87-535-16210

GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT STRIKER PROPERTY

(Footloose 1-6, Cott 1-5, Zip 1-3, Thriller 1-6
Striker 1-6, Ridge 1-3, Joss 1-6)

VICTORIA MINING DIVISION
92C/16E, 16W

Lat. 48° ~~54'~~ N 55'18"
Long. 124° ~~12'~~ W 13'48"

Owned and Operated by
Utah Mines Ltd.

GEOLOGICAL BRANCH
ASSESSMENT REPORT
Part 1 of 2
16,210

Paul S. Cowley
Roger S. Ord
Christopher A.F. Robinson

Vancouver, BC
September, 1987

Table of Contents

List of Tables

List of Figures

List of Maps in Pocket

List of Plates in Pocket

List of Appendices

SUMMARY

The Striker Property lies immediately north of Cowichan Lake, Vancouver Island. The property consists of 616 units in 36 contiguous mineral claims, the bulk of which were established by Utah Mines Ltd. in June 1984.

The property overlies Sicker Group rocks which are favourable for polymetallic volcanogenic massive sulphide mineralization such as at Westmin or Twin "J". Several significant occurrences of felsic volcanics have been identified at the top of an andesitic pyroclastic pile.

No massive sulphide mineralization has been located on the property, however, mineralization of various types are present. Exhalative horizons evident by the sporadic rhodonite/jasper/magnetite lenses in the succession occassionally contain anomalous Mo, Au and Cu. Syndepositional pyrite is common in argillites, in some instances carrying significant Au, Ba, Ag, Mo and Zn. Marginal intrusive mineralization occurs as Cu - Mo +/- Au + Zn veins and geochemically anomalous Au-bearing shear zones.

In 1984 a Questar airborne geophysical survey was flown over the property and located and prioritized numerous conductors. Four grids were located in 1985 over the most promising targets for soiling, mapping and geophysics. Grid extensions were established in 1986.

The 1985/86 Geophysical program primarily consisted of collecting magnetic, VLF-EM and limited CEM (Shootback) EM-4 data on the grids established over the Input conductors. The 1986/87 Geophysical program extended the magnetic/VLF-EM coverage in these areas and, in additionm did systematic Genie/EM -4/CEM/Pulse EM in search of conductive massive sulfides. On one grid DP-DP IP was also used to investigate the nonconductive mineral potential. The results of these surveys indicate that several areas are of interest as potential massive sulfides.

Results from soiling on the grids outlined some mildly interesting base and precious metal zones, some resolved as structurally or intrusive influenced, others from high background in certain rock types.

The 1986/87 exploration program provides an encouraging base for further exploration on the property.

INTRODUCTION

The objective of the 1986/87 Striker Property program was to continue extensive geological, geophysical and geochemical ground follow-up subsequent to the mapping and sampling program in the evaluation of the massive sulphide potential.

Mapping and concurrent sampling of 316 rocks, 1257 soils and 398 silts were performed across the property. Only one 6X7 m trench ws dug in search for the source of an extremely high Zn soil. Soil samples were taken from the B horizon

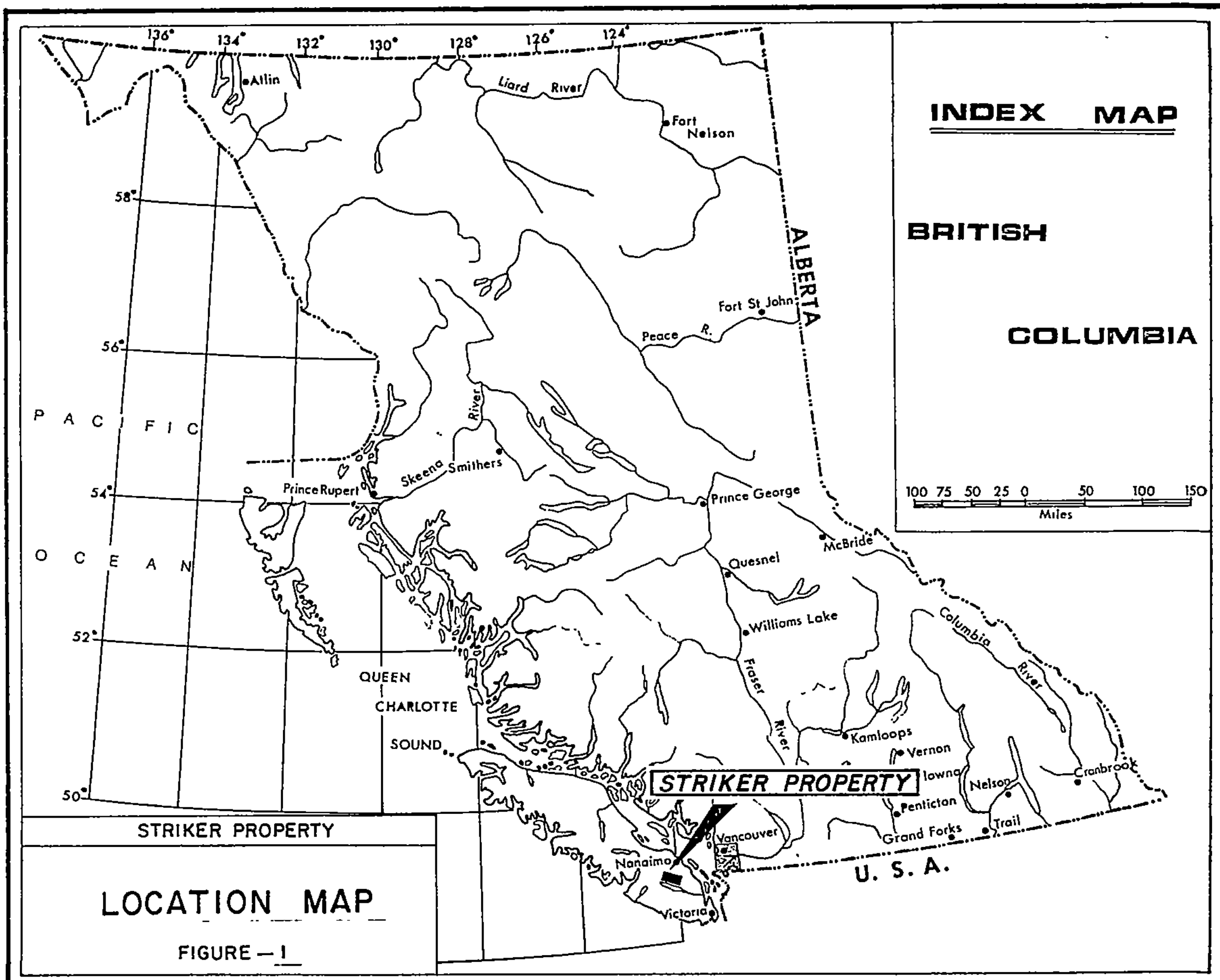
The geophysical program consisted of 51.8 line kms of combined VLF-EM total field intensilty magnetics, 5.5 line kms of reconnaissance VLF-EM, 37.2 line kms of Genie/EM-4 data, 11.0 line kms of CEM (Shootback), 14.6 line kms of Pulse EM, 4.9 km of downhole Pulse EM data, and 10.1 line kms of DP-DP Ip.

The exploration crew involved with the 1986 summer program consisted of geologists P. Cowley and C. Robinson and geophysicist R. Ord, assisted by R. Rogers, B. Nachtigal, T. Connor, C. Zaremba, and T. Willis and J. Mueller. In 1987, the crew consisted of geologist P. Cowley and C. Robinson and geophysicist R. Ord, assisted by B. Watts, C. Zaremba, D. Tremaine and N. Lang.

LOCATION AND ACCESS

The Striker Property, within the Victoria Mining Division, is located on the 1:50,000 scale Cowichan Lake Map Sheet 92C/16. The property is centered on 48° 54' N and 124° 12' W (see Figure 1). The town of Lake Cowichan is three (3) kilometres south of the easternmost part of the claims.

Westbound Highway 18 accesses the Cowichan Valley. Within the valley, northbound principal logging roads access the property via Meade, Cottonwood, McKay Marguerite and Shaw Creeks. Numerous secondary logging roads in various conditions allow further penetration. An alternate route along the Chemainus River MacMillan-Blodel main haul road west from Highway 1 provides limited access to the property.



STRIKER PROPERTY

LOCATION MAP

FIGURE – 1

PHYSIOGRAPHY

The Cowichan Lake area lies within the eastern mountainous region of Vancouver Island. Prevalent low rounded summits and U-shaped valleys in the eastern part of the property give way westward to steeper higher relief terrain. Elevations range from 170 meters at Cowichan Lake to 1541 meters at Mount Whymper. Topography is strongly controlled by the northwest trending geologic fabric and structure. Fault controlled valleys are evident.

Heavy Douglas fir, hemlock and red cedar forests cover the landscape. Approximately 35% of the property, however, has experienced a history of logging with various stages of regrowth.

CLAIMS

The Striker Property is composed of 616 units in 36 contiguous mineral claims (see Figure 2). The property shares common boundaries with several competitors. The Striker property is owned and operated by Utah Mines Ltd. Table 1 details the Striker claim status.

TABLE 1: STRIKER PROPERTY CLAIM DATA

VICTORIA MINING DISTRICT

N.T.S. 92C/16

NAME	UNITS	RECORD DATE	RECORD No	YEAR OF EXPIRY
Group 1				
Ridge 1	(10)	Nov. 1, 1984	1385	1991
Ridge 2	(8)	" "	1386	1991
Ridge 3	(4)	" "	1387	1991
Thriller 2	(15)	July 6, 1984	1308	1994
Thriller 3	(20)	" "	1307	1994
Thriller 4	(20)	" "	1306	1991
Thriller 6	(20)	" "	1304	1993
Group 2				
Thriller 1	(16)	July 6, 1984	1309	1996
Thriller 5	(16)	" "	1305	1995
Striker 1	(20)	" "	1303	1992
Striker 2	(15)	" "	1302	1990
Striker 4	(16)	" "	1300	1995
Striker 5	(12)	" "	1299	1996
Group 3				
Cott 1	(18)	July 6, 1984	1317	1997
Cott 2	(18)	" "	1316	1997
Striker 3	(20)	" "	1301	1996
Striker 6	(20)	April 19, 1985	1484	1997
Zip 2	(15)	" "	1311	1991
Group 4				
Zip 1	(20)	July 6, 1984	1312	1991
Zip 3	(20)	" "	1310	1989
Cott 3	(18)	" "	1315	1990
Cott 4	(18)	" "	1314	1990
Cott 5	(20)	" "	1313	1991

Group 5

Footloose 1	(20)	July 6, 1984	1321	1991
Footloose 2	(20)	" "	1322	1991
Footloose 3	(16)	" "	1320	1990
Footloose 4	(20)	" "	1319	1990
Footloose 5	(18)	" "	1318	1990

Group 6

Joss 1	(18)	March 15, 1985	1458	1988
Joss 2	(18)	" "	1459	1988
Joss 3	(18)	" "	1460	1988
Joss 4	(18)	" "	1461	1988
Joss 5	(16)	" "	1462	1988

Group 7

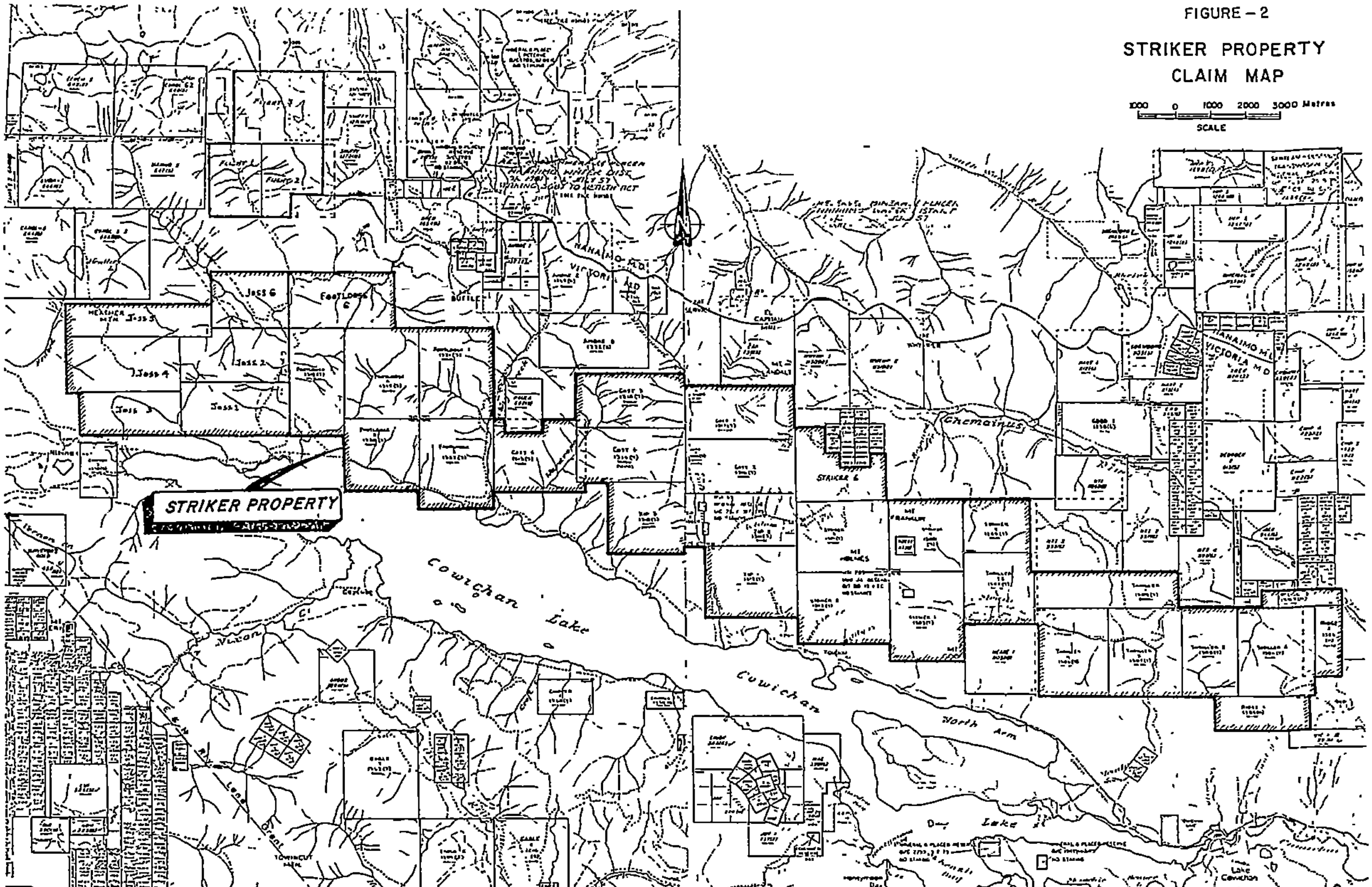
Footloose 6	(18)	June 5, 1986	1693	1989
Joss 6	(12)	June 5, 1986	1692	1989

Ungrouped

Cott 6	(20)	June 5, 1987	1984	1988

FIGURE – 2

STRIKER PROPERTY
CLAIM MAP



HISTORY

Two eminent geologists, Clap (1912 - 1917) and Bancroft (1913), contributed to the first regional geological work on southern Vancouver Island. Clap initially recognized and named the Sicker, Vancouver and Nanaimo Groups. Fyles (1949, 1955) performed detailed geological work within the Cowichan Lake map sheet. Fyles reported a laterally extensive 200 metre thick cherty tuff marker bed with isolated pods of rhodonite ($MnSiO_3$) within Sicker sediments. Muller (1980) in his Sicker Group regional investigation further divided the group into the Nitinat and Myra Formations and an informal "sediment - sill" unit which underlie the previously named uppermost Buttle Lake Formation.

The area has been prospected for possible Sicker Group hosted Westmin and Twin "J" type polymetallic massive sulfiphe deposits throughout the century. Localized geological reports are available from various molybdenum, copper and gold prospects both past and present.

REGIONAL GEOLOGY

On southern Vancouver Island, three northwest trending structural uplifts expose a mid-Paleozoic through Mesozoic sequence of volcanic, sedimentary and granitic rocks: the Cowichan-Horne Lake, Buttle Lake, and Nanoose uplifts. The largest, the Cowichan-Horne Lake uplift, trends from Saltspring Island northwest, through the property to the Alberni area. The Buttle Lake uplift trending through the southern part of Buttle Lake hosts the Westmin deposits. The Nanoose uplift surrounds the town of Nanoose Bay. Within these uplifts, three episodes of volcanism of similar style can be witnessed in the Silurian-Permian Sicker Group, late to middle Triassic Vancouver Group and early Jurassic Bonanza Group rocks. These rocks may be intruded by the early to middle Jurassic Island Intrusions and/or capped by late Cretaceous Nanaimo Group sediments.

The oldest rocks within the Cowichan-Horne Lake uplift, the Sicker Group, are subdivided into the lower Nitinat Formation, the middle Myra Formation, an informally named "sediment-sill" unit and the uppermost Buttle Lake Formation (see Table II). The Sicker Group rocks represent island arc terrane comprising massive submarine basic, intermediate and rhyodacitic flows and pyroclastics overlain by shallow water sediments. The Nitinat Formation forms the basal succession with massive basaltic flows and agglomerates. Diagnostic features distinguishing the Nitinat and the overlying Myra Formation are the presents of uralite crystals (actinolite pseudomorphs after augite) in the Nitinat and the thin bedding of the Myra stratigraphy. The Nitinat Formation grades upward into but may be locally unconformable with the Myra Formation. The Myra Formation grades upward from andesitic lapillis and tuffs, locally rhyodacitic passing into cherty ash tuffs. The succession grades further upward into the "sediment-sill" unit exhibiting a dominant sedimentary environment with associated diorite sills or flows. The sills or flows are probably roots of the Vancouver Group volcanism. The group continues to shallow into the Buttle Lake Formation composed of crinoidal limestone and associated shallow water sediments. The package has experienced regional greenstone metamorphism which disguises or obliterates textures.

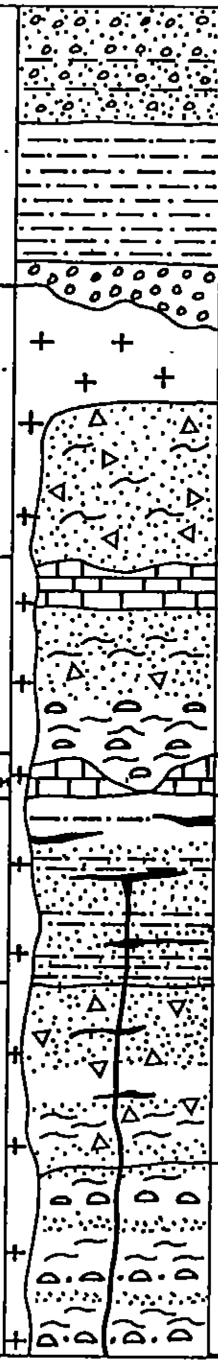
The upper Triassic Vancouver Group unconformably overlies the Sicker Group. The Karmutsen and Quatsino Formations comprising the Vancouver Group are massive submarine dark gray fine-grained to aphanitic basaltic flows overlain by massive grey argillaceous limestones and minor sediments. The Karmutsen rock may be difficult to distinguish from the other volcanic groups by colour and texture. Pillows, although noted in the Nitinat Formation, are more abundant in the Karmutsen and may be a good diagnostic feature. In addition, greenstone metamorphism is slightly less intense.

TABLE II

TABLE OF FORMATIONS

ERA	PERIOD	NAME	GROUP	DESCRIPTION
MESOZOIC	UPPER CRETACEOUS	GABRIOLA to EXTENSION FMS UNDIFFERENTIATED	NANAIMO GROUP	Repeating sequence of conglomerate sandstone and siltstone
		HASLAM FM.	NANAIMO GROUP	Black marine shale & sandstone
		COMOX FM.	NANAIMO GROUP	Conglomerate, sandstone
	LOWER - MIDDLE JURASSIC	ISLAND INTRUSIONS		Granodiorite and quartz diorite
		BONANZA GROUP		Basaltic to rhyolitic tuff, breccia, flows, minor argillite, greywacke
	UPPER TRIASSIC	QUATSINO FM.	VANCOUVER GP	Limestone; minor siltstone, chert & cherty Lst.
		KARMUTSEN FM.	VANCOUVER GP	Pillow basalt, breccia tuff, minor flows
PALEOZOIC	PENN-PERM	BUTTLE LAKE FM.	SICKER GROUP	Limestone, greywacke, argillite, chert
	PENN - MISS	MYRA FM.	SICKER GROUP	Argillite, greywacke, chert, Diorite sills (Muller's sediment-sill unit)
	LOWER DEVONIAN and older	MYRA FM.	SICKER GROUP	Well bedded silicic tuff and breccia, argillite, rhyodacite flows, minor basic tuff, rare diorite sills, massive sulphides
		NITINAT FM.	SICKER GROUP	Pillow lava and breccia of augite porphyry: basic tuff

LITHOLOGY



The lower Jurassic Bonanza Group unconformably overlying the Vancouver Group comprises the third island arc succession with massive basaltic to rhyolitic tuff, breccia and flows accompanied by minor argillite.

The regionally extensive lower to middle Jurassic Island intrusions invade the lower sequence. The intrusions are granodioritic to quartz dioritic in composition.

Finally, late Cretaceous Nanaimo Group rocks unconformably overlie lower units as a series of five tranagressive - regressive terrigenous sedimentary cycles.

Deformation is confined to at least two periods. A pre-Triassic episode has severely folded the Sicker Group as noted by the Sicker-Vancouver Group unconformity. A second post-Cretaceous episode later folded and faulted the Nanaimo and older units. The northwest orientation of the Cowichan-Horne Lake uplift is reflected in the rock fabric and structure. In the vicinity of the property, the regionally extensive northwest trending Cowichan Lake fault which forms the southern extent of the Cowichan-Horne Lake uplift has been interpreted by 1984 government lithoprobe work to be an active north dipping (65o) structure.

PROPERTY GEOLOGY

The Striker Property is underlain by mid-Paleozoic Sicker Group rocks, intruded by Jurassic Island granodiorites and locally overlain by Cretacous Nanaimo sediments, all reflecting a dominant northwest structural trend.

Within the Nitinat Formation of the Sicker Group, basaltic dominate the basal succession giving rise to interbedded flows and agglomeratic lapilli tuff (ALT) near its upper contact. The contact between the massive basaltic flows and (ALT) and the overlying pyroclastics is gradational but locally abrupt, possibly unconformable.

The Myra Formation consists of a lower unit of interbedded fine-grained andesitic lithic crystal tuffs and cherty tuffs with local coarse lapilli beds and local dacitic tuff units. Stratigraphically above the andesitic pyroclastic unit lies a cherty ash tuff package hosting isolated rhodonite and jasper pods across the length of the property. Their stratigraphic correlation is impossible due to their podiform nature and the severe folding and faulting across the property.

The overlying sediment-sill unit is exposed only on map sheets 3 and 4 grading upwards from the cherty ash tuff with increasing frequency of silty interbeds. Although diorite sills and dykes are present throughout the succession, a noteable increase of diorite sills or flows accompany this unit.

On map sheet 3, Buttle Lake limestone outcrops. The gritty crinoidal limestone is associated with laminated and interbedded siltstone and very fine-grained sandstone rarely cut by mafic dykes. Faulting in the area restricts stratigraphic relationships.

Jurassic Island intrusions occur as two NW trending sinuous granodioritic to quartz diorite bodies periodically buried. Cross-cutting relationships can also be observed between the quartz-diorite and granodiorite. Quartz-diorite bodies appearing similar by field inspection in composition and texture to the sills in the Sicker "sediment-sill" unit also intrude Sicker rocks. Without thin-section and/or very close examination these two dioritic rocks cannot be distinguished from each other.

Two bodies of Cretaceous Nanaimo sediments outcrop on map sheets 2, 3 and 4. Exposures of the Comox and Haslam Formations occur as two gently folded unconformable outliers on Sicker rocks within the Meade Creek valley.

DESCRIPTION OF ROCK UNITS

1: Basaltic Flows: Massive locally vesicular medium to dark grey-green weathering dark grey-green hornblende-feldspar porphyritic rock exhibits an aphanitic dark grey-green groundmass of the same minerals. Hornblende crystals fine to coarse-grained compose up to 30% of the rock. Feldspar crystals are typically finer grained and fewer. The rocks are variably altered to epidote, chlorite, calcite and sericite, where they also fill 1-3 mm amygdules present to 15%. Pillows are rare, rimmed by epidote and jasper and 0.6-1.3 metres in diameter.

2: Basaltic Agglomeratic Lopilli Tuff and Volcanic Breccia: Massive medium to dark olive green weathering, dark grey-green rock is composed of 10-80% clasts or bombs in a fine-grained recrystallized tuff matrix. Fragments consist of 10-50% coarse to medium-grained hornblende crystals 1-3 mm and up to 30% finer grained feldspar crystals in a vesicular or amygdaloidal fine-grained recrystalized dark green vaguely clastic matrix. The fragments are vaguely subrounded to stretched ranging from 1-40 cm in diameter. The matrix supporting the clasts appears texturally and compositional similar to the matrix within the fragments. The dominant alteration mineral is hornblende but amygdules less than 5 mm are filled with chlorite, calcite, epidote, and quartz and are present in varying degrees within the rock. Streaks of epidote and calcite are common. Isolated jasper lenses may be associated with the rocks. Hematitic alteration may be locally concentrated in the matrix. Chemical analyses of the agglomerates and volcanic breccias reveal a SiO_2 content of 48-52%.

3a: Andesitic Lithic Crystal Tuff: Medium to dark grey-green weathering medium to dark grey-green massive to thin-bedded tuffs are typically fine-grained. The tuffs blend between lithic and crystal tuffs. Plagioclase crystals typically dominate over hornblende crystals with a minor component of volcanic rock fragments. The pyroclastics, partially size-sorted, are composed of up to 65% subhedral whole or broken plagioclase crystals, up to 50% hornblende crystals or up to 85% subangular to subrounded clasts of plagioclase hornblende porphyritic rock. Grain size ranges from very fine to coarse-grained. Plagioclase crystals may be fresh, with hornblende inclusions or variably altered to sericite. Hornblende crystals may show some chloritization. The groundmass to these clasts is composed of a very fine-grained version of the framework to aphanitic. Alteration minerals present include hornblende, chlorite, epidote, sericite and calcite. Hard tuffs are frequently the result of higher proportions of epidote. Chemical analyses reveal a range of silica compositions from 43 to 67% but average 54%.

This unit is frequently interbedded with cherty ash tuff (4b). The silica appears to be bed-restricted, consequently of probable syngenetic origin.

3b: Andesitic Lapilli Tuff: This unit differs from the above description in grain size only. Lapilli clasts from 3 mm - 6.4 cm are composed of andesitic to basaltic porphyritic rock. Percentage of lapilli range from rare to 95% in a finer grained tuff matrix.

3c: Felsic Crystal Tuff: A buff to light grey weathering, medium grey to pinkish brown massive to thin bedded faintly laminated pyroclastic is fine to medium-grained. Generally, the hornblende crystal component is absent. Ten to 70% plagioclase crystals subhedral to broken or subrounded typically dominate with a minor component of volcanic rock fragments. In some samples plagioclase crystals may exhibit a bimodal distribution of fresh and sericite hornblende altered crystals. Volcanic rock fragments where present are subangular to subrounded and composed of plagioclase-hornblende porphyry. Quartz clasts anhedral to broken may be present to 10%. K-spar may be present is small proportions. Groundmass is composed of very fine-grained to aphanitic quartz and plagioclase, altered variably to sericite and quartz. Calcite may be present in the matrix and rarely as infillings. Chemical analyses reveal silica composition from 64 to 74%.

4: Cherty Rocks
4a: Chert and 4b Cherty Ash Tuff: White, buff or light green-grey weathering grey-green, light green and grey chert and cherty ash tuff form an extensive unit on the property. True cherts are rare but rather grade between a true chert and a cherty feldspathic ash tuff. The rocks are non-laminated to finely laminated, thin to thick bedded or colour banded from 1cm to 1-2 metres. Under thin-section the unit is composed of microcrystalline quartz with rare to 70% microcrystalline quartz spheres 0.5 mm resembling radiolarian tests. Light grey-green laminations comprise varying percentages and sizes of angular feldspar crystal fragments size sorted in the microcrystalline quartz. Darker green laminations consist of epidote-chlorite specks.

4d: Cherty Argillite - 4d: Black Chert: These rocks are Black, thin to very thinly bedded with varying percentages of mud and silica components. Locally the argillites are tuffaceous with up to 30% broken feldspar crystals and minor components of quartz and volcanic rock fragments. The unit is weakly to strongly graphitic. The graphitic smears or sections produce positive conductive responses.

4e: Maroon Cherty Ash Tuff: This unit is compositionally similar to 4b, however, the distinct maroon weathering makes it a mappable unit. Thin beds and laminations vary on weathered surface from medium brown-red-purple at its base, fading upwards to interbedded faint maroon and green beds. On fresh surfaces, the intense colours appear lighter. Towards the top, the faint maroon beds appear green on fresh surface. The unit may have lenses or beds of laminated or massive rhodonite, spessartite, jasper and/or magnetite at its base. Under thin-section the rock exhibits a hematitic staining of microcrystalline quartz and ash with rare quartz spheres. The hematite alteration concentrates into laminations with associated magnetite.

(5?) Slump Breccia, Reworked Tuff: Locally, stratigraphically above or within the cherty ash tuff unit is a succession of fine to medium-grained andesitic crystal tuffs, lapillis and slump breccias. These units are compositionally similar to 3 ab but with more reworking and sorting of subrounded to subangular clasts. At this point, they will not be dealt with as a separate lithologic unit, as they represent degrees of reworking.

6a: Argillite, 6b: Siltstone, 6c: Sandstone, 6d: Conglomerate: These units are interbedded and interlaminated with each other, equivalent to the "sediment-sill" unit. Argillites are black. Siltstones are black to medium grey, thinly parallel to wavy laminated and very thinly bedded. Sedimentary features such as load casts and flaming may be present. Sandstones are medium grey and very fine-grained composed of subangular to subrounded plagioclase and hornblende crystals and rare volcanic rock clasts. Pebble conglomerates are locally developed with similar clast composition.

7: Limestone: Limestone is medium grey thin to thick bedded, crinoidal, and gritty. Crinoids range from 0.3 to 1 cm in diameter. Grit is composed of dark green-grey andesitic to basaltic fine-grained pyroclastics. Beds are distinct by fragment size and percentage. Rare beds have up to 60% volcanic rock debris 1 cm in diameter. Diorite dykes may cross-cut the limestone.

8a: Gabbro, 8b: Diorite Dykes, Sills and Bodies: Medium grey-green weathering dark grey-green fine to medium-grained gabbro or diorite occurs as sills, dykes, plugs and possibly flows. They intrude all Sicker Group lithologies. The unit is composed of subhedral crystals of 50% hornblende and 50% plagioclase and trace quartz. In thin-section, a fine-grained intergrowth of feldspar and hornblende is observed. Hornblende crystals are variably altered to chlorite. Plagioclase crystals are variably altered to sericite. Typically the unit is non-magnetic to rarely slightly magnetic.

9: Feldspar Hornblende Prophyry and Feldspar Porphyry Dykes: These dykes less than 1 metre thick have cross-cutting relationships with diorite or gabbro sills. The dykes contain up to 25% white 1-5 mm anhedral to blocky feldspar phenocrysts and 0-5% black needles to blocks 3 mm long of hornblende phenocrysts set in a brown-grey aphanitic to microcrystalline groundmass equivalent in composition. Plagioclase crystals are variably altered to sericite. Epidote and chlorite are present in the groundmass. These dykes are compositionally similar to the diorite sills of 8ab and probably originate from the same source.

10: Granodiorite Bodies and Dykes: Medium grey weathering white massive medium-grained granodiorite outcrops as bodies and dykes. The bodies consist of subhedral to euhedral crystals of 60% plagioclase, 20% quartz, 10% K-spar and 10% biotite and hornblende and accessory magnetite, apatite, sphene and zircon. Although K-spar can be observed in thin-section, it is frequently difficult to see in hand specimen. The K-spar crystals enclose plagioclase and less commonly hornblende and biotite. Compositions are typically uniform but may vary to a quartz diorite with up to 15% quartz. The diagnostic feature separating the quartz dioritic phase from 8ab is the presence of quartz seen only in thin-section. Alteration minerals include minor sericite and chlorite. Streaks of epidote near the margins of the intrusive are common.

11: Cretaceous Sediments: A basal boulder conglomerate to poorly bedded coarse-grained brown sandstone comprises the Comox Formation. Rounded to subrounded clasts are composed of local rock units i.e. basaltic agglomerate, tuff, chert and granodiorite. This unit grades upward rapidly into poorly bedded sandstone with minor pebble bands through to the dominant black friable shale with rusty weathering and concretions of the Haslam Formation.

AREAL GEOLOGY AND GEOCHEMISTRY

Anomaly #1 Area - Map Sheet 1 and 2 Geology

Much of this area is underlain by a mixture of cherty tuffs, cherty argillites and andesite tuffs. Lesser amounts of basaltic to andesitic volcanics also occur.

The basalt/andesite is in fault contact with other rock at the northern and southern extremes of the mapped area. The northern rock is chlorite-epidote altered dark green and contains 10-25% hornblende phenocrysts up to 1 cm long. Although some zones are amygdaloidal (calcite), most of the rock is pyroclastic and ranges from coarse-grained tuffs to agglomerates with bombs up to 20 cm in diameter. Beds, 5-20 meters thick, of fine grained andesitic tuff occur as interbeds. The southern basaltic flow rock, containing calcite and epidote amygdules,is likely a basaltic flow and is variably altered to chlorite, epidote and hematite.

The basaltics here are juxtaposed to fine medium-grained, andesitic tuffs locally with cherty tuff clasts up to 2 cm in diameter. However, the andesitic tuff is typically dark grey, fine to medium-grained, and bedded or interbedded with finer grained and cherty tuff and occasionally argillaceous rock. Locally present is 30 meter thick felsic tuff-lapilli with a matrix containing up to 35% andesine, 10% orthoclase and 25% quartz and subrounded to subangular clasts, up to 6 cm in diameter, that are equally felsic.

The cherty tuffs range from green to maroon and from massive to finely laminated. They tend to weather to a distinctive white colour and generally contain 10-20% fine volcanic ash. Thin beds (<5 cm) of light green andesitic tuff and light beige chert commonly occur. A maroon weathering cherty ash tuff hosts thin basal jasper-magnetite and thin to moderately thick rhodonite-spessartite beds well exposed on the Anomaly 1 grid.

The cherty argillites are black to dark grey and are highly limonitic. They tend to be massive, locally graphitic and rarely exhibit good bedding.

The most common and substantial intrusives found in the area are diorite dykes and plugs. The rock is usually dark green and medium-grained. Gabbro granodiorite, and feldspar porphyry dykes also occur. A siliceous light beige felsite aplitic dyke is deceptively similar to the light beige tuff noted above.

The strata strikes from southeast to south and dip from 30 to 60 degrees southwest. Broad open folds plunge to the southwest and have axial planes that strike northeast. Minor open folds plunge to the west and have similarly striking axial planes. Local small isoclinal folds are not uncommon within the cherty tuff units. Substantial steeply dipping faults cut the area and typically strike to the north or east.

Anomaly #1 Area - Map Sheet 1 & 2 - Mineralization/Geochemistry

(Sample preparation and raw geochemistry data are present in Appendix A)

1. Anomalous Cu-Ag-Au fault structure: Rock chip sample 86SRTAT-70 from fault related foliated lapilli tuff (on the lower north slopes of Hill 60) contains 2201 ppm Cu, 3.8 ppm Ag, and 24 ppb Au. The clay and limonite altered rock contains malachite, and is weakly silicified. Other samples taken from other points in the structure contain 139 ppm Cu (86SRTAT-68) and 117 ppm Zn (86SRTAT-66). A sample taken from a nearby diorite intrusion contains 148 ppm Cu (86SRTAT-60) in a limonitic, fracture-related zone of alteration.

2. Argillite-cherty argillite: Several samples taken from argillites and cherty argillites in the Hill 60 area are anomalous in some metals. These rocks generally contain 15-20% pyrite and pyrrhotite. A sample (86SRTAS-36) taken from a shear in the cherty argillites is anomalous in Mo-16 ppm, Pb-53 ppm, Zn - 453 ppm, As-460 ppm, and Au-28 ppb. Others in the area area anomalous in Mo-7 & 19 ppm (86 SRTAA-48), and Zn-137 ppm (86SRTAA-35).

3. Anomalous Cu in possible fault structure: Two rock chip samples (86 SRWAG-7a, 86 SRTAX-80) anomalous in Cu - 172 and 123 ppm were taken from road outcrops approximately 200 m east of the Anomaly 1 grid. These were from a zone of local limonite alteration and pyrite

mineralization (to 3%) in andesite/basalt tuff and fine-grained cherty tuff, respectively, that may be related to a possible extension of the fault noted in #1 above.

4. Scattered alterations zones: Other rock-chips taken from outcrops in the Anomaly 1 area (during the 1986 field season) that contain anomalous metal amounts are 86SRWAC-54 and 86SRWAT-50 in Zn - 112 and 121 ppm, 86SRWAS-77 in As - 101 ppm, and 86SRWAC-83 in Mo-17 ppm. Samples 86SRWAT-50 and 86SRWAS-77 are from the gully that cuts between Hill 60 and the Anomaly 1 ridge. The former was taken from a pyritic (5%) tuffaceous subcrop, the latter from a narrow (up to 2 m) joint related zone of highly leached, siliceous and limonitic hornblende crystal tuff. Sample 86SRWAC-54 is from a small outcrop of highly fractured and limonitic cherty tuff approximately 50 m from the southeast corner of the Anomaly 1 grid. 86SRWAC-83 is from similar rock approximately 600 m south of 86SRWAC-54.

