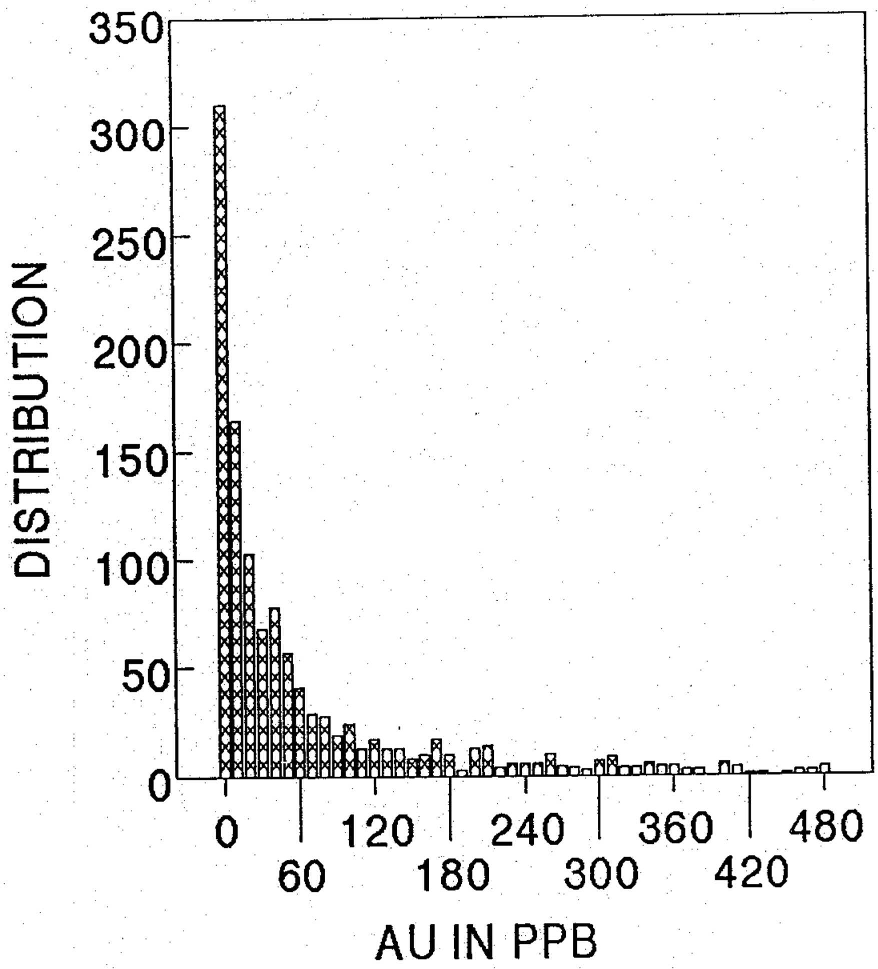
Statistical Analysis

Analysis of AS (PPM) from file IJVROCK.DBF

n =	788		
min =	0.000	St.Dev =	845.827
max =	8100.000	Var =	715423.87
x =	222.953	CV =	3.794
M =	19.000	90% =	280.000 (‡)
Q1 =	4.000	95% =	810.000 (▲)
Q3 =	83.000	98% =	3500.000 (♦)



AU IN ROCK; ISKUT JV

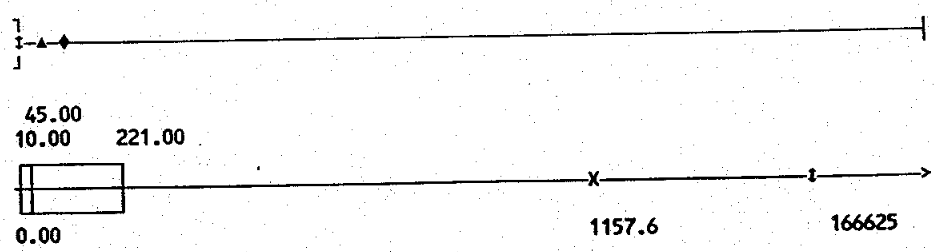


Statistical Analysis

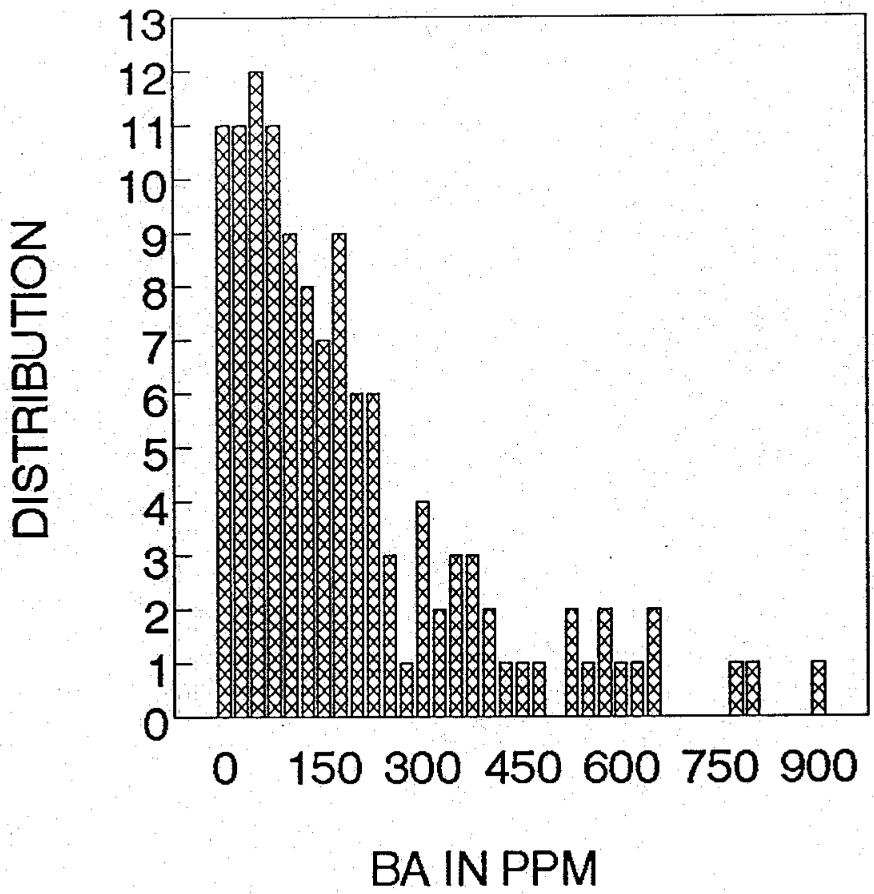
Analysis of AU (PPB) from file IJVROCK.DBF

```
  n =      1406
min =     0.000        St.Dev = 6874.110
max =166625.00            Var = 47253385
  x = 1157.556            CV  =    5.938

  M =    45.000        90% = 1614.000  (↕)
 Q1 =    10.000        95% = 5211.000  (▲)
 Q3 =   221.000        98% = 9781.000  (◆)
```



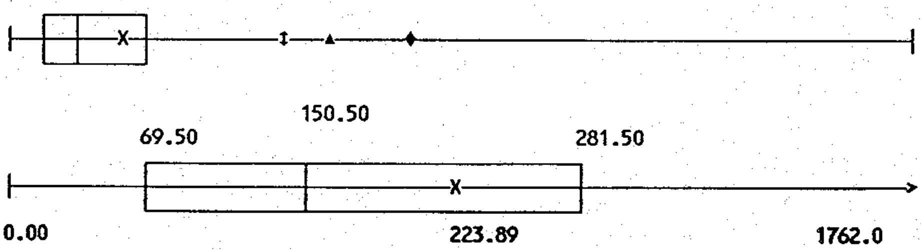
BA IN ROCK; ISKUT JV



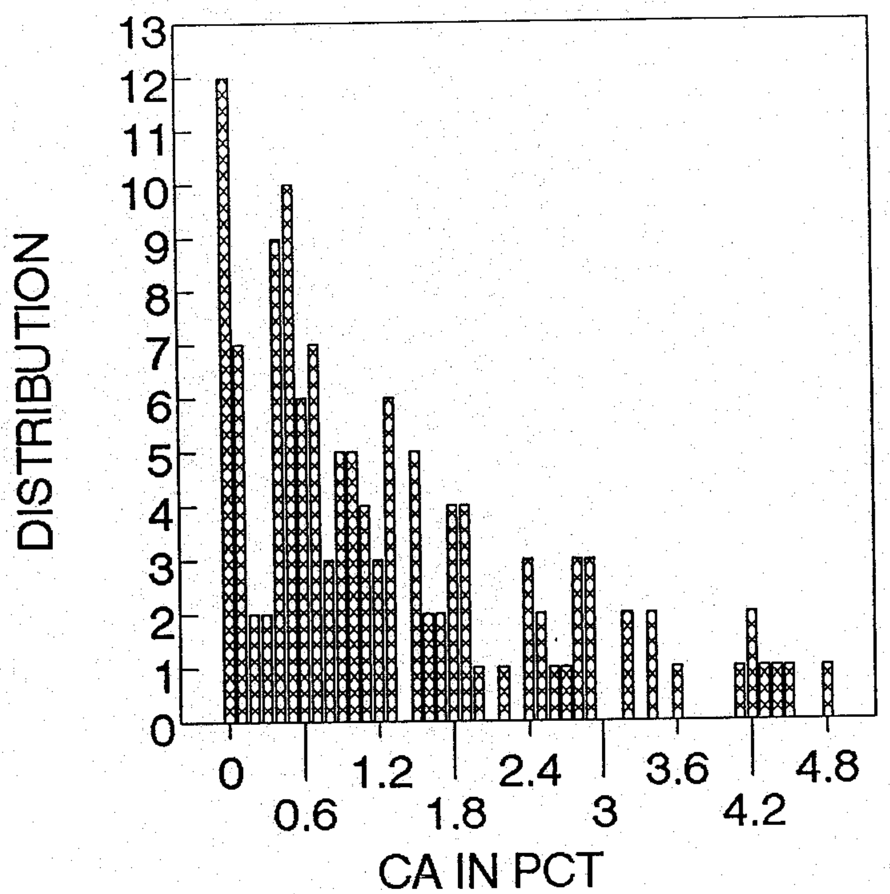
Statistical Analysis

Analysis of BA (PPM) from file IJVROCK.DBF

n =	126		
min =	0.000	St.Dev =	250.520
max =	1762.000	Var =	62760.051
x =	223.889	CV =	1.119
M =	150.500	90% =	537.000 (↕)
Q1 =	69.500	95% =	625.000 (▲)
Q3 =	281.500	98% =	797.000 (♦)



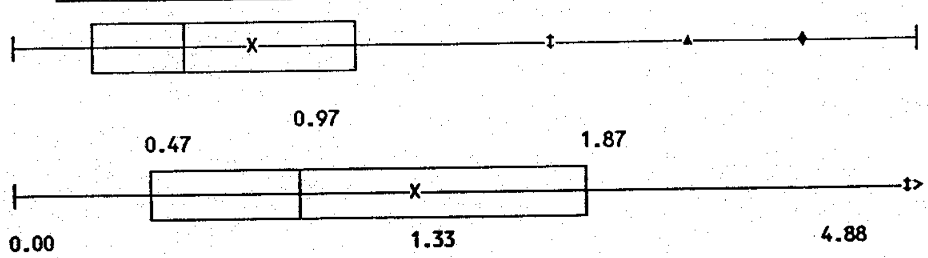
CA IN ROCK; ISKUT JV



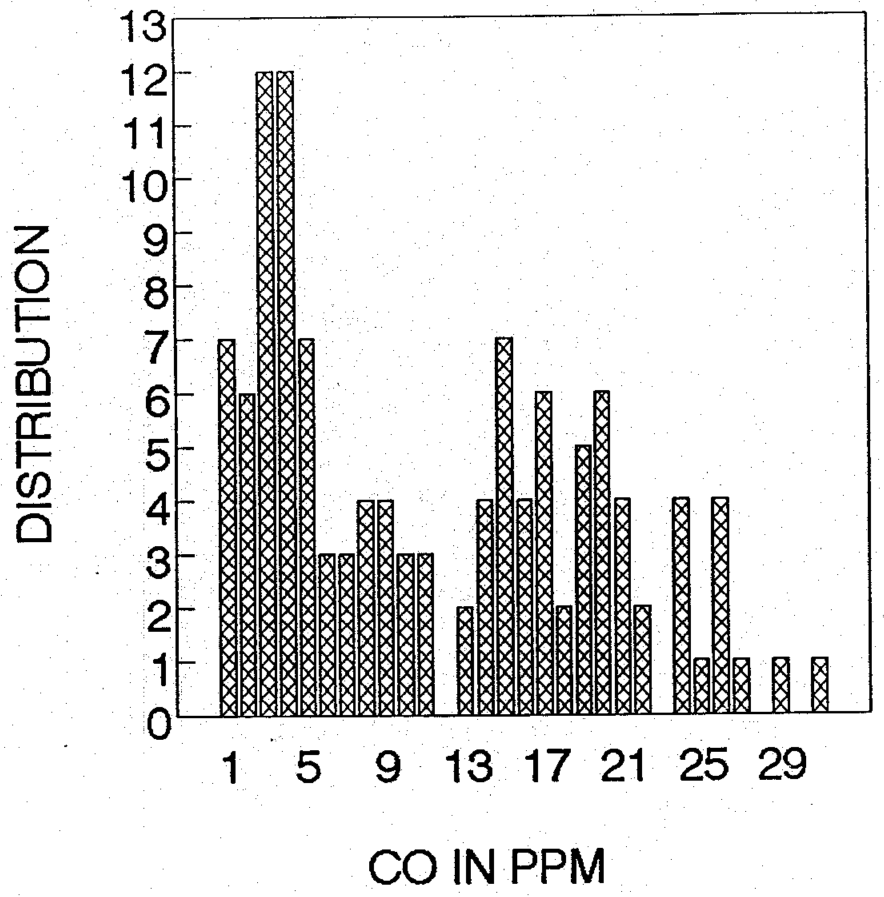
Statistical Analysis

Analysis of CA (PCT) from file IJVROCK.DBF

n =	126			
min =	0.000	St.Dev =	1.179	
max =	4.880	Var =	1.389	
x =	1.335	CV =	0.883	
M =	0.970	90% =	2.930	(‡)
Q1 =	0.470	95% =	3.670	(▲)
Q3 =	1.870	98% =	4.300	(♦)



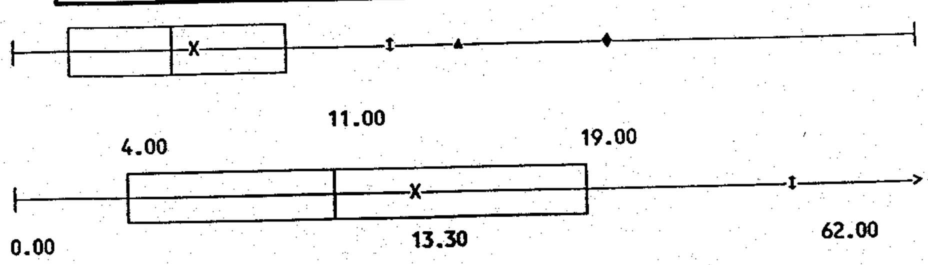
CO IN ROCK; ISKUT JV



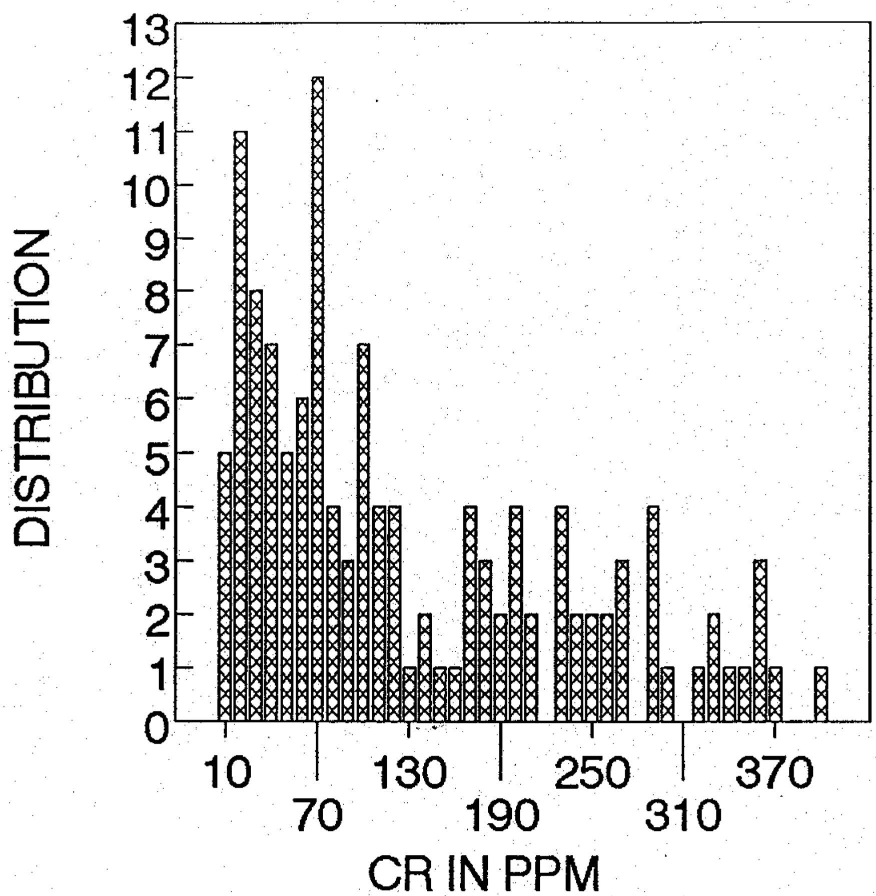
Statistical Analysis

Analysis of CO (PPM) from file IJVROCK.DBF

n =	126			
min =	0.000	St.Dev =	11.437	
max =	62.000	Var =	130.798	
x =	13.302	CV =	0.860	
M =	11.000	90% =	26.000	(‡)
Q1 =	4.000	95% =	31.000	(▲)
Q3 =	19.000	98% =	41.000	(♦)



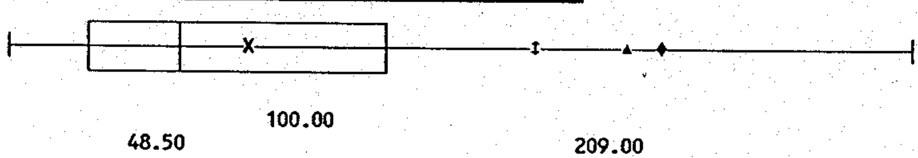
CR IN ROCK; ISKUT JV



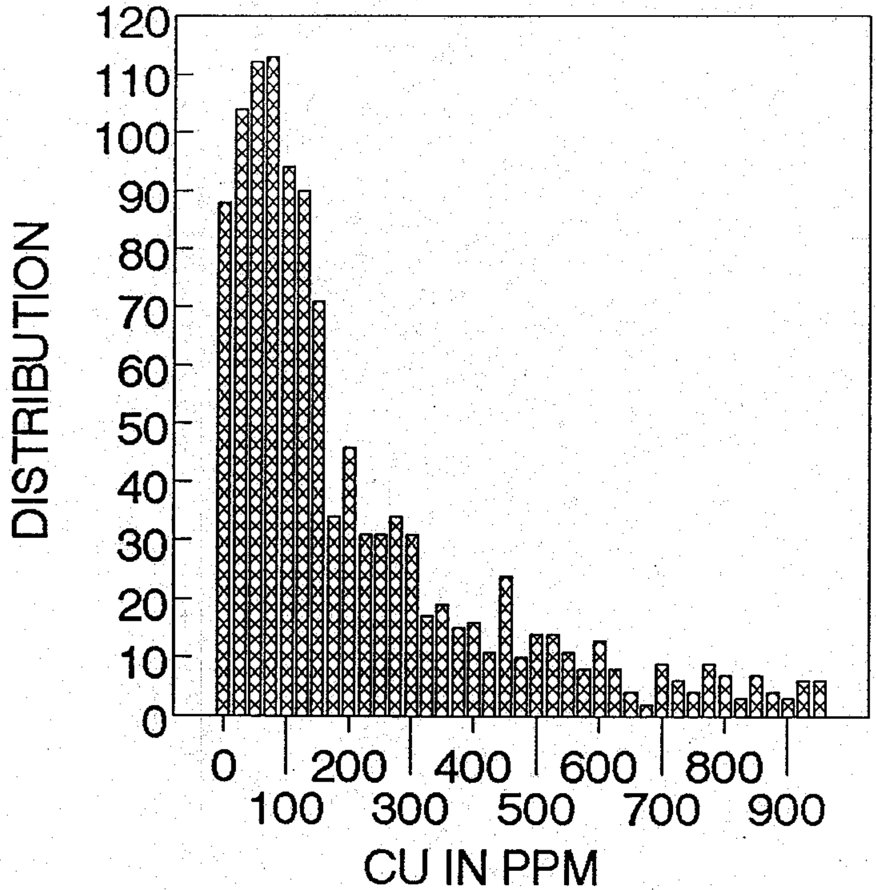
Statistical Analysis

Analysis of CR (PPM) from file IJVROCK.DBF

n =	126			
min =	0.000	St.Dev =	108.530	
max =	496.000	Var =	11778.762	
x =	137.127	CV =	0.791	
M =	100.000	90% =	292.000	(↕)
Q1 =	48.500	95% =	343.000	(▲)
Q3 =	209.000	98% =	361.000	(♦)



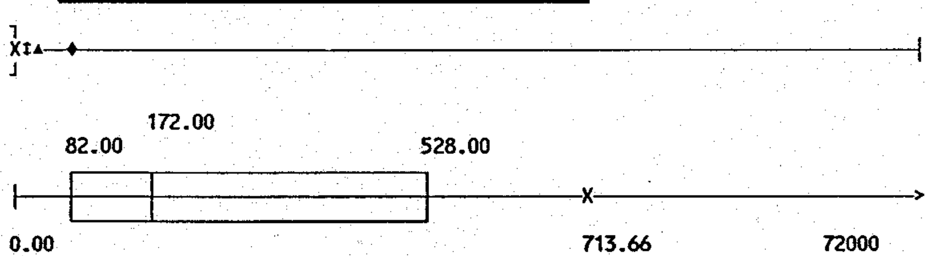
CU IN ROCK; ISKUT JV

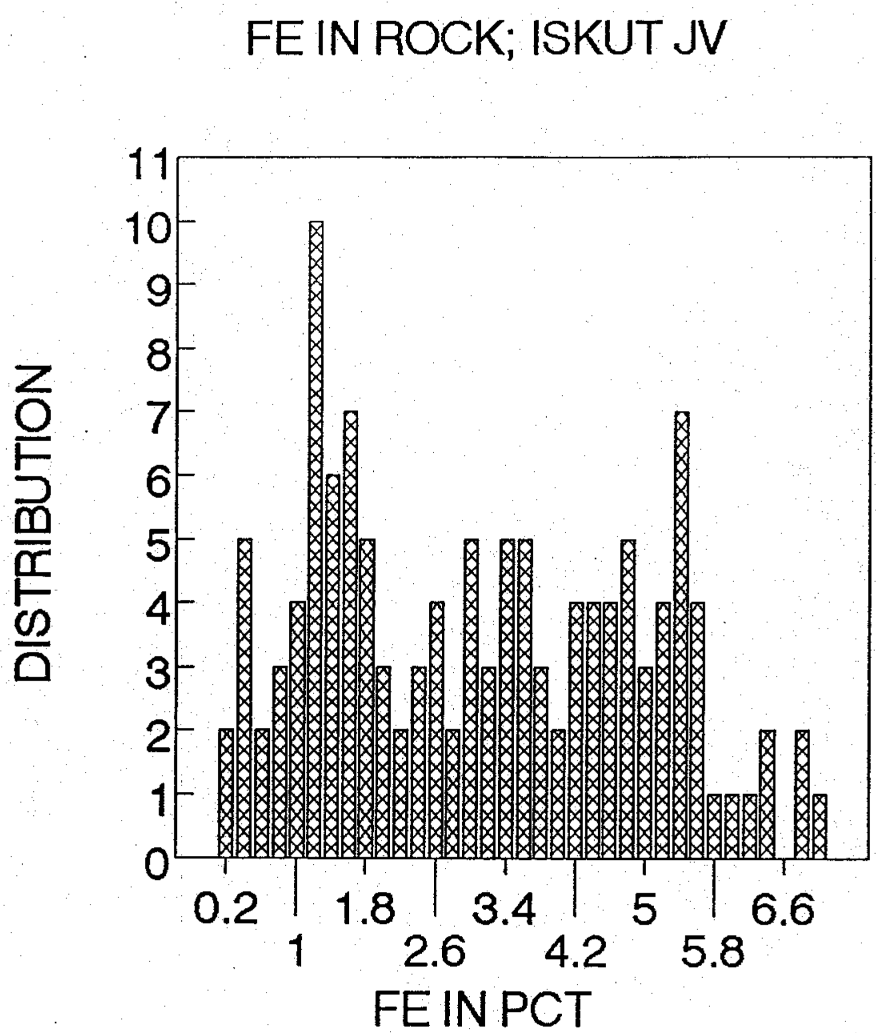


Statistical Analysis

Analysis of CU (PPM) from file IJVROCK.DBF

n =	1345		
min =	0.000	St.Dev =	2871.470
max =	72000.000	Var =	8245340.1
x =	713.659	CV =	4.024
M =	172.000	90% =	1500.000 (↕)
Q1 =	82.000	95% =	2400.000 (▲)
Q3 =	528.000	98% =	4600.000 (♦)

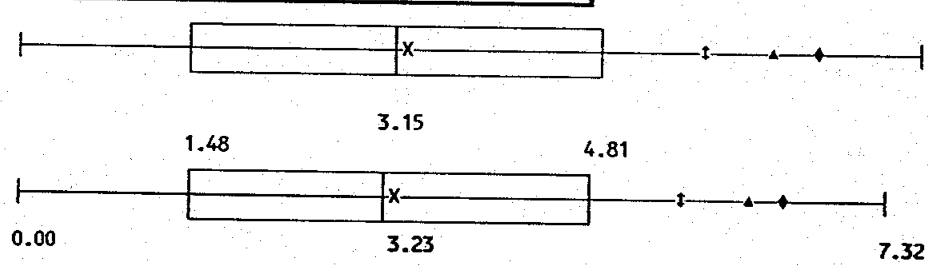


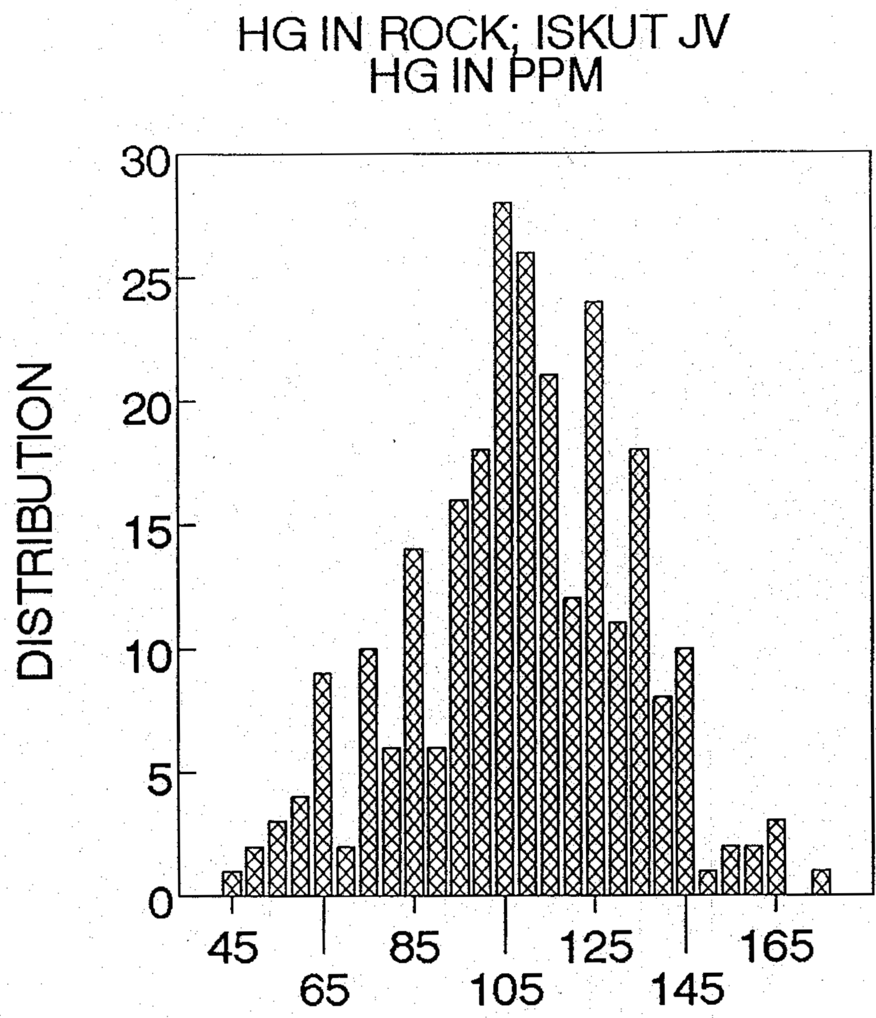


Statistical Analysis

Analysis of FE (PCT) from file IJVROCK.DBF

n =	126			
min =	0.000	St.Dev =	1.847	
max =	7.320	Var =	3.411	
x =	3.232	CV =	0.571	
M =	3.145	90% =	5.580	(‡)
Q1 =	1.480	95% =	6.160	(▲)
Q3 =	4.805	98% =	6.500	(♦)

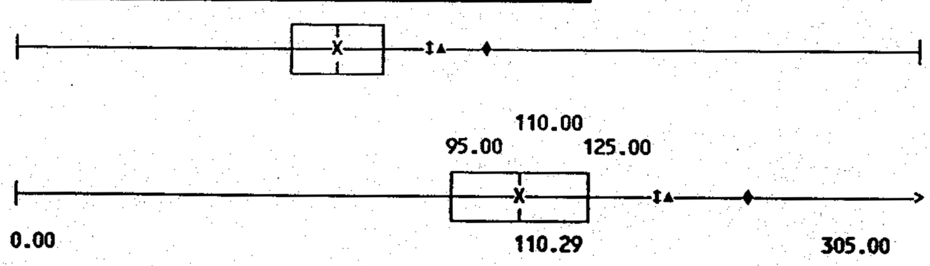




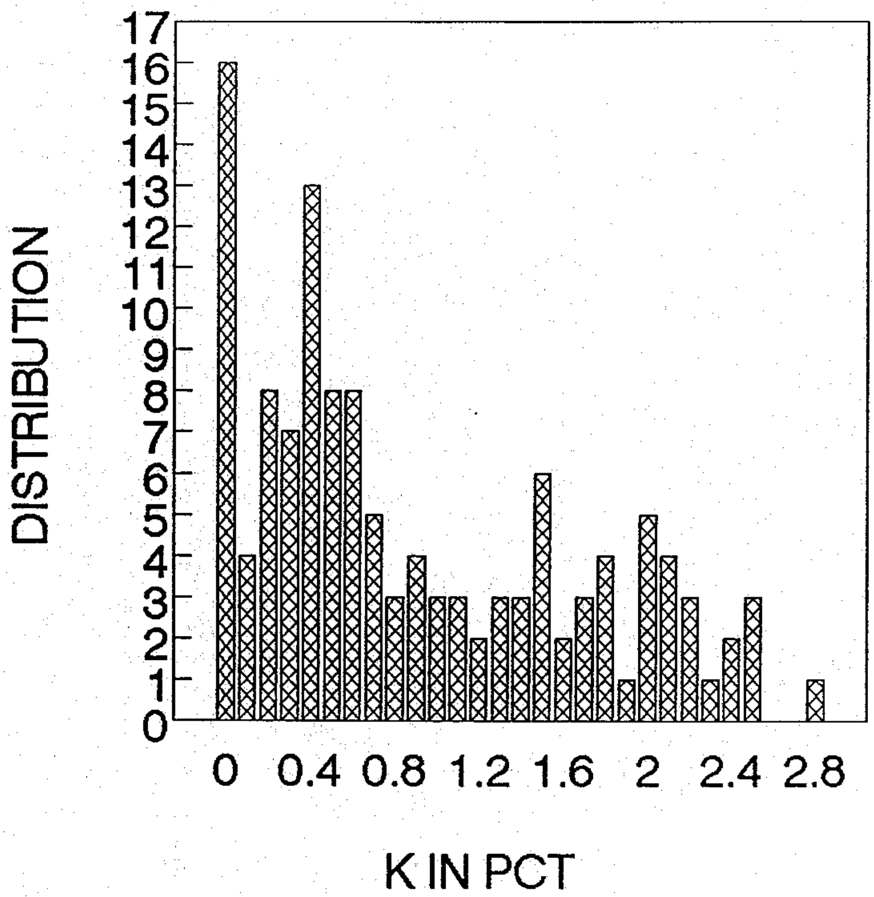
Statistical Analysis

Analysis of HG (PPM) from file IJVROCK.DBF

n =	262			
min =	0.000	St.Dev =	30.439	
max =	305.000	Var =	926.540	
x =	110.286	CV =	0.276	
M =	110.000	90% =	140.000	(↕)
Q1 =	95.000	95% =	145.000	(▲)
Q3 =	125.000	98% =	160.000	(♦)



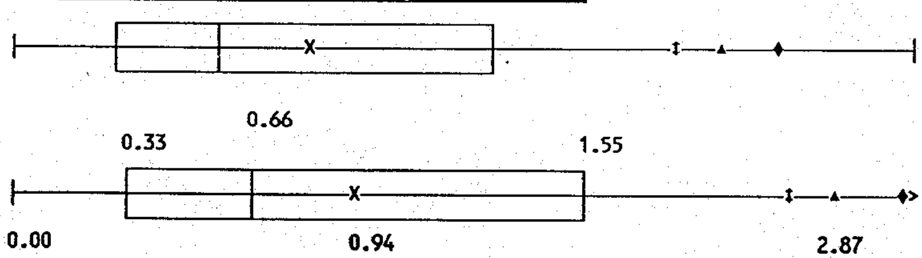
K IN ROCK; ISKUT JV

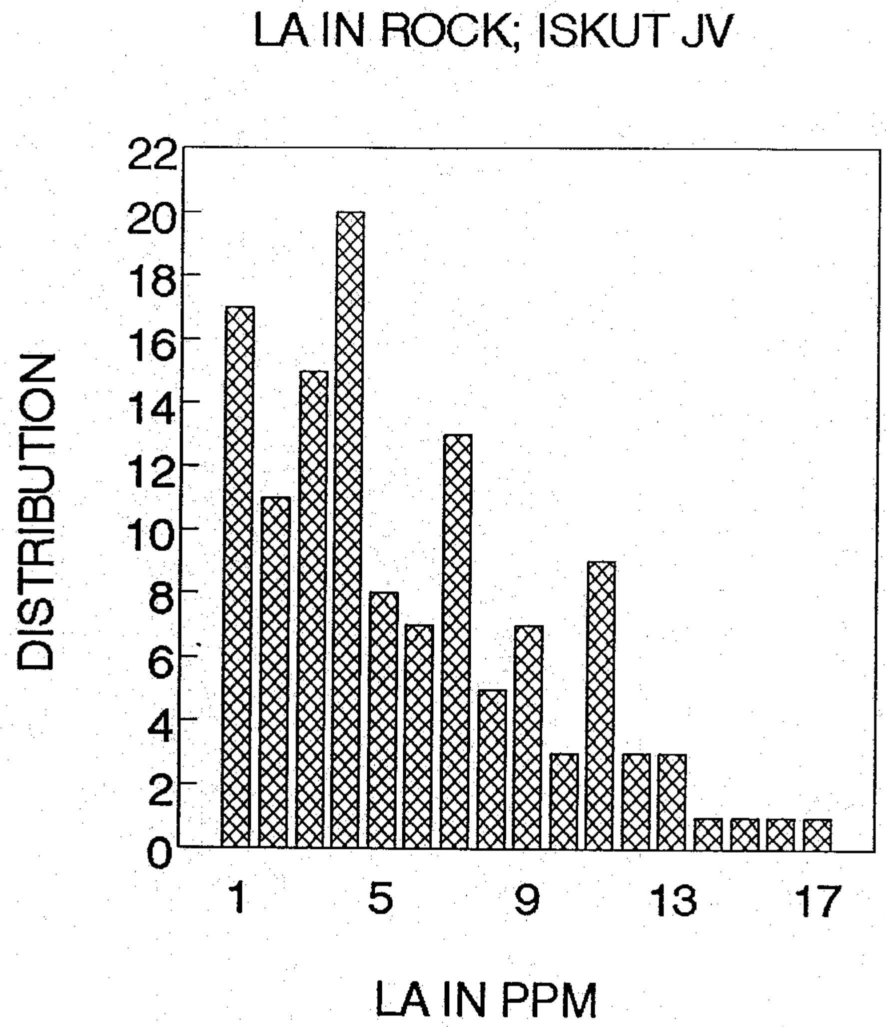


Statistical Analysis

Analysis of K (PCT) from file IJVROCK.DBF

n =	126			
min =	0.000	St.Dev =	0.768	
max =	2.870	Var =	0.589	
x =	0.945	CV =	0.813	
M =	0.660	90% =	2.130	(‡)
Q1 =	0.330	95% =	2.260	(▲)
Q3 =	1.550	98% =	2.440	(♦)

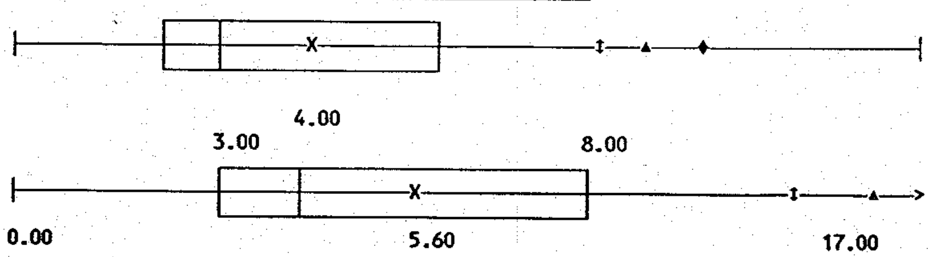




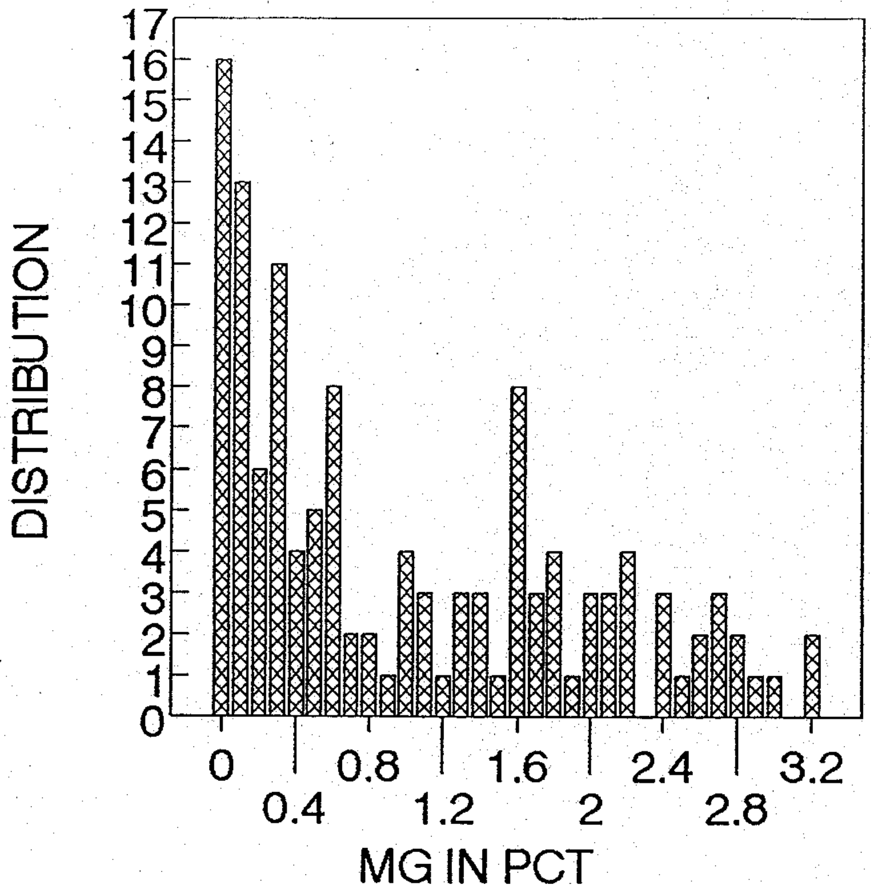
Statistical Analysis

Analysis of LA (PPM) from file IJVROCK.DBF

n =	126			
min =	0.000	St.Dev =	3.811	
max =	17.000	Var =	14.525	
x =	5.603	CV =	0.680	
M =	4.000	90% =	11.000	(↕)
Q1 =	3.000	95% =	12.000	(▲)
Q3 =	8.000	98% =	13.000	(♦)



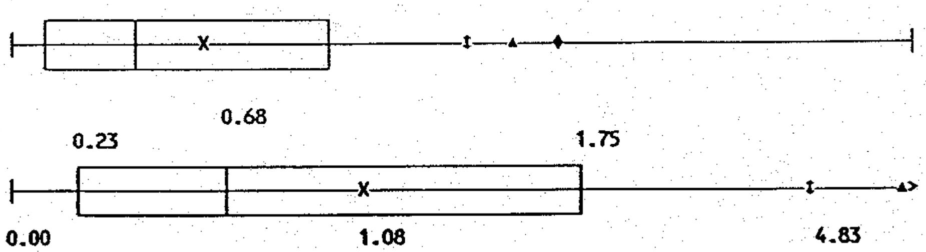
MG IN ROCK; ISKUT JV



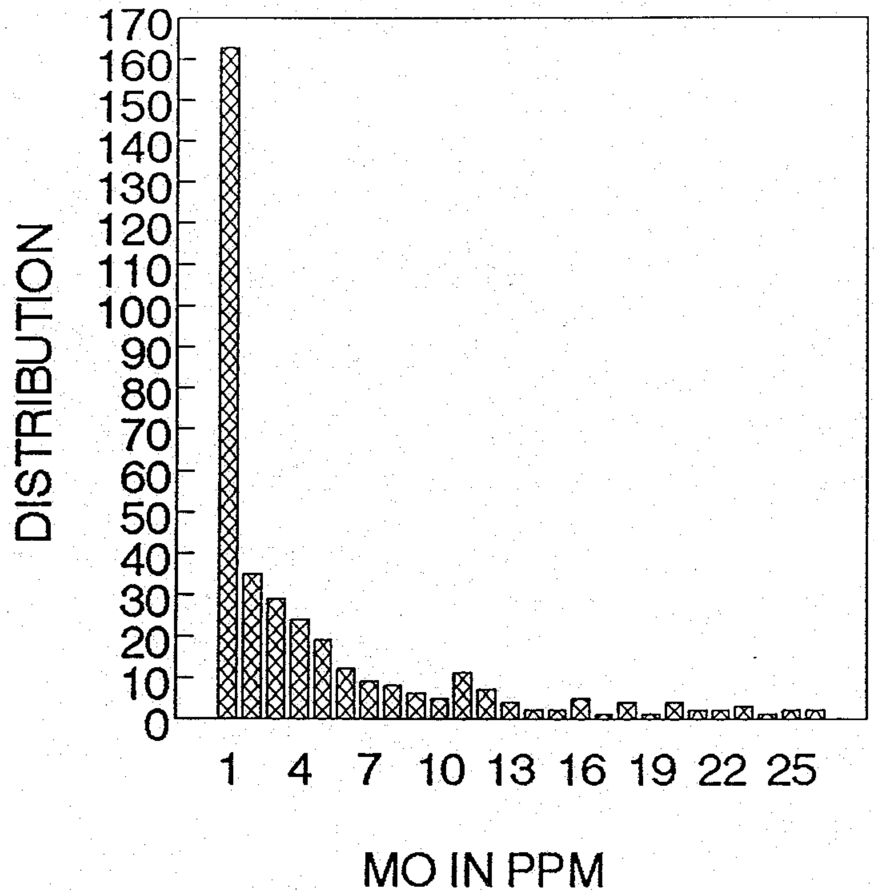
Statistical Analysis

Analysis of MG (PPM) from file IJVROCK.DBF

n =	126			
min =	0.000	St.Dev =	0.984	
max =	4.830	Var =	0.968	
x =	1.082	CV =	0.909	
M =	0.680	90% =	2.470	(‡)
Q1 =	0.230	95% =	2.750	(▲)
Q3 =	1.745	98% =	2.970	(♦)



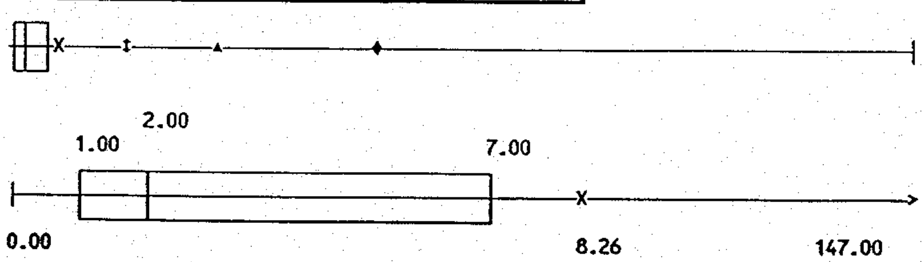
MO IN ROCK; ISKUT JV



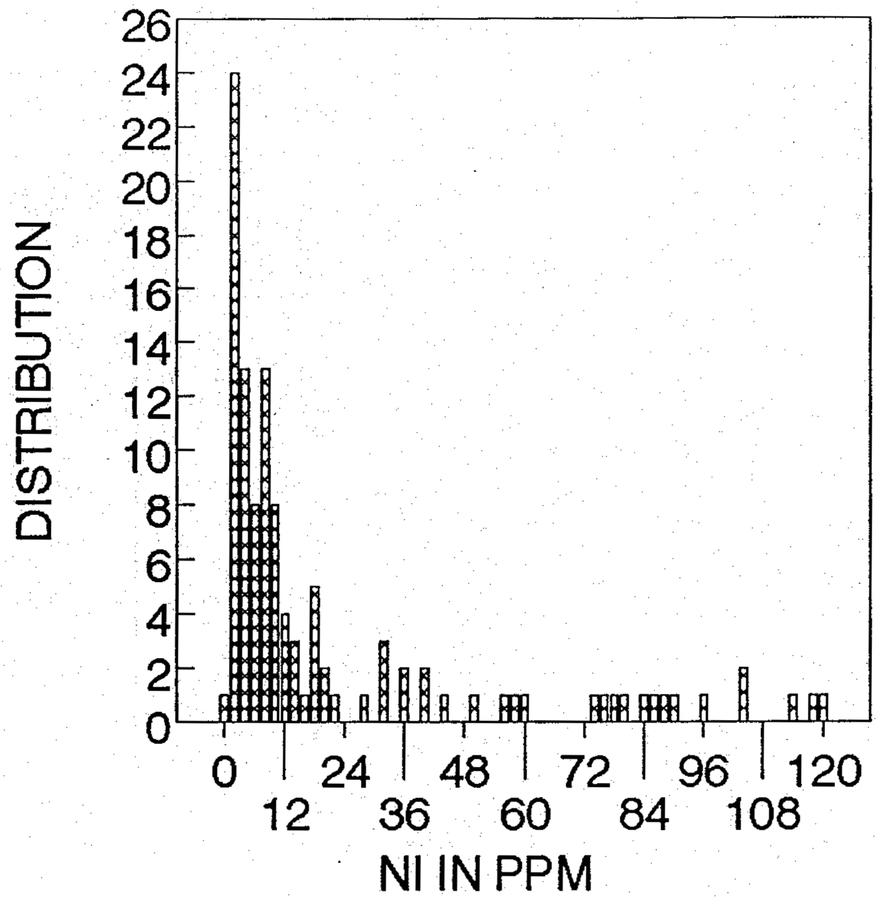
Statistical Analysis

Analysis of MO (PPM) from file IJVROCK.DBF

n =	387			
min =	0.000	St.Dev =	18.010	
max =	147.000	Var =	324.358	
x =	8.261	CV =	2.180	
M =	2.000	90% =	19.000	(I)
Q1 =	1.000	95% =	34.000	(▲)
Q3 =	7.000	98% =	60.000	(♦)



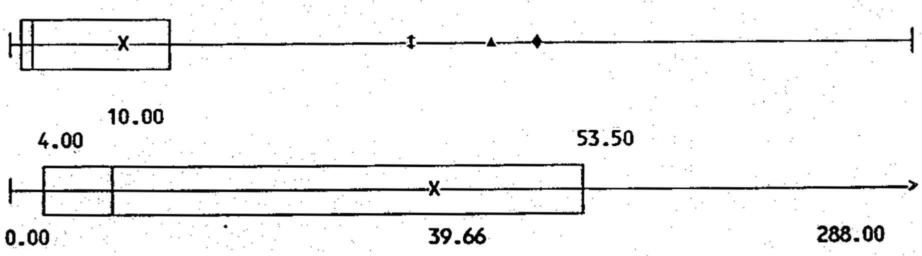
NI IN ROCK; ISKUT JV



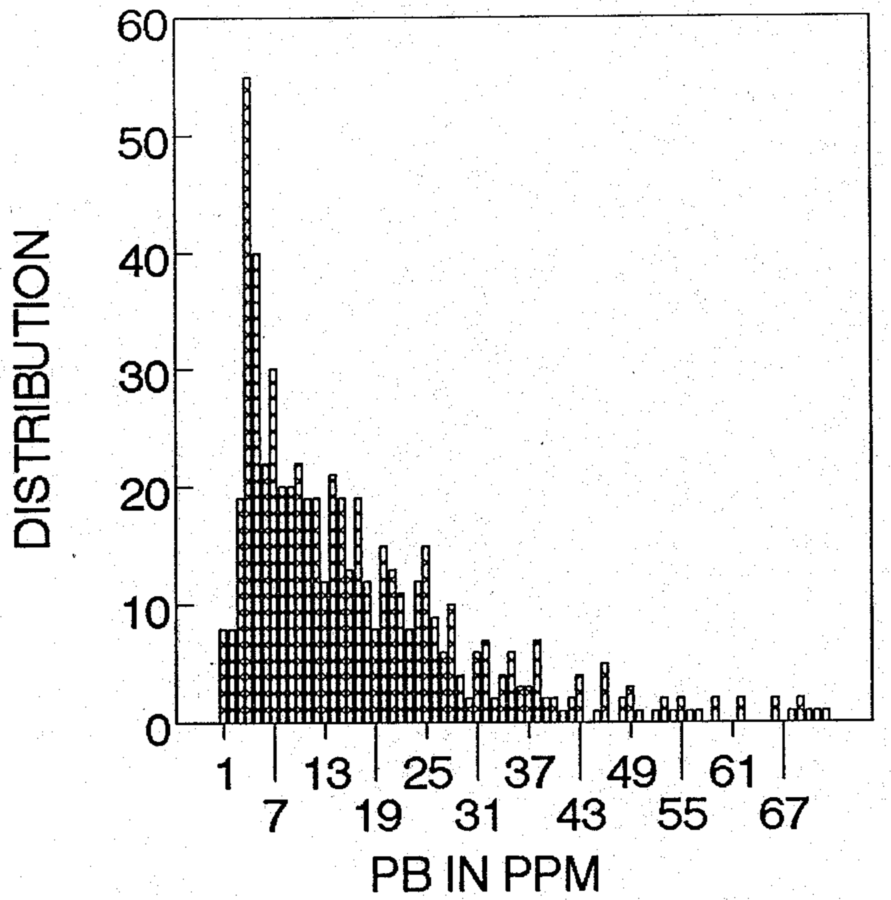
Statistical Analysis

Analysis of NI (PPM) from file IJVROCK.DBF

n =	126			
min =	0.000	St.Dev =	56.383	
max =	288.000	Var =	3179.066	
x =	39.659	CV =	1.422	
M =	10.000	90% =	129.000	(‡)
Q1 =	4.000	95% =	155.000	(▲)
Q3 =	53.500	98% =	169.000	(♦)

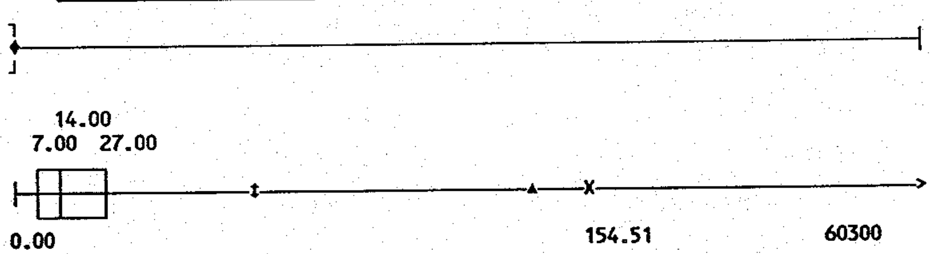


PB IN ROCK; ISKUT JV

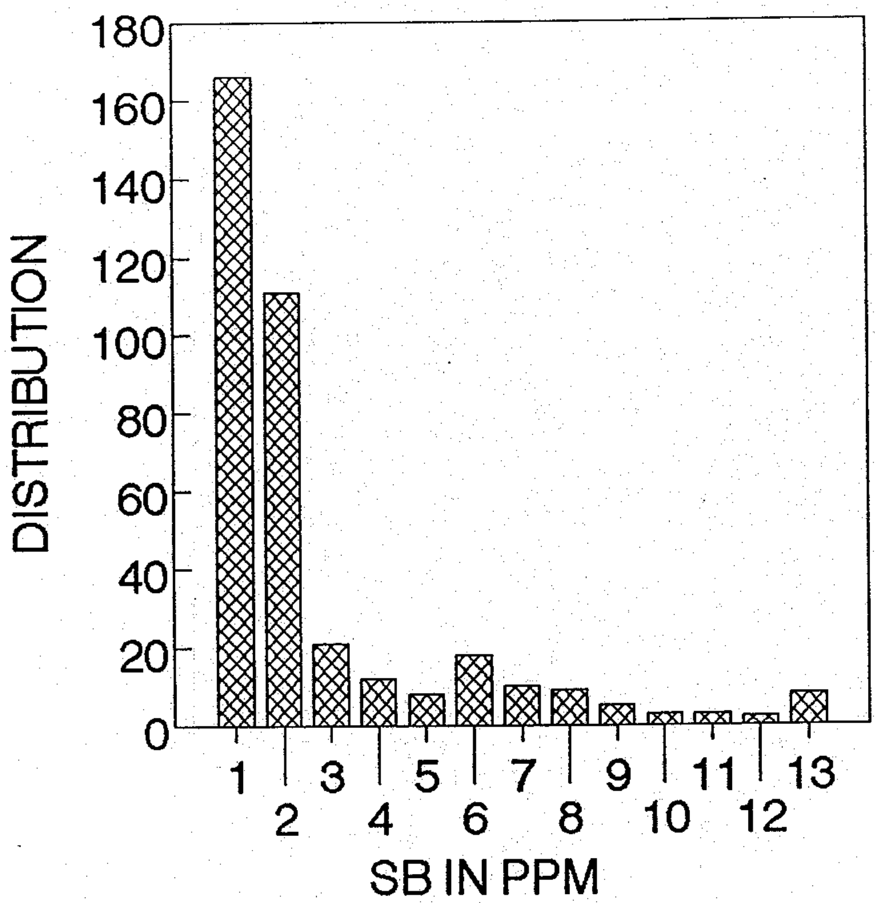


Analysis of PB (PPM) from file IJVROCK.DBF

n =	631			
min =	0.000	St.Dev =	2426.389	
max =	60300.000	Var =	5887362.2	
x =	154.509	CV =	15.704	
M =	14.000	90% =	66.000	(‡)
Q1 =	7.000	95% =	142.000	(▲)
Q3 =	27.000	98% =	349.000	(♦)



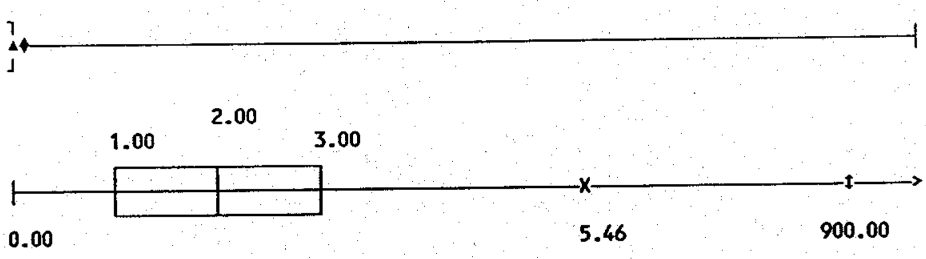
SB IN ROCK; ISKUT JV



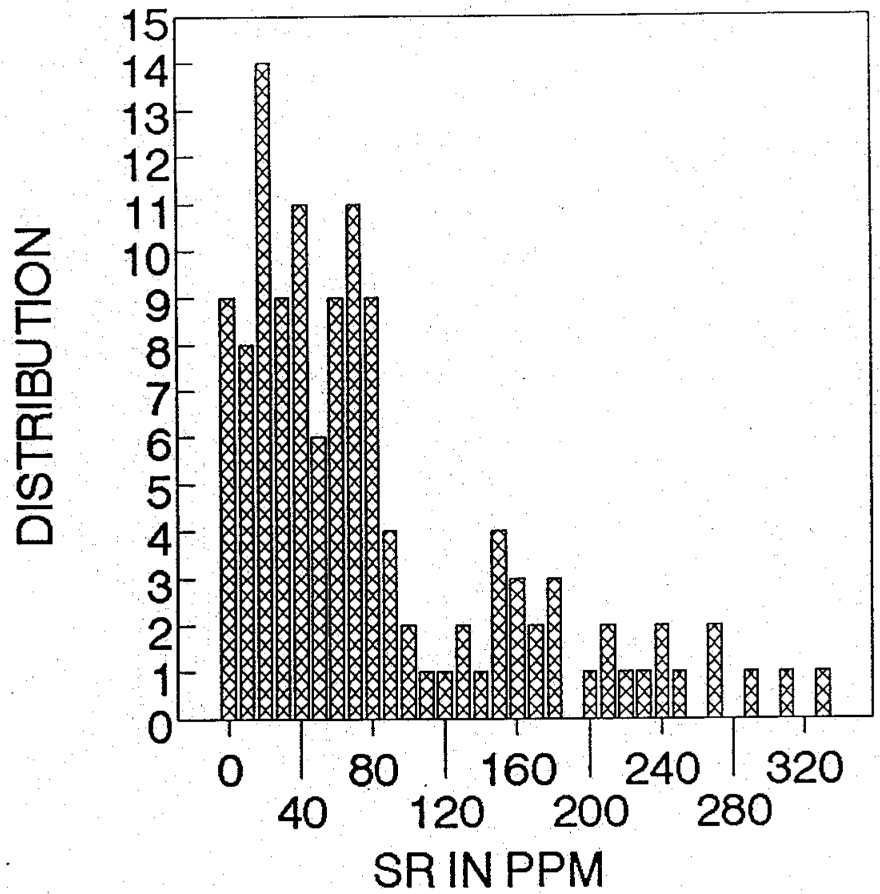
Statistical Analysis

Analysis of SB (PPM) from file IJVROCK.DBF

n =	387		
min =	0.000	St.Dev =	45.699
max =	900.000	Var =	2088.398
x =	5.463	CV =	8.366
M =	2.000	90% =	8.000 (‡)
Q1 =	1.000	95% =	11.000 (▲)
Q3 =	3.000	98% =	15.000 (♦)



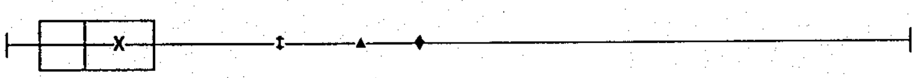
SR IN ROCK; ISKUT JV

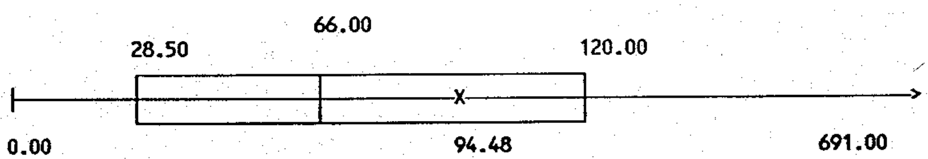


Statistical Analysis

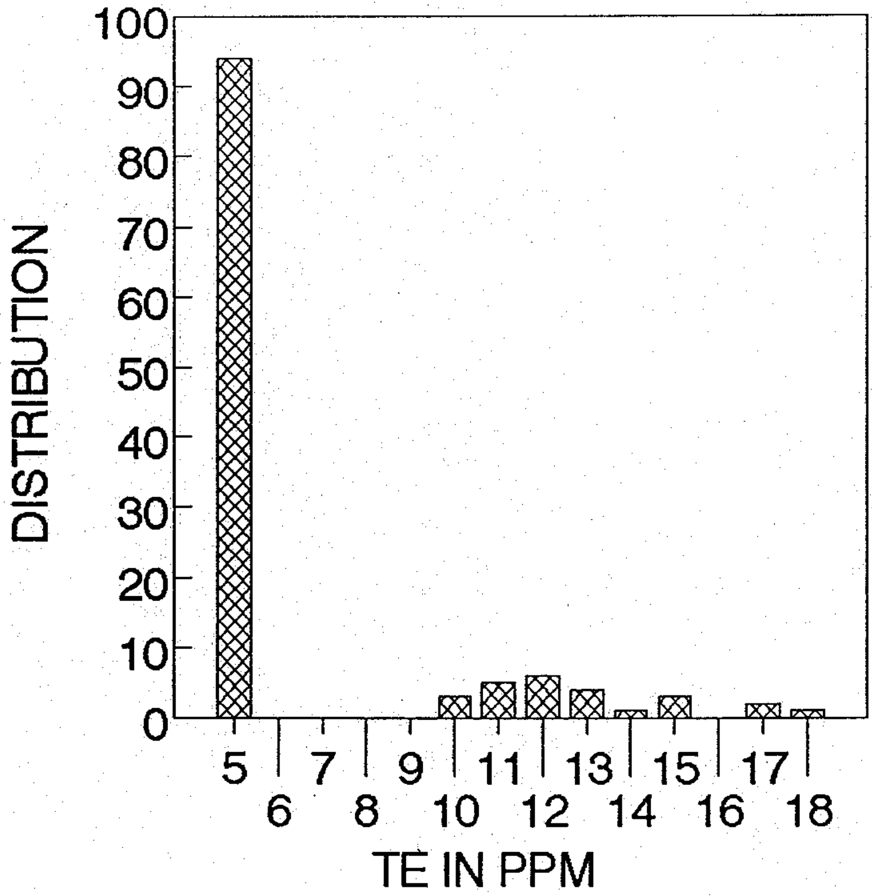
Analysis of SR (PPM) from file IJVROCK.DBF

n =	126		
min =	0.000	St.Dev =	101.823
max =	691.000	Var =	10367.932
x =	94.484	CV =	1.078
M =	66.000	90% =	217.000 (↕)
Q1 =	28.500	95% =	272.000 (▲)
Q3 =	120.000	98% =	315.000 (♦)





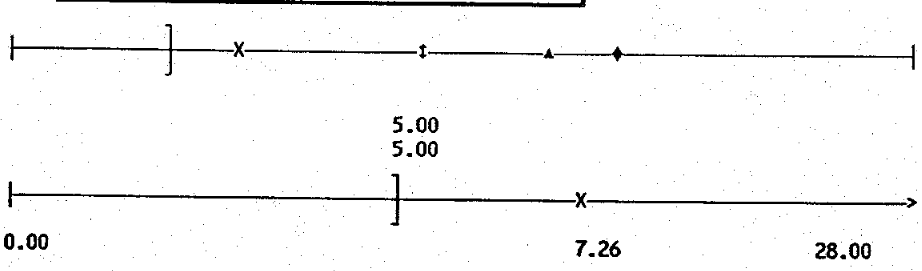
TE IN ROCK; ISKUT JV



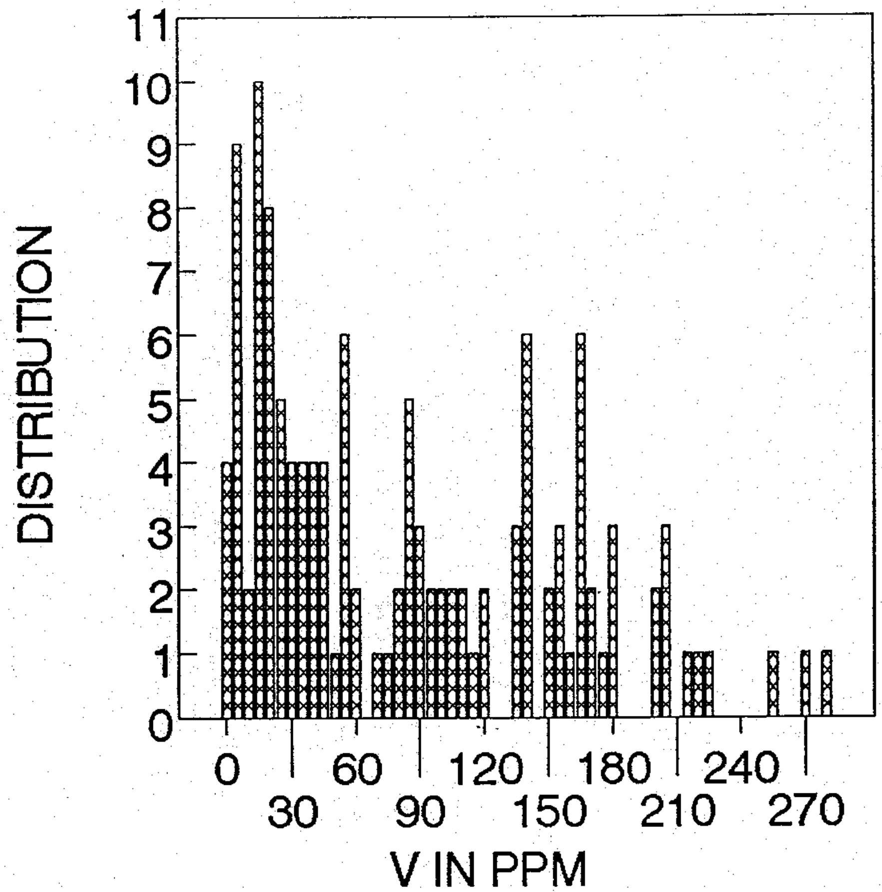
Statistical Analysis

Analysis of TE (PPM) from file IJVROCK.DBF

n =	126			
min =	0.000	St.Dev =	4.536	
max =	28.000	Var =	20.574	
x =	7.262	CV =	0.625	
M =	5.000	90% =	13.000	(↕)
Q1 =	5.000	95% =	17.000	(▲)
Q3 =	5.000	98% =	19.000	(♦)



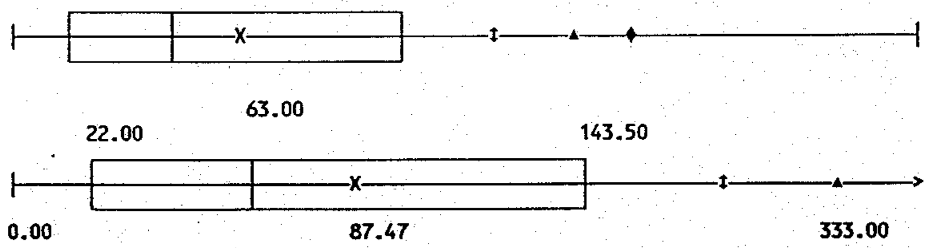
V IN ROCK; ISKUT JV



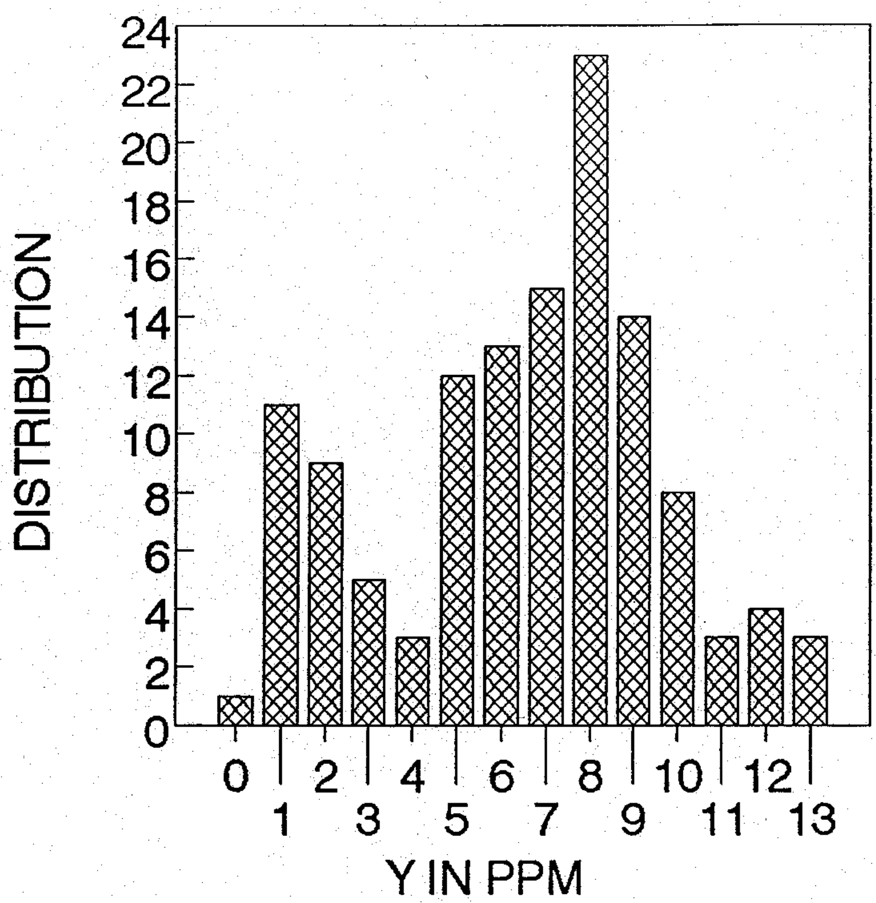
Statistical Analysis

Analysis of V (PPM) from file IJVROCK.DBF

n =	126			
min =	0.000	St.Dev =	73.836	
max =	333.000	Var =	5451.757	
x =	87.468	CV =	0.844	
M =	63.000	90% =	180.000	(↕)
Q1 =	22.000	95% =	207.000	(▲)
Q3 =	143.500	98% =	229.000	(♦)



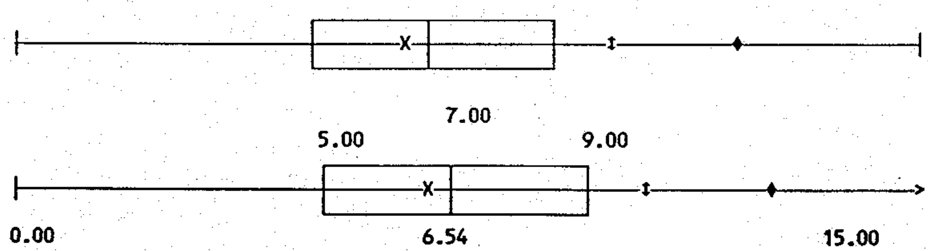
Y IN ROCK; ISKUT JV



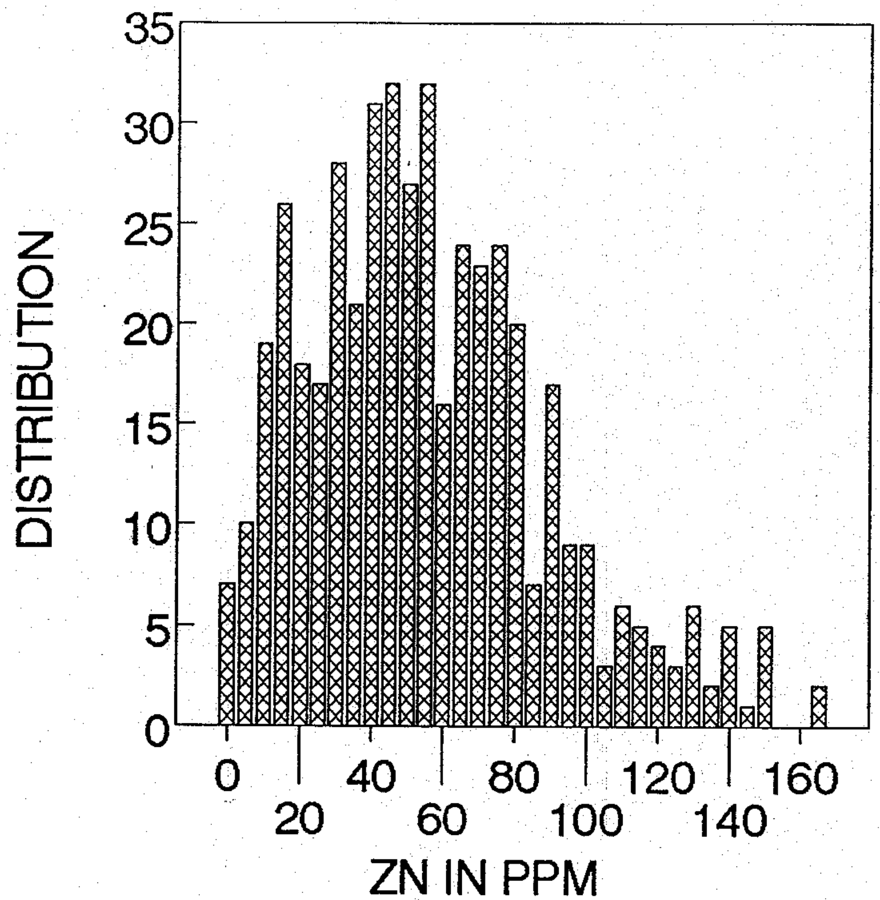
Statistical Analysis

Analysis of Y (PPM) from file IJVROCK.DBF

n =	126			
min =	0.000	St.Dev =	3.251	
max =	15.000	Var =	10.566	
x =	6.540	CV =	0.497	
M =	7.000	90% =	10.000	(↕)
Q1 =	5.000	95% =	12.000	(▲)
Q3 =	9.000	98% =	12.000	(♦)



ZN IN ROCK; ISKUT JV

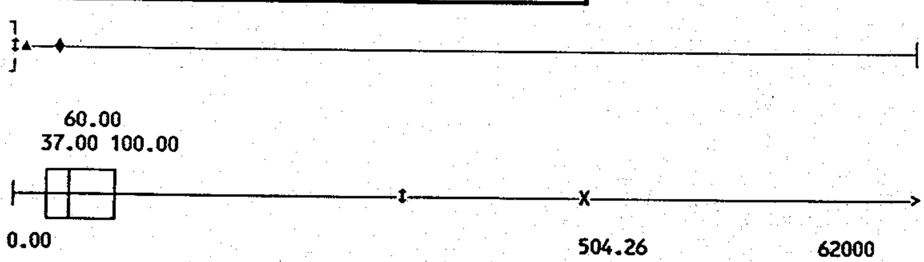


Statistical Analysis

Analysis of ZN (PPM) from file IJVROCK.DBF

```
  n =       548
min =     0.000      St.Dev = 3400.601
max =62000.000          Var = 11564089
  x =   504.263          CV  =    6.744

  M =    60.000      90% =  344.000  (‡)
 Q1 =    37.000      95% = 1007.000  (▲)
 Q3 =   100.000      98% = 3400.000  (♦)
```



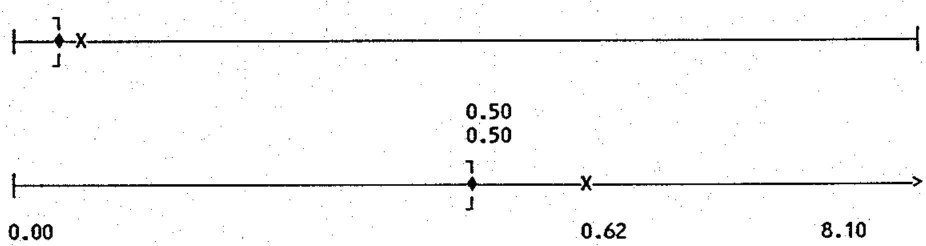
Statistical Analysis

Analysis of BI (PPM) from file IJVROCK.DBF

n =	126			
min =	0.000	St.Dev =	1.290	
max =	14.000	Var =	1.665	
x =	2.222	CV =	0.581	
M =	2.000	90% =	2.000	(‡)
Q1 =	2.000	95% =	2.000	(▲)
Q3 =	2.000	98% =	5.000	(♦)

Analysis of CD (PPM) from file IJVROCK.DBF

n =	126			
min =	0.000	St.Dev =	0.900	
max =	8.100	Var =	0.809	
x =	0.623	CV =	1.444	
M =	0.500	90% =	0.500	(‡)
Q1 =	0.500	95% =	0.500	(▲)
Q3 =	0.500	98% =	0.500	(♦)



Statistical Analysis

Analysis of SN (PPM) from file IJVROCK.DBF

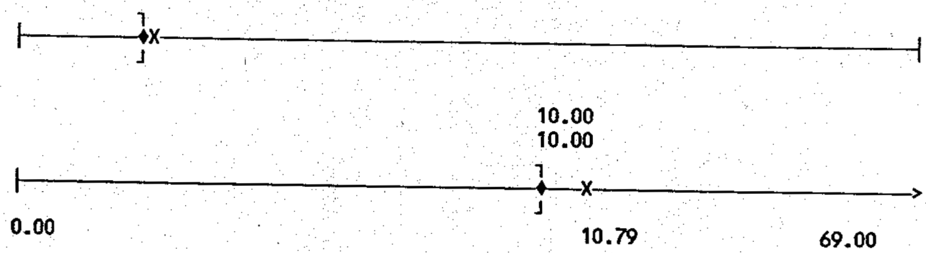
n =	126			
min =	0.000	St.Dev =	0.887	
max =	10.000	Var =	0.787	
x =	9.921	CV =	0.089	
M =	10.000	90% =	10.000	(‡)
Q1 =	10.000	95% =	10.000	(▲)
Q3 =	10.000	98% =	10.000	(♦)

INSUFFICIENT SAMPLE POPULATION FOR MEANINGFUL PLOT

Statistical Analysis

Analysis of W (PPM) from file IJVROCK.DBF

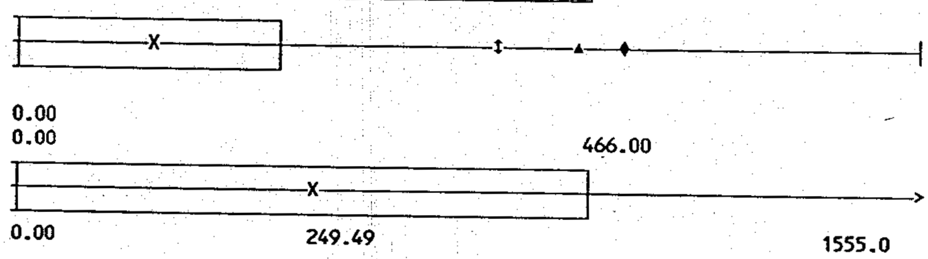
n =	126			
min =	0.000	St.Dev =	6.176	
max =	69.000	Var =	38.148	
x =	10.794	CV =	0.572	
M =	10.000	90% =	10.000	(↕)
Q1 =	10.000	95% =	10.000	(▲)
Q3 =	10.000	98% =	10.000	(♦)



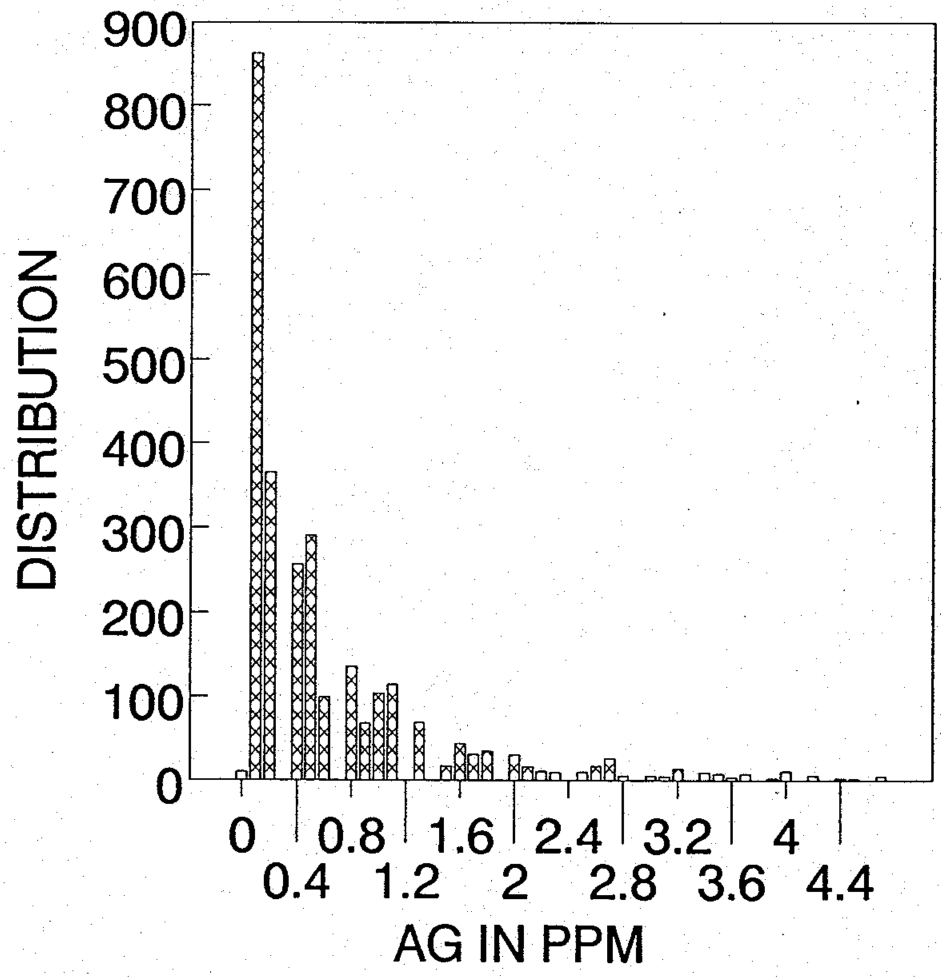
Statistical Analysis

Analysis of MN (PCT) from file IJVROCK.DBF

n =	126			
min =	0.000	St.Dev =	366.484	
max =	1555.000	Var =	134310.39	
x =	249.492	CV =	1.469	
M =	0.000	90% =	842.000	(↕)
Q1 =	0.000	95% =	968.000	(▲)
Q3 =	466.000	98% =	1061.000	(♦)



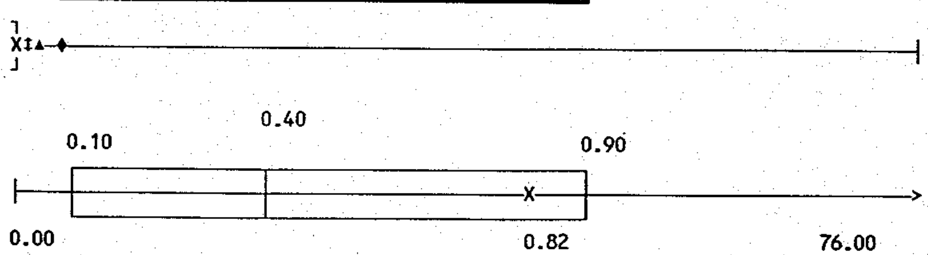
AG IN SOIL; ISKUT JV



Analysis of AG (PPM) from file IJVSOIL.DBF

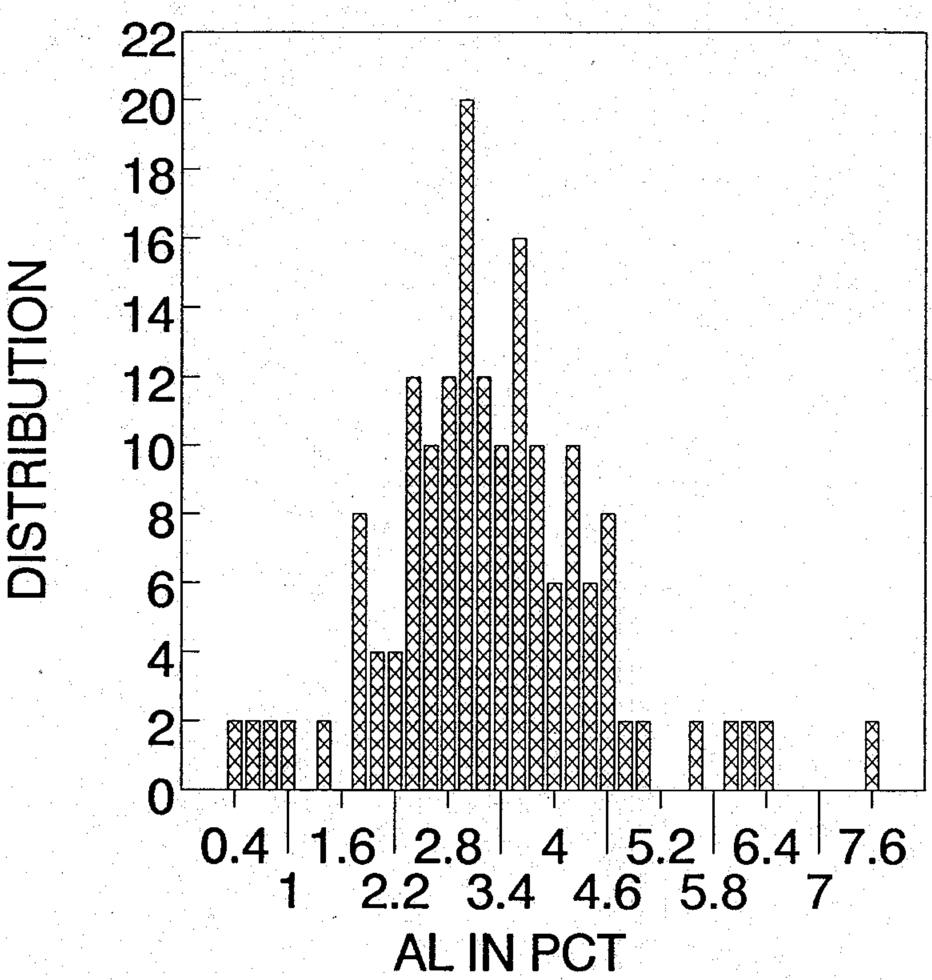
```
  n =     2749
min =    0.000      St.Dev =     1.962
max =   76.000         Var =     3.849
  x =    0.823         CV  =     2.385

  M =    0.400      90% =     1.800  (‡)
 Q1 =    0.100      95% =     2.800  (▲)
 Q3 =    0.900      98% =     4.600  (♦)
```



<C> to continue (any other key to exit)   [PrtSc] to Print

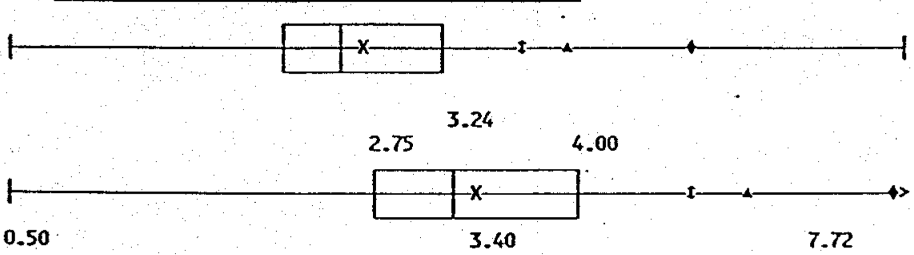
AL IN SOIL; ISKUT JV



Statistical Analysis

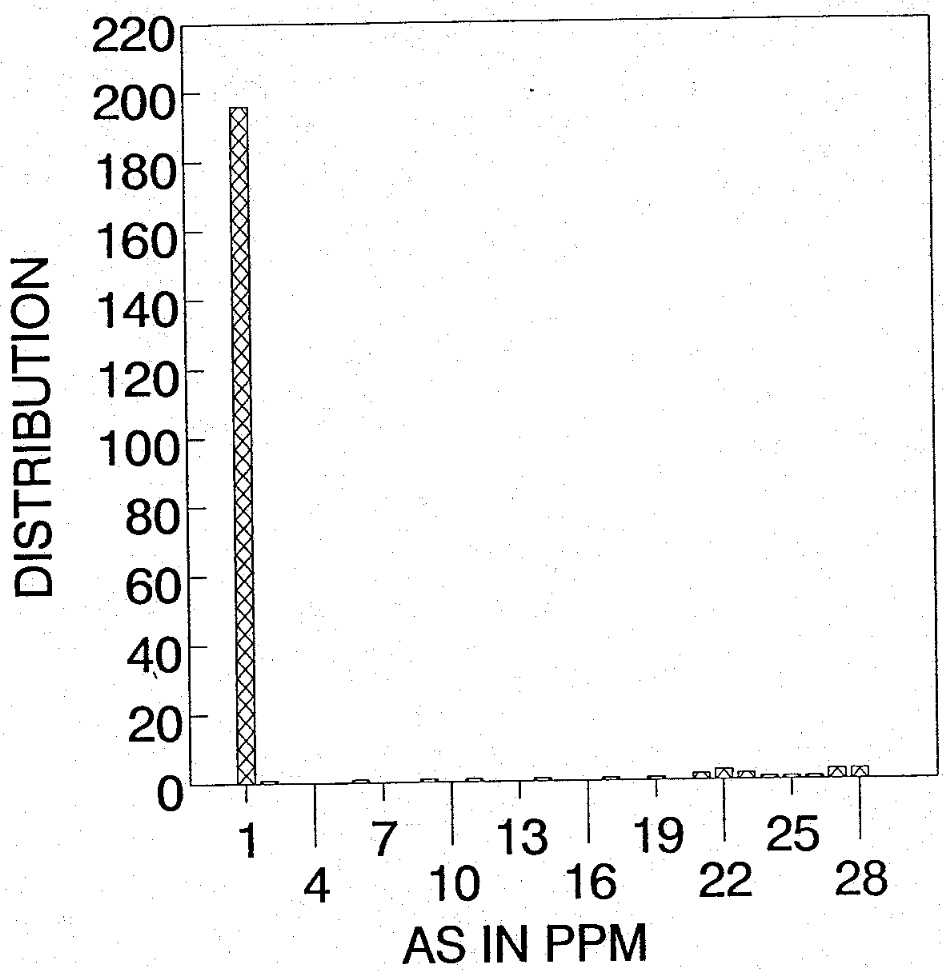
Analysis of AL (PCT) from file IJVSOIL.DBF

n =	86			
min =	0.500	St.Dev =	1.225	
max =	7.720	Var =	1.501	
x =	3.400	CV =	0.360	
M =	3.235	90% =	4.700	(↕)
Q1 =	2.745	95% =	5.050	(▲)
Q3 =	3.995	98% =	6.010	(♦)



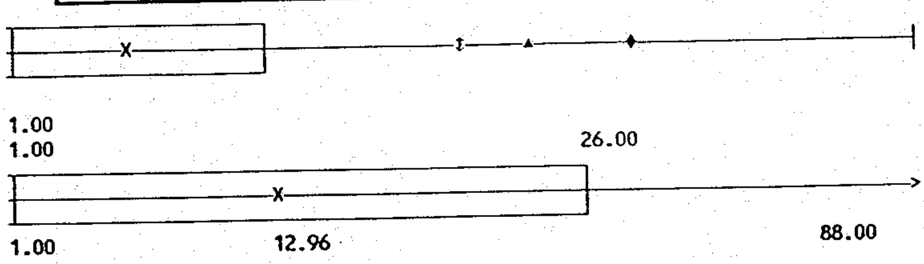
<C> to continue (any other key to exit) [PrtSc] to Print

AS IN SOIL; ISKUT JV

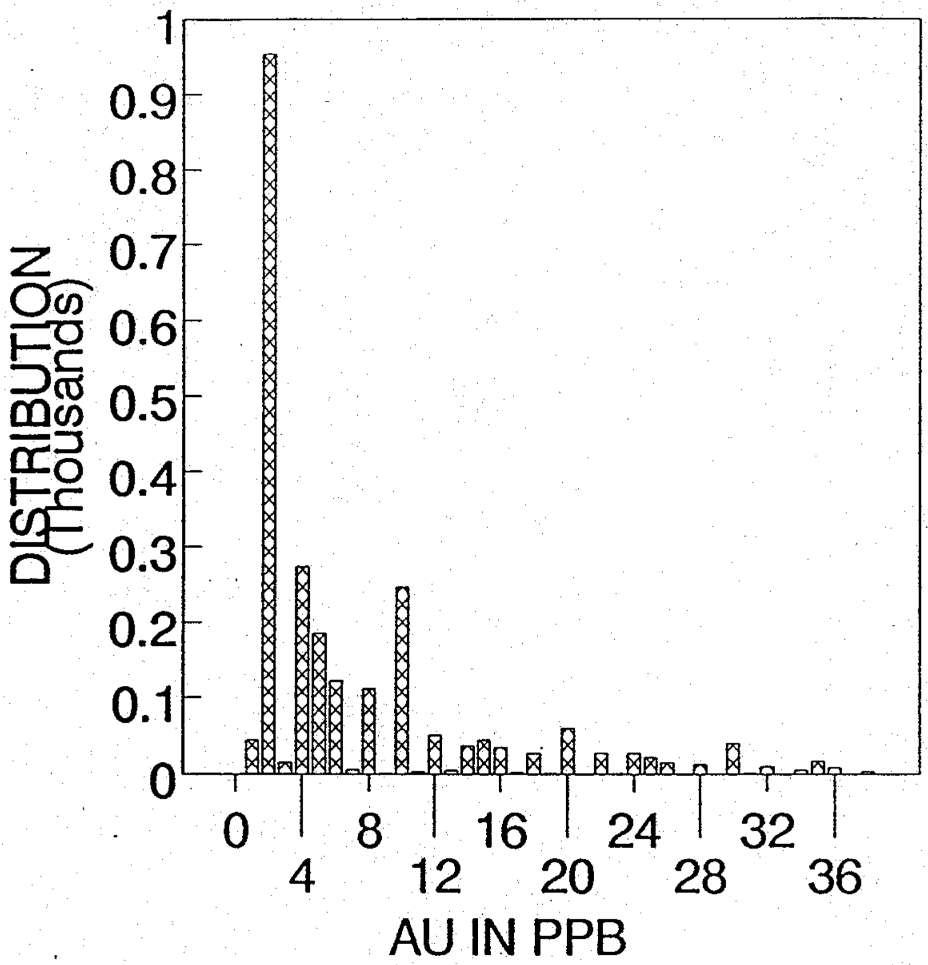


Analysis of AS (PPM) from file IJVSOIL.DBF

n =	284			
min =	1.000	St.Dev =	19.983	
max =	88.000	Var =	399.302	
x =	12.965	CV =	1.541	
M =	1.000	90% =	45.000	(↕)
Q1 =	1.000	95% =	51.000	(▲)
Q3 =	26.000	98% =	61.000	(♦)

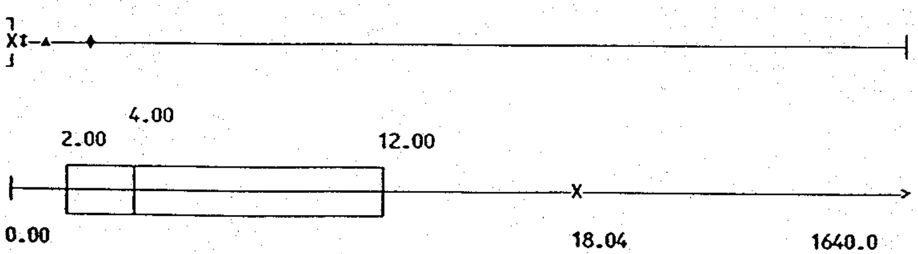


AU IN SOIL; ISKUT JV

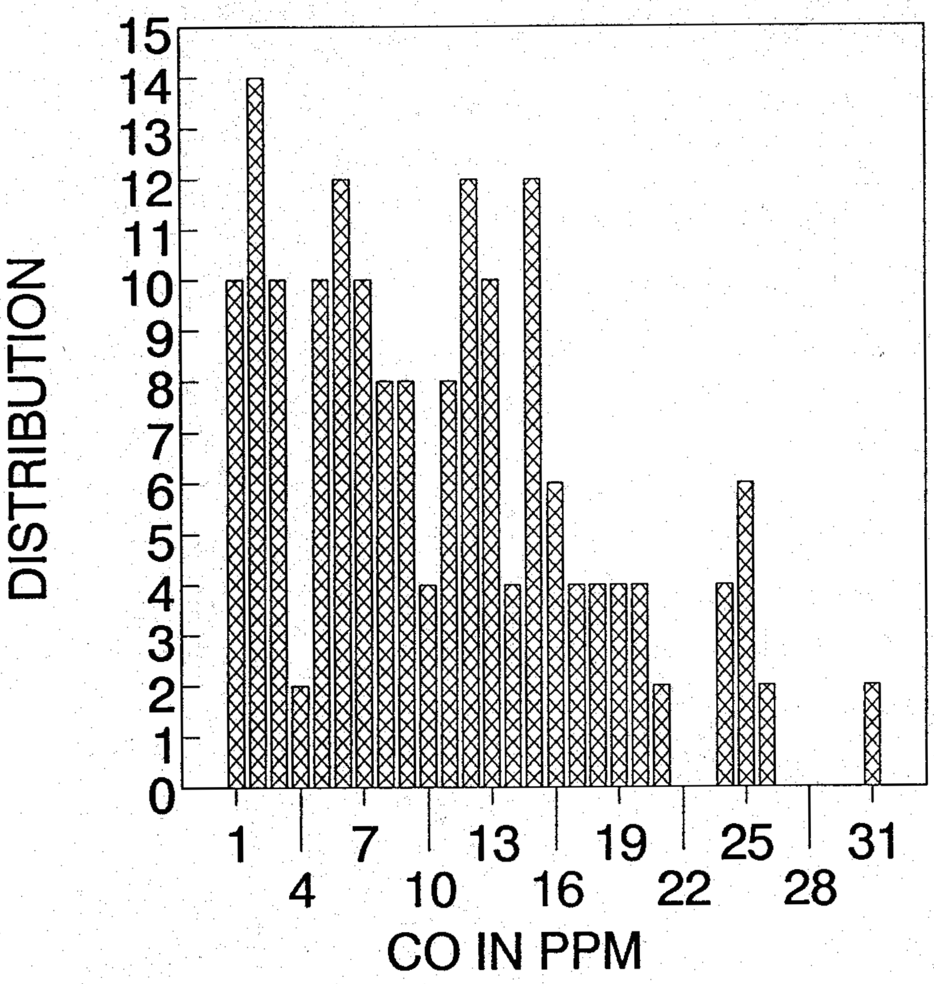


Filename: IJVSOIL
Analysis of AU (PPB) from file IJVSOIL.DBF

n =	3156			
min =	0.000	St.Dev =	55.484	
max =	1640.000	Var =	3078.467	
x =	18.039	CV =	3.076	
M =	4.000	90% =	40.000	(I)
Q1 =	2.000	95% =	78.000	(▲)
Q3 =	12.000	98% =	150.000	(♦)

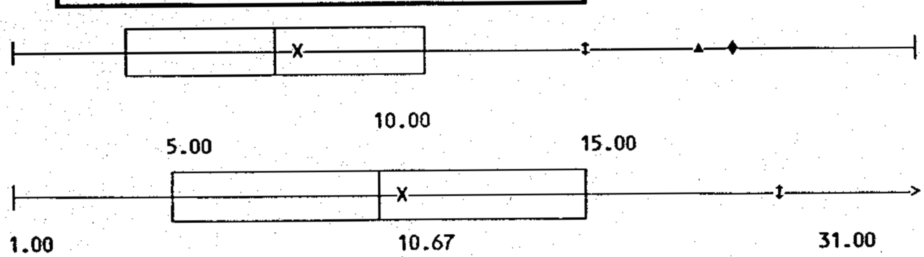


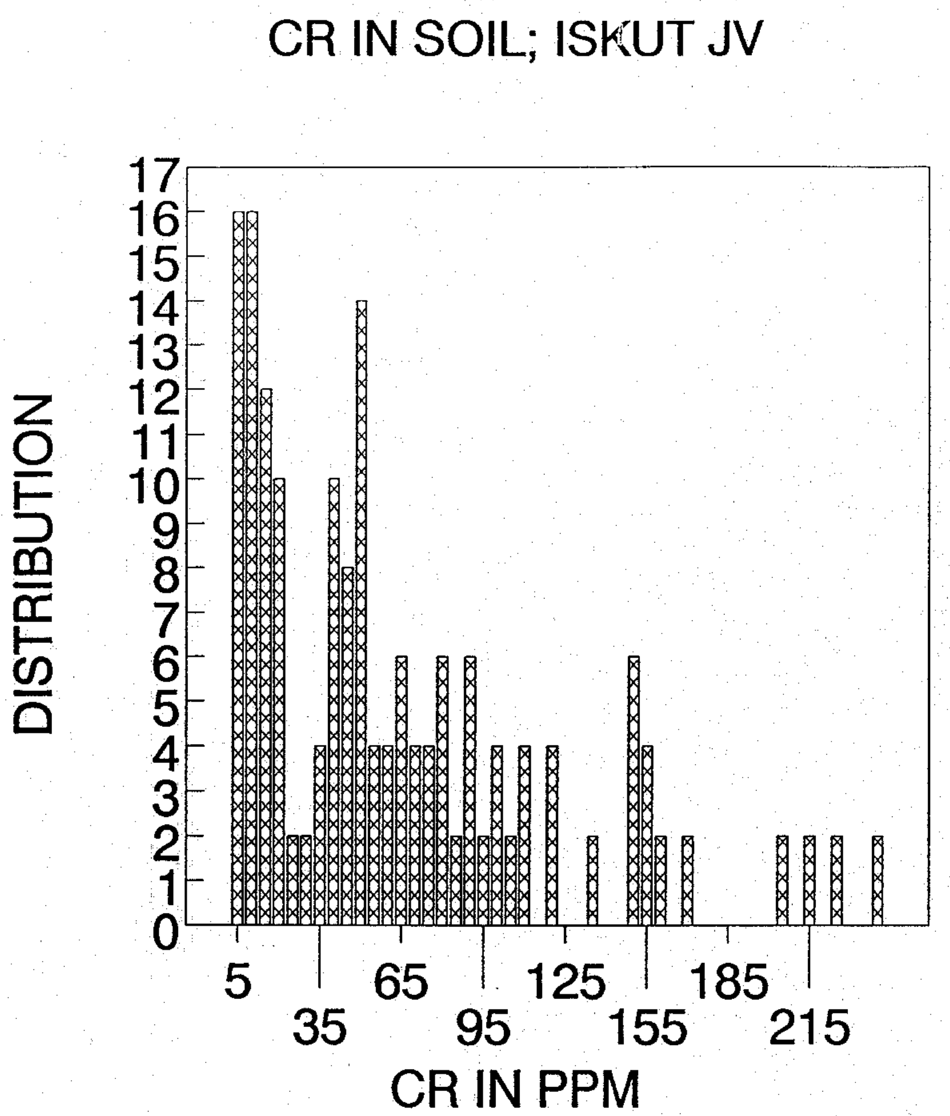
CO IN SOIL; ISKUT JV



Analysis of CO (PPM) from file IJVSOIL.DBF

n =	86			
min =	1.000	St.Dev =	7.002	
max =	31.000	Var =	49.034	
x =	10.674	CV =	0.656	
M =	10.000	90% =	20.000	(‡)
Q1 =	5.000	95% =	24.000	(▲)
Q3 =	15.000	98% =	25.000	(♦)

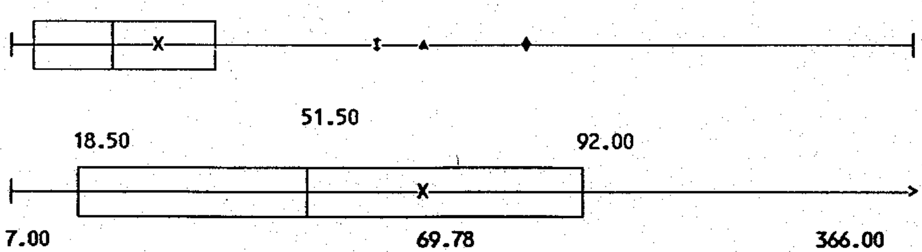




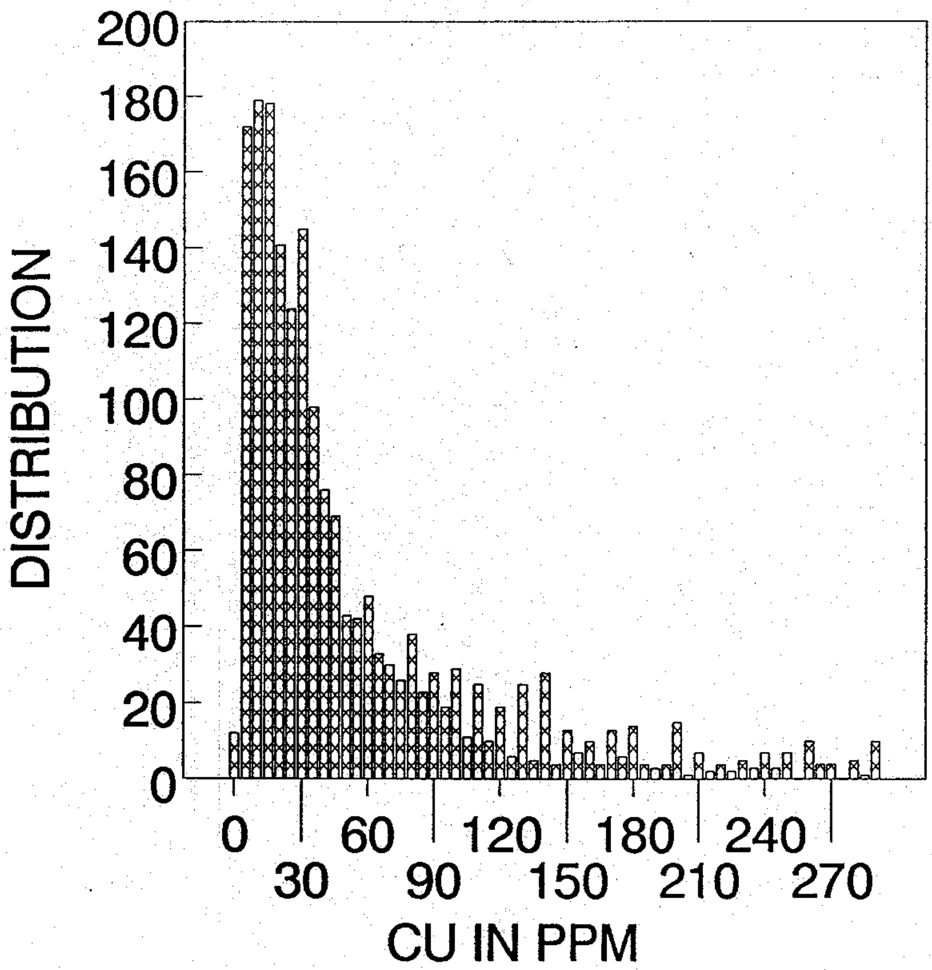
Statistical Analysis

Analysis of CR (PPM) from file IJVSOIL.DBF

n =	86		
min =	7.000	St.Dev =	64.331
max =	366.000	Var =	4138.498
x =	69.779	CV =	0.922
M =	51.500	90% =	153.000 (‡)
Q1 =	18.500	95% =	171.000 (▲)
Q3 =	92.000	98% =	215.000 (♦)

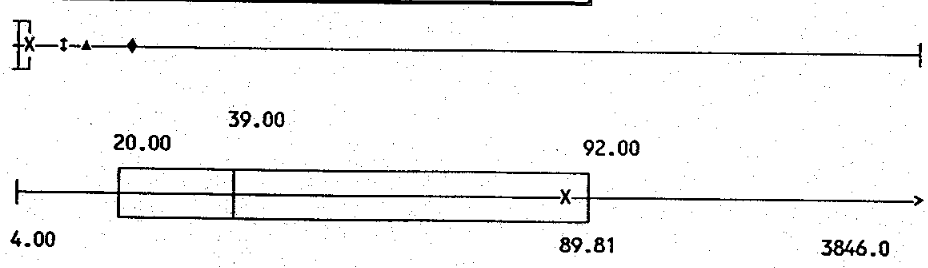


CU IN SOIL; ISKUT JV

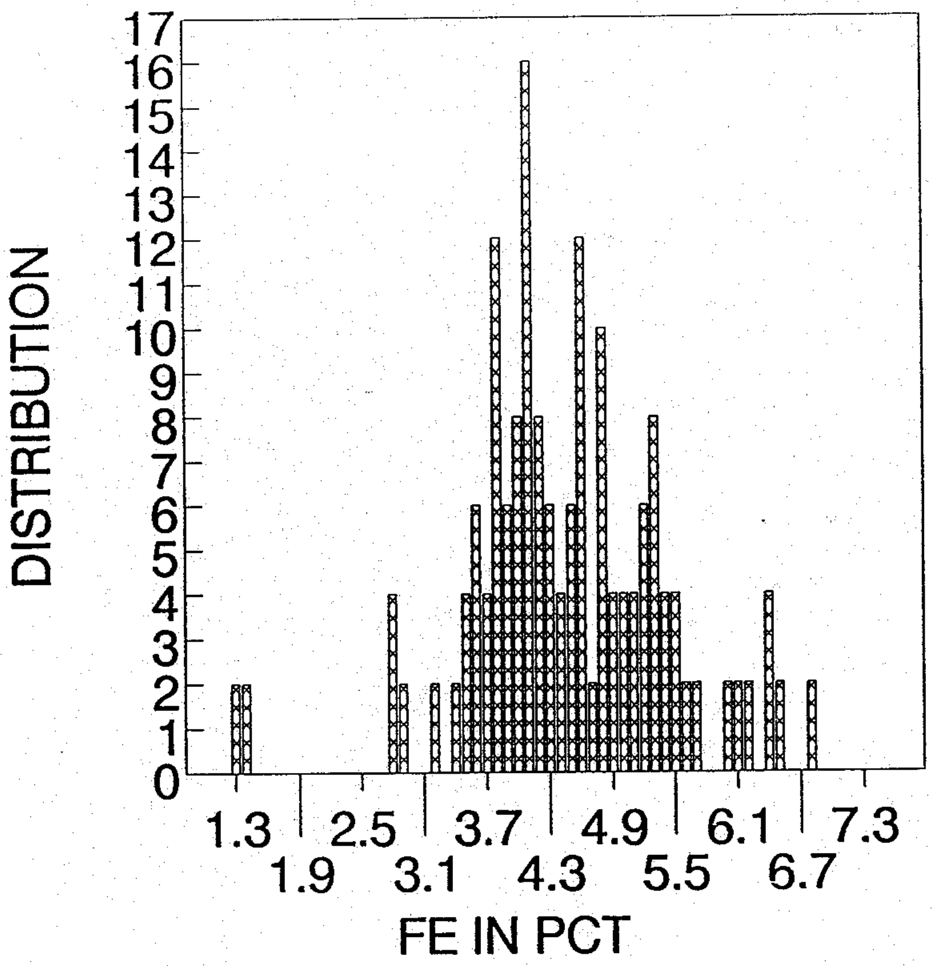


Analysis of CU (PPM) from file IJVSOIL.DBF

n =	1875		
min =	4.000	St.Dev =	170.240
max =	3846.000	Var =	28981.677
x =	89.815	CV =	1.895
M =	39.000	90% =	200.000 (↕)
Q1 =	20.000	95% =	319.000 (▲)
Q3 =	92.000	98% =	534.000 (♦)