5. a) Silt and Soil Sampling (1986): Several silt (86SRLA-105-111) samples, taken from the northeast flowing creek that cuts between the Anomaly 1 ridge and Hill 60, and soil (86-SRSA-1, 5, 6, 12) samples taken from a road paralleling the creek on the east slope of the Anomaly 1 ridge are anomalous in Zn-113 to 128 ppm (silts) and 119 to 129 ppm (soils). The soil values are consistently higher than values provided by soil samples taken from the Anomaly 1 grid immediately to the west. Samples 86SRSA-6, 8, 9 are also anomalous in Ag 0.6 to 0.8 ppm.

041?

b) The 1986 northwestern Anomaly #1 grid extension located three soils aligned but discontinuous in Au from 150 to 235 ppb from andesite tuffs.

Plots of the soil results are located in Appendix B. Raw data are presented in Appendix A.

Candy Area - Map Sheet 2 - Geology

The map sheet is underlain by a succession of Sicker basaltic flows, andesitic volcaniclastics and chemical sediments. The sequence is intruded by an extensive northwest trending granodiorite body in the southwest corner of the map sheet and two northwest trending diorite plug dyke in the north central area. In the Meade Creek valley, an east-west trending outlier of Cretaceous Nanaimo sediments covers the Sicker succession.

Attitudes in the southern area are variable, outlining two broad northwest trending folds. In the north bedding typically dipping 30-60° southwest, however, local flexures are also observed. Cretaceous sediments are consistently north-northeast dipping at 45°. There is evidence from one exposure that the northern contact of the Cretaceous sediments is a east trending reverse fault dipping 35° north.

The granodiorite body in several major northwest and one northeast trending structures dissect the map sheet.

Candy Area - Map Sheet 2 - Mineralization/Geochemistry

1. Silting: In 1986 a heavy mineral separate silting program returned 3 heavy samples (86-SNHB-119, 121, and 86SRHB-53) with their - 20 to 200 grain size anomalous in Au (560, 970 and 380 ppb). Ten samples with -200 mesh returned anomalous Au from 40 to 280 ppb. A tributary of Meade Creek draining Anomaly #1 yielded 5 regular silts with 22 to 255 ppb Au. All these samples are scattered, and rarely clustered.

2. Soiling on Candy Grid: A Cu zone 200 m X 100 m centered on L429E X 318N has anomalous values ranging from 145 to 374 ppm underlain by interbedded andesitic tuffs and cherty tuffs.

   A weakly anomalous Au zone is centered on L424E X 317N with values from 42 to 150 ppb. This zone overlies a major structure is probably the downhill expression of this structure.

   Plots of the soil results are located in Appendix B. The raw data are presented in Appendix A.

Mofo Area - Map Sheet 3 - Geology

The succession of Sicker agglomerates, flows, pyroclastics and sediments extends from map 2 northwest across map sheet 3. Sicker rocks are overlain in the south by an east-west trending body of Cretaceous sediments. Numerous northwest trending structures dissect the map into numerous different stratigraphic blocks. Rare north and northeast trending structures are also present.

Mapping has extended into the northeast, northwest and south portions of map sheet 3.

In the northwest part of the map lies a distinct package of Sicker sedimentary rocks. The wedge-shaped area bounded by faults appears to be down dropped. The wedge is composed entirely of Buttle Lake Formation represented by interbedded siltstone, sandstone and minor limestone. The medium to thick bedded gritty crinoidal limestone outcrops as numerous intervals 20 to 70 meters thick locally offset by NW trending faults. The sequence is cut by rare fine-medium-grained diorite dykes 1.5 meters thick and several highly magnetic fine-grained hornblende needle porphyritic dykes. North of this area beyond the slice of basaltic material lies another area of Buttle Lake Formation. This area consists of interbedded siltstone and cherty tuff and minor sandstone and conglomerate. The siltstone is dark grey and well laminated. Cherty tuff medium to dark grey may contain minor light grey fine-grained sandstone beds, lenses or wisps.

Cobble/pebble conglomerate is present with well rounded to minor subangular clasts of volcanics, pyroclastics and cherty lithologies all in a groundmass of chlorite-quartz. This succession has been folded into a northwest trending syncline.

In the northeast corner of the map sheet lies a succession of basaltic and andesitic pyroclastics and flows. The massive basaltic pyroclastics consists of a mix of agglomeratic lapilli tuffs, lapilli tuffs and fine-grained tuffs. Clasts ranging to 10 cm are composed of hornblende porphyry, hornblende-feldspar porphyry and feldspar porphyry. Associated with the basaltic material is massive fine-grained feldspar crystal rich andesitic tuff. Intruding this area is a medium-grained locally magnetic diorite plug.

In the southeast portion of the map sheet basaltic to andesitic flows predominate, grading westward to an area of mixed basaltic flows and tuffs grading further westward into mixed fine-grained andesitic tuffs, basaltic agglomeratic lapilli tuff and minor basaltic flows and finally into an area of dominantly fine to very fine-grained andesitic tuff with rare cherty tuff beds in the southwest corner of the map sheet.

Intruding this succession are two granodiorite plugs which are probably connected at depth along a northwest trend. Here the succession is folded into a series of gentle synclines and anticlines-trending northwest.

Good exposures of the basal sandstone-conglomerate Comox Formation and the overlying Haslam shale of the Nanaimo Group are present. The southern contact was observed in outcrop to be unconformable at 40°. The northern contact is observed in one locality to be fault related.

Mofo Area - Map Sheet 3 Mineralization/Geochemistry

1a. Diorite related: Northeast of the Mofo grid lies a diorite plug. Closely associated with this plug are two thin NW structures 86SCWCS-441 and 86-SCTCS-452 contain Au values of 3950 and 1430 ppb.

1b. Granodiorite Related: A thin pyrite vein (86SCTCX-394) cutting andesite tuffs proximal to the granodiorite body yields values in Cu (786 ppm), Ag (18-7 ppm) As (220 ppm) and Zn 250 ppm).

2. Felsic tuff-lapilli: This unit has trace disseminated pyrite and rarely clots of pyrite with anomalous Cu to 238 ppm, (86 SCTCX 338, 344A).

3. Cherty Tuff: In the center of the map lies a massive cherty tuff bed (86SCWCC 525) with disseminated pyrite to 1% with anomalous values in Pb (390 ppm), Zn (286 ppm), Ag (1.8 ppb), Cu (139 ppm) and Ag (148 ppm). There is no apparent explanation for these highs.

In the southern part of the property lies a cherty tuff (86SCWCC 422) with 2% disseminated pyrite hosted in the basaltic unit. This rock contains Cu to 851 ppm. Its proximity to the extensive granodiorite intrusive suggests its intrusive-related source.

4. Soil Geochemistry: The 1986 western soiling grid extension displays an anomalous zone of Zn +/- As, Ag, Au over a 400 X 400 m area. Zn values range up to 293 ppm, As to 317 ppm, Ag to 1.0 pm and Au 195 ppb. The area is underlain by Buttle Lake sediments and limestones which show no signs of scarnification. The likely source of the metals is an anomalous structure immediately north of the zone which has been spread by glacial smear.

The plots of the soil results are located in Appendix B. Raw data are presented in Appendix A.

Sherk Lake Area - Map Sheet 4 - Geology

The bulk of the map sheet comprises massive basaltic flows and minor agglomerates overlain by andesitic and locally dacitic to rhyodacitic pyroclastics and cherty ash tuff and siltstone. Current mapping extended and infilled in the northern half of the map sheet.

The Sherk Lake grid in the central part of the map is underlain by a thick volcaniclastic package basaltic to rhyodacitic in composition passing vertically to chemical and clastic sediments.

In the NW of the grid area the volcaniclastic package consists of a basaltic flow +/- pyroclastic base, raising to a thick andesitic tuff unit passing into a unit of dacitic tuff thick before passing upwards into clastic and chemical sediments. In the NW direction outcrop is limited. From the central part of the grid towards the SE, there is a marked facies change with the additions of several components to the stratigraphy described above. The basaltic base is present overlain by a thinned andesitic tuff unit. Overlying the andesite is a unit of cherty tuff with a minor interdigitating dacite component. Overlying this unit is a thin unit of andesitic tuff. Overlying this andesite tuff unit is the massive/interbedded dacite tuff which continues laterally across the entire grid but with a marked thinning to the SE.

Overlying the dacitic package is cherty to graphic argillite which appears to locally thicken stratigraphically and/or structurally. The argillite passes upward into a thick monotonous cherty tuff package with the exception of a discontinuous exhalative unit approximately 50 m stratigraphically above the argillite.

The basaltic base is composed of massive basaltic pyroclasts with minor flow material. Grain size is variable from fine grained to agglomerate lapilli tuff. Pyrite is generally absent in the unit. Only one sample at L133+75E contains 196 ppm Cu.

The andesite unit, are composed of massive fine to very fine-grained pyroclastics and may be distinguished from the basaltic unit by a lighter green color and absence of agglomerate lapilli tuff. Locally epidote-rich rock is present. Pyrite is absent except around L132+50 where it is up to 1% with trace chalcopyrite. On L139+50 the thinned andesitic tuff unit is strongly altered with epidote-calcite-chlorite with pyrite trace to 2% disseminated to slightly fracture controlled and mildly sheared with Cu 863 ppm, Ag 24 ppm. Further northwest sample 86SCWDT-54 consists of a very fine-grained andesitic tuff contains anomalous Zn to 108 ppm. In the overlying unit at L137+50 (86SCWDT-70) there is more fracture pyrite in chert with 156 Cu and 225 Zn.

Within the facies unit of cherty tuff +/- dacite beds, dacitic beds .3-3 meters thick make up <10% of the rock, the dacite beds appear as in the massive zone to be light to medium grey with pyrite content 0-2% and SiO_2

component dacitic to rhyolitic. A slight schistosity is developed in several of these beds. The hosting cherty tuff is monotonously medium light green-grey and thin bedded. A thin fine-grained andesitic bed (86SCWDT-65) within the upper portion of the unit contains 141 ppm Zn.

The overlying dacitic tuff unit is locally gradational with the andesite. The unit is composed of massive light to medium grey dacitic tuff beds fine to very fine-grained. The crystal lithic tuff is composed of fragments (15-45%) in a fine ash matrix. Rare cherty tuff pebbles to bands < 2 cm in diameter occurs in at least 3 or 4 beds throughout the unit. Cherty tuff beds may also be present as well as argillite beds. Graded bedding may be present in the lower interbedded part; rare coarse laminations are noted in the more massive beds. Alteration is quite variable with a distinct zone of silica-sericite between L128 and L134 within which are stronger sericite-silica to stronger silica + serite.

Sulphide distribution is variable within the unit from 0 to 10% disseminated pyrite +/- pyrrhotite. The higher concentration of sulphides lies between L128E and L37E. Pyrrhotite overlies the higher concentration of pyrite. Ba distribution is anomalous in the individual dacite beds but restricted in lateral extent from L132+50 to L137+50E with anomalous values of >2000 to 4667 ppm. Schistosity is rarely weakly developed but in two localities weak to moderate. The argillite interbeds may contain up to 3% disseminated pyrite and may be silicic, carbonaceous and rarely graphitic. Anomalous Zn of 101 ppm is also found at L134+50 (86SCWDA-100).

The overlying black argillite invariably silicic and pyritic is found to be locally thickened either stratigraphically or structurally particularly at L128+50 and L132+50. This unit may be particularly graphitic locally, especially at L128+50. Pyrite is predominantly disseminated but may occur as thin 1-2 mm lenses in section, flattened nodules in plan. Excessive massive pyrite of 3 cm thick was found on L129E.

Overlying the argillite is the commencement of the cherty tuff unit a monotonous sequence of medium to light grey-green cherty to cherty tuffs. One distinguishing zone within the unit is an exhalative horizon composed of maroon cherty tuff +/- rhodonite/jasper. The maroon cherty tuff unit is composed of varying intensely maroon colour bands intensifying at its base. The maroon cherty tuff itself is deficient in sulphide, however, the rhodonite and jasper are not. The rhodonite contains anomalous values in Mo and Au to 195 ppb and 3% barium. The jasper variably contains anomalous values in Cu, Au, Ag, and Mo (369 Cu, 370 Au, 0.7 Ag, 9 Mo).

In the northeast corner of the map sheet immediately off the property, a sequence of cherty argillite, massive non-laminated dark purple-brown and thin bedded medium green laminated cherty ash tuff and medium grey very fine-grained andesitic lithic crystal tuff is invaded by massive medium-grained diorite sills, in turn intruded by feldspar porphyry dykes and medium-grained granodiorite.

The rocks in the map area have been folded into a major northwest plunging syncline. The broad syncline contains isoclinal folding thickening the cherty ash tuff package. Fold axes from these minor folds indicate a consistent northwest plunging axis (15/300). Two major northwest trending faults straddling the broad syncline.

Sherk Lake Soiling Grid: The 1986 souteastern grid extension displays a zone 500 m X 700 m of anomalous Cu to 562 ppm. The topographic depression that this area outlines is evident. Au values are common but scattered to as high as 875 ppb. Zn and Mo outline the trend of argillites with values to 259 ppm and 29 ppm, respectively. One locality of extremely high Zn in soils from 30346 to > 100000 ppm Zn (L130 + 50E X 22 50N) was trenched by backhole exposing 6X7 of cherty ash tuff withough any apparent Zn mineralization.

Plots of the soil results are located in Appendix B. The raw data are presented in Appendix A.

<u>Cottonwood Area - Map Sheets 6-7 - Geology</u>

The area has only received reconnaissance mapping and sampling. Outcrop is rare except for near continuous exposures in several creeks and road cuts.

In the northern part of Cottonwood creek, a section of Sicker rocks lies between two major northwest trending bodies of Jurassic granodiorite. South of the southern intrusive is a thick package of massive basaltic agglomerates. Within the laminated cherty ash tuffs, bedding attitudes are erratic from northwest plunging isoclinal folding (15/300). The massive nature of the rocks in the bulk of the area limit bedding attitudes.

Current mapping has extended into the uppermost slopes east of Cottonwood where a thick succession of very-fine grained to lapilli basaltic to felsic tuff +/- cherty tuff is exposed (referred to as West Sherk area on Anomaly 3). This area is underlain by a vertically to locally southwest dipping succession of interbedded very fine-grained and lesser fine-grained andesitic tuff and cherty tuff, minor felsic tuff to lapilli and rare andesitic lapilli, and cherty argillite to black chert. Locally these rocks exhibit streaks and fracture surfaces of chlorite or degrees of silicification. The andesitic lapilli tuff consist of heterolithic clasts of porphyritic basalt and andesite feldspar-quartz porphyry and cherty tuff forming 20-60% of the rock 0.3 to 3 cm +/- 10 cm in diameter. The felsic lapilli tuff is dominantly a medium to coarse-grained feldspar (30-60%) quartz eye (1-5%) crystal tuff with <15% clasts to 1 cm porphyritic andesite, cherty tuff and feldspar crystals. The groundmass consists of very fine-grained ash moderate to strongly altered to quartz-sericite-clay-epidote +/- chlorite. Feldspar crystals are euhedral to subhedral and moderately to strongly altered. The cherty tuffs in the succession are locally laminated and in at least four localities exhibit a mottled aspect with up to 30% irregular white clots 0.5-4 cm in diameter. In this area sulphide content is typically <1% pyrite with minor fracture pyrite and rare specks of chalcopyrite found in all rock types. Several thin sills and dykes are present in the succession. The area is strattled by a diorite plug to the north and a granodiorite plug to the south both of which have not been entirely delineated but appear limited.

Immediately south of this area the dominantly very fine-grained tuff and minor interbedded succession persists to its southern contact with a basaltic unit. Near the contact the rocks grade to a dominantly fine-grained dacitic to andesitic tuffs, andesitic flows and minor interbeds of cherty tuff and argillite.

Cottonwood Area - Map Sheets 6 and 7 - Mineralization/Geochemistry

West Sherk: In this area the disseminated sulphide content is low typically <1% pyrite present in felsic to andesitic tuffs and lapillis. Also present are isolated localities with a spech of chalcopyrite and minor fracture pyrite. The argillites present are mildly pyritic. Minor soiling in the area retruned only one (86SCSG-12) anomalous value in Zn of 210 ppm.

The creek draining this area has been only partially silted. The silting has yielded one anomalous value in Zn 117 ppm. However, this locality is immediately downstream of the granodiorite plug. Towards the southern contact of the pyrocalstics with the basaltic unit the dacitic tuffs contain disseminated pyrite and pyrrhotite to 5% with two of four rock chips anomalous in Cu to 191 ppm +/- Pb to 96 ppm, Zn to 138 ppm and Ag to 0.8 ppm.

McKay/Wardroper Creeks Area - Map Sheets 8, 9 - Geology

This area is underlain by a lithologic succession that ranges from basaltic agglomerates and flows, through lithic and crystal andesitic tuffs, to a mix of cherty tuffs, argillites and occasional limey looking sediments. The dominant feature of the area is a substantial granodiorite dyke.

The andesitic agglomerates are medium to dark green and contain bombs up to 30 cm in diameter. Both tuffaceous matrix and bombs include hornblende/pyroxene phenocrysts usually up to 1 cm long (rarely up to 4 cm). Flows a few 10's of meters thick, interspersed amongst the agglomerates are vesicular and contain calcite, quartz and epidote amygdules.

Included amongst the cherty tuffs west of McKay Creek are interbeds of fine to medium grained, dark grey sandstones. Graded bedding indicates that the strata is upright. Beds close to the granodiorite dyke contains up to 15% secondary biotite. Locally, black pyritic (generally at least 5% and up to 15%), highly limonitic and graphitic cherty argillite units may be present. The strata strike southeast and dip from 40 to 60 degrees to the southwest. There is little evidence of significant regional folding in the area, however, northeast and southwest plunging folds occur locally on the westerly ridge. These perhaps are a function of nearby faulting or the intruding granodiorite. Major faults tend to strike east and dip steeply.

<u>McKay/Wardroper Creeks Area - Map Sheets 8 and 9 - Mineralization Geochemistry</u>

1. Fault/granodiorite generated silicification zone: this is a pod of

intensely altered cherty tuff and cherty argillite at the periphery of the granodiorite dyke. An adjacent zone of gouge is indicative of significant faults immediate to the alteration. The alteration consists of intense silicification and limonite staining, with minor zones that include secondary muscovite and boxwork. Much of the silicified rock is free of sulphides, however, local zones contain up to 10% disseminated pyrite. Six rock-chip samples (86SRTHS-27, 28, 86SRTHC-29, 86SRTHA-31, 86SRTHX-32) gathered over an area of approximately 200 $meters^2$ contain a variety of anomalous metal combinations and amounts (up to 27 ppm Ag, 208 ppm As, 60 ppb Au).

2. Felsite related: A 5 meter thick felsic dyke occurs on the McKay/Wardroper ridge. Quartz/epidote alteration in conjunction with pyrite mineralization (5% disseminated and stringers) occurs at the contact with andesitic country rock. A rock chip sample taken of the andesite contains 358 ppm Cu and 27 ppb Au.

3. Sulphide nodules in Andesitic tuffs: An andesitic tuff bed west of McKay Creek contains occasional pyritic nodules up to 2 cm in diameter. A rock chip sample (86SRTIX-41) taken of a few of those nodules contains 145 ppm Cu.

4. Possibly fault related: A distinct zone of alteration approximately 5 meters thick within a cherty tuff package west of McKay Creek is highly silicified and may be brecciated. The rock is clay altered and contains malachite near the border with the relatively unaltered

cherty tuffs. A rock chip sample (86SRTIX-98) taken of the rock contains 685 Cu and 0.9 ppm Ag.

5. Argillites and Cherty Argillites: These are typically pyritic (5-15%) and highly limonitic. Rock chip samples taken from these beds (86SRIMA-25, 31, 99, and 86SRTIA-33) tend to be anomalous in one or more metals: up to 37 ppm Mo, 210 ppm Zn, 0.9 ppm Ag.

6. Silting: Three creeks draining the southern extension of the ridge east of Wardroper Creek have produced samples anomalous in Au. Nine of the sixteen samples taken from these creek contain Au values ranging from 20-325 ppb. Samples from the most southerly of these three creeks also contain anomalous amounts of Zn (5 samples from 100-273 ppm). A single mapping traverse has been conducted along this ridge which is apparently composed primarily of granodiorite.

A creek draining into Wardroper Creek from the west produced a series of 4 samples anomalous in Au: 55-125 ppb. They also provide spots values for Zn 115 ppm and Ag 0.8 ppm. The creek occurs near the southerly margin of the granodiorite dyke but like above, has not been prospected.

Samples taken from creeks draining from the east into McKay Creek contain rare spot values for Cu 132 ppm, Zn 157 ppm and Au up to 43 ppb. The anomalous values tend to be at the upper reaches of their respective creeks and are apparently from areas underlain either by granodiorite or cherty tuffs (tuffs?) immediately north of the dyke.

Marguerite Area - Map Sheet 10 & 13 - Geology

The Marguerite Creek area has received only reconnaissance type mapping. Outcrop is locally near continuous in the major creeks and some road cuts. The area is underlain by a complexly interlayered succession of basaltic to andesitic volcaniclastic rocks and rare intervals of pillowed basalt of the Sicker Group. The coarser clastics comprise broken pillow breccia and agglomerates. This succession is prevalent on the northeastern part of map sheet 10 and the southern part of map sheet 13. More common elsewhere on map sheet 10 are gradational intervals to major units of agglomeratic lapilli tuff to lapilli tuff to tuffaceous lapilli within intervals of or gradational into massive andesitic lithic tuff and cherty ash tuff. In the northwest, numerous granodiorite dykes cut the succession and are likely

related at depth to a substantial granodiorite intrusion that outcrops 2.5 kilometers to the northeast.

The northeast section of the map sheet is underlain by a stratigraphic succession that comprises agglomerates, andesite tuffs, light green andesite/dacitic tuffs with up to 5% quartz eyes that are interbedded with less felsic lapilli (up to 2 cm in diameter) tuffs, bedded dark grey tuffs and cherty tuffs. This succession dips gently towards the northeast and the granodiorite intrusion that is approximately 1 km from the mapped area.

The inferred distribution of the units suggest a broadly synclinally folded succession at the southwestern part of the map plunging north-northeasterly. The succession appears to plunge northwesterly in the middle of the map and appears to become anticlinal towards the westerly and northeasterly portions of the map. Unexplained is the overlying basaltic and agglomeratic succession to the northeast.

Major northwest trending faults offset the succession in the central part of the map. Graded bedding observed locally in widely scattered areas suggest that the successin is upright. The foliation is strongest in the south with fine-grained tuffs in a zone independent from the broad syncline.

Marguerite Area - Map Sheet 10 & 13 - Mineralization/Geochemistry

1. Granodiorite related: The bulk of the geochemically anomalous sites occur as quartz-pyrite-chalcopyrite veins proximal to granodiorite dykes. In the northern part of map 10 and the southern part of map 13, samples 85SNT-394-404 and 86SRTJI-3-4 consist of such veinlets with Cu (244-2626 ppm), Ag (1.4-4.6 ppm) and locally Mo (57 ppm), As (230 ppm) and Bi (32 ppm) values. One 8 cm quartz-chalcopyrite vein (85SNT-377) proximal to dyking in Marguerite creek returns 5574 ppm Cu, 240 ppb Au, and 5.8 ppm Ag.

GEOPHYSICAL PROGRAM

This section details the Striker property's geophysical program occurring between July 6th, 1986 and July 6th, 1987. The primary objective of the program was to delineate potential massive sulfide mineralization using both time and frequency domain electromagnetic (EM) techniques as well as Dp-Dp Induced Polarization (IP) surveys. All of the 1985 grids where either extended to cover new areas of interest or had additional lines added to clarify interpretations. These new lines were surveyed with a magnetic/VLF-EM instrument and the data were added to data collected last year (refer to Striker Assessment Report, October 1986). In addition, several reconnaissance VLF-EM lines were run to determine the extent of airphoto lineations.

Survey Description

Total Field Magnetics/VLF-EM

These surveys' purpose was to delineate structures and/or trends existing in the areas of interest.

These surveys were performed using a Scintrex IGS (Integrated Geophysical System) which enables both total field magnetic readings and VLF-EM readings to be recorded on one grid pass. The system is comprised of two units; one acts as a base station which monitors the diurnal drift of the earth's magnetic field every two seconds, the other acts as a field unit which records the total magnetic field and the VLF-EM (Inphase, and Quadurature components) measurements. The two units are then coupled at day's end and the field unit's magnetic data are internally compared to the base station's data. The field unit's data are corrected to a 57000 gamma datum (56000 gammas in Anomaly 3 grid's case). The data are repeatable to ±5 gammas.

On north-south lines the surveyor's constant orientation to the Seattle station causes an IGS VLF-EM anomaly to express itself with the positive inphase lobe always south of the negative lobe regardless of the line traverse direction. The east-west traverses have the positive lobe west of the negative lobe.

In general, the VLF-EM data and magnetic data were both collected at 25m intervals except on Anomaly 3 grid where magnetic data were collected at 12.5m intervals. The Seattle transmitter (24.0KHz) was used to survey north-south lines while Hawii (23.4 KHz) was used for east-west lines. A total of 51.8 line-kms of Mag/VLF-EM were collected using the IGS during the assessment period. As well, 5.5 line-kms of reconnaissance VLF-EM data were collected using an EM-16 instrument.

These surveys were conducted by T. Connor, C. Zaremba and R. Ord.

Genie/EM-4

This survey's purpose was to locate potential massive sulfide conductors within the areas of interest.

This system is a cableless, frequency domain, Slingram type, electromagnetic survey which records the ratioed amplitude response of two simultaneously transmitted frequencies. The survey is comprised of a receiver (Scintrex Genie receiver model SE-88 or the Scintrex EM-4) and a transmitter (Scintrex model TM-2) traversing grid lines using a constant separation (100m). The penetration of the system is purported to be approximately .7 times the separation.

The data collected with the different receivers reflect the same measured value, however, the EM-4's accuracy is ~±0.2 % whereas the Genie data's accuracy is at best ±1%. Both instruments operate on the same well known principles; the EM-4 is merely the digital version of the old analogue Genie system. The combining of the different system's data (Genie and EM-4) is due to the malfunction of the EM-4 receiver and it's replacement by the SE-88 Genie receiver. The Genie data is recognizable as being posted without a decimal point whereas the EM-4 data is posted to the first decimal place. The ratioed frequencies' units are in percent. The instruments were rented from Scintrex (EM-4) and Esso Minerals (SE-88 and TM-2) for the purpose of these surveys.

The data are collected at 25m intervals with the data being plotted midway between the receiver and transmitter. A total of 37.2 line-kms of combined Genie/EM-4 data were collected during this period.

This survey was conducted by T. Connor, C. Zaremba and R. Ord.

Crone Shootback EM Survey (CEM)

This survey's purpose was to locate potential massive sulfide conductors within the areas of interest.

The Shootback survey is a relatively old technique generally used for reconnaissance work due to it's insensitivity to transmitter-receiver geometric variations (ie. topographic effects). The survey is comprised of two receiver-transmitter 'hoops' which traverse the flagged lines at a relatively constant separation (here the separation was 100m) with readings being taken every 25m. Each instrument in turn acts as transmitter (the transmitter was held with a vertical loop axis transmitting at 5010Hz) while the reciever records the dip of the electromagnetic field's null position. This procedure is repeated with the former transmitter acting as receiver while the former receiver transmits. The two measured dips are added and the result is ideally zero if no conductors are present in the vicinity. Should a conductor be present, the secondary field set up within the conductive body perturbs the transmitted field from it's ideal state and thus the sum of the two dips is not zero.

In this way a conductor is delineated. The penetration of the system is controlled by the geologic environment, however, as a rule of thumb, conductors buried at half the transmitter-reciever separation are thought to be detectable.

A total of 11.0 line-kms of CEM data (in degrees) were collected during the assessment period. This survey was conducted by C. Zaremba and B. Watts under R. Ord's supervision.

Pulse EM

This survey's purpose was to locate any deep massive sulfide conductors which, due to their depth of burial, had not been found using the shallower penetrating EM systems above. The downhole PEM was used to substanciate the location of the intersected conductor as well as searching for any offhole conductors.

The Pulse Electromagnetic survey (PEM) is a time domain EM system. The system can be used in two forms; one being a surface survey (DEEPEM) and the other is a downhole survey (DHPEM). Both systems are comprised of a loop of wire laid upon the ground carrying 'pulses' of current and a receiver which measures the rate of decay (dH/dT) of the earth's secondary electromagnetic response during the offtime of each 'pulse'. Should a secondary field be present due to a conductor in the vicinity of the loop, the field's rate of decay is sampled (vertical and horizontal components in the surficial survey and vertical only in the downhole survey). This is a simplistic definition, however, indepth literature is readily available from Crone Geophysics and other sources.

The equipment used for the DEEPEM survey was a Crone 120 volt PEM transmitter, a Crone variable voltage generator, 10 gauge loop wire (the locations and sizes of which are shown on the appropriate Geophysical compilation plate), and a Crone PEM receiver with an adapted Polycorder to digitally record the collected data. A 10 Msec transmitter time base at 2.5 amps was used for the Sherk lake loop while the gain was preset at 250%. The Mofo grid loop's transmitter used a 10 msec time base at 3 amps while the gain was preset at 500%. The data units are millivolts. This equipment is owned by Utah Mines Ltd and was conducted by T. Connor and C. Zaremba under the supervision of R.Ord.

A total of 14.6 line-kms of surface PEM data were collected.

The DHPEM was conducted by White Geophysical Inc. of Vancouver, B.C. The equipment used was a Crone 12 volt PEM transmitter, 15 amp loop wire (the locations and sizes of which are shown on Plate 4), and an analogue PEM receiver. The data units are in Cronians. White Geophysics Inc. provided two technicians while Utah provided additional help when needed.

A total of 4.9km of DHPEM data resulted from the logging of four holes on the Sherk Lake grid.

Dipole-Dipole Induced Polarization Survey

The purpose of this survey was to search for possible non-conductive massive sulfides in the vicinity of the known graphitic conductor on the Sherk Lake grid.

The induced polariztion effect was generated using an Elliot 1.5 Kwatt IP transmitter. The wave form used was an 8 second square wave cycle (2 second on-off reverse polarity cycle). The chargeabilty and resistivity data were recorded digitally to a depth of n=4 (ie. a four dipole array) using an Scintrex IPR-11. The chargeability data's units are Newmont standard 'Milliseconds' and the resistivity data's units are 'Ohm-meters'. The 'a' spacing was 50m and the data were collected every 50m with the transmitter dipole preceding the potential dipoles.

A total of 10.1 line-kms of Dp-Dp IP data were recorded during the assessment period. This survey was performed by C. Zaremaba, T. Connor, J. Mueller, T. Willis, with periodic help from B. Nachtigal, and C. Rogers under the supervision of R. Ord.

Results

The Magnetic, VLF, and EM data for the five grids are presented in two forms; a posted, contoured Magnetic map and posted, stacked VLF and EM profiles plotted on an idealized grid (ie. line separations and station locations are based on labelled values and not the actual locations). Where possible, only the Magnetic/VLF-EM data acquired during this assessment period has been interpreted; where the data is intermingled with 1985 data it is included in the structure/magnetic trend interpretation. For completeness, the entire data set (both 1985 and 1986 assessment data) have been provided. The data collected before this assessment period are marked on the plates in question.

The VLF-EM reconnaissance data is profiled, and the interpreted responses are marked along the traverse lines on plate 21. Due to the volume of the DEEPEM and DHPEM plots they've been placed in appendices C, D, and E. However, these appendices contain more than just data as conductors are marked on each profile in their interpreted locations. In addition to the log plots of the original DEEPEM data a filtered version of each of the Sherk Lake data set is included. This was done to increase the interpretability of the data as the later channels are noisy. The filter applied to the data was .2(n-1)+.3(n)+.3(n+1)+.2(n+1).

Discussion

Sherk Lake Grid (Plates 1-5)

The interpreted locations of VLF structures (from Plate 2), magnetic trends (from Plate 1), IP anomalies (from Plate 3), and PEM conductors (from Appendix C) are shown on the Geophysical Compilation (Plate 5).

The VLF-EM responses are primarily structure associated, however, where these responses correspond to PEM or Slingram EM responses they coordinate well with graphitic argillites existing in the area. The magnetic trends are associated with what appear to be metamorphic boundaries or small intrusives rather than lithologic groups (this appears to be true on most of the grids). An exception to this is the magnetic basalt anomaly in the western quadrant of the grid (138E, 122.50N).

The resistive overburden (due to an unseasonally dry summer) caused low IP transmitter stake currents and high contact resistances between the receiver potential stakes. This, in turn, lowered the signal
to noise ratio which reduced the quality of the IP data set. In addition, the Sherk Lake grid's graphitic argillites caused the IPR-11 system to exceed it's 6 volt maximum across the potential array. The instrument had only restricted function in the presence of the argillite. Many readings have been omitted due to technical problems caused by these effects. The pseudosections presented on Plate 3 show the interpreted location of the Argillite effected areas as well as the four other IP anomaly locations. These have also been placed on the compilation plate.

The DEEPEM survey indicated no deep EM sources due to the masking effect of the conductive graphitic argillite. The survey merely re-affirmed the conductors located earlier by EM-4 (refer to Striker Assessment Report, October, 1986).

The Borehole (DHPEM) survey clearly indicated the presence of the graphitic argillite in the drillholes. The depths of the intersections are marked individually on each plot in App. D. The rugged terrain overwhich the surface loops where laid caused unusual coupling effects with the conductor at depth. This accounts for the positive/negative reversal in some of the profiles. No decisive indications of offhole anomalies were observed.

Mofo Grid (Plates 6-8)

The interpreted locations of VLF structures (from Plate 7), magnetic trends (from Plate 6), and DEEPEM conductors (from Appendix E) are shown on the Geophysical Compilation (Plate 8).

The small extension of the data collected in 1985 contained several interesting features. A magnetic anomaly in the northern section of the extension appears to be intrusive associated. As well a strong PEM and VLF-EM response in the southern section is associated with a near vertically dipping graphitic argillite which is mapped on strike south-east of the responses.

Candy Grid (Plates 9-12)

The interpreted locations of VLF structures (from Plate 10), magnetic trends (from Plate 9), and Genie/EM-4 conductors (from Plate 11) are shown on the Geophysical Compilation (Plate 12).

The infilling of the grid from 200m spaced lines to 100m separation has clarified the locations and strike of the features interpreted in the Oct. 1986 report. As well, the Genie/EM-4 data shows a strong response over what appears to be a small section of a long graphitic conductor. This may be due to a thickening of the conductive zone or it may indicate a facies change (ie. graphite to sulfide) along the unit's strike.

Suspect magnetic data exists on line 428E at 328N. This data is indicated on the compilation map.

Anomaly 1 (Plates 13-16)

The interpreted locations of VLF structures (from Plate 14), magnetic trends (from Plate 13), and Genie/EM-4 conductors (from Plate 15) are shown on the Geophysical Compilation (Plate 16).

The infilling of the grid sections from 200m spaced lines to 100m separation has clarified the locations and strike of the features interpreted in the Oct. 1986 report. In addition, the VLF and Genie/EM-4 clearly indicate that a series of three conductive horizons exist in the central sections of both 'arms' of the grid. Graphite has been found in the vicinity of the eastern conductors. These horizons appear to be interrupted in the central section of the grid as they are discontinuous. This indicates either a major fault or intrusion may exist between the two sections of grid. In this instance the magnetic trends (both highs and lows) appear to be lithologic associated as their strikes appear parallel to the probable lithologic conductors.

Anomaly 3 Grid (Plates 17-20)

The interpreted locations of VLF structures (from Plate 18), magnetic trends (from Plate 17), and the CEM (Shootback) anomalies (from Plate 19) are shown on the Geophysical Compilation (Plate 20).

The magnetic trends appear to be follow the lithologic strike in the area. A strong magnetic response in west end of the grid is possibly an intrusive, however, it may also be a magnetic basalt as was seen on the Sherk Lake grid. The interpreted VLF responses that are parallel to the magnetic trends may be due to lithologic resistivity contrasts and thus may mark lithologic contacts. However, the subparallel responses are structure related.

The relatively high frequency used (5010Hz) for the Shootback makes the survey very sensitive to effects caused by less conductive bodies, therefore, a large proportion of the indicated responses may be due to lithologic resistivity contrasts. As with the VLF these responses may be contact or fault associated. However, the response centered at 523E, 419.60N may have been responsible for the Input anomaly observed in this area in 1984 (refer to Input Anomaly 3, Questar Survey, Striker Assessment Report, March, 1985)

VLF-EM Reconnaissance (Plate 21)

The interpreted VLF responses are marked beside the profiles on plate 21. Large topographic effects are evident in the data thus only short wavelength responses have been interpreted as anomalous. These responses appear to be fault related.

CONCLUSIONS

1. The Sicker Group's Myra Formation is favorable volcanogenic polymetallic massive sulphide terrain. The unit hosts the massive sulphide deposits at Westmin's Buttle Lake mine and the past producer, Twin "J". In turn, the Striker Property is underlain by significant tracts of Myra rock, thus establishing its massive sulphide potential.

2. Mineralization on the property occurs as intrusive related Cu-Mo-Zn-Au-Ag veins, structure carrying anomalous Au-Ag-Cu-Zn, rhodonite/jasper/magnetite with anomalous Cu-Mo-Au and syndepositional disseminated pyrite in argillite locally anomalous in Cu, Zn, Mo, Ag and Au.

3. Sherk Lake Area: A dacitic tuff unit overlies a thick intermediate/basaltic pyroclastic package. The felsic unit displays variable quartz-sericite alteration and pyrite/pyrrhotite mineralization. The unit is capped by a graphitic pyritic argillite before passing vertically to cherty tuff.