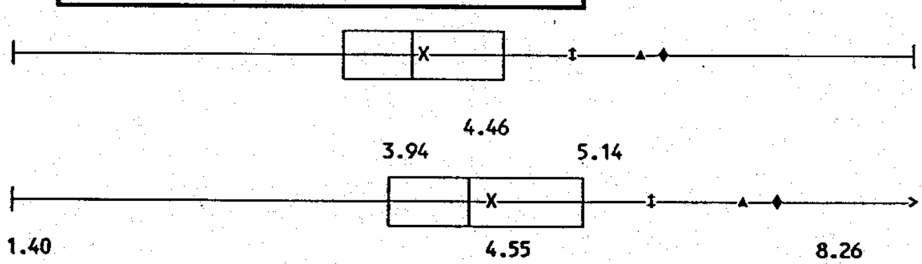


FE IN SOIL; ISKUT JV

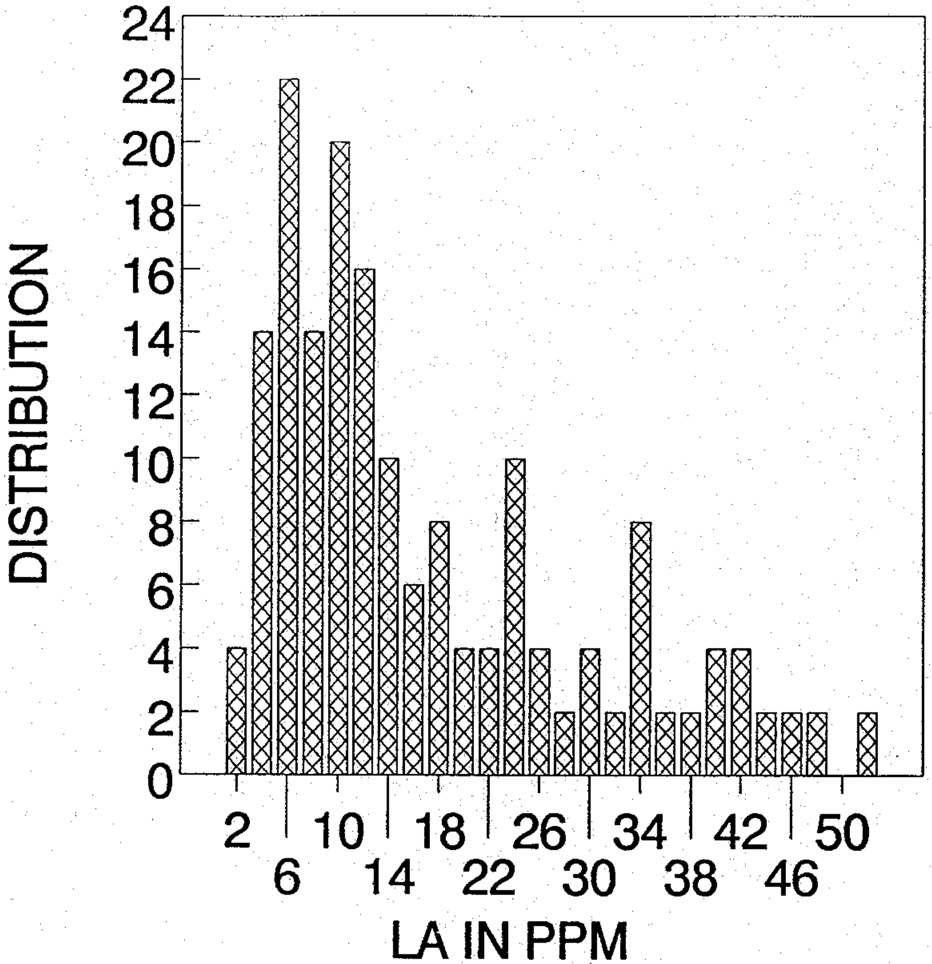


Analysis of FE (PCT) from file IJVSOIL.DBF

n =	86			
min =	1.400	St.Dev =	1.041	
max =	8.260	Var =	1.083	
x =	4.553	CV =	0.229	
M =	4.460	90% =	5.660	(↨)
Q1 =	3.940	95% =	6.250	(▲)
Q3 =	5.140	98% =	6.430	(♦)

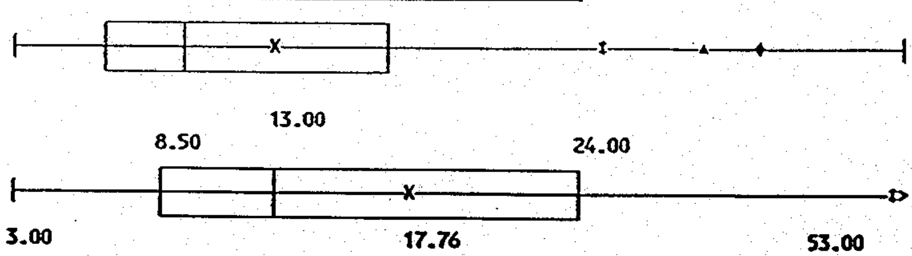


LA IN SOIL; ISKUT JV

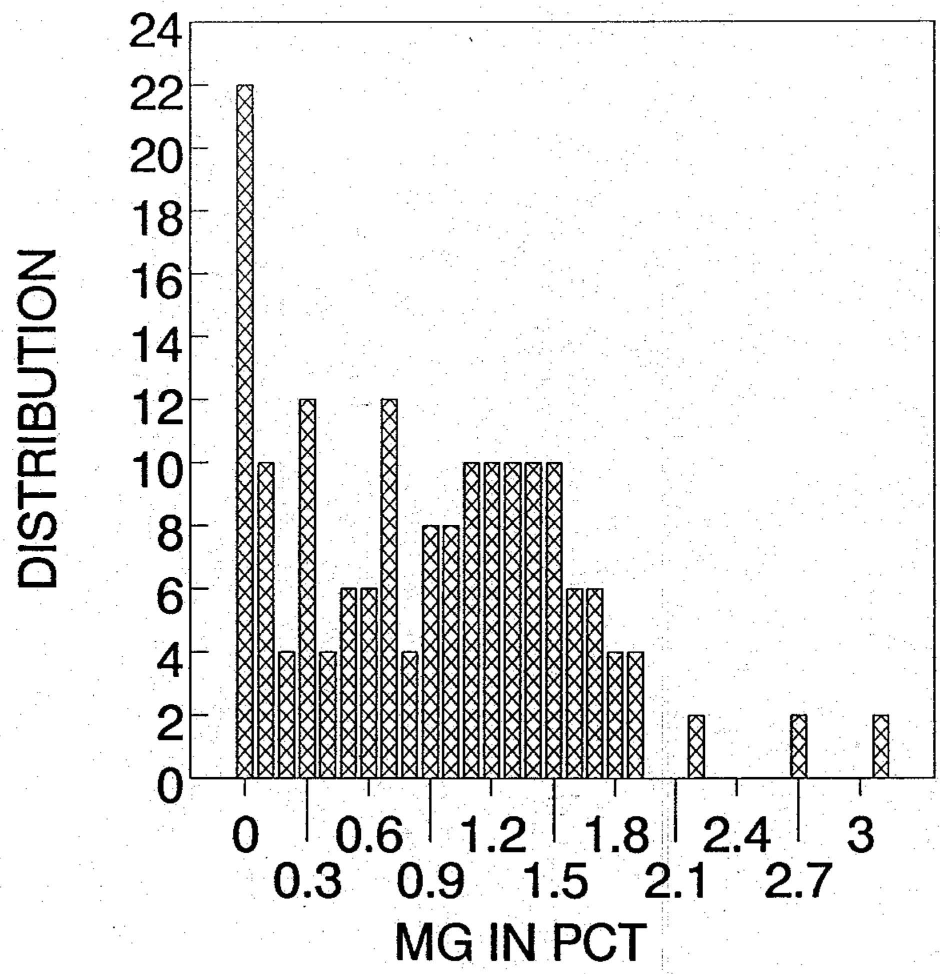


Analysis of LA (PPM) from file IJVSOIL.DBF

n =	86		
min =	3.000	St.Dev =	12.457
max =	53.000	Var =	155.185
x =	17.756	CV =	0.702
M =	13.000	90% =	36.000 (↕)
Q1 =	8.500	95% =	42.000 (▲)
Q3 =	24.000	98% =	45.000 (♦)



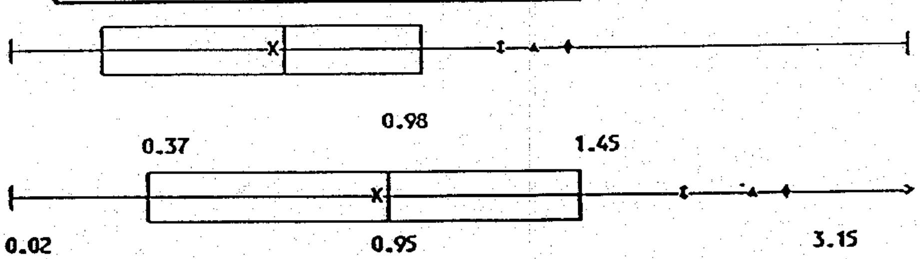
MG IN SOIL; ISKUT JV



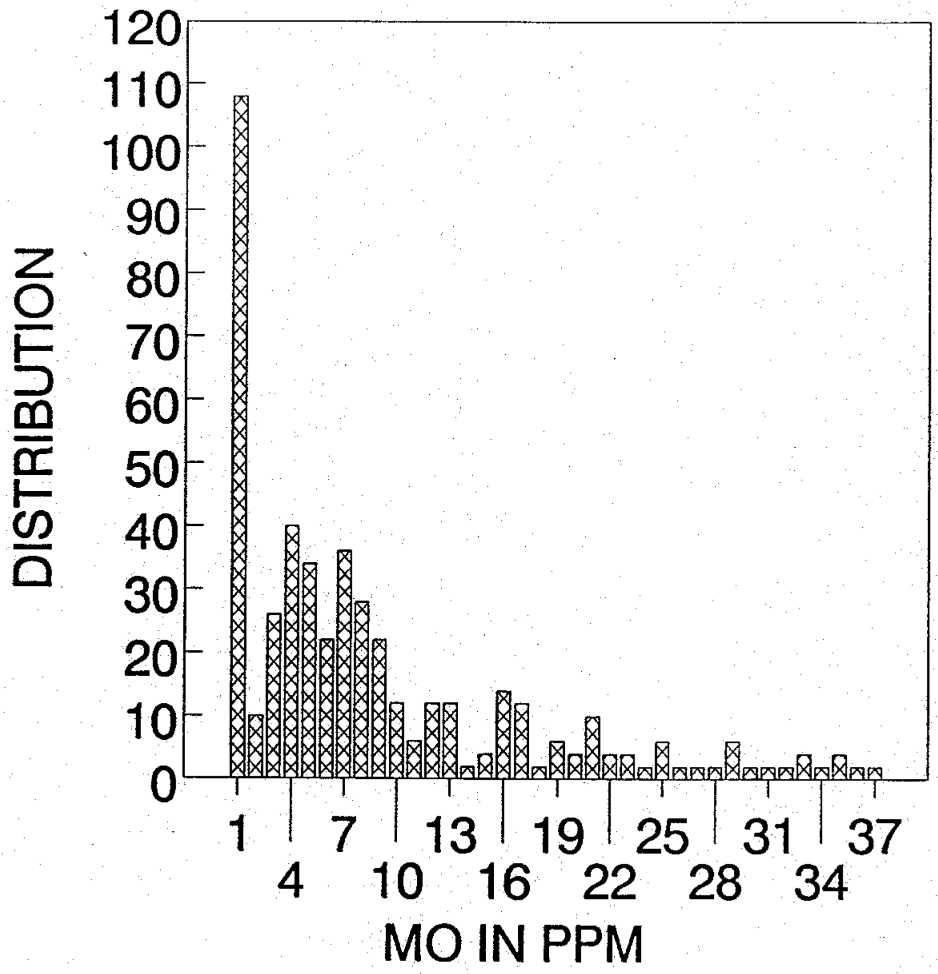
Statistical Analysis

Analysis of MG (PCT) from file IJVSOIL.DBF

n =	86			
min =	0.020	St.Dev =	0.662	
max =	3.150	Var =	0.439	
x =	0.954	CV =	0.694	
M =	0.980	90% =	1.730	(I)
Q1 =	0.370	95% =	1.880	(▲)
Q3 =	1.450	98% =	1.970	(♦)

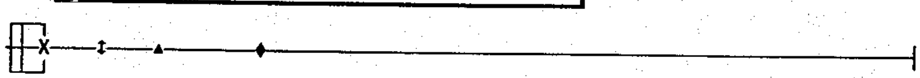


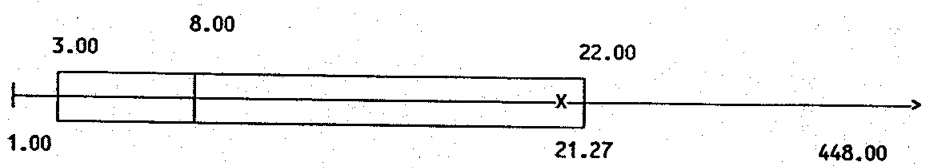
MO IN SOIL; ISKUT JV



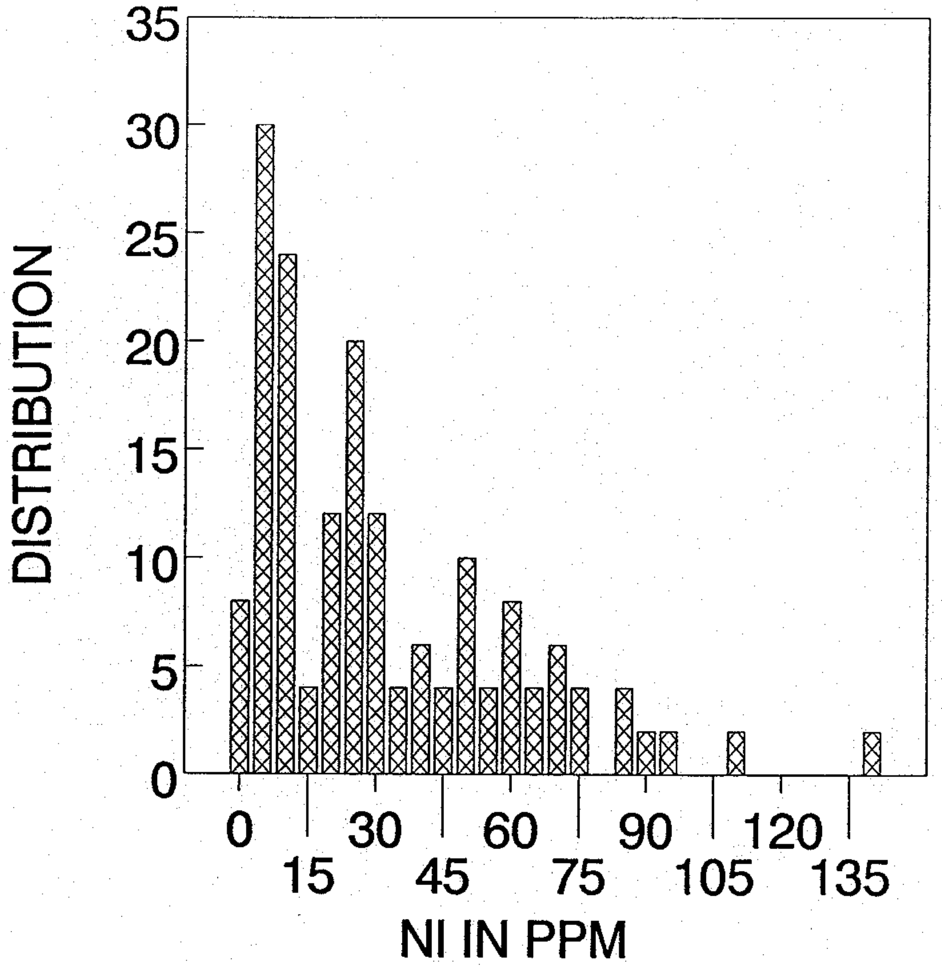
Analysis of MO (PPM) from file IJVSOIL.DBF

n =	284			
min =	1.000	St.Dev =	39.001	
max =	448.000	Var =	1521.071	
x =	21.271	CV =	1.834	
M =	8.000	90% =	50.000	(‡)
Q1 =	3.000	95% =	80.000	(▲)
Q3 =	22.000	98% =	126.000	(♦)



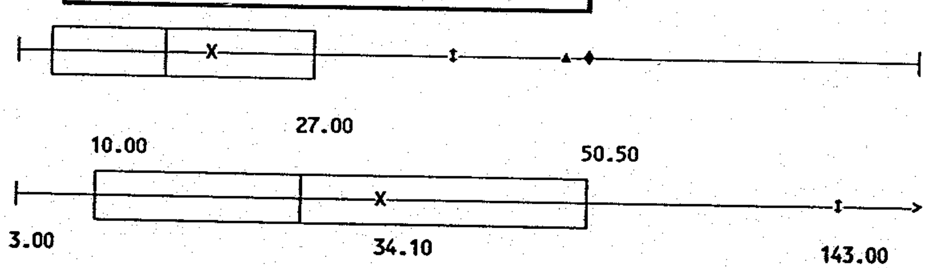


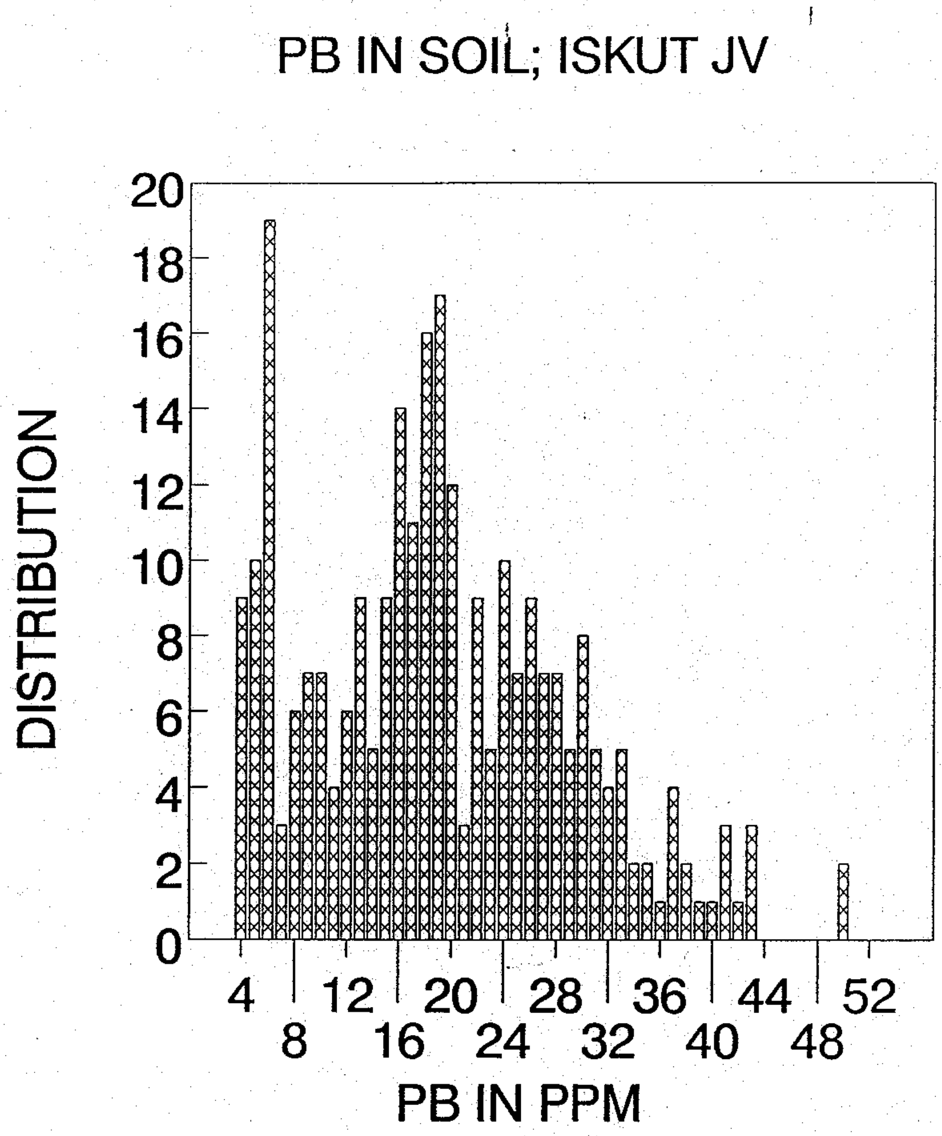
NI IN SOIL; ISKUT JV



Analysis of NI (PPM) from file IJVSOIL.DBF

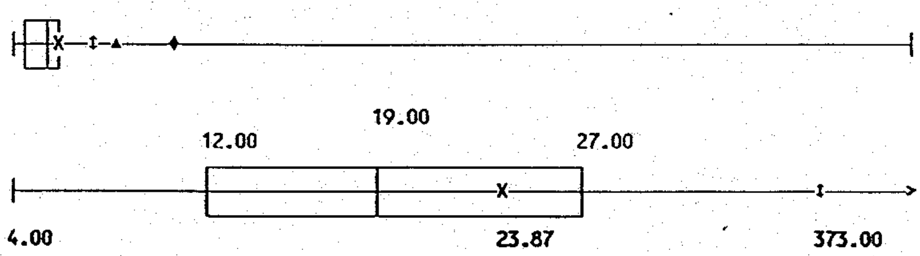
n =	86			
min =	3.000	St.Dev =	28.802	
max =	143.000	Var =	829.559	
x =	34.105	CV =	0.845	
M =	27.000	90% =	72.000	(‡)
Q1 =	10.000	95% =	89.000	(▲)
Q3 =	50.500	98% =	93.000	(♦)



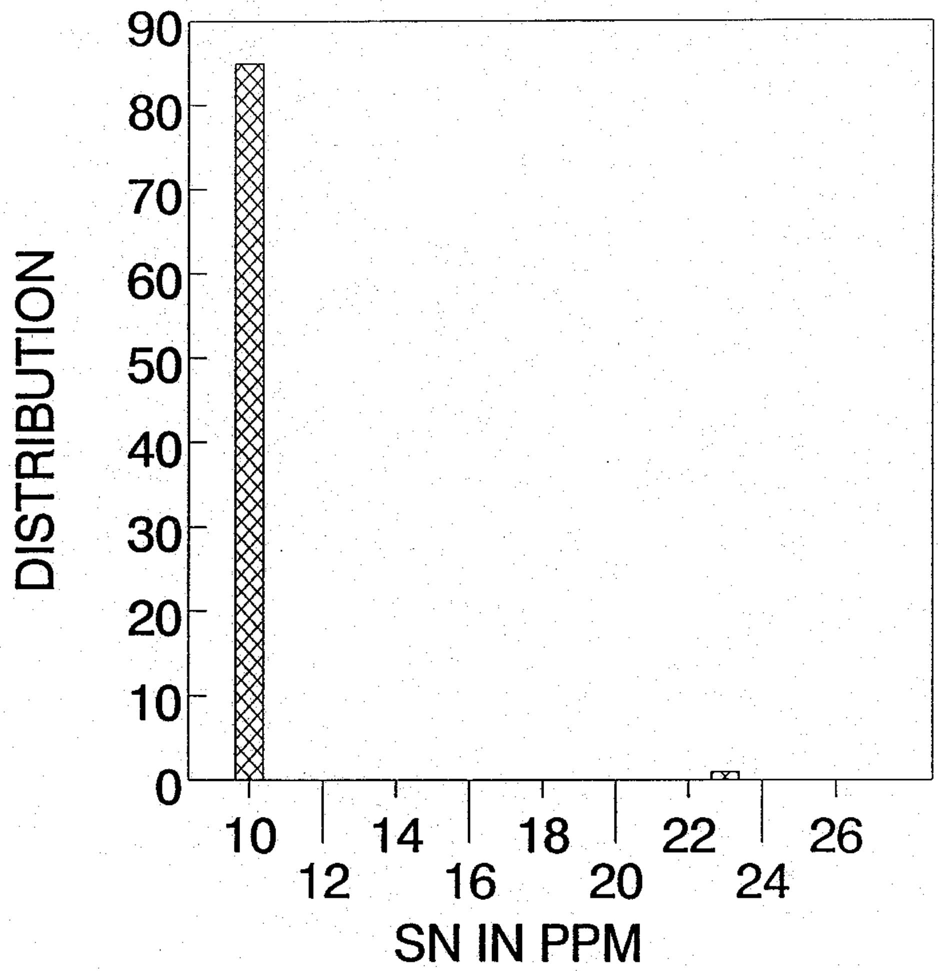


Analysis of PB (PPM) from file IJVSOIL.DBF

n =	284			
min =	4.000	St.Dev =	29.056	
max =	373.000	Var =	844.280	
x =	23.873	CV =	1.217	
M =	19.000	90% =	37.000	(‡)
Q1 =	12.000	95% =	50.000	(▲)
Q3 =	27.000	98% =	72.000	(♦)



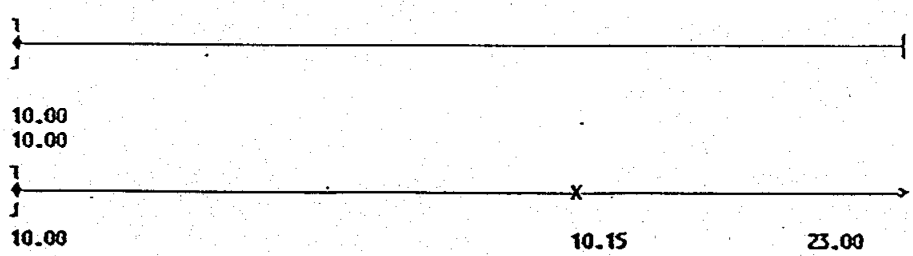
SN IN SOIL; ISKUT JV



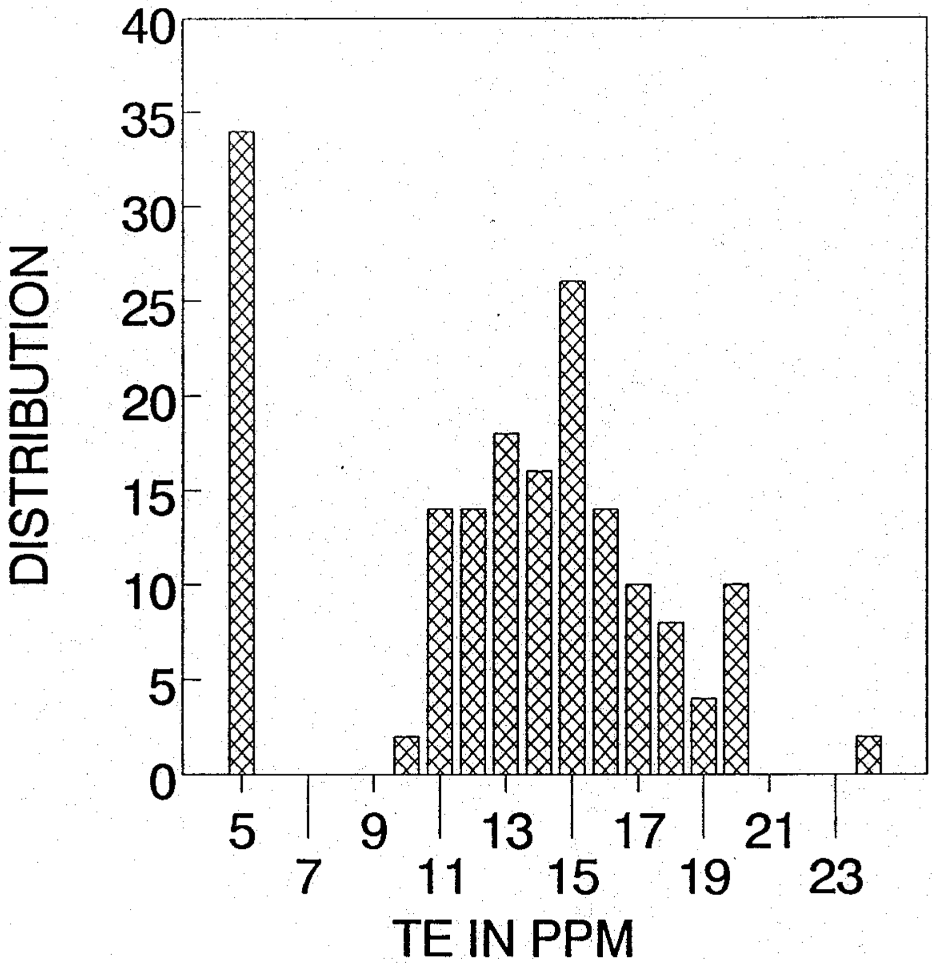
Statistical Analysis

Analysis of SN (PPM) from file IJVSOIL.DBF

n =	86		
min =	10.000	St.Dev =	1.394
max =	23.000	Var =	1.942
x =	10.151	CV =	0.137
M =	10.000	90% =	10.000 (‡)
Q1 =	10.000	95% =	10.000 (▲)
Q3 =	10.000	98% =	10.000 (♦)



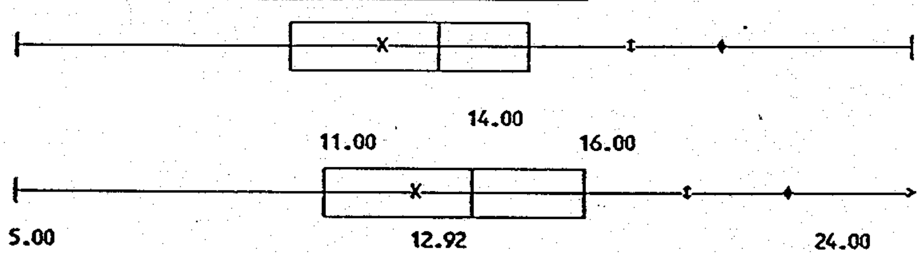
TE IN SOIL; ISKUT JV



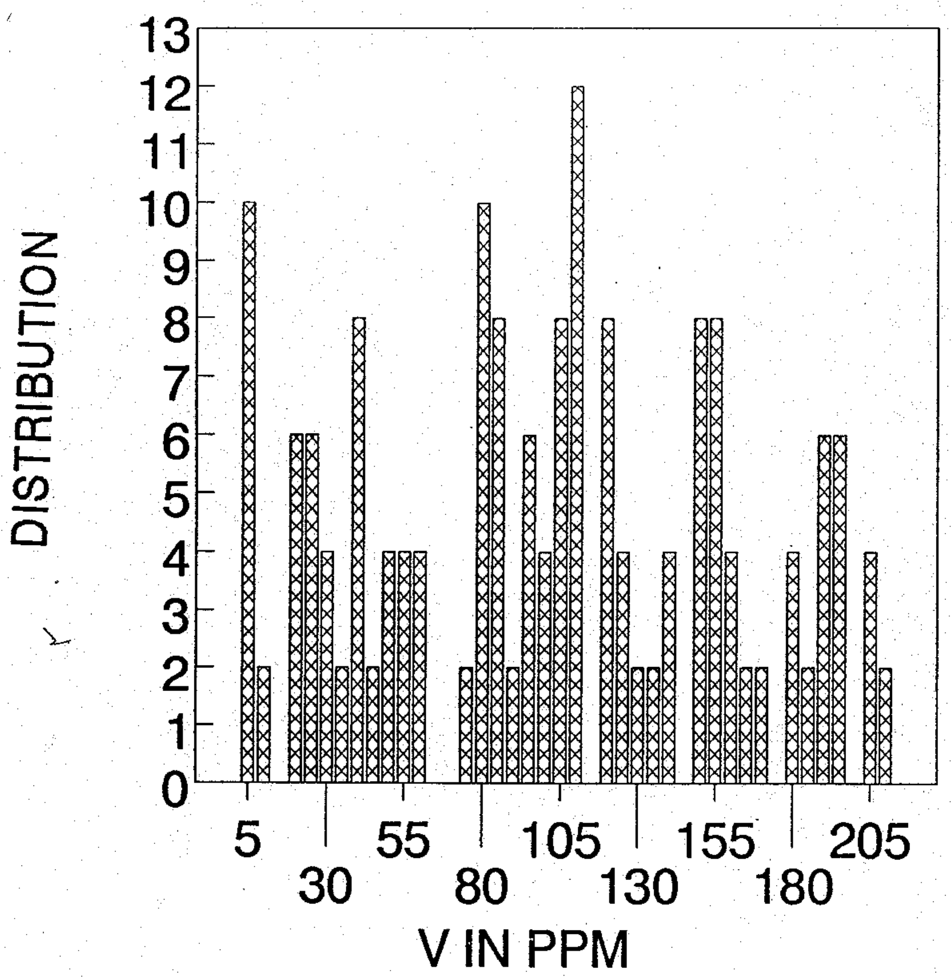
Statistical Analysis

Analysis of TE (PPM) from file IJVSOIL.DBF

n =	86			
min =	5.000	St.Dev =	4.666	
max =	24.000	Var =	21.772	
x =	12.919	CV =	0.361	
M =	14.000	90% =	18.000	(‡)
Q1 =	11.000	95% =	20.000	(▲)
Q3 =	16.000	98% =	20.000	(♦)



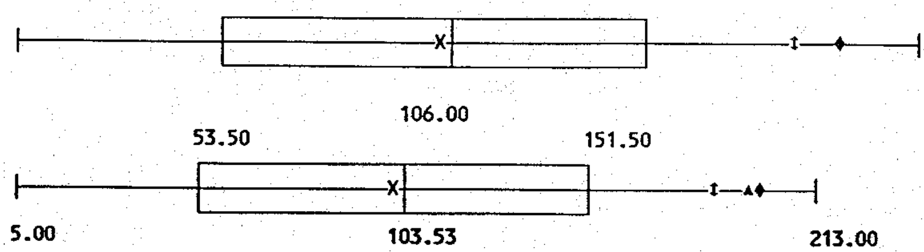
V IN SOIL; ISKUT JV



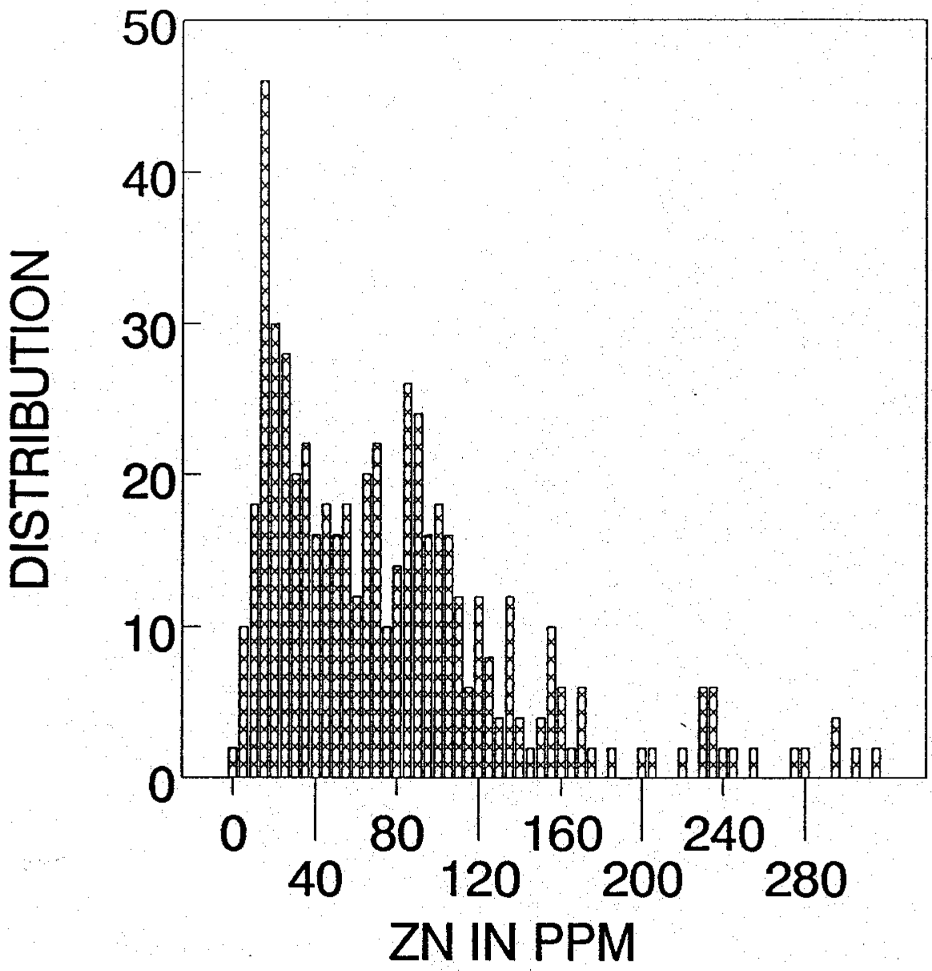
Statistical Analysis

Analysis of V (PPM) from file IJVSOIL.DBF

n =	86			
min =	5.000	St.Dev =	57.835	
max =	213.000	Var =	3344.877	
x =	103.535	CV =	0.559	
M =	106.000	90% =	185.000	(↨)
Q1 =	53.500	95% =	195.000	(▲)
Q3 =	151.500	98% =	197.000	(♦)



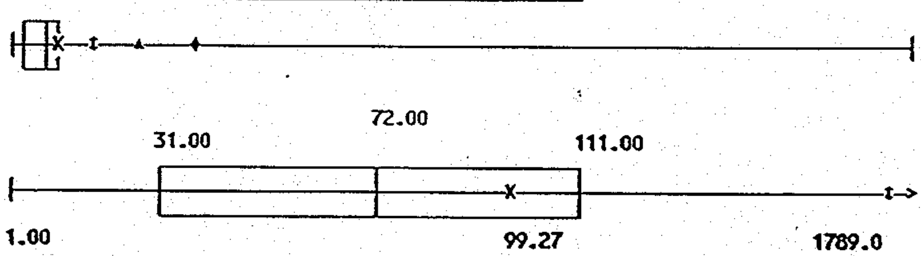
ZN IN SOIL; ISKUT JV



Statistical Analysis

Analysis of ZN (PPM) from file IJVSOIL.DBF

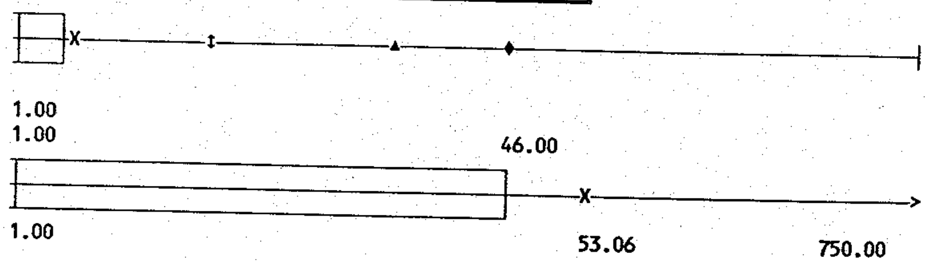
n =	284			
min =	1.000	St.Dev =	143.187	
max =	1789.000	Var =	20502.643	
x =	99.275	CV =	1.442	
M =	72.000	90% =	172.000	(I)
Q1 =	31.000	95% =	256.000	(▲)
Q3 =	111.000	98% =	364.000	(♦)



Analysis of BA (PPM) from file IJVSOIL.DBF

```
   n =      284
 min =    1.000       St.Dev =   116.600
 max =  750.000          Var =13595.454
   x =   53.063          CV  =     2.197

   M =    1.000       90% =  169.000  (‡)
  Q1 =    1.000       95% =  322.000  (▲)
  Q3 =   46.000       98% =  411.000  (♦)
```



Analysis of BI (PPM) from file IJVSOIL.DBF

```
   n =       86
 min =    5.000       St.Dev =     0.000
 max =    5.000          Var =     0.000
   x =    5.000          CV  =     0.000

   M =    5.000       90% =    5.000  (‡)
  Q1 =    5.000       95% =    5.000  (▲)
  Q3 =    5.000       98% =    5.000  (♦)
```

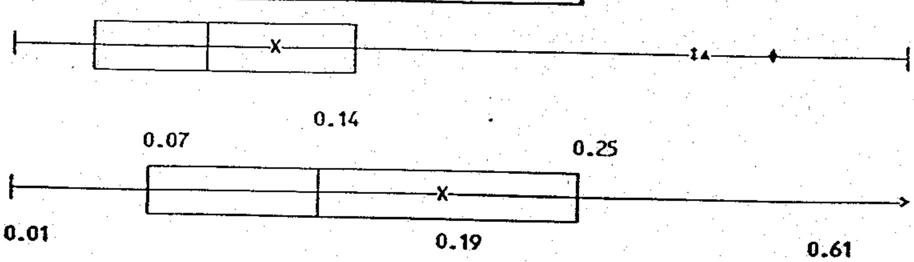
String too long to fit.

‹ Cancel ›   < Ignore >

Analysis of CA (PCT) from file IJVSOIL.DBF

```
   n =       86
 min =    0.010       St.Dev =     0.158
 max =    0.610          Var =     0.025
   x =    0.191          CV  =     0.825

   M =    0.140       90% =    0.470  (‡)
  Q1 =    0.070       95% =    0.480  (▲)
  Q3 =    0.245       98% =    0.520  (♦)
```



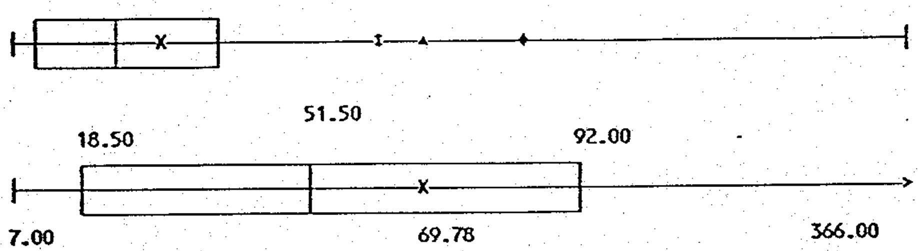
Analysis of CD (PPM) from file IJVSOIL.DBF

n =	86			
min =	0.500	St.Dev =	0.000	
max =	0.500	Var =	0.000	
x =	0.500	CV =	0.000	
M =	0.500	90% =	0.500	(‡)
Q1 =	0.500	95% =	0.500	(▲)
Q3 =	0.500	98% =	0.500	(♦)

INSUFFICIENT SAMPLE POPULATION FOR MEANINGFUL PLOT

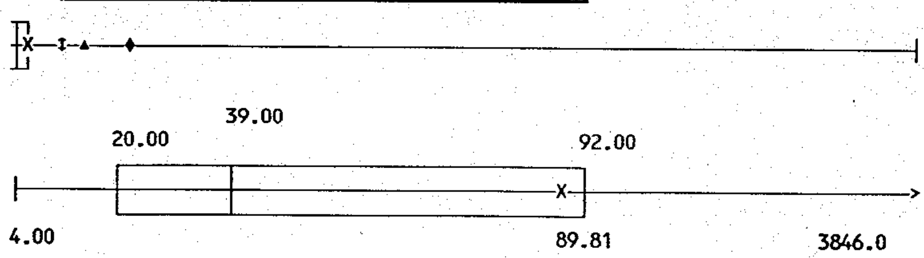
Analysis of CR (PPM) from file IJVSOIL.DBF

n =	86			
min =	7.000	St.Dev =	64.331	
max =	366.000	Var =	4138.498	
x =	69.779	CV =	0.922	
M =	51.500	90% =	153.000	(‡)
Q1 =	18.500	95% =	171.000	(▲)
Q3 =	92.000	98% =	215.000	(♦)



Analysis of CU (PPM) from file IJVSOIL.DBF

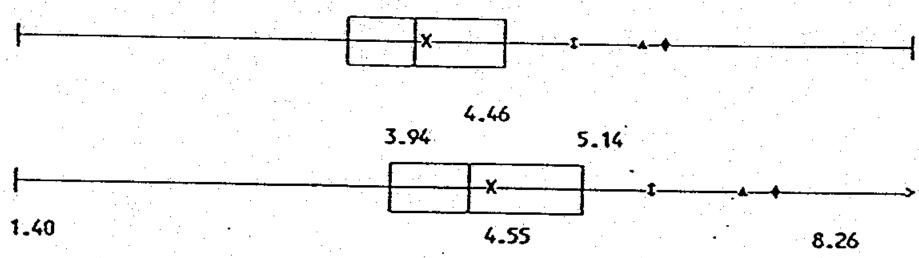
n =	1875			
min =	4.000	St.Dev =	170.240	
max =	3846.000	Var =	28981.677	
x =	89.815	CV =	1.895	
M =	39.000	90% =	200.000	(‡)
Q1 =	20.000	95% =	319.000	(▲)
Q3 =	92.000	98% =	534.000	(♦)



Statistical Analysis

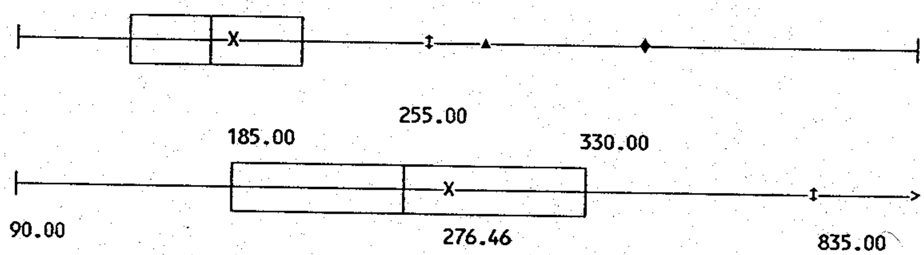
Analysis of FE (PCT) from file IJVSOIL.DBF

n =	86		
min =	1.400	St.Dev =	1.041
max =	8.260	Var =	1.083
x =	4.553	CV =	0.229
M =	4.460	90% =	5.660 (↕)
Q1 =	3.940	95% =	6.250 (▲)
Q3 =	5.140	98% =	6.430 (♦)



Analysis of HG (PPM) from file IJVSOIL.DBF

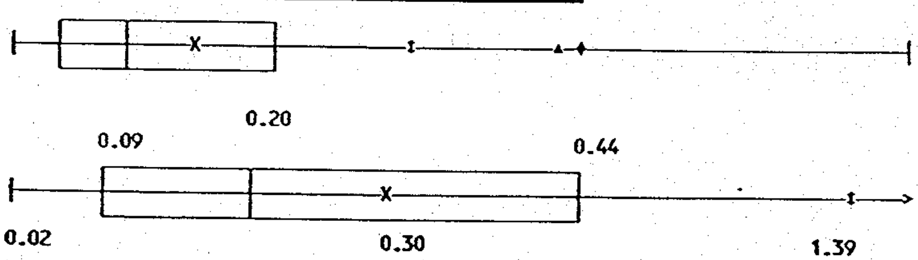
n =	198		
min =	90.000	St.Dev =	124.403
max =	835.000	Var =	15476.138
x =	276.465	CV =	0.450
M =	255.000	90% =	430.000 (↕)
Q1 =	185.000	95% =	485.000 (▲)
Q3 =	330.000	98% =	610.000 (♦)



Statistical Analysis

Analysis of K (PCT) from file IJVSOIL.DBF

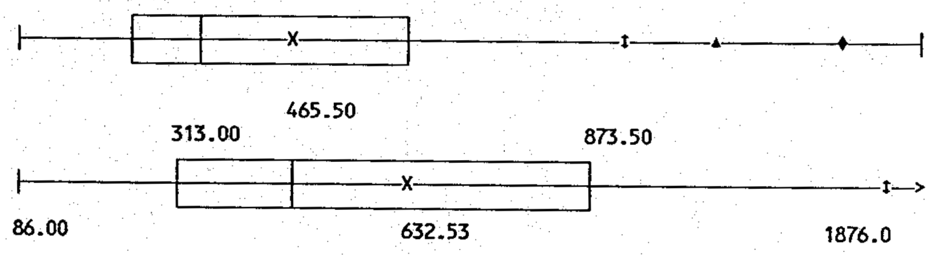
n =	86		
min =	0.020	St.Dev =	0.281
max =	1.390	Var =	0.079
x =	0.301	CV =	0.932
M =	0.195	90% =	0.640 (↕)
Q1 =	0.090	95% =	0.860 (▲)
Q3 =	0.435	98% =	0.890 (♦)



Statistical Analysis

Analysis of MN (PPM) from file IJVSOIL.DBF

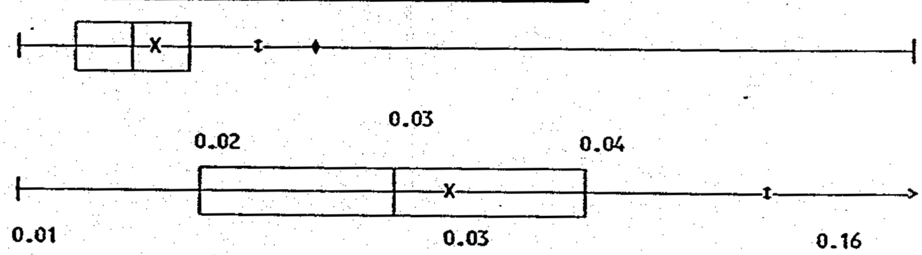
n =	86		
min =	86.000	St.Dev =	442.051
max =	1876.000	Var =	195408.88
x =	632.535	CV =	0.699
M =	465.500	90% =	1288.000 (‡)
Q1 =	313.000	95% =	1472.000 (▲)
Q3 =	873.500	98% =	1735.000 (♦)



Statistical Analysis

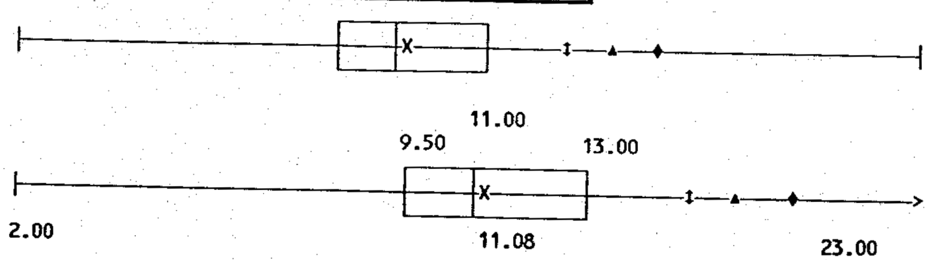
Analysis of NA (PCT) from file IJVSOIL.DBF

n =	86		
min =	0.010	St.Dev =	0.019
max =	0.160	Var =	0.000
x =	0.033	CV =	0.568
M =	0.030	90% =	0.050 (‡)
Q1 =	0.020	95% =	0.060 (▲)
Q3 =	0.040	98% =	0.060 (♦)



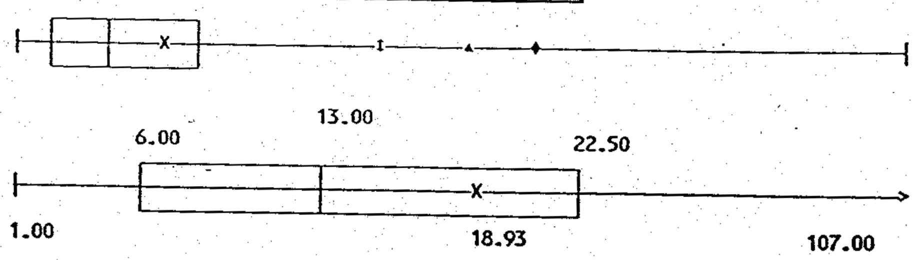
Analysis of SB (PPM) from file IJVSOIL.DBF

n =	86		
min =	2.000	St.Dev =	3.933
max =	23.000	Var =	15.470
x =	11.081	CV =	0.355
M =	11.000	90% =	15.000 (‡)
Q1 =	9.500	95% =	16.000 (▲)
Q3 =	13.000	98% =	17.000 (♦)



Analysis of SR (PPM) from file IJVSOIL.DBF

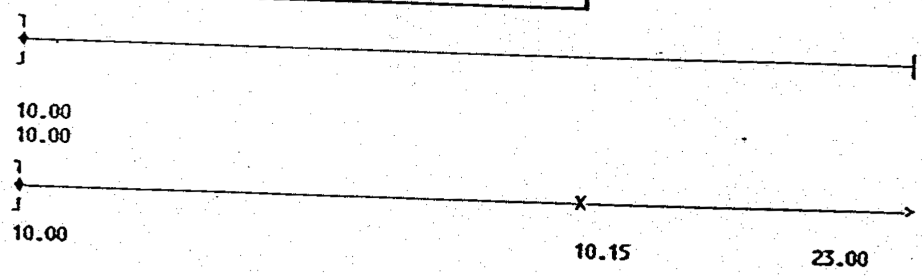
n =	86			
min =	1.000	St.Dev =	19.167	
max =	107.000	Var =	367.390	
x =	18.930	CV =	1.013	
M =	13.000	90% =	44.000	(I)
Q1 =	6.000	95% =	56.000	(▲)
Q3 =	22.500	98% =	64.000	(♦)



Statistical Analysis

Analysis of W (PPM) from file IJVSOIL.DBF

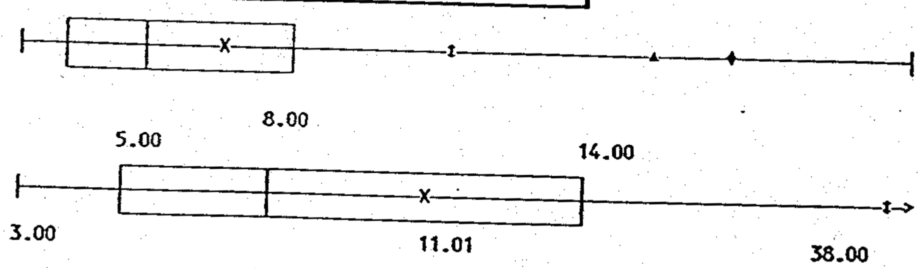
n =	86			
min =	10.000	St.Dev =	1.394	
max =	23.000	Var =	1.942	
x =	10.151	CV =	0.137	
M =	10.000	90% =	10.000	(I)
Q1 =	10.000	95% =	10.000	(▲)
Q3 =	10.000	98% =	10.000	(♦)



Statistical Analysis

Analysis of Y (PPM) from file IJVSOIL.DBF

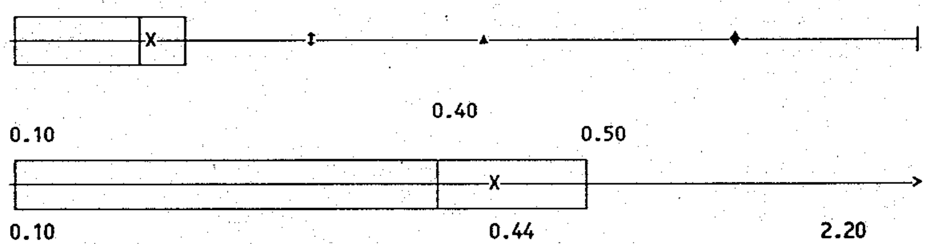
n =	86			
min =	3.000	St.Dev =	7.937	
max =	38.000	Var =	62.988	
x =	11.012	CV =	0.721	
M =	8.000	90% =	20.000	(I)
Q1 =	5.000	95% =	28.000	(▲)
Q3 =	14.000	98% =	31.000	(♦)