   The presence of a deep conductor beneath the Sherk Lake grid is still open to speculation. Present results refute limited evidence that a deep conductor exists. Downhole PEM surveys failed to delineate any offhole anomalies although, due to surface indications, a second anomaly should exist beneath the graphitic argillite. The DP-DP IP indicate that four small anomalies exist apart from the large graphitic argillite IP response.

4. Mofo Grid Area: The area is underlain by predominantly cherty tuff with an intervening section of argillite and maroon cherty tuff with jasper/rhodonite. Diorite dykes, sills and plugs cut this succession. The presence of intrusives and their associated mineralization will make exploration difficult in this area.

   The Mofo grid's extension data indicates that a PEM strong conductor exists on strike with a graphitic horizon and is therefore of limited interest.

5. The Anomaly #1 grid area consists of andesitic and locally dacitic pyroclastics, cherty ash tuff, argillite and maroon cherty ash tuff with rhodonite/jasper/magnetite all complexly folded and faulted.

   Anomaly 1 grids infilling lines clarified two zones containing three conductive horizons each, all of apparent short strike length. Although graphite exists in the area, the limited strike length may indicate the conductors are massive sulphides.

6. The Candy grid area is underlain by a complex interbedding of andesitic and dacitic pyroclastics, siltstones and cherty ash tuffs.

   The Candy grid's results indicate that an apparent graphitic horizon either thickens or undergoes a facies change to massive sulphides along strike.

7. West Sherk Area: Mixed andesitic +/- felsic pyroclastics display local silicification and chloritization. The area is bounded by intrusive plugs to its north and south.

The anomaly 3 (West Sherk Lake) grid's results indicate that an Input EM anomaly may have an associated CEM anomaly of short strike length. The short strike length is not characteristic of graphitic argillites in the area.

The VLF reconnaissance data indicates that several responses are present in areas known to contain airphoto lineaments.

RECOMMENDATIONS

1. Fill in detailed mapping and sampling is required for the eastern half of the property. The western half of the property requires more reconnaissance and detailed mapping and sampling augmented with reconnaissance soiling and silting to evaluate the area. If these areas prove worthy, grid lines should be established.

2. Sherk Lake Grid: This grid area has numerous encouraging features for a massive sulphide target including geophysical targets, alteration and disseminated pyrite within a differentiated volcaniclastic succession, and proximal anomalous Au and Ba values in exhalative horizons. The second conductor, which should have been indicated by the Downhole PEM, is still of unknown origin. an effort should be made to identify whether it is graphite or massive sulfide. Drilling needs to be done to explain this and the IP anomalies existing on the grid.

3. The West Sherk Lake grid is an area favorable for a massive sulphide target. Detailed mapping and sampling should follow up the geophysics done to date.

   A Pulse EM (DEEPEM) survey is recommended in this area to further clarify the observed anomalies. Once concluded, the anomaly should be drilled.

4. A grid should be considered for an area near Marguerite creek if further prospecting and mapping is encouraging. The area contains coarse-grained felsic pyroclastics and some vein pyrite.

5. Grid extensions should be considered southeast of Anomaly #1 grid after further prospecting and mapping delineates a thick felsic lapilli exposed in the creek. These two zones of conductive horizons should be drill tested

6. No further work is recommended for the Mofo or Candy grid areas at this time.

REFERENCES

Bancroft, J.A.
1913: Geology of the coast and islands between Strait of Georgia and Queen Charlotte Sound, British Columbia; Geological Survey of Canada, Memoir 13.

Clapp, C.H.
1912: Southern Vancouver Island; Geological Survey of Canada, Memoir 13.

Clapp, C.H. and Cooke, H.C.
1917: Sooke and Duncan map-areas, Vancouver Island; Geological Survey of Canada, Memoir 96.

Cowley, P.S. (company report)
1985: Geological, Geochemical and Geophysical Report on the Striker Property, Vancouver Island, BC, March 1985.

Cowley, P.S. and Ord, R.S. (Company Report)
1985: Geological, Geochemical and Geophysical Report on the Striker Property, Vancouver Island, BC, October 1985.

Cowley, P.S., Ord, R.s., and Robinson, C.A.F. (company report)
1986: Geolgoical, Geochemical and Geophysical Report on the Striker Property, Vancouver Island, BC, October 1986.

Fyles, J.T.
1949: Geology and Manganese Deposits of the North Shore of Cowichan Lake, Vancouver Island, UBC Masters Thesis.

1955: Geology of the Cowichan Lake Area, Vancouver Island, British Columbia; British Columbia Department of Mines, Bulletin No. 37.

Muller, J.E.
1980: Paleozoic Sicker Group of Vancouver Island, British Columbia; Geological Survey of Canada, Paper 70-30.

Seriphim, R.H.
1980: Western Mines - Myra, Lynx and Price Deposits; CIM Bulletin, December, 1980.

Stevenson, J.S.
1945: Geology of the Twin "J" mine; Western Miner, March, 1945, p. 38-44.

Walker, R.G.
1984: Turbidites and Associated Coarse Clastic Deposits. In Walker, R.G. ed. Faciess Models, Geological Association of Canada Publications, Toronto, Ontario, p. 171-188.

APPENDIX A

Geochemical Preparation and Analyses

All samples were sent to Acme Analytical Laboratories Ltd., Vancouver, BC. Rock samples were pulverized and sieved to -80 mesh. Two options of rock analyses were used: 30 element ICP and Au or 30 element ICP with Au and whole rock geochemistry. For multi element inductively coupled Argon plasma (ICP), the -80 mesh pulp was digested in aqua regia prior to the analyses. The suite of 30 elements comprised Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au (ppm), Th, Sr, Co, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K, W. Au was analyzed in this suite by atomic absorption to a 1 ppm detection limit. Whole rock geochemical assay, where performed saw the -80 mesh pulp digested by lithium metaborate fusion. The results yielded 11 major mineral oxide components, SiO_2, Al_2O_3, CuO, MgO, Na_2O, K_2O, MnO, TiO_2, P_2O_5 and Cr_2O_3 accompanied by a loss on ignition and total Ba.

Silts and soils were sieved to a -80 mesh and subsequently analyzed by ICP. In Meade Creek, heavy mineral separates were performed on selected Au silts, samples were seived to -20 mesh with a -200 mesh fraction removed from ~2 kg samples. The -200 mesh fraction was analyzed atomic absorption. The -20 -200 mesh sample was separated by heavy medium, magnetic material removed, then analyzed by atomic absorption.

T-D...

RECEIVED
JUL 3 -

ACME ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JUNE 26 1986

DATE REPORT MAILED: July 1/86

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS -80 MESH AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

19 - Rocks

ASSAYER: D. Toye .DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT - 2164 FILE # 86-1167 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
139+50E 24+00N	1	159	6	59	.1	16	419	5.48	14	90	8
139+50E 23+50N	1	55	4	31	.2	7	344	3.95	2	32	3
139+50E 23+00N	2	73	6	46	.1	9	296	9.61	12	55	4
139+50E 22+50N	2	58	10	66	.1	7	283	6.82	20	75	3
139+50E 22+00N	2	127	2	58	.4	12	257	7.35	41	79	7
139+50E 21+50N	1	119	5	72	.1	15	574	6.08	14	171	5
139+50E 21+00N	1	122	9	47	.4	9	228	6.60	4	29	3
139+50E 20+50N	1	228	7	56	.1	13	349	6.30	4	41	6
139+50E 20+00N	1	65	8	29	.1	5	163	7.75	3	23	5
139+50E 19+50N	1	132	4	57	.1	11	380	6.76	7	38	3
139+50E 19+00N	1	51	5	35	.1	6	256	4.69	2	75	22
139+50E 18+50N	1	253	6	80	.1	19	536	7.41	2	72	6
139+50E 18+00N	1	100	12	89	.1	15	510	7.06	4	123	2
139+50E 17+50N	1	128	9	74	.3	13	592	7.56	6	48	4
139+50E 17+00N	1	139	7	87	.1	13	537	6.85	7	60	10
139+50E 16+50N	2	180	9	111	.3	11	409	6.05	14	69	8
139+50E 16+00N	2	197	18	139	.2	36	1518	6.18	16	107	8
139+50E 15+50N	1	157	7	60	.4	13	827	6.17	9	66	9
139+50E 15+00N	1	125	8	74	.1	14	657	7.43	13	93	2
139+50E 14+50N	3	208	8	79	.1	16	521	7.00	3	71	8
140+00E 24+00N	1	183	3	56	.1	13	393	7.27	13	60	7
140+00E 23+50N	2	88	7	59	.1	12	380	7.82	5	50	1
140+00E 23+00N	2	147	3	52	.1	16	419	6.04	13	82	5
140+00E 22+50N	1	46	5	15	.6	4	156	1.03	7	69	1
140+00E 22+00N	2	107	5	53	.1	11	252	8.43	17	47	3
140+00E 21+50N	1	79	7	38	.1	7	268	6.86	5	44	4
140+00E 21+00N	1	131	8	43	.1	10	239	6.96	14	35	11
140+00E 20+50N	1	130	10	46	.1	8	191	9.13	27	33	3
140+00E 20+00N	1	44	8	25	.1	5	184	5.06	6	24	13
140+00E 19+50N	1	133	11	53	.1	11	275	8.47	14	55	2
140+00E 19+00N	1	65	5	46	.1	7	286	5.88	8	38	5
140+00E 18+50N	1	46	11	68	.1	5	276	6.00	3	56	2
140+00E 18+00N	2	44	13	107	.1	9	556	5.56	6	80	2
140+00E 17+50N	29	96	27	259	.4	20	1936	10.37	83	149	3
140+00E 17+00N	10	77	17	102	.8	16	1984	7.36	26	77	11
140+00E 16+50N	2	157	9	120	.1	18	1147	7.29	16	84	5
STD C/AU-0.5	19	59	35	132	7.1	26	1162	3.95	37	180	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
140+00E 16+00N	1	118	24	80	.2	10	543	7.51	23	60	5
140+00E 15+50N	1	207	11	58	.1	18	1718	5.27	16	133	9
140+00E 15+00N	1	150	20	89	.3	56	2750	5.04	11	93	10
140+00E 14+50N	1	108	19	96	.7	16	445	6.55	12	90	10
140+00E 14+00N	1	68	11	101	.3	10	378	4.22	7	71	9
140+00E 13+50N	2	56	14	73	.1	5	364	4.64	24	71	8
140+00E 13+00N	3	88	19	89	.1	9	833	3.97	26	110	17
140+00E 12+50N	1	42	8	37	.1	3	222	4.38	8	41	19
140+00E 12+00N	1	43	12	43	.1	4	253	5.06	17	43	16
140+00E 11+50N	1	108	13	34	.3	7	224	7.49	13	23	5
140+00E 11+00N	1	50	14	32	.1	4	336	7.08	9	45	12
140+00E 10+50N	1	101	11	52	.4	11	437	7.21	9	37	8
140+00E 10+00N	1	40	7	44	.1	6	782	4.64	7	82	11
140+50E 24+00N	1	68	10	38	.2	8	268	5.47	13	27	4
140+50E 23+50N	3	80	13	42	.2	11	300	7.18	13	66	5
140+50E 23+00N	1	128	11	56	.3	17	593	5.57	67	128	6
140+50E 22+50N	1	134	9	49	.4	17	398	5.25	24	163	5
140+50E 22+00N	1	105	8	46	.2	14	301	4.90	5	76	4
140+50E 21+50N	1	73	9	42	.1	7	281	8.09	19	33	4
140+50E 21+00N	1	77	12	37	.2	7	191	12.28	17	28	2
140+50E 20+50N	1	87	12	32	.2	7	206	6.34	4	30	4
140+50E 20+00N	1	96	13	41	.2	9	232	8.42	19	32	3
140+50E 19+50N	1	82	8	58	.2	9	246	7.61	13	63	3
140+50E 19+00N	1	90	11	122	.3	11	416	7.55	8	103	4
140+50E 18+50N	4	173	43	186	.7	25	12950	6.24	23	401	8
140+50E 18+00N	24	45	28	119	.7	6	1592	5.70	38	182	5
140+50E 17+00N	20	44	24	130	.1	6	1813	7.86	69	143	4
140+50E 16+00N	1	163	21	147	.1	14	774	5.92	32	97	8
140+50E 15+50N	1	98	15	83	.2	14	3857	5.30	24	128	10
140+50E 15+00N	3	101	17	104	.1	9	656	6.90	20	61	28
140+50E 14+50N	1	15	6	32	.1	4	285	2.51	5	35	22
140+50E 14+00N	1	29	14	87	.1	8	624	7.49	7	89	39
141+00E 24+00N	1	142	7	46	.3	11	292	7.28	12	48	3
141+00E 23+50N	1	82	6	56	.4	7	255	7.38	6	36	4
141+00E 23+00N	1	57	10	45	.2	8	308	7.00	19	58	2
141+00E 22+50N	2	117	10	73	.5	33	1454	5.79	11	119	9
STD C/AU-0.5	19	59	37	136	7.0	27	1208	4.01	39	181	510

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
141+00E 22+00N	1	121	4	59	.1	14	534	5.93	31	74	2
141+00E 21+50N	1	69	7	29	.4	6	159	7.40	7	25	52
141+00E 21+00N	1	134	5	40	.5	10	214	6.19	22	49	1
141+00E 20+50N	1	96	6	37	.3	7	182	7.17	6	28	5
141+00E 20+00N	1	104	5	46	.3	10	258	8.16	25	43	3
141+00E 19+50N	1	90	7	53	.4	9	416	6.47	14	43	2
141+00E 19+00N	1	93	10	65	.3	14	876	9.08	11	75	2
141+00E 18+50N	1	84	16	57	.2	9	302	6.73	43	92	1
141+00E 18+00N	1	166	33	139	.2	27	781	7.50	16	172	3
141+00E 17+50N	16	40	22	70	.2	7	948	5.91	101	103	35
141+00E 17+00N	1	146	29	96	.3	30	9982	6.67	13	285	49
141+00E 16+50N	1	39	47	50	.1	28	9396	3.18	6	240	27
141+00E 16+00N	1	55	10	48	.1	9	1427	6.13	22	40	820
141+00E 15+50N	1	123	12	42	.3	6	1207	5.70	14	64	6
141+00E 15+00N	2	93	18	111	.1	13	974	7.22	27	66	5
141+00E 14+50N	1	34	7	65	.1	7	551	5.35	11	69	6
141+00E 14+00N	1	55	13	202	.1	26	482	7.89	10	201	3
141+00E 13+50N	1	35	9	57	.1	6	356	5.74	11	51	14
141+00E 13+00N	3	88	23	84	.1	6	440	4.93	23	95	24
141+00E 12+50N	1	71	12	79	.2	8	683	3.90	20	72	16
141+00E 12+00N	1	59	12	68	.3	7	456	6.11	13	97	5
141+00E 11+50N	1	60	13	34	.2	5	196	10.90	13	27	1
141+00E 11+00N	1	10	4	13	.1	2	155	1.88	3	15	1
141+00E 10+60N	1	17	5	24	.1	3	111	2.28	7	55	17
141+00E 10+00N	1	37	10	32	.2	8	561	3.29	2	332	30
142+00E 24+00N	1	98	7	54	.8	8	401	11.48	9	51	2
142+00E 23+50N	1	54	9	42	.4	7	263	8.18	7	50	1
142+00E 23+00N	4	115	6	66	.7	22	991	5.73	4	86	3
142+00E 22+50N	2	73	8	77	.5	9	383	8.60	24	64	1
142+00E 22+00N	2	49	9	30	.5	5	167	9.05	19	62	1
142+00E 21+50N	1	71	5	53	.4	12	420	7.27	2	86	1
142+00E 21+00N	1	74	7	33	.6	8	218	9.63	6	33	1
142+00E 20+50N	1	103	14	66	.4	13	353	11.18	7	106	1
142+00E 20+00N	1	43	8	37	.3	5	258	6.75	4	32	1
142+00E 19+50N	1	71	30	73	.1	8	1963	7.47	53	179	20
142+00E 19+00N	1	78	25	89	.2	7	461	8.71	23	42	8
STD C/AU-0.5	19	59	36	134	7.0	27	1191	3.97	38	179	505

UTAH MINES PROJECT - 2164 FILE # 86-1167

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
142+00E 18+50N	1	140	11	73	.3	35	3768	8.16	20	115	7
142+00E 18+00N	1	58	16	60	.1	9	1595	11.34	15	36	54
142+00E 17+50N	1	30	39	47	.1	5	435	5.49	29	38	23
142+00E 17+00N	1	47	15	52	.1	5	655	7.40	2	44	51
142+00E 16+50N	1	43	26	28	.1	3	178	4.58	15	39	68
142+00E 16+00N	1	30	9	27	.1	3	236	4.18	2	34	18
142+00E 15+50N	1	89	14	90	.2	52	1797	7.12	3	283	25
142+00E 15+00N	1	80	7	69	.1	8	410	5.66	9	82	15
142+00E 14+50N	1	68	12	199	.3	38	1056	6.74	9	321	5
142+00E 14+00N	1	58	11	63	.1	7	366	7.15	5	65	17
142+00E 13+00N	1	35	6	57	.2	5	380	5.14	8	62	12
142+00E 12+50N	1	30	6	56	.1	4	466	5.22	10	55	75
142+00E 12+00N	1	66	7	55	.1	10	871	3.62	12	109	25
142+00E 11+50N	1	28	8	41	.1	6	214	6.90	2	56	2
142+00E 11+00N	1	86	10	66	.1	20	624	5.78	16	123	14
142+00E 10+50N	1	101	11	43	.6	33	546	4.24	2	202	2
142+00E 10+00N	1	28	11	36	.1	6	266	5.90	2	85	7
143+00E 24+00N	3	89	8	41	.2	7	222	8.15	10	91	3
143+00E 23+50N	2	149	6	56	.3	12	441	8.34	16	128	8
143+00E 23+00N	4	192	2	59	.2	17	616	6.66	16	142	6
143+00E 22+00N	2	75	5	45	.4	10	396	9.63	23	50	11
143+00E 21+50N	2	113	6	57	.3	12	348	5.00	13	149	7
143+00E 21+00N	1	160	4	43	.3	11	240	6.06	39	57	14
143+00E 20+50N	1	85	7	37	1.0	7	268	8.66	4	35	3
143+00E 20+00N	1	42	8	36	.1	6	308	5.67	3	103	12
143+00E 19+50N	1	75	9	65	.2	11	574	6.95	3	82	8
143+00E 19+00N	1	47	19	88	.1	6	501	6.24	30	35	23
143+00E 18+50N	1	38	12	38	.1	4	576	4.90	11	19	85
143+00E 18+00N	1	83	17	140	.5	29	4916	6.41	9	402	9
143+00E 17+50N	3	60	43	154	.4	140	22092	6.66	2	683	3
143+00E 17+00N	1	57	14	60	.2	11	1315	7.73	12	77	29
143+00E 16+50N	1	73	7	84	.1	16	953	4.94	10	342	59
143+00E 16+00N	1	175	15	69	.1	12	2247	2.85	8	860	20
143+00E 15+00N	1	40	17	88	.3	35	3827	4.56	10	434	6
143+00E 14+50N	1	15	4	24	.1	3	201	2.64	8	54	24
143+00E 14+00N	1	28	9	62	.1	4	277	4.97	8	77	7
STD C/AU-0.5	20	60	38	137	7.2	27	1210	4.00	37	182	515

UTAH MINES PROJECT - 2164 FILE # 86-1167

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
143+00E 13+50N	1	31	9	63	.1	8	525	3.35	3	353	50
143+00E 13+00N	1	60	9	75	.2	9	612	4.07	3	205	48
143+00E 12+00N	1	10	9	22	.1	2	206	2.36	7	40	9
143+00E 11+50N	1	31	8	36	.1	4	540	3.45	4	52	7
143+00E 11+00N	1	63	12	100	.1	14	419	5.35	7	60	3
143+00E 10+50N	2	31	19	35	.1	10	304	6.40	12	102	6
143+00E 10+00N	1	41	14	40	.2	8	357	6.27	8	87	9
214+00E 124+00N	4	47	7	67	.7	18	4777	4.29	11	165	3
214+00E 123+50N	1	131	20	117	.2	24	1192	13.26	41	45	2
214+00E 123+00N	1	65	10	68	.3	11	615	10.06	53	35	5
214+00E 122+50N	2	42	15	73	.3	8	1494	6.34	17	74	8
214+00E 122+00N	2	109	9	89	.2	12	650	6.87	107	53	32
214+00E 121+50N	2	107	15	151	.5	21	921	8.34	317	96	7
214+00E 121+00N	3	102	24	134	.4	21	2171	7.52	180	172	9
214+00E 120+50N	1	70	12	92	.2	11	550	6.99	34	49	3
214+00E 120+00N	1	47	11	93	.3	10	471	9.09	37	52	7
214+00E 119+50N	1	120	8	96	.9	17	2595	5.55	28	171	12
214+00E 119+00N	1	85	9	61	.3	18	777	7.34	24	102	3
214+00E 118+50N	2	99	20	89	.6	48	3364	15.98	44	228	6
214+00E 118+00N	1	46	13	47	.3	8	386	11.09	22	29	195
214+00E 117+50N	1	36	15	44	.2	7	308	10.71	12	56	2
214+00E 117+00N	1	45	10	35	.1	7	278	12.07	17	36	20
214+00E 116+50N	1	102	9	58	.1	12	495	7.42	16	42	5
214+00E 116+00N	1	32	10	37	.2	6	316	7.99	13	30	5
214+00E 115+50N	1	45	13	61	.3	9	458	11.47	15	43	2
214+00E 115+00N	1	36	13	42	.3	6	295	9.27	17	48	6
214+00E 114+50N	1	30	13	61	.1	7	800	8.19	23	60	3
214+00E 114+00N	1	85	12	60	.1	12	638	8.60	25	39	18
215+00E 124+00N	7	61	15	72	.4	16	1496	10.43	20	58	1
215+00E 123+50N	1	91	12	192	.1	21	2465	9.21	22	87	2
215+00E 123+00N	1	45	12	126	.1	15	879	8.83	11	45	45
215+00E 122+50N	1	45	11	135	.1	15	1049	7.04	19	53	2
215+00E 122+00N	1	119	11	173	.6	14	9177	6.34	18	105	1
215+00E 121+50N	1	52	14	119	.2	13	1045	7.59	35	67	1
215+00E 121+00N	1	26	12	133	.3	11	1440	6.18	31	85	2
215+00E 120+50N	1	80	9	124	.1	16	625	6.41	34	118	2
STD C/AU-0.5	21	59	38	137	7.2	27	1214	3.97	41	182	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
215+00E 120+00N	1	22	9	173	.2	14	3006	5.13	6	126	1
215+00E 119+50N	1	33	8	76	.3	7	528	8.91	25	49	5
215+00E 119+00N	1	37	8	59	.4	8	359	8.52	21	91	13
215+00E 118+50N	1	69	10	69	.4	11	508	6.90	32	58	14
215+00E 118+00N	1	36	9	55	.4	9	412	6.64	24	38	6
215+00E 117+50N	1	20	8	24	.9	4	156	8.19	18	23	1
215+00E 117+00N	1	62	9	45	.9	7	296	12.75	20	33	2
215+00E 116+50N	1	57	10	67	.6	8	337	7.62	21	27	5
215+00E 116+00N	1	69	10	56	.4	9	408	8.08	32	27	12
215+00E 115+50N	1	70	9	54	.2	10	513	6.60	29	36	3
215+00E 115+00N	1	39	6	41	.3	5	236	7.55	26	32	8
215+00E 114+50N	1	66	8	78	.2	13	563	7.10	30	109	9
215+00E 114+00N	1	30	5	56	.2	8	441	5.33	11	55	6
216+00E 124+00N	1	40	12	103	.4	17	742	7.94	12	125	2
216+00E 123+50N	2	112	11	154	.9	24	7745	5.78	35	304	1
216+00E 123+00N	1	62	10	109	.7	19	4090	6.19	8	131	1
216+00E 122+50N	1	100	7	249	.1	13	2154	6.17	3	85	1
216+00E 122+00N	1	109	9	103	.1	9	409	6.95	5	60	2
216+00E 121+50N	1	21	10	293	.2	17	5910	5.51	3	87	1
216+00E 121+00N	1	41	7	66	.1	7	572	7.07	11	35	9
216+00E 120+50N	1	69	13	98	.1	14	569	7.22	23	155	3
216+00E 120+00N	1	44	13	126	.2	14	2649	5.41	18	146	5
216+00E 119+50N	1	86	8	121	.5	15	5314	5.00	12	307	2
216+00E 119+00N	1	34	9	89	.4	10	743	6.86	14	100	9
216+00E 118+50N	1	30	8	35	.4	6	362	6.47	11	34	4
216+00E 118+00N	1	63	9	117	.5	18	3578	5.37	22	116	3
216+00E 117+50N	1	35	10	65	.3	7	410	8.39	34	56	4
216+00E 117+00N	1	25	13	27	.1	5	204	10.61	18	32	5
216+00E 116+50N	1	59	7	62	.5	10	418	8.42	21	42	6
216+00E 116+00N	1	151	4	91	.5	19	679	6.92	29	78	8
216+00E 115+50N	1	50	11	43	1.0	7	285	12.69	38	28	11
216+00E 115+00N	1	28	9	44	1.0	6	312	9.29	21	52	1
216+00E 114+50N	1	58	5	55	.2	8	489	4.85	16	62	2
216+00E 114+00N	3	73	9	61	.1	11	504	8.38	18	38	6
217+00E 124+00N	1	41	7	59	.4	10	477	8.66	14	56	1
217+00E 123+50N	1	142	10	132	.3	25	3439	6.66	7	170	1
STD C/AU 0.5	21	60	35	137	7.2	27	1208	3.97	40	183	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
217+00E 123+00N	2	54	24	165	.1	17	1669	9.52	20	55	4
217+00E 122+50N	1	130	13	232	.1	20	840	5.01	4	41	8
217+00E 122+00N	1	30	17	118	.1	12	1511	6.44	14	63	1
217+00E 121+50N	2	70	19	87	.1	11	719	9.15	6	66	2
217+00E 121+00N	1	39	12	106	.1	10	1788	6.80	13	72	2
217+00E 120+50N	1	48	22	213	.1	12	2963	6.32	2	113	1
217+00E 120+00N	1	81	15	173	.1	13	4300	6.12	9	170	4
217+00E 119+50N	2	44	16	76	.2	15	520	6.55	8	103	1
217+00E 119+00N	2	45	9	78	.1	10	452	9.03	10	53	2
217+00E 118+50N	1	46	13	100	.2	13	682	7.56	15	124	5
217+00E 118+00N	1	94	13	114	.4	11	3806	4.47	20	195	3
217+00E 117+50N	1	36	16	69	.1	8	491	6.57	14	47	3
217+00E 117+00N	1	36	6	61	.1	7	245	5.64	22	30	5
217+00E 116+50N	1	89	18	77	.2	14	442	6.58	24	68	4
217+00E 116+00N	2	71	22	52	.1	8	319	12.12	30	30	2
217+00E 115+50N	1	98	9	55	.1	10	409	5.62	16	41	5
217+00E 115+00N	1	99	15	79	.1	15	582	7.02	44	48	5
217+00E 114+50N	1	22	9	36	.3	6	233	4.48	14	134	4
217+00E 114+00N	1	28	13	33	.1	5	239	7.35	18	37	3
218+00E 124+00N	1	89	19	78	.1	15	702	6.55	13	66	2
218+00E 123+50N	1	100	11	107	.4	17	2460	6.06	18	163	3
218+00E 123+00N	1	101	14	101	.1	18	685	6.76	16	47	5
218+00E 122+50N	1	45	22	216	.1	19	631	6.34	2	63	2
218+00E 122+00N	1	28	16	98	.1	9	521	11.01	9	46	2
218+00E 121+50N	1	77	12	124	.1	16	2639	6.36	22	136	3
218+00E 121+00N	1	144	16	89	.2	20	3296	6.50	43	127	6
218+00E 120+50N	1	67	16	126	.3	14	715	5.75	16	105	6
218+00E 120+00N	1	47	11	60	.5	9	1023	6.38	7	63	1
218+00E 119+50N	1	15	17	70	.1	4	408	5.79	2	24	1
218+00E 119+00N	1	61	17	67	.1	9	349	7.09	2	40	2
218+00E 118+50N	1	38	23	51	.1	5	268	10.90	20	41	1
218+00E 118+00N	1	35	19	125	.1	11	658	9.04	8	88	2
218+00E 117+50N	2	58	15	185	.6	26	3396	5.37	12	183	2
218+00E 117+00N	2	46	14	47	.1	8	409	13.22	22	26	1
218+00E 116+50N	2	74	19	90	.2	16	918	9.07	21	62	3
218+00E 116+00N	1	45	9	66	.5	10	611	5.73	17	64	3
STD C/AU-0.5	19	57	41	132	7.2	26	1172	4.01	38	177	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au† PPB
218+00E 115+50N	1	47	12	87	1.0	26	3056	4.61	9	154	6
218+00E 115+00N	1	25	13	41	.2	5	280	6.70	10	42	4
218+00E 114+50N	1	32	11	51	.1	7	311	5.83	14	41	8
218+00E 114+00N	1	76	7	86	.6	12	455	5.73	9	73	1
219+00E 124+00N	1	27	16	32	.3	4	185	3.55	2	43	20
219+00E 123+50N	1	39	8	51	.1	8	423	4.61	11	46	4
219+00E 123+00N	1	64	20	46	.2	8	383	7.86	17	47	1
219+00E 122+50N	1	64	12	98	.1	14	1173	4.63	2	131	9
219+00E 122+00N	1	48	18	106	.2	14	918	5.58	5	113	3
219+00E 121+50N	1	33	15	104	.4	9	590	6.72	9	89	2
219+00E 121+00N	1	126	9	80	.1	18	603	4.86	5	105	11
219+00E 120+50N	1	56	13	69	.3	12	814	7.79	21	74	6
219+00E 120+00N	1	81	14	66	.2	13	569	7.24	15	72	5
219+00E 119+50N	2	69	13	82	.2	13	693	6.75	16	52	4
219+00E 119+00N	1	64	13	105	.4	11	915	4.80	2	59	7
219+00E 118+50N	1	57	11	65	.1	13	467	5.56	15	80	2
219+00E 118+00N	1	42	12	81	.3	17	869	5.75	2	122	5
219+00E 117+50N	1	37	16	44	.1	6	249	6.97	16	46	2
219+00E 117+00N	1	67	13	44	.2	7	268	4.86	8	26	7
219+00E 116+50N	1	35	20	79	.3	12	946	5.97	20	430	4
219+00E 116+00N	1	46	19	60	.3	8	440	8.42	6	46	1
219+00E 115+50N	1	65	13	65	.3	9	443	6.19	2	81	7
219+00E 115+00N	1	40	9	55	.4	7	315	8.24	23	38	1
219+00E 114+50N	1	36	5	85	.2	12	728	4.82	8	163	2
219+00E 114+00N	1	61	14	84	.5	11	459	5.11	2	83	5
STD C/AU 0.5	20	58	43	136	7.1	27	1209	3.98	42	180	495

ACME ANALYTICAL LABORATORIES LTD.
852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6
PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: JUNE 21 1986

DATE REPORT MAILED: June 26/86

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS (SILT) -80 MESH AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: D. Toye. DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT - 2164 FILE # 86-1096 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
127+50E 24+00N	1	44	15	75	.2	13	420	7.34	19	40	5
127+50E 23+50N H	1	30	16	14	.6	8	549	1.28	28	96	1
127+50E 23+00N	2	85	13	60	.4	15	330	5.44	23	49	2
127+50E 22+50N	6	85	17	73	.8	61	2588	3.62	16	77	7
127+50E 22+00N	3	89	13	64	.8	21	2101	3.33	20	85	1
127+50E 21+75N	1	85	12	60	.5	18	538	3.88	17	81	9
127+50E 21+50N	3	103	23	84	.6	33	611	4.93	21	95	18
127+50E 21+25N	1	94	22	48	.2	14	261	6.92	29	45	6
127+50E 21+00N	2	84	10	43	.3	11	274	3.00	16	35	23
127+50E 20+75N	1	35	8	50	.1	11	308	5.23	18	29	60
127+50E 20+50N	1	15	4	31	.1	5	300	4.00	2	82	20
127+50E 20+25N	2	33	20	55	.3	14	405	5.45	23	147	13
127+50E 19+75N	1	25	18	31	.1	7	192	5.35	21	87	34
127+50E 19+25N	1	59	16	80	.2	23	603	4.91	17	193	9
127+50E 19+00N	1	28	18	29	.2	7	191	5.94	21	41	7
127+50E 18+75N	1	60	15	45	.1	12	275	6.19	27	61	20
127+50E 18+50N	1	13	13	18	.1	4	133	3.43	6	58	15
127+50E 18+00N	1	72	15	113	.4	24	7008	2.44	16	359	4
127+50E 17+50N	1	51	16	152	.2	28	1256	3.30	23	284	9
127+50E 17+00N	1	59	17	54	.2	13	450	6.42	34	54	165
127+50E 16+50N	1	37	36	58	.1	72	1738	6.04	9	145	12
127+50E 16+00N	1	50	11	58	.2	13	440	7.82	32	54	5
128+50E 24+00N	1	23	12	35	.4	6	235	3.80	6	27	1
128+50E 23+50N	1	107	20	77	.5	12	321	8.09	112	63	1
128+50E 23+00N	1	24	17	40	.3	7	257	4.75	15	41	1
128+50E 22+50N	1	35	20	125	1.2	12	535	6.07	18	51	2
128+50E 22+00N	1	24	39	76	1.0	9	410	8.67	13	38	875
128+50E 21+75N	1	36	13	42	.6	9	298	7.19	14	47	13
128+50E 21+50N	1	59	18	64	.5	13	519	5.56	17	117	11
128+50E 21+25N	1	38	14	34	.1	9	244	5.76	17	29	26
128+50E 21+00N	1	19	15	35	.2	6	419	2.40	5	94	3
128+50E 20+75N	4	53	13	61	.3	12	375	6.76	21	64	6
128+50E 20+50N	1	24	15	35	.1	8	288	4.88	13	61	13
128+50E 20+25N	2	69	12	54	.1	14	408	6.07	25	70	9
128+50E 20+00N	6	98	12	73	.4	41	15822	3.75	19	229	6
128+50E 19+75N	5	91	23	62	.1	17	484	7.27	31	71	2
STD C/AU-0.5	21	59	41	132	6.8	32	1201	3.94	37	176	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
128+50E 19+50N	2	56	14	34	.3	8	235	6.53	18	35	8
128+50E 19+25N	1	59	15	51	.2	12	325	4.99	23	75	8
128+50E 19+00N	1	37	13	67	.1	14	489	4.56	11	92	14
128+50E 18+75N	1	30	10	28	.1	6	201	3.88	10	49	8
128+50E 18+50N	1	56	8	33	.1	9	214	4.29	15	31	32
128+50E 18+00N	1	37	18	45	.1	18	580	5.76	16	68	14
128+50E 17+50N	1	47	16	36	.1	10	251	5.63	18	47	9
128+50E 17+00N	1	45	21	108	.1	25	806	5.32	15	100	9
128+50E 16+50N	1	40	30	47	.1	11	584	4.82	14	41	10
129+50E 24+00N	6	73	18	57	.3	16	407	6.60	15	38	13
129+50E 23+50N	2	71	15	31	.2	9	232	5.03	18	18	14
129+50E 23+00N	3	68	20	80	.7	56	6458	3.48	17	134	5
129+50E 22+50N	3	194	29	56	.2	17	422	7.31	18	37	26
129+50E 22+00N	2	76	15	15	.8	7	390	.54	2	59	3
129+50E 21+75N	2	71	17	124	.4	37	2211	4.61	13	124	7
129+50E 21+50N	1	34	21	51	.2	8	305	5.11	12	39	5
129+50E 21+25N	1	7	13	21	.1	8	243	3.01	2	38	5
129+50E 21+00N	1	11	17	27	.1	4	153	4.04	5	41	10
129+50E 20+75N	3	122	19	50	.8	20	334	2.84	14	58	9
129+50E 20+50N	4	53	15	61	.1	11	379	4.37	14	59	11
129+50E 20+25N	1	26	15	46	.2	9	286	5.55	6	32	3
129+50E 20+00N	1	19	17	50	.1	6	447	4.31	9	29	6
129+50E 19+75N	7	49	9	75	.2	12	371	5.35	24	44	9
129+50E 19+50N	11	44	22	82	.3	9	191	9.09	79	31	11
129+50E 19+25N	2	37	25	35	.3	8	288	7.02	18	64	6
129+50E 19+00N	1	49	16	38	.1	11	311	4.39	11	56	9
129+50E 18+75N	2	62	23	73	.2	18	453	5.60	10	60	205
129+50E 18+50N	1	57	18	36	.2	10	306	4.52	14	55	9
129+50E 18+00N	1	65	15	44	.1	11	360	5.29	18	35	12
129+50E 17+50N	1	36	16	49	.1	9	303	5.86	16	53	6
129+50E 17+00N	1	69	13	90	.1	14	346	5.70	16	107	14
129+50E 16+00N	2	130	11	34	.1	14	272	5.03	20	22	4
130+50E 24+00N	1	68	14	46	.1	12	458	5.01	12	26	3
130+50E 23+50N	1	96	18	579	1.0	10	290	6.40	15	25	4
130+50E 23+00N	1	111	21	95	.3	21	1039	5.02	9	57	65
130+50E 22+50N	1	46	19	77	.1	22	630	5.72	26	151	150
STD C/AU 0.5	20	59	38	131	7.3	31	1171	3.94	43	176	495