Statistical Analysis

Analysis of AG (PPM) from file IJVSILT.DBF

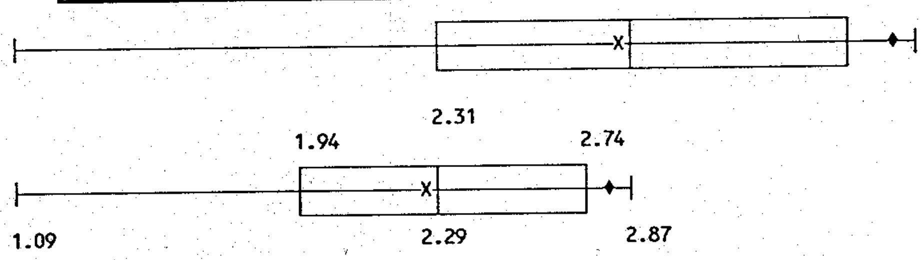
n =	118			
min =	0.100	St.Dev =	0.441	
max =	2.200	Var =	0.194	
x =	0.441	CV =	1.001	
M =	0.400	90% =	0.800	(‡)
Q1 =	0.100	95% =	1.200	(▲)
Q3 =	0.500	98% =	1.800	(♦)



Statistical Analysis

Analysis of AL (PCT) from file IJVSILT.DBF

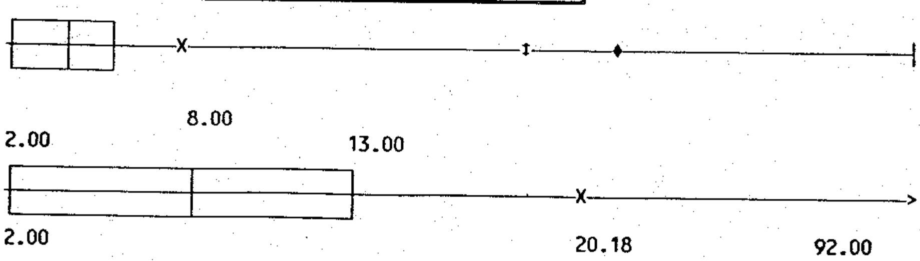
n =	22			
min =	1.090	St.Dev =	0.516	
max =	2.870	Var =	0.266	
x =	2.291	CV =	0.225	
M =	2.310	90% =	2.830	(‡)
Q1 =	1.940	95% =	2.830	(▲)
Q3 =	2.735	98% =	2.830	(♦)



Statistical Analysis

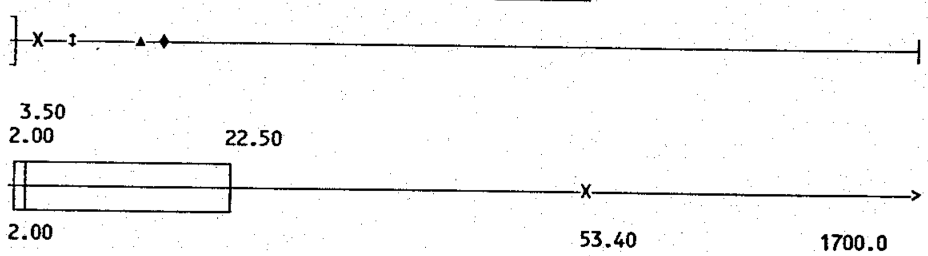
Analysis of AS (PPM) from file IJVSILT.DBF

n =	22			
min =	2.000	St.Dev =	26.479	
max =	92.000	Var =	701.149	
x =	20.182	CV =	1.312	
M =	8.000	90% =	54.000	(‡)
Q1 =	2.000	95% =	63.000	(▲)
Q3 =	13.000	98% =	63.000	(♦)



Analysis of AU (PPB) from file IJVSILT.DBF

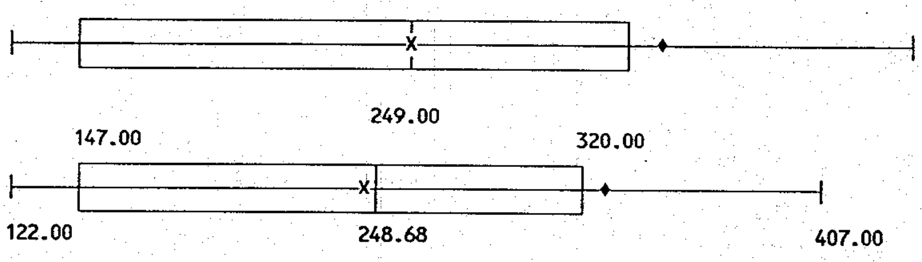
n =	118			
min =	2.000	St.Dev =	178.673	
max =	1700.000	Var =	31923.952	
x =	53.398	CV =	3.346	
M =	3.500	90% =	120.000	(↕)
Q1 =	2.000	95% =	254.000	(▲)
Q3 =	22.500	98% =	300.000	(♦)



Statistical Analysis

Analysis of BA (PPM) from file IJVSILT.DBF

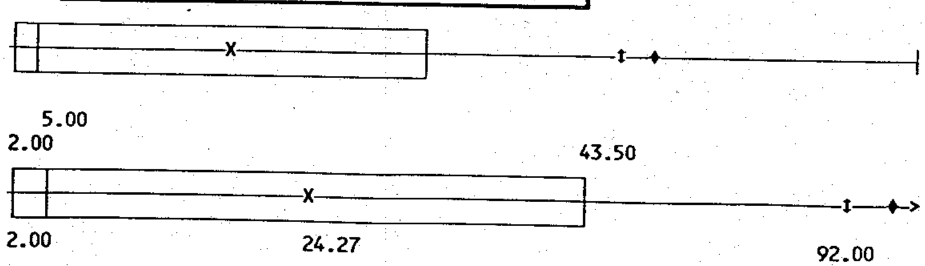
n =	22			
min =	122.000	St.Dev =	90.601	
max =	407.000	Var =	8208.581	
x =	248.682	CV =	0.364	
M =	249.000	90% =	328.000	(↕)
Q1 =	147.000	95% =	328.000	(▲)
Q3 =	320.000	98% =	328.000	(♦)



Statistical Analysis

Analysis of BI (PPM) from file IJVSILT.DBF

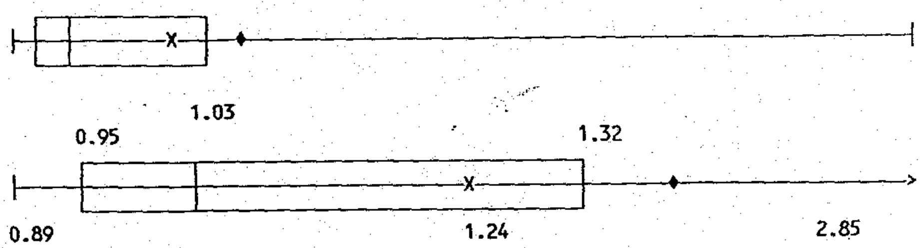
n =	22			
min =	2.000	St.Dev =	29.180	
max =	92.000	Var =	851.471	
x =	24.273	CV =	1.202	
M =	5.000	90% =	63.000	(↕)
Q1 =	2.000	95% =	66.000	(▲)
Q3 =	43.500	98% =	66.000	(♦)



Statistical Analysis

Analysis of CA (PCT) from file IJVSILT.DBF

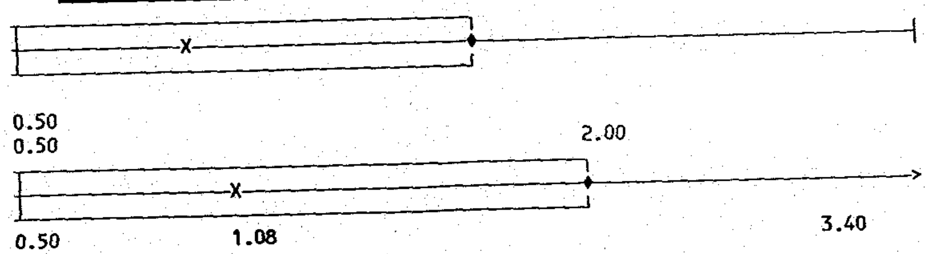
n =	22		
min =	0.890	St.Dev =	0.534
max =	2.850	Var =	0.286
x =	1.240	CV =	0.431
M =	1.030	90% =	1.390 (‡)
Q1 =	0.950	95% =	1.390 (▲)
Q3 =	1.320	98% =	1.390 (♦)



Statistical Analysis

Analysis of CD (PPM) from file IJVSILT.DBF

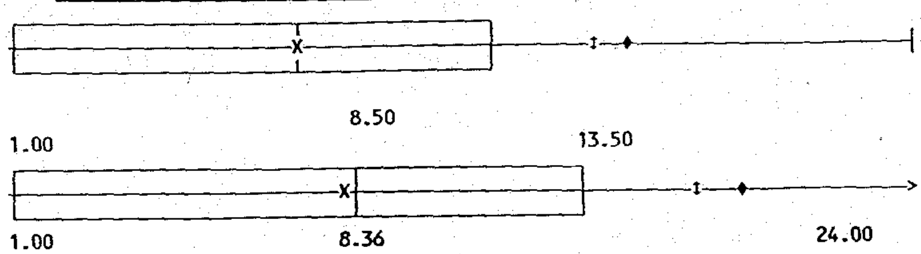
n =	22		
min =	0.500	St.Dev =	0.895
max =	3.400	Var =	0.801
x =	1.077	CV =	0.831
M =	0.500	90% =	2.000 (‡)
Q1 =	0.500	95% =	2.000 (▲)
Q3 =	2.000	98% =	2.000 (♦)



Statistical Analysis

Analysis of CO (PPM) from file IJVSILT.DBF

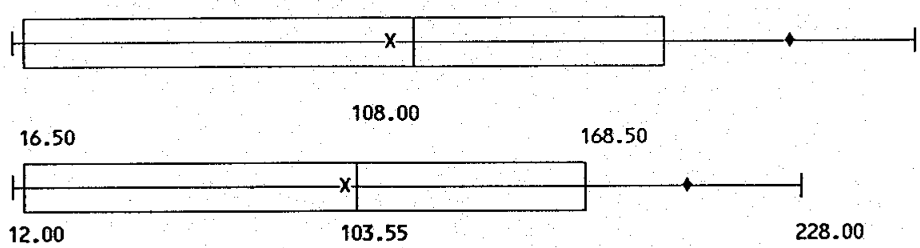
n =	22		
min =	1.000	St.Dev =	7.284
max =	24.000	Var =	53.050
x =	8.364	CV =	0.871
M =	8.500	90% =	16.000 (‡)
Q1 =	1.000	95% =	17.000 (▲)
Q3 =	13.500	98% =	17.000 (♦)



Statistical Analysis

Analysis of CR (PPM) from file IJVSILT.DBF

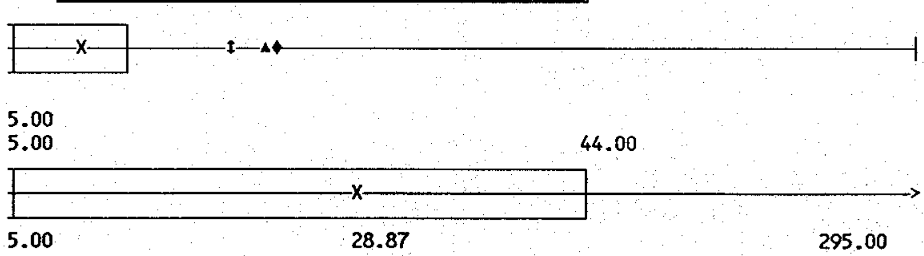
n =	22			
min =	12.000	St.Dev =	78.795	
max =	228.000	Var =	6208.702	
x =	103.545	CV =	0.761	
M =	108.000	90% =	198.000	(‡)
Q1 =	16.500	95% =	198.000	(▲)
Q3 =	168.500	98% =	198.000	(♦)



Statistical Analysis

Analysis of CU (PPM) from file IJVSILT.DBF

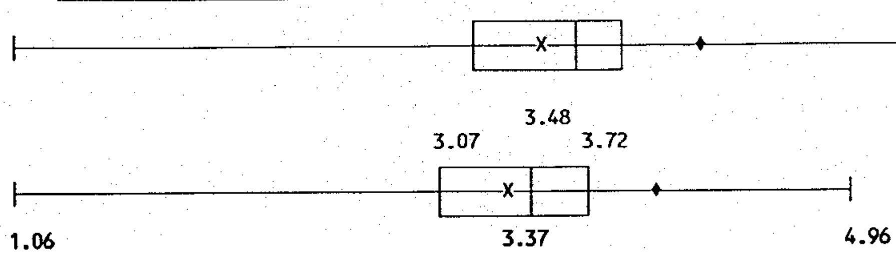
n =	82			
min =	5.000	St.Dev =	51.773	
max =	295.000	Var =	2680.482	
x =	28.866	CV =	1.794	
M =	5.000	90% =	77.000	(‡)
Q1 =	5.000	95% =	87.000	(▲)
Q3 =	44.000	98% =	92.000	(♦)



Statistical Analysis

Analysis of FE (PCT) from file IJVSILT.DBF

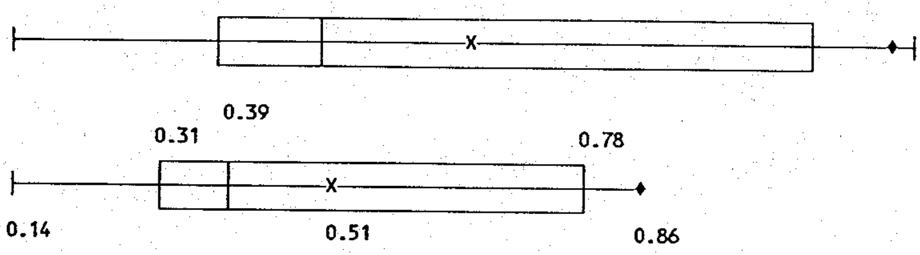
n =	22			
min =	1.060	St.Dev =	0.908	
max =	4.960	Var =	0.824	
x =	3.373	CV =	0.269	
M =	3.480	90% =	4.060	(‡)
Q1 =	3.065	95% =	4.060	(▲)
Q3 =	3.720	98% =	4.060	(♦)



Statistical Analysis

Analysis of K (PCT) from file IJVSILT.DBF

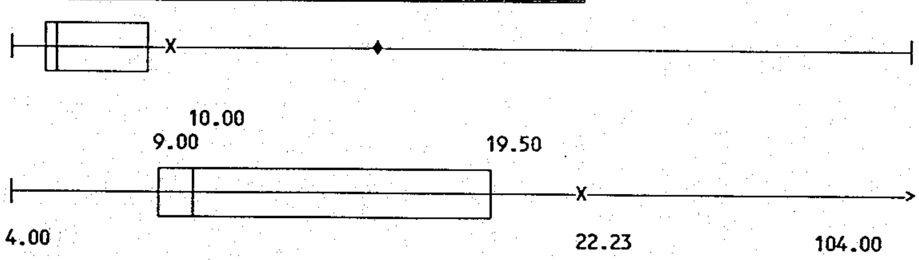
n =	22			
min =	0.140	St.Dev =	0.249	
max =	0.860	Var =	0.062	
x =	0.514	CV =	0.485	
M =	0.390	90% =	0.850	(‡)
Q1 =	0.310	95% =	0.850	(▲)
Q3 =	0.785	98% =	0.850	(♦)



Statistical Analysis

Analysis of LA (PPM) from file IJVSILT.DBF

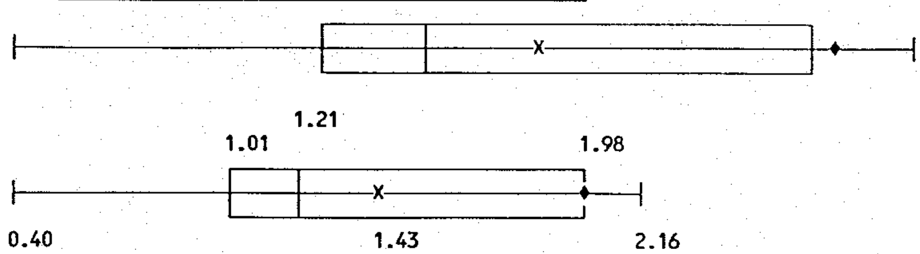
n =	22			
min =	4.000	St.Dev =	28.260	
max =	104.000	Var =	798.630	
x =	22.227	CV =	1.271	
M =	10.000	90% =	45.000	(‡)
Q1 =	9.000	95% =	45.000	(▲)
Q3 =	19.500	98% =	45.000	(♦)



Statistical Analysis

Analysis of MG (PCT) from file IJVSILT.DBF

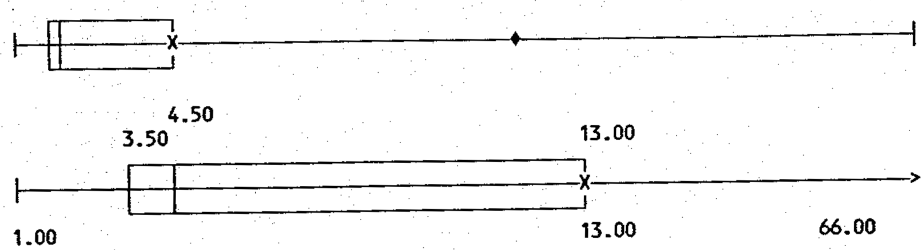
n =	22			
min =	0.400	St.Dev =	0.564	
max =	2.160	Var =	0.319	
x =	1.426	CV =	0.396	
M =	1.210	90% =	2.010	(‡)
Q1 =	1.010	95% =	2.010	(▲)
Q3 =	1.980	98% =	2.010	(♦)



Statistical Analysis

Analysis of MO (PPM) from file IJVSILT.DBF

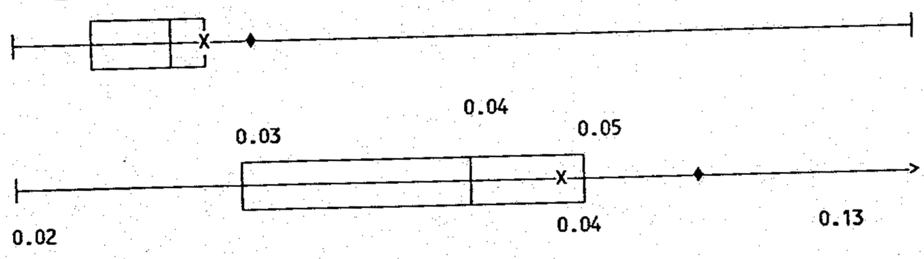
n =	22			
min =	1.000	St.Dev =	17.334	
max =	66.000	Var =	300.455	
x =	13.000	CV =	1.333	
M =	4.500	90% =	38.000	(↕)
Q1 =	3.500	95% =	38.000	(▲)
Q3 =	13.000	98% =	38.000	(♦)



Statistical Analysis

Analysis of NA (PCT) from file IJVSILT.DBF

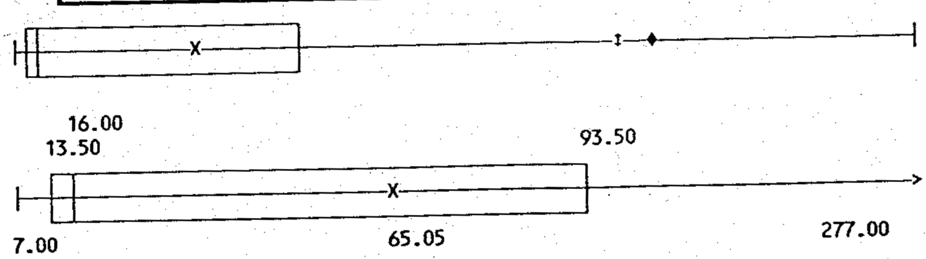
n =	22			
min =	0.020	St.Dev =	0.029	
max =	0.130	Var =	0.001	
x =	0.044	CV =	0.651	
M =	0.040	90% =	0.050	(↕)
Q1 =	0.030	95% =	0.050	(▲)
Q3 =	0.045	98% =	0.050	(♦)



Statistical Analysis

Analysis of NI (PPM) from file IJVSILT.DBF

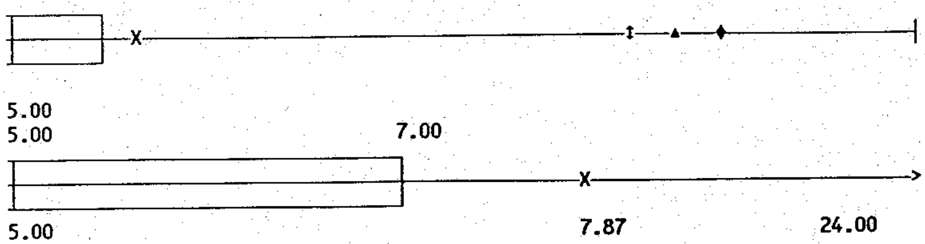
n =	22			
min =	7.000	St.Dev =	81.397	
max =	277.000	Var =	6625.407	
x =	65.045	CV =	1.251	
M =	16.000	90% =	191.000	(↕)
Q1 =	13.500	95% =	200.000	(▲)
Q3 =	93.500	98% =	200.000	(♦)



Statistical Analysis

Analysis of PB (PPM) from file IJVSILT.DBF

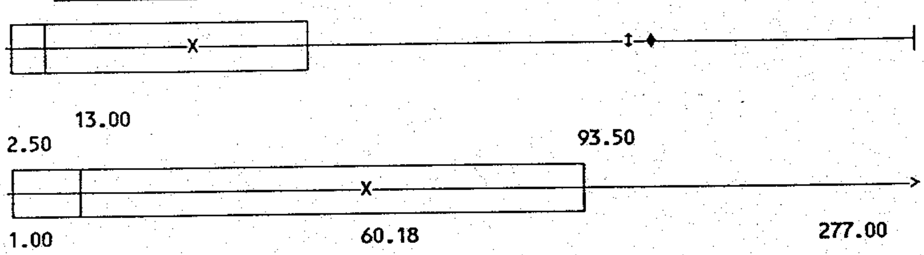
n =	82			
min =	5.000	St.Dev =	5.468	
max =	24.000	Var =	29.897	
x =	7.866	CV =	0.695	
M =	5.000	90% =	18.000	(↕)
Q1 =	5.000	95% =	19.000	(▲)
Q3 =	7.000	98% =	20.000	(♦)



Statistical Analysis

Analysis of SB (PPM) from file IJVSILT.DBF

n =	22			
min =	1.000	St.Dev =	84.486	
max =	277.000	Var =	7137.967	
x =	60.182	CV =	1.404	
M =	13.000	90% =	191.000	(↕)
Q1 =	2.500	95% =	200.000	(▲)
Q3 =	93.500	98% =	200.000	(♦)



Statistical Analysis

Analysis of SN (PPM) from file IJVSILT.DBF

n =	22			
min =	10.000	St.Dev =	0.000	
max =	10.000	Var =	0.000	
x =	10.000	CV =	0.000	
M =	10.000	90% =	10.000	(↕)
Q1 =	10.000	95% =	10.000	(▲)
Q3 =	10.000	98% =	10.000	(♦)

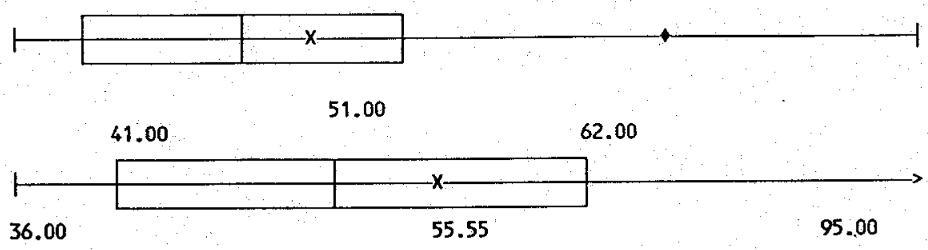
String too long to fit.

Cancel ¤ < Ignore >

Statistical Analysis

Analysis of SR (PPM) from file IJVSILT.DBF

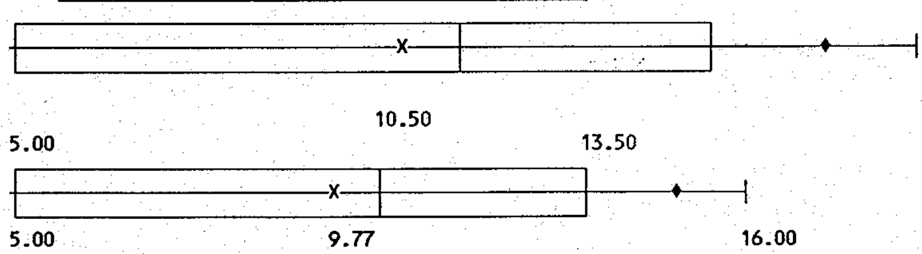
n =	22			
min =	36.000	St.Dev =	18.173	
max =	95.000	Var =	330.248	
x =	55.545	CV =	0.327	
M =	51.000	90% =	79.000	(‡)
Q1 =	41.000	95% =	79.000	(▲)
Q3 =	62.000	98% =	79.000	(♦)



Statistical Analysis

Analysis of TE (PPM) from file IJVSILT.DBF

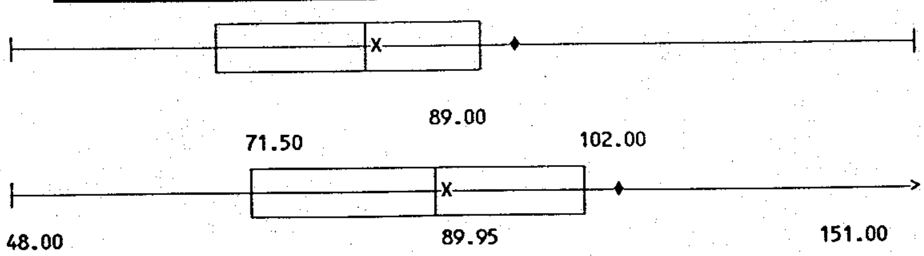
n =	22			
min =	5.000	St.Dev =	4.316	
max =	16.000	Var =	18.630	
x =	9.773	CV =	0.442	
M =	10.500	90% =	15.000	(‡)
Q1 =	5.000	95% =	15.000	(▲)
Q3 =	13.500	98% =	15.000	(♦)



Statistical Analysis

Analysis of V (PPM) from file IJVSILT.DBF

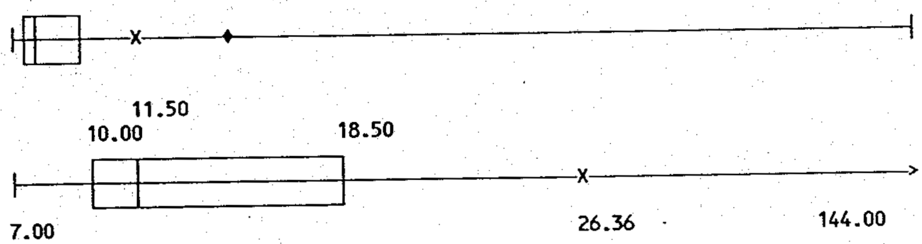
n =	22			
min =	48.000	St.Dev =	25.868	
max =	151.000	Var =	669.134	
x =	89.955	CV =	0.288	
M =	89.000	90% =	106.000	(‡)
Q1 =	71.500	95% =	106.000	(▲)
Q3 =	102.000	98% =	106.000	(♦)



Statistical Analysis

Analysis of Y (PPM) from file IJVSILT.DBF

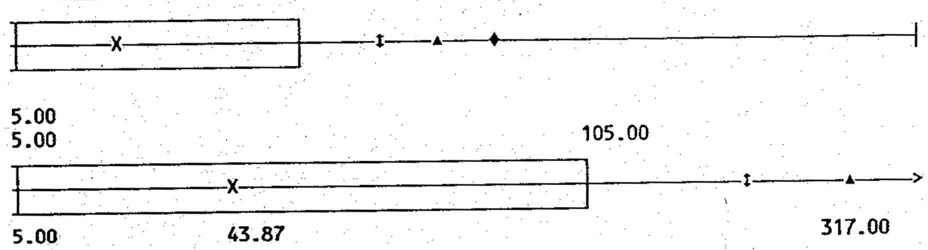
n =	22			
min =	7.000	St.Dev =	38.307	
max =	144.000	Var =	1467.413	
x =	26.364	CV =	1.453	
M =	11.500	90% =	40.000	(↕)
Q1 =	10.000	95% =	40.000	(▲)
Q3 =	18.500	98% =	40.000	(♦)



Statistical Analysis

Analysis of ZN (PPM) from file IJVSILT.DBF

n =	82			
min =	5.000	St.Dev =	70.491	
max =	317.000	Var =	4969.019	
x =	43.866	CV =	1.607	
M =	5.000	90% =	134.000	(↕)
Q1 =	5.000	95% =	152.000	(▲)
Q3 =	105.000	98% =	172.000	(♦)



Statistical Analysis

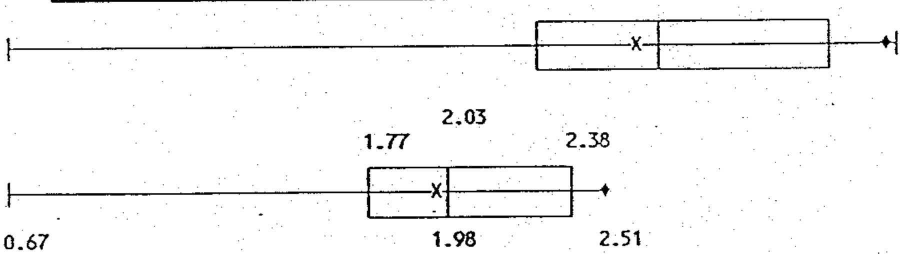
Analysis of AG (PPM) from file IJVMOSS.DBF

n =	24			
min =	0.100	St.Dev =	0.079	
max =	0.400	Var =	0.006	
x =	0.129	CV =	0.611	
M =	0.100	90% =	0.100	(I)
Q1 =	0.100	95% =	0.300	(▲)
Q3 =	0.100	98% =	0.300	(♦)

Statistical Analysis

Analysis of AL (PCT) from file IJVMOSS.DBF

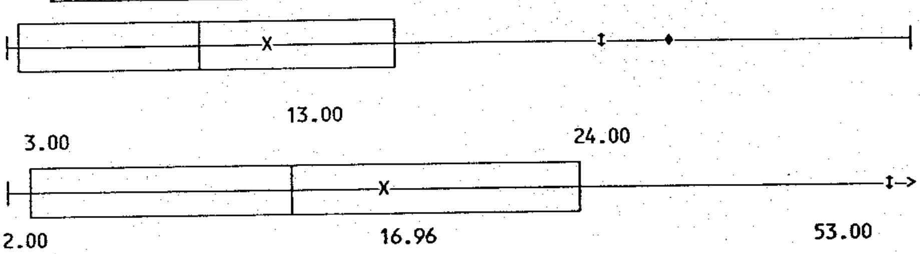
n =	24			
min =	0.670	St.Dev =	0.467	
max =	2.510	Var =	0.218	
x =	1.984	CV =	0.235	
M =	2.030	90% =	2.490	(I)
Q1 =	1.770	95% =	2.500	(▲)
Q3 =	2.380	98% =	2.500	(♦)



Statistical Analysis

Analysis of AS (PPM) from file IJVMOSS.DBF

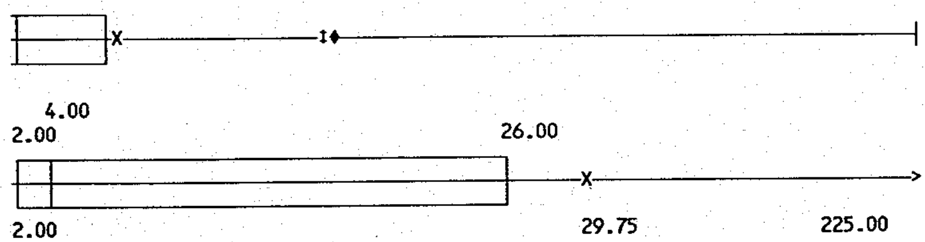
n =	24			
min =	2.000	St.Dev =	14.395	
max =	53.000	Var =	207.207	
x =	16.958	CV =	0.849	
M =	13.000	90% =	36.000	(I)
Q1 =	3.000	95% =	40.000	(▲)
Q3 =	24.000	98% =	40.000	(♦)



Statistical Analysis

Analysis of AU (PPB) from file IJVMOSS.DBF

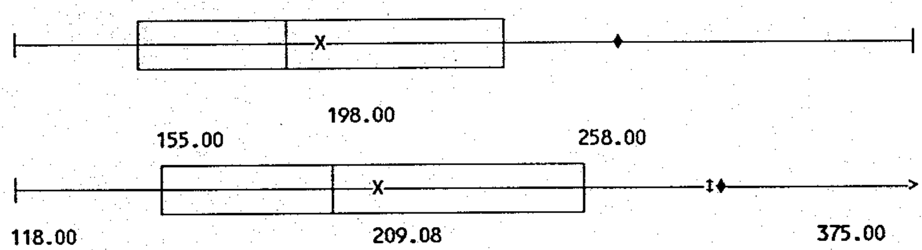
n =	24		
min =	2.000	St.Dev =	51.713
max =	225.000	Var =	2674.188
x =	29.750	CV =	1.738
M =	4.000	90% =	79.000 (↕)
Q1 =	2.000	95% =	82.000 (▲)
Q3 =	26.000	98% =	82.000 (♦)



Statistical Analysis

Analysis of BA (PPM) from file IJVMOSS.DBF

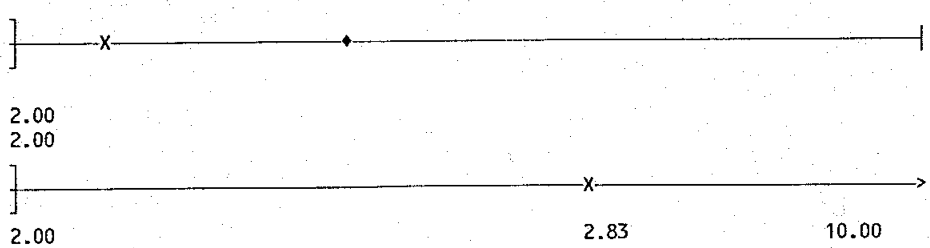
n =	24		
min =	118.000	St.Dev =	66.630
max =	375.000	Var =	4439.576
x =	209.083	CV =	0.319
M =	198.000	90% =	291.000 (↕)
Q1 =	155.000	95% =	293.000 (▲)
Q3 =	258.000	98% =	293.000 (♦)



Statistical Analysis

Analysis of BI (PPM) from file IJVMOSS.DBF

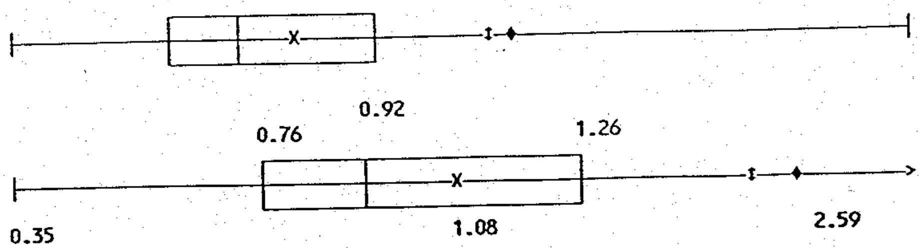
n =	24		
min =	2.000	St.Dev =	2.055
max =	10.000	Var =	4.222
x =	2.833	CV =	0.725
M =	2.000	90% =	5.000 (↕)
Q1 =	2.000	95% =	5.000 (▲)
Q3 =	2.000	98% =	5.000 (♦)



Statistical Analysis

Analysis of CA (PCT) from file IJVMOSS.DBF

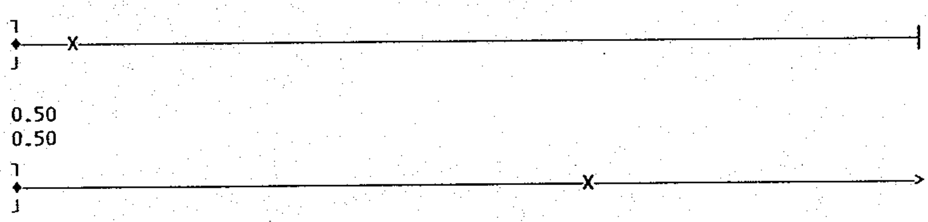
n =	24			
min =	0.350	St.Dev =	0.468	
max =	2.590	Var =	0.219	
x =	1.077	CV =	0.435	
M =	0.920	90% =	1.550	(↕)
Q1 =	0.760	95% =	1.610	(▲)
Q3 =	1.260	98% =	1.610	(♦)



Statistical Analysis

Analysis of CD (PPM) from file IJVMOSS.DBF

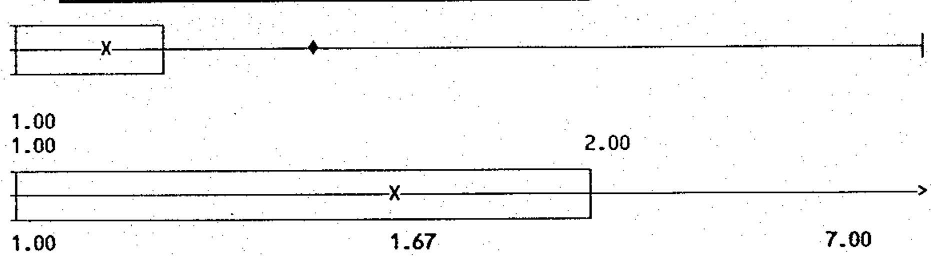
n =	24			
min =	0.500	St.Dev =	1.152	
max =	5.500	Var =	1.328	
x =	0.838	CV =	1.376	
M =	0.500	90% =	0.500	(↕)
Q1 =	0.500	95% =	0.500	(▲)
Q3 =	0.500	98% =	0.500	(♦)



Statistical Analysis

Analysis of CO (PPM) from file IJVMOSS.DBF

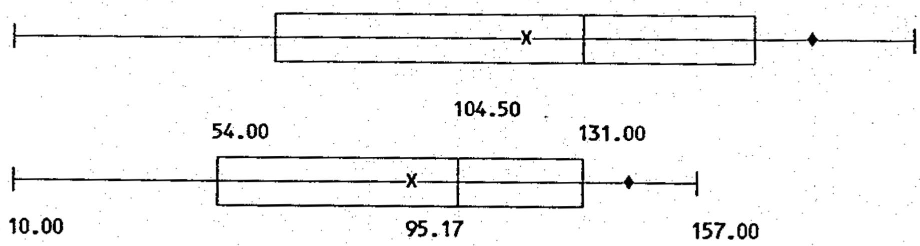
n =	24			
min =	1.000	St.Dev =	1.374	
max =	7.000	Var =	1.889	
x =	1.667	CV =	0.825	
M =	1.000	90% =	3.000	(↕)
Q1 =	1.000	95% =	3.000	(▲)
Q3 =	2.000	98% =	3.000	(♦)



Statistical Analysis

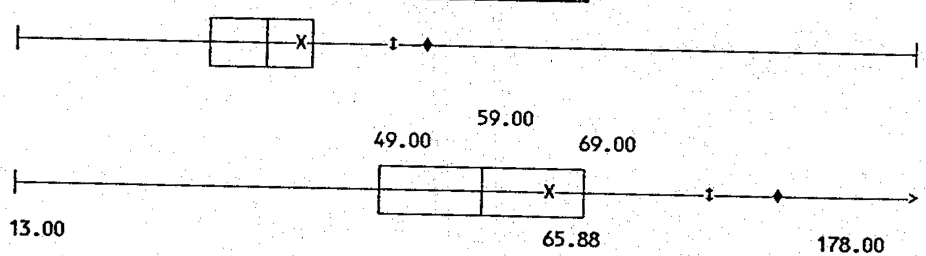
Analysis of CR (PPM) from file IJVMOSS.DBF

n =	24		
min =	10.000	St.Dev =	43.006
max =	157.000	Var =	1849.556
x =	95.167	CV =	0.452
M =	104.500	90% =	141.000 (‡)
Q1 =	54.000	95% =	142.000 (▲)
Q3 =	131.000	98% =	142.000 (♦)



Analysis of CU (PPM) from file IJVMOSS.DBF

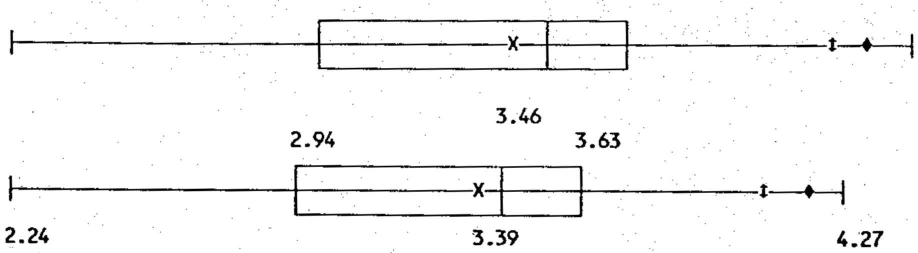
n =	24		
min =	13.000	St.Dev =	32.304
max =	178.000	Var =	1043.526
x =	65.875	CV =	0.490
M =	59.000	90% =	82.000 (‡)
Q1 =	49.000	95% =	89.000 (▲)
Q3 =	69.000	98% =	89.000 (♦)



Statistical Analysis

Analysis of FE (PPM) from file IJVMOSS.DBF

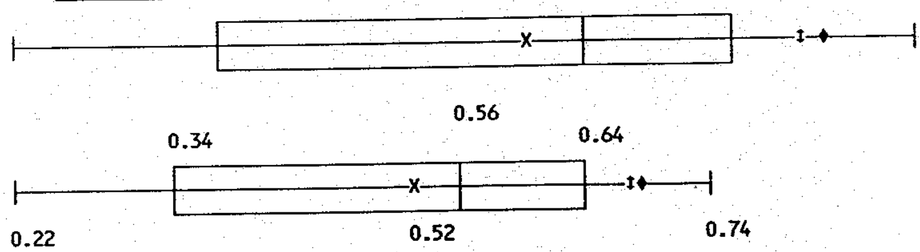
n =	24		
min =	2.240	St.Dev =	0.525
max =	4.270	Var =	0.276
x =	3.387	CV =	0.155
M =	3.460	90% =	4.100 (‡)
Q1 =	2.940	95% =	4.190 (▲)
Q3 =	3.630	98% =	4.190 (♦)



Statistical Analysis

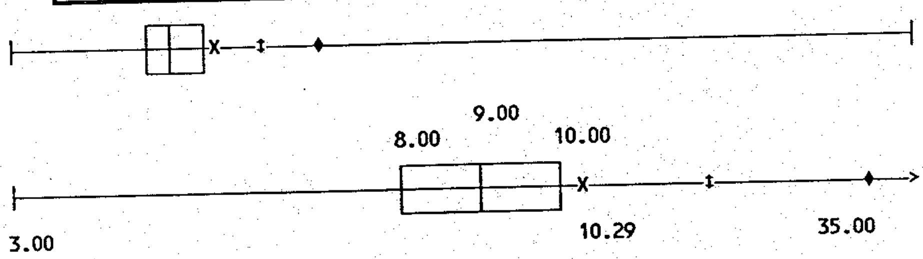
Analysis of K (PCT) from file IJVMOSS.DBF

n =	24			
min =	0.220	St.Dev =	0.155	
max =	0.740	Var =	0.024	
x =	0.518	CV =	0.298	
M =	0.555	90% =	0.680	(‡)
Q1 =	0.340	95% =	0.690	(▲)
Q3 =	0.640	98% =	0.690	(♦)



Analysis of LA (PPM) from file IJVMOSS.DBF

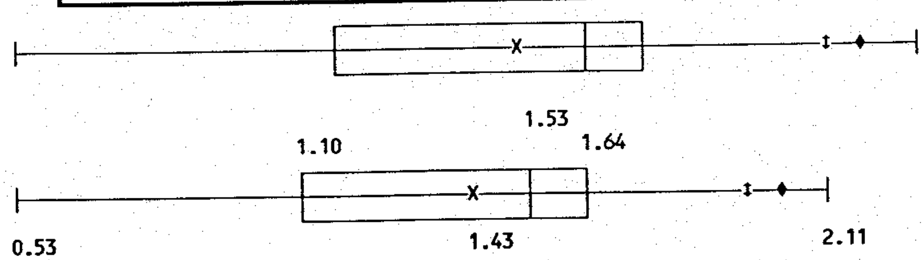
n =	24			
min =	3.000	St.Dev =	5.799	
max =	35.000	Var =	33.623	
x =	10.292	CV =	0.563	
M =	9.000	90% =	12.000	(‡)
Q1 =	8.000	95% =	14.000	(▲)
Q3 =	10.000	98% =	14.000	(♦)



Statistical Analysis

Analysis of MG (PCT) from file IJVMOSS.DBF

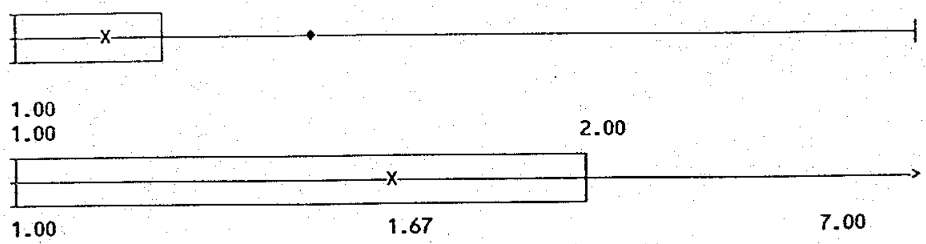
n =	24			
min =	0.530	St.Dev =	0.432	
max =	2.110	Var =	0.187	
x =	1.429	CV =	0.303	
M =	1.530	90% =	1.960	(‡)
Q1 =	1.100	95% =	2.020	(▲)
Q3 =	1.640	98% =	2.020	(♦)



Statistical Analysis

Analysis of MO (PPM) from file IJVMOSS.DBF

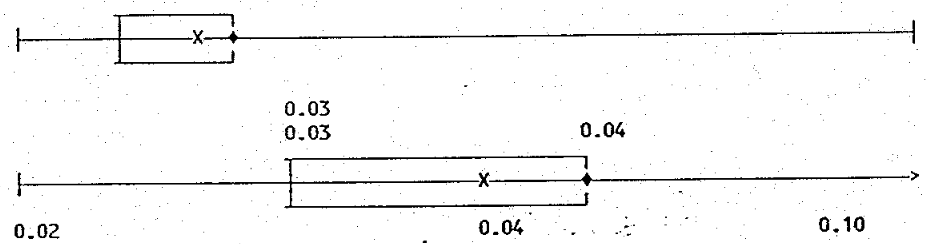
n =	24			
min =	1.000	St.Dev =	1.374	
max =	7.000	Var =	1.889	
x =	1.667	CV =	0.825	
M =	1.000	90% =	3.000	(I)
Q1 =	1.000	95% =	3.000	(▲)
Q3 =	2.000	98% =	3.000	(♦)



Statistical Analysis

Analysis of NA (PCT) from file IJVMOSS.DBF

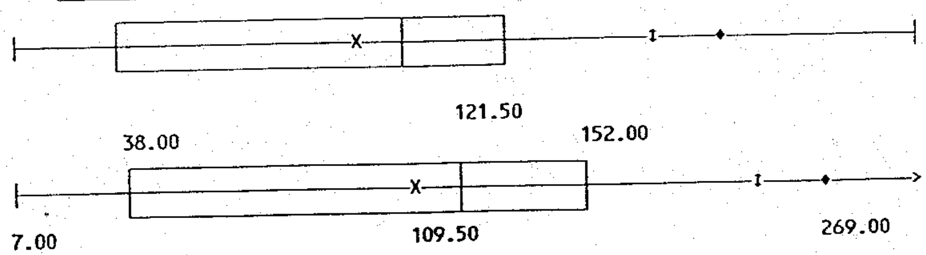
n =	24			
min =	0.020	St.Dev =	0.015	
max =	0.100	Var =	0.000	
x =	0.037	CV =	0.414	
M =	0.030	90% =	0.040	(I)
Q1 =	0.030	95% =	0.040	(▲)
Q3 =	0.040	98% =	0.040	(♦)



Statistical Analysis

Analysis of NI (PPM) from file IJVMOSS.DBF

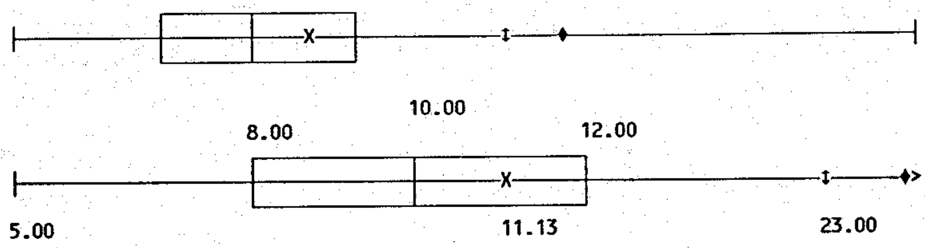
n =	24			
min =	7.000	St.Dev =	73.046	
max =	269.000	Var =	5335.667	
x =	109.500	CV =	0.667	
M =	121.500	90% =	196.000	(I)
Q1 =	38.000	95% =	214.000	(▲)
Q3 =	152.000	98% =	214.000	(♦)



Statistical Analysis

Analysis of PB (PPM) from file IJVMOSS.DBF

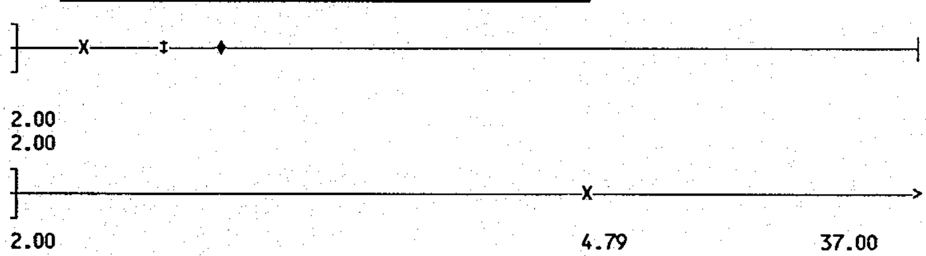
n =	24			
min =	5.000	St.Dev =	4.045	
max =	23.000	Var =	16.359	
x =	11.125	CV =	0.364	
M =	10.000	90% =	15.000	(↕)
Q1 =	8.000	95% =	16.000	(▲)
Q3 =	12.000	98% =	16.000	(♦)



Statistical Analysis

Analysis of SB (PPM) from file IJVMOSS.DBF

n =	24			
min =	2.000	St.Dev =	7.450	
max =	37.000	Var =	55.498	
x =	4.792	CV =	1.555	
M =	2.000	90% =	8.000	(↕)
Q1 =	2.000	95% =	10.000	(▲)
Q3 =	2.000	98% =	10.000	(♦)



Statistical Analysis

Analysis of SN (PPM) from file IJVMOSS.DBF

n =	24			
min =	10.000	St.Dev =	0.000	
max =	10.000	Var =	0.000	
x =	10.000	CV =	0.000	
M =	10.000	90% =	10.000	(↕)
Q1 =	10.000	95% =	10.000	(▲)
Q3 =	10.000	98% =	10.000	(♦)

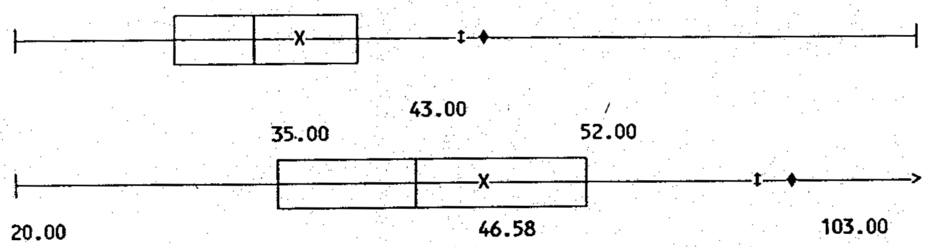
String too long to fit.

³ Cancel ¤ < Ignore >

Statistical Analysis

Analysis of SR (PPM) from file IJVMOSS.DBF

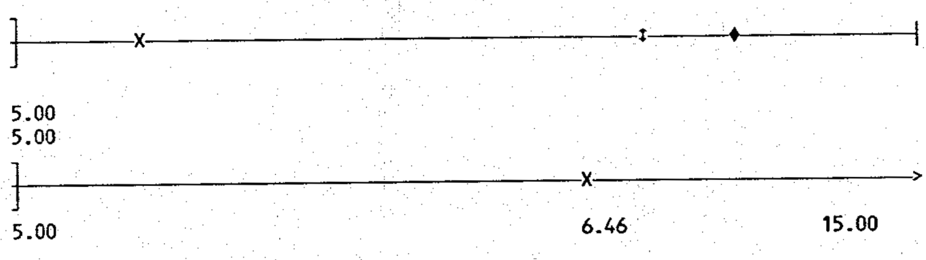
n =	24			
min =	20.000	St.Dev =	19.664	
max =	103.000	Var =	386.660	
x =	46.583	CV =	0.422	
M =	43.000	90% =	62.000	(↕)
Q1 =	35.000	95% =	64.000	(▲)
Q3 =	52.000	98% =	64.000	(♦)



Statistical Analysis

Analysis of TE (PPM) from file IJVMOSS.DBF

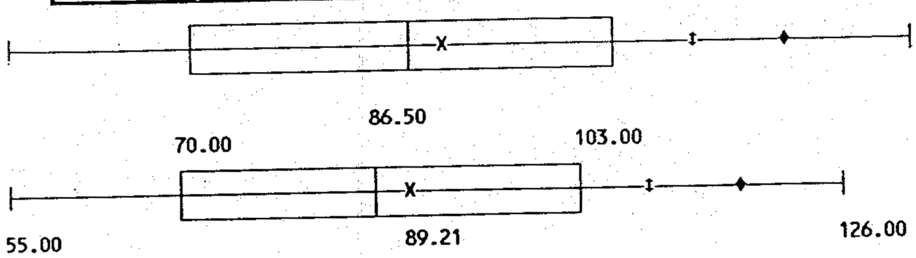
n =	24			
min =	5.000	St.Dev =	3.304	
max =	15.000	Var =	10.915	
x =	6.458	CV =	0.512	
M =	5.000	90% =	12.000	(↕)
Q1 =	5.000	95% =	13.000	(▲)
Q3 =	5.000	98% =	13.000	(♦)



Statistical Analysis

Analysis of V (PPM) from file IJVMOSS.DBF

n =	24			
min =	55.000	St.Dev =	19.702	
max =	126.000	Var =	388.165	
x =	89.208	CV =	0.221	
M =	86.500	90% =	109.000	(↕)
Q1 =	70.000	95% =	117.000	(▲)
Q3 =	103.000	98% =	117.000	(♦)



Statistical Analysis

Analysis of W (PPM) from file IJVMOSS.DBF

n =	24			
min =	10.000	St.Dev =	0.000	
max =	10.000	Var =	0.000	
x =	10.000	CV =	0.000	
M =	10.000	90% =	10.000	(‡)
Q1 =	10.000	95% =	10.000	(▲)
Q3 =	10.000	98% =	10.000	(♦)

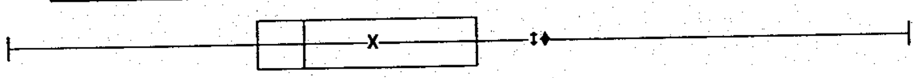
String too long to fit.