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
130+50E 22+00N	1	125	2	51	.2	15	394	5.56	13	33	4
130+50E 21+75N	1	77	15	46	.2	10	271	5.73	11	37	20
130+50E 21+50N	1	70	4	41	.1	11	326	4.61	20	29	13
130+50E 21+25N	1	9	13	25	.1	4	125	3.69	4	26	2
130+50E 21+00N	1	19	8	44	.1	6	271	5.90	14	45	2
130+50E 20+75N	1	8	8	42	.1	2	418	2.31	4	20	1
130+50E 20+50N	1	92	24	62	.1	11	283	7.68	11	31	65
130+50E 20+25N	5	19	10	35	.1	6	242	5.01	20	29	3
130+50E 20+00N	45	68	12	117	.2	8	181	6.57	58	23	2
130+50E 19+75N	1	11	11	28	.1	4	147	4.62	13	25	1
130+50E 19+50N	16	128	13	146	.2	19	387	8.91	74	63	6
130+50E 19+25N	4	68	29	82	.4	31	773	6.25	20	95	4
130+50E 19+00N	4	47	19	28	.1	8	158	8.40	27	36	12
130+50E 18+75N	1	11	15	21	.2	5	135	4.47	9	26	32
130+50E 18+50N	1	46	17	44	.2	9	280	6.36	19	29	6
130+50E 18+25N	1	34	9	35	.2	9	312	6.06	10	34	11
130+50E 18+00N	1	11	8	21	.1	4	197	2.99	5	46	5
130+50E 17+50N	1	33	14	52	.2	26	1031	4.72	10	94	5
130+50E 17+00N	1	54	13	78	.1	23	536	5.22	15	120	6
130+50E 16+50N	1	82	9	67	.1	13	399	4.97	22	76	12
130+50E 16+00N	1	43	9	68	.2	11	342	5.37	16	96	10
131+50E 24+00N	3	93	14	32	.3	12	197	6.82	14	22	6
131+50E 23+50N H	5	133	9	21	1.7	25	1893	1.12	14	80	1
131+50E 23+00N	2	117	4	30	.3	12	186	4.25	12	22	8
131+50E 22+50N	2	36	6	27	.3	8	186	5.53	9	21	2
131+50E 22+00N	1	40	2	43	.1	11	317	4.92	10	21	2
131+50E 21+75N	1	52	7	57	.2	10	316	5.97	14	33	5
131+50E 21+50N	1	47	19	31	.1	8	249	4.80	13	23	2
131+50E 21+25N	1	28	16	31	.2	8	182	7.75	11	29	1
131+50E 21+00N	1	41	16	43	.3	8	267	6.25	10	29	2
131+50E 20+75N	1	42	11	63	.1	9	327	6.42	12	37	4
131+50E 20+50N	2	120	8	42	.4	12	312	5.31	25	31	4
131+50E 20+25N	1	14	4	64	.2	6	498	3.26	7	41	1
131+50E 19+75N	1	13	12	45	.1	5	209	6.44	11	41	2
131+50E 19+50N	1	9	12	35	.2	3	274	3.53	6	50	1
131+50E 19+25N	9	54	18	80	.6	11	517	8.79	31	29	3
STD C/AU-0.5	20	58	36	131	7.2	31	1174	3.95	41	175	480

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
131+50E 19+00N	12	54	31	62	.7	14	354	6.42	18	89	2
131+50E 18+75N	10	50	20	76	.3	8	262	6.63	48	65	5
131+50E 18+50N	4	23	24	27	.1	6	252	6.33	19	40	20
131+50E 18+25N	5	83	28	48	.3	11	272	11.43	19	32	41
131+50E 18+00N	1	17	9	26	.1	5	208	4.24	5	36	41
131+50E 17+75N	2	84	22	49	.2	11	329	9.35	29	28	95
131+50E 17+50N	1	47	18	49	.1	8	380	5.52	25	78	15
131+50E 17+00N	1	25	14	37	.1	6	316	3.59	13	58	16
131+50E 16+50N	1	44	10	62	.3	8	303	5.64	12	40	12
131+50E 16+00N	1	128	15	81	.2	17	506	6.83	29	89	4
132+50E 24+00N	1	11	6	41	.1	6	346	4.16	8	34	1
132+50E 23+50N	1	135	5	36	.4	13	267	6.09	17	21	5
132+50E 22+50N	1	65	18	30	.5	9	265	7.27	8	25	24
132+50E 22+00N	1	107	11	47	.4	15	311	5.72	10	39	15
132+50E 21+50N	1	98	10	37	.3	12	238	6.64	9	26	8
132+50E 21+00N	1	78	11	33	.5	10	339	8.45	8	24	3
132+50E 20+75N	1	61	16	31	.3	9	215	7.21	9	24	3
132+50E 20+50N	1	97	5	41	.2	12	326	5.09	13	30	5
132+50E 20+25N	2	71	17	71	.2	14	327	6.10	13	58	9
132+50E 19+75N	1	58	17	95	.3	18	445	4.04	8	52	1
132+50E 19+50N	3	44	17	68	.4	10	365	3.73	7	68	3
132+50E 19+25N	1	41	7	60	.2	8	317	6.49	11	110	4
132+50E 19+00N	1	12	10	22	.1	5	200	3.75	4	24	4
132+50E 18+75N	1	14	8	36	.2	4	161	4.88	9	42	11
132+50E 18+50N	26	40	25	52	.4	7	742	5.81	98	57	3
132+50E 18+25N	7	20	27	31	.1	5	257	4.77	19	74	10
132+50E 18+00N	1	22	13	62	.1	7	555	4.74	16	90	5
132+50E 17+75N	1	25	13	31	.1	7	682	6.84	22	64	75
132+50E 17+50N	1	17	9	29	.1	6	286	3.91	22	53	21
132+50E 17+00N	1	82	7	109	.1	13	421	5.73	23	63	19
132+50E 16+50N	1	141	30	103	.4	16	438	6.60	38	95	20
132+50E 16+00N	1	21	17	27	.3	5	213	3.67	18	57	18
133+50E 23+50N	3	150	9	64	.6	21	698	5.63	16	34	31
133+50E 23+00N	1	63	5	32	.3	12	326	6.61	6	22	8
133+50E 22+50N	1	107	5	26	.4	14	277	6.54	8	14	10
133+50E 22+00N	1	54	16	21	.2	10	216	8.43	9	13	1
STD C/AU 0.5	20	58	41	135	7.2	30	1208	3.95	40	175	495

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
133+50E 21+50N	1	102	13	34	.2	11	235	6.38	4	22	10
133+50E 21+00N	2	73	15	42	.1	13	377	5.76	6	49	7
133+50E 20+75N	1	19	12	30	.3	9	287	5.94	2	22	2
133+50E 20+50N	3	78	9	78	.8	62	1777	3.38	7	45	4
133+50E 20+25N	1	62	19	40	.4	10	309	5.06	6	29	4
133+50E 20+00N	1	70	9	68	.1	11	334	6.39	10	29	5
133+50E 19+75N	2	74	18	62	.3	12	300	6.18	16	28	10
133+50E 19+50N	2	93	13	76	.2	13	316	6.22	34	32	6
133+50E 19+25N	1	38	11	26	.1	6	177	4.27	5	27	3
133+50E 19+00N	2	53	19	42	.1	10	283	7.30	8	18	3
133+50E 18+75N	2	84	10	50	.2	10	334	4.94	10	29	3
133+50E 18+50N	7	63	29	88	.7	20	315	4.60	12	48	5
133+50E 18+25N	12	91	23	80	.2	12	344	6.11	32	75	8
133+50E 18+00N	2	30	11	21	.1	5	158	4.39	15	29	16
133+50E 17+75N	1	31	18	36	.1	6	305	5.12	9	37	17
133+50E 17+50N	1	19	14	29	.3	4	288	4.16	10	29	24
133+50E 17+00N	1	24	14	27	.4	5	164	5.20	12	36	10
133+50E 16+50N	1	84	13	50	.3	9	291	3.61	60	32	38
133+50E 16+00N	1	10	13	22	.1	3	209	2.86	5	26	19
133+50E 15+50N	1	14	29	38	.1	3	882	1.01	5	81	14
133+50E 14+00N	1	18	12	30	.1	5	577	2.43	3	61	46
134+00E 24+00N	5	205	9	40	.3	20	316	8.30	138	45	46
134+00E 23+50N	4	106	16	38	.3	16	307	5.87	98	48	8
134+00E 23+00N	2	191	13	44	.9	23	408	4.47	73	67	45
134+00E 22+50N	5	128	13	73	.2	26	356	9.66	20	32	5
134+00E 22+00N	2	125	10	30	.2	13	185	6.42	9	18	11
134+00E 21+50N	2	286	7	42	.3	22	347	5.64	10	20	65
134+00E 21+00N	1	107	10	24	.2	13	226	7.70	12	20	7
134+00E 20+75N	2	103	10	42	.2	14	393	4.63	9	37	6
134+00E 20+25N	1	87	7	34	.3	10	258	4.61	8	26	7
134+00E 20+00N	1	29	10	30	.1	6	271	3.56	2	19	10
134+00E 19+75N	1	28	13	40	.2	7	236	5.80	7	37	4
134+00E 19+50N	2	91	16	94	.1	19	459	4.78	11	47	6
134+00E 19+25N	4	90	12	50	.2	10	346	5.26	6	24	5
134+00E 19+00N	1	58	10	34	.1	10	233	5.36	4	30	6
134+00E 18+75N	1	41	15	40	.2	7	169	4.47	4	33	3
STD C/AU-0.5	21	58	40	133	7.1	29	1190	3.94	39	175	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
134+00E 18+50N	1	58	11	42	.1	9	283	4.81	6	25	4
134+00E 18+25N	2	113	11	40	.1	13	240	5.22	11	44	3
134+00E 18+00N	2	127	17	52	.1	13	274	5.48	15	45	25
134+00E 17+75N	2	83	17	50	.1	13	361	5.11	9	48	8
134+00E 17+50N	1	98	17	42	.1	11	222	5.19	8	54	4
134+00E 17+00N	2	44	7	37	.2	8	259	6.16	14	28	3
134+00E 16+50N	1	26	10	31	.5	5	205	3.93	13	52	14
134+00E 16+00N	1	65	16	80	.1	10	341	5.52	23	67	19
134+00E 15+50N	1	43	21	39	.1	7	275	5.44	8	58	14
134+00E 15+00N	2	68	23	39	.1	9	358	5.64	11	39	23
134+00E 14+50N	2	118	22	77	.1	16	811	6.65	43	86	7
134+00E 14+00N	1	41	13	44	.1	8	427	4.24	6	52	13
134+00E 13+50N	2	51	12	76	.1	11	433	5.00	12	47	225
134+00E 13+00N	1	44	9	32	.1	6	227	3.38	7	32	9
134+00E 12+50N	1	25	14	57	.2	9	867	4.28	4	59	15
134+00E 12+00N	1	28	9	57	.1	7	726	3.28	7	58	7
134+00E 11+50N	1	48	14	75	.1	9	358	5.27	10	68	10
134+00E 11+00N	1	77	12	55	.1	13	361	4.46	14	84	18
134+50E 24+00N	5	121	12	49	.5	20	397	6.17	62	48	13
134+50E 23+50N	4	112	12	38	.5	17	221	7.08	66	26	14
134+50E 23+00N	3	131	7	57	1.0	27	723	4.40	23	44	120
134+50E 22+50N	3	122	15	44	.5	19	574	5.51	46	44	23
134+50E 22+00N	1	15	12	36	.1	7	250	2.93	2	36	2
134+50E 21+50N	3	73	7	14	.4	12	284	4.41	5	13	32
134+50E 21+00N	3	176	13	22	.2	18	293	6.92	16	12	60
134+50E 20+75N	4	229	8	32	.9	19	303	4.72	10	22	14
134+50E 20+50N	4	125	19	94	.2	88	4547	4.71	16	49	11
134+50E 20+25N	2	139	10	30	.4	16	317	5.54	9	19	12
134+50E 20+00N	1	46	7	38	.2	9	222	3.66	2	29	8
134+50E 19+75N	1	18	12	26	.1	7	298	4.44	3	17	1
134+50E 19+50N	2	31	5	14	.1	8	223	4.58	5	14	8
134+50E 19+25N H	8	184	20	65	.7	293	6611	2.94	9	35	1
134+50E 19+00N	2	71	12	36	.3	12	350	4.93	7	29	6
134+50E 18+75N	1	27	15	30	.2	8	188	5.71	8	30	3
134+50E 18+50N	1	3	12	30	.1	2	204	2.29	4	48	1
134+50E 18+25N	9	84	44	129	.5	72	2139	5.69	24	154	5
STD C/AU 0.5	20	57	42	128	7.0	31	1155	3.94	39	173	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
134+50E 18+00N	4	29	14	63	.2	6	165	4.15	13	33	4
134+50E 17+75N	3	50	24	49	.4	10	402	5.54	12	39	20
134+50E 17+50N	2	37	23	38	.2	10	370	5.13	6	45	12
134+50E 17+25N	5	95	37	98	.2	31	1278	5.39	98	138	11
134+50E 17+00N	3	231	14	58	.7	24	406	4.68	14	73	13
134+50E 16+50N	4	187	12	89	.2	22	713	4.83	10	83	9
134+50E 16+00N	1	60	10	47	.1	11	307	4.25	5	36	4
134+50E 15+50N	2	77	16	54	.1	11	415	4.71	2	40	6
134+50E 15+00N	1	37	13	46	.1	7	373	3.99	4	76	16
134+50E 14+00N	1	24	17	26	.2	4	126	3.24	3	38	25
135+00E 24+00N	4	277	18	50	.6	27	346	6.16	19	41	16
135+00E 23+50N	5	195	7	53	.5	26	508	6.71	22	42	29
135+00E 23+00N	4	198	6	36	.3	22	256	6.63	15	21	15
135+00E 22+50N	6	124	13	31	.6	16	221	7.07	44	32	23
135+00E 22+00N	6	116	9	19	.3	15	219	9.88	33	16	22
135+00E 21+50N	3	117	16	24	.5	14	289	6.56	7	17	32
135+00E 21+00N	3	29	11	48	.2	14	604	8.49	8	61	4
135+00E 20+75N	4	313	6	38	.4	26	333	5.67	9	33	17
135+00E 20+50N	4	233	6	28	.5	20	222	6.34	5	17	19
135+00E 20+25N	4	278	7	28	.3	25	363	5.59	16	28	36
135+00E 20+00N	3	137	6	27	.4	16	303	5.98	6	23	16
135+00E 19+75N	6	232	11	33	.3	19	256	6.54	10	25	20
135+00E 19+50N	3	190	13	41	.7	21	312	5.91	8	32	27
135+00E 19+25N	2	126	6	43	.2	16	305	5.48	2	32	6
135+00E 19+00N	3	214	13	34	.4	19	287	4.88	7	23	14
135+00E 18+75N	2	150	10	34	.6	16	274	5.62	6	25	21
135+00E 18+50N	1	97	18	31	.4	12	204	5.14	3	16	18
135+00E 18+25N	3	82	34	95	.7	99	3763	4.38	4	86	4
135+00E 18+00N	18	59	42	119	.6	14	328	8.03	66	87	7
135+00E 17+75N	2	184	9	38	.4	19	394	5.06	13	37	8
135+00E 17+50N	3	240	13	48	.4	22	388	4.90	6	51	9
135+00E 17+25N	2	76	14	53	.3	11	302	4.87	17	47	19
135+00E 17+00N	2	167	16	74	.4	23	454	4.71	13	80	7
135+00E 16+75N	3	177	12	61	.3	20	460	5.16	17	56	5
135+00E 16+50N	3	152	15	65	.2	18	419	5.01	22	72	7
135+00E 16+00N	2	109	15	90	.6	17	475	4.64	8	67	26
STD C/AU 0.5	21	57	42	131	7.2	31	1171	3.94	36	171	505

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
135+00E 15+50N	1	280	12	89	.1	37	1745	4.26	7	94	28
135+00E 15+00N	1	142	31	82	.3	16	486	5.53	26	97	18
135+00E 14+50N	1	111	25	104	.4	19	1453	3.76	13	97	55
135+00E 14+00N	1	55	19	84	.1	12	1314	4.05	10	80	17
135+00E 13+50N	1	38	21	76	.1	10	542	3.77	15	110	38
135+00E 12+00N	1	48	12	63	.2	13	658	3.22	2	135	22
135+00E 11+50N	1	25	15	82	.1	9	807	3.65	3	94	5
135+00E 11+00N	1	16	9	39	.1	4	277	3.25	5	48	9
135+00E 10+50N	1	26	8	39	.1	5	293	2.46	5	51	13
135+00E 10+00N	1	69	14	93	.1	19	1078	4.33	7	138	7
135+50E 24+00N	1	55	9	34	.2	13	392	8.61	12	20	6
135+50E 23+50N	1	219	8	63	.2	28	783	5.44	25	120	9
135+50E 23+00N	5	219	7	82	1.0	44	6397	5.79	19	109	4
135+50E 22+50N	3	170	8	64	.7	30	721	6.42	19	62	14
135+50E 22+00N	1	49	29	32	.3	7	241	1.69	7	28	1
135+50E 21+50N	2	130	8	46	.7	22	723	5.88	19	47	14
135+50E 21+00N	3	510	10	53	.5	19	495	6.29	19	72	25
135+50E 20+50N	4	335	8	40	.5	26	429	8.02	23	30	21
135+50E 20+00N	4	562	13	40	.4	19	524	6.93	21	46	38
135+50E 19+75N	1	137	6	28	.5	14	352	6.40	6	16	24
135+50E 19+50N	6	152	16	68	.2	17	468	6.24	9	39	21
135+50E 19+25N	1	190	12	84	.1	23	1098	5.89	2	25	15
135+50E 19+00N	1	130	2	40	.4	14	362	6.09	8	25	40
135+50E 18+75N	1	194	5	46	.2	17	382	5.51	9	36	14
135+50E 18+50N	1	197	14	40	.1	19	424	5.79	2	21	22
135+50E 18+25N	1	74	9	35	.3	7	245	3.62	2	43	16
135+50E 18+00N	1	202	2	57	.3	19	455	6.05	8	45	12
135+50E 17+75N	6	115	34	197	.1	56	1806	5.78	21	146	4
135+50E 17+50N	1	36	6	33	.5	7	247	5.09	15	30	11
135+50E 17+25N	1	151	14	73	.1	17	447	4.84	31	75	15
135+50E 17+00N	3	155	10	88	.1	17	353	6.99	16	86	5
135+50E 16+75N	2	127	23	73	.1	28	672	5.39	6	71	15 ←
135+50E 16+50N	1	115	8	74	.1	16	523	5.00	5	71	11
135+50E 16+25N	1	64	6	86	.2	12	579	5.22	2	95	4
135+50E 16+00N	1	127	9	50	.2	16	794	5.80	10	43	5
135+50E 15+50N	1	88	7	71	.1	18	747	5.62	9	71	3
STD C/AU-0.5	21	57	40	137	7.0	29	1236	3.97	37	182	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
135+50E 15+00N	8	405	14	147	1.6	137	5396	4.36	17	160	14
135+50E 14+50N	1	141	10	78	.1	19	853	4.64	14	89	13
135+50E 14+00N	1	42	10	72	.3	9	482	4.53	11	58	6
136+00E 24+00N	1	141	20	42	.3	20	463	6.84	15	25	9
136+00E 23+50N	1	132	11	51	.8	23	470	6.53	18	34	7
136+00E 23+00N	3	105	5	56	.3	19	329	6.85	18	33	5
136+00E 22+50N	4	97	11	57	.7	21	444	5.66	12	46	3
136+00E 22+00N	4	215	15	69	.5	29	570	6.00	21	71	1
136+00E 21+50N	5	127	5	52	.5	28	637	5.07	16	66	2
136+00E 21+00N	1	145	16	42	.4	17	308	6.46	11	26	24
136+00E 20+50N	1	99	8	27	.2	14	224	6.97	14	24	6
136+00E 20+00N	1	247	6	33	.4	21	315	5.40	10	27	29
136+00E 19+75N	1	129	7	25	.3	15	329	6.13	15	20	20
136+00E 19+50N	1	89	11	21	.1	14	347	5.88	11	16	39
136+00E 19+25N	1	38	15	56	.1	16	860	7.84	8	20	1
136+00E 19+00N	1	44	14	33	.1	10	335	5.42	5	20	4
136+00E 18+75N	3	256	7	34	.4	22	413	6.67	19	33	23
136+00E 18+50N	2	64	8	30	.4	11	245	7.16	9	28	7
136+00E 18+25N	1	53	15	25	.4	10	240	7.09	10	20	8
136+00E 18+00N	1	196	11	94	.2	19	455	5.28	12	33	80
136+00E 17+75N	3	175	20	161	.3	21	373	5.69	38	91	10
136+00E 17+50N	1	120	10	55	.3	15	291	6.64	24	35	5
136+00E 17+25N H	1	66	7	41	.2	10	264	4.20	17	53	4
136+00E 17+00N	3	106	22	88	.2	21	1433	4.38	49	271	9
136+00E 16+75N	1	85	9	53	.2	12	301	6.48	18	83	5
136+00E 16+50N	2	230	10	51	.3	21	415	6.15	21	49	10
136+00E 16+25N	1	143	2	51	.2	16	355	5.09	8	54	9
136+00E 16+00N	1	88	5	48	.2	12	341	5.07	10	45	7
136+00E 15+50N	1	122	8	122	.1	27	1213	4.49	12	138	9
136+00E 15+00N	1	52	6	48	.4	9	467	5.02	12	32	16
136+00E 14+50N	1	39	12	37	.4	7	343	5.13	12	36	2
136+00E 14+00N	1	157	9	62	.3	18	1009	4.54	13	79	11
136+00E 13+50N	1	69	17	90	.3	11	404	5.66	16	60	4
136+00E 13+00N	1	43	11	75	.2	10	412	4.16	13	85	7
136+00E 12+50N	1	33	10	50	.2	7	250	5.34	15	61	22
136+00E 12+00N	1	32	12	59	.1	11	418	4.00	10	58	24
STD C/AU 0.5	20	58	37	131	7.0	30	1178	3.94	39	178	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
136+00E 11+50N	1	75	11	87	.3	15	709	4.76	10	92	9
136+00E 11+00N	1	76	12	100	.3	13	683	5.42	17	81	13
136+00E 10+50N	1	96	7	64	.2	12	436	3.92	11	57	53
136+00E 10+00N	1	42	11	52	.1	9	409	4.41	13	85	15
136+50E 24+00N	2	249	9	50	.5	35	624	6.51	10	45	16
136+50E 23+50N	2	59	7	46	.2	17	414	5.57	4	24	6
136+50E 23+00N	1	217	3	53	.4	28	910	5.74	20	122	13
136+50E 22+50N	4	150	8	58	.6	28	3633	4.95	12	76	3
136+50E 22+00N	3	117	6	39	.5	15	363	7.91	19	36	6
136+50E 21+50N	2	249	6	63	.3	31	393	6.61	33	143	4
136+50E 21+00N	4	113	9	64	.2	34	1802	5.62	16	77	6
136+50E 20+50N	5	124	10	32	.2	22	488	7.73	18	67	5
136+50E 20+00N	1	43	13	10	.1	13	194	7.79	4	10	29
136+50E 19+75N	1	148	6	25	.1	18	334	5.52	9	24	3
136+50E 19+50N	2	201	8	26	.1	19	351	5.42	13	35	40
136+50E 19+25N	1	226	10	52	.2	29	776	5.30	14	116	24
136+50E 19+00N	1	106	13	55	.2	18	472	5.26	10	87	9
136+50E 18+75N	1	332	10	65	.2	31	648	6.06	5	49	13
136+50E 18+50N	1	138	7	31	.2	16	273	6.65	10	17	12
136+50E 18+25N	1	149	2	29	.2	17	279	6.26	10	19	26
136+50E 18+00N	1	168	12	51	.4	22	646	4.56	17	76	14
136+50E 17+75N	2	243	11	54	.2	28	856	4.98	18	88	43
136+50E 17+50N	1	222	13	51	.1	28	783	5.23	16	71	18
136+50E 17+25N	2	194	12	37	.1	19	386	5.87	12	24	55
136+50E 17+00N	12	30	9	23	.1	6	249	4.06	2	30	16
136+50E 16+75N	1	90	11	24	.2	12	251	7.22	8	21	3
136+50E 16+50N	1	107	5	33	.1	13	353	5.10	2	27	9
136+50E 16+25N	1	138	6	37	.3	14	304	4.92	5	28	14
136+50E 16+00N	2	104	14	52	.1	14	348	6.02	13	70	22
136+50E 15+50N H	4	149	10	82	.3	65	3454	3.97	9	122	5
136+50E 15+00N	3	168	16	72	.3	20	410	7.13	13	46	13
136+50E 14+50N	1	61	16	45	.3	10	360	6.22	7	30	10
136+50E 14+00N	1	143	15	69	.4	16	426	5.86	15	43	8
137+00E 24+00N	3	189	14	67	.1	24	366	7.90	25	102	2
137+00E 23+50N	1	57	9	30	.2	12	284	8.12	20	34	2
137+00E 23+00N	2	214	8	58	.1	26	433	7.11	38	126	10
STD C/AU-0.5	20	57	37	130	7.1	30	1172	3.95	39	177	510

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
137+00E 22+50N	1	113	12	77	.5	23	545	6.76	25	73	4
137+00E 22+00N	1	75	8	45	.3	14	350	7.21	21	82	2
137+00E 21+50N	1	243	6	62	.3	32	480	6.30	44	183	6
137+00E 21+00N	1	190	8	55	.2	27	1051	4.97	28	96	6
137+00E 20+50N	1	219	2	27	.3	17	273	4.74	12	20	15
137+00E 20+00N	1	211	11	35	.3	17	312	5.48	9	24	15
137+00E 19+75N	1	271	6	38	.2	25	470	5.88	15	30	21
137+00E 19+50N	1	207	6	25	.4	17	230	5.29	8	22	20
137+00E 19+25N	1	83	9	21	.3	11	204	6.91	10	16	12
137+00E 19+00N	1	55	3	10	.2	13	235	4.28	6	10	26
137+00E 18+75N	1	108	6	30	.4	13	267	5.74	8	25	12
137+00E 18+50N	1	33	17	43	.1	12	414	6.12	5	16	2
137+00E 18+25N	1	94	7	52	.3	14	331	7.05	6	38	12
137+00E 18+00N	1	246	18	52	.4	26	942	5.62	18	47	8
137+00E 17+75N	2	245	13	81	.2	23	550	5.37	32	47	19
137+00E 17+50N	1	210	9	47	.2	20	339	5.37	11	31	14
137+00E 17+25N	2	149	10	51	.5	29	1077	5.01	10	72	40
137+00E 17+00N	1	50	16	29	.1	10	216	8.75	7	24	12
137+00E 16+75N	2	76	4	30	.2	11	228	5.52	6	37	16
137+00E 16+50N	1	100	4	31	.1	13	236	4.94	8	25	8
137+00E 16+25N	1	73	4	26	.2	9	214	4.96	7	21	6
137+00E 16+00N	1	211	10	32	.3	19	350	5.39	13	41	105
137+00E 15+50N	1	42	13	28	.1	8	194	6.68	17	30	4
137+00E 15+00N	4	144	17	79	.6	101	9711	3.88	10	147	22
137+00E 14+50N	3	127	12	85	.3	19	461	4.61	5	137	5
137+00E 14+00N	1	161	10	77	.7	18	422	4.61	13	84	19
137+00E 13+50N	1	98	16	73	.2	24	856	4.50	18	123	10
137+00E 13+00N	1	106	20	63	.2	22	1109	3.83	20	174	60
137+00E 12+50N	1	132	12	92	.4	36	703	4.26	12	166	18
137+00E 12+00N	1	100	16	65	.3	19	536	4.81	21	80	19
137+00E 11+50N	2	188	13	57	.2	20	606	4.85	20	80	8
137+00E 11+00N	1	29	12	27	.1	8	208	5.90	9	36	10
137+00E 10+50N	1	60	8	25	.3	9	187	7.47	15	45	6
137+00E 10+00N	1	77	17	55	.2	10	308	5.32	14	57	18
137+50E 24+00N	1	122	12	53	.2	17	423	6.74	16	39	7
137+50E 23+50N	1	72	10	45	.4	16	542	5.77	20	91	14
STD C/AU 0.5	20	56	40	130	7.1	29	1171	3.94	42	175	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
137+50E 23+00N	3	171	14	84	.5	32	551	6.28	26	150	2
137+50E 22+50N	1	72	11	42	.2	13	329	6.06	19	35	4
137+50E 22+00N	3	130	14	64	.6	29	567	5.69	19	56	6
137+50E 21+50N	1	154	4	43	.4	17	327	5.65	17	36	10
137+50E 21+00N	3	85	14	34	.1	11	189	5.65	12	40	4
137+50E 20+50N	1	93	17	27	.4	10	192	5.89	10	23	3
137+50E 20+00N	1	83	9	22	.5	12	212	5.26	10	15	26
137+50E 19+75N	1	128	8	30	.1	14	266	5.31	11	20	8
137+50E 19+50N	1	128	6	101	.1	32	939	4.76	8	80	10
137+50E 19+25N	1	86	6	48	.3	27	1427	4.09	4	78	12
137+50E 19+00N	1	97	14	40	.2	15	312	6.57	10	68	13
137+50E 18+75N	2	181	12	34	.3	18	322	6.06	13	46	18
137+50E 18+50N H	1	43	4	19	.2	4	108	.28	2	138	1
137+50E 18+25N	5	163	7	45	.6	75	5991	5.71	7	49	15
137+50E 18+00N	4	169	9	45	.4	24	530	4.98	8	67	27
137+50E 17+75N	1	135	11	32	.4	13	254	5.37	10	28	28
137+50E 17+50N	1	223	8	61	.2	26	764	4.63	17	95	13
137+50E 17+25N	1	89	4	28	.3	12	265	6.32	9	48	12
137+50E 17+00N	1	99	14	26	.2	13	240	4.35	10	100	23
137+50E 16+75N	1	140	4	27	.2	12	212	5.20	6	43	9
137+50E 16+50N	1	37	12	24	.1	8	172	5.41	9	37	4
137+50E 16+25N	4	65	14	32	.3	11	243	4.54	6	69	2
137+50E 16+00N	3	100	7	49	.3	36	1188	4.46	8	68	6
137+50E 15+50N	3	200	13	89	.5	45	3955	4.62	13	94	5
137+50E 15+00N	2	98	13	54	.3	16	446	6.90	18	59	13
137+50E 14+50N	2	150	16	62	.3	22	1413	4.93	13	137	15
137+50E 14+00N	2	188	11	65	.2	23	559	5.66	13	56	8
138+00E 24+00N	1	142	8	52	.2	18	403	6.11	21	41	5
138+00E 23+50N	1	85	12	42	.3	14	307	9.04	22	38	2
138+00E 23+00N	2	124	17	59	.2	16	245	8.62	17	34	3
138+00E 22+50N	3	117	8	65	.4	19	319	6.92	24	46	2
138+00E 22+00N	1	41	8	29	.2	9	242	4.54	9	26	7
138+00E 21+50N	3	99	14	69	.3	20	322	7.97	21	78	3
138+00E 21+00N	1	97	16	41	.1	14	283	5.71	15	32	5
138+00E 20+50N	1	178	8	44	.4	17	285	5.39	12	19	6
138+00E 20+00N	4	139	6	51	.3	23	609	5.47	13	51	4
STD C/AU 0.5	20	58	38	129	7.0	28	1165	3.94	39	171	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
138+00E 19+75N	1	248	13	38	.2	22	373	5.30	14	24	35
138+00E 19+50N	2	175	10	40	.3	15	213	6.25	11	25	22
138+00E 19+25N	1	140	13	39	.4	18	262	6.42	14	23	14
138+00E 19+00N	1	106	11	33	.2	14	273	7.09	11	23	6
138+00E 18+75N	1	129	16	42	.2	16	296	6.24	10	28	9
138+00E 18+50N	1	128	9	61	.2	15	302	5.67	12	35	10
138+00E 18+25N	1	141	11	32	.3	15	276	6.53	17	25	17
138+00E 18+00N	1	233	12	25	.1	18	273	4.89	15	42	60
138+00E 17+75N	1	186	13	33	.2	16	254	5.14	11	39	18
138+00E 17+50N	2	200	13	41	.4	20	372	7.12	14	40	26
138+00E 17+25N	1	94	23	88	.3	13	359	7.50	18	60	2
138+00E 17+00N	1	183	10	32	.2	17	568	4.82	10	26	12
138+00E 16+75N	3	129	17	92	.3	19	463	6.55	22	107	17
138+00E 16+50N	1	56	11	39	.2	9	246	5.96	14	39	3
138+00E 16+25N	1	89	11	44	.4	12	297	6.69	22	45	32
138+00E 16+00N	1	181	13	75	.1	18	476	5.35	14	68	65
138+00E 15+50N	1	165	12	119	.2	35	1630	4.60	16	126	8
138+00E 15+00N	1	161	24	129	.1	26	2724	4.87	12	156	9
138+00E 14+50N	2	184	20	94	.2	22	452	7.50	15	90	3
138+00E 14+00N	4	308	14	59	.3	22	583	4.98	13	43	9
138+00E 13+50N	1	153	11	45	.2	14	296	5.64	12	32	8
138+00E 13+00N	1	85	14	53	.2	10	373	4.28	15	56	13
138+00E 12+50N	1	77	13	34	.1	9	253	5.83	12	30	17
138+00E 12+00N	1	66	13	41	.1	9	258	5.51	14	38	8
138+00E 11+50N	1	90	9	42	.1	13	350	4.38	11	50	7
138+00E 11+00N	1	94	13	49	.1	16	706	4.90	10	131	8
138+00E 10+50N	1	194	16	48	.3	17	374	5.60	15	44	11
138+00E 10+00N	1	81	13	63	.1	17	409	4.20	10	47	2
138+50E 24+00N	3	102	16	60	.2	16	346	7.50	25	79	2
138+50E 23+50N	1	106	11	42	.2	16	299	7.70	30	48	4
138+50E 23+00N	1	28	13	28	.1	8	226	4.85	24	79	2
138+50E 22+50N	1	72	9	43	.1	14	232	7.54	21	69	3
138+50E 22+00N	5	74	13	97	.2	35	1622	5.66	25	117	2
138+50E 21+50N	1	90	6	39	.2	14	255	5.57	23	40	34
138+50E 21+00N	1	17	6	20	.3	6	236	3.80	6	24	10
138+50E 20+50N	1	112	13	33	.3	13	178	8.19	10	19	4
STD C/AU 0.5	21	58	39	133	7.0	30	1187	3.94	39	175	495

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au* PPB
138+50E 20+00N	1	73	4	23	.2	10	149	5.54	5	12	3
138+50E 19+75N	1	106	5	33	.3	13	206	6.40	7	16	5
138+50E 19+50N	1	95	7	28	.3	12	221	7.10	10	20	4
138+50E 19+25N	1	100	3	30	.4	13	221	5.92	11	22	17
138+50E 19+00N	1	160	15	37	.3	16	181	6.65	13	25	2
138+50E 18+75N	1	76	4	25	.3	12	192	5.28	12	22	7
138+50E 18+50N	1	116	10	33	.5	14	280	5.64	12	30	8
138+50E 18+25N	2	189	12	59	.2	22	332	5.64	17	75	20
138+50E 18+00N	1	169	2	41	.2	19	240	7.00	13	41	3
138+50E 17+75N	2	277	6	45	.3	22	391	5.43	15	37	6
138+50E 17+50N	4	243	5	47	.4	25	364	5.35	13	47	5
138+50E 17+25N	1	184	7	63	.1	19	423	5.41	18	59	7
138+50E 17+00N	1	85	4	39	.3	10	203	5.33	12	32	5
138+50E 16+75N	6	166	2	198	.5	52	6972	4.24	11	200	4
138+50E 16+50N	1	131	4	63	.3	15	400	5.49	12	50	2
138+50E 16+25N	2	227	5	54	.5	24	489	4.76	20	69	8
138+50E 16+00N	1	149	6	43	.4	15	480	4.96	15	33	5
138+50E 15+75N	1	61	7	33	.3	10	283	5.15	15	37	20
138+50E 15+50N	1	88	7	44	.3	12	360	5.18	18	44	6
138+50E 15+25N	5	164	12	66	.4	16	482	6.14	26	77	10
138+50E 15+00N	1	88	13	58	.3	13	296	5.77	17	38	3
138+50E 14+50N	1	138	6	40	.4	15	339	5.91	15	26	140
138+50E 14+00N	1	130	4	33	.5	12	240	6.03	18	25	9
139+00E 24+00N	5	150	6	69	.8	17	394	5.20	23	131	13
139+00E 23+50N	4	180	8	63	.6	28	447	5.67	44	144	3
139+00E 23+00N	3	75	9	88	.2	21	769	6.12	22	109	2
139+00E 22+50N H	4	76	2	34	.6	30	802	4.42	15	92	2
139+00E 22+00N H	1	32	3	23	.2	8	221	4.07	7	29	1
139+00E 21+50N	1	70	5	43	.4	13	284	8.41	18	31	5
139+00E 21+00N	1	90	2	28	.4	10	172	5.92	7	20	7
139+00E 20+50N	1	71	6	35	.8	11	207	7.50	10	25	2
139+00E 20+00N	1	133	5	51	.1	16	331	6.49	15	41	13
139+00E 19+75N	2	222	14	62	.2	25	415	6.43	16	44	5
139+00E 19+50N	2	88	8	48	.4	15	288	6.89	7	39	2
139+00E 19+25N	1	63	2	30	.3	11	188	7.27	8	23	10
139+00E 19+00N	3	136	4	74	.3	44	1092	6.65	9	152	5
STD C/AU-0.5	20	60	37	131	7.1	30	1179	3.94	42	176	485

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Co PPM	Mn PPM	Fe %	As PPM	Ba PPM	Au† PPB
139+00E 18+75N	1	53	5	32	.1	11	253	7.21	2	36	5
139+00E 18+50N	1	105	4	50	.2	16	325	6.87	7	47	4
139+00E 18+25N	1	206	3	60	.1	23	441	6.62	10	48	5
139+00E 18+00N	1	139	9	60	.1	20	378	7.64	11	113	3
139+00E 17+75N	1	93	2	50	.2	13	346	6.57	13	42	3
139+00E 17+50N	1	142	6	62	.3	19	689	6.73	9	60	16
139+00E 17+25N	4	271	2	155	.3	48	883	6.68	14	106	4
139+00E 17+00N	3	198	4	101	.1	23	501	5.98	19	71	2
139+00E 16+75N	1	194	2	78	.2	21	378	7.00	22	70	6
139+00E 16+50N	1	182	4	68	.1	21	490	6.89	23	64	6
139+00E 16+25N	1	212	2	64	.3	23	546	5.92	15	64	5
139+00E 16+00N	1	202	8	65	.5	23	552	6.56	16	52	6
139+00E 15+75N	1	247	5	62	.3	26	497	5.78	13	74	17
139+00E 15+50N	1	213	7	64	.1	24	499	6.31	17	64	7
139+00E 15+25N	1	51	3	49	.2	11	623	5.66	8	110	7
139+00E 15+00N	1	174	11	77	.4	35	1397	6.12	17	174	4
139+00E 14+50N	1	170	2	59	.3	19	470	6.17	10	49	16
139+00E 14+00N	1	184	10	97	1.3	69	1556	4.82	9	154	4
139+00E 13+50N	1	209	2	54	.5	19	453	5.35	17	40	7
139+00E 13+00N	1	18	9	25	.1	5	243	3.79	5	41	18
139+00E 12+50N	1	82	6	89	.2	25	924	4.32	17	238	10
139+00E 12+00N	2	163	9	83	.5	20	578	4.84	13	146	4
139+00E 11+50N	1	136	3	60	.1	23	893	4.34	14	110	5
139+00E 11+00N	1	210	8	96	.4	28	1570	4.60	16	103	14
139+00E 10+50N	1	258	4	69	.3	26	765	5.74	10	57	7
139+00E 10+00N	1	242	5	44	.2	22	1304	5.66	13	49	10

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK CHIPS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JULY 14 1986 DATE REPORT MAILED: July 18/86 ASSAYER. D. Toye .DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT - 2164 FILE # 86-1439

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-SCWDA-265	21	43	12	165	.1	34	5	374	2.99	11	5	ND	2	9	1	3	2	112	.13	.081	5	43	.89	97	.01	4	.92	.02	.08	1	5
85-SCWDD-118	1	7	4	64	.1	2	2	438	1.95	2	5	ND	4	25	1	2	2	3	.88	.032	24	2	1.65	128	.01	4	1.34	.04	.11	1	1
85-SCWDD-133	1	9	4	76	.1	3	3	570	1.84	2	5	ND	2	38	1	2	2	8	.26	.032	5	2	1.53	69	.18	3	1.36	.03	.64	1	2
85-SCWDD-537	1	6	2	54	.1	3	1	355	1.58	2	5	ND	2	31	1	2	2	7	.20	.026	8	3	.61	94	.16	3	.79	.05	.11	1	2
85-SCWDD-540	1	8	5	59	.1	3	2	673	2.03	2	5	ND	1	38	1	2	2	11	.36	.034	8	4	1.20	73	.20	3	1.39	.06	.47	1	1
85-SCWDD-542	1	11	2	75	.1	3	3	730	2.40	2	5	ND	3	25	1	5	2	14	.33	.040	7	6	1.64	46	.17	5	1.54	.04	.17	1	1
85-SCWDD-548	2	16	5	84	.1	10	4	607	2.63	3	6	ND	3	55	1	3	2	16	.39	.035	9	13	1.56	222	.20	6	1.97	.11	.75	1	1
85-SCWDD-558	1	9	5	83	.1	4	3	368	2.16	2	5	ND	3	11	1	2	2	6	.19	.041	23	2	1.55	159	.01	5	1.65	.04	.25	1	1
85-SCWDD-566	1	7	5	52	.1	4	3	436	2.15	3	5	ND	1	37	1	2	2	18	.49	.062	5	5	1.20	110	.28	5	1.34	.05	.24	1	1
86-SCWDD-83	1	19	5	81	.2	5	4	408	2.47	2	8	ND	2	16	1	3	2	15	.38	.052	6	7	1.66	60	.12	3	1.58	.04	.16	1	1
86-SCWDD-84B	1	7	4	74	.1	3	2	418	2.17	6	5	ND	2	28	1	2	2	7	.22	.026	8	3	1.64	130	.16	4	1.65	.04	.36	1	2
86-SCWDD-84D	1	12	2	79	.1	4	4	333	2.38	6	5	ND	2	24	1	2	2	9	.24	.037	5	3	1.69	109	.14	5	1.65	.05	.27	1	1
86-SCWDD-846	1	12	5	74	.2	4	3	410	2.06	3	5	ND	2	32	1	2	2	10	.30	.038	8	3	1.54	149	.20	4	1.52	.05	.23	1	1
86-SCWDD-93	1	13	8	76	.2	4	3	400	2.28	2	7	ND	3	49	1	2	2	10	.36	.034	9	4	1.59	179	.16	4	1.71	.07	.64	1	2
86-SCWDD-94	1	18	3	83	.2	4	3	309	2.10	2	5	ND	1	26	1	2	2	8	.30	.028	6	3	1.82	125	.12	4	1.63	.05	.19	1	1
86-SCWDD-95	1	12	2	68	.1	3	2	304	2.10	5	5	ND	2	15	1	2	2	6	.18	.027	6	3	1.88	91	.10	4	1.65	.03	.18	1	2
86-SCWDD-99	1	4	5	51	.1	2	1	307	1.77	3	5	ND	1	35	1	2	2	8	.26	.020	6	2	1.66	124	.17	3	1.66	.04	.30	1	1
86-SCWDD-100	1	6	7	101	.1	2	2	289	1.49	2	5	ND	1	67	1	2	2	5	.25	.033	6	2	1.08	1096	.10	4	1.32	.04	.28	1	1
86-SCWDD-103A	1	13	4	82	.2	4	4	390	2.38	2	5	ND	3	24	1	2	2	11	.43	.042	8	4	1.90	96	.14	5	1.65	.05	.16	1	1
86-SCWDD-146A	1	11	6	95	.2	5	4	452	2.44	4	5	ND	3	23	1	2	2	4	.82	.064	18	1	1.22	86	.01	4	1.01	.04	.14	1	1
86-SCWDD-153	1	46	11	78	.2	6	7	479	3.00	2	5	ND	3	36	1	2	2	23	.40	.040	17	7	1.35	75	.05	4	1.38	.05	.28	1	1
86-SCWDD-158	1	14	4	70	.1	5	3	354	1.66	5	5	ND	4	34	1	2	2	6	.44	.037	17	3	.71	106	.01	5	.74	.04	.13	1	1
86-SCWDD-240	3	4	2	155	.2	5	2	722	2.10	2	9	ND	7	30	1	2	2	1	.60	.029	47	1	1.73	161	.01	4	1.49	.03	.19	1	255
86-SCWDD-241C	1	12	8	95	.1	5	4	522	2.61	3	5	ND	1	30	1	2	2	13	.55	.056	5	5	1.53	91	.19	6	1.54	.05	.31	1	1
86-SCWDD-242	1	11	6	88	.1	4	4	347	2.14	5	5	ND	2	49	1	2	2	9	.36	.051	6	5	1.26	127	.18	5	1.34	.04	.23	1	1
86-SCWDJ-245	1	40	3	14	.1	5	3	287	1.70	19	5	ND	1	2	1	6	2	13	.01	.003	2	5	.04	26	.01	2	.10	.01	.02	1	33
86-SRWRT-20	1	77	5	65	.3	34	19	794	3.73	2	10	ND	2	124	1	2	2	97	1.09	.140	10	65	2.31	65	.25	5	2.19	.09	.45	1	3
86-SRWRT-21	1	54	3	58	.1	19	13	371	2.46	4	15	ND	1	91	1	2	2	62	1.82	.106	5	25	2.01	9	.25	6	2.01	.06	.05	1	1
STD C/AU-0.5	22	59	39	139	7.2	71	29	1123	3.98	42	20	7	35	49	18	16	19	69	.48	.109	38	60	.88	183	.08	38	1.73	.08	.14	14	495

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM
86-SCTDS-252	3	158	6	49	.3	28	12	1214	3.89	44	5	ND	1	135	1
86-SCTDS-258	2	553	4	104	.4	39	20	673	4.28	251	5	ND	2	383	1
86-SCTDX-249	14	4055	32	19	.8	348	587	114	40.51	2	5	ND	3	2	2
86-SCTDX-251	4	2450	42	96	2.9	30	79	534	23.03	166	9	ND	2	12	1
86-SCTDX-262	3	736	8	20	.4	52	43	372	9.34	17	5	ND	1	8	1
86-SRTKO-19	5	213	18	97	.7	23	30	1376	6.85	70	5	ND	2	190	1
STD C/AU-0.5	20	61	41	140	7.0	72	30	1139	3.97	39	17	7	35	49	18

SAMPLE#	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-SCTDS-252	4	2	57	6.84	.052	4	25	1.77	191	.01	6	.55	.07	.07	1	8
86-SCTDS-258	17	2	130	13.02	.057	8	47	2.94	25	.01	12	.55	.08	.07	1	18
86-SCTDX-249	16	4	10	.36	.071	2	1	.10	6	.02	18	.15	.06	.01	351	27
86-SCTDX-251	2	3	68	.82	.431	8	13	1.28	13	.01	2	2.51	.06	.05	1	135
86-SCTDX-262	2	2	76	2.53	.030	3	30	.23	4	.25	2	1.16	.04	.01	13	10
86-SRTKO-19	2	4	80	8.18	.075	9	50	2.24	14	.04	3	2.08	.08	.08	1	90
STD C/AU-0.5	16	20	70	.48	.109	39	60	.88	185	.09	37	1.73	.08	.13	15	490

T-Disc
Sept 9/86

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LIBO2 AND IS DISSOLVED IN 50 MLS 5% HNO3. SAMPLE TYPE: ROCK CHIPS

DATE RECEIVED: JULY 14 1986 DATE REPORT MAILED: ASSAYER............DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT - 2164 FILE # 86-1439

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba PPM	Zr PPM	Y PPM	Loi %	Sum
86-SCWDA-265	75.08	8.44	4.68	1.88	.23	.20	3.55	.38	.21	.04	.01	4958	86	25	4.1	99.77
85-SCWDD-118	68.97	14.09	3.14	3.24	1.39	.85	2.60	.38	.08	.05	.01	3180	153	33	4.4	99.84
85-SCWDD-133	68.16	14.01	3.94	3.18	1.57	1.70	3.55	.43	.08	.08	.01	1300	149	34	3.0	99.98
85-SCWDD-537	73.65	12.98	2.85	1.29	1.13	3.90	1.50	.37	.06	.04	.01	1703	159	31	1.8	99.93
85-SCWDD-540	68.79	14.55	3.54	2.48	1.74	2.20	3.25	.50	.09	.09	.01	1419	182	36	2.4	99.94
85-SCWDD-542	67.37	14.49	4.15	3.24	1.15	1.95	3.70	.48	.10	.09	.01	1273	141	32	2.9	99.90
85-SCWDD-548	67.48	14.65	4.50	3.08	1.79	1.95	3.35	.50	.09	.07	.01	1552	151	34	2.0	99.79
85-SCWDD-558	68.56	15.09	3.61	3.20	.39	1.70	3.05	.49	.10	.04	.01	1845	156	38	3.0	99.62
85-SCWDD-566	65.26	15.95	3.95	2.44	2.66	3.15	2.20	.74	.15	.06	.01	1604	114	32	3.1	100.00
86-SCWDD-83	67.33	15.22	4.31	3.35	1.86	2.40	2.25	.48	.15	.05	.01	1259	146	35	2.3	99.97
86-SCWDD-84B	68.18	14.50	4.01	3.37	1.39	1.40	3.05	.40	.06	.05	.01	1626	185	38	3.0	99.76
86-SCWDD-84D	68.18	14.48	4.18	3.42	1.61	1.70	2.55	.49	.10	.04	.01	1373	129	39	2.7	99.74
86-SCWDD-84G	67.87	14.50	3.66	3.08	1.23	2.20	2.95	.47	.08	.05	.01	2558	181	37	3.2	99.82
86-SCWDD-93	67.67	14.81	3.95	3.14	1.92	2.20	2.85	.47	.09	.05	.01	1790	166	41	2.4	99.93
86-SCWDD-94	69.59	14.17	3.65	3.60	1.64	1.75	2.25	.43	.08	.04	.01	1513	162	34	2.3	99.83
86-SCWDD-95	69.89	13.92	3.67	3.73	1.08	1.20	2.60	.39	.07	.04	.01	1409	156	34	3.0	99.89
86-SCWDD-99	70.62	13.57	3.20	3.29	1.53	1.35	2.50	.44	.05	.04	.01	1404	172	34	3.0	99.90
86-SCWDD-100	73.04	13.45	2.63	2.40	1.18	1.30	2.65	.31	.10	.03	.01	3638	186	41	2.0	99.83
86-SCWDD-103A	66.89	15.63	4.02	3.73	2.01	2.35	2.20	.52	.12	.05	.01	1369	134	35	2.2	100.01
86-SCWDD-146A	63.89	16.94	4.01	3.13	1.40	1.20	3.65	.61	.17	.06	.01	3869	172	41	4.0	99.84
86-SCWDD-153	67.29	14.60	4.92	2.73	1.17	2.85	2.65	.54	.16	.06	.01	1340	145	34	2.6	99.86
86-SCWDD-158	69.10	15.33	2.82	1.70	1.37	3.45	2.40	.49	.09	.04	.01	1570	179	40	2.8	99.93
86-SCWDD-240	59.97	19.71	3.69	4.12	.97	.60	5.15	.59	.06	.10	.01	4667	244	58	3.8	99.71
86-SCWDD-241C	64.43	15.82	4.61	2.97	2.48	2.80	2.40	.60	.14	.07	.01	1487	115	34	3.2	99.83
86-SCWDD-242	67.21	15.48	4.11	2.63	2.22	2.35	2.70	.55	.13	.05	.01	2616	145	37	1.9	99.87
86-SCWDJ-245	94.01	1.34	2.82	.10	.02	.05	.20	.03	.01	.03	.01	84	34	6	.9	99.54
86-SRWRT-20	52.90	17.59	8.63	5.06	5.96	5.20	1.10	.77	.38	.14	.02	378	75	19	2.0	99.83
86-SRWRT-21	56.43	16.39	6.58	4.14	10.27	1.80	.45	.72	.28	.07	.01	182	78	17	2.5	99.69
STD SO-4	67.47	10.28	3.46	1.00	1.64	1.40	2.05	.55	.23	.07	.01	775	279	24	11.5	99.85

RECEIVED [stamp]
UTAH MINES LTD. EXPLORATION DEPT.

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS AND HUMUS -80 MESH AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE. P = Pulverized

DATE RECEIVED: JULY 7 1986 DATE REPORT MAILED: July 14/86 ASSAYER. D. Toye. DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT - 2164 FILE # 86-1345 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L128+50E 22+00N A	1	9	12	23	.6	5	2	85	.55	3	5	ND	1	13	1	2	2	16	.24	.037	2	4	.09	62	.01	5	.36	.01	.03	1	28
L128+50E 22+00N B	1	25	27	37	.6	7	7	223	8.93	16	5	ND	1	4	1	2	3	194	.05	.103	3	30	.35	23	.07	2	2.35	.01	.03	2	240
L128+50E 19+75N A P	1	13	8	22	.1	9	3	426	1.80	4	5	ND	1	8	1	2	2	65	.34	.034	2	13	.18	54	.10	3	.47	.01	.04	1	14
L128+50E 19+75N B	1	47	23	62	.3	22	12	268	7.31	22	5	ND	1	7	1	4	2	150	.15	.068	5	66	.54	74	.21	4	3.02	.01	.03	1	4
L128+50E 19+00N A	1	64	15	37	.1	20	8	274	1.57	5	5	ND	1	30	1	2	2	35	.74	.067	12	12	.10	253	.05	3	1.43	.01	.04	1	12
L128+50E 19+00N B	1	37	17	64	.1	15	10	303	5.05	14	5	ND	1	12	1	2	2	117	.27	.069	9	29	.38	102	.14	2	2.22	.01	.02	1	16
L128+50E 18+75N A P	1	10	26	38	.1	5	1	377	.29	2	5	ND	1	14	1	2	2	5	.61	.081	2	1	.06	45	.01	6	.21	.01	.05	1	8
L128+50E 18+75N B	1	65	7	46	.1	14	8	343	6.19	18	5	ND	1	10	1	2	2	106	.08	.049	9	39	.82	91	.21	2	2.91	.01	.04	3	8
L129+00E 19+50N B	1	43	9	39	.1	13	10	371	6.54	18	5	ND	1	6	1	2	2	135	.13	.069	9	40	.55	77	.22	6	2.43	.01	.03	2	30
L129+50E 18+00N A P	1	8	37	29	.1	8	2	1929	1.14	2	5	ND	1	10	1	2	2	28	.44	.092	2	7	.23	50	.04	6	.53	.01	.08	1	12
L129+50E 18+00N B	1	59	13	46	.1	20	11	422	5.39	10	5	ND	2	7	1	4	5	115	.16	.086	11	46	.46	42	.19	3	3.88	.01	.04	3	14
L130+50E 22+50N A	56	133	282	70582 ✓	.9	50	9	558	2.86	21	5	ND	1	12	11	2	9	56	.28	.378	6	95	.69	63	.07	2	1.86	.02	.08	2	8
L130+50E 22+50N B	5	113	10	3061	.4	13	10	257	6.97	14	5	ND	2	6	1	2	5	93	.17	.212	15	47	.45	42	.10	2	8.32	.01	.02	1	6
L133+50E 20+75N B	1	25	10	49	.2	7	7	271	6.73	2	5	ND	1	7	1	2	2	261	.35	.037	11	34	.44	30	.69	4	1.41	.01	.02	1	1
L133+50E 21+00N A P	1	44	17	32	.1	15	10	1277	.80	2	5	ND	1	38	1	2	3	14	.56	.072	16	5	.22	113	.03	3	1.98	.01	.07	3	1
L133+50E 21+00N B	2	52	15	63	.2	16	18	608	5.58	7	5	ND	1	11	1	2	2	149	.32	.052	13	30	.42	46	.31	2	2.50	.01	.02	1	6
L133+50E 20+75N A	1	18	16	40	.2	7	4	303	2.53	2	5	ND	1	12	1	2	2	107	.43	.049	4	15	.35	68	.25	3	.65	.01	.06	1	1
L134+00E 20+00N A P	1	7	13	20	.1	2	1	229	.15	2	5	ND	1	10	1	2	2	4	.25	.034	2	1	.02	36	.01	2	.08	.01	.02	2	1
L134+00E 20+00N B	1	86	10	66	.1	20	12	346	6.25	10	5	ND	1	8	1	2	2	113	.47	.095	8	61	.61	36	.23	4	4.40	.01	.02	3	36
L135+50E 21+00N A P	1	20	7	31	.4	7	3	35	.71	2	5	ND	1	24	1	2	2	16	.52	.058	2	5	.11	39	.02	2	.45	.01	.03	1	4
L135+50E 21+00N B	4	647	4	56	.1	56	19	426	6.70	31	5	ND	1	10	1	2	5	131	1.03	.077	6	72	1.13	72	.22	3	6.14	.01	.03	13	34
L135+50E 21+00N C	4	676	9	61	.3	60	22	495	6.86	29	5	ND	1	11	1	2	6	134	1.21	.080	7	69	1.25	81	.25	6	5.30	.02	.03	13	58
L139+70E 14+20N A	1	34	14	37	.1	10	4	46	1.14	6	5	ND	1	19	1	2	2	33	.54	.067	2	8	.10	129	.04	4	.72	.01	.05	2	12
L139+70E 14+20N B	1	126	13	79	.1	32	17	383	6.52	17	5	ND	1	9	1	2	2	164	.37	.055	7	37	.67	81	.20	2	3.87	.01	.03	2	12
STD C/AU 0.5	18	57	36	127	7.2	67	27	1004	3.91	37	16	7	31	45	16	15	20	57	.48	.092	37	53	.88	174	.08	40	1.72	.06	.12	14	500

✓ re checked.

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L323E 249+85N	1	35	2	74	.1	13	9	385	4.91	4	5	ND	1	15	1	2	2	107	.22	.100	4	37	.73	47	.25	2	3.26	.01	.03	1	9
L323E 249+75N	1	69	2	79	.2	24	15	446	5.01	7	5	ND	1	16	1	2	4	118	.21	.067	3	49	1.05	61	.19	2	3.88	.01	.04	2	6
L323E 249+50N	1	29	2	80	.3	17	10	418	4.30	5	5	ND	1	16	1	3	2	107	.20	.053	5	54	1.07	42	.22	2	3.32	.01	.02	1	4
L323E 249+25N	1	48	5	69	.5	8	8	279	4.31	5	5	ND	2	17	1	2	2	105	.21	.083	5	35	.49	38	.19	2	3.51	.01	.03	1	5
L323E 249+00N	1	40	3	64	.4	9	8	296	3.49	3	5	ND	1	17	1	3	2	85	.21	.067	4	27	.49	40	.19	2	2.82	.01	.03	1	9
L323E 248+75N	1	43	2	98	.3	28	13	521	5.06	3	5	ND	2	15	1	2	4	131	.18	.084	3	67	1.74	52	.12	2	3.93	.01	.04	1	2
L323E 248+50N	1	76	2	76	.3	25	14	459	5.06	9	5	ND	1	16	1	2	4	126	.23	.052	4	49	1.15	91	.26	4	5.12	.01	.04	2	7
L323E 248+25N	1	151	4	81	.3	18	16	430	5.00	33	5	ND	1	14	1	2	4	131	.19	.074	2	34	.71	54	.22	6	4.56	.01	.04	1	27
L323E 248+00N	1	67	5	55	.4	13	10	319	4.55	4	5	ND	1	16	1	2	2	118	.21	.050	3	28	.69	30	.16	3	2.85	.01	.03	2	23
L323E 247+75N	1	68	3	85	.2	26	16	439	4.75	6	5	ND	1	20	1	3	2	124	.21	.033	5	49	1.35	67	.19	5	3.71	.01	.04	2	15
L323E 247+50N	1	68	2	70	.1	16	12	324	4.36	6	5	ND	1	16	1	3	2	114	.19	.053	5	26	.70	73	.13	2	2.83	.01	.04	1	6
L323E 247+25N	1	71	2	74	.1	19	14	386	4.17	8	6	ND	1	17	1	3	4	105	.20	.042	6	31	.86	81	.14	4	3.31	.01	.03	1	4
L323+50E 249+85N	1	43	2	102	.2	20	16	678	4.53	5	5	ND	1	21	1	2	2	106	.33	.078	11	32	.91	87	.14	2	3.17	.01	.04	3	9
L323+50E 249+75N	1	55	10	94	.1	13	12	455	4.87	8	5	ND	2	16	1	4	2	111	.20	.082	6	32	.79	46	.21	4	3.97	.01	.03	3	8
L323+50E 249+50N	1	42	6	99	.1	12	10	348	4.51	6	5	ND	1	17	1	2	2	109	.23	.066	4	32	.68	48	.23	3	3.66	.02	.03	1	28
L323+50E 249+25N	1	23	3	77	.3	9	6	276	3.87	8	5	ND	1	18	1	2	2	100	.20	.046	5	24	.50	41	.17	2	2.48	.01	.03	1	9
L323+50E 249+00N	1	51	6	131	.3	21	14	583	4.73	5	5	ND	1	18	1	2	2	118	.23	.082	5	47	1.16	87	.16	5	4.05	.01	.05	2	23
L323+50E 248+75N	1	69	2	126	.2	21	19	978	4.53	9	5	ND	1	13	1	2	2	101	.18	.068	6	40	1.40	91	.09	4	3.53	.01	.07	2	4
L323+50E 248+50N	1	39	4	128	.2	19	17	919	4.62	5	5	ND	2	24	1	2	2	107	.26	.051	5	42	.98	89	.26	2	3.37	.01	.04	1	12
L323+50E 248+25N	1	184	8	106	.4	23	20	409	7.14	11	5	ND	1	18	1	15	2	180	.17	.084	3	34	.89	82	.14	4	5.75	.01	.05	3	6
L323+50E 248+00N	1	81	2	80	.5	13	13	333	5.45	8	5	ND	1	16	1	2	2	127	.17	.054	2	32	.75	54	.11	4	3.56	.01	.03	1.	9
L323+50E 247+75N	1	102	6	92	.1	28	17	490	5.03	3	5	ND	1	19	1	2	2	129	.24	.066	4	46	1.13	103	.22	2	4.64	.02	.06	1	5
L323+50E 247+50N	1	37	8	55	.1	11	8	320	4.02	5	5	ND	1	18	1	2	2	118	.22	.035	5	31	.69	58	.15	2	2.41	.01	.03	1	7
L323+50E 247+25N	1	78	5	70	.1	22	15	458	4.61	11	5	ND	1	16	1	2	3	112	.18	.035	6	42	1.32	118	.13	3	3.70	.01	.06	1	13
L324E 249+85N	1	29	14	114	.2	11	9	327	4.23	4	5	ND	1	24	1	2	2	109	.21	.043	6	36	.70	54	.17	2	3.10	.01	.03	1	7
L324E 249+75N	1	45	9	109	.2	14	10	397	4.45	9	5	ND	1	17	1	4	2	109	.21	.055	7	36	.65	56	.18	5	3.57	.01	.03	3	8
L324E 249+50N	1	58	2	98	.2	15	12	398	5.22	12	5	ND	2	15	1	2	2	121	.18	.076	4	38	.67	62	.16	2	4.79	.01	.04	2	30
L324E 249+25N	1	25	8	63	.1	7	7	319	4.32	2	5	ND	1	15	1	2	2	96	.18	.105	4	25	.52	30	.14	2	3.18	.01	.03	1	14
L324E 249+00N	1	37	2	107	.1	13	10	358	4.84	3	5	ND	1	17	1	2	2	99	.19	.110	5	36	.72	57	.17	2	3.88	.01	.04	1	11
L324E 248+75N	1	42	8	98	.1	14	10	331	5.34	12	5	ND	1	16	1	2	2	116	.20	.105	4	35	.77	50	.25	4	3.73	.01	.03	1	12
L324E 248+50N	1	55	8	120	.2	16	12	420	4.79	6	5	ND	1	17	1	3	2	122	.21	.056	6	35	.75	73	.24	2	3.65	.02	.05	1	8
L324E 248+25N	1	46	5	59	.1	13	10	314	5.42	8	5	ND	1	15	1	2	2	131	.22	.113	5	36	.62	44	.26	4	3.93	.01	.03	2	2
L324E 248+00N	1	47	3	100	.3	17	12	416	5.25	6	5	ND	2	18	1	5	2	125	.21	.086	4	48	1.04	52	.19	2	4.22	.01	.04	1	10
L324E 247+75N	1	53	3	94	.1	23	14	441	5.17	8	5	ND	1	22	1	3	2	122	.24	.057	7	50	1.29	62	.25	4	4.11	.01	.04	1	9
L324E 247+50N	1	73	7	87	.1	22	14	395	4.44	8	5	ND	1	18	1	3	2	111	.23	.033	6	42	1.07	70	.14	5	3.84	.01	.04	1	10
L324E 247+25N	1	98	6	79	.1	24	17	503	4.59	6	5	ND	2	18	1	2	3	111	.22	.059	6	36	1.19	182	.19	2	4.26	.01	.07	1	7
STD C/AU 0.5	21	59	35	133	7.0	69	30	1104	3.96	37	17	7	34	49	17	16	22	64	.48	.105	39	59	.88	182	.09	37	1.72	.07	.13	15	495

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L324+50E 249+85N	1	38	6	67	.3	14	7	295	4.21	3	5	ND	1	17	1	2	2	99	.18	.111	8	36	.55	44	.15	2	3.92	.01	.04	1	6
L324+50E 249+75N	1	28	6	73	.1	10	6	372	4.33	4	5	ND	1	19	1	2	2	95	.19	.100	10	38	.44	38	.15	3	4.02	.01	.03	3	3
L324+50E 249+50N	1	36	6	36	.3	10	6	234	3.51	2	5	ND	2	19	1	2	2	91	.21	.050	8	31	.42	30	.15	5	2.65	.01	.03	1	8
L324+50E 249+25N	1	37	4	86	.1	16	10	251	4.48	4	5	ND	1	22	1	2	2	106	.23	.065	10	35	.71	53	.22	5	3.70	.01	.04	3	6
L324+50E 249+00N	1	23	2	53	.1	12	7	280	3.78	3	5	ND	1	22	1	2	2	103	.25	.044	7	28	.64	40	.22	4	2.61	.01	.04	1	7
L324+50E 248+75N	1	29	13	107	.1	13	21	803	5.34	5	5	ND	1	22	1	2	2	125	.29	.107	11	33	.77	71	.19	3	3.18	.01	.04	3	7
L324+50E 248+50N	1	57	3	157	.1	18	15	705	4.92	9	5	ND	1	17	1	2	2	109	.24	.070	7	31	.81	66	.15	7	3.64	.01	.04	1	12
L324+50E 248+25N	1	37	5	76	.2	14	7	323	5.18	5	5	ND	1	14	1	2	2	113	.17	.142	5	37	.73	40	.16	2	3.97	.01	.04	2	4
L324+50E 248+00N	1	98	4	121	.1	19	19	807	7.58	12	5	ND	1	8	1	3	8	150	.08	.066	6	28	1.04	74	.01	8	4.99	.01	.06	1	1
L324+50E 247+75N	1	41	3	64	.1	17	8	308	4.28	2	5	ND	1	22	1	2	2	113	.24	.047	5	33	.74	51	.15	2	3.10	.01	.04	1	5
L324+50E 247+50N	1	30	2	114	.3	13	12	617	4.32	6	6	ND	1	15	1	2	2	94	.31	.095	12	24	.68	150	.01	5	2.81	.01	.07	1	4
L324+50E 247+25N	1	66	4	89	.2	26	15	436	4.90	2	5	ND	1	18	1	2	4	109	.28	.090	6	43	.93	112	.19	6	4.26	.02	.06	2	12
L325E 249+85N	1	59	8	62	.1	20	11	366	4.63	4	5	ND	2	20	1	2	3	116	.21	.061	7	45	.92	53	.19	6	3.45	.01	.05	1	9
L325E 249+50N	1	27	10	47	.2	10	6	248	4.40	5	5	ND	1	18	1	2	2	112	.17	.067	6	36	.46	37	.14	3	2.98	.01	.03	1	2
L325E 249+25N	1	72	12	60	.1	19	12	443	4.81	7	5	ND	2	16	1	2	6	108	.19	.113	5	47	.97	43	.21	3	4.89	.01	.04	3	5
L325+50E 249+85N	1	54	8	61	.1	18	11	352	5.02	2	5	ND	2	22	1	2	3	123	.22	.047	6	38	.80	55	.24	5	3.92	.01	.04	1	2
L325+50E 249+75N	1	31	10	55	.2	14	7	315	4.38	4	6	ND	1	17	1	2	2	108	.22	.067	6	29	.45	47	.19	4	2.79	.01	.03	1	2
L325+50E 249+50N	1	50	7	49	.1	16	9	332	4.84	4	5	ND	1	17	1	2	2	119	.21	.058	7	37	.67	39	.20	5	3.57	.01	.04	2	4
L325+50E 249+25N	1	24	11	67	.1	14	8	308	5.17	7	5	ND	2	18	1	3	2	117	.18	.095	9	47	.56	41	.20	6	3.97	.01	.04	4	195
L325+50E 249+00N	1	45	10	84	.1	17	11	384	4.62	4	5	ND	1	19	1	2	2	107	.22	.083	5	36	.90	49	.20	4	3.97	.01	.04	1	5
L325+50E 248+75N	1	49	6	89	.1	16	12	502	4.83	4	5	ND	2	17	1	2	3	109	.20	.124	6	37	.75	53	.23	4	4.64	.01	.04	1	4
L325+50E 248+50N	1	49	13	51	.1	8	18	1562	5.52	9	5	ND	1	7	1	5	2	72	.16	.029	8	9	.08	133	.01	8	.91	.01	.06	1	3
L325+50E 248+25N	1	56	7	84	.2	14	11	371	5.41	9	5	ND	2	18	1	2	4	120	.22	.098	5	44	.90	40	.23	2	4.26	.02	.04	1	10
L325+50E 248+00N	1	66	11	171	.2	21	15	404	6.84	25	5	ND	2	12	1	2	2	115	.15	.101	7	34	.58	71	.07	2	3.95	.01	.05	2	3
L325+50E 247+75N	1	69	14	146	.5	26	17	506	5.49	20	5	ND	1	19	1	2	3	98	.27	.041	9	33	1.01	99	.14	6	3.17	.02	.05	2	8
L325+50E 247+50N	1	30	11	62	.3	10	8	283	4.10	4	5	ND	1	18	1	2	2	114	.21	.034	6	28	.51	53	.15	2	2.54	.01	.03	1	64
L325+50E 247+25N	1	45	11	90	.1	14	10	370	4.96	8	5	ND	1	14	1	2	2	122	.16	.099	8	32	.71	50	.06	2	3.06	.01	.03	1	34
L326E 249+85N	1	48	8	68	.2	16	9	350	5.95	2	5	ND	2	15	1	2	2	125	.19	.136	6	43	.65	53	.22	3	4.84	.01	.04	1	3
L326E 249+75N	1	35	12	45	.1	9	7	231	5.86	4	5	ND	2	12	1	3	2	121	.13	.166	8	38	.32	39	.17	3	4.66	.01	.04	3	5
L326E 249+50N	1	38	6	48	.1	10	8	275	5.57	8	5	ND	2	16	1	4	2	131	.18	.161	8	36	.52	41	.22	6	3.91	.01	.04	2	4
L326E 249+25N	1	37	7	47	.1	13	7	319	4.65	2	5	ND	2	21	1	2	2	121	.23	.064	6	32	.49	38	.21	2	3.08	.01	.03	1	3
L327E 249+85N	1	48	10	65	.2	16	9	348	5.34	6	5	ND	2	16	1	2	2	119	.20	.114	7	43	.58	49	.14	3	4.75	.02	.04	1	3
L327E 249+75N	1	42	11	55	.1	19	8	247	6.65	2	5	ND	2	16	1	2	2	137	.16	.177	5	70	.61	33	.16	2	5.17	.01	.04	1	1
L327E 249+50N	1	53	4	70	.1	21	10	379	5.17	5	5	ND	2	20	1	2	2	119	.21	.128	8	56	.73	42	.20	2	4.64	.01	.03	3	3
L327E 249+25N	1	50	7	75	.2	16	9	387	5.50	2	5	ND	3	20	1	2	2	114	.19	.180	6	52	.99	48	.27	2	5.03	.02	.05	1	2
STD C/AU 0.5	21	58	36	133	7.0	71	30	1100	3.96	36	20	8	34	49	17	17	21	64	.48	.104	38	61	.88	181	.09	37	1.72	.07	.14	14	510