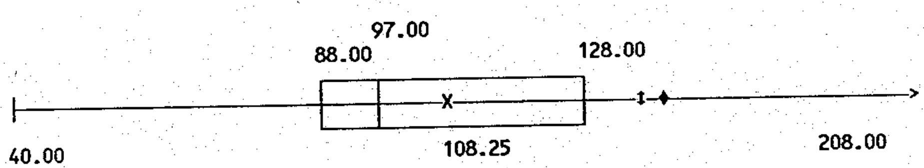
› Cancel ¤ < Ignore >

Statistical Analysis

Analysis of ZN (PPM) from file IJVMOSS.DBF

n =	24			
min =	40.000	St.Dev =	35.879	
max =	208.000	Var =	1287.271	
x =	108.250	CV =	0.331	
M =	97.000	90% =	138.000	(‡)
Q1 =	88.000	95% =	142.000	(▲)
Q3 =	128.000	98% =	142.000	(♦)





APPENDIX E

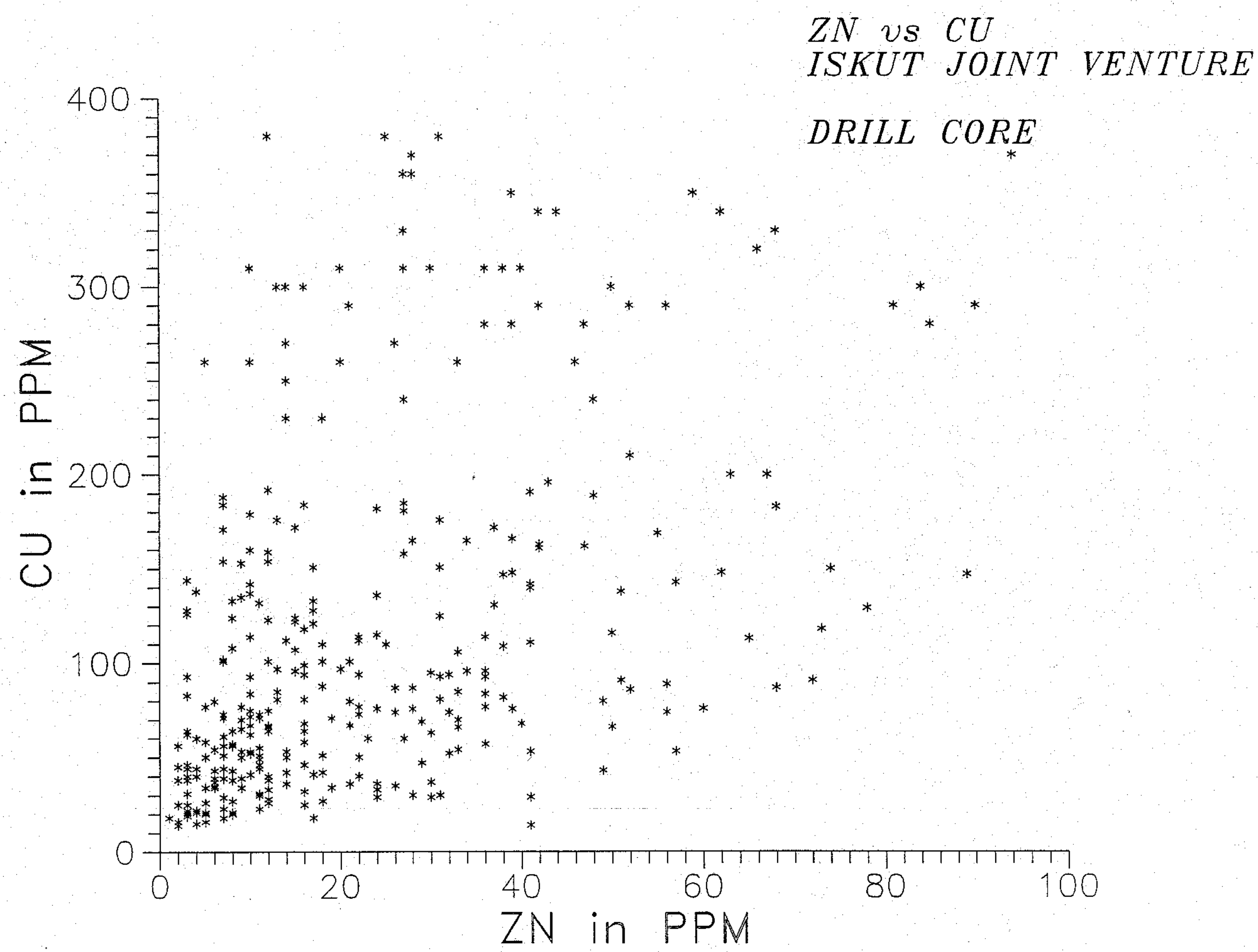
BIVARIATE STATISTICS

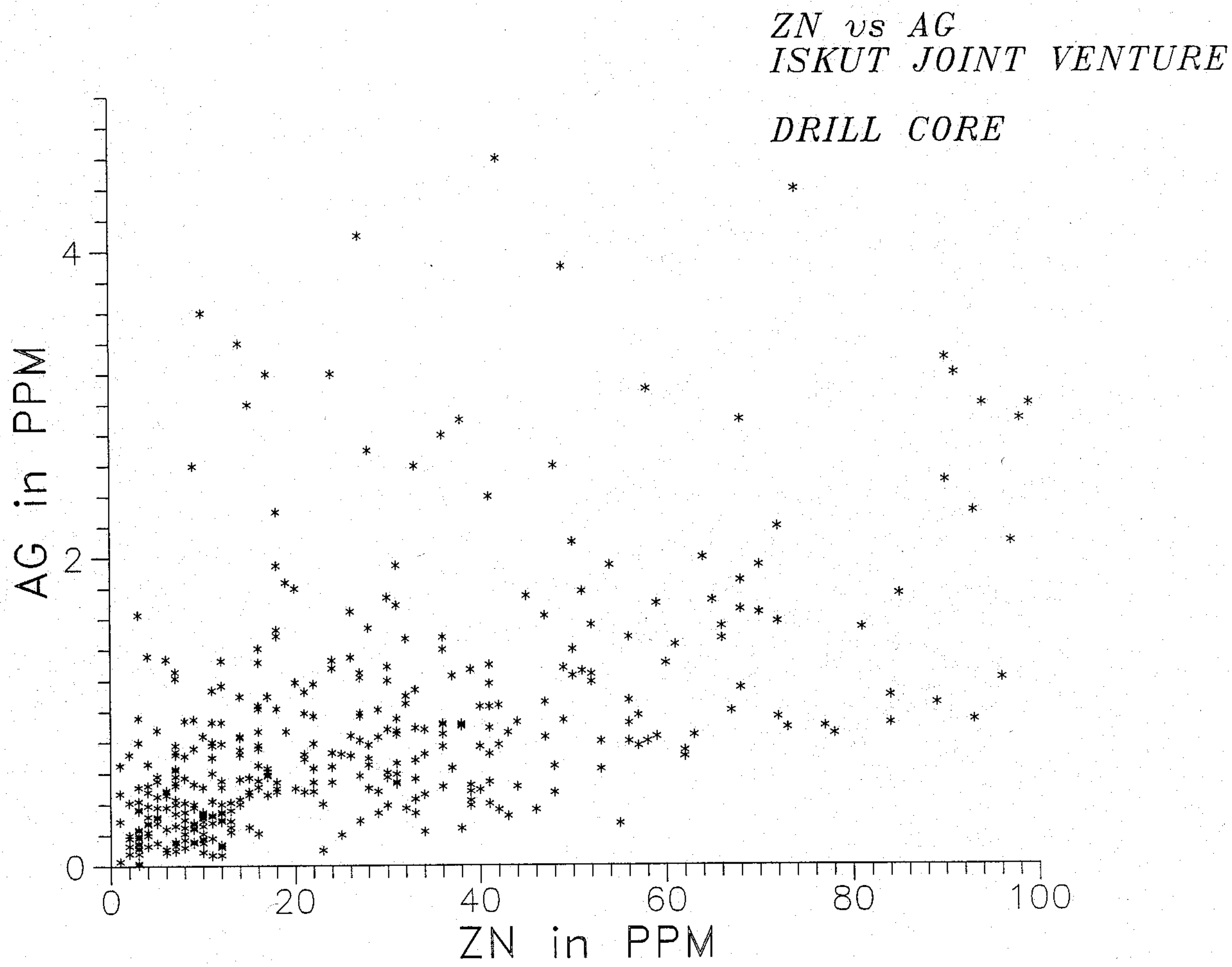
CORRELATION COEFFICIENTS FOR DRILL CORE: ISKUT JOINT VENTURE PROPERTY

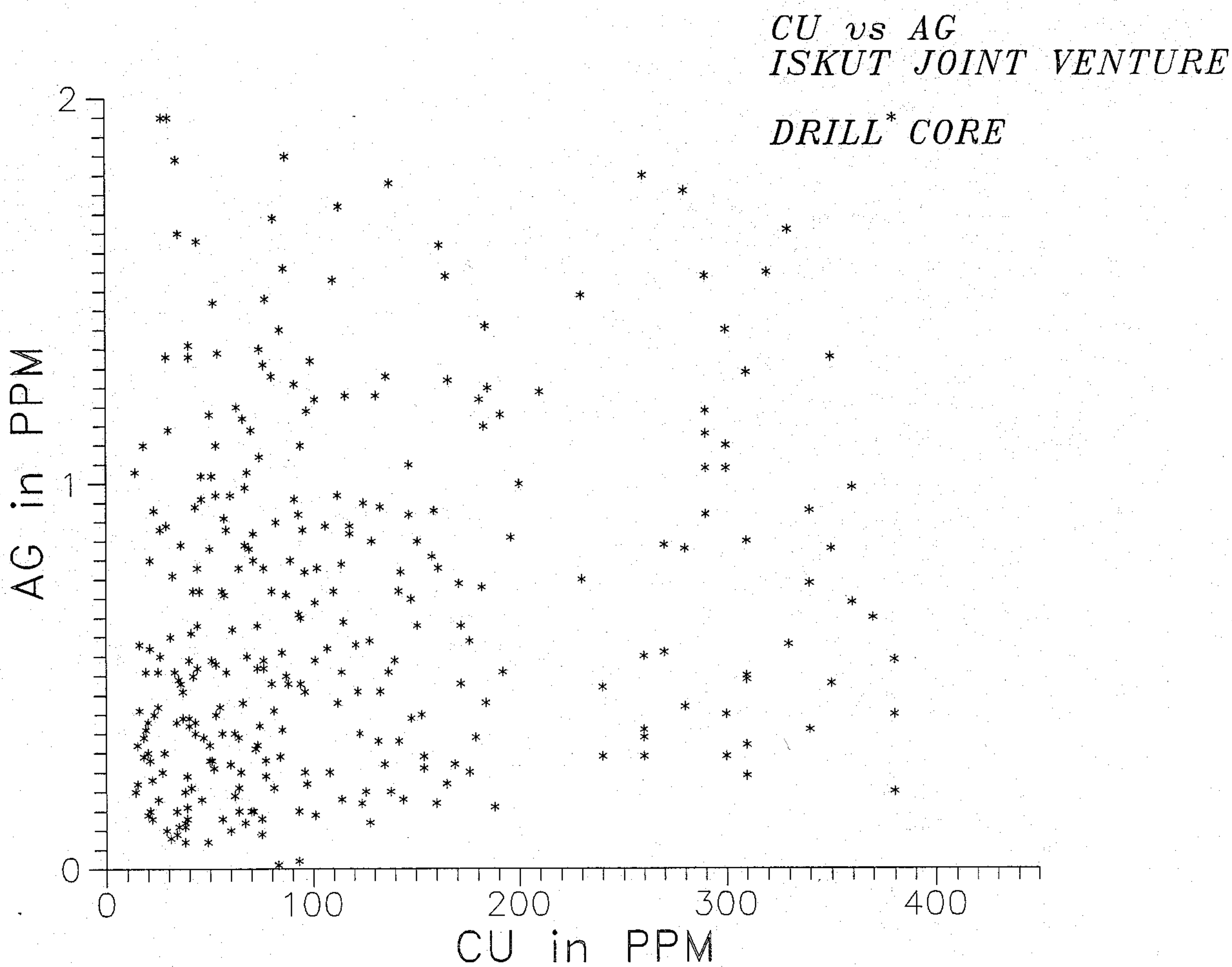
NORMAL VS LN DISTRIBUTIONS: PEARSON / SPEARMAN

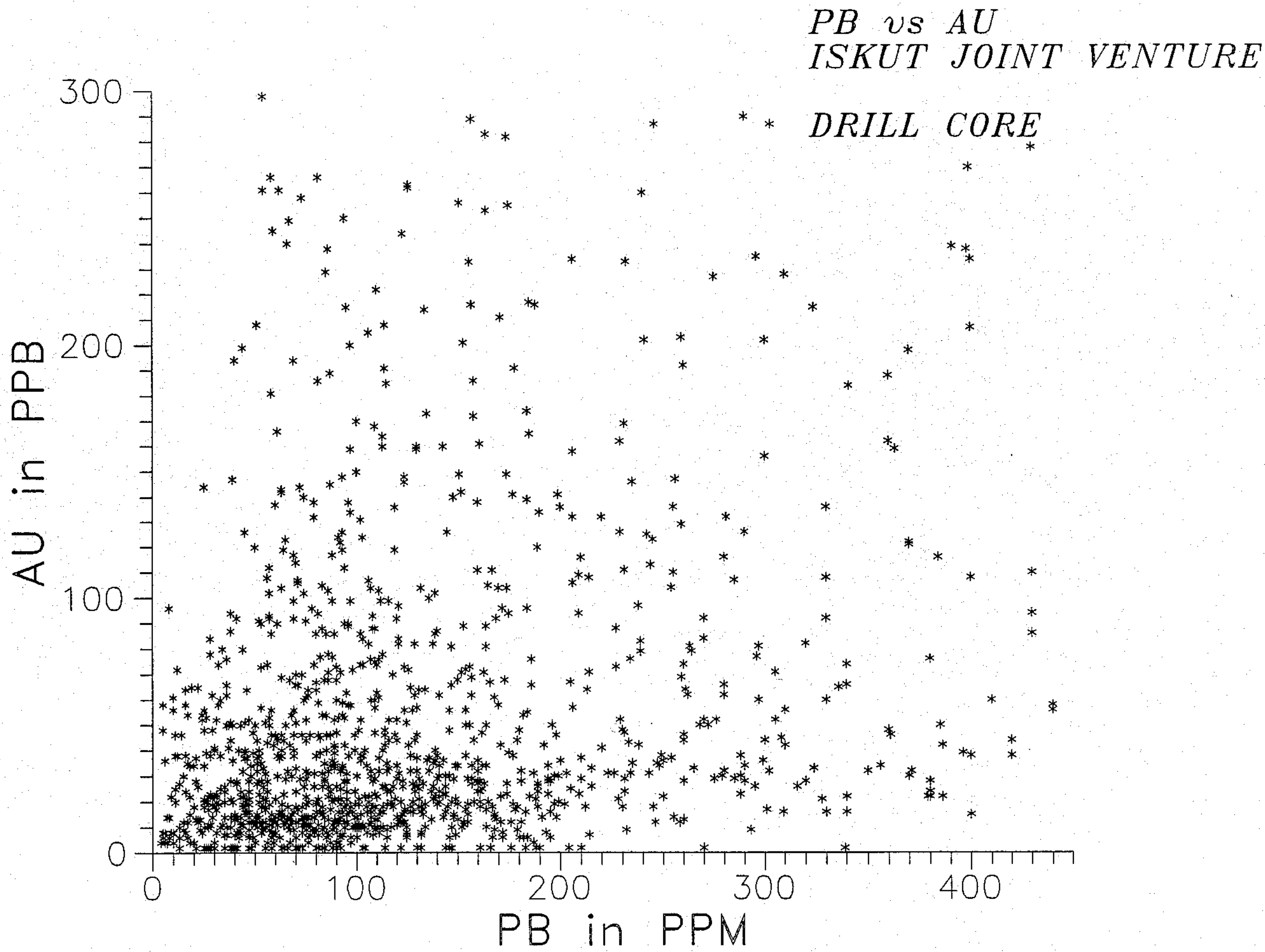
Upper triangle: NORMAL DISTRIBUTION; lower triangle: LN. Each cell: Pearson (top) / Spearman (bottom).

	AU	AG	CU	PB	ZN	AS
AU		0.246 0.172	0.243 0.002	0.251 0.417	0.073 0.143	0.035 0.263
AG	0.179 0.172		0.220 0.451	0.261 0.418	0.686 0.681	0.104 0.177
CU	0.077 −0.003	0.457 0.448		0.158 0.318	0.338 0.681	**** ****
PB	0.406 0.416	0.379 0.417	0.315 0.314		0.148 0.244	0.022 −0.055
ZN	0.153 0.140	0.684 0.680	0.707 0.679	0.272 0.241		**** ****
AS	0.286 0.263	0.201 0.177	**** ****	−0.073 −0.057	**** ****	

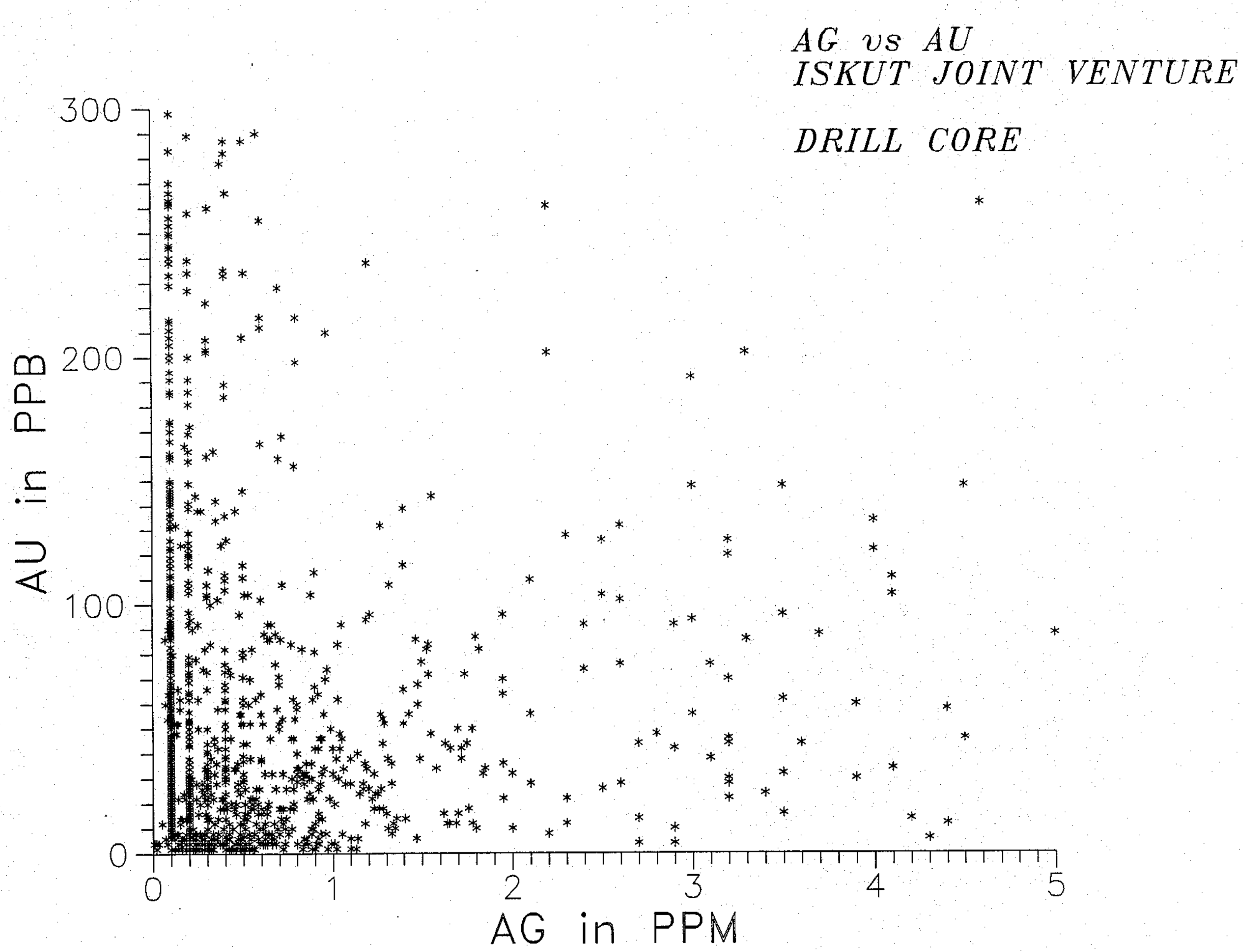

ZN vs CU
ISKUT JOINT VENTURE
DRILL CORE
CU in PPM
ZN in PPM
0
100
200
300
400
0
20
40
60
80
100


ZN vs AG
ISKUT JOINT VENTURE
DRILL CORE
AG in PPM
ZN in PPM
0
2
4
0
20
40
60
80
100


CU vs AG
ISKUT JOINT VENTURE
DRILL* CORE
AG in PPM
CU in PPM
0
1
2
0
100
200
300
400



PB vs AU
ISKUT JOINT VENTURE
DRILL CORE
AU in PPB
300
200
100
0
0
100
200
300
400
PB in PPM

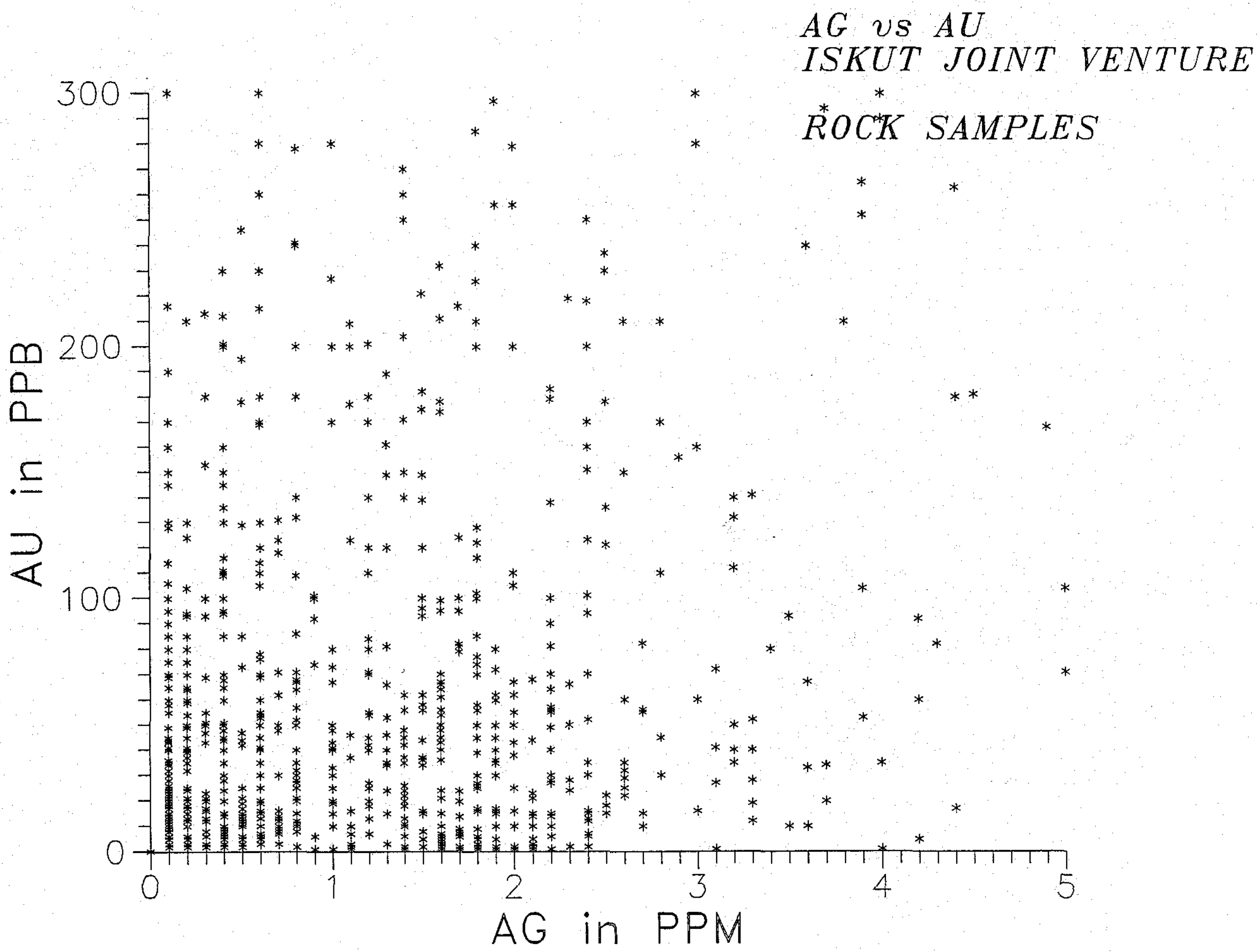

AG vs AU
ISKUT JOINT VENTURE
DRILL CORE
AU in PPB
300
200
100
0
0
1
2
3
4
5
AG in PPM

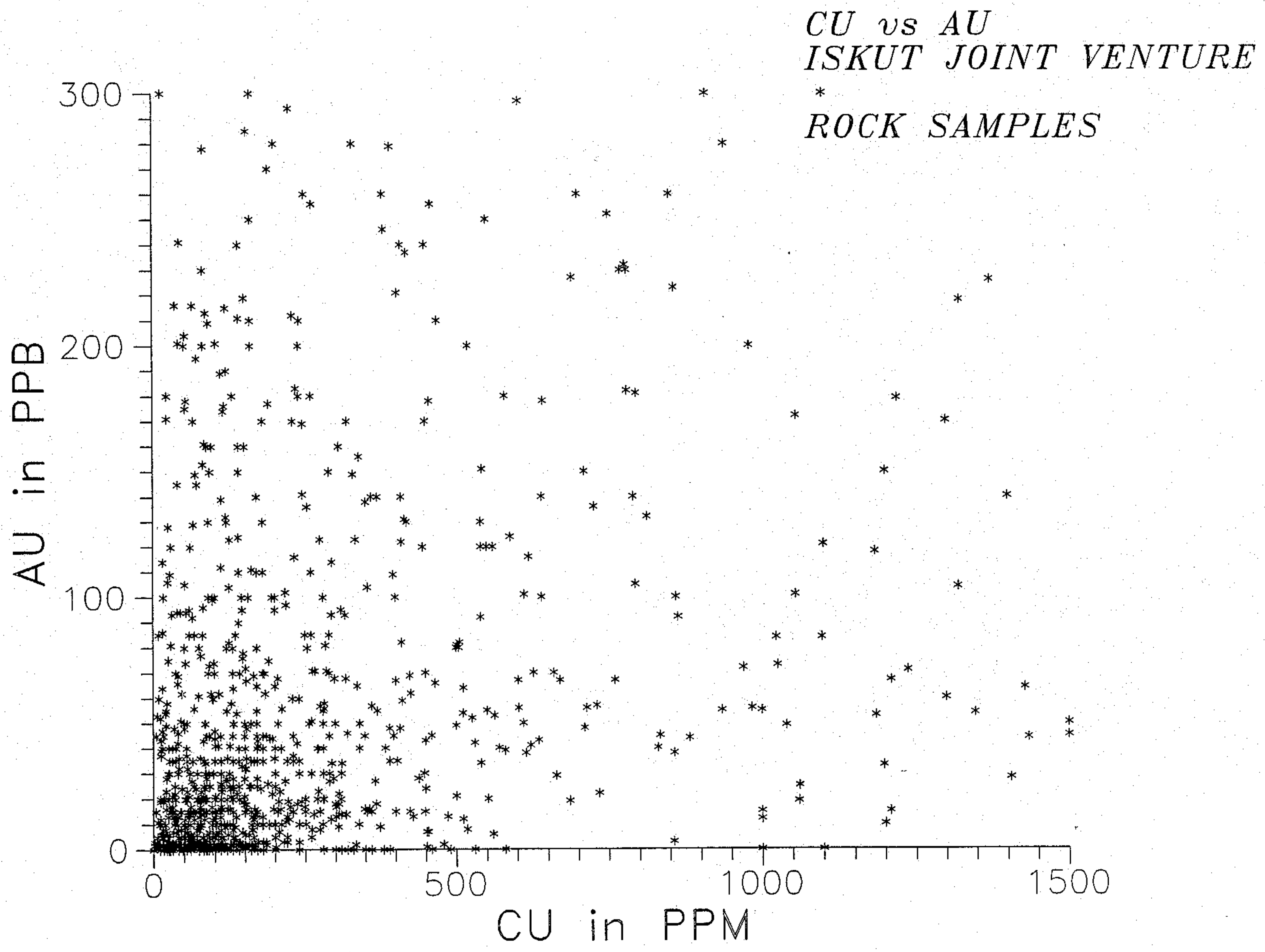
CORRELATION COEFFICIENTS FOR ROCKS: ISKUT JOINT VENTURE PROPERTY

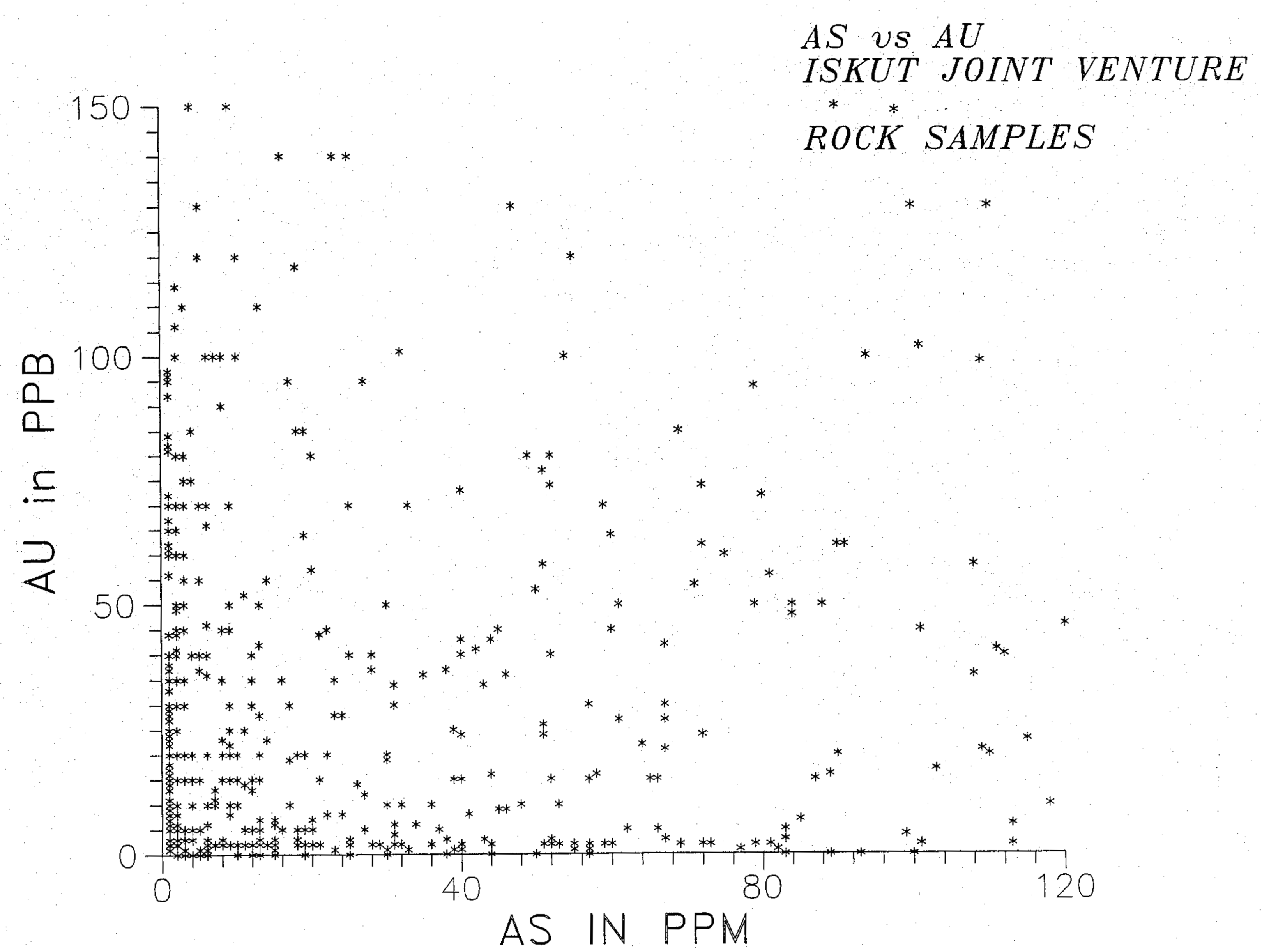
NORMAL VS LN DISTRIBUTIONS: PEARSON
SPEARMAN

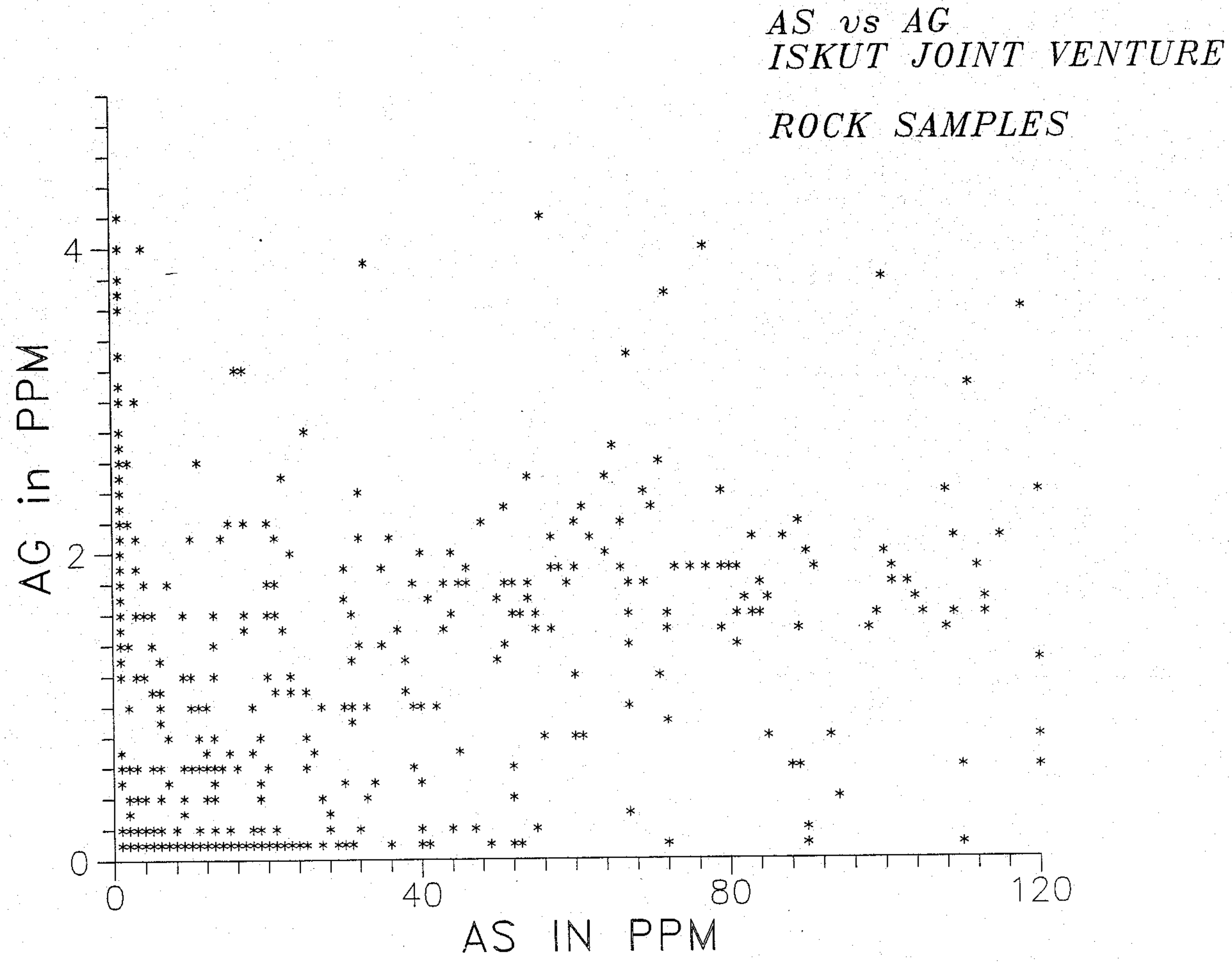
NORMAL DISTRIBUTION (upper right); LN (lower left)

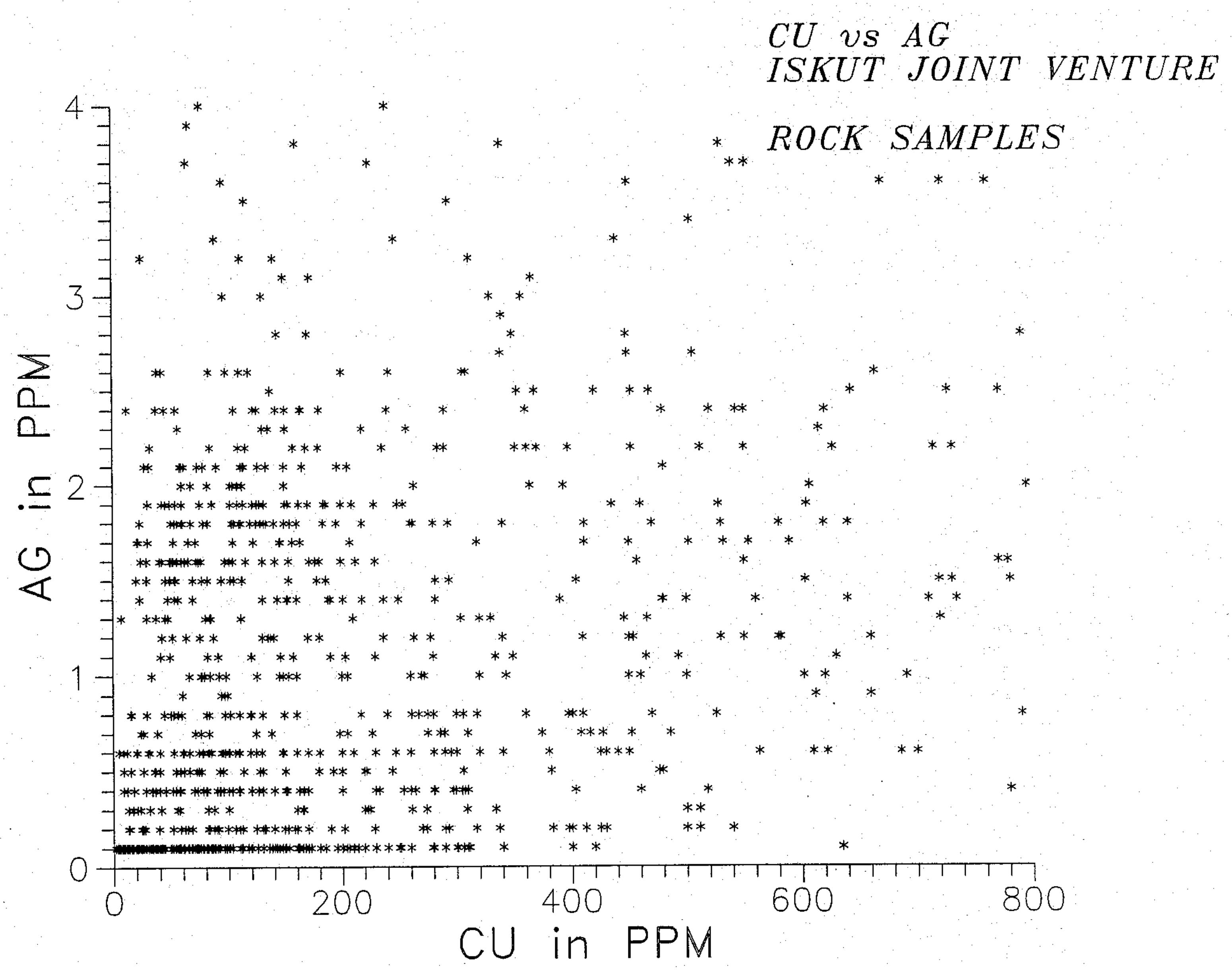
	AU	AG	CU	PB	ZN	AS	MO	NI	CO	CD	SB	FE	TE	CR	V	MG	K	SR
AU		0.399 0.696	0.290 0.655	0.041 0.329	0.192 0.144	0.283 0.451	0.020 0.093	0.036 0.133	−0.003 0.211	0.009 0.243	0.014 0.189	−0.045 0.141	0.415 0.133	0.229 0.134	−0.092 −0.051	−0.066 −0.022	−0.055 0.003	−0.077 −0.163
AG	0.639 0.694		0.658 0.645	0.550 0.529	0.307 0.425	0.277 0.515	0.073 0.066	−0.067 0.007	−0.007 0.193	0.033 0.286	0.033 0.081	0.069 0.189	−0.049 0.000	0.021 0.168	−0.034 −0.031	−0.053 −0.059	−0.127 −0.080	−0.086 −0.108
CU	0.646 0.663	0.653 0.644		0.004 0.173	0.046 0.173	0.200 0.339	0.083 0.258	−0.023 0.360	0.169 0.624	−0.022 0.002	0.029 0.173	0.137 0.595	−0.041 0.240	0.106 0.153	0.033 0.517	−0.017 0.448	0.023 0.442	−0.070 0.194
PB	0.324 0.328	0.554 0.528	0.207 0.172		0.336 0.663	0.131 0.533	−0.020 0.077	0.017 0.241	0.036 0.304	0.835 0.415	0.013 0.367	0.133 0.295	−0.048 0.223	−0.043 −0.026	−0.022 0.204	0.042 0.188	0.008 0.140	−0.050 0.074
ZN	0.217 0.142	0.429 0.423	0.265 0.170	0.651 0.662		0.024 0.265	−0.049 −0.140	0.112 0.366	0.128 0.599	0.887 0.298	0.000 0.193	0.236 0.715	0.044 0.278	−0.080 −0.206	0.158 0.734	0.172 0.704	0.173 0.712	−0.059 0.227
AS	0.448 0.525	0.415 0.515	0.299 0.362	0.519 0.532	0.228 0.262		−0.026 0.035	0.104 0.408	0.122 0.349	0.145 0.312	0.016 0.296	0.050 0.197	0.022 0.443	−0.042 0.125	−0.024 0.183	0.021 0.236	−0.035 0.196	0.338 0.255
MO	0.118 0.091	0.122 0.063	0.234 0.256	0.203 0.075	−0.047 −0.144	0.203 0.033		−0.016 −0.048	0.011 0.061	−0.042 −0.043	−0.003 0.118	0.051 0.085	−0.087 0.011	0.009 0.055	−0.047 0.014	−0.071 −0.101	−0.029 0.031	−0.044 0.048
NI	0.187 0.128	0.030 0.000	0.389 0.352	0.238 0.233	0.352 0.357	0.357 0.403	−0.060 −0.055		0.415 0.540	0.008 0.043	0.285 0.271	0.299 0.362	0.272 0.301	0.602 0.562	0.284 0.405	0.725 0.703	0.395 0.439	−0.011 0.078
CO	0.204 0.205	0.176 0.187	0.605 0.617	0.380 0.294	0.640 0.592	0.355 0.342	0.061 0.053	0.602 0.535		−0.007 0.023	0.176 0.256	0.742 0.780	0.236 0.292	0.029 0.003	0.610 0.731	0.562 0.684	0.538 0.630	0.066 0.250
CD	0.203 0.235	0.218 0.280	−0.037 −0.036	0.527 0.402	0.424 0.272	0.274 0.301	−0.053 −0.066	0.061 0.018	0.024 −0.011		0.138 0.180	0.065 0.082	−0.063 −0.045	−0.036 0.027	−0.054 −0.024	0.012 0.050	0.003 0.056	−0.057 −0.014
SB	0.081 0.187	−0.106 0.079	0.088 0.170	0.287 0.366	0.158 0.190	0.365 0.294	0.204 0.117	0.199 0.266	0.235 0.249	0.082 0.165		0.205 0.232	0.646 0.712	0.132 0.108	0.313 0.311	0.258 0.256	0.267 0.263	0.081 0.149
FE	0.151 0.133	0.189 0.181	0.541 0.586	0.430 0.283	0.716 0.708	0.225 0.187	0.154 0.075	0.389 0.353	0.830 0.776	0.064 0.042	0.217 0.222		0.311 0.304	−0.112 −0.126	0.778 0.849	0.685 0.754	0.740 0.784	0.015 0.233
TE	0.111 0.129	−0.073 −0.005	0.188 0.232	0.124 0.216	0.269 0.270	0.285 0.439	−0.008 0.006	0.350 0.296	0.361 0.285	−0.084 −0.068	0.568 0.710	0.349 0.296		0.164 0.127	0.457 0.426	0.425 0.382	0.448 0.403	0.065 0.142
CR	0.155 0.126	0.150 0.160	0.159 0.136	−0.133 −0.044	−0.263 −0.232	0.122 0.114	0.107 0.045	0.509 0.557	−0.078 −0.016	0.017 −0.013	0.083 0.097	−0.170 −0.151	0.069 0.118		−0.102 −0.129	0.276 0.120	−0.007 −0.045	−0.194 −0.223
V	−0.037 −0.060	0.000 −0.041	0.491 0.507	0.296 0.192	0.697 0.729	0.199 0.173	0.071 0.003	0.442 0.397	0.796 0.727	−0.016 −0.065	0.235 0.303	0.889 0.846	0.395 0.421	−0.162 −0.153		0.737 0.841	0.818 0.847	0.140 0.377
MG	−0.063 −0.030	−0.092 −0.069	0.377 0.438	0.281 0.176	0.725 0.699	0.205 0.227	−0.120 −0.112	0.631 0.700	0.759 0.679	0.059 0.015	0.175 0.248	0.784 0.749	0.384 0.376	−0.053 0.102	0.885 0.838		0.807 0.853	0.046 0.287
K	−0.017 −0.005	−0.045 −0.090	0.380 0.432	0.325 0.127	0.670 0.707	0.268 0.187	0.182 0.022	0.309 0.432	0.657 0.624	0.062 0.021	0.217 0.256	0.807 0.780	0.343 0.397	−0.118 −0.065	0.836 0.844	0.763 0.851		0.076 0.307
SR	−0.151 −0.174	−0.108 −0.120	0.197 0.178	0.295 0.058	0.389 0.210	0.348 0.246	0.105 0.037	0.083 0.065	0.403 0.236	−0.009 −0.056	0.126 0.140	0.445 0.215	0.110 0.133	−0.299 −0.250	0.561 0.364	0.484 0.273	0.556 0.293	


AG vs AU
ISKUT JOINT VENTURE
ROCK SAMPLES
AU in PPB
AG in PPM
0
100
200
300
0
1
2
3
4
5

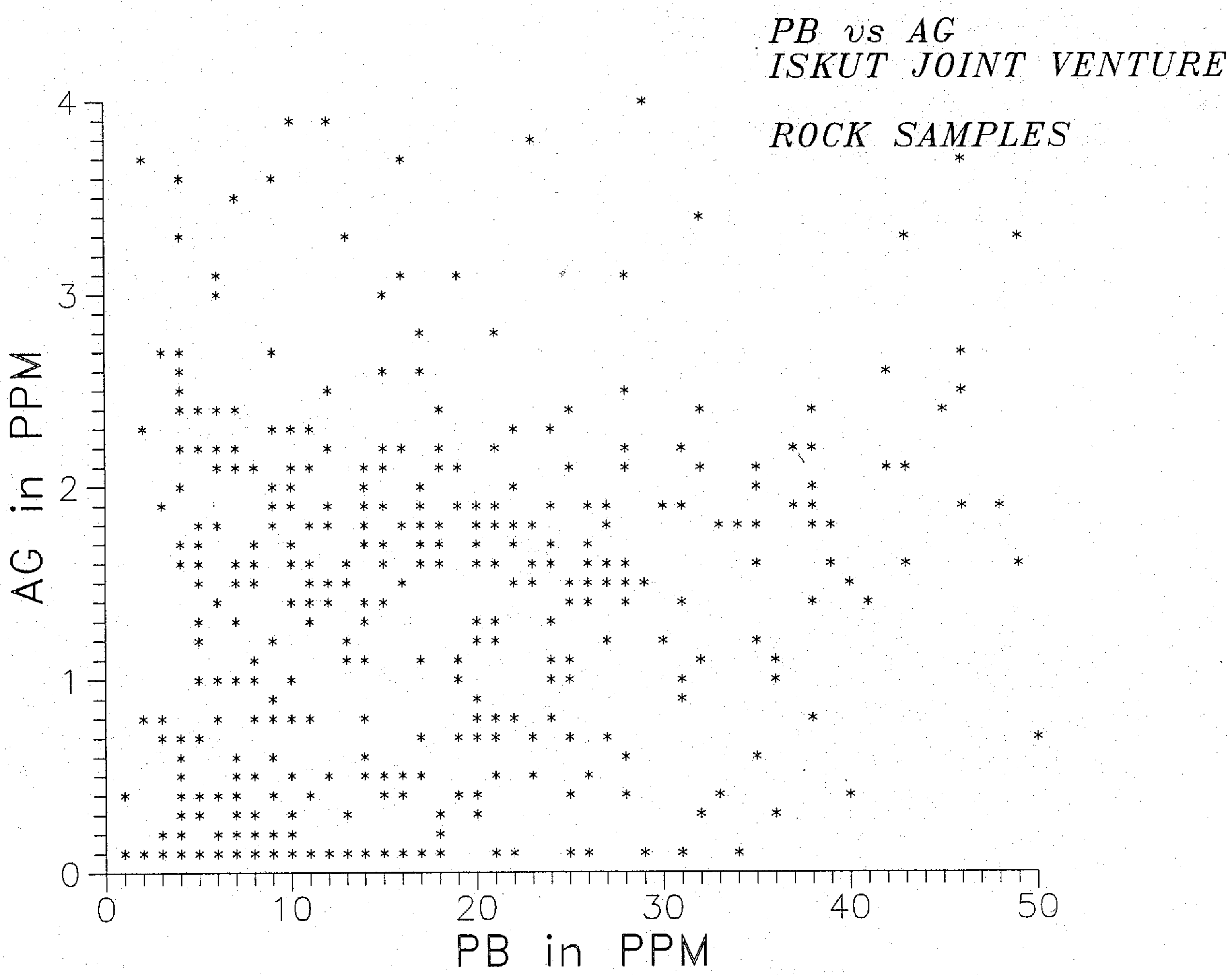

CU vs AU
ISKUT JOINT VENTURE
*
ROCK SAMPLES
300
200
100
0
AU in PPB
0
500
1000
1500
CU in PPM

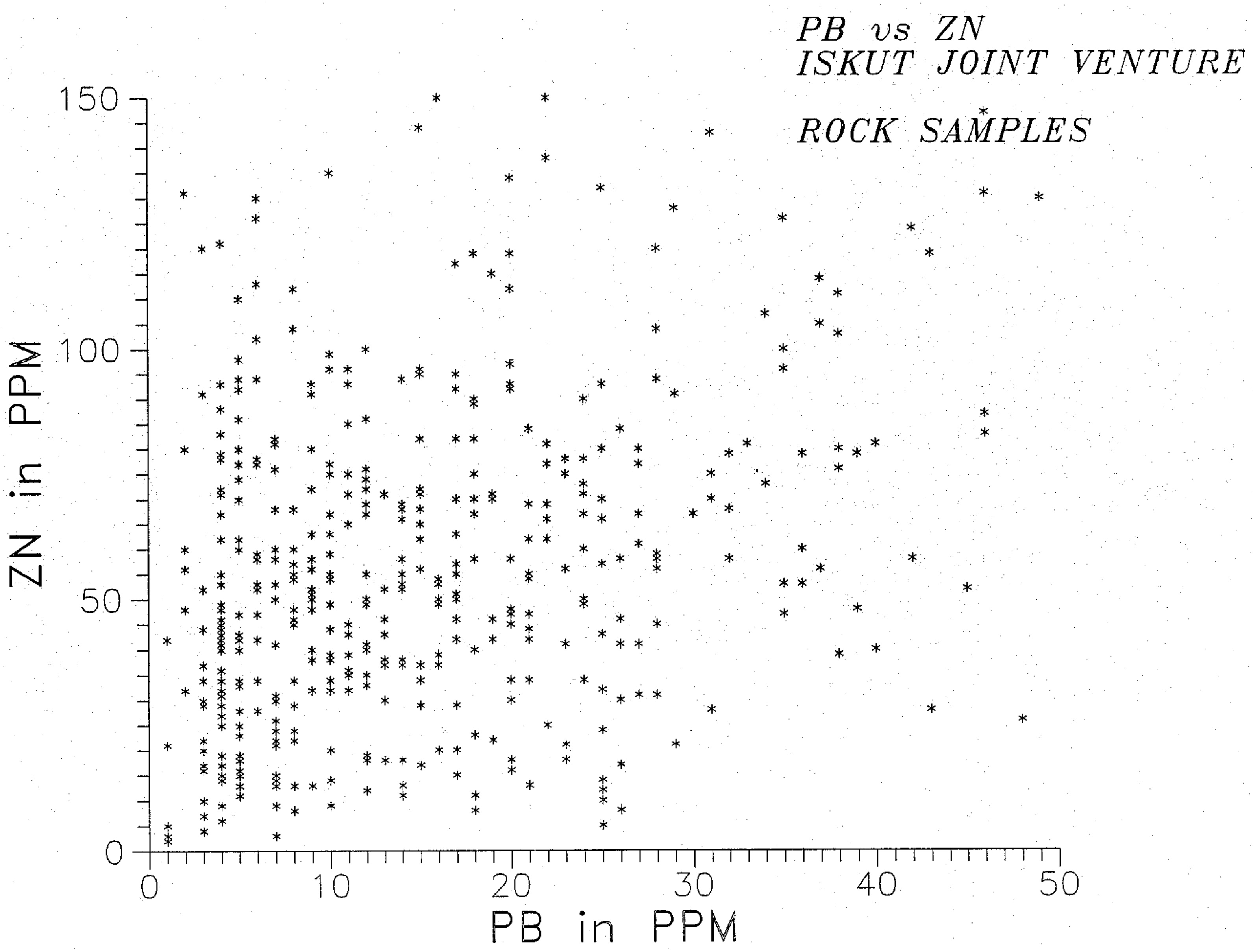

AS vs AU
ISKUT JOINT VENTURE
* *
ROCK SAMPLES
AU in PPB
150
100
50
0
40
80
120
AS IN PPM


AS vs AG
ISKUT JOINT VENTURE
ROCK SAMPLES
AG in PPM
0
2
4
0
40
80
120
AS IN PPM

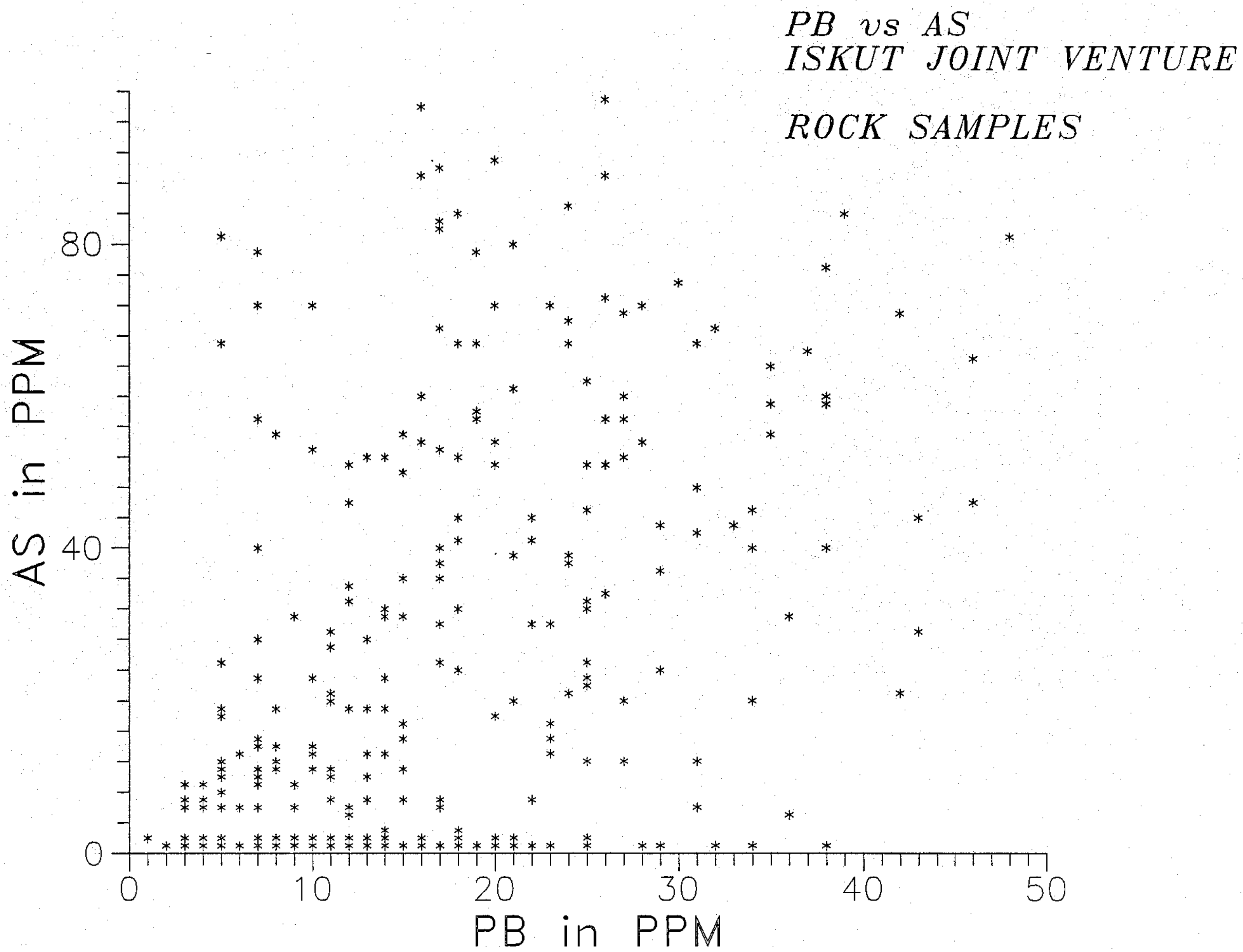


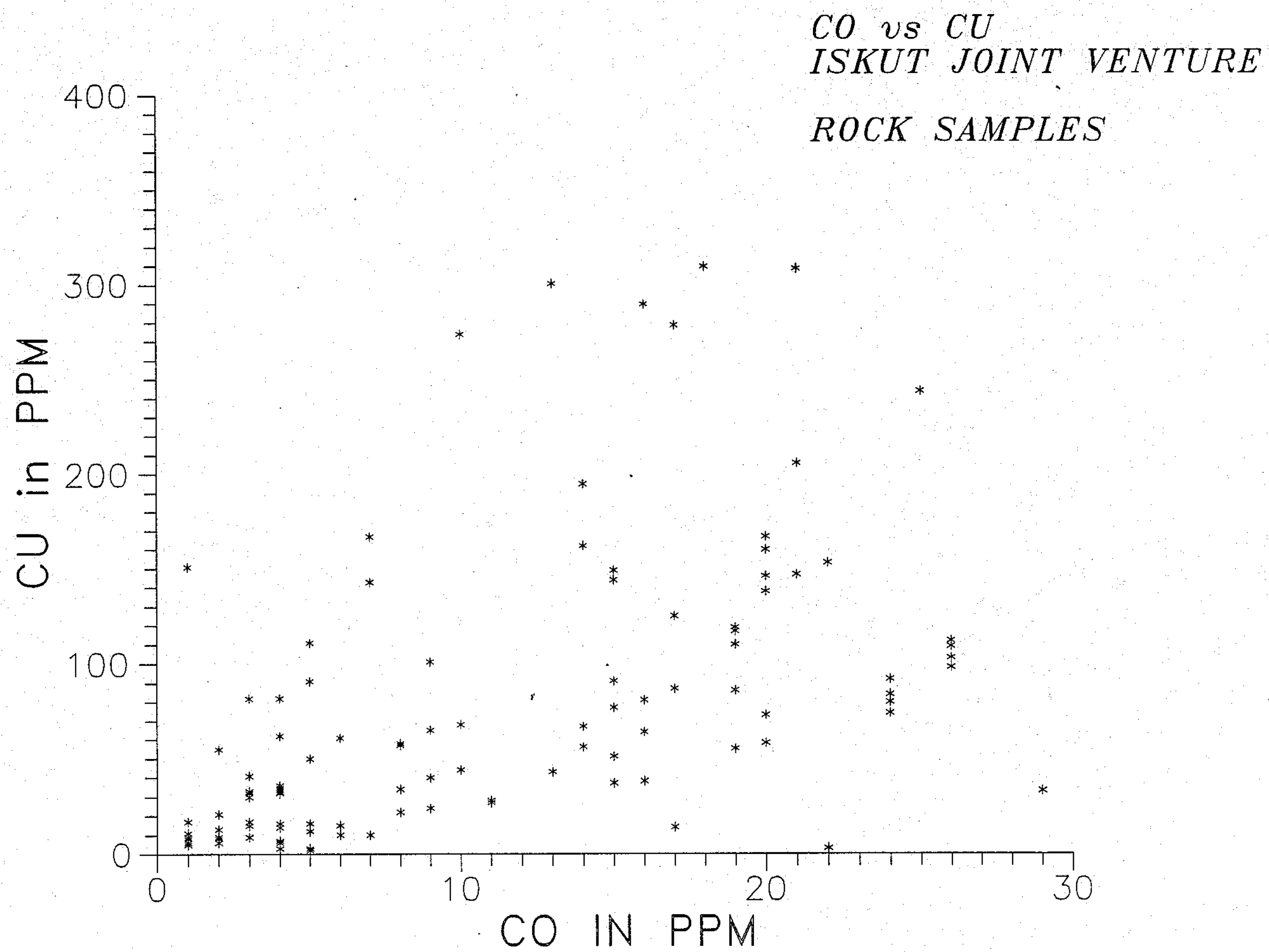
CU vs AG
ISKUT JOINT VENTURE
ROCK SAMPLES
AG in PPM
CU in PPM
0
1
2
3
4
0
200
400
600
800