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L328E 249+85N	2	46	16	101	.2	17	15	693	4.45	5	6	ND	1	17	1	2	2	122	.20	.078	2	32	.70	64	.08	10	4.83	.01	.04	1	1
L328E 249+75N	2	53	17	72	.3	13	15	1331	4.06	4	5	ND	1	17	1	2	2	94	.21	.137	2	41	.58	48	.15	7	5.09	.01	.03	1	3
L328E 249+50N	2	76	17	59	.3	22	15	539	4.48	9	5	ND	2	18	1	2	5	111	.23	.085	3	49	.92	70	.21	7	4.50	.01	.04	1	4
L328E 249+25N	2	55	11	60	.1	15	12	1150	4.98	7	5	ND	2	19	1	2	2	111	.23	.192	2	48	.63	46	.18	2	4.47	.01	.03	1	2
L328E 249+00N	1	54	9	70	.1	14	10	321	4.78	9	5	ND	2	23	1	2	2	106	.27	.095	2	42	.56	48	.18	5	4.08	.02	.03	1	3
L328E 248+75N	1	59	10	101	.4	31	16	342	6.18	12	5	ND	1	14	1	4	3	155	.14	.076	3	59	.70	78	.02	9	3.44	.01	.04	2	1
L328E 248+50N	1	37	10	68	.3	13	11	750	4.66	9	8	ND	1	19	1	2	2	112	.26	.109	2	33	.63	72	.18	3	2.75	.01	.04	1	150
L328E 248+25N	1	64	12	95	.3	23	15	496	5.11	16	5	ND	1	15	1	4	4	115	.22	.064	3	36	.88	87	.10	3	3.88	.01	.05	1	2
L328E 248+00N	1	39	13	97	.3	16	23	975	4.37	10	10	ND	1	19	1	3	2	94	.31	.076	7	28	.72	89	.15	4	3.25	.01	.05	1	3
L328E 247+75N	1	70	11	89	.3	21	13	388	5.50	13	5	ND	2	15	1	2	2	118	.23	.124	2	41	.84	68	.16	5	4.50	.01	.05	1	3
L328E 247+50N	1	32	7	66	.2	10	10	337	5.39	9	5	ND	1	18	1	2	2	127	.27	.058	2	32	.60	74	.15	3	2.90	.01	.04	1	2
L328E 247+25N	1	67	8	97	.2	19	14	446	4.85	12	5	ND	1	18	1	2	2	107	.28	.071	4	37	.97	74	.19	4	3.91	.02	.05	1	3
L329E 243+00N	1	50	14	61	.2	17	11	409	6.04	15	5	ND	2	19	1	2	2	144	.23	.133	2	36	.75	70	.18	5	3.36	.01	.05	1	7
L329E 242+50N	2	48	5	40	.1	11	7	313	4.78	7	5	ND	2	9	1	2	2	93	.12	.226	2	40	.38	38	.12	4	7.84	.01	.03	1	3
L329E 242+00N	1	52	12	67	.1	21	15	417	6.56	13	5	ND	1	12	1	2	3	147	.15	.114	2	41	.86	55	.10	6	4.09	.01	.04	1	5
L329E 241+50N	1	37	11	49	.1	11	9	333	6.10	6	5	ND	1	18	1	2	2	168	.19	.083	2	34	.61	39	.18	7	3.27	.01	.03	1	18
L329E 241+00N	1	52	9	54	.1	13	9	326	5.46	9	5	ND	1	15	1	2	2	123	.17	.116	2	43	.62	40	.11	5	3.36	.01	.03	1	5
L329E 240+50N	1	35	9	67	.4	22	11	318	5.07	5	5	ND	1	24	1	2	3	153	.16	.060	2	76	.79	43	.05	3	4.00	.01	.02	1	1
L329E 239+50N	1	67	11	61	.4	18	10	351	4.99	11	5	ND	2	15	1	2	2	114	.16	.093	3	42	.73	45	.15	4	4.04	.01	.04	1	3
L329E 239+00N	1	18	5	32	.2	10	7	441	3.70	5	5	ND	1	60	1	2	2	119	.44	.046	3	30	.54	38	.36	3	1.72	.01	.05	1	2
L329E 238+50N	1	15	5	39	.2	6	6	454	2.55	5	5	ND	1	59	1	2	2	72	.34	.029	4	20	.49	45	.20	3	1.62	.01	.04	1	4
L329E 238+00N	1	40	9	63	.2	13	9	349	4.62	5	5	ND	1	21	1	3	2	94	.15	.070	3	32	.52	56	.16	6	3.95	.01	.03	1	3
L329E 237+50N	1	39	10	43	.1	10	7	374	4.02	5	5	ND	1	25	1	2	2	100	.18	.057	2	27	.49	39	.17	4	3.01	.01	.03	1	3
L329E 237+00N	1	40	10	33	.3	6	5	1151	3.30	3	5	ND	1	26	1	3	2	68	.13	.087	3	13	.29	44	.06	2	2.50	.01	.04	1	5
L329E 236+50N	1	13	5	36	.2	8	4	268	2.16	6	5	ND	1	29	1	3	2	64	.28	.047	4	17	.27	40	.14	3	1.57	.01	.02	1	2
L329E 236+00N	1	14	7	35	.3	11	6	301	2.66	3	5	ND	1	23	1	2	2	75	.20	.035	3	20	.38	29	.11	6	1.84	.01	.03	1	1
L329E 235+50N	1	45	9	73	.4	14	11	371	4.02	8	5	ND	1	19	1	4	2	90	.18	.081	4	35	.70	52	.15	7	4.16	.01	.04	1	3
L329E 235+00N	1	45	9	83	.6	18	11	363	4.03	7	5	ND	1	20	1	2	4	92	.19	.085	3	33	.75	71	.18	7	3.65	.01	.04	1	2
L331E 243+00N	2	36	7	120	.1	16	12	400	6.40	11	5	ND	1	17	1	3	2	144	.32	.091	7	32	.70	78	.23	6	3.11	.01	.04	2	4
L331E 242+50N	1	88	20	217	.4	17	36	881	7.31	6	10	ND	4	18	1	2	2	153	.21	.116	8	41	.98	85	.38	6	4.67	.01	.06	1	2
L331E 242+00N	1	73	9	76	1.2	27	21	658	5.39	12	5	ND	1	23	1	3	2	107	.51	.086	6	42	.85	113	.18	8	4.33	.01	.05	1	3
L331E 241+50N	1	51	11	71	.2	22	14	415	5.20	13	5	ND	2	15	1	2	2	94	.25	.042	5	39	.92	75	.21	4	4.11	.01	.04	1	2
L331E 241+00N	1	49	6	68	.1	19	14	381	5.57	9	5	ND	1	14	1	4	2	134	.19	.039	6	43	.73	64	.21	6	4.87	.01	.04	1	2
L331E 240+50N	1	68	8	71	.2	19	13	520	5.37	12	5	ND	2	18	1	17	2	111	.16	.142	8	58	.67	55	.21	6	6.25	.01	.05	4	2
L331E 239+50N	1	53	12	61	.1	17	10	354	6.51	9	5	ND	2	18	1	2	2	143	.16	.124	3	47	.83	46	.20	4	4.80	.01	.03	1	3
L331E 239+00N	1	71	13	70	.1	27	17	550	6.07	12	5	ND	1	20	1	3	3	115	.20	.129	5	48	1.44	72	.23	4	3.94	.01	.07	1	3
STD C/AU 0.5	21	56	35	129	7.0	67	29	1070	3.97	42	22	7	33	47	17	16	21	62	.48	.099	35	58	.88	177	.08	39	1.72	.06	.13	15	485

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L331E 238+50N	1	35	13	40	.1	12	9	304	7.11	7	5	ND	2	18	1	2	2	171	.17	.102	5	44	.59	40	.28	5	3.74	.01	.03	1	6
L331E 238+00N	1	46	12	58	.2	14	9	379	6.97	8	5	ND	3	14	1	2	2	135	.14	.182	4	47	.57	44	.20	5	5.53	.01	.04	1	7
L331E 237+50N	1	45	17	44	.3	12	10	292	8.59	11	5	ND	3	14	1	2	4	179	.14	.152	4	60	.58	43	.30	2	5.15	.01	.04	2	5
L331E 237+00N	1	60	12	67	.1	21	12	414	4.62	2	5	ND	2	20	1	2	2	106	.18	.093	5	48	.98	64	.23	5	4.54	.01	.06	1	4
L331E 236+50N	1	51	9	61	.2	21	10	394	4.80	6	5	ND	2	26	1	2	2	118	.21	.082	4	46	.76	51	.22	6	4.05	.01	.04	1	2
L331E 236+00N	1	50	7	55	.1	20	9	335	5.33	7	5	ND	2	20	1	2	2	116	.18	.141	5	52	.81	45	.21	2	5.16	.01	.03	1	1
L331E 235+50N	1	39	12	59	.2	15	9	355	4.41	7	5	ND	2	25	1	2	2	112	.20	.080	5	39	.73	54	.24	5	3.92	.01	.04	1	8
L331E 235+00N	1	39	7	48	.1	15	8	265	4.40	7	5	ND	1	22	1	2	2	113	.18	.067	4	34	.61	44	.13	2	3.63	.01	.03	1	2
L333E 243+00N	1	10	6	26	.1	6	5	157	4.31	5	5	ND	1	13	1	2	2	136	.17	.049	6	24	.24	26	.13	3	1.71	.01	.03	2	12
L333E 242+50N	6	65	14	221	.7	35	28	11235	4.22	5	6	ND	1	27	5	2	4	99	.43	.063	27	40	.90	218	.15	6	4.49	.02	.06	1	3
L333E 242+00N	1	65	14	93	.2	22	13	348	5.18	10	5	ND	2	16	1	2	5	109	.23	.099	6	47	.88	86	.17	9	5.28	.01	.05	1	4
L333E 241+50N	2	78	17	147	.2	34	14	460	5.21	13	5	ND	2	16	1	2	2	102	.24	.052	7	50	.90	67	.17	2	5.39	.01	.06	1	2
L333E 241+00N	4	20	19	39	.6	10	8	237	8.52	21	8	ND	3	11	1	2	5	190	.17	.082	5	34	.35	51	.23	4	2.15	.01	.04	2	8
L333E 240+50N	1	33	9	32	.1	10	7	304	5.47	7	5	ND	2	11	1	2	2	148	.15	.070	6	30	.42	40	.19	4	2.80	.01	.04	1	4
L333E 239+50N	1	39	16	37	.3	11	8	229	4.51	3	5	ND	1	14	1	4	2	115	.17	.076	8	27	.31	70	.14	3	2.96	.01	.05	2	6
L333E 239+00N	1	50	23	69	.4	18	11	495	7.53	9	6	ND	2	18	1	4	2	124	.21	.058	7	44	.75	97	.22	2	3.92	.01	.05	1	7
L333E 238+50N	1	75	9	70	.4	23	14	455	7.13	11	8	ND	3	17	1	2	2	122	.18	.054	2	58	.95	76	.22	3	5.07	.01	.05	1	14
L333E 238+00N	1	41	5	49	.3	14	9	380	5.90	8	5	ND	2	22	1	2	2	123	.22	.043	2	39	.62	50	.22	5	3.72	.01	.03	1	5
L333E 237+50N	1	30	17	36	.3	5	8	301	9.06	7	6	ND	2	26	1	2	5	179	.15	.079	2	39	.33	48	.20	4	3.29	.01	.04	1	5
L333E 237+00N	1	46	9	59	.1	18	13	1328	8.14	3	8	ND	2	37	1	2	3	179	.17	.282	2	55	.94	70	.24	3	3.71	.01	.05	1	2
L333E 236+50N	1	42	18	72	.2	18	13	619	5.98	8	5	ND	2	27	1	2	4	120	.20	.145	3	39	.77	79	.13	6	3.31	.01	.04	2	8
L333E 236+00N	1	14	8	27	.1	5	6	205	5.78	7	5	ND	1	21	1	3	2	152	.13	.108	2	23	.29	33	.16	2	1.72	.01	.02	1	4
L333E 235+50N	1	66	13	68	.1	16	12	464	6.09	15	5	ND	2	20	1	3	2	122	.15	.166	2	35	.66	83	.14	2	3.86	.01	.05	1	9
L333E 235+00N	1	73	10	79	.2	23	14	457	6.44	16	5	ND	3	26	1	2	2	139	.21	.056	2	54	1.07	68	.25	3	5.12	.01	.05	1	6
L337E 243+00N	1	56	10	61	.4	13	10	343	6.27	56	5	ND	2	13	1	2	2	115	.15	.159	2	37	.65	52	.18	4	4.44	.01	.04	1	18
L337E 242+50N	1	76	8	107	.4	24	14	423	5.24	31	5	ND	2	19	1	2	2	118	.21	.058	3	42	1.00	112	.22	7	4.23	.01	.05	1	8
L337E 242+00N	1	29	10	77	.3	12	9	272	6.31	61	5	ND	2	18	1	2	2	160	.19	.075	4	30	.40	105	.19	2	2.85	.01	.03	1	5
L337E 241+50N	1	55	9	69	.2	17	11	402	5.02	7	5	ND	2	18	1	2	2	119	.21	.052	3	38	.70	66	.19	4	3.84	.01	.05	1	7
L337E 241+00N	1	82	7	71	.3	21	16	718	5.10	12	5	ND	2	17	1	4	2	111	.25	.119	5	40	.91	75	.17	6	4.84	.01	.05	2	8
L337E 240+50N	1	6	7	21	.1	6	5	254	3.87	2	5	ND	1	13	1	2	2	111	.13	.067	5	14	.14	18	.17	2	1.74	.01	.02	1	2
L337E 239+50N	2	57	15	72	.1	22	13	676	5.25	11	5	ND	2	18	1	3	3	102	.20	.675	6	36	1.02	68	.21	7	3.81	.01	.05	1	3
L337E 239+00N	2	49	14	63	.2	16	8	463	4.48	12	5	ND	2	13	1	3	2	111	.20	.108	9	30	.46	53	.13	2	3.56	.01	.04	1	4
L337E 238+50N	11	205	11	102	1.0	38	17	565	5.93	12	5	ND	2	15	1	2	2	118	.20	.147	13	47	.94	76	.19	2	4.93	.01	.06	1	235
L337E 238+00N	32	79	36	171	.4	17	14	573	9.88	29	5	ND	4	10	1	3	7	198	.08	.193	5	53	.83	91	.19	7	4.44	.01	.04	1	6
L337E 237+50N	2	42	17	132	.3	17	14	394	5.75	10	5	ND	2	15	1	2	2	146	.21	.073	15	30	.42	173	.20	2	3.75	.01	.04	1	7
L337E 237+00N	1	90	18	74	.4	22	13	522	6.59	24	5	ND	4	14	1	3	2	122	.17	.047	5	50	.85	95	.22	4	5.48	.01	.06	1	5
STD C/AU 0.5	20	60	36	126	7.2	68	29	1043	3.93	37	19	8	32	46	16	15	21	60	.48	.097	37	57	.88	170	.08	38	1.72	.06	.13	15	505

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L337E 236+50N	1	51	8	70	.3	13	11	396	5.36	13	5	ND	1	18	1	2	2	108	.21	.051	10	37	.57	131	.21	2	3.75	.01	.05	1	5
L337E 236+00N	1	24	17	51	.2	10	10	325	8.36	21	5	ND	2	17	1	2	2	186	.20	.069	8	37	.41	98	.26	2	2.37	.01	.05	1	1
L337E 235+50N	1	45	16	67	.4	16	30	2920	5.98	15	5	ND	1	25	1	2	2	134	.30	.088	15	33	.63	396	.17	4	3.13	.01	.06	1	8
L337E 235+00N	1	52	32	139	.2	12	13	1114	7.36	25	5	ND	2	12	1	2	3	112	.11	.141	12	28	.53	84	.07	2	3.22	.01	.07	1	3
L339E 243+00N	1	47	5	52	.2	15	11	357	4.57	13	5	ND	1	30	1	2	2	125	.27	.036	9	34	.84	85	.13	2	3.87	.01	.05	1	1
L339E 242+50N	1	171	17	87	.1	24	22	531	5.09	16	5	ND	2	26	1	2	3	113	.21	.055	17	37	.97	136	.10	6	5.43	.01	.06	1	1
L339E 242+00N	1	57	8	76	.2	14	11	377	5.28	14	5	ND	2	25	1	2	2	133	.28	.064	11	37	.74	63	.19	4	3.64	.01	.04	1	2
L339E 241+50N	1	30	7	47	.4	9	7	281	4.10	12	5	ND	1	22	1	2	2	116	.23	.038	10	23	.52	50	.16	2	2.54	.01	.04	1	3
L339E 241+00N	1	83	15	120	.4	26	23	1161	5.76	21	5	ND	2	24	1	3	2	139	.24	.092	15	42	.87	242	.12	2	4.62	.01	.08	1	11
L339E 240+50N	1	61	46	336	.6	27	22	753	5.70	31	5	ND	1	23	1	2	2	127	.26	.057	16	32	.93	212	.09	2	4.18	.01	.06	1	1
L339E 239+50N	1	23	8	71	.3	5	8	326	5.18	10	5	ND	1	28	1	2	3	110	.41	.070	14	18	.45	190	.02	4	3.17	.01	.04	1	1
L339E 239+00N	1	70	13	129	.2	12	13	416	5.47	15	5	ND	1	16	1	2	2	108	.19	.064	15	20	.48	150	.02	2	4.07	.01	.07	1	1
L339E 238+50N	1	61	10	111	.2	21	18	733	6.36	18	5	ND	2	23	1	2	2	126	.25	.087	21	40	.74	106	.20	3	4.93	.01	.05	1	3
L339E 238+00N	3	74	19	114	.1	26	14	506	7.34	47	5	ND	3	15	1	2	4	128	.19	.064	17	45	.85	102	.14	3	5.22	.01	.05	1	5
L339E 237+50N	12	48	26	148	.5	15	15	917	11.66	73	5	ND	3	11	1	3	9	271	.13	.370	19	42	.52	86	.29	5	3.59	.01	.05	1	3
L339E 237+00N	10	32	24	99	.5	9	13	1154	6.16	50	5	ND	1	13	1	3	2	156	.12	.101	14	37	.31	90	.10	5	2.39	.01	.04	1	3
L339E 236+50N	1	37	10	86	.3	11	11	438	6.08	18	5	ND	2	29	1	2	2	141	.22	.079	9	36	.65	75	.17	5	3.61	.01	.04	1	6
L339E 236+00N	11	55	33	237	.8	17	62	5496	5.16	62	5	ND	1	24	1	2	2	100	.24	.087	42	35	.61	290	.14	3	3.69	.01	.05	1	1
L339E 235+50N	4	140	21	336	.4	70	28	825	6.83	151	5	ND	2	17	1	2	6	112	.21	.090	16	48	1.30	163	.16	4	5.74	.01	.09	1	3
L339E 235+00N	9	25	14	81	.1	8	11	503	7.63	29	5	ND	2	15	1	3	2	196	.12	.130	9	37	.55	77	.23	2	3.28	.01	.04	1	1
L421E 329+00N	1	82	6	61	.1	15	13	394	4.62	11	5	ND	2	26	1	3	2	127	.37	.114	6	32	.77	76	.22	3	3.70	.02	.07	1	8
L421E 328+50N	1	71	8	56	.1	13	13	393	4.81	15	5	ND	2	34	1	2	2	127	.34	.081	8	34	.85	57	.25	4	3.61	.02	.04	1	5
L421E 328+00N	1	50	6	52	.1	13	15	394	4.75	10	5	ND	1	33	1	2	2	137	.33	.034	10	32	.93	54	.28	6	3.63	.02	.05	1	5
L421E 327+50N	1	35	4	66	.1	14	15	606	3.72	7	5	ND	1	38	1	2	3	101	.44	.038	8	28	.96	65	.24	2	2.47	.02	.04	1	17
L421E 327+00N	1	41	3	37	.1	8	8	232	4.16	8	5	ND	1	29	1	2	2	119	.30	.045	8	30	.42	41	.21	2	3.97	.01	.03	1	5
L421E 326+50N	1	55	10	49	.1	9	10	291	5.38	7	5	ND	1	30	1	2	2	136	.30	.065	9	36	.66	34	.26	2	3.88	.01	.03	2	6
L421E 326+00N	1	59	5	38	.1	9	10	246	8.03	18	5	ND	4	17	1	55	2	164	.17	.512	11	66	.54	23	.28	4	6.75	.01	.04	1	1
L421E 325+50N	1	24	7	31	.1	2	6	201	5.20	6	5	ND	1	27	1	2	2	148	.23	.093	11	29	.32	24	.24	3	2.58	.01	.02	2	4
L421E 325+00N	1	41	5	34	.1	9	8	235	4.49	11	5	ND	1	29	1	2	2	136	.29	.035	11	31	.49	33	.20	2	3.19	.01	.03	1	2
L421E 324+50N	1	49	11	126	.1	14	10	466	5.65	15	5	ND	1	22	1	2	2	141	.20	.115	11	30	.66	51	.20	2	4.36	.01	.04	1	3
L421E 324+00N	1	32	12	66	.1	10	10	336	4.96	8	5	ND	1	33	1	2	2	122	.29	.053	11	34	.76	60	.24	7	3.11	.01	.04	1	2
L421E 323+50N	1	45	10	71	.1	12	11	379	5.12	8	5	ND	2	36	1	2	2	119	.32	.086	11	35	.82	53	.24	3	3.46	.01	.03	1	15
L421E 323+00N	1	46	11	68	.1	9	10	313	4.85	15	5	ND	2	28	1	2	3	113	.26	.106	13	33	.66	51	.17	3	4.42	.01	.03	1	6
L421E 322+50N	1	31	12	46	.1	9	10	237	5.47	12	5	ND	1	28	1	2	2	140	.25	.038	10	30	.51	88	.22	4	2.95	.01	.03	1	5
L421E 322+00N	1	66	9	62	.1	8	13	283	5.33	12	5	ND	1	29	1	3	2	114	.22	.039	10	25	.35	69	.11	2	3.34	.01	.04	1	26
L421E 321+50N	1	25	5	59	.1	8	6	237	3.81	4	5	ND	1	30	1	2	2	100	.27	.059	8	24	.40	48	.16	4	2.30	.01	.03	1	8
STD C/AU 0.5	21	57	37	133	7.0	68	30	1112	3.96	39	19	7	35	50	17	16	19	64	.48	.103	39	60	.88	185	.09	38	1.72	.07	.13	14	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L421E 321+00N	1	34	6	37	.1	13	10	262	4.83	7	5	ND	1	26	1	2	2	139	.23	.029	7	32	.61	60	.24	4	2.78	.01	.04	1	6
L421E 320+50N	1	47	4	62	.2	17	11	391	4.29	11	5	ND	1	25	1	2	2	115	.25	.045	10	29	.69	67	.20	4	2.81	.01	.04	1	14
L421E 319+50N	1	17	14	45	.1	11	7	417	3.08	10	5	ND	1	18	1	2	2	94	.17	.051	8	25	.75	39	.15	4	2.09	.01	.03	1	3
L421E 319+00N	1	102	8	68	.2	23	19	671	3.96	33	9	ND	1	26	1	2	3	97	.36	.088	12	34	1.41	91	.20	3	3.07	.02	.07	1	1
L421E 318+50N	1	45	4	59	.2	20	14	519	4.75	12	7	ND	1	22	1	2	3	127	.23	.050	7	39	1.13	80	.20	2	3.34	.01	.04	1	3
L421E 318+00N	1	35	4	50	.1	14	11	329	3.48	6	5	ND	1	31	1	2	2	95	.26	.055	9	29	.72	66	.20	2	2.55	.01	.04	1	1
L421E 317+50N	1	37	11	41	.1	15	10	306	3.15	7	6	ND	1	31	1	3	5	86	.25	.051	8	27	.68	67	.15	4	2.50	.01	.04	2	90
L421E 317+00N	1	40	4	43	.1	12	9	407	3.26	4	5	ND	1	34	1	2	4	87	.35	.151	7	26	.86	56	.16	3	2.32	.01	.04	1	10
L421E 316+50N	1	65	5	55	.1	22	14	369	3.82	3	5	ND	1	39	1	2	3	106	.34	.109	10	39	.97	88	.20	2	3.45	.01	.07	1	6
L421E 316+00N	1	61	4	56	.1	18	12	419	3.63	5	5	ND	1	40	1	2	6	98	.31	.112	8	42	.77	59	.25	8	3.33	.01	.04	1	4
L422E 329+00N	1	56	2	38	.1	12	11	288	3.94	8	5	ND	2	21	1	3	2	103	.26	.134	9	28	.65	43	.21	4	3.34	.02	.04	1	4
L422E 328+50N	1	64	2	43	.1	17	12	319	4.32	10	5	ND	1	27	1	2	2	111	.24	.057	11	41	.87	79	.22	5	4.03	.01	.06	1	1
L422E 328+00N	1	34	6	34	.1	7	8	192	4.25	9	5	ND	1	19	1	5	2	132	.18	.097	11	28	.36	29	.21	4	2.99	.01	.03	1	3
L422E 327+50N	1	60	10	55	.1	11	10	316	5.03	11	5	ND	2	17	1	3	2	115	.17	.207	8	38	.53	29	.21	5	5.19	.01	.03	1	1
L422E 327+00N	1	55	8	47	.1	11	10	554	6.06	13	5	ND	3	17	1	4	2	139	.16	.357	11	42	.54	29	.23	4	5.27	.01	.03	1	50
L422E 326+50N	1	81	5	68	.1	16	17	706	3.74	5	5	ND	1	43	1	2	5	94	.59	.116	9	31	1.37	60	.22	5	2.44	.02	.07	1	5
L423E 329+00N	1	63	3	49	.1	21	14	413	4.88	9	5	ND	1	21	1	2	2	114	.24	.072	11	34	.79	70	.21	5	4.27	.02	.06	1	5
L423E 328+50N	1	52	4	55	.2	13	10	531	4.72	9	5	ND	2	17	1	2	2	131	.19	.125	10	31	.44	43	.26	5	3.63	.02	.04	1	3
L423E 328+00N	1	135	4	39	.2	14	23	919	4.53	13	5	ND	2	15	1	2	3	111	.16	.073	13	29	.46	54	.18	3	3.92	.01	.04	2	10
L423E 327+50N	1	26	10	41	.1	7	7	279	4.79	9	5	ND	1	18	1	2	2	122	.19	.136	7	23	.35	48	.22	4	2.41	.01	.02	1	5
L423E 327+00N	1	36	10	57	.1	12	15	358	6.60	5	5	ND	1	27	1	2	5	168	.18	.077	9	31	.48	73	.37	2	3.61	.01	.04	1	5
L423E 326+50N	1	40	5	33	.1	10	9	308	4.59	4	5	ND	1	24	1	2	6	117	.24	.083	9	27	.61	38	.26	3	2.51	.01	.03	1	1
L423E 326+00N	1	90	5	63	.3	16	14	510	4.01	7	5	ND	1	30	1	2	2	120	.34	.111	11	31	.59	78	.20	4	3.79	.02	.05	1	2
L423E 325+50N	1	101	2	59	.1	18	14	511	4.12	11	5	ND	2	23	1	2	2	112	.27	.085	8	28	.81	167	.23	2	3.96	.02	.10	1	5
L423E 325+00N	1	42	6	37	.1	11	10	316	5.40	5	5	ND	1	35	1	2	2	174	.22	.097	9	31	.69	45	.30	2	2.73	.01	.05	1	5
L423E 324+50N	1	38	4	30	.2	8	7	210	4.69	6	5	ND	2	22	1	2	3	127	.19	.063	9	27	.45	35	.22	2	2.72	.01	.03	1	135
L423E 324+00N	1	59	7	45	.1	12	13	349	3.76	5	5	ND	1	26	1	2	2	112	.26	.046	10	25	.61	66	.21	2	2.65	.02	.04	1	10
L423E 323+50N	1	17	2	47	.2	10	13	333	3.32	4	6	ND	1	32	1	2	2	89	.40	.045	11	22	.49	60	.20	2	1.69	.01	.03	1	28
L423E 323+00N	1	22	3	74	.1	20	12	419	4.70	2	5	ND	1	41	1	2	4	131	.28	.055	8	58	1.15	41	.37	2	2.71	.01	.02	1	4
L423E 322+50N	1	28	2	48	.1	8	9	470	3.79	2	5	ND	1	29	1	2	2	104	.27	.049	9	26	.53	79	.19	2	2.32	.01	.03	1	55
L423E 322+00N	1	56	4	57	.1	8	9	311	4.01	4	5	ND	1	27	1	2	2	102	.25	.097	9	24	.54	42	.20	3	2.82	.01	.03	1	3
L423E 321+50N	1	37	7	67	.1	14	12	294	4.40	8	5	ND	1	32	1	2	2	123	.28	.040	9	30	.76	69	.30	3	2.64	.01	.04	1	1
L423E 321+00N	1	15	5	53	.1	3	6	248	3.40	5	5	ND	1	24	1	2	2	103	.22	.044	8	21	.42	53	.26	2	1.88	.01	.04	1	3
L423E 320+50N	1	43	4	85	.1	12	11	386	3.82	7	5	ND	1	23	1	2	2	88	.21	.081	8	23	.58	61	.22	2	3.11	.01	.04	1	3
L423E 319+50N	1	28	2	39	.2	8	6	408	3.19	5	5	ND	1	21	1	2	2	87	.23	.055	6	19	.52	60	.15	2	2.21	.01	.03	1	8
L423E 319+00N	1	18	7	50	.1	6	6	233	3.44	10	5	ND	1	20	1	2	2	97	.16	.056	7	20	.48	57	.09	2	2.15	.01	.02	1	3
STD C/AU 0.5	22	56	35	135	7.2	70	30	1136	3.94	40	19	8	35	51	19	16	20	65	.48	.111	39	61	.88	188	.09	37	1.72	.07	.14	15	485

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au*
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
L423E 318+50N	1	46	17	35	.2	14	11	268	3.58	2	5	ND	1	33	1	2	2	103	.33	.019	4	24	.59	74	.17	2	2.49	.02	.04	2	3
L423E 318+00N	1	17	17	47	.2	5	6	213	3.20	2	5	ND	1	31	1	2	2	99	.25	.063	4	18	.40	37	.12	4	1.92	.01	.03	1	17
L423E 317+50N	1	55	12	45	.1	12	11	379	3.50	4	5	ND	1	27	1	2	2	97	.30	.049	5	24	.66	74	.19	2	2.88	.02	.05	2	2
L423E 317+00N	1	40	9	49	.1	13	11	317	3.55	4	5	ND	1	35	1	2	2	101	.31	.053	5	27	.63	71	.19	2	2.85	.02	.04	1	6
L423E 316+50N	1	98	13	73	.2	15	17	918	4.12	9	8	ND	2	43	1	2	2	99	.42	.122	3	28	.80	184	.17	3	3.52	.02	.07	2	9
L423E 316+00N	1	47	12	45	.1	15	12	368	3.33	4	5	ND	1	42	1	2	2	99	.40	.059	6	27	.79	56	.19	4	2.50	.02	.04	2	4
L424E 329+00N	1	76	8	58	.1	17	14	366	5.26	4	5	ND	2	26	1	2	2	100	.34	.067	4	42	.84	67	.18	2	4.50	.02	.05	2	3
L424E 328+50N	1	23	6	34	.1	6	6	199	3.90	3	5	ND	1	24	1	2	2	131	.22	.065	5	22	.24	34	.15	3	2.16	.01	.03	1	3
L424E 328+00N	2	72	23	80	.2	15	28	1041	5.76	3	5	ND	2	22	1	2	5	138	.28	.166	11	33	.71	67	.20	7	4.10	.02	.07	3	15
L424E 327+50N	3	89	32	157	.1	22	46	1017	6.04	14	5	ND	2	13	1	2	2	116	.16	.163	6	34	.48	77	.15	2	5.29	.01	.04	4	1
L424E 327+00N	1	26	6	37	.2	5	9	382	3.25	2	5	ND	1	27	1	2	2	94	.27	.079	4	18	.31	65	.14	2	2.16	.01	.03	1	4
L424E 326+50N	1	25	10	42	.2	6	8	267	4.82	5	5	ND	1	23	1	2	2	124	.19	.095	5	22	.32	38	.18	2	2.27	.01	.02	1	6
L425E 329+00N	1	54	4	72	.1	10	11	408	4.70	2	5	ND	1	17	1	2	4	123	.24	.116	5	27	.53	46	.24	3	3.81	.02	.05	1	1
L425E 328+50N	1	47	16	60	.1	12	13	403	4.57	3	5	ND	1	22	1	2	2	122	.35	.054	4	25	.63	58	.20	2	2.62	.02	.04	1	5
L425E 328+00N	1	91	12	57	.4	17	17	421	4.48	9	5	ND	1	24	1	2	2	114	.31	.063	8	31	.70	66	.21	4	3.98	.02	.05	1	7
L425E 327+50N	1	57	9	51	.2	6	9	230	3.99	3	5	ND	1	16	1	2	2	99	.24	.091	5	19	.32	46	.17	5	3.61	.02	.03	2	16
L425E 327+00N	1	61	18	62	.1	17	17	888	3.87	12	5	ND	1	31	1	2	2	100	.52	.077	7	29	.79	87	.15	2	2.72	.03	.07	1	9
L425E 326+00N	1	27	7	33	.1	6	6	196	2.33	3	5	ND	1	26	1	2	2	73	.36	.055	4	15	.27	54	.13	2	1.51	.01	.03	1	2
L425E 325+50N	1	66	13	59	.1	12	14	398	6.30	10	5	ND	2	21	1	2	5	128	.23	.114	2	37	.76	54	.21	3	4.30	.02	.05	1	5
L425E 325+00N	1	94	13	66	.2	18	17	452	4.62	5	5	ND	2	19	1	2	2	127	.22	.045	6	33	.72	91	.24	2	4.26	.02	.07	1	4
L425E 324+50N	1	88	8	62	.2	18	16	501	4.23	5	5	ND	2	20	1	3	2	116	.25	.078	7	29	.78	90	.21	6	3.82	.02	.09	2	3
L425E 324+00N	1	94	15	65	.1	19	17	700	4.24	9	5	ND	1	29	1	2	2	115	.38	.083	10	32	.89	104	.21	3	3.58	.03	.09	2	4
L425E 323+50N	1	37	9	46	.1	4	9	279	4.71	4	5	ND	1	21	1	2	2	138	.26	.090	3	26	.33	48	.18	2	2.94	.01	.04	1	4
L425E 323+00N	1	56	14	67	.1	10	17	525	4.99	8	5	ND	1	21	1	2	2	144	.28	.048	6	28	.58	79	.22	2	3.25	.02	.06	2	1
L425E 322+50N	1	75	17	66	.1	11	12	265	5.13	2	5	ND	3	18	1	2	2	126	.18	.075	6	31	.46	55	.24	2	4.15	.02	.04	2	4
L425E 322+00N	1	67	10	58	.1	13	15	291	4.68	5	5	ND	1	26	1	2	2	139	.29	.053	4	25	.55	52	.23	2	2.80	.02	.04	1	2
L425E 321+50N	1	128	24	81	.1	18	15	421	5.06	7	5	ND	1	17	1	2	2	128	.21	.102	4	37	.71	100	.20	2	4.94	.02	.06	1	2
L425E 321+00N	1	32	9	59	.1	12	11	432	3.88	6	5	ND	1	21	1	2	5	96	.27	.063	3	27	.68	75	.14	2	2.46	.02	.05	1	3
L425E 320+50N	1	73	6	53	.1	17	13	361	3.90	5	5	ND	2	21	1	2	2	94	.21	.066	5	31	.67	62	.16	4	3.75	.02	.05	1	1
L425E 319+50N	1	37	4	53	.2	7	12	308	3.00	2	5	ND	1	22	1	2	4	79	.23	.066	4	19	.37	41	.17	2	2.45	.01	.03	1	2
L425E 319+00N	1	52	10	65	.1	15	10	360	3.74	2	5	ND	1	23	1	2	2	104	.28	.057	4	23	.57	58	.21	2	3.17	.02	.05	1	2
L425E 318+00N	1	63	3	51	.1	15	13	354	4.00	5	5	ND	1	28	1	2	2	109	.27	.053	5	28	.77	59	.23	4	3.45	.02	.05	1	1
L425E 317+50N	1	34	10	38	.1	10	10	258	3.59	2	5	ND	1	27	1	2	2	108	.28	.027	5	21	.45	52	.20	2	2.33	.02	.04	1	4
L425E 317+00N	1	55	7	53	.1	17	12	365	4.06	2	5	ND	1	25	1	2	2	112	.27	.043	5	29	.78	63	.27	2	3.47	.02	.04	1	1
L425E 316+50N	1	102	20	54	.1	17	15	407	4.54	2	5	ND	2	25	1	2	2	131	.24	.050	5	37	.80	51	.30	2	4.80	.02	.05	1	13
L425E 316+00N	1	46	11	81	.2	15	12	664	3.96	8	6	ND	1	32	1	2	2	108	.27	.080	4	28	.62	106	.17	2	2.86	.01	.04	1	2
STD C/AU 0.5	21	59	43	136	7.2	67	31	1165	3.96	37	22	8	35	51	18	17	20	66	.48	.101	36	61	.88	186	.08	36	1.72	.07	.14	14	480

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ao PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L426E 328+50N	1	71	6	58	.1	15	17	549	4.67	10	5	ND	1	22	1	2	4	125	.38	.045	7	23	.66	62	.23	2	3.16	.03	.06	3	6
L426E 328+00N	1	53	2	66	.1	10	8	322	4.07	9	5	ND	1	15	1	2	2	100	.22	.116	5	23	.49	41	.20	6	3.25	.02	.04	3	12
L426E 327+50N	1	48	7	61	.2	10	9	368	4.86	7	5	ND	1	18	1	2	2	129	.25	.055	7	26	.54	50	.27	5	3.17	.02	.04	3	12
L426E 327+00N	1	66	10	60	.1	12	9	353	4.92	9	5	ND	1	16	1	2	2	119	.24	.135	7	29	.51	42	.20	4	4.44	.02	.04	4	21
L426E 326+50N	1	52	5	67	.2	13	10	365	3.99	7	5	ND	1	18	1	3	2	103	.24	.085	7	25	.55	48	.23	2	3.50	.02	.04	3	30
L427E 329+00N	1	52	8	62	.1	16	12	552	4.42	4	5	ND	1	22	1	3	2	118	.33	.052	10	25	.66	64	.20	3	3.19	.02	.05	3	5
L427E 328+50N	1	48	5	61	.1	14	13	480	4.49	9	5	ND	1	25	1	3	2	115	.37	.054	8	29	.65	72	.23	5	3.23	.02	.05	3	3
L427E 328+00N	1	126	12	59	.2	27	18	563	5.36	12	5	ND	2	19	1	2	2	143	.26	.036	8	36	1.01	154	.29	4	5.32	.02	.09	5	5
L427E 327+50N	1	78	9	75	.2	16	11	394	4.69	9	5	ND	1	17	1	2	2	117	.23	.067	7	34	.57	64	.23	8	4.07	.02	.06	2	6
L427E 327+00N	1	90	3	63	.1	21	14	511	4.45	10	7	ND	2	18	1	2	3	116	.24	.036	6	32	.86	80	.26	6	4.04	.02	.06	3	7
L427E 326+50N	1	103	8	73	.1	25	15	597	4.70	7	5	ND	2	22	1	2	2	121	.30	.062	6	37	.90	113	.27	6	4.64	.02	.07	4	6
L427E 326+00N	2	68	13	108	.1	22	14	481	5.32	14	5	ND	2	15	1	2	2	111	.20	.092	10	35	.46	122	.13	2	3.79	.01	.04	5	5
L427E 325+50N	1	17	2	26	.1	3	5	565	2.65	2	5	ND	1	18	1	2	4	49	.07	.028	7	7	.23	117	.02	2	1.73	.01	.05	2	12
L427E 325+00N	1	68	6	72	.1	13	18	913	5.26	5	5	ND	1	21	1	2	2	100	.22	.073	6	31	.42	81	.17	3	4.11	.01	.06	3	6
L427E 324+50N	1	69	11	66	.3	18	14	484	4.66	6	5	ND	1	25	1	3	2	111	.26	.079	5	32	.62	72	.26	2	4.66	.01	.06	2	4
L427E 324+00N	1	52	4	60	.2	17	13	619	4.10	6	5	ND	1	28	1	2	2	107	.33	.061	3	29	.65	83	.22	2	3.26	.02	.06	3	13
L427E 323+50N	1	91	8	67	.2	27	16	639	4.32	10	5	ND	2	29	1	2	2	106	.28	.042	7	36	.95	140	.21	2	3.91	.01	.07	3	6
L427E 323+00N	1	73	6	48	.1	20	14	448	3.95	10	5	ND	1	19	1	3	2	103	.26	.034	4	27	.66	91	.22	4	3.53	.02	.06	6	6
L427E 322+50N	1	92	7	56	.1	18	14	532	4.22	8	5	ND	2	22	1	3	2	110	.28	.055	3	30	.79	127	.26	3	4.17	.02	.06	4	7
L427E 322+00N	1	52	5	66	.1	9	12	508	4.48	3	5	ND	1	25	1	2	2	130	.23	.047	3	24	.60	85	.14	2	2.73	.01	.04	3	4
L427E 321+50N	1	22	5	40	.1	11	10	377	4.38	3	5	ND	1	22	1	2	2	122	.22	.039	3	25	.38	105	.12	3	2.12	.01	.03	1	3
L427E 321+00N	1	64	8	71	.1	22	16	489	4.82	7	5	ND	1	19	1	2	2	118	.26	.094	2	34	.78	113	.25	2	4.35	.02	.06	4	6
L427E 320+50N	1	42	10	63	.2	12	10	388	4.48	5	5	ND	1	20	1	2	2	115	.26	.054	4	30	.53	80	.22	4	2.92	.02	.04	2	5
L427E 319+50N	1	86	3	114	.3	16	14	574	5.21	6	5	ND	2	16	1	2	2	120	.19	.090	5	34	.69	73	.30	3	5.47	.02	.07	5	20
L427E 319+00N	1	26	9	95	.2	11	10	872	4.78	6	5	ND	1	16	1	2	2	98	.19	.065	2	20	.86	99	.27	3	3.64	.01	.03	2	5
L427E 318+50N	1	27	7	100	.2	12	9	353	4.09	8	5	ND	1	18	1	2	2	93	.21	.069	4	20	.50	78	.22	4	2.95	.01	.03	2	8
L427E 318+00N	1	31	6	60	.1	9	8	263	3.51	7	5	ND	1	18	1	2	2	92	.24	.041	4	20	.45	64	.18	4	2.48	.01	.03	1	6
L427E 317+50N	1	66	11	100	.2	19	11	367	4.28	4	5	ND	2	17	1	2	2	115	.20	.112	5	32	.65	74	.27	2	4.98	.01	.05	4	5
L427E 317+00N	1	45	5	72	.1	13	10	333	3.84	4	5	ND	1	17	1	2	2	96	.23	.100	6	24	.61	51	.19	5	3.31	.02	.04	2	8
L427E 316+50N	1	45	2	69	.1	16	15	857	4.03	4	5	ND	1	23	1	2	2	104	.35	.094	7	27	.63	82	.22	2	3.13	.02	.06	1	18
L427E 316+00N	1	49	4	62	.1	11	9	334	3.66	3	5	ND	1	21	1	2	2	87	.22	.078	6	24	.54	60	.25	2	3.55	.01	.04	2	9
L428E 329+00N	1	62	7	61	.1	15	14	370	4.96	3	5	ND	2	21	1	2	2	127	.26	.048	12	32	.65	68	.28	2	4.02	.02	.05	4	6
L428E 328+50N	1	74	9	64	.1	18	14	576	4.49	5	5	ND	2	23	1	2	2	113	.28	.104	9	29	.75	91	.23	4	3.89	.02	.07	3	7
L428E 328+00N	1	74	9	61	.1	17	18	606	4.21	3	5	ND	1	27	1	2	2	104	.36	.049	12	28	.75	105	.23	4	3.50	.02	.08	2	8
L428E 327+50N	1	92	6	52	.2	20	18	510	4.29	11	5	ND	3	29	1	2	2	116	.29	.022	9	37	.98	179	.25	4	3.98	.02	.09	5	9
L428E 327+00N	1	45	9	51	.1	12	11	466	4.37	4	5	ND	1	20	1	2	2	121	.27	.048	7	27	.59	75	.24	3	3.03	.02	.06	2	26
STD C/AU-0.5	22	60	36	136	7.2	70	31	1331	3.99	39	18	8	35	51	17	17	20	66	.48	.108	39	61	.88	188	.09	38	1.72	.07	.13	15	520

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L428E 326+50N	1	103	3	65	.1	22	15	636	4.79	19	5	ND	2	28	1	2	4	121	.35	.052	7	33	.85	130	.23	7	4.83	.02	.09	2	7
L429E 329+00N	1	94	5	87	.1	18	15	532	5.26	16	5	ND	2	24	1	2	5	120	.33	.079	6	35	[illegible]	85	.24	6	4.88	.02	.08	3	20
L429E 328+50N	1	20	2	56	.1	8	7	391	3.66	7	5	ND	1	23	1	3	2	97	.34	.043	6	20	.41	53	.19	3	2.19	.02	.04	1	3
L429E 328+00N	1	62	2	82	.2	15	11	572	4.82	12	5	ND	2	20	1	2	2	115	.27	.087	5	30	.71	66	.24	6	4.08	.02	.07	1	4
L429E 327+50N	1	56	13	79	.2	15	11	447	4.97	14	6	ND	1	20	1	2	3	120	.29	.097	5	28	.72	80	.24	4	3.78	.02	.06	1	6
L429E 327+00N	1	75	9	65	.2	21	13	529	4.88	12	5	ND	2	19	1	3	3	118	.27	.070	4	34	.83	91	.23	8	5.37	.02	.07	2	14
L429E 326+50N	1	96	6	69	.1	21	13	608	4.76	16	5	ND	2	26	1	2	6	108	.31	.094	7	33	1.04	87	.26	2	5.12	.02	.09	2	7
L429E 326+00N	1	81	7	70	.1	17	11	415	5.15	9	5	ND	2	19	1	5	2	126	.26	.067	5	33	.61	79	.23	5	4.54	.02	.06	2	3
L429E 325+50N	1	43	11	58	.2	14	8	303	4.59	11	5	ND	1	17	1	2	2	117	.23	.053	3	31	.44	43	.21	4	3.46	.02	.05	1	16
L429E 325+00N	1	65	11	79	.2	15	12	645	6.18	13	5	ND	2	24	1	2	3	115	.25	.236	4	33	.72	55	.19	[illegible]	4.33	.01	.07	1	4
L429E 324+50N	1	31	7	52	.2	10	8	345	4.10	6	5	ND	1	23	1	3	2	107	.28	.046	4	22	.49	46	.21	4	2.63	.02	.04	1	4
L429E 324+00N	1	65	10	75	.3	20	13	499	5.01	9	5	ND	2	23	1	3	2	125	.30	.049	4	34	.75	89	.28	7	4.68	.02	.09	1	4
L429E 323+50N	1	35	2	61	.1	18	12	322	4.05	7	5	ND	1	27	1	2	3	104	.30	.050	4	31	.74	57	.16	3	3.24	.01	.05	1	2
L429E 323+00N	1	62	5	71	.2	16	12	382	5.17	8	5	ND	2	18	1	2	2	125	.25	.091	2	34	.63	68	.30	6	5.67	.02	.07	1	51
L429E 322+50N	1	75	6	80	.1	16	13	475	4.95	11	5	ND	1	22	1	2	2	118	.33	.093	2	29	.82	71	.28	5	4.31	.02	.07	1	5
L429E 322+00N	2	78	3	93	.2	24	14	462	5.42	10	5	ND	2	19	1	2	6	127	.27	.076	2	38	.85	104	.27	6	5.98	.02	.09	1	6
L429E 321+50N	1	43	6	52	.1	12	11	460	3.95	10	5	ND	1	25	1	2	2	101	.40	.037	4	24	.56	71	.21	4	2.77	.02	.06	1	6
L429E 321+00N	1	80	6	71	.2	20	14	392	4.59	10	5	ND	2	19	1	2	2	110	.26	.074	2	33	.71	67	.24	4	4.43	.02	.07	1	6
L429E 320+50N	1	53	4	90	.2	17	15	545	4.37	12	5	ND	2	19	1	2	2	106	.27	.075	2	29	.57	84	.24	4	3.98	.02	.06	1	19
L429E 319+50N	1	58	13	66	.2	13	10	325	5.04	12	5	ND	2	20	1	2	3	112	.32	.092	2	32	.54	70	.22	2	4.62	.02	.06	1	5
L429E 319+00N	1	63	12	58	.1	13	11	374	5.07	16	5	ND	1	19	1	2	2	125	.25	.063	2	31	.53	66	.27	3	4.47	.02	.05	1	4
L429E 318+50N	4	636	13	52	.3	6	17	733	18.00	39	7	ND	2	22	1	2	3	97	.25	.225	2	5	.30	47	.21	2	3.31	.01	.04	1	150
L429E 318+00N	1	94	8	63	.2	11	12	531	4.08	20	5	ND	1	25	1	2	3	97	.38	.048	5	21	.49	73	.18	3	2.71	.02	.05	1	14
L429E 317+50N	1	94	13	70	.1	21	16	446	4.87	11	5	ND	2	23	1	2	5	122	.30	.063	6	37	.80	117	.28	2	5.76	.02	.09	1	3
L429E 317+00N	1	81	2	71	.2	19	16	451	4.56	15	5	ND	2	22	1	2	5	115	.29	.060	9	35	.78	90	.26	2	4.77	.02	.09	3	6
L429E 316+50N	1	77	2	80	.1	20	15	777	4.35	8	5	ND	1	24	1	3	4	104	.32	.104	10	34	.67	86	.23	7	4.18	.02	.09	1	3
L429E 316+00N	1	112	5	76	.2	25	19	546	4.95	10	5	ND	2	24	1	2	6	124	.29	.087	9	40	.89	127	.27	2	5.78	.02	.11	2	5
L430E 329+00N	1	29	9	55	.1	10	10	333	4.03	9	5	ND	1	22	1	2	2	109	.31	.036	7	22	.60	50	.24	3	2.61	.02	.05	1	12
L430E 328+50N	1	38	7	69	.1	16	13	403	4.56	11	5	ND	1	24	1	2	2	120	.40	.040	10	28	.76	94	.24	3	3.12	.02	.06	2	9
L430E 328+00N	1	48	4	112	.1	21	16	985	5.01	12	5	ND	1	24	1	3	2	123	.32	.069	11	34	.86	86	.26	2	4.24	.02	.07	2	5
L430E 327+50N	1	81	7	80	.3	18	14	600	5.36	14	5	ND	2	20	1	2	3	125	.28	.097	8	36	.84	66	.25	8	5.36	.02	.07	1	6
L430E 327+00N	1	37	5	58	.2	12	10	352	5.18	13	5	ND	1	20	1	2	2	133	.27	.058	8	28	.58	53	.22	2	3.18	.02	.04	1	2
L430E 326+50N	1	30	10	56	.3	22	15	847	6.32	14	5	ND	2	15	1	2	4	108	.18	.103	17	35	.45	80	.11	2	3.30	.01	.05	2	3
L432E 329+00N	1	51	14	90	.3	10	10	456	7.95	17	5	ND	2	16	1	2	4	168	.23	.127	7	46	.62	68	.32	3	5.12	.01	.05	1	1
L432E 328+50N	1	87	8	90	.3	21	16	674	5.85	13	5	ND	2	21	1	2	3	130	.30	.087	8	36	1.21	90	.30	3	4.93	.02	.09	2	4
L432E 328+00N	1	52	9	62	.2	9	[illegible]	540	6.99	14	5	ND	2	13	1	2	6	145	.19	.194	7	39	.45	40	.26	4	6.02	.01	.04	1	2
STD C/AU 0.5	20	56	36	130	7.0	66	28	1083	3.95	39	16	8	33	48	16	16	20	63	.48	.101	37	57	.88	179	.08	36	1.72	.06	.14	14	490

UTAH MINES PROJECT - 2164 FILE # 86-1345

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
L432E 327+50N	1	59	4	82	.1	15	10	355	6.12	4	5	ND	2	10	1	2	2	120	.15	.084	6	32	.58	61	.24	2	4.77	.01	.03	1	1
L432E 327+00N	1	88	5	62	.1	21	12	513	5.45	9	5	ND	2	14	1	3	2	116	.24	.111	7	32	1.01	59	.22	2	4.07	.02	.05	4	6
L432E 326+50N	1	53	11	58	.1	15	13	1193	4.74	6	5	ND	1	14	1	2	2	108	.21	.095	7	27	.75	72	.16	2	3.51	.01	.04	3	1

UTAH MINES PROJECT - 2164 FILE # 86-1345

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-SRWJT-15	1	118	6	61	.2	10	25	583	5.62	5	5	ND	2	39	1	2	2	75	.83	.133	8	10	1.49	64	.21	6	2.04	.14	.05	1	6
86-SPWJG-16	2	131	6	46	.1	14	15	456	2.47	2	5	ND	1	66	1	2	4	70	1.10	.155	7	22	1.09	17	.17	5	1.18	.08	.11	1	3
86-SRWKT-17	1	80	8	71	.1	18	18	657	3.92	2	5	ND	1	49	1	2	2	67	1.21	.118	6	39	1.37	31	.19	2	1.69	.06	.21	1	1
86-SPWKC-18	1	107	8	84	.1	19	22	1081	5.71	4	5	ND	1	31	1	2	2	76	.73	.142	7	33	2.15	21	.25	4	2.58	.05	.10	1	1
86-SCWBT-187	1	33	4	62	.1	15	13	494	3.60	5	5	ND	1	25	1	2	5	94	.63	.087	4	27	1.43	24	.16	3	1.78	.11	.06	1	1
86-SCWAT-193	1	34	2	39	.1	38	12	335	3.00	2	5	ND	1	16	1	2	3	76	.76	.087	3	45	1.49	24	.13	2	1.54	.10	.05	1	1
86-SCWAT-194	1	44	7	56	.1	56	19	682	3.81	2	5	ND	1	32	1	2	2	98	.58	.043	2	72	2.59	20	.21	4	2.35	.09	.03	1	2
86-SCWCR-211	8	12	15	26	.1	20	18	96500	.10	11	5	ND	1	21	1	2	2	22	.58	.023	3	3	.11	161	.01	2	.14	.01	.04	1	12
86-SCWBT-225	1	87	6	67	.1	23	18	1094	4.41	2	5	ND	1	58	1	2	2	105	2.85	.140	4	25	2.19	28	.26	6	2.79	.08	.05	1	2
86-SCWBT-231	1	10	7	59	.1	77	20	1267	5.17	2	12	ND	3	175	1	2	2	72	7.55	.158	4	87	2.73	53	.01	2	2.76	.01	.15	1	1
86-SCWBT-232	1	183	5	81	.3	88	29	991	6.01	3	11	ND	2	115	1	2	4	123	4.79	.117	5	124	3.25	48	.01	2	3.01	.02	.08	1	2
86-SCWBT-234	1	28	9	107	.1	16	29	654	7.94	7	5	ND	2	37	1	2	3	305	1.74	.163	5	36	4.09	144	.16	2	3.91	.05	.96	1	1
86-SCWBA-236	2	60	22	85	.4	29	6	1605	3.00	40	5	ND	1	16	1	2	2	31	1.13	.065	6	16	.46	48	.01	2	.52	.01	.07	1	4
86-SCWDR-237	3	236	9	23	.3	14	55	17705	.80	4	5	ND	1	40	1	2	3	8	.42	.011	3	6	.28	254	.05	2	.33	.01	.11	4	17
86-SCWDJ-238	1	29	9	35	.1	24	32	812	2.75	2	5	ND	1	9	1	2	2	47	.06	.007	3	8	.37	199	.06	2	.41	.01	.14	2	8
86-SRTJO-14	1	46	8	19	.1	5	7	301	9.87	4	5	ND	1	15	1	2	6	82	.09	.033	7	4	.47	10	.02	2	.72	.01	.04	1	4
86-SCTDS-173	1	54	2	75	.1	56	22	1397	5.03	5	5	ND	1	49	1	2	2	132	.66	.088	6	137	4.82	57	.21	4	3.61	.02	.06	1	3
86-SCTBP-220	1	108	4	66	.1	28	21	590	4.56	2	5	ND	1	53	1	2	2	79	.83	.118	5	37	2.64	14	.14	2	2.81	.05	.04	1	1
86-SCTBS-226	1	73	13	68	.1	33	24	808	5.47	2	9	ND	2	39	1	2	4	89	4.28	.097	5	40	3.07	27	.13	2	3.24	.01	.13	1	1
86-SCTBS-235	1	16	13	17	.1	14	3	1425	2.44	27	11	ND	4	520	1	2	2	11	18.72	.032	6	6	2.03	58	.01	4	.21	.01	.07	1	2
STD C/AU 0.5	19	60	36	131	7.1	65	29	1088	3.95	39	16	7	34	49	17	16	18	63	.48	.106	39	58	.88	179	.08	42	1.72	.06	.14	14	505

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LIBO2 AND IS DISSOLVED IN 50 MLS 5% HNO3. SAMPLE TYPE: ROCK CHIPS

DATE RECEIVED: JULY 7 1986 DATE REPORT MAILED: July 14/86 ASSAYER. D.Toye .DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT - 2164 FILE # 86-1345

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba PPM	Zr PPM	Y PPM	Loi %	Sum
86-SRWJT-15	55.40	16.21	10.15	2.81	5.02	4.20	1.70	.65	.36	.10	.01	190	77	21	3.0	99.66
86-SRWJG-16	52.46	15.30	9.59	5.55	9.30	2.35	1.90	.80	.45	.17	.01	709	51	18	1.7	99.72
86-SRWKT-17	52.97	17.82	8.54	3.34	6.21	4.85	2.10	.76	.37	.11	.01	1152	45	19	2.5	99.81
86-SRWKC-18	52.58	17.17	10.50	4.42	4.81	3.90	1.65	.88	.39	.15	.01	899	59	24	3.2	99.84
86-SCWBT-187	53.08	17.69	9.54	4.83	5.67	4.55	.70	.88	.22	.15	.01	348	21	26	2.3	99.69
86-SCWAT-193	49.98	16.66	10.70	6.51	7.94	3.70	.95	.95	.23	.15	.03	506	38	19	1.8	99.70
86-SCWAT-194	49.72	17.72	10.06	6.88	6.16	4.35	.50	.88	.13	.18	.03	243	35	17	3.0	99.66
86-SCWCR-211	57.18	1.36	.61	.69	5.67	.05	.10	.06	.04	29.94	.02	249	92	11	3.6	99.38
86-SCWBT-225	47.36	17.24	9.33	5.67	9.95	2.35	.75	1.02	.39	.23	.01	273	30	19	5.2	99.56
86-SCWBT-231	43.80	15.52	8.95	5.45	9.61	.15	2.65	1.15	.45	.17	.03	830	41	15	11.6	99.70
86-SCWBT-232	49.30	14.26	10.09	6.18	6.21	2.00	1.20	1.23	.32	.13	.04	669	45	18	8.5	99.60
86-SCWBT-234	45.00	16.10	14.35	7.52	3.89	2.45	1.65	2.59	.46	.16	.01	1155	134	38	5.2	99.62
86-SCWBA-236	84.16	3.37	4.56	1.02	1.74	.05	.90	.13	.17	.25	.01	673	45	17	3.1	99.60
86-SCWDR-237	83.90	3.07	1.99	.84	1.28	.25	.25	.16	.02	5.87	.01	593	66	16	1.7	99.46
86-SCWDJ-238	87.16	3.55	5.36	.89	.22	.10	1.00	.14	.01	.26	.01	896	17	5	.8	99.68
STD SO-4	67.56	10.40	3.48	.98	1.62	1.40	1.95	.55	.22	.07	.02	782	303	29	11.5	99.94

ACME ANALYTICAL LABORATORIES LTD.   852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6   PHONE 253-3158   DATA LINE 251-1011

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LIBO2 AND IS DISSOLVED IN 50 MLS 5% HNO3.
- SAMPLE TYPE: ROCK CHIPS

DATE RECEIVED: AUG 13 1986 DATE REPORT MAILED: Aug 22/86   ASSAYER. D. Toye ...DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT - 2164 FILE # 86-2025

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba PPM	Zr PPM	Y PPM	LOI %	SUM
86-SCWCT-337	67.22	15.36	4.54	1.98	2.83	3.55	2.00	.39	.11	.07	.01	1262	59	18	1.5	99.81
86-SCWCT-344	70.59	14.31	3.46	1.54	3.80	2.50	1.60	.33	.10	.06	.01	1356	137	17	1.2	99.78
86-SCWCT-350	60.55	16.22	6.04	3.71	3.18	2.85	3.45	.51	.20	.10	.01	1184	105	20	2.8	99.86
86-SCWDB-278	46.38	14.37	12.57	9.90	8.14	1.20	3.40	.86	.62	.20	.07	537	123	26	2.0	99.83
86-SCWDJ-304	78.01	.01	5.15	.23	1.28	.05	.05	.01	.04	11.41	.01	2525	5	5	3.0	99.74
86-SCWDJ-311	97.06	.12	1.74	.03	.09	.05	.05	.01	.01	.01	.01	68	5	5	.5	99.69
86-SCWDJ-312	97.65	.01	1.31	.01	.02	.05	.05	.01	.01	.02	.01	33	5	5	.6	99.76
86-SCWDT-280	55.73	17.41	7.97	4.22	3.90	5.95	1.95	.75	.34	.15	.01	632	127	26	1.3	99.82
86-SCWDT-281	55.93	17.26	8.36	3.50	1.79	5.35	4.25	.83	.39	.14	.01	1025	105	25	1.8	99.82
86-SCWDT-286	52.97	14.69	8.98	7.35	7.35	2.75	1.65	.69	.39	.16	.04	2231	9	23	2.3	99.75
86-SCWDT-289	51.46	15.55	9.94	8.11	7.46	2.05	1.60	.75	.46	.14	.03	2359	13	25	1.6	99.61
86-SRWHC-30	76.23	9.42	4.38	2.52	1.66	1.00	2.25	.32	.11	.11	.01	1463	61	17	1.5	99.80
STD SO-4	67.90	10.38	3.43	.96	1.58	1.30	2.00	.53	.19	.05	.01	773	296	28	11.3	99.82

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-2 ROCKS P3-SILT/SOIL AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 13 1986 DATE REPORT MAILED: Aug 22/86 ASSAYER. ..DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT - 2164 FILE # 86-2025 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-SCWCT-337	1	19	2	78	.2	5	8	585	2.57	9	5	ND	2	295	1	2	2	38	.57	.050	12	10	1.07	65	.14	3	1.48	.04	.10	1	4
86-SCWCT-344	1	30	7	52	.1	6	5	388	1.72	3	5	ND	2	245	1	2	5	21	.71	.040	8	7	.76	225	.15	2	1.37	.05	.25	1	2
86-SCWCT-350	1	28	3	68	.6	10	11	794	3.36	7	6	ND	2	253	1	2	2	70	.93	.076	7	18	2.13	81	.21	2	2.25	.05	.09	1	2
86-SCWDB-278	2	191	4	98	.2	40	28	832	4.39	5	5	ND	1	58	1	2	2	117	1.37	.198	2	219	3.05	132	.21	5	2.79	.15	1.41	1	8
86-SCWDJ-304	9	72	10	57	.1	22	19	46543	3.08	6	80	ND	4	46	1	4	19	12	.23	.018	2	3	.09	1637	.01	4	.04	.01	.03	5	1
86-SCWDJ-311	1	52	2	3	.1	4	3	599	1.04	2	6	ND	1	2	1	2	2	8	.01	.003	2	4	.02	67	.01	5	.03	.01	.01	1	8
86-SCWDJ-312	1	8	2	1	.1	2	1	327	.78	4	5	ND	1	2	1	2	2	5	.01	.003	2	3	.01	24	.01	9	.01	.01	.01	1	50
86-SCWDT-280	3	70	2	84	.1	9	15	653	3.49	4	5	ND	2	9	1	2	2	114	.55	.120	11	12	1.32	191	.27	2	1.46	.08	.86	1	11
86-SCWDT-281	3	191	96	138	.1	8	21	1062	4.90	4	5	ND	3	7	1	2	2	147	.42	.139	11	13	1.65	72	.34	4	1.69	.07	1.48	1	1
86-SCWDT-286	1	135	2	43	.8	66	25	452	4.13	43	5	ND	1	35	1	2	2	107	1.00	.130	2	75	1.69	52	.24	6	1.74	.14	.73	1	4
86-SCWDT-289	1	100	3	44	.1	44	20	253	3.08	2	5	ND	1	135	1	2	2	139	1.97	.176	6	66	1.97	534	.27	11	3.17	.44	.64	1	1
86-SFWHC-30	1	49	6	73	.1	21	10	941	3.00	2	5	ND	2	53	1	2	2	66	.51	.043	5	25	1.48	199	.18	8	2.05	.11	.85	1	1
STD C/AU-0.5	20	60	36	139	7.3	69	30	1138	3.93	44	20	8	32	48	17	16	20	65	.48	.108	37	61	.88	181	.08	34	1.73	.07	.14	12	515

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-SCTCL-328	1	4	2	27	.1	6	1	420	1.04	2	11	ND	1	147	1	2	10	10	26.90	.030	2	2	.42	13	.01	7	.20	.01	.08	1	1
86-SCTCL-330	2	6	2	24	.1	3	1	496	.96	2	11	ND	1	282	1	2	10	6	28.02	.033	2	1	.58	11	.01	4	.12	.01	.07	1	1
86-SCTCS-333	1	29	23	28	.1	22	5	1414	1.63	41	5	ND	1	58	1	2	2	5	.24	.025	2	2	.09	1573	.01	10	.31	.01	.11	1	1
86-SCTCX-338	2	207	16	70	.4	10	28	753	6.03	17	7	ND	2	240	1	2	2	30	.63	.047	2	9	1.30	14	.16	4	1.65	.04	.10	1	5
86-SCTCX-344A	6	238	23	54	.6	5	15	346	4.62	43	5	ND	2	102	1	2	2	20	.41	.032	2	5	.51	38	.11	6	1.04	.04	.13	1	1
86-SCTDB-279	1	97	19	96	.1	39	26	1019	5.45	6	6	ND	3	167	1	2	2	126	4.57	.228	7	129	3.41	253	.01	9	2.07	.02	.18	1	1
86-SCTDS-300	1	35	10	74	.1	15	15	1409	4.41	30	5	ND	1	85	1	2	2	29	3.50	.117	2	9	.96	62	.01	9	.76	.01	.27	1	45
86-SCTDX-166	6	673	59	72	.8	40	58	725	7.24	181	5	ND	2	13	1	2	2	16	.10	.041	2	14	1.11	26	.01	12	1.73	.05	.41	1	-
86-SRTHA-25	37	67	18	60	.9	27	19	211	1.66	7	11	ND	6	6	3	2	2	95	.37	.103	9	27	.71	161	.23	5	1.24	.01	.36	1	1
86-SRTHA-31	29	75	13	101	.4	26	6	337	2.75	5	5	ND	4	4	1	2	3	76	.14	.045	7	20	.69	116	.08	5	.93	.01	.22	1	1
86-SRTHC-29	22	60	5	31	.1	27	7	322	2.08	2	5	ND	2	6	1	2	3	82	.12	.030	4	25	.75	190	.04	3	.86	.02	.08	1	4
86-SRTHI-24	1	42	7	51	.3	3	15	899	4.50	7	5	ND	2	46	1	2	2	91	1.14	.108	7	2	1.23	97	.25	6	2.50	.11	.16	1	70
86-SRTHI-26	1	44	4	60	.1	36	25	286	4.02	3	5	ND	1	70	1	2	2	127	1.32	.123	4	36	1.49	136	.34	11	2.40	.23	.48	1	3
86-SRTHS-23	1	67	3	77	.1	14	23	3127	5.82	4	7	ND	3	8	1	2	2	96	.05	.080	26	21	.75	135	.07	7	2.22	.01	.21	1	16
86-SRTHS-28	27	131	24	360	.4	126	30	912	5.51	208	5	ND	2	7	3	2	2	146	.20	.100	15	18	.96	346	.01	8	1.91	.01	.19	1	6
86-SRTHT-22	7	358	6	62	.4	14	35	574	4.66	6	5	ND	1	10	1	2	2	110	.96	.120	10	13	1.09	43	.45	2	1.21	.07	.13	1	27
86-SRTHT-27	4	173	36	223	.8	11	11	92	2.74	165	5	ND	1	7	1	2	4	15	.32	.169	6	8	.12	95	.01	2	.29	.01	.08	1	15
86-SRTHX-32	16	68	376	63	4.6	4	5	134	5.63	75	5	ND	4	16	1	2	4	25	.17	.265	22	15	.43	329	.01	5	.75	.01	.34	1	60
STD C/AU 0.5	20	60	36	139	7.3	69	30	1138	3.93	44	20	8	32	48	17	16	20	65	.48	.108	37	61	.88	181	.08	34	1.73	.07	.14	13	510

UTAH MINES PROJECT - 2164 FILE # 86-2025

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-SCSD-1	1	70	13	102	.3	52	25	531	3.79	4	5	ND	1	26	1	2	2	121	.29	.075	11	168	3.25	31	.40	3	3.97	.01	.05	1	6
86-SCSD-2	1	120	23	111	.1	37	23	650	9.40	37	5	ND	2	12	1	2	4	148	.07	.185	22	96	1.09	42	.01	6	3.56	.01	.06	1	1
86-SCSD-3	1	45	17	59	.2	36	20	387	4.66	2	5	ND	1	15	1	2	2	148	.20	.051	10	155	3.01	31	.54	4	3.32	.01	.06	1	1
86-SCSD-4	1	43	12	50	.1	41	18	455	6.42	5	5	ND	1	10	1	2	2	163	.26	.091	14	167	1.79	51	.58	4	3.21	.01	.05	1	1
86-SCSD-5	1	40	29	61	.1	12	10	739	8.66	10	5	ND	2	8	1	2	3	125	.09	.124	18	23	.74	47	.38	2	2.93	.01	.04	1	4
86-SCSD-6	1	162	18	75	.1	27	24	600	7.18	7	5	ND	1	7	1	2	2	184	.13	.311	22	108	2.75	43	.09	5	4.11	.01	.14	1	1
86-SCLD-10	1	87	8	79	.1	30	19	760	4.11	14	5	ND	1	34	1	2	2	107	.61	.145	12	62	1.60	194	.17	3	2.45	.03	.17	1	5
86-SCLD-11	1	85	15	92	.1	28	19	771	4.06	16	5	ND	1	37	1	2	2	106	.82	.179	13	59	1.68	155	.16	6	2.10	.04	.19	1	6
86-SCLD-12	1	79	11	89	.1	25	18	647	3.83	26	5	ND	1	30	1	2	2	98	.63	.110	12	37	1.46	182	.16	2	1.96	.05	.14	1	17
86-SCLD-13	1	67	11	83	.1	22	16	635	3.68	21	5	ND	2	29	1	2	2	90	.70	.160	11	34	1.38	225	.13	3	1.83	.04	.15	1	2
86-SCLD-14	2	84	15	110	.2	27	19	843	4.33	31	5	ND	2	31	1	2	2	113	.68	.106	11	46	1.84	177	.15	14	2.24	.04	.17	1	6
86-SCLD-15	1	73	14	117	.2	28	22	925	4.21	25	5	ND	1	27	1	2	2	115	.67	.111	11	45	1.85	309	.14	5	2.09	.03	.15	1	1
86-SCLD-16	1	73	6	98	.1	31	22	923	4.49	23	5	ND	1	25	1	2	2	110	.67	.104	11	45	2.05	170	.14	8	2.11	.03	.17	1	3
STD C/AU 0.5	21	59	42	139	7.2	71	32	1130	3.94	44	19	8	33	48	18	16	19	64	.47	.108	37	61	.88	182	.09	39	1.73	.07	.13	14	500

AUG 2? 1986

UTAH ... D.

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LIBO2 AND IS DISSOLVED IN 50 MLS 5% HNO3.
- SAMPLE TYPE: ROCK CHIPS

DATE RECEIVED: AUG 21 1986 DATE REPORT MAILED: Aug 25/86 ASSAYER. D. Toye. DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT - 2164 FILE # 86-2175

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba PPM	Y PPM	Zr PPM	LOI %	SUM
86-LCWM-2	61.98	1.97	31.92	1.77	.44	.15	.30	.10	.18	.14	.01	49	8	31	.8	99.77
86-LCWC-3	68.00	3.60	22.51	1.22	.16	.05	.10	.12	.09	.06	.01	160	9	18	3.8	99.75
86-LCWJ-4	66.66	1.56	26.65	.71	1.53	.05	.10	.25	.24	.06	.01	15	11	58	1.9	99.73
86-LCWA-6	75.87	10.25	3.88	1.48	.12	.25	3.05	.44	.14	.04	.01	2449	24	141	3.6	99.62
86-LCWT-13	54.09	16.22	12.59	4.22	2.40	1.10	2.85	.66	.25	.14	.01	2484	14	74	4.7	99.72
86-LCWT-14	50.84	19.98	11.89	3.50	1.33	1.45	4.95	.78	.29	.09	.01	4020	9	111	3.9	99.80
86-LCWS-15	52.60	16.96	15.97	4.18	.85	.15	2.80	.88	.17	.12	.01	2017	23	133	4.7	99.80
86-LCWC-16	79.89	3.54	10.34	1.62	.65	.05	.20	.09	.11	.05	.01	92	11	56	3.2	99.78
86-LCWS-17	44.43	13.69	29.25	5.31	.40	.05	.10	.63	.27	.16	.01	24	25	106	5.4	99.72
86-LCWS-18	77.00	3.25	10.16	1.23	3.30	.05	.20	.12	.06	.06	.01	76	11	5	4.0	99.46
86-LCWS-19	50.26	20.24	13.53	2.81	.76	.15	4.70	.86	.25	.15	.01	2713	30	178	5.5	99.77
86-SCWDD-240A	61.35	19.54	3.49	3.50	.40	.55	5.35	.56	.06	.07	.01	4936	61	306	3.9	99.78
86-SCWCC-356	54.37	16.35	10.95	1.24	1.90	5.00	3.50	.72	.47	.03	.01	1489	25	124	4.9	99.75
86-SCWCD-364	69.63	14.37	3.67	1.59	3.55	2.50	2.05	.33	.08	.06	.01	1350	20	159	1.7	99.82
86-SCWET-367	45.37	8.75	8.08	5.16	13.25	.20	1.35	.43	.06	.22	.01	93	16	62	16.9	99.81
86-SCWCI-377	64.34	15.94	4.90	1.53	3.41	3.90	2.95	.38	.19	.12	.01	1253	19	103	1.8	99.73
86-SCWCB-380	51.84	17.33	7.35	3.87	8.43	2.50	2.55	.65	.41	.11	.01	652	24	147	4.6	99.80
STD SO-4	67.75	10.28	3.44	.99	1.63	1.35	2.05	.53	.19	.05	.01	783	26	384	11.4	99.87