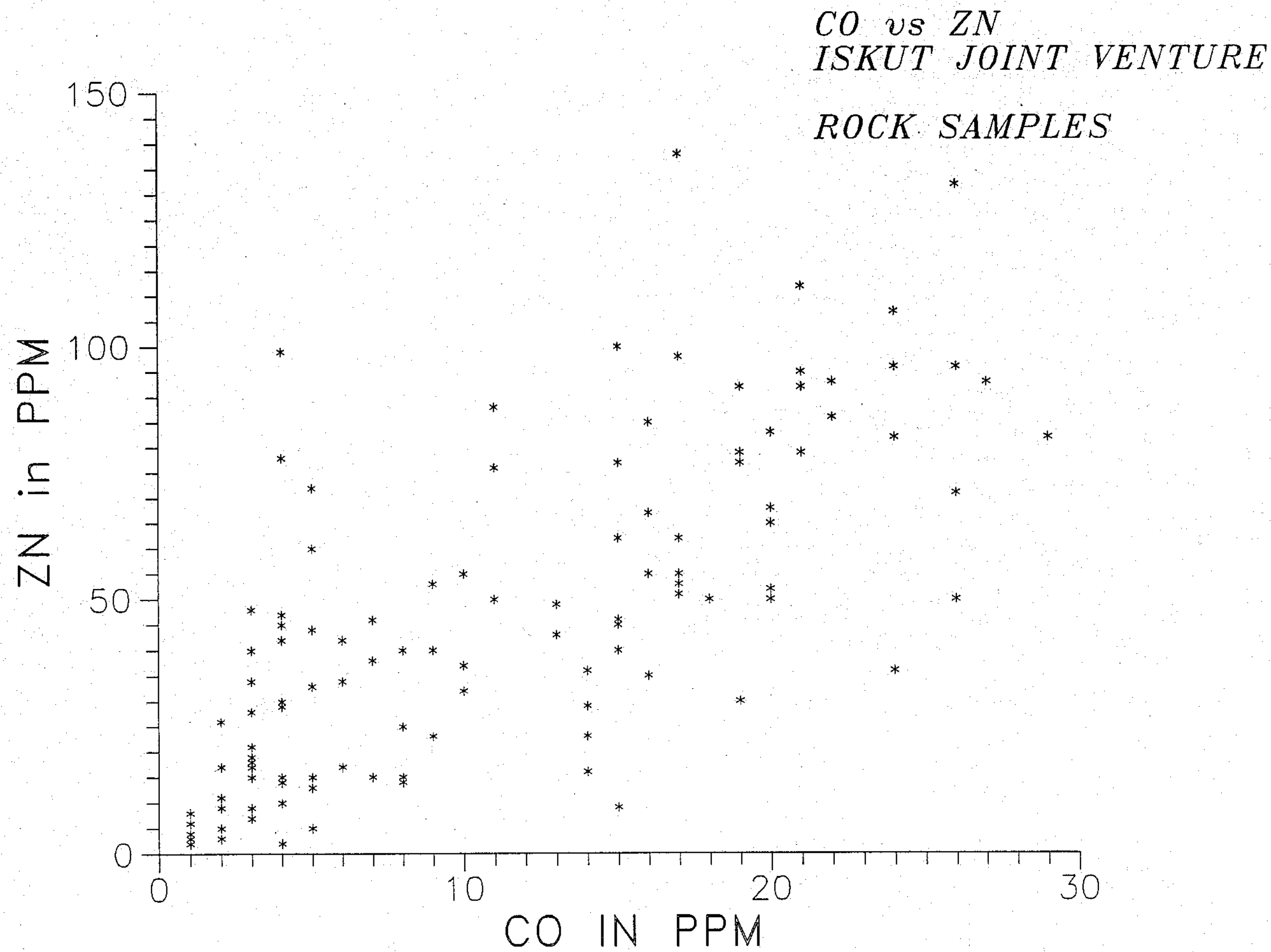

PB vs AG
ISKUT JOINT VENTURE
ROCK SAMPLES
AG in PPM
PB in PPM
0
1
2
3
4
0
10
20
30
40
50

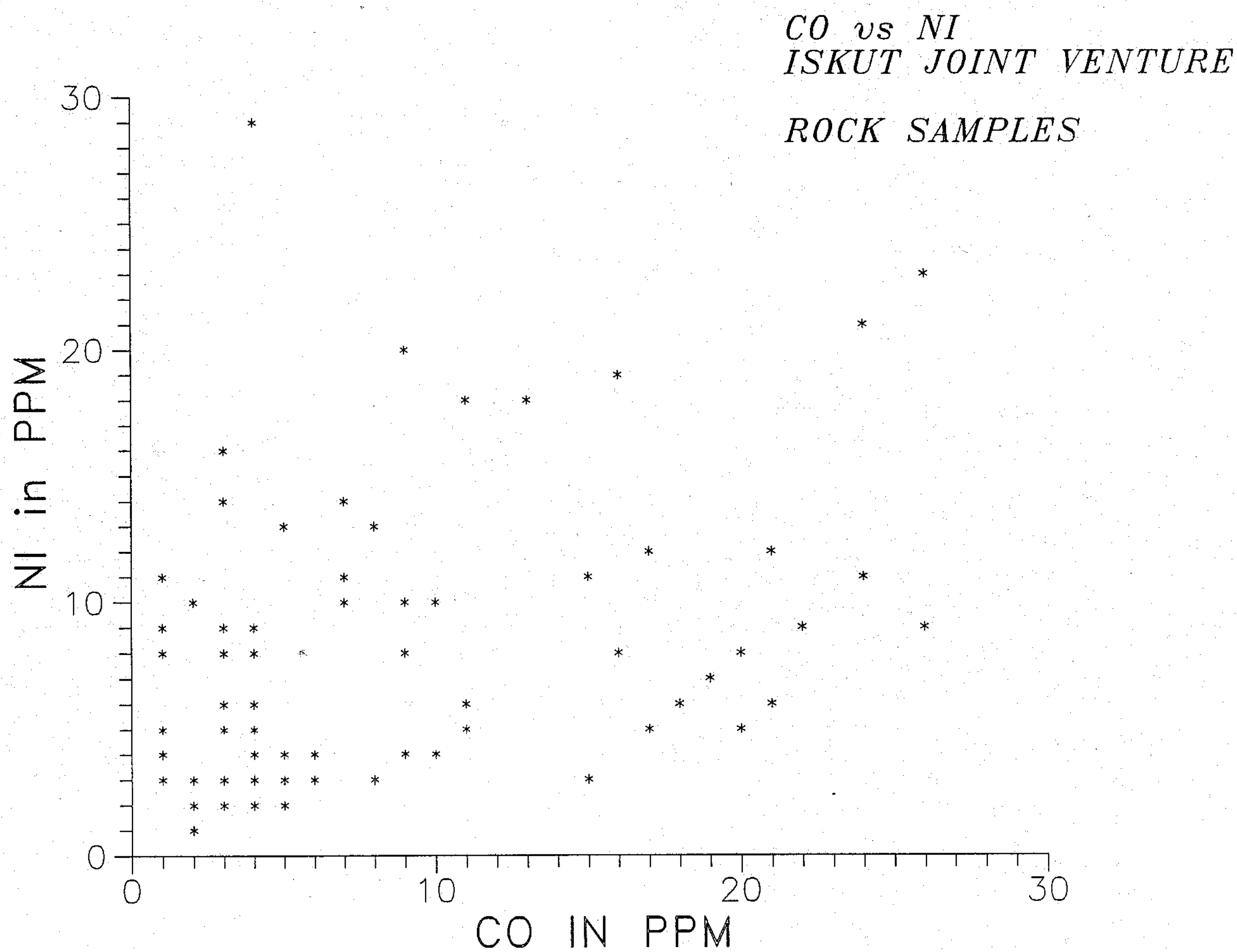


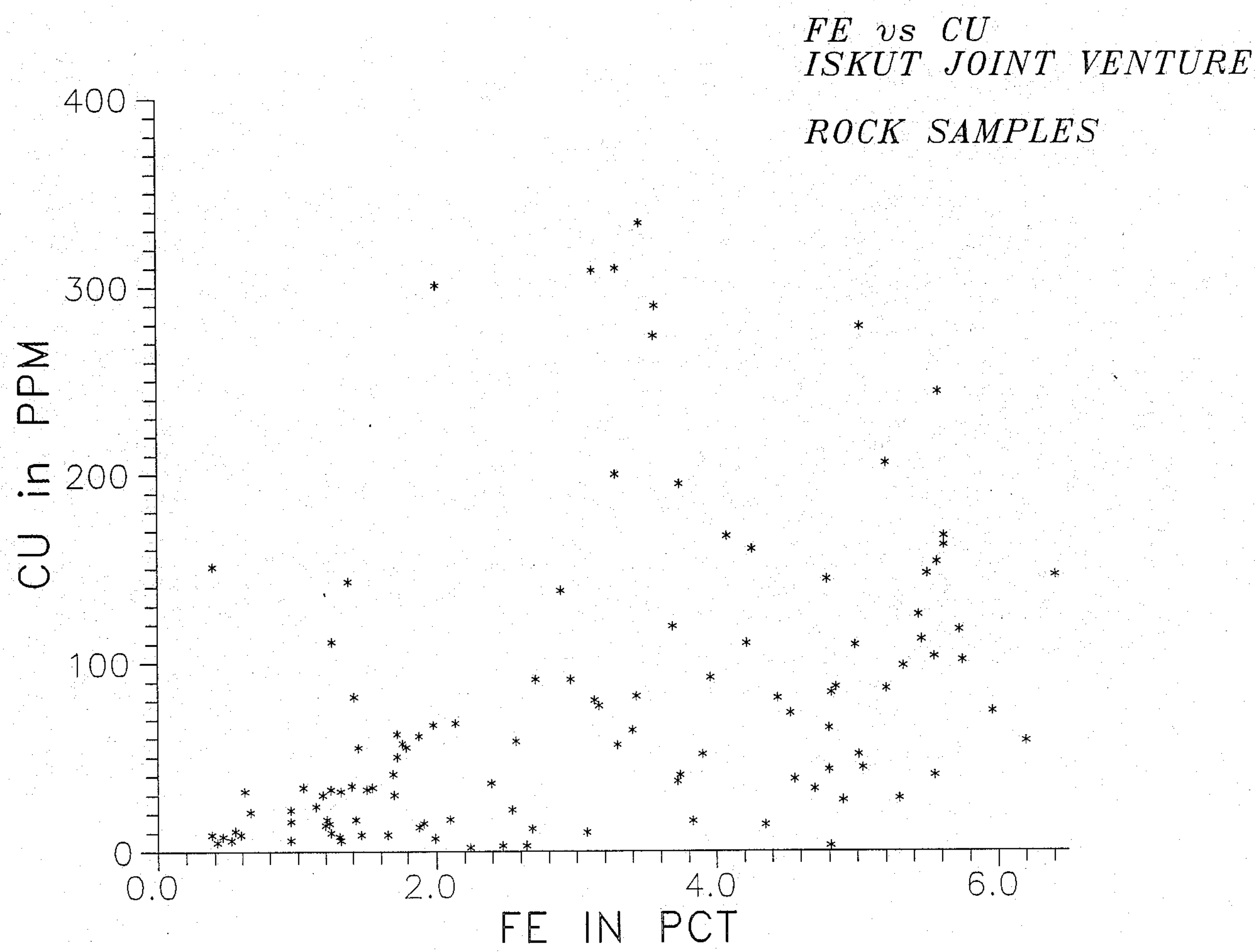
PB vs ZN
ISKUT JOINT VENTURE
ROCK SAMPLES
150
100
50
0
ZN in PPM
0
10
20
30
40
50
PB in PPM


PB vs AS
ISKUT JOINT VENTURE
ROCK SAMPLES
AS in PPM
PB in PPM
0
40
80
0
10
20
30
40
50

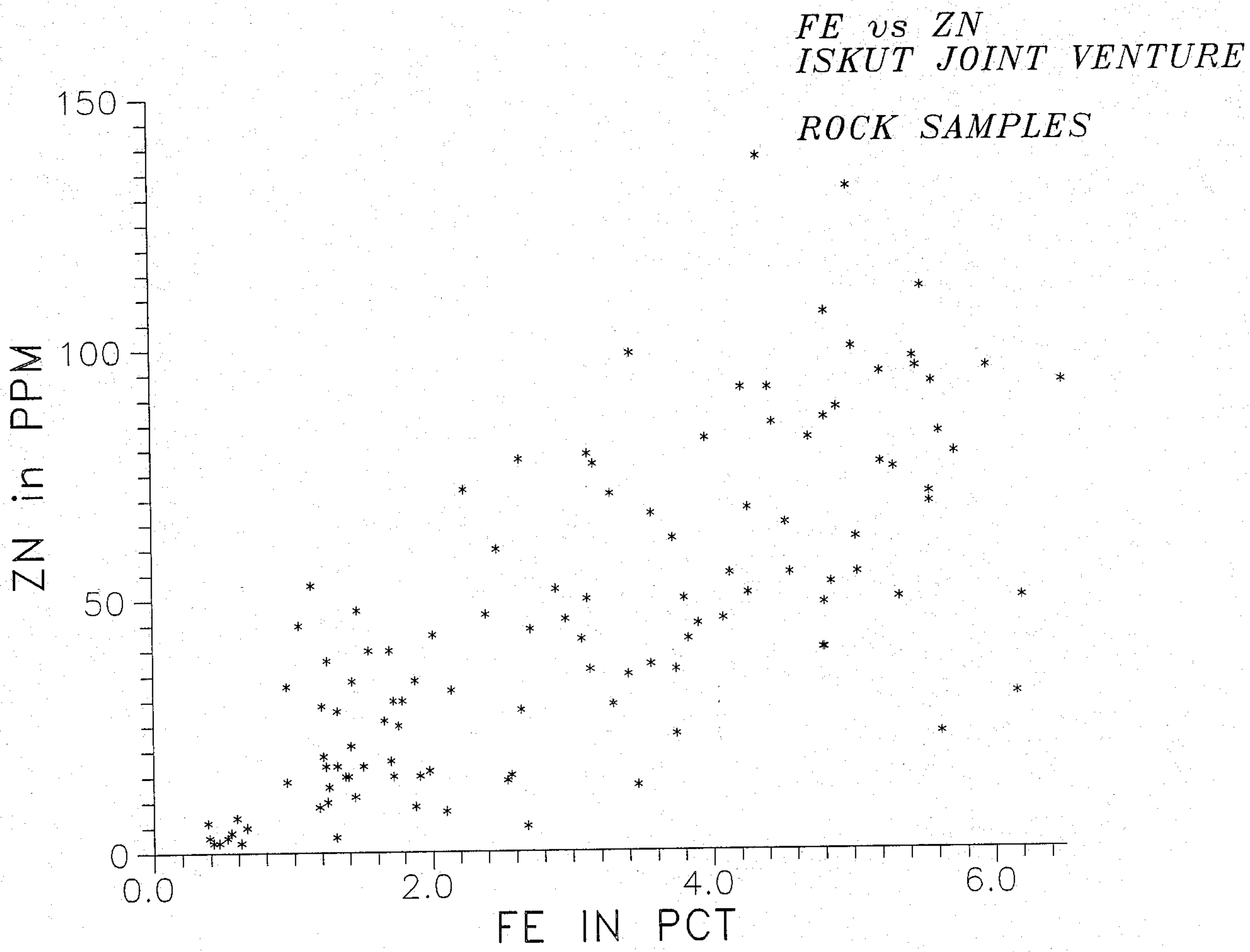

CO vs CU
ISKUT JOINT VENTURE
ROCK SAMPLES
400
300
200
100
0
CU in PPM
0
10
20
30
CO IN PPM

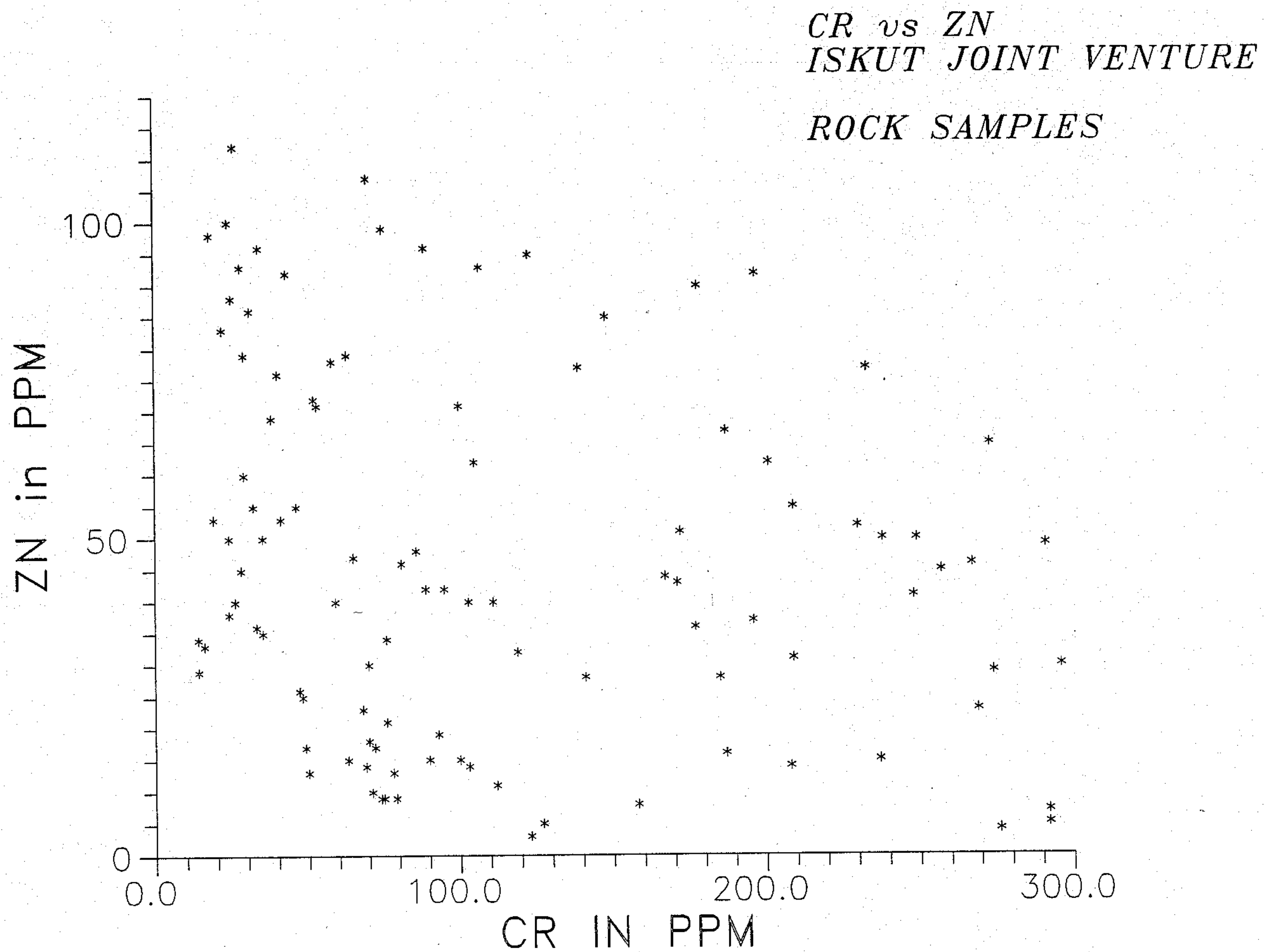

CO vs ZN
ISKUT JOINT VENTURE
ROCK SAMPLES
150
100
50
0
ZN in PPM
0
10
20
30
CO IN PPM

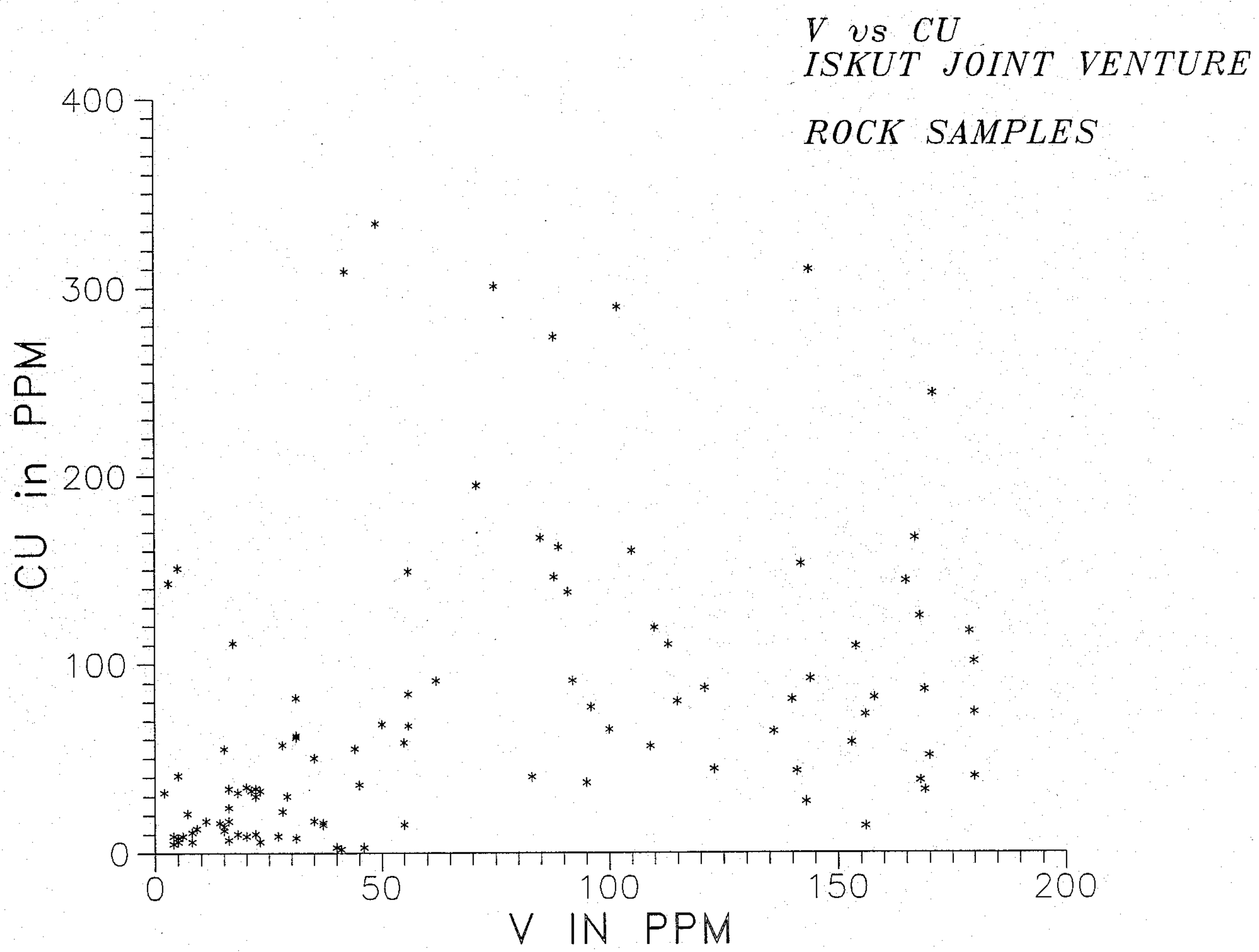

CO vs NI
ISKUT JOINT VENTURE
ROCK SAMPLES
NI in PPM
CO IN PPM
0
10
20
30
0
10
20
30

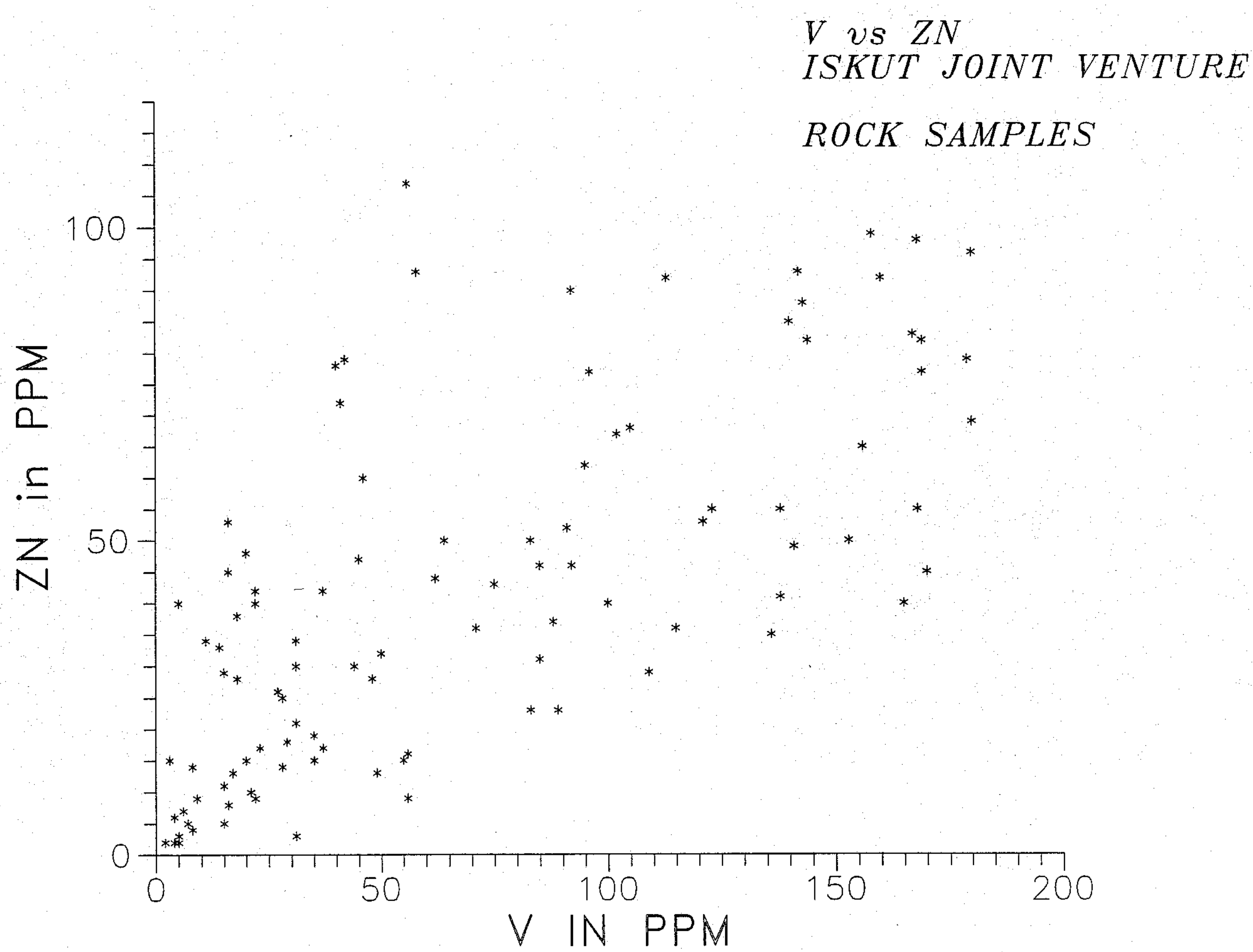


FE vs CU
ISKUT JOINT VENTURE
ROCK SAMPLES
400
300
200
100
0
CU in PPM
0.0
2.0
4.0
6.0
FE IN PCT

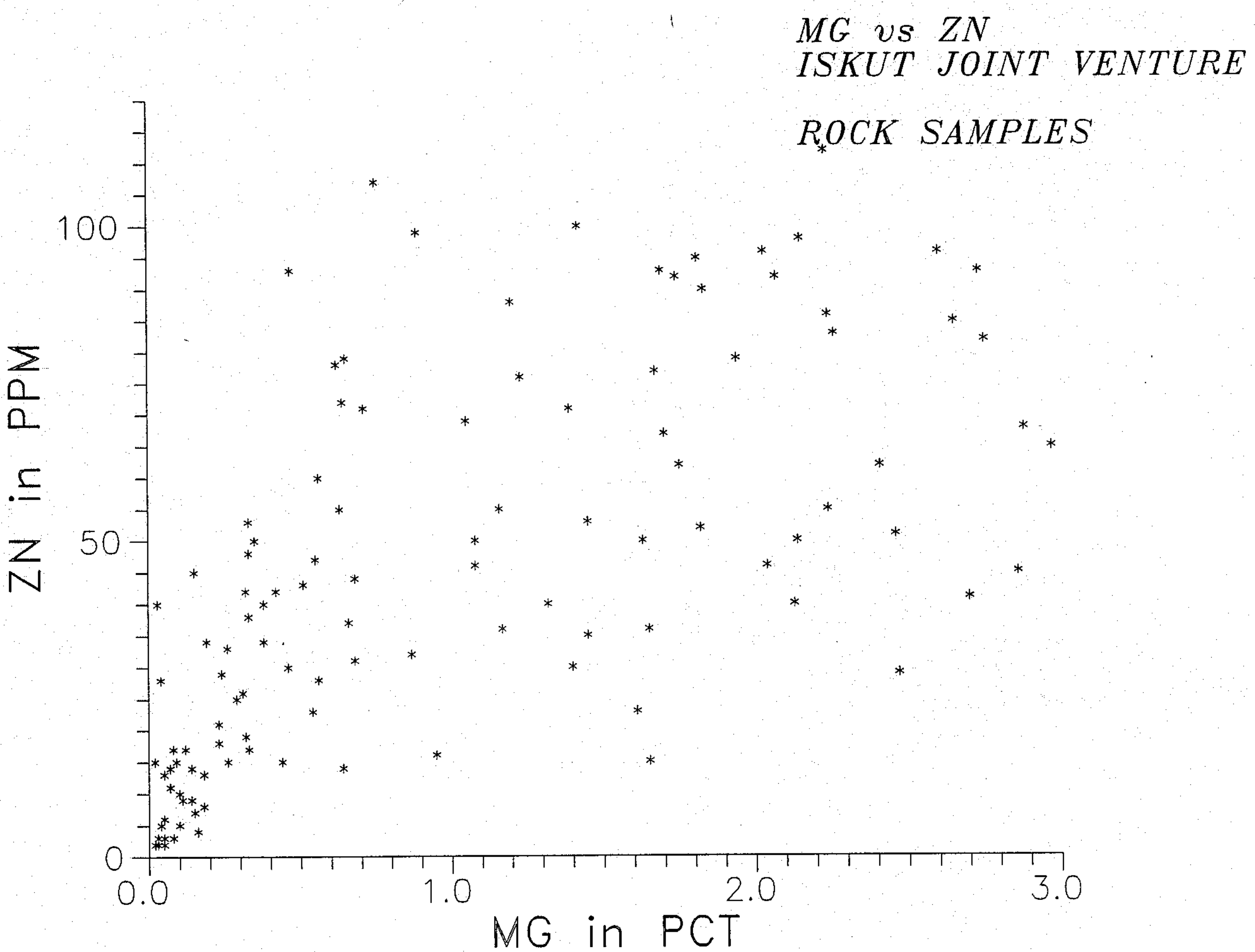

FE vs ZN
ISKUT JOINT VENTURE
ROCK SAMPLES
150
100
50
0
ZN in PPM
0.0
2.0
4.0
6.0
FE IN PCT

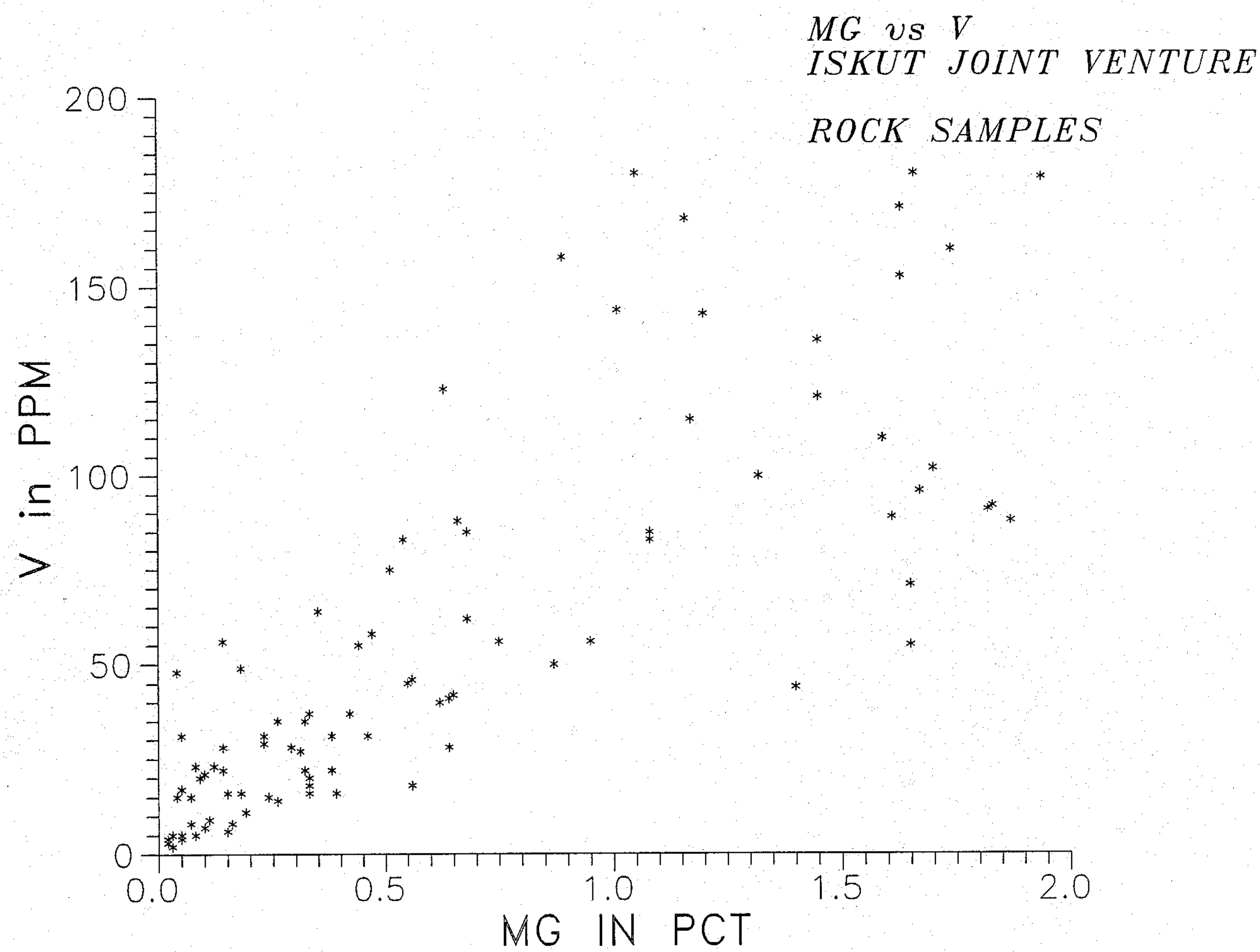

CR vs ZN
ISKUT JOINT VENTURE
ROCK SAMPLES
ZN in PPM
100
50
0
0.0
100.0
200.0
300.0
CR IN PPM


V vs CU
ISKUT JOINT VENTURE
ROCK SAMPLES
CU in PPM
400
300
200
100
0
50
100
150
200
V IN PPM

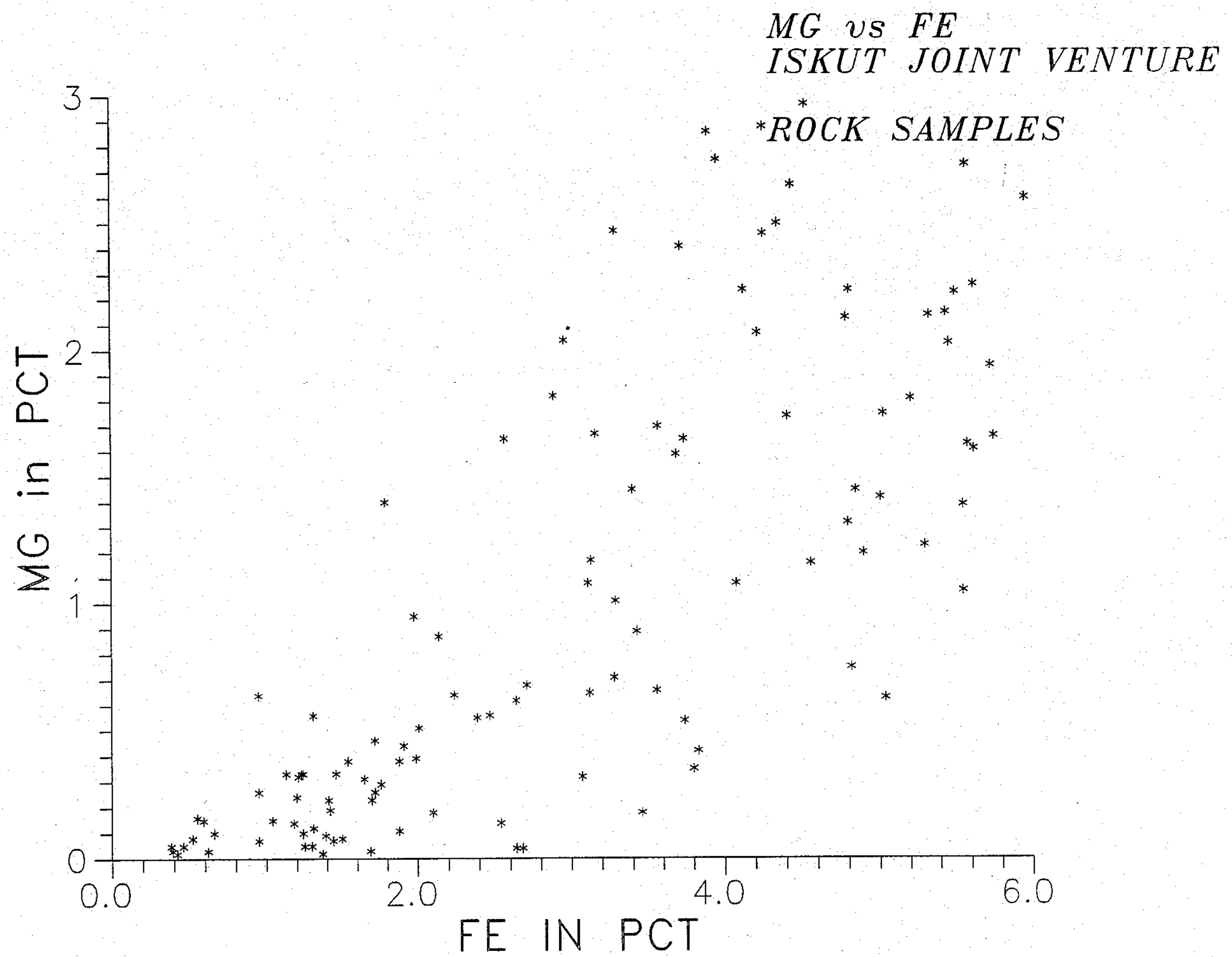


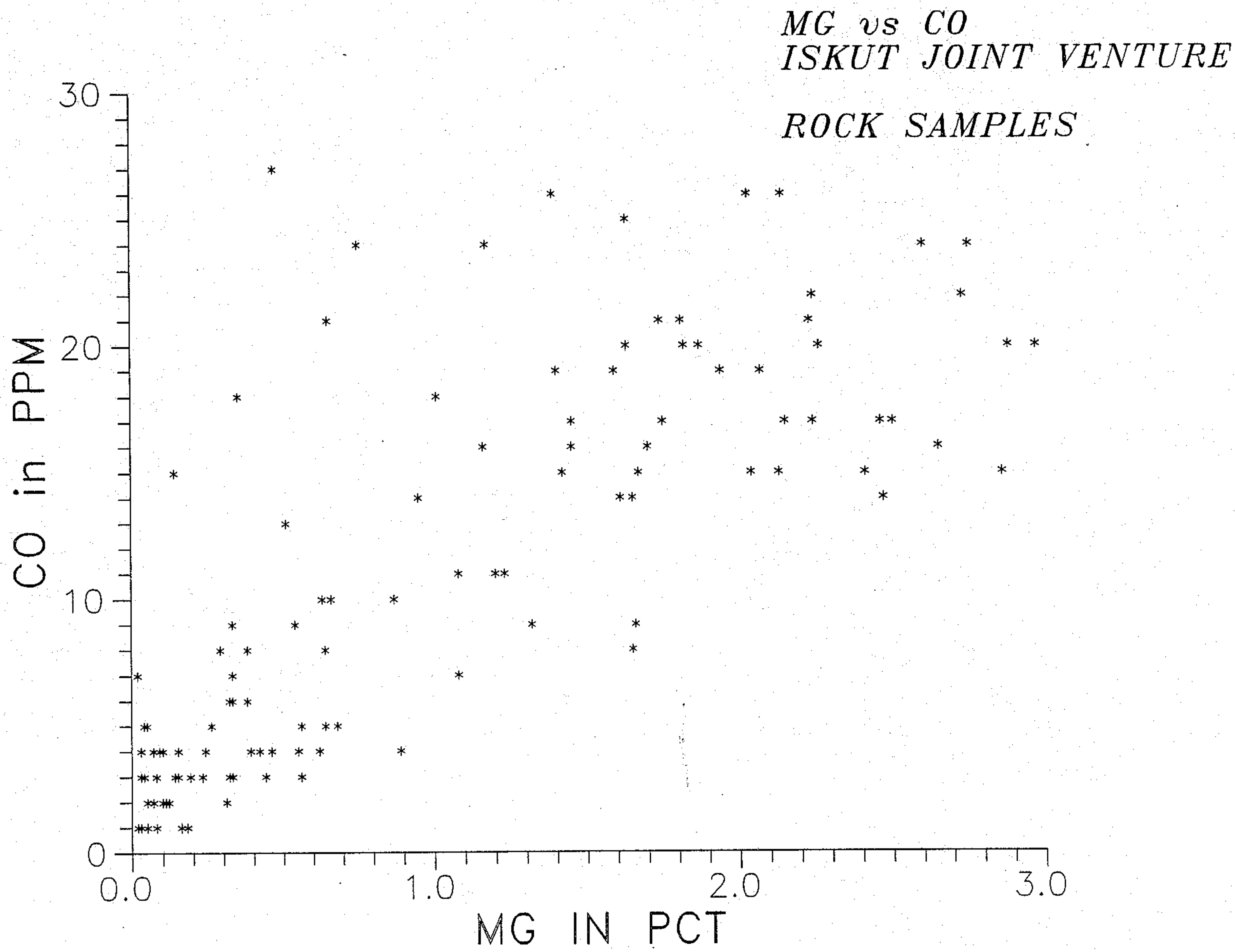
V vs ZN
ISKUT JOINT VENTURE
ROCK SAMPLES
ZN in PPM
V IN PPM
0
50
100
0
50
100
150
200

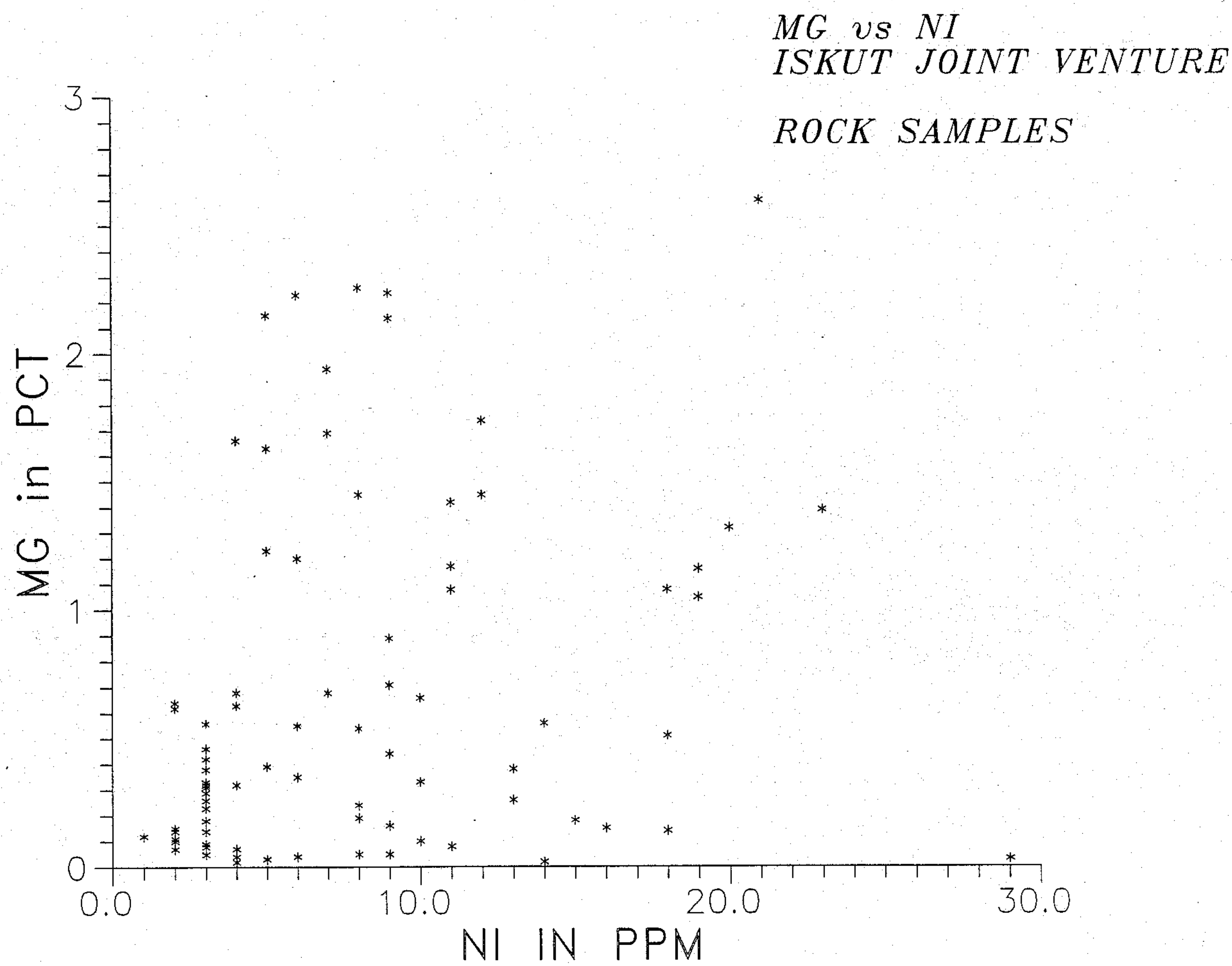

MG vs ZN
ISKUT JOINT VENTURE
ROCK SAMPLES
ZN in PPM
100
50
0
0.0
1.0
2.0
3.0
MG in PCT

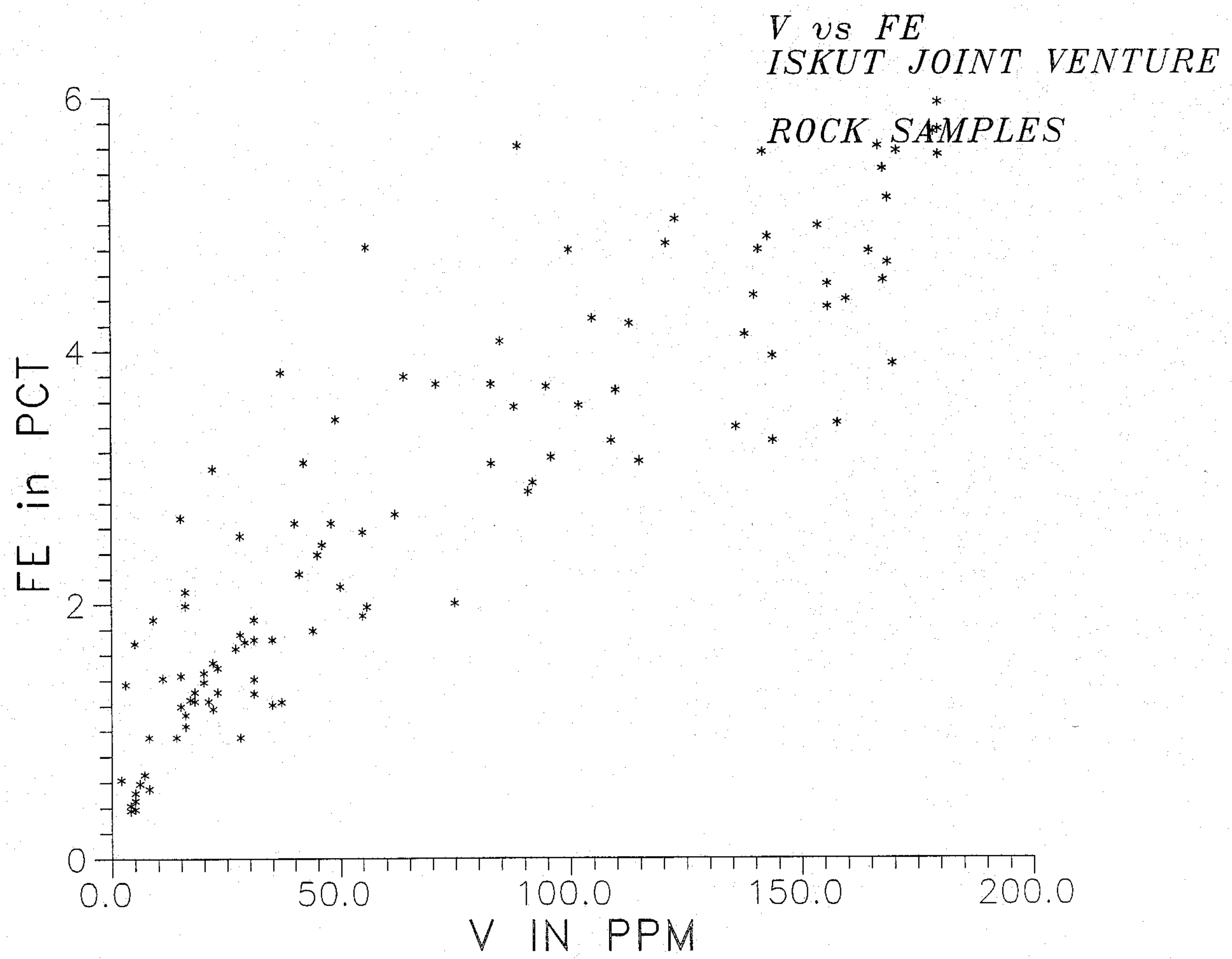


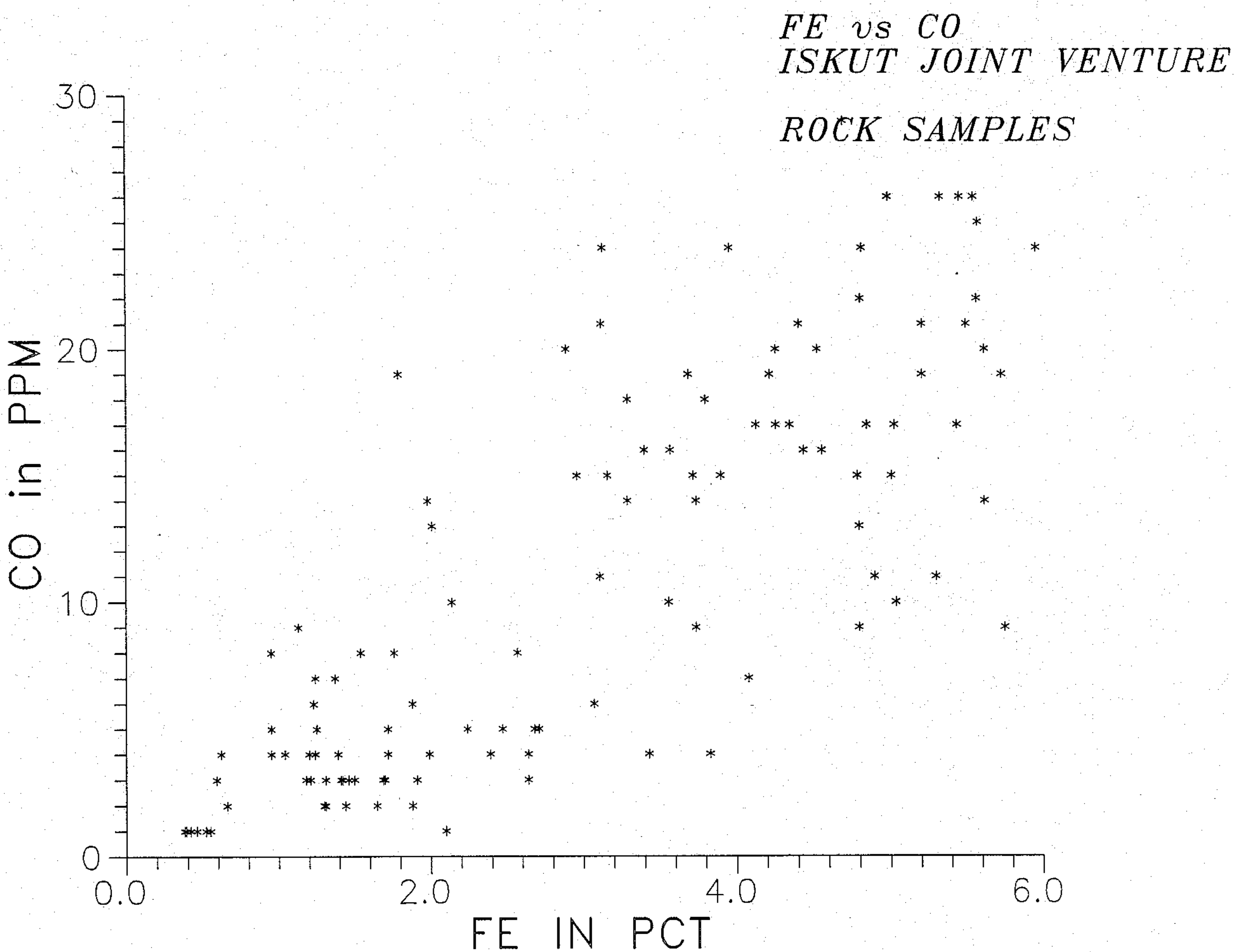
MG vs V
ISKUT JOINT VENTURE
ROCK SAMPLES
V in PPM
0
50
100
150
200
0.0
0.5
1.0
1.5
2.0
MG IN PCT

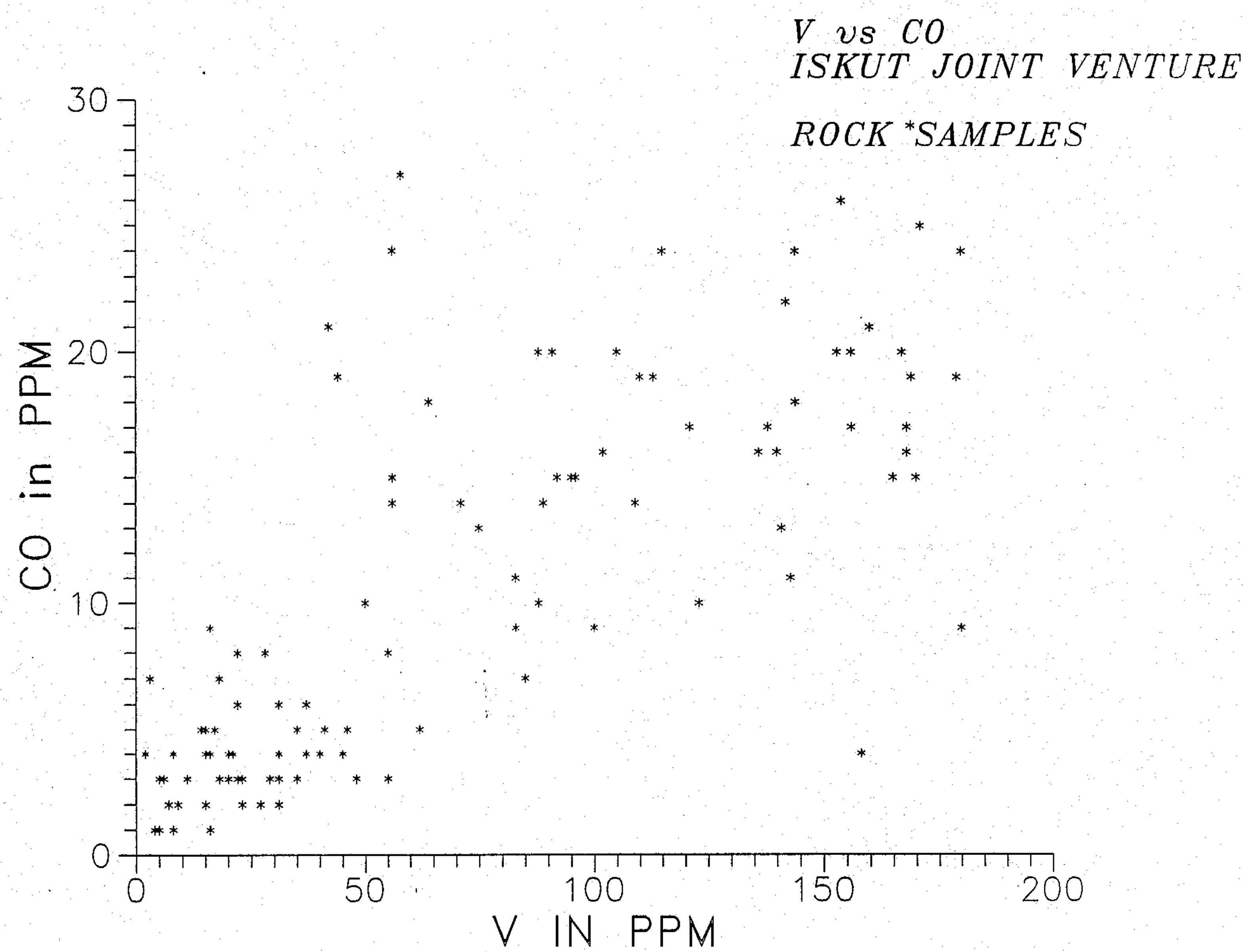

MG vs FE
ISKUT JOINT VENTURE
*ROCK SAMPLES
MG in PCT
0
1
2
3
0.0
2.0
4.0
6.0
FE IN PCT


MG vs CO
ISKUT JOINT VENTURE
ROCK SAMPLES
CO in PPM
MG IN PCT
0
10
20
30
0.0
1.0
2.0
3.0


MG vs NI
ISKUT JOINT VENTURE
ROCK SAMPLES
MG in PCT
NI IN PPM
0
1
2
3
0.0
10.0
20.0
30.0


V vs FE
ISKUT JOINT VENTURE
ROCK SAMPLES
FE in PCT
0
2
4
6
0.0
50.0
100.0
150.0
200.0
V IN PPM


FE vs CO
ISKUT JOINT VENTURE
ROCK SAMPLES
30
20
10
0
CO in PPM
0.0
2.0
4.0
6.0
FE IN PCT



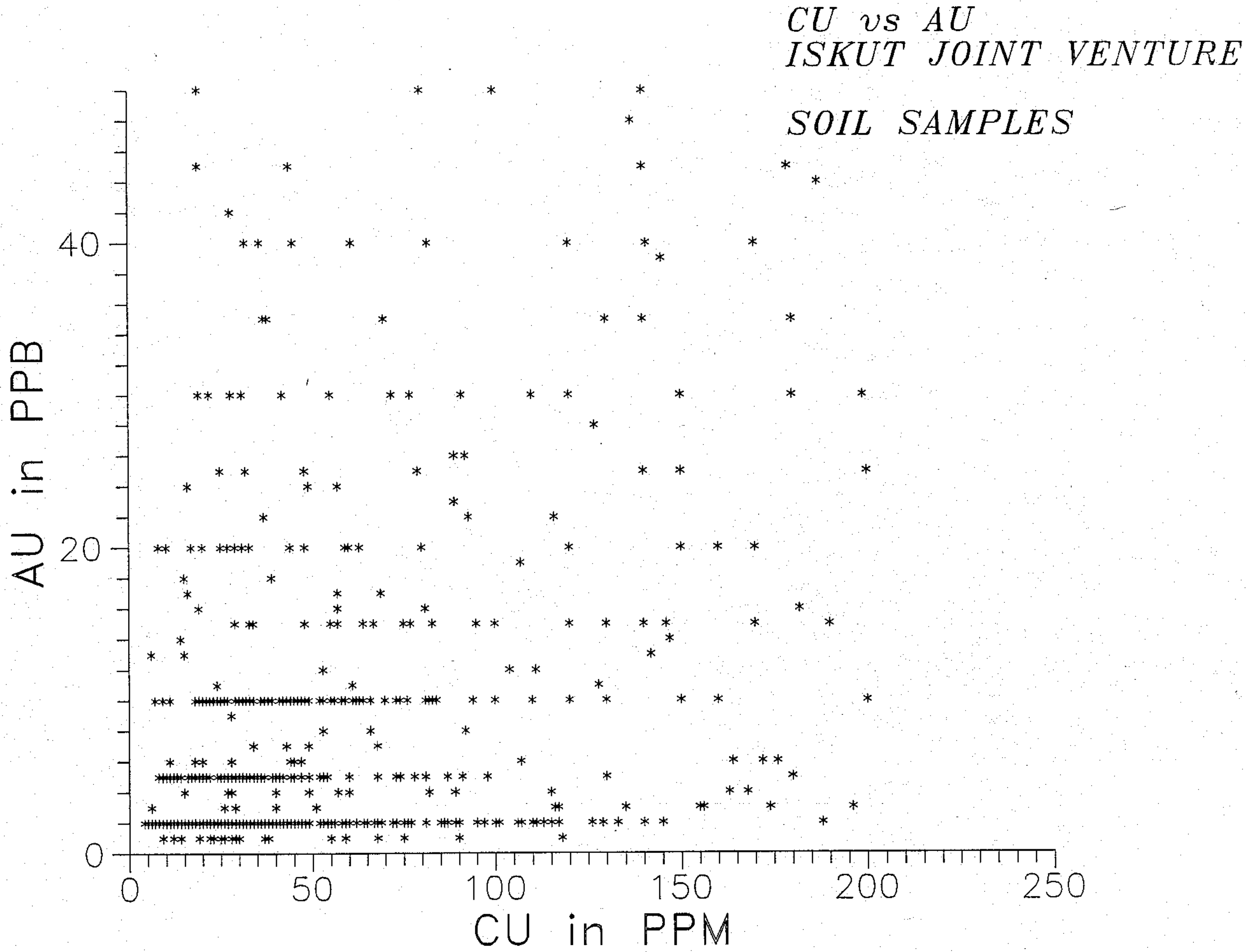
V vs CO
ISKUT JOINT VENTURE
ROCK *SAMPLES
30
20
10
0
CO in PPM
0
50
100
150
200
V IN PPM

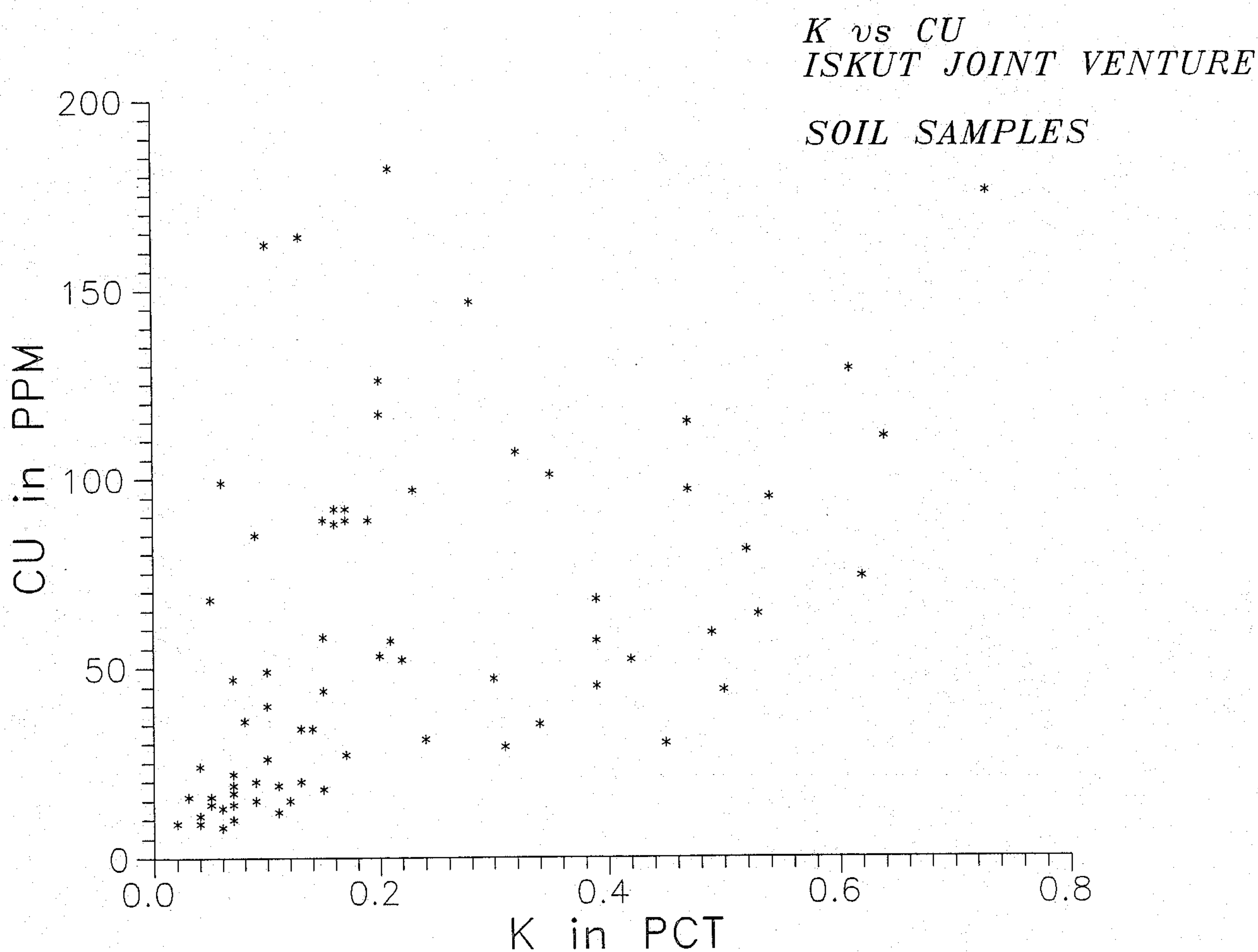
CORRELATION COEFFICIENTS FOR SOILS: ISKUT JOINT VENTURE PROPERTY

NORMAL VS LN DISTRIBUTIONS: PEARSON / SPEARMAN

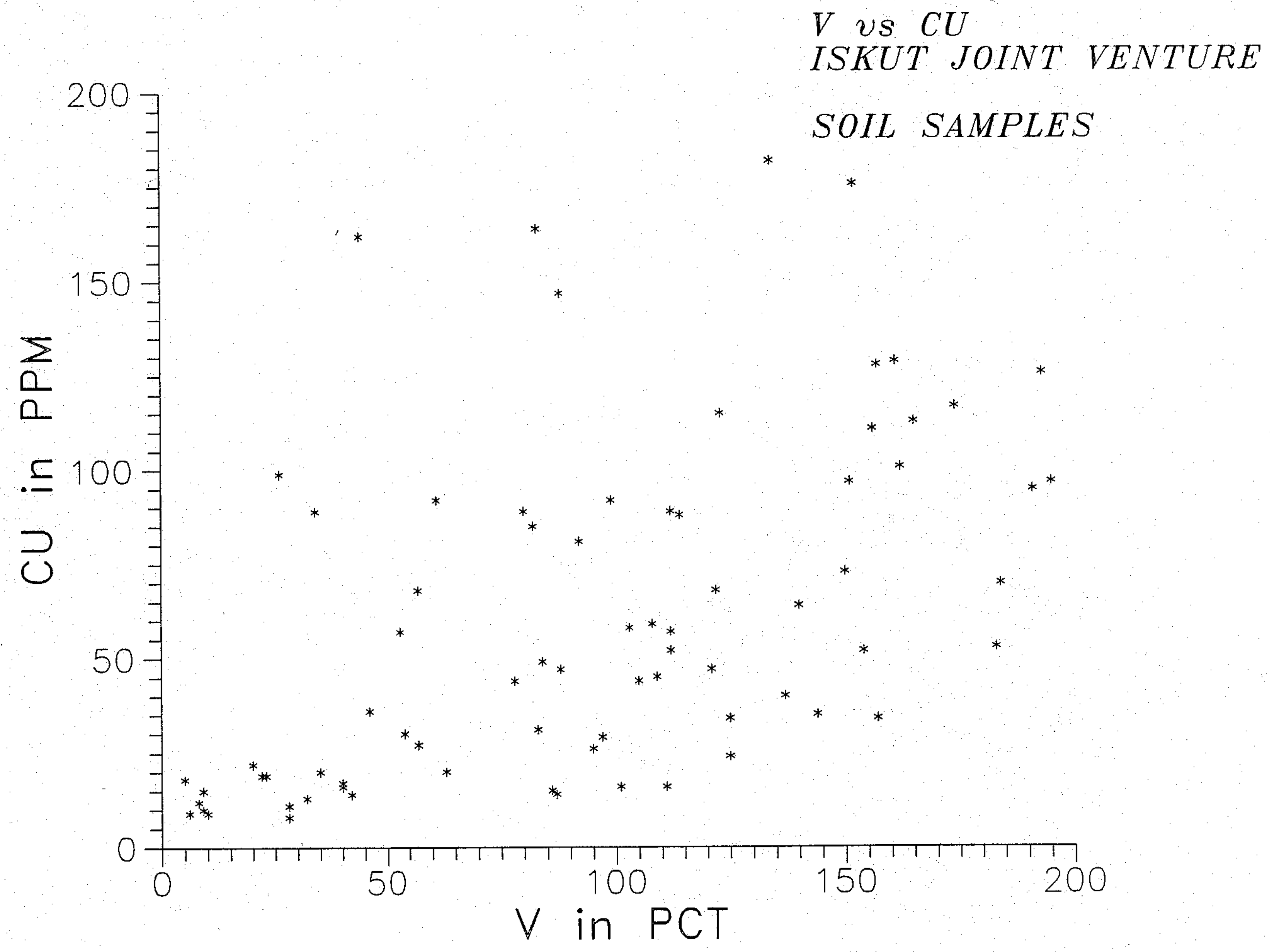
Upper triangle: NORMAL DISTRIBUTION; lower triangle: LN

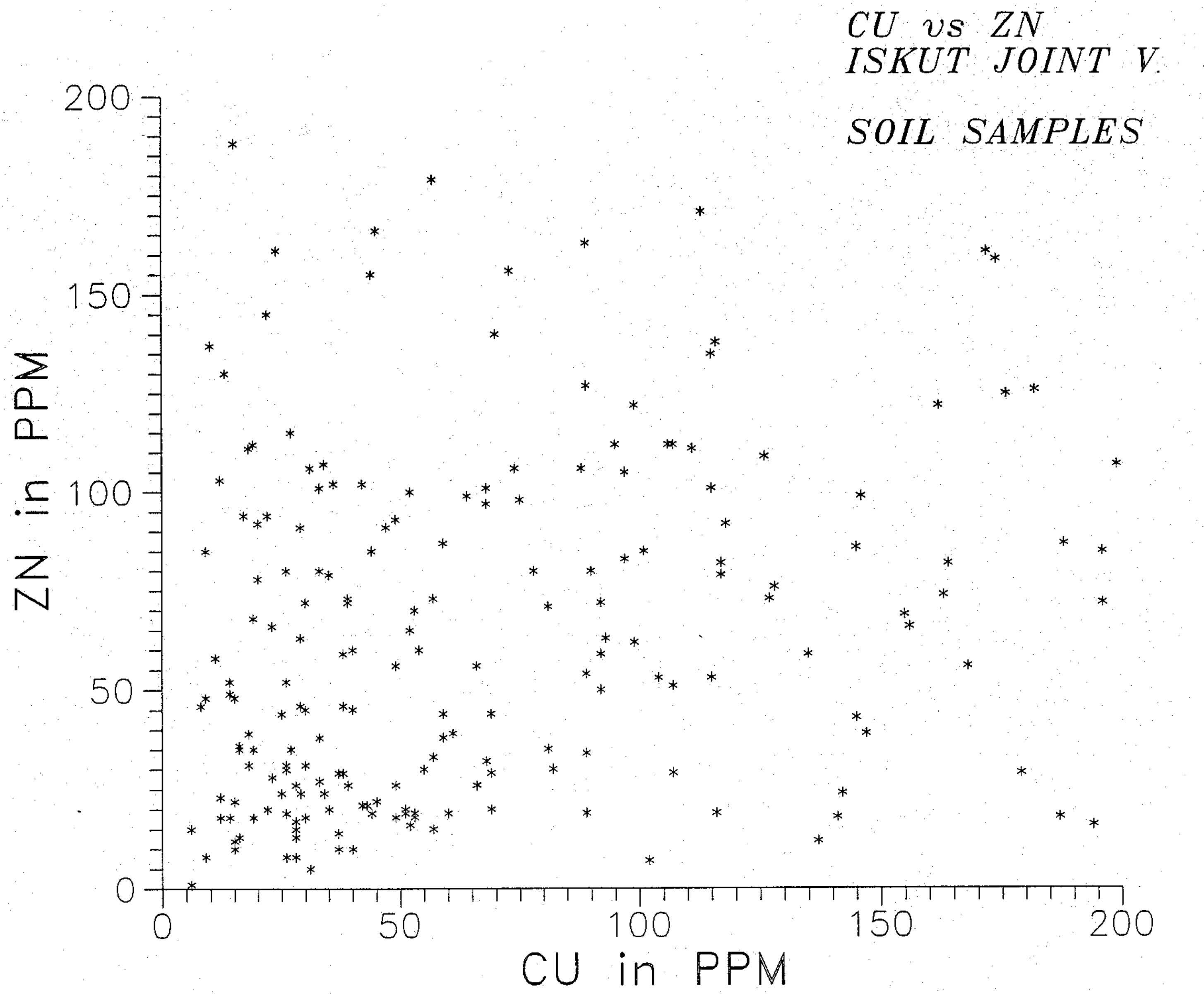
	AU	AG	CU	PB	ZN	AS	MO	NI	CO	CD	SB	FE	TE	CR	V	MG	K	SR
AU		0.092 0.201	0.193 0.372	0.489 0.187	0.152 0.167	−0.055 −0.081	0.139 0.383	−0.016 −0.050	0.054 0.072	**** ****	−0.048 −0.161	0.157 −0.008	−0.085 −0.134	−0.012 −0.039	0.007 0.025	−0.039 0.007	−0.013 0.069	−0.006 0.081
AG	0.180 0.200		0.285 0.384	0.112 0.086	0.049 0.083	−0.443 −0.481	−0.059 −0.028	−0.311 −0.331	−0.263 −0.341	**** ****	0.141 0.156	0.134 0.072	0.108 0.094	−0.271 −0.266	−0.211 −0.237	−0.369 −0.427	−0.225 −0.323	−0.109 −0.163
CU	0.524 0.485	0.325 0.384		0.068 0.071	0.232 0.409	−0.166 −0.237	0.225 0.242	0.058 0.309	0.483 0.674	**** ****	0.096 0.038	0.481 0.313	0.095 0.222	−0.016 0.183	0.348 0.652	0.248 0.589	0.397 0.662	0.130 0.461
PB	0.170 0.187	−0.018 0.086	0.005 0.071		0.256 0.431	0.069 0.268	−0.031 0.060	−0.080 −0.120	−0.018 −0.106	**** ****	0.166 0.234	0.304 0.298	0.124 0.149	0.064 −0.046	−0.155 −0.245	−0.071 −0.196	−0.211 −0.371	−0.140 −0.253
ZN	0.123 0.167	0.006 0.083	0.420 0.409	0.341 0.431		0.207 0.361	−0.111 −0.210	0.219 0.138	0.178 0.503	**** ****	0.072 0.099	0.244 0.376	0.141 0.154	0.351 0.048	0.080 0.214	0.264 0.351	−0.063 0.179	−0.044 0.095
AS	−0.067 −0.081	−0.631 −0.481	−0.249 −0.237	0.239 0.268	0.333 0.361		−0.171 −0.191	0.150 0.085	−0.024 −0.029	**** ****	0.750 0.742	0.261 0.240	0.584 0.564	0.205 0.078	−0.250 −0.224	−0.029 −0.060	−0.211 −0.201	−0.248 −0.307
MO	0.321 0.383	−0.042 −0.028	0.238 0.242	0.148 0.060	−0.143 −0.210	−0.043 −0.191		−0.172 −0.256	0.116 −0.053	**** ****	−0.007 0.044	0.253 0.237	0.063 0.025	−0.166 −0.229	0.050 −0.041	−0.090 −0.215	0.098 −0.051	0.008 −0.030
NI	0.002 −0.050	−0.268 −0.331	0.407 0.309	−0.130 −0.120	0.254 0.138	0.133 0.085	−0.253 −0.256		0.429 0.463	**** ****	0.321 0.266	−0.062 −0.094	0.392 0.339	0.883 0.887	0.225 0.285	0.703 0.694	0.230 0.336	0.031 0.153
CO	0.136 0.072	−0.320 −0.341	0.733 0.674	−0.121 −0.106	0.488 0.503	0.015 −0.029	−0.058 −0.053	0.615 0.463		**** ****	0.166 0.156	0.450 0.488	0.415 0.396	0.292 0.268	0.786 0.800	0.807 0.829	0.702 0.718	0.440 0.552
CD	**** ****	**** ****	**** ****	**** ****	**** ****	**** ****	**** ****	**** ****	**** ****		**** ****	**** ****	**** ****	**** ****	**** ****	**** ****	**** ****	**** ****
SB	−0.198 −0.161	0.232 0.156	0.103 0.038	0.240 0.234	0.096 0.099	0.723 0.742	0.148 0.044	0.255 0.266	0.167 0.156	**** ****		0.286 0.238	0.795 0.754	0.299 0.252	0.088 0.074	0.205 0.169	0.050 0.044	−0.025 −0.065
FE	0.071 −0.008	0.110 0.072	0.366 0.313	0.252 0.298	0.390 0.376	0.292 0.240	0.265 0.237	0.065 −0.094	0.412 0.488	**** ****	0.318 0.238		0.312 0.319	−0.022 −0.102	0.444 0.505	0.229 0.276	0.228 0.249	0.071 0.161
TE	−0.073 −0.134	0.143 0.094	0.350 0.222	0.167 0.149	0.199 0.154	0.576 0.564	0.122 0.025	0.434 0.339	0.477 0.396	**** ****	0.766 0.754	0.362 0.319		0.309 0.249	0.416 0.393	0.431 0.392	0.228 0.261	0.284 0.301
CR	−0.010 −0.039	−0.233 −0.266	0.258 0.183	−0.049 −0.046	0.175 0.048	0.114 0.078	−0.248 −0.229	0.901 0.887	0.396 0.268	**** ****	0.200 0.252	0.053 −0.102			0.128 0.172	0.668 0.599	0.042 0.181	−0.078 0.027
V	0.159 0.025	−0.210 −0.237	0.648 0.652	−0.246 −0.245	0.142 0.214	−0.207 −0.224	−0.060 −0.041	0.489 0.285	0.725 0.800	**** ****	0.100 0.074	0.331 0.505	0.340 0.249	0.405 0.172		0.721 0.765	0.643 0.689	0.589 0.689
MG	0.115 0.007	−0.348 −0.427	0.657 0.589	−0.236 −0.196	0.322 0.351	−0.049 −0.060	−0.195 −0.215	0.770 0.694	0.852 0.829	**** ****	0.181 0.169	0.489 0.392	0.447 0.393	0.656 0.599	0.848 0.765		0.628 0.734	0.310 0.479
K	0.108 0.069	−0.356 −0.323	0.693 0.662	−0.367 −0.371	0.109 0.179	−0.185 −0.201	−0.047 −0.051	0.443 0.336	0.746 0.718	**** ****	0.074 0.044	0.224 0.249	0.307 0.261	0.259 0.181	0.630 0.689	0.720 0.734		0.350 0.572
SR	0.174 0.081	−0.220 −0.163	0.559 0.461	−0.269 −0.253	0.079 0.095	−0.294 −0.307	−0.072 −0.030	0.355 0.153	0.642 0.552	**** ****	−0.035 −0.065	0.037 0.161	0.279 0.301	0.206 0.027	0.771 0.689	0.678 0.479	0.656 0.572	

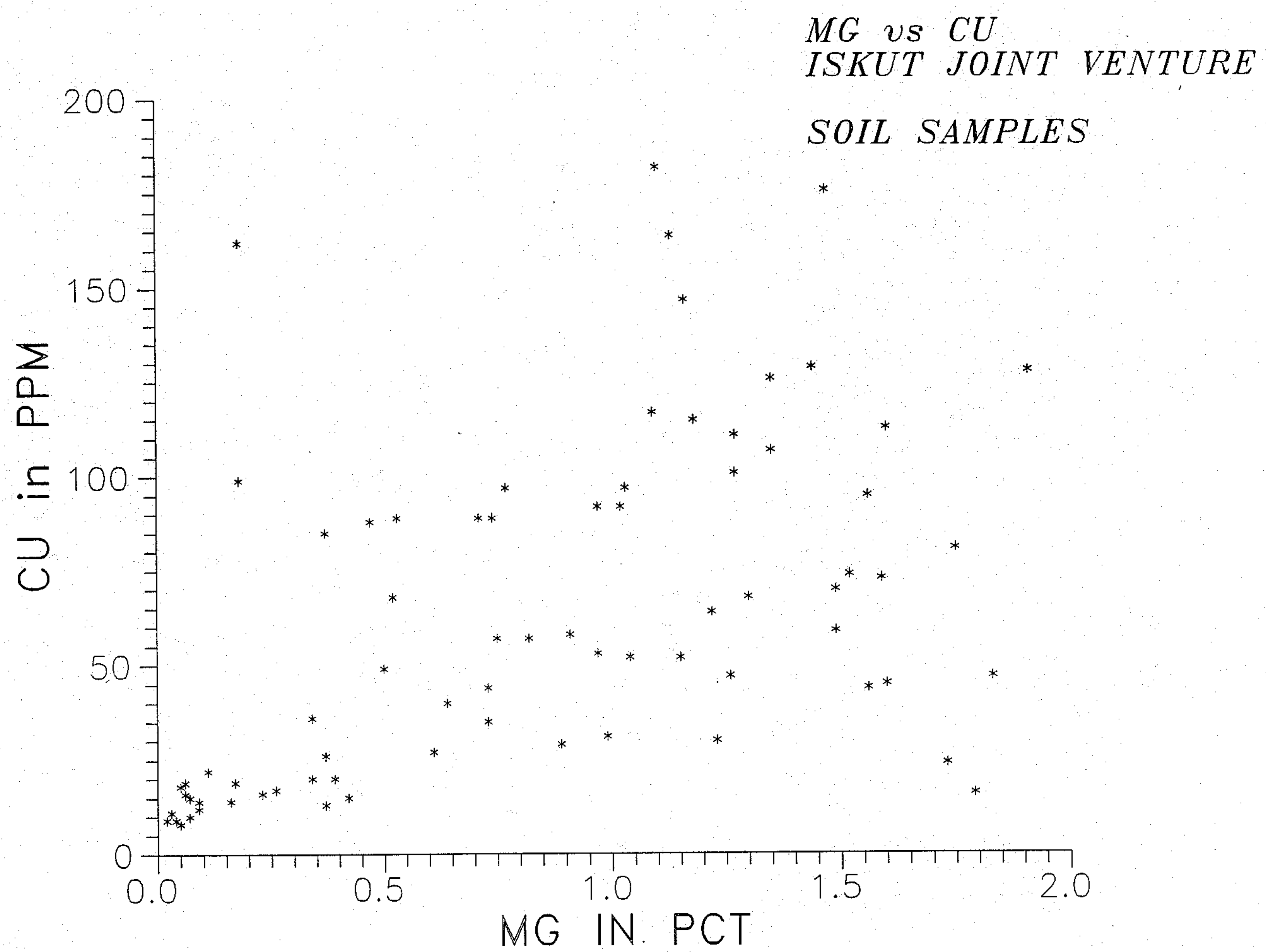

CU vs AU
ISKUT JOINT VENTURE
SOIL SAMPLES
AU in PPB
0
20
40
0
50
100
150
200
250
CU in PPM



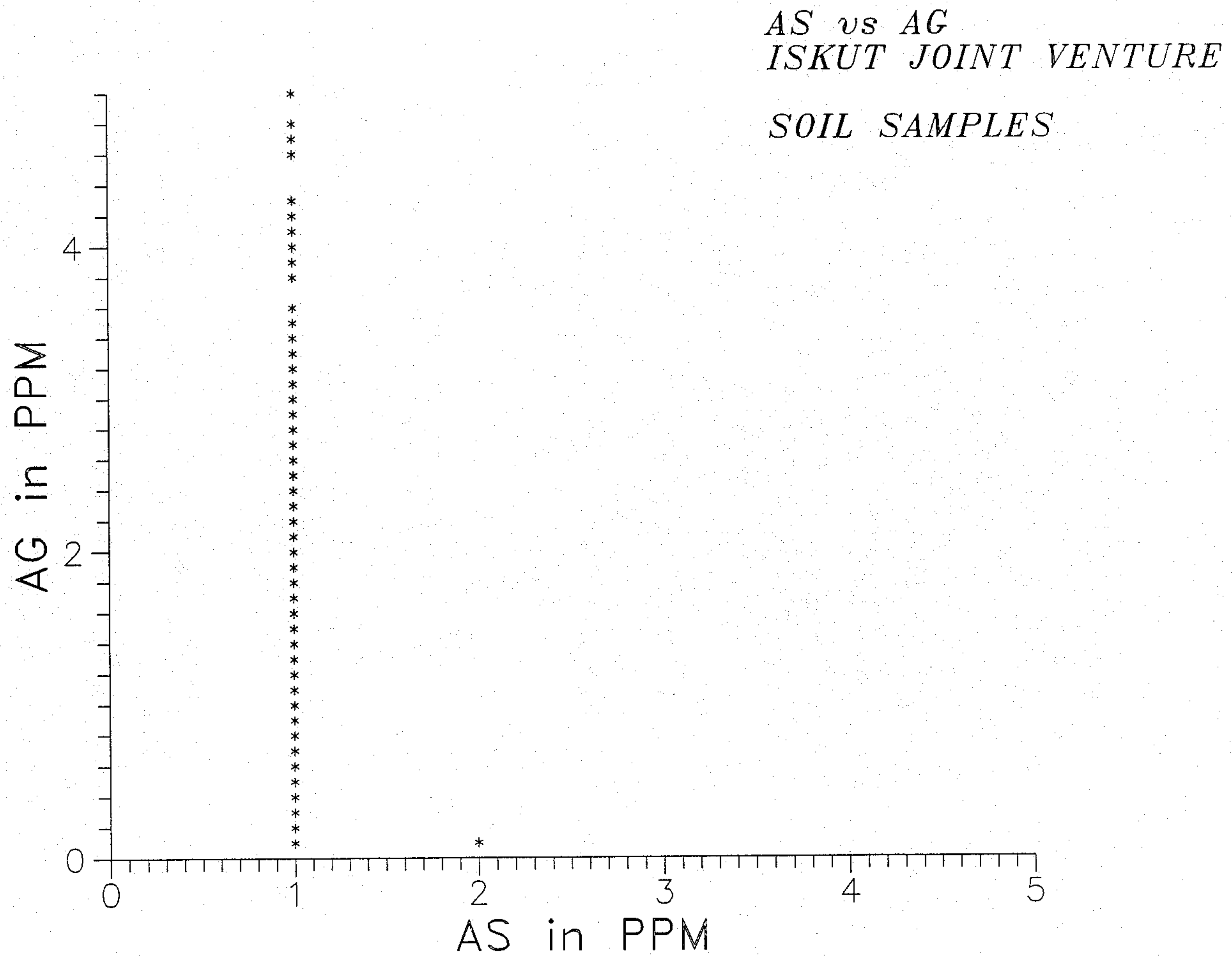
K vs CU
ISKUT JOINT VENTURE
SOIL SAMPLES
CU in PPM
0
50
100
150
200
0.0
0.2
0.4
0.6
0.8
K in PCT

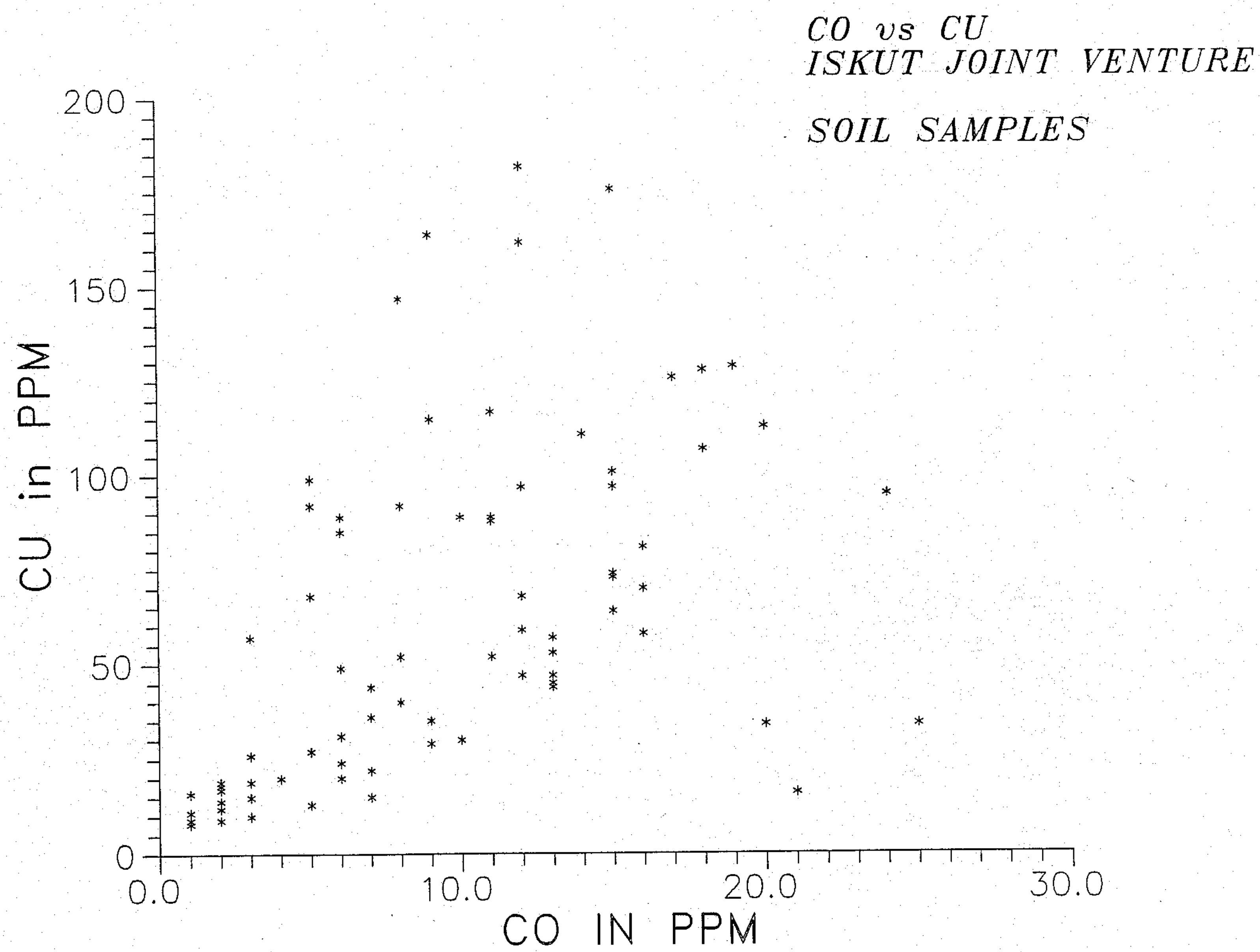

V vs CU
ISKUT JOINT VENTURE
SOIL SAMPLES
CU in PPM
V in PCT
0
50
100
150
200

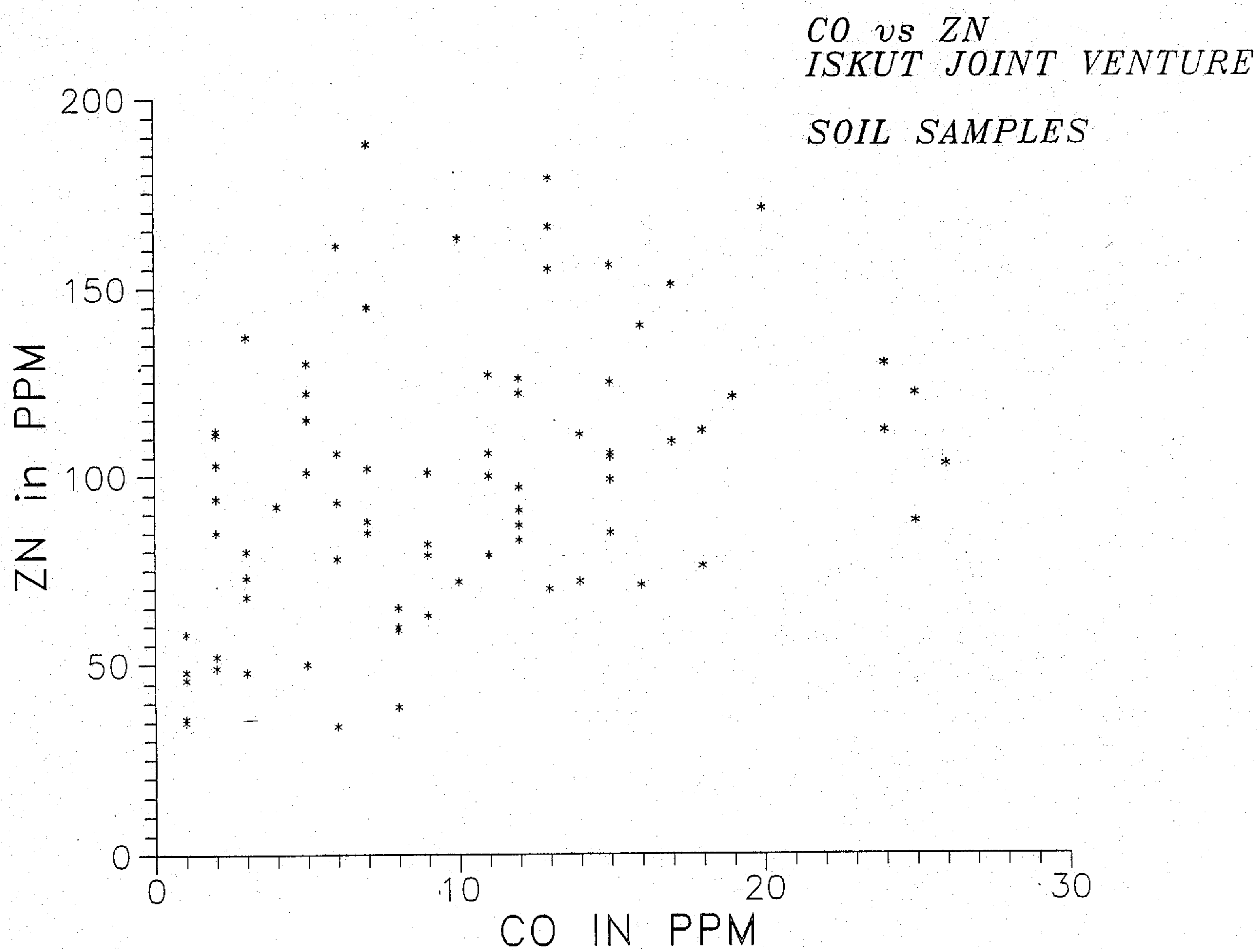

CU vs ZN
ISKUT JOINT V.
SOIL SAMPLES
ZN in PPM
CU in PPM
0
50
100
150
200

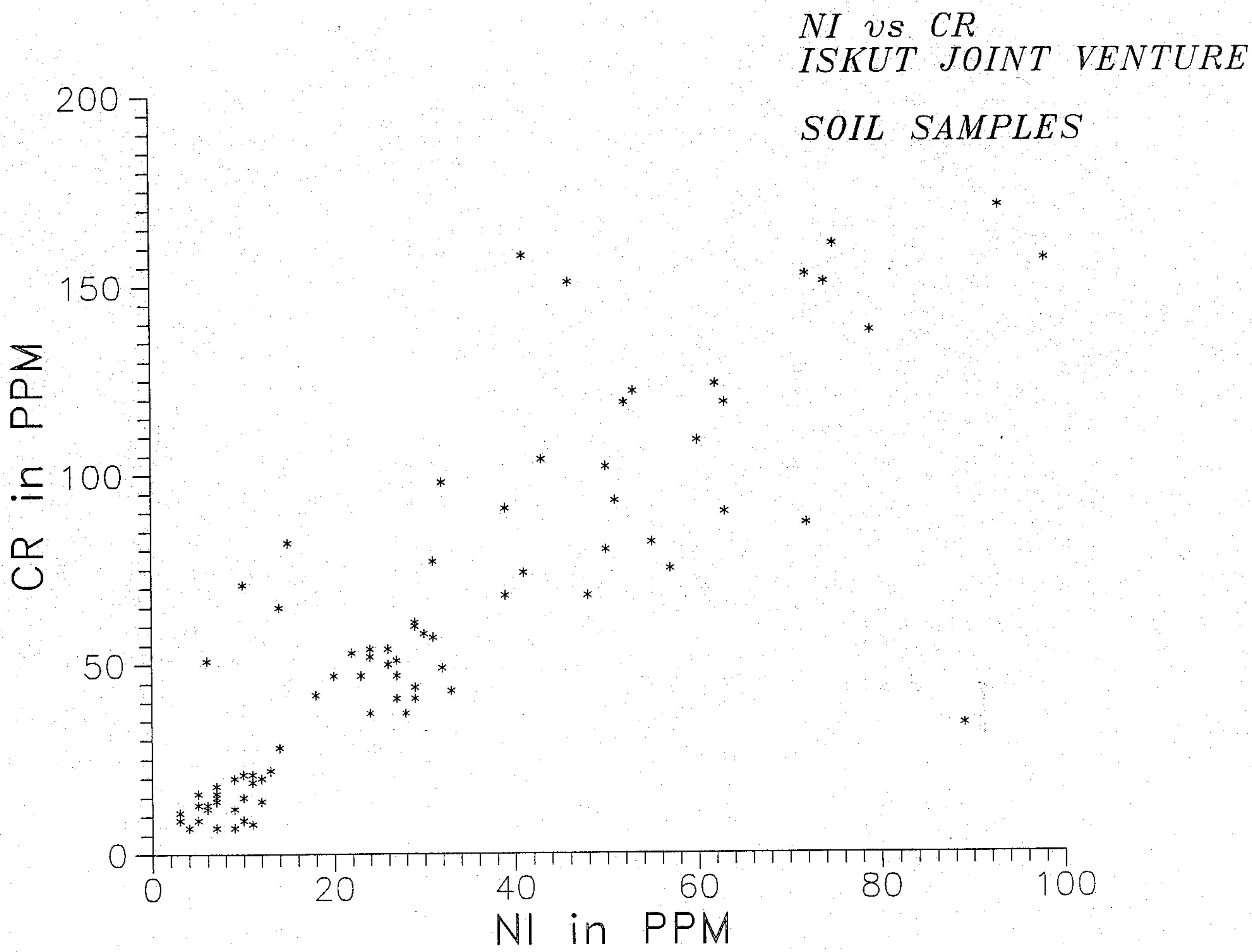


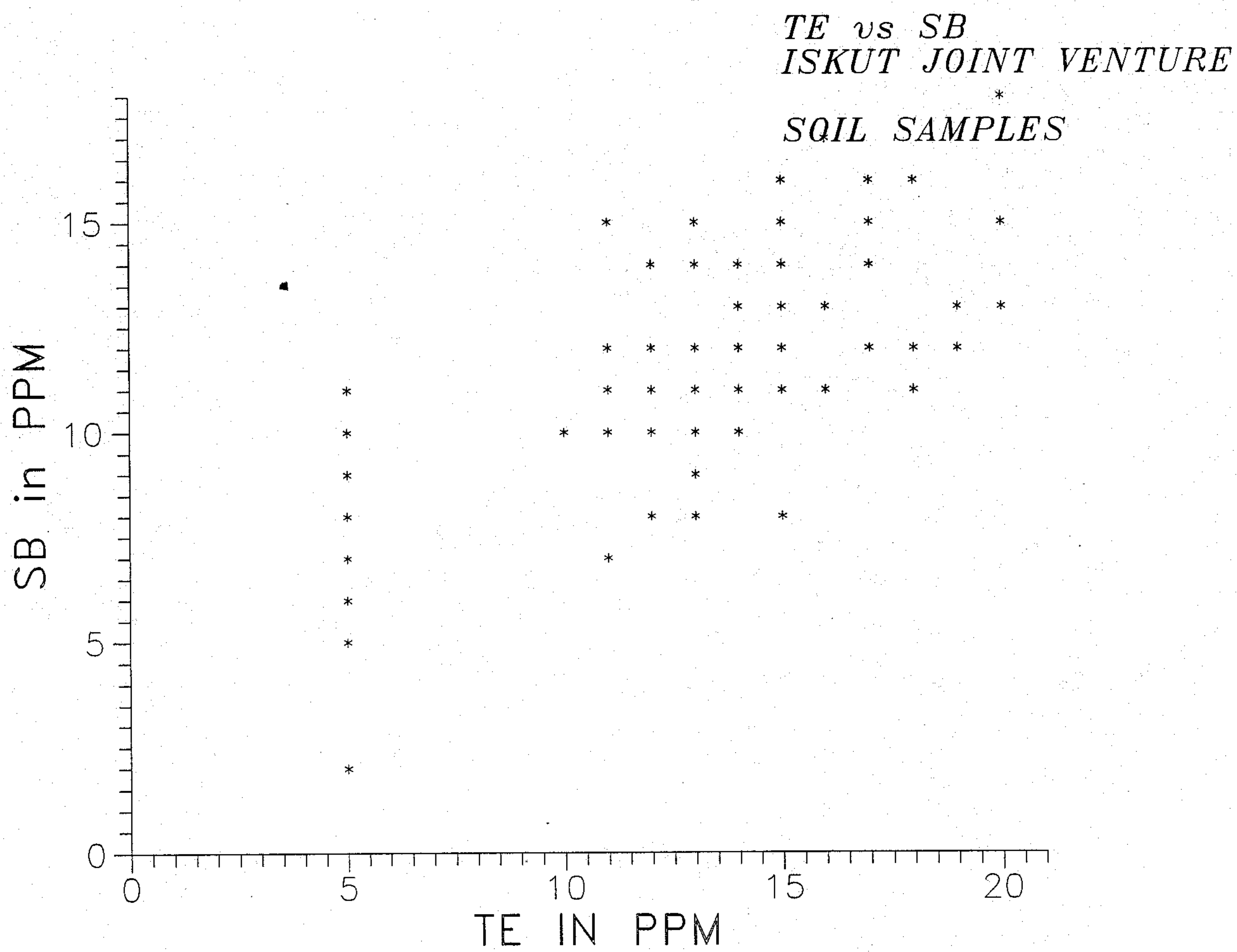
MG vs CU
ISKUT JOINT VENTURE
SOIL SAMPLES
CU in PPM
200
150
100
50
0
0.0
0.5
1.0
1.5
2.0
MG IN PCT

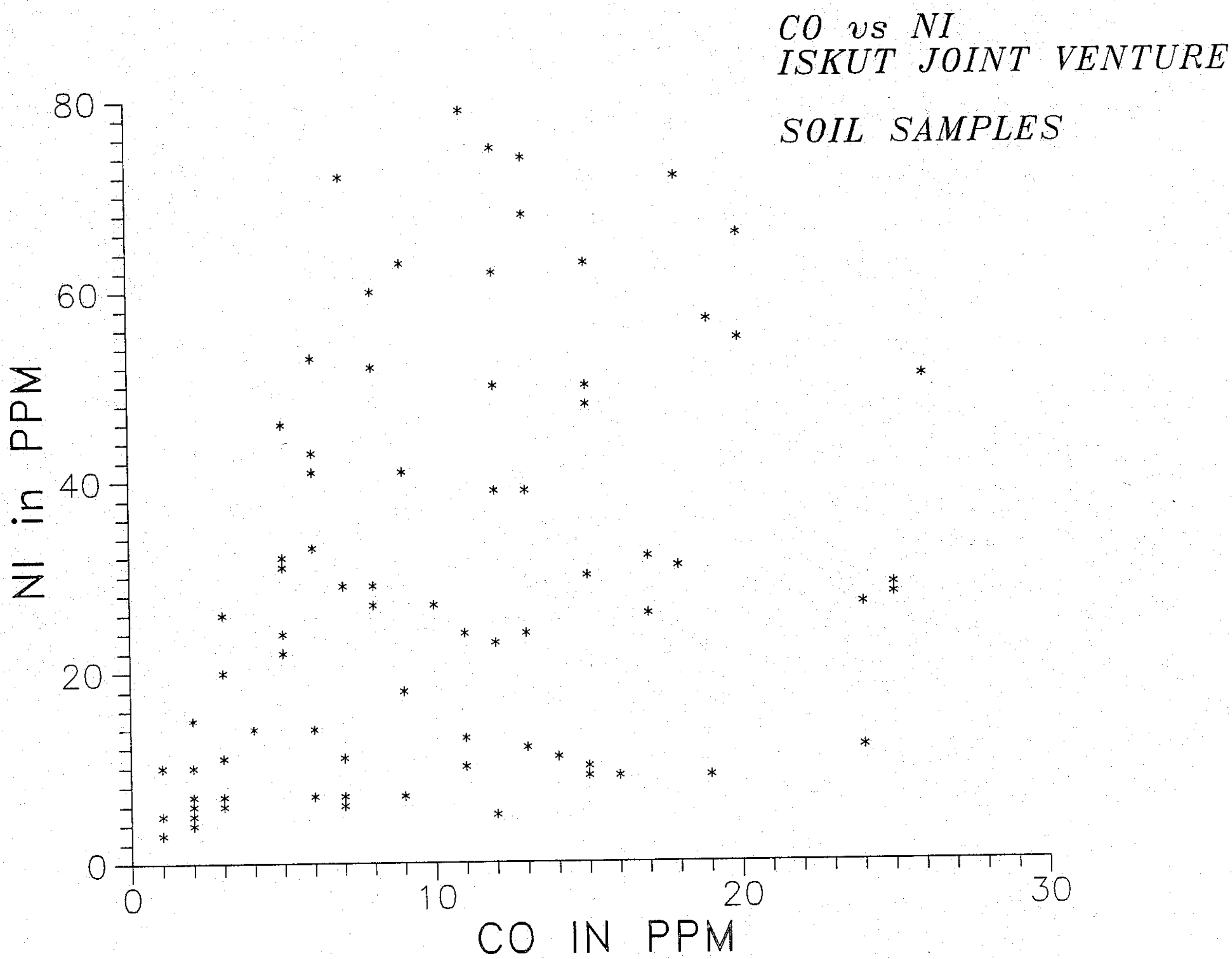

AS vs AG
ISKUT JOINT VENTURE
SOIL SAMPLES
AG in PPM
AS in PPM
0
2
4
0
1
2
3
4
5


CO vs CU
ISKUT JOINT VENTURE
SOIL SAMPLES
200
150
100
50
0
CU in PPM
0.0
10.0
20.0
30.0
CO IN PPM

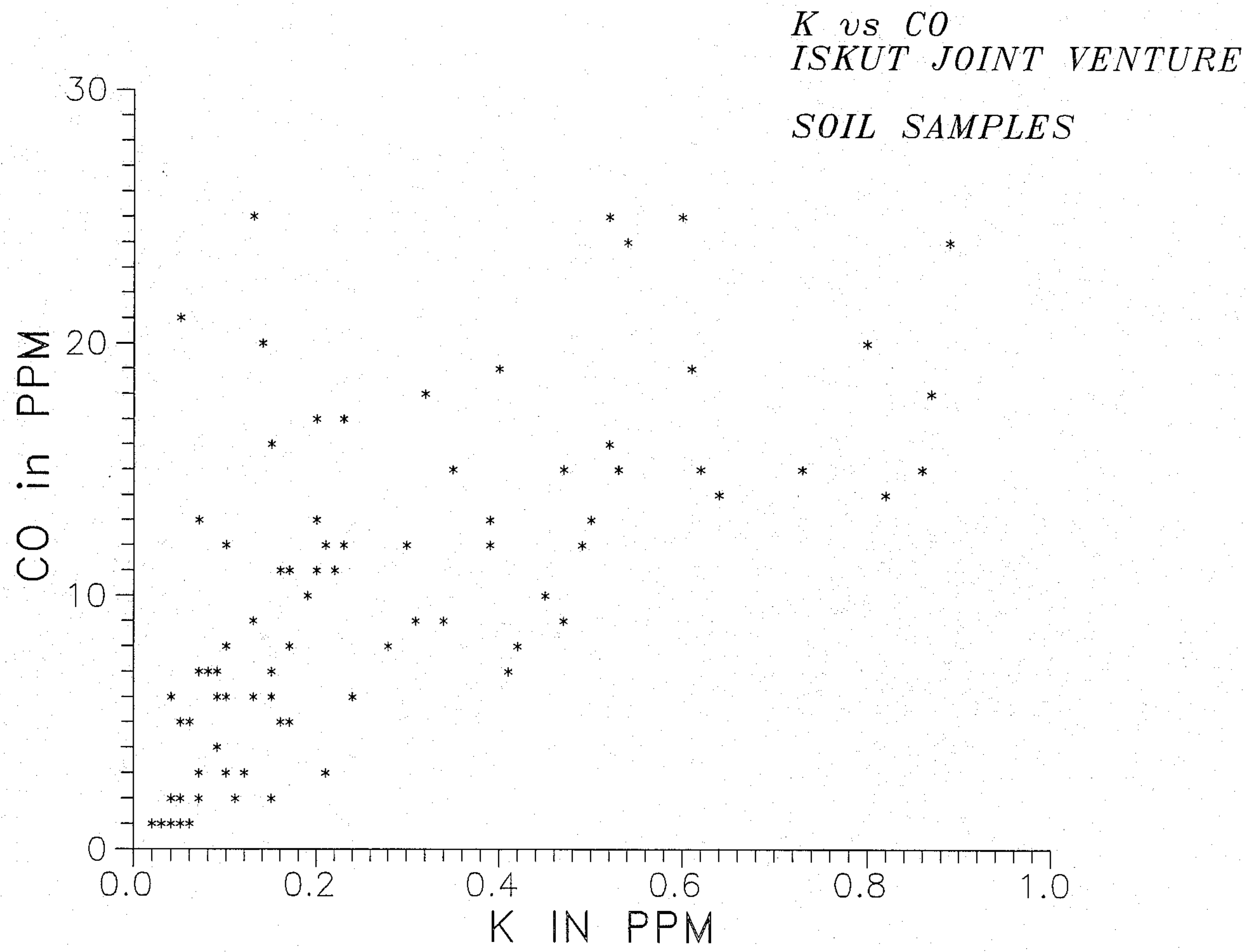

CO vs ZN
ISKUT JOINT VENTURE
SOIL SAMPLES
ZN in PPM
0
50
100
150
200
CO IN PPM
0
10
20
30

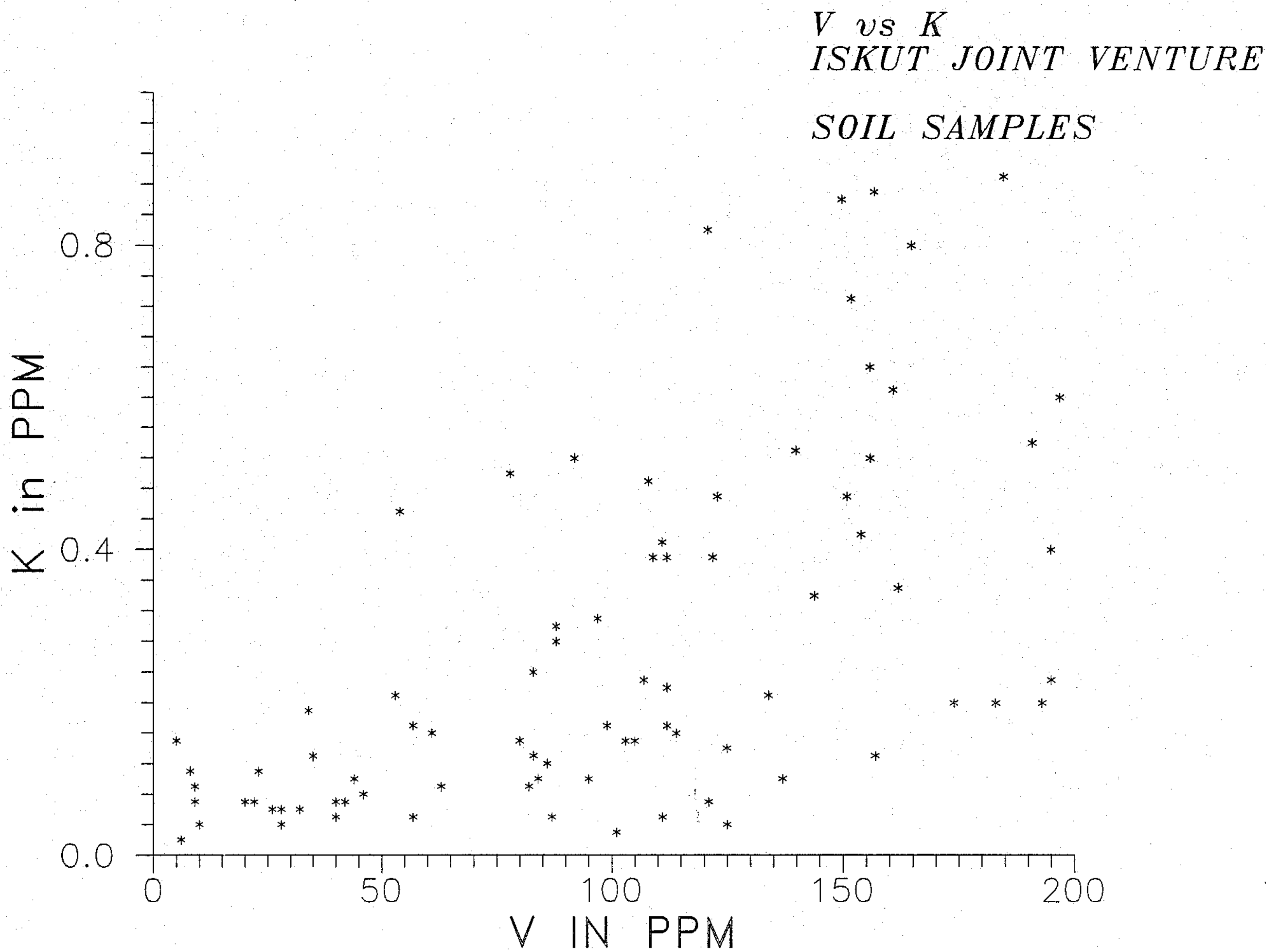

NI vs CR
ISKUT JOINT VENTURE
SOIL SAMPLES
200
150
100
50
0
CR in PPM
0
20
40
60
80
100
NI in PPM

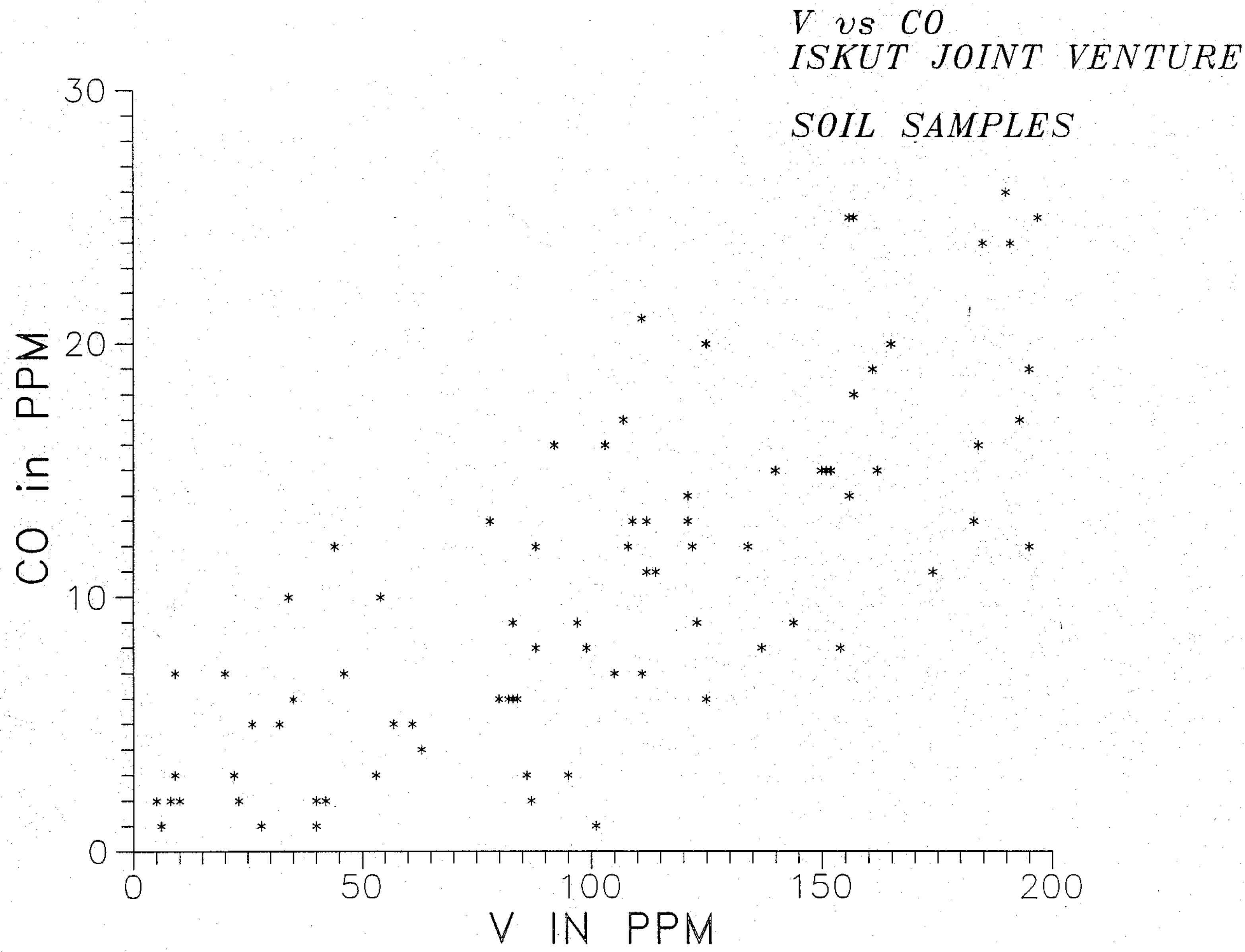

TE vs SB
ISKUT JOINT VENTURE
SOIL SAMPLES
SB in PPM
TE IN PPM
0
5
10
15
20



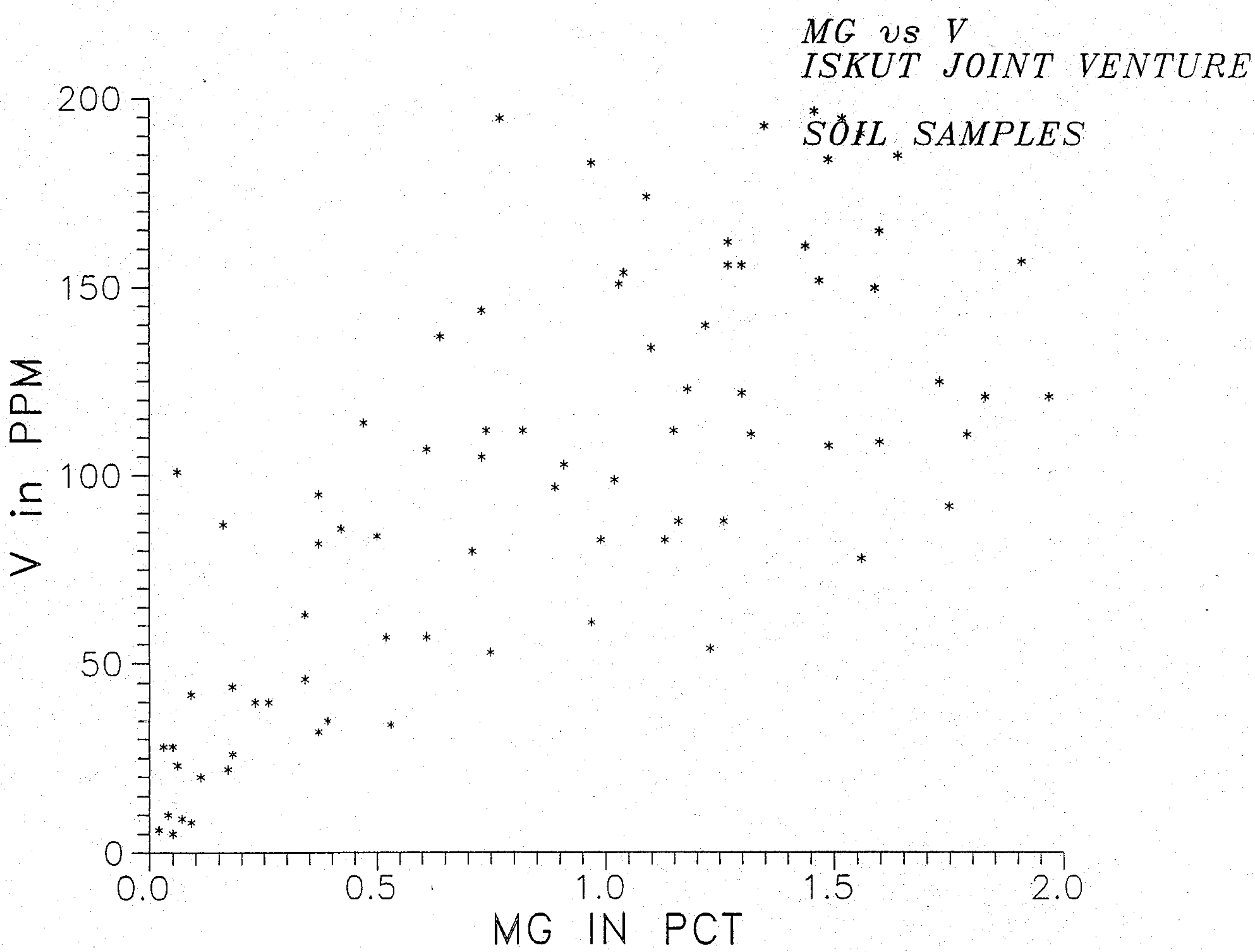
CO vs NI
ISKUT JOINT VENTURE
SOIL SAMPLES
NI in PPM
CO IN PPM
0
20
40
60
80
0
10
20
30

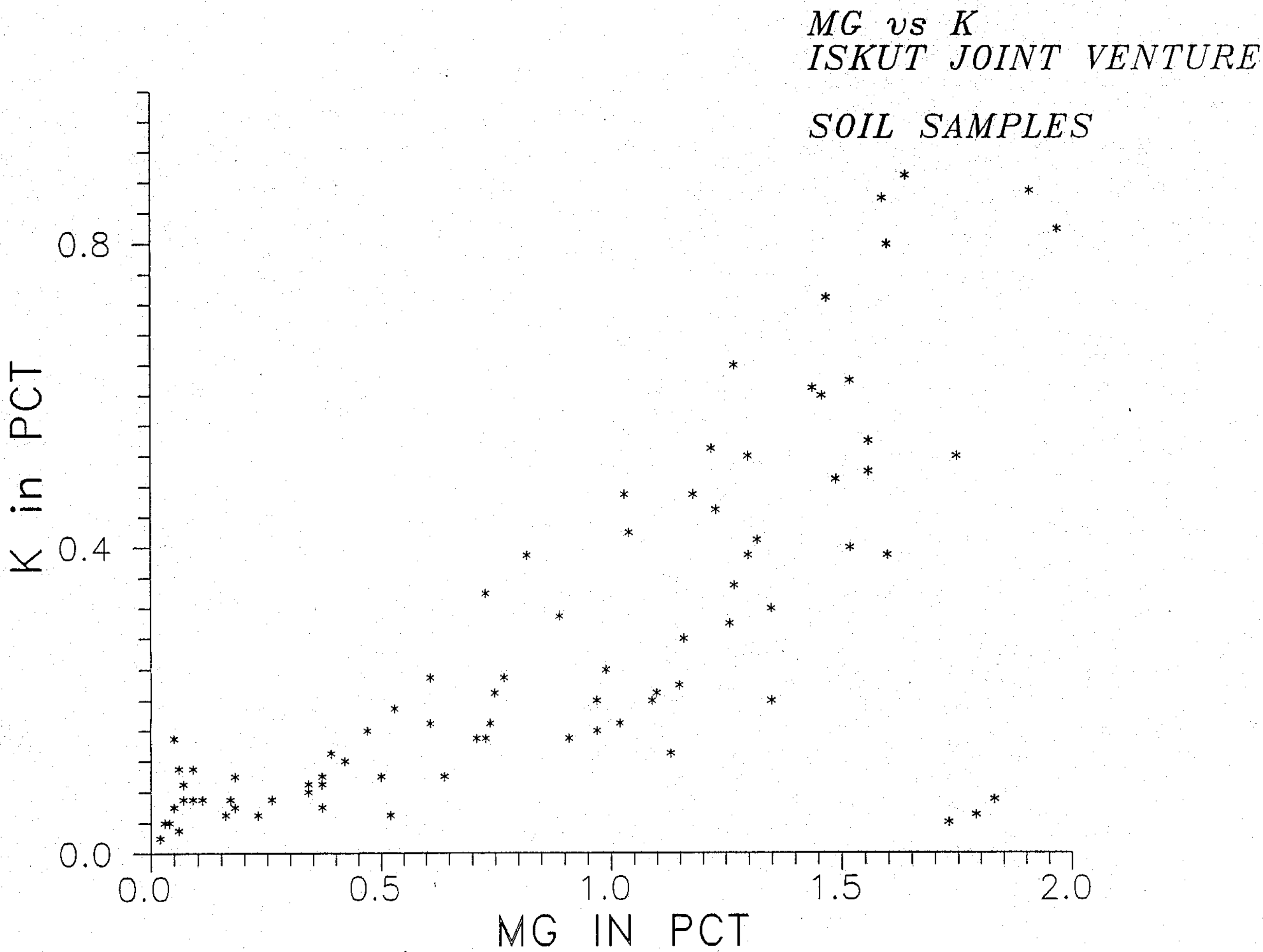

K vs CO
ISKUT JOINT VENTURE
SOIL SAMPLES
30
20
10
0
CO in PPM
0.0
0.2
0.4
0.6
0.8
1.0
K IN PPM

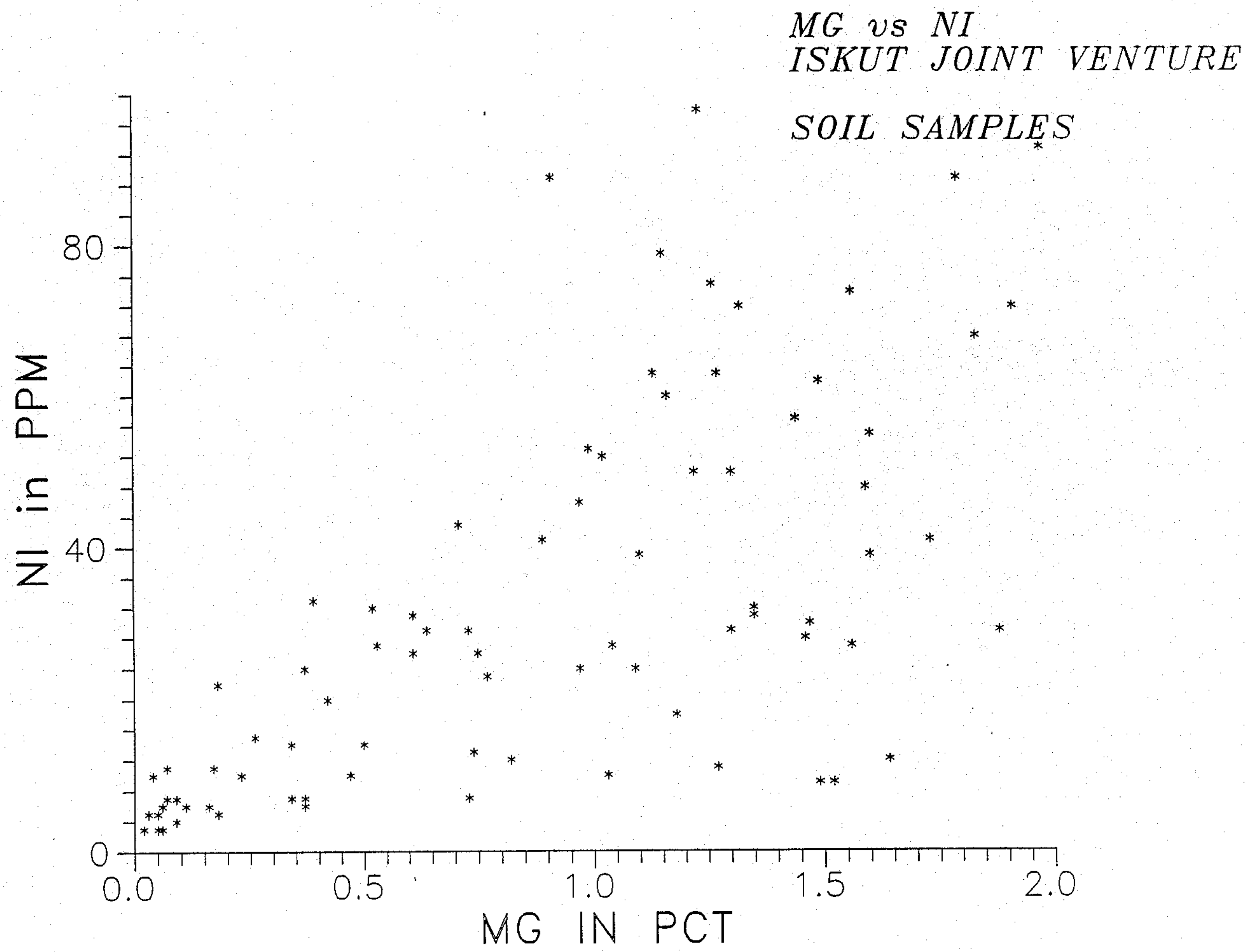

V vs K
ISKUT JOINT VENTURE
SOIL SAMPLES
K in PPM
0.0
0.4
0.8
0
50
100
150
200
V IN PPM

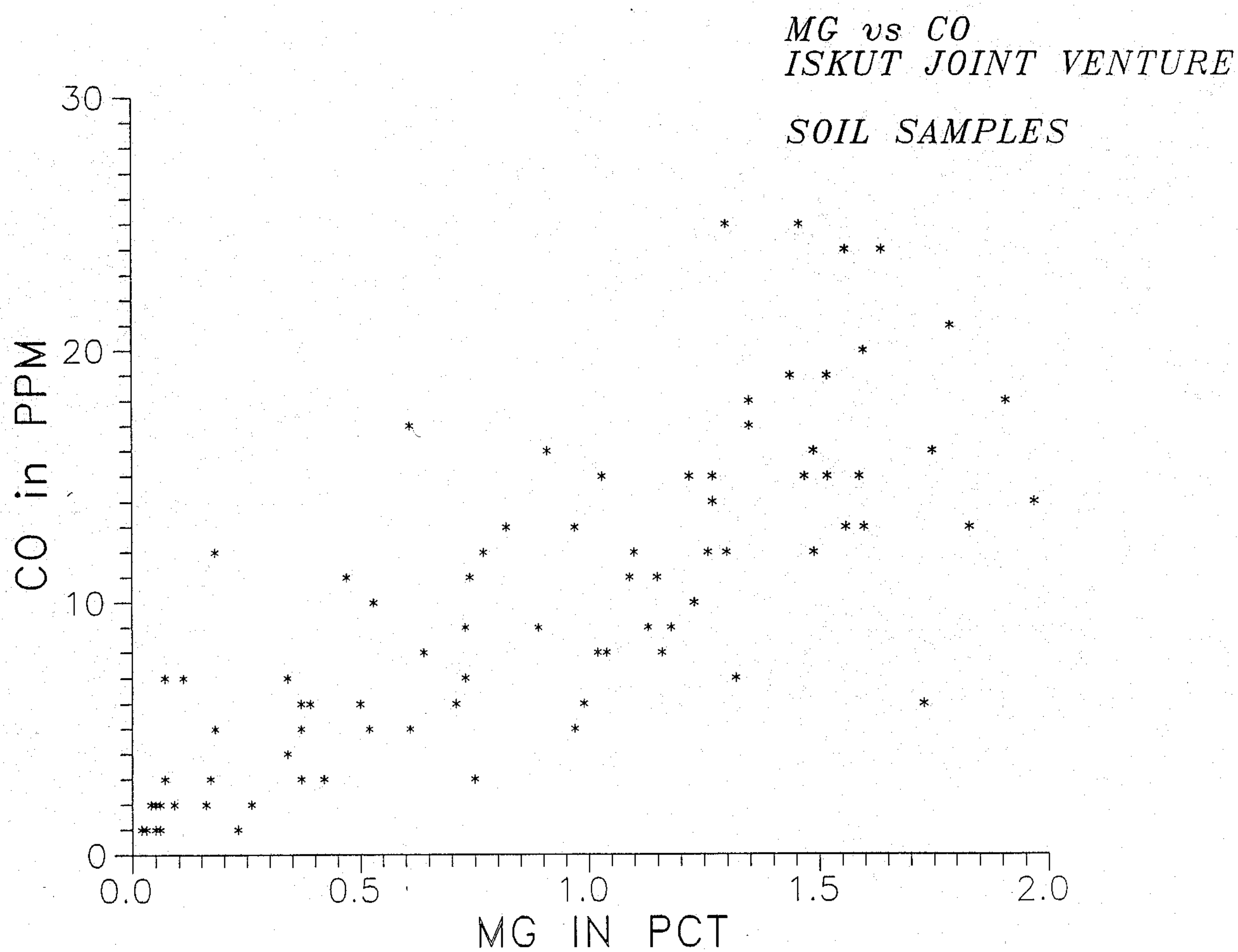


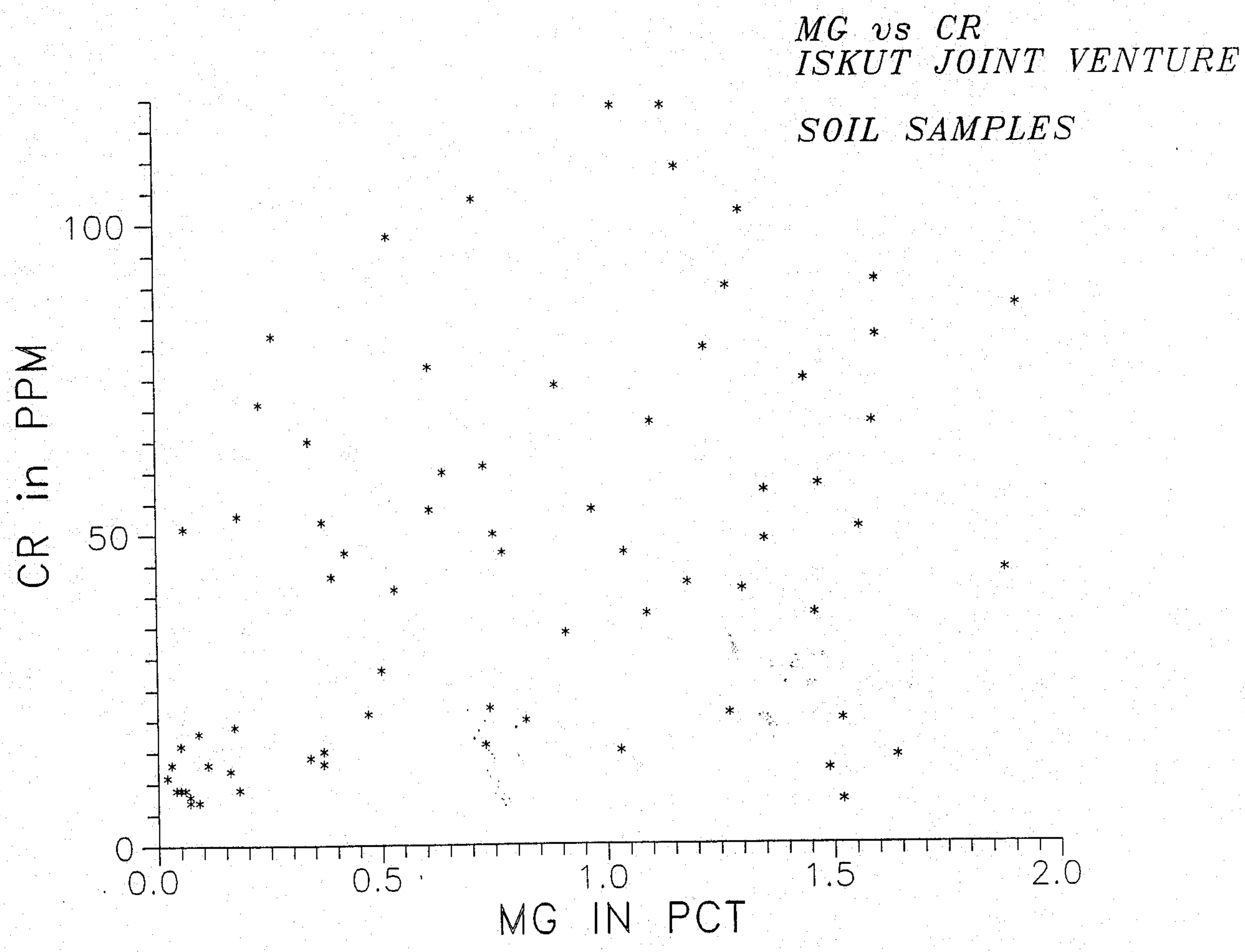
V vs CO
ISKUT JOINT VENTURE
SOIL SAMPLES
CO in PPM
V IN PPM
0
10
20
30
0
50
100
150
200


MG vs V
ISKUT JOINT VENTURE
SOIL SAMPLES
V in PPM
MG IN PCT
0
50
100
150
200
0.0
0.5
1.0
1.5
2.0

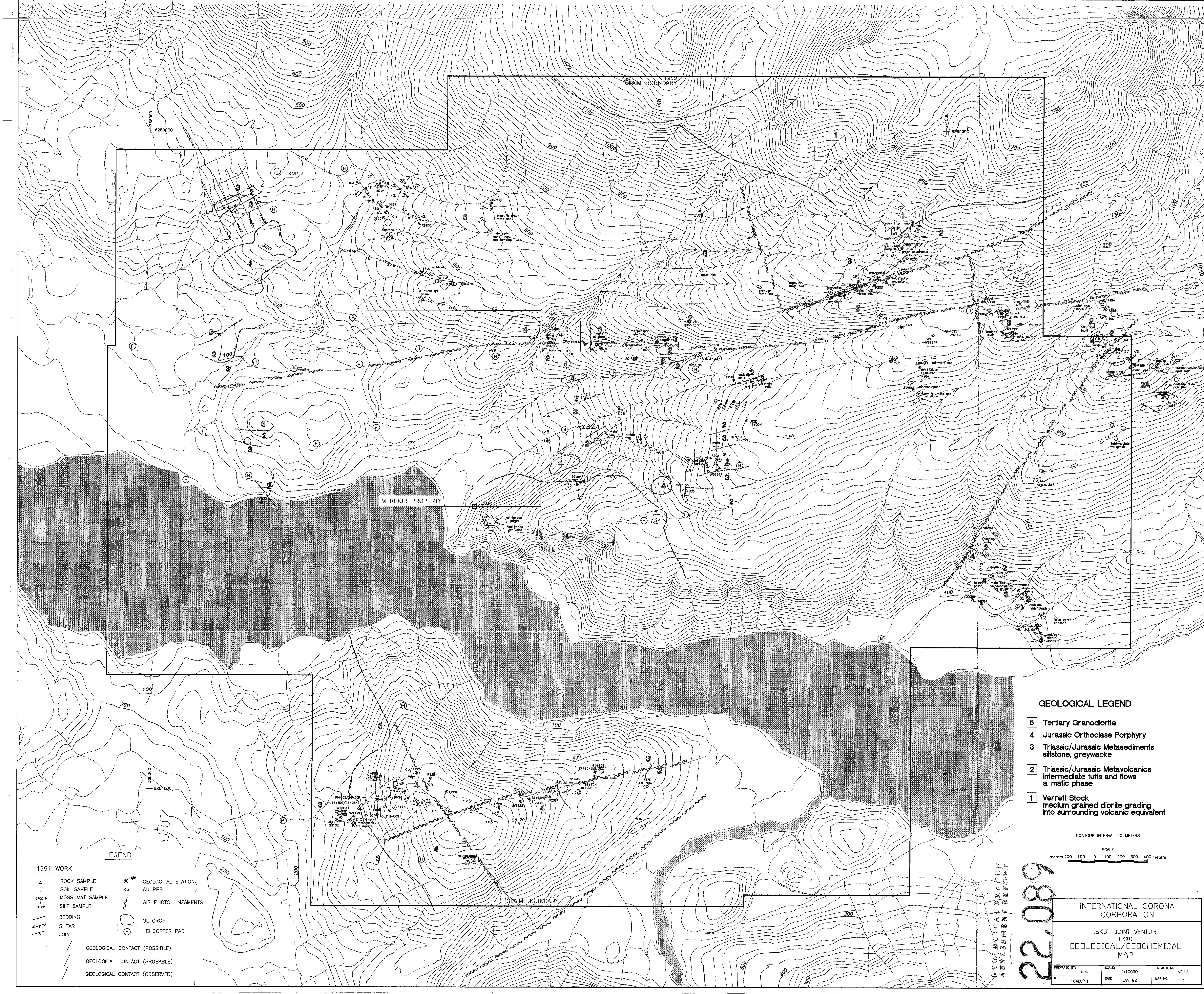

MG vs K
ISKUT JOINT VENTURE
SOIL SAMPLES
K in PCT
0.0
0.4
0.8
0.0
0.5
1.0
1.5
2.0
MG IN PCT

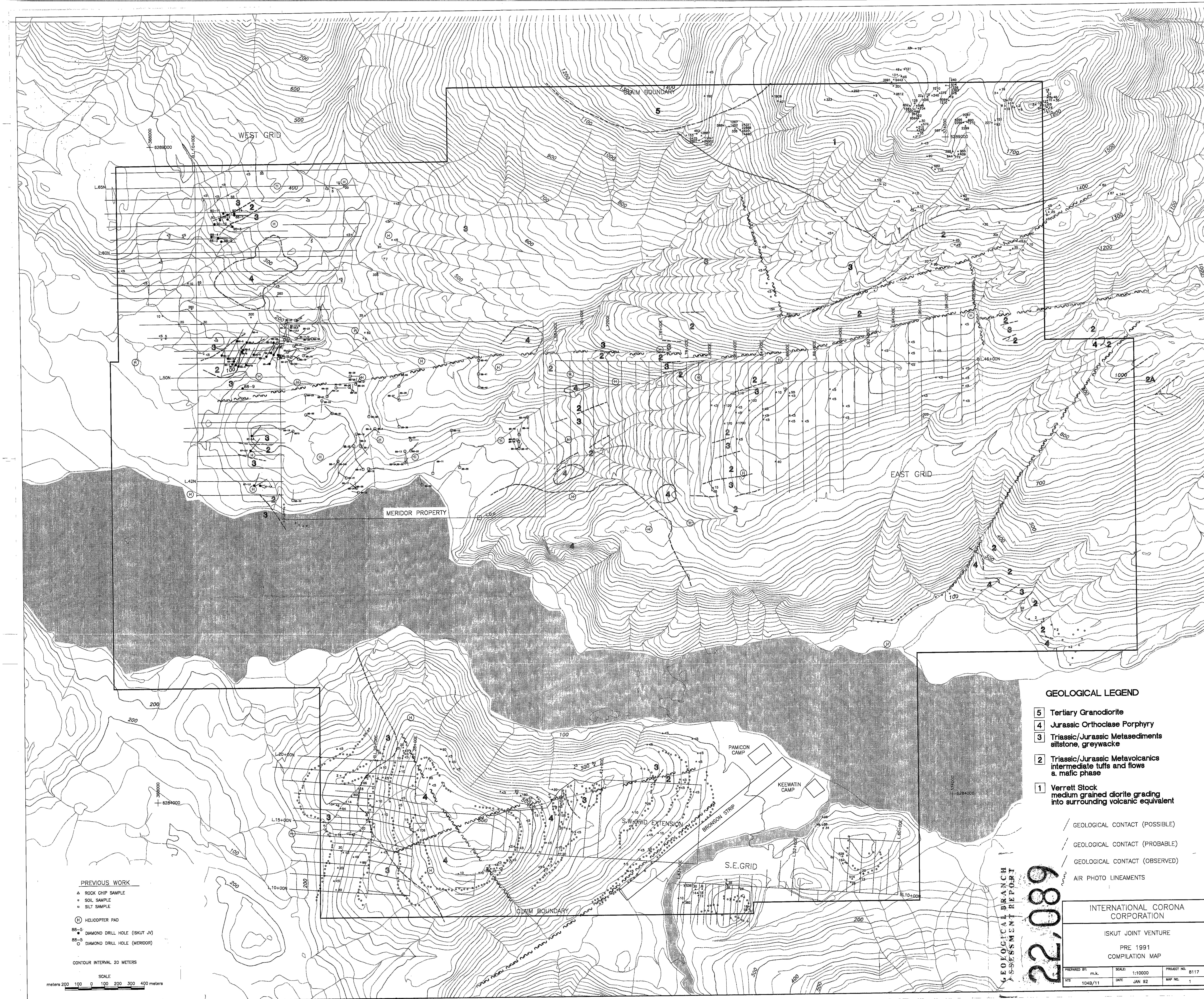

MG vs NI
ISKUT JOINT VENTURE
SOIL SAMPLES
NI in PPM
80
40
0
0.0
0.5
1.0
1.5
2.0
MG IN PCT

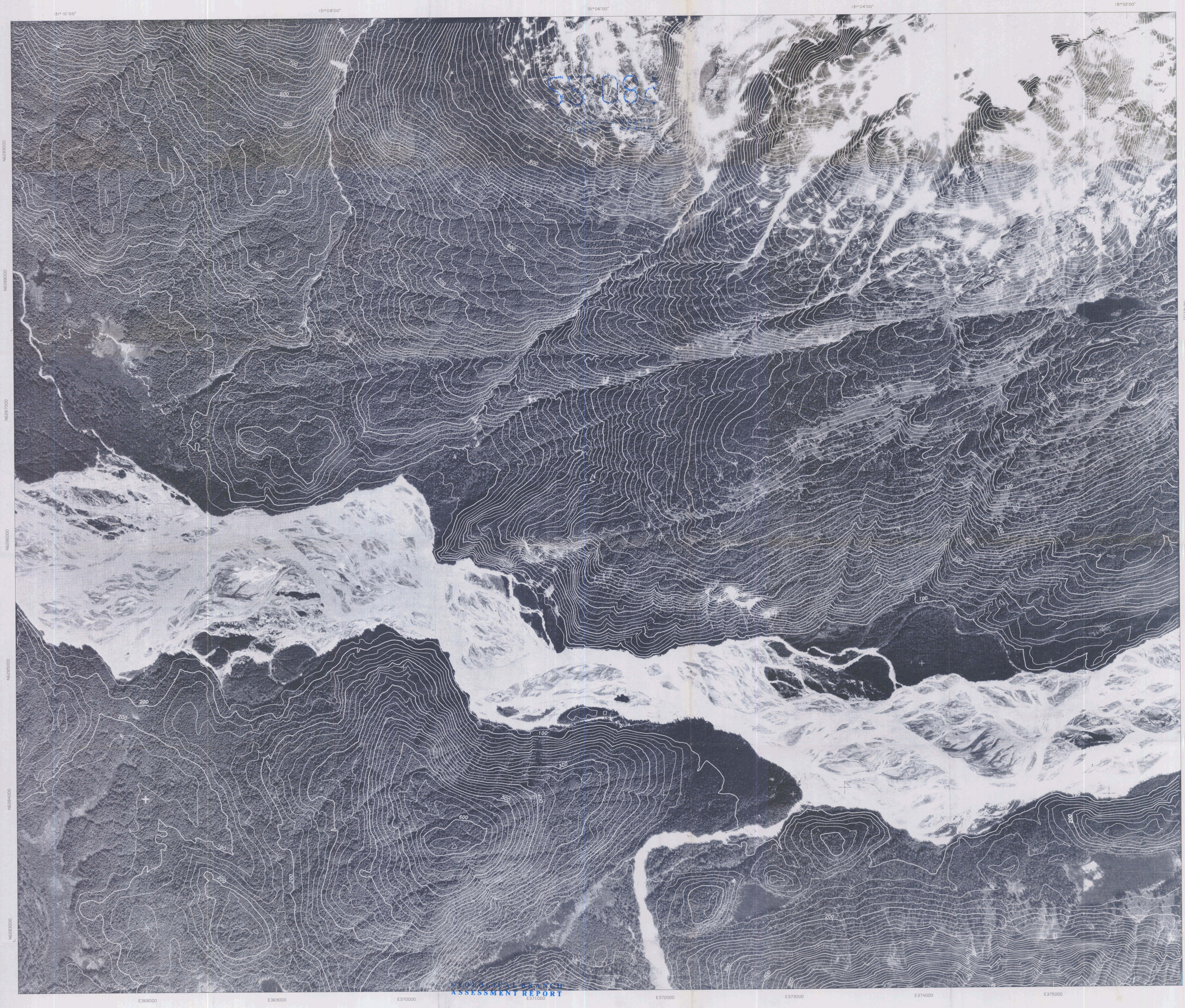

MG vs CO
ISKUT JOINT VENTURE
SOIL SAMPLES
CO in PPM
MG IN PCT
0
10
20
30
0.0
0.5
1.0
1.5
2.0



MG vs CR
ISKUT JOINT VENTURE
SOIL SAMPLES
CR in PPM
100
50
0
0.0
0.5
1.0
1.5
2.0
MG IN PCT


CLAIM BOUNDARY
MERIDOR PROPERTY
GEOLOGICAL LEGEND
5 Tertiary Granodiorite
4 Jurassic Orthoclase Porphyry
3 Triassic/Jurassic Metasediments siltstone, greywacke
2 Triassic/Jurassic Metavolcanics intermediate tuffs and flows a. mafic phase
1 Verrett Stock medium grained diorite grading into surrounding volcanic equivalent
CONTOUR INTERVAL 20 METERS
SCALE
meters 200 100 0 100 200 300 400 meters
LEGEND
1991 WORK
ROCK SAMPLE
SOIL SAMPLE
64051M MOSS MAT SAMPLE
64052T SILT SAMPLE
BEDDING
SHEAR
JOINT
E4#8 GEOLOGICAL STATION
<5 AU PPB
AIR PHOTO LINEAMENTS
OUTCROP
HELICOPTER PAD
GEOLOGICAL CONTACT (POSSIBLE)
GEOLOGICAL CONTACT (PROBABLE)
GEOLOGICAL CONTACT (OBSERVED)
GEOLOGICAL BRANCH ASSESSMENT REPORT
22,089
INTERNATIONAL CORONA CORPORATION
ISKUT JOINT VENTURE
(1991)
GEOLOGICAL/GEOCHEMICAL MAP
PREPARED BY: m.k.
SCALE: 1:10000
PROJECT NO. 8117
NTS 104B/11
DATE JAN 92
MAP NO. 2


WEST GRID
EAST GRID
MERIDOR PROPERTY
CLAIM BOUNDARY
S.W. GRID EXTENSION
S.E. GRID
BRONSON STRIP
PAMICON CAMP
KEEWATIN CAMP
GEOLOGICAL LEGEND
5 Tertiary Granodiorite
4 Jurassic Orthoclase Porphyry
3 Triassic/Jurassic Metasediments siltstone, greywacke
2 Triassic/Jurassic Metavolcanics intermediate tuffs and flows a. mafic phase
1 Verrett Stock medium grained diorite grading into surrounding volcanic equivalent
GEOLOGICAL CONTACT (POSSIBLE)
GEOLOGICAL CONTACT (PROBABLE)
GEOLOGICAL CONTACT (OBSERVED)
AIR PHOTO LINEAMENTS
PREVIOUS WORK
ROCK CHIP SAMPLE
SOIL SAMPLE
SILT SAMPLE
HELICOPTER PAD
88-5 DIAMOND DRILL HOLE (ISKUT JV)
88-5 DIAMOND DRILL HOLE (MERIDOR)
CONTOUR INTERVAL 20 METERS
SCALE
meters 200 100 0 100 200 300 400 meters
GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,089
INTERNATIONAL CORONA CORPORATION
ISKUT JOINT VENTURE
PRE 1991
COMPILATION MAP
PREPARED BY: m.k.
SCALE: 1:10000
PROJECT NO. 8117
NTS 104B/11
DATE JAN 92
MAP NO. 1



Date of photography: July 1982
Control taken from "TRIM" data base
Contours supplied by Corona Corporation
Area located on TRIM sheets 104B065, 104B075
Compiled by THE ORTHOSHOP
WO#3467

CORONA CORPORATION

ISKUT JOINT VENTURE

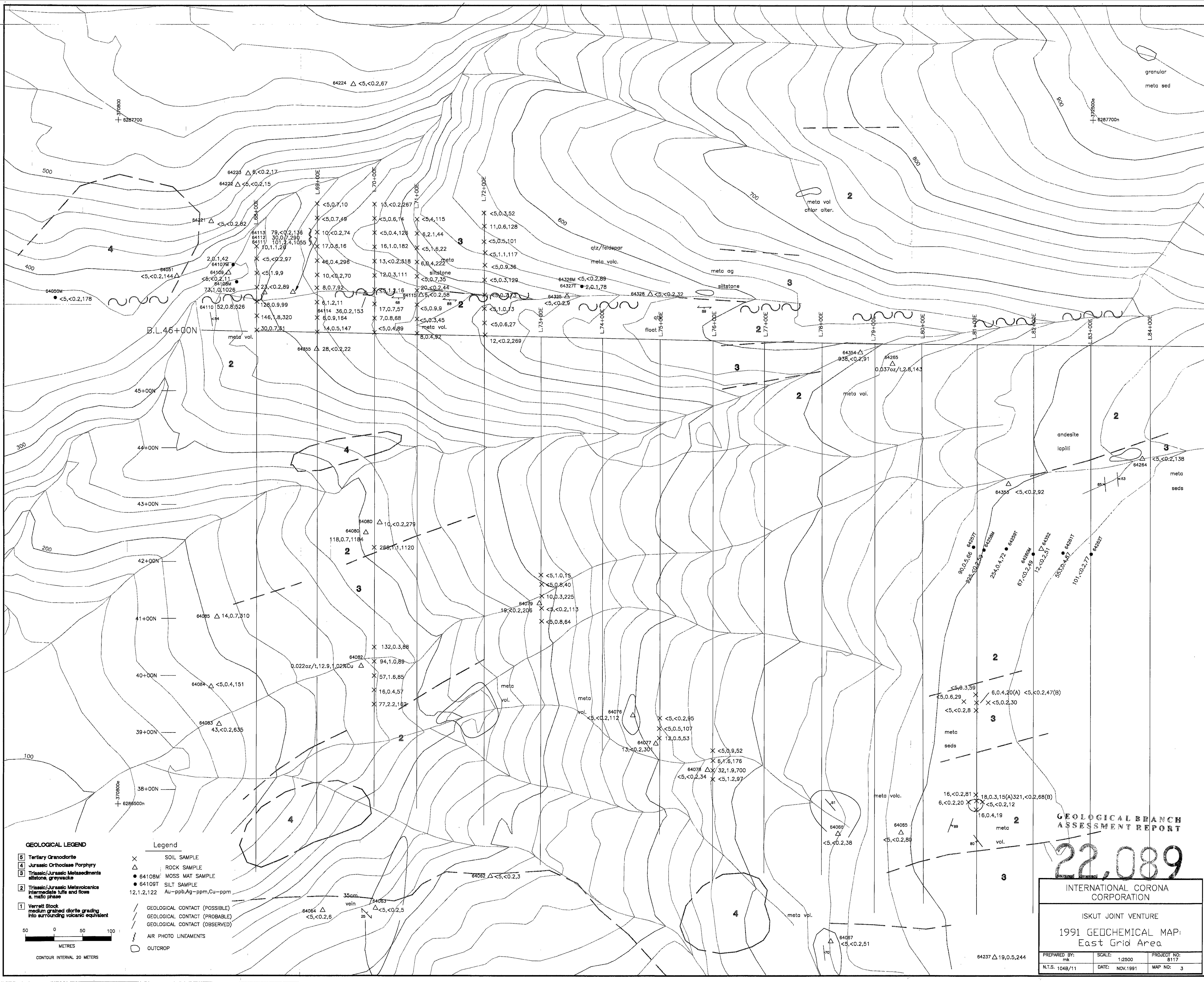
Orthophoto Map

Scale 1 : 10 000

200 0 200 400 600 800 1000 m

Contour Interval 20 m

MAP 4



INTERNATIONAL CORONA CORPORATION
ISKUT JOINT VENTURE
1991 GEOCHEMICAL MAP: East Grid Area
PREPARED BY: mk
SCALE: 1:2500
PROJECT NO: 8117
N.T.S. 104B/11
DATE: NOV.1991
MAP NO: 3
GEOLOGICAL BRANCH ASSESSMENT REPORT
22,089
GEOLOGICAL LEGEND
5 Tertiary Granodiorite
4 Jurassic Orthoclase Porphyry
3 Triassic/Jurassic Metasediments siltstone, greywacke
2 Triassic/Jurassic Metavolcanics intermediate tuffs and flows a. mafic phase
1 Verrett Stock medium grained diorite grading into surrounding volcanic equivalent
Legend
SOIL SAMPLE
ROCK SAMPLE
64108M MOSS MAT SAMPLE
64109T SILT SAMPLE
12,1.2,122 Au-ppb,Ag-ppm,Cu-ppm
GEOLOGICAL CONTACT (POSSIBLE)
GEOLOGICAL CONTACT (PROBABLE)
GEOLOGICAL CONTACT (OBSERVED)
AIR PHOTO LINEAMENTS
OUTCROP
METRES
CONTOUR INTERVAL 20 METERS
B.L.46+00N
45+00N
44+00N
43+00N
42+00N
41+00N
40+00N
39+00N
38+00N
L.68+00E
L.69+00E
L.70+00E
L.71+00E
L.72+00E
L.73+00E
L.74+00E
L.75+00E
L.76+00E
L.77+00E
L.78+00E
L.79+00E
L.80+00E
L.81+00E
L.82+00E
L.83+00E
L.84+00E
6287700
6287700n
6285500n
granular meta sed
meta vol chlor alter.
qtz/feldspar meta volc.
meta ag siltstone
meta siltstone
meta vol.
andesite lapilli
meta seds
meta volc.
35cm vein
qtz float
64224 <5,<0.2,67
64223 6,<0.2,17
64222 <5,<0.2,15
64221 <5,<0.2,82
64050M <5,<0.2,178
64051 <5,<0.2,144
64355 28,<0.2,22
64354 938,<0.2,91
64265 0.037oz/t,2.8,143
64264 <5,<0.2,138
64353 <5,<0.2,92
64080 10,<0.2,279
64080 118,0.7,1184
64085 14,0.7,310
64082 0.022oz/t,12.9,1.02%Cu
64084 <5,0.4,151
64083 43,<0.2,635
64079 19,<0.2,206
64076 <5,<0.2,112
64077 13,<0.2,301
64078 <5,<0.2,34
64066 <5,<0.2,38
64065 <5,<0.2,80
64062 <5,<0.2,3
64064 <5,<0.2,6
64063 <5,<0.2,5
64067 <5,<0.2,51
64237 19,0.5,244
64325 <5,<0.2,9
64326 <5,<0.2,32