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-2 ROCKS P3-7 SOILS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 21 1986 DATE REPORT MAILED: Aug 25/86 ASSAYER. D.Toye...DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT - 2164 FILE # 86-2175 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-LCWM-2	7	24	17	158	.1	48	16	1160	21.14	27	5	ND	3	12	1	13	2	240	.23	.056	6	9	.90	31	.05	2	.71	.05	.10	1	3
86-LCWC-3	5	126	11	203	.5	66	12	516	16.05	99	5	ND	2	3	1	2	2	191	.08	.029	10	65	.63	19	.02	2	1.56	.04	.01	1	10
86-LCKJ-4	3	75	10	34	.2	40	18	512	16.69	26	5	ND	4	16	1	2	2	115	.91	.080	10	7	.35	5	.04	2	.62	.05	.02	1	14
86-LCWA-6	24	32	17	52	.6	15	2	305	2.65	27	5	ND	2	3	1	3	2	22	.07	.060	6	8	.38	133	.01	9	.63	.02	.18	1	12
86-LCWT-13	2	48	16	97	.1	28	31	1140	7.45	12	5	ND	2	19	1	2	2	47	1.12	.093	6	18	2.20	87	.11	10	2.88	.07	.21	1	4
86-LCWT-14	1	13	6	92	.1	22	16	817	6.58	2	5	ND	1	12	1	2	2	50	.55	.116	7	12	1.59	322	.13	11	1.98	.06	.27	1	5
86-LCWS-15	1	30	10	86	.1	22	12	1025	10.47	12	5	ND	2	4	1	2	2	53	.24	.057	7	12	2.26	119	.11	2	3.86	.04	.15	1	1
86-LCWC-16	5	18	3	50	.2	26	15	472	6.90	8	5	ND	2	3	1	2	2	144	.40	.037	9	10	.85	27	.03	10	1.39	.03	.02	1	1
86-LCWS-17	5	32	18	334	.3	51	11	1087	19.43	175	5	ND	4	4	1	2	2	306	.21	.084	17	25	3.04	5	.03	2	5.66	.05	.01	1	3
86-LCWS-18	1	27	11	749	.9	38	3	554	6.79	76	5	ND	2	9	15	2	2	1003	2.31	.021	8	24	.64	22	.02	10	1.34	.05	.01	1	9
86-LCWS-19	4	69	13	203	.3	54	24	1256	9.01	56	5	ND	4	4	1	2	2	63	.21	.092	6	5	1.34	106	.07	6	2.51	.04	.16	1	1
86-SCWDD-240A	2	4	5	137	.1	5	2	517	2.12	2	5	ND	8	18	1	2	2	6	.24	.026	45	1	1.33	190	.01	7	1.30	.03	.20	1	3
86-SCWCC-356	13	257	239	95	.3	14	26	200	7.26	53	5	ND	4	15	1	2	2	117	.54	.182	13	10	.65	31	.17	8	1.16	.10	.08	1	3
86-SCWCD-364	1	19	4	48	.1	4	5	404	1.77	5	5	ND	3	198	1	2	2	20	.45	.038	8	3	.77	84	.12	5	1.17	.05	.13	1	1
86-SCWET-367	1	75	9	46	.2	28	15	1751	4.45	2	5	ND	3	75	1	2	2	69	9.88	.019	3	19	2.71	16	.01	19	1.29	.08	.07	2	3
86-SCWCI-377	1	9	5	51	.2	3	7	855	3.00	3	5	ND	6	28	1	2	2	56	1.39	.078	16	2	.74	66	.14	25	1.37	.10	.12	1	2
86-SCWCB-380	4	143	17	127	.4	42	21	891	4.34	9	5	ND	3	175	1	2	2	136	4.32	.147	8	44	2.03	85	.24	11	3.13	.38	.90	1	10
STD C/AU 0.5	20	60	40	140	7.3	72	29	1134	3.97	41	16	8	36	50	18	15	21	70	.48	.105	39	60	.88	187	.09	41	1.73	.09	.14	12	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-LCTX-1	3	406	7	37	.5	56	35	339	4.90	11	5	ND	2	34	1	4	2	67	1.22	.117	4	87	1.84	18	.31	7	1.96	.11	.03	1	4
86-LCTS-7	23	131	45	185	.3	44	16	949	19.47	127	5	ND	3	5	1	20	2	68	.04	.135	2	16	.19	102	.01	2	1.27	.04	.09	1	22
86-LCTM-8	1	102	11	85	.3	32	20	1420	11.78	18	5	ND	4	58	1	2	2	245	1.88	.165	18	13	1.50	63	.12	2	1.71	.07	.15	1	1
86-LCTQ-9	1	20	3	17	.2	5	3	3169	1.09	6	12	ND	2	139	1	2	2	28	11.32	.076	5	6	.28	40	.12	15	.50	.08	.06	1	1
86-LCTX-12	28	58	40	79	.9	153	203	774	19.13	26	5	ND	3	5	1	13	2	72	.51	.049	4	6	2.00	36	.09	2	3.01	.05	.06	1	4
86-LCTX-12A	39	165	95	198	1.4	199	495	368	20.22	150	5	ND	3	8	34	15	2	71	.66	.221	2	10	.59	34	.04	2	1.04	.05	.14	1	14
86-LCTX-12B	45	169	67	109	1.6	332	212	582	27.04	128	5	ND	3	6	3	38	2	39	.44	.126	2	7	.67	22	.03	2	1.08	.06	.08	1	14
86-SRTIA-33	12	63	8	109	.1	42	15	207	2.64	7	5	ND	2	13	1	2	2	49	.23	.050	2	19	.66	58	.06	4	.88	.04	.28	1	1
86-SRTAA-34	17	17	22	21	1.0	15	5	75	1.75	9	5	ND	3	2	1	9	3	29	.04	.047	9	10	.26	89	.03	2	.46	.01	.18	1	3
86-SRTAA-35	7	58	18	137	.4	46	8	663	3.51	21	5	ND	4	7	1	5	2	62	.20	.105	11	26	1.51	89	.04	6	1.64	.03	.32	1	10
86-SRTAS-36	16	119	53	453	.3	249	89	6813	5.80	460	5	ND	4	10	6	11	2	72	.08	.187	22	12	.40	243	.01	10	2.28	.02	.14	1	28
86-SRTAX-37	1	7	18	89	.1	30	8	1793	4.40	5	5	ND	8	15	1	2	2	13	.16	.049	18	2	1.50	93	.08	4	1.41	.04	.19	1	2
86-SCTCC-357	1	75	10	72	.4	19	16	870	5.06	5	5	ND	3	28	1	2	2	146	.91	.151	10	36	1.70	85	.24	6	1.96	.13	.03	1	3
86-SCTCK-372	1	39	9	80	.2	41	18	850	4.35	22	5	ND	3	86	1	2	2	133	1.21	.203	7	69	2.40	1054	.21	8	2.42	.08	.09	1	3
86-SCTCK-373	1	41	9	80	.2	43	19	1001	4.63	21	5	ND	2	80	1	2	2	148	1.08	.187	10	78	2.59	362	.25	7	2.66	.08	.07	1	2
86-SCTCK-374	1	41	10	87	.1	46	20	917	4.80	29	5	ND	2	78	1	2	2	142	.95	.175	9	78	2.32	1584	.26	7	2.49	.08	.07	1	2
86-SCTCK-375	1	38	6	83	.2	41	16	830	4.26	15	5	ND	3	44	1	2	2	110	.81	.166	10	65	1.81	140	.23	10	2.24	.07	.11	1	3
86-SCTCK-376	1	55	8	64	.2	41	17	1205	3.56	4	5	ND	2	124	1	2	2	90	3.62	.169	6	78	1.97	101	.23	9	2.06	.08	.08	1	2
86-SCTCY-378	1	34	6	55	.2	22	8	1205	2.62	31	5	ND	1	26	1	3	2	59	.39	.037	4	21	1.01	94	.16	4	1.07	.04	.06	1	5
86-SCTCG-379	1	211	9	68	.3	26	20	798	3.50	48	15	ND	2	326	1	43	2	84	7.25	.117	6	29	2.03	177	.01	24	.43	.07	.20	1	3
STD C/AU 0.5	20	61	41	141	7.3	73	30	1140	3.97	42	18	8	36	50	18	17	22	71	.48	.106	38	62	.88	189	.09	37	1.73	.09	.14	13	480

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-SCLC-17	1	74	10	70	.3	27	16	750	3.76	4	5	ND	2	82	1	2	2	104	.76	.104	8	60	1.67	92	.16	6	2.27	.06	.08	1	5
86-SCLC-18	1	72	8	68	.2	27	16	738	3.66	6	5	ND	2	79	1	3	2	101	.72	.102	8	58	1.65	85	.16	6	2.20	.06	.06	1	4
86-SCLC-19	1	57	12	69	.4	17	15	792	4.18	10	5	ND	3	50	1	2	2	106	.58	.066	16	30	1.31	122	.15	9	2.58	.06	.10	1	21
86-SCLC-20	1	88	10	77	.3	28	17	855	4.08	8	5	ND	2	63	1	2	2	118	.65	.113	9	61	1.83	94	.17	6	2.48	.06	.08	1	2
86-SCLC-21	1	61	7	65	.3	26	15	703	3.34	3	5	ND	3	91	1	2	3	90	.79	.103	8	60	1.51	90	.16	6	2.11	.06	.08	1	3
86-SCLC-22	1	99	7	88	.2	31	20	940	4.61	14	5	ND	2	75	1	3	2	135	.80	.103	9	58	1.88	71	.14	11	2.64	.06	.07	1	5
86-SCLC-23	1	65	7	92	.3	28	16	1054	4.11	4	5	ND	2	54	1	2	2	116	.72	.079	8	66	2.40	127	.23	7	2.68	.07	.15	1	3
86-SCLC-24	1	68	10	93	.3	35	18	1055	4.31	2	5	ND	2	45	1	2	2	128	.71	.098	7	77	3.33	121	.23	5	3.01	.06	.25	1	3
86-SCLC-25	1	49	12	96	.3	24	16	1076	4.59	4	5	ND	2	30	1	3	2	118	.52	.086	11	42	2.10	120	.19	6	2.40	.06	.14	1	1
86-SCLE-25	1	82	10	106	.3	49	19	840	5.09	3	5	ND	2	53	1	2	2	131	.73	.092	6	80	2.22	87	.17	7	2.83	.06	.09	1	1
86-SCLE-27	1	76	10	103	.3	46	19	831	4.82	6	5	ND	3	60	1	2	2	128	.75	.083	8	82	2.09	87	.17	13	2.75	.06	.10	1	1
86-SCLE-28	1	60	11	112	.3	44	19	819	4.26	2	5	ND	2	60	1	3	2	114	.77	.055	4	92	1.69	134	.12	8	2.54	.06	.08	1	1
86-SCLE-29	1	82	11	99	.2	44	19	835	4.84	8	5	ND	2	69	1	2	2	130	.86	.095	7	80	2.11	85	.18	16	2.80	.07	.10	1	1
86-SCLE-30	1	92	9	90	.3	40	18	823	4.58	4	5	ND	2	69	1	2	2	126	.87	.093	8	74	1.99	70	.18	9	2.68	.06	.08	1	2
86-SCLE-31	1	86	10	105	.2	50	17	749	4.88	2	5	ND	2	46	1	2	2	115	.73	.081	7	69	1.74	113	.15	7	2.82	.06	.11	1	1
86-SCLE-32	1	84	11	95	.2	42	17	758	4.70	4	5	ND	2	51	1	2	4	130	.81	.112	9	73	1.96	62	.16	7	2.68	.06	.09	1	1
86-SCLE-33	1	80	13	107	.3	43	18	772	5.07	6	5	ND	3	56	1	2	3	135	.73	.101	7	61	1.92	87	.15	9	2.88	.07	.11	1	2
86-SCLE-34	1	80	9	106	.3	43	18	752	4.84	2	5	ND	3	57	1	2	2	123	.73	.081	6	56	1.80	88	.14	8	2.80	.06	.11	1	2
86-SCLE-35	1	58	13	90	.3	37	19	816	4.03	2	5	ND	2	75	1	2	3	111	.71	.071	7	65	1.38	103	.14	9	2.37	.06	.09	1	4
86-SNLF-47	1	72	4	57	.2	33	16	610	3.34	2	5	ND	2	67	1	2	3	102	.76	.089	8	88	1.95	65	.21	5	2.10	.06	.17	1	1
86-SNLF-48	1	80	4	56	.2	36	17	594	3.44	3	5	ND	2	74	1	2	2	107	.78	.091	8	90	2.00	67	.23	4	2.17	.06	.19	1	2
86-SNLF-49	1	11	3	50	.2	7	9	635	2.84	2	5	ND	2	27	1	2	2	58	.41	.028	6	35	.82	99	.04	5	1.35	.04	.06	3	2
86-SNLF-79	1	50	4	78	.3	39	18	797	4.08	2	5	ND	2	80	1	3	2	113	.90	.069	9	77	2.08	64	.20	6	2.49	.06	.08	1	1
86-SNLF-80	1	95	11	68	.4	34	20	1090	4.72	4	5	ND	1	75	1	2	2	133	1.08	.077	11	87	2.30	121	.21	8	3.09	.06	.10	1	2
86-SNLF-81	1	63	7	69	.3	33	21	893	4.46	2	5	ND	2	100	1	2	2	133	1.06	.117	9	83	2.77	51	.28	6	2.75	.07	.08	1	1
86-SNLF-82	1	72	4	54	.3	30	18	918	3.69	2	5	ND	1	75	1	2	2	116	.91	.050	8	86	1.98	125	.23	4	2.52	.06	.08	1	1
86-SNLF-83	1	69	6	61	.3	30	18	1699	3.90	2	5	ND	2	77	1	2	2	120	.78	.112	9	81	1.83	146	.21	5	2.62	.05	.07	1	1
86-SNLF-84	1	105	8	58	.4	28	15	902	3.22	2	5	ND	1	80	1	4	2	106	1.53	.112	10	74	2.27	107	.19	12	2.13	.07	.18	1	4
86-SNLF-85	1	102	10	69	.2	32	20	936	4.53	2	5	ND	2	78	1	2	2	141	.87	.111	13	86	3.15	77	.20	7	2.43	.05	.19	1	3
86-SNLF-86	1	105	6	69	.3	31	20	918	4.49	7	5	ND	2	79	1	2	2	143	.96	.121	13	87	3.19	65	.21	9	2.42	.05	.19	1	2
86-SNLF-87	1	102	10	74	.3	36	21	944	4.71	2	5	ND	2	69	1	2	2	134	.77	.125	10	95	2.94	72	.18	6	2.64	.06	.12	1	2
86-SNLG-17	2	44	11	95	.2	18	19	2852	3.04	6	5	ND	1	32	1	4	2	81	.46	.058	8	29	.93	191	.08	9	2.33	.05	.07	1	5
86-SNLE-18	1	54	9	84	.2	20	14	1459	3.36	8	5	ND	2	32	1	3	2	79	.47	.062	7	30	.92	210	.09	9	2.38	.05	.09	1	11
86-SNLG-19	1	22	6	68	.2	11	10	896	3.10	4	5	ND	2	28	1	2	2	66	.40	.044	6	16	.94	101	.09	25	1.64	.05	.07	1	6
86-SNLG-20	1	39	12	83	.3	19	13	1594	3.08	2	5	ND	2	39	1	2	2	77	.80	.068	8	34	1.01	189	.08	46	2.26	.05	.08	1	8
86-SNLG-21	1	43	8	71	.3	18	12	1054	3.27	7	5	ND	2	29	1	2	2	81	.54	.055	8	33	.96	163	.08	14	2.22	.05	.08	1	9
STD C/AU-0.5	22	63	41	138	7.3	74	30	1176	3.98	37	18	8	38	52	19	16	22	73	.48	.107	40	66	.89	186	.09	38	1.73	.10	.14	12	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-SNLG-45	1	29	5	39	.1	9	8	540	2.47	4	5	ND	3	34	1	3	2	46	.46	.054	6	11	.78	73	.09	4	1.48	.05	.07	1	2
86-SNLG-46	2	64	11	116	.4	22	17	4619	3.93	16	5	ND	2	34	2	4	2	109	.89	.121	16	34	1.33	232	.14	7	3.28	.08	.05	1	1
86-SNLG-50	1	15	9	54	.2	7	10	981	3.29	4	5	ND	4	22	1	2	2	54	.39	.054	13	14	.76	178	.03	5	1.77	.04	.10	1	6
86-SNLG-51	1	20	6	64	.1	8	10	862	3.19	6	5	ND	4	32	1	7	2	64	.53	.063	12	19	.85	160	.08	7	1.93	.65	.11	1	8
86-SNLG-52	1	16	8	60	.1	8	10	921	3.33	4	5	ND	5	33	1	2	2	62	.65	.061	11	15	.88	207	.08	7	2.12	.05	.09	1	8
86-SNLG-53	1	21	10	65	.2	12	10	722	3.18	8	5	ND	4	30	1	2	2	62	.44	.054	10	16	.86	150	.07	8	1.66	.04	.08	1	4
86-SNLG-54	1	22	7	67	.1	12	10	670	3.38	7	5	ND	4	34	1	2	2	67	.44	.054	9	17	.87	130	.08	11	1.56	.04	.07	1	10
86-SNLG-55	1	23	8	61	.2	13	11	652	3.42	5	5	ND	5	43	1	2	2	78	.56	.066	10	19	1.09	93	.13	10	1.61	.06	.09	1	2
86-SNLG-56	1	19	2	52	.1	8	10	670	3.13	5	5	ND	4	30	1	2	2	61	.41	.059	10	19	.93	93	.08	4	1.48	.04	.09	1	3
86-SNLG-57	1	22	7	58	.1	9	10	658	3.64	4	5	ND	4	34	1	3	2	76	.42	.056	10	16	.92	101	.09	6	1.54	.05	.10	1	4
86-SNLH-11	1	52	14	80	.4	19	14	893	4.12	6	5	ND	3	42	1	3	2	103	.70	.066	10	37	1.44	100	.14	43	1.96	.06	.11	1	325
86-SNLH-12	1	54	10	82	.2	18	15	936	4.05	2	5	ND	4	36	1	2	2	100	.66	.070	12	36	1.55	122	.15	33	2.05	.06	.14	1	165
86-SNLH-13	1	60	12	85	.2	18	15	1059	4.01	5	5	ND	4	38	1	2	2	98	.77	.071	13	38	1.59	132	.15	15	2.14	.06	.15	1	21
86-SNLH-14	2	28	10	92	.3	8	11	954	3.32	4	5	ND	5	42	1	3	2	62	.79	.062	14	12	1.05	178	.09	14	1.84	.05	.12	1	24
86-SNLH-15	2	27	10	93	.1	8	11	1025	3.25	4	5	ND	5	38	1	2	2	63	.74	.063	13	14	1.04	147	.08	11	1.82	.05	.11	1	10
86-SNLH-16	1	21	7	76	.1	8	10	802	3.01	2	5	ND	4	35	1	2	2	58	.62	.059	11	12	.98	107	.08	15	1.58	.05	.10	1	20
86-SNLH-22	1	27	6	58	.2	15	10	663	3.33	6	5	ND	3	33	1	2	2	85	.57	.065	7	26	1.21	102	.16	7	1.67	.07	.08	1	3
86-SNLI-23	1	66	7	74	.1	12	13	730	3.91	4	5	ND	5	57	1	2	2	114	1.17	.096	13	15	1.30	46	.21	6	2.21	.08	.10	1	2
86-SNLI-24	1	85	9	79	.2	13	15	815	4.13	7	5	ND	3	70	1	3	2	122	1.47	.112	16	18	1.33	54	.20	7	2.35	.08	.10	1	3
86-SNLI-25	1	90	10	80	.5	13	15	847	3.95	6	7	ND	4	72	1	2	2	117	1.46	.118	17	20	1.27	67	.20	7	2.47	.08	.10	1	3
86-SNLI-26	1	87	8	87	.3	14	15	747	4.23	7	5	ND	4	66	1	2	2	125	1.35	.100	15	18	1.43	55	.23	4	2.40	.08	.11	1	3
86-SNLI-27	1	71	11	99	.2	15	14	773	3.98	7	6	ND	4	56	1	4	2	114	1.07	.095	14	23	1.58	84	.20	4	2.39	.08	.13	1	2
86-SNLI-28	1	74	12	99	.2	16	15	790	4.06	2	5	ND	4	56	1	2	2	118	1.09	.096	14	26	1.74	93	.22	4	2.54	.07	.13	1	2
86-SNLI-29	2	83	15	157	.2	18	18	1005	4.16	12	5	ND	4	93	1	7	2	107	1.08	.100	18	30	1.82	157	.20	5	3.39	.09	.22	1	4
86-SNLI-30	1	20	10	93	.2	17	11	734	2.89	9	5	ND	3	98	1	2	2	54	.73	.052	9	20	1.13	164	.10	4	1.91	.04	.06	1	1
86-SNLI-31	1	31	9	67	.1	10	10	737	2.79	14	5	ND	3	56	1	2	2	58	.81	.039	10	11	.84	115	.09	6	1.93	.05	.07	1	4
86-SNLI-32	1	34	10	79	.2	13	12	785	2.96	10	5	ND	3	27	1	2	2	62	.61	.052	10	11	.73	130	.07	6	1.74	.04	.09	1	6
86-SNLI-33	1	22	10	84	.1	12	11	791	2.89	7	5	ND	4	76	1	2	2	54	.85	.042	10	13	.90	154	.09	5	2.04	.05	.07	1	5
86-SNLI-34	1	19	5	67	.1	10	10	794	2.93	7	5	ND	3	45	1	3	2	54	.83	.055	10	17	.95	88	.10	6	1.81	.05	.09	1	5
86-SNLI-35	1	43	6	65	.1	9	10	842	3.33	2	5	ND	5	36	1	2	2	70	.73	.063	11	12	1.05	59	.13	4	1.72	.06	.09	1	2
86-SNLI-36	1	42	5	50	.1	17	11	624	3.13	4	5	ND	2	52	1	3	2	81	.78	.079	8	26	1.16	46	.18	6	1.81	.06	.09	1	5
86-SNLI-37	1	32	5	43	.1	14	10	519	2.99	5	5	ND	2	47	1	2	2	76	.65	.062	8	22	.98	48	.16	5	1.56	.06	.09	2	2
86-SNLI-38	1	29	2	38	.1	12	8	481	2.53	2	5	ND	3	41	1	2	2	60	.59	.057	8	19	.86	42	.13	3	1.34	.06	.08	1	2
86-SNLI-39	1	24	3	36	.1	10	8	478	2.59	2	5	ND	3	33	1	2	2	63	.56	.048	8	14	.76	54	.11	6	1.44	.06	.07	1	1
86-SNLI-40	1	66	5	66	.4	25	13	645	3.94	4	5	ND	2	78	1	2	2	107	.88	.081	7	42	1.38	57	.25	3	2.17	.07	.11	1	2
86-SNLI-41	1	19	3	36	.1	9	7	488	2.39	5	5	ND	2	30	1	2	2	55	.55	.049	7	12	.74	50	.10	4	1.35	.07	.06	1	1
STD C/AU 0.5	20	60	40	140	7.3	73	29	1140	3.97	38	17	8	36	51	18	15	22	70	.48	.108	39	61	.89	189	.09	36	1.72	.10	.13	13	490

UTAH MINES PROJECT - 2164

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-SNLI-42	1	23	5	38	.1	8	8	468	3.01	3	6	ND	3	24	1	4	2	75	.42	.050	7	15	.64	59	.09	4	1.36	.04	.04	2	3
86-SNLI-43	1	25	5	33	.1	10	9	447	3.44	3	6	ND	4	25	1	5	2	87	.38	.050	8	17	.67	60	.09	4	1.40	.04	.04	1	10
86-SNLL-1	1	110	6	71	.2	35	22	943	4.03	2	7	ND	2	62	1	2	2	113	.98	.105	3	116	2.81	31	.29	7	2.59	.05	.16	1	1
86-SNLL-2	1	116	4	68	.1	32	20	984	3.91	4	5	ND	1	64	1	2	2	112	1.02	.099	5	114	2.66	30	.28	8	2.49	.05	.14	1	3
86-SNLL-3	1	114	8	70	.2	35	22	980	4.18	2	5	ND	1	61	1	3	2	117	.90	.104	4	124	2.91	28	.28	7	2.64	.05	.16	1	8
86-SNLL-4	1	116	10	69	.1	35	21	978	4.04	2	5	ND	1	55	1	3	2	116	.89	.097	4	123	2.82	30	.30	4	2.59	.05	.22	1	7
86-SNLL-5	1	115	8	78	.2	42	25	1128	5.16	2	6	ND	1	85	1	2	2	145	.95	.105	7	149	3.46	31	.30	6	2.95	.06	.08	1	3
86-SNLL-6	1	112	7	84	.2	34	22	1006	4.60	2	5	ND	1	92	1	2	2	124	.96	.129	5	109	2.89	17	.27	56	2.45	.06	.06	1	8
86-SNLL-7	1	135	10	90	.4	35	23	1189	4.77	3	6	ND	2	76	1	3	2	130	1.03	.125	5	118	3.01	27	.25	77	2.62	.06	.06	1	20
86-SNLL-8	1	140	7	82	.2	29	23	1052	4.30	2	5	ND	1	75	1	2	2	116	.91	.106	5	103	2.47	20	.24	173	2.19	.05	.05	1	12
86-SNLL-9	1	137	9	82	.2	29	22	1102	4.42	3	5	ND	1	82	1	2	2	122	.96	.112	6	102	2.59	23	.25	142	2.34	.05	.06	1	8
86-SNLL-10	1	121	3	74	.1	36	21	1026	4.17	7	5	ND	2	66	1	2	2	114	.99	.113	4	117	2.86	32	.28	5	2.71	.05	.16	1	6
86-SNLL-11	1	161	5	80	.2	22	22	1003	4.33	2	5	ND	2	77	1	3	2	115	.97	.149	7	54	2.23	52	.23	9	2.37	.05	.21	2	28
86-SNLL-12	1	137	10	94	.3	24	21	1118	4.51	2	5	ND	2	91	1	2	2	120	1.29	.154	9	57	2.56	47	.21	90	2.36	.06	.23	1	5
86-SNLL-13	1	139	12	81	.3	22	21	989	4.18	5	8	ND	2	79	1	2	2	111	1.02	.149	8	53	2.22	48	.22	49	2.20	.05	.22	6	12
86-SNLL-14	1	79	11	87	.3	73	29	1659	4.60	2	5	ND	1	36	1	2	2	129	.61	.080	4	296	2.96	39	.13	3	3.30	.04	.04	1	5
86-SNLL-60	1	144	11	87	.3	59	29	1176	6.76	7	5	ND	2	34	1	4	2	196	.80	.064	6	93	2.36	56	.30	4	2.93	.06	.03	1	2
86-SNLL-61	1	174	10	98	.3	68	31	1427	7.30	12	8	ND	2	36	1	2	2	203	.89	.068	5	110	2.58	69	.27	7	3.40	.06	.04	1	5
86-SNLL-62	1	144	6	85	.3	57	28	1066	6.79	7	6	ND	2	34	1	7	2	200	.82	.066	4	92	2.35	51	.33	8	2.91	.06	.03	1	9
86-SNLL-63	1	180	6	95	.3	57	32	1685	7.79	5	9	ND	2	27	1	2	2	214	.80	.051	4	77	2.22	31	.15	6	3.27	.06	.04	1	5
86-SNLL-64	1	152	10	93	.4	64	30	1302	7.06	8	6	ND	2	31	1	7	2	200	.73	.064	8	101	2.51	63	.29	8	3.21	.06	.04	1	3
86-SNLL-65	1	126	8	82	.2	60	28	1013	6.63	7	6	ND	2	35	1	2	2	193	.75	.066	7	100	2.41	48	.28	7	2.89	.05	.03	1	17
86-SNLL-66	1	152	10	89	.3	81	30	1590	6.91	3	6	ND	2	27	1	2	2	186	.68	.072	8	131	2.56	57	.17	7	3.43	.05	.03	1	11
86-SNLL-67	1	111	7	76	.3	80	29	1600	6.42	6	5	ND	2	32	1	2	2	164	.64	.091	8	138	2.65	68	.13	4	3.57	.05	.03	1	4
86-SNLL-68	1	161	10	85	.4	69	29	1736	7.06	5	7	ND	2	34	1	2	2	191	.96	.096	6	128	2.47	76	.18	9	3.67	.05	.04	1	4
86-SNLL-69	1	124	9	79	.3	64	27	1050	6.50	2	7	ND	2	42	1	2	2	184	.93	.072	5	122	2.84	64	.32	5	3.41	.07	.04	1	4
86-SNLL-70	1	143	13	88	.4	59	31	1979	6.98	19	5	ND	3	33	1	2	2	215	.59	.077	7	140	2.03	104	.25	5	3.80	.05	.05	1	6
86-SNLL-71	1	115	9	75	.3	60	28	1025	6.04	6	5	ND	1	37	1	2	2	175	.72	.061	9	119	2.58	72	.28	4	2.91	.05	.02	1	14
86-SNLL-72	1	186	14	110	.4	59	33	2311	8.25	14	5	ND	2	38	1	2	2	227	.74	.089	6	113	1.98	120	.18	4	3.41	.06	.06	1	10
86-SNLN-15	1	63	6	96	.1	68	28	1442	5.39	2	6	ND	2	46	1	5	2	119	.55	.070	2	168	3.32	34	.20	2	3.06	.05	.06	1	2
86-SNLN-74	1	119	11	116	.3	50	25	1451	4.65	2	5	ND	2	37	1	2	3	117	.92	.144	8	150	3.84	80	.27	4	3.01	.05	.18	1	12
86-SNLN-75	1	84	8	81	.3	47	23	1603	4.24	2	5	ND	1	26	1	5	2	106	.96	.118	9	173	3.23	70	.28	5	3.04	.05	.23	1	1
86-SNLN-76	3	96	13	230	.3	73	24	1262	4.88	11	5	ND	3	37	1	3	2	90	.89	.155	9	127	3.14	72	.25	5	2.48	.05	.20	1	9
86-SNLN-77	2	95	10	211	.2	64	25	1319	4.66	8	5	ND	2	37	1	7	2	94	.83	.146	8	140	3.18	77	.26	7	2.54	.05	.18	1	14
86-SNLN-78	1	95	9	134	.3	49	22	1083	4.65	6	5	ND	3	51	1	2	2	100	.83	.140	7	110	2.67	70	.27	3	2.38	.05	.14	1	8
86-SNSK-1	1	71	9	67	.4	22	15	607	6.71	2	5	ND	2	30	1	2	16	174	.23	.355	7	73	2.25	27	.29	3	3.97	.05	.12	22	1
STD C/AU-0.5	21	61	41	140	7.2	72	29	1131	3.97	41	19	7	37	50	18	16	20	70	.48	.107	38	62	.88	188	.09	39	1.72	.09	.14	13	500

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-SNSY-3	1	16	14	37	.2	10	7	578	5.42	2	5	ND	1	45	1	6	2	178	.28	.056	8	41	.57	33	.25	2	1.67	.03	.03	1	8
86-SNSL-3	1	126	10	62	.2	17	12	559	4.85	2	5	ND	3	51	1	2	2	130	.27	.209	8	78	1.16	23	.30	2	4.78	.04	.03	1	7
86-SNSM-4	1	33	12	56	.2	28	15	558	4.92	3	5	ND	2	38	1	2	2	168	.26	.043	5	95	1.54	31	.41	2	2.30	.04	.04	1	1
86-SNSM-5	1	13	16	49	.1	13	9	477	4.65	2	5	ND	1	34	1	8	2	139	.18	.089	2	49	1.04	58	.32	2	2.35	.03	.04	1	1
86-SNSM-6	1	36	15	55	.2	45	17	569	8.25	11	5	ND	2	51	1	2	2	261	.21	.068	5	216	2.14	28	.63	2	3.49	.04	.03	1	1
86-SNSM-7	1	16	10	23	.3	15	7	212	4.23	2	5	ND	1	36	1	3	2	225	.19	.028	5	75	.62	49	.39	3	1.78	.03	.02	1	1
86-SNSM-8	1	11	7	19	.3	19	6	289	2.72	2	5	ND	1	34	1	2	2	137	.34	.036	4	104	.50	36	.42	2	.87	.02	.02	1	2
86-SNSM-10	1	21	9	31	.5	16	7	196	6.68	3	5	ND	1	22	1	5	2	316	.14	.062	5	147	.65	17	.51	2	1.50	.03	.02	1	80
86-SNSM-11	1	21	8	23	.3	12	7	200	7.81	2	5	ND	1	13	1	2	2	290	.08	.122	4	96	.48	21	.45	3	1.92	.03	.02	1	34
86-SRLH-1	1	94	12	104	.2	20	18	875	5.04	7	5	ND	3	57	2	2	2	141	.64	.077	10	36	1.48	135	.17	4	2.24	.05	.11	1	55
86-SRLH-2	1	99	10	107	.2	20	17	977	4.78	7	5	ND	3	61	2	2	2	133	.75	.090	14	32	1.55	143	.18	4	2.37	.05	.12	1	125
86-SPLH-3	1	100	3	115	.8	19	17	997	4.75	7	5	ND	5	50	2	2	2	131	.65	.085	17	33	1.53	155	.20	3	2.36	.05	.18	1	75
86-SRLH-4	2	112	10	85	.4	18	17	1171	4.63	6	5	ND	3	89	1	2	2	119	1.17	.096	19	38	1.42	135	.09	6	2.99	.06	.06	1	51
86-SRLH-5	2	58	15	273	.4	22	14	1150	4.43	7	5	ND	3	35	6	5	2	104	.62	.076	12	30	1.34	261	.10	4	2.33	.05	.10	1	95
86-SRLH-6	1	87	7	85	.2	20	16	893	4.12	7	5	ND	2	75	1	3	2	98	.81	.105	10	33	1.79	114	.16	4	2.78	.07	.09	1	8
86-SRLH-7	1	75	8	71	.3	22	17	796	4.19	5	5	ND	3	76	1	2	2	105	.83	.098	8	45	1.87	107	.17	5	2.62	.07	.08	1	2
86-SRLH-8	1	25	6	60	.2	9	10	793	3.35	7	5	ND	3	35	1	2	2	76	.67	.057	10	13	.86	110	.09	2	1.95	.05	.06	1	10
86-SRLH-9	1	24	8	59	.1	9	10	730	3.61	2	5	ND	3	43	1	2	3	82	.78	.046	10	11	.67	147	.08	4	2.04	.04	.05	1	13
86-SRLH-10	1	21	7	63	.2	7	10	858	3.31	3	5	ND	5	47	1	2	2	65	.78	.061	13	10	.83	123	.10	2	2.06	.04	.07	1	8
86-SRLH-11	1	33	8	76	.1	11	11	728	3.44	3	5	ND	4	40	1	2	2	77	.60	.052	11	12	.84	110	.14	2	2.01	.04	.08	1	7
86-SRLH-12	1	18	9	58	.1	7	10	913	3.05	3	5	ND	5	80	1	2	2	58	1.42	.056	14	9	.69	166	.07	3	2.77	.05	.08	1	12
86-SRLH-13	2	71	9	76	.2	33	19	925	4.05	8	5	ND	2	43	1	2	2	122	1.19	.070	10	41	1.47	55	.20	23	2.86	.06	.06	1	8
86-SRLH-14	1	75	10	89	.2	37	18	817	4.13	11	5	ND	3	31	1	2	2	123	.81	.095	9	45	1.46	63	.19	8	2.51	.06	.08	1	12
86-SPLH-15	1	67	3	80	.3	31	17	749	3.98	9	5	ND	4	29	1	4	2	119	.75	.095	11	40	1.40	72	.19	14	2.43	.06	.10	1	8
86-SRLH-41	1	110	5	70	.3	50	19	875	4.38	7	5	ND	3	48	1	2	2	111	.75	.108	7	115	2.57	94	.13	4	2.52	.06	.06	1	5
86-SRLH-42	1	66	2	75	.2	49	20	942	4.62	13	5	ND	3	46	1	2	2	118	.74	.109	8	117	2.70	106	.14	6	2.68	.06	.07	1	5
86-SRLH-43	1	77	5	72	.1	34	17	879	4.00	8	5	ND	3	49	1	3	2	104	.85	.119	11	80	2.00	137	.13	6	2.50	.06	.07	2	10
86-SRLH-44	1	90	9	82	.3	39	19	1074	4.34	9	5	ND	3	56	1	2	2	113	.97	.133	11	105	2.48	136	.14	10	2.49	.06	.09	1	6
86-SRLH-45	1	115	8	68	.3	45	20	1004	3.89	8	5	ND	2	76	1	4	2	110	1.13	.144	11	134	2.82	129	.20	11	2.69	.06	.09	1	1
86-SRLH-46	1	98	7	83	.2	36	18	1120	4.29	11	5	ND	3	59	1	2	2	113	1.09	.134	12	98	2.38	134	.13	9	2.44	.06	.08	1	7
86-SRLH-47	1	75	7	111	.3	23	18	1055	5.20	11	7	ND	4	35	1	2	2	110	.61	.106	12	40	2.23	133	.07	7	2.70	.06	.10	1	6
86-SRLH-48	1	66	9	87	.2	31	17	1034	4.92	9	5	ND	4	39	1	2	2	107	.73	.101	12	51	1.62	147	.08	5	2.35	.06	.09	1	10
86-SRLH-49	1	74	9	100	.3	33	17	1266	4.93	13	5	ND	4	32	1	2	2	112	.73	.095	11	51	1.41	215	.06	16	2.50	.06	.09	1	185
86-SRLH-50	1	26	7	101	.2	15	11	976	3.87	3	6	ND	6	23	1	5	3	73	.51	.093	11	25	.97	185	.04	3	1.83	.05	.08	1	60
86-SRLH-51	1	28	10	217	.2	8	12	1618	3.75	2	5	ND	5	30	2	6	2	65	.79	.110	14	8	.92	172	.04	4	2.36	.05	.07	1	45
STD C/AU 0.5	20	60	36	140	7.2	72	29	1129	3.95	37	16	7	36	50	18	15	21	71	.48	.107	38	62	.88	187	.09	34	1.73	.09	.14	13	510

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-SRLI-16	1	59	7	57	.1	15	11	624	3.18	7	5	ND	4	37	1	2	3	87	.70	.073	11	24	1.00	78	.15	7	1.97	.07	.09	2	3
86-SRLI-17	1	47	5	52	.1	13	10	587	3.17	8	5	ND	5	32	1	3	2	86	.61	.064	11	21	1.01	70	.16	6	2.10	.07	.10	1	1
86-SRLI-18	2	70	7	54	.1	14	12	646	3.05	7	5	ND	4	38	1	4	2	84	.80	.074	11	26	1.03	57	.15	7	1.92	.07	.09	1	2
86-SRLI-19	1	72	6	59	.1	16	13	633	3.25	6	5	ND	4	37	1	2	2	97	.82	.075	10	30	1.21	52	.18	9	2.08	.08	.09	1	1
86-SRLI-20	1	77	7	62	.1	17	15	629	3.45	10	5	ND	3	55	1	2	2	102	.70	.066	10	35	1.20	105	.19	6	2.97	.09	.13	1	5
86-SRLI-21	1	73	5	58	.2	16	13	605	3.23	4	5	ND	2	38	1	4	2	96	.89	.080	9	30	1.25	55	.17	7	2.05	.09	.08	1	1
86-SRLI-22	1	76	6	60	.3	15	14	631	3.37	7	5	ND	2	36	1	2	2	99	.82	.078	9	32	1.28	44	.18	9	2.07	.09	.11	1	1
86-SRLI-23	2	65	5	44	.1	11	10	652	2.92	3	5	ND	7	30	1	2	2	73	.69	.079	16	22	.83	40	.11	5	1.27	.06	.05	1	1
86-SRLI-24	4	92	5	52	.2	16	12	671	2.88	5	5	ND	7	29	1	2	2	70	.64	.077	15	23	.87	44	.10	5	1.41	.05	.06	1	2
86-SRLI-25	1	64	4	47	.1	12	9	611	2.87	3	5	ND	8	27	1	3	2	72	.69	.073	15	22	.85	44	.11	5	1.31	.06	.07	2	1
86-SRLI-26	1	38	4	74	.1	11	10	664	3.37	8	5	ND	4	30	1	4	2	81	.51	.054	9	20	.79	100	.10	6	1.83	.06	.07	1	43
86-SRLI-27	1	40	7	81	.3	11	11	603	3.68	2	5	ND	5	27	1	2	2	86	.41	.055	12	17	.69	99	.09	6	1.81	.04	.06	1	2
86-SRLI-28	1	41	6	77	.2	11	10	620	3.26	5	5	ND	4	32	1	3	2	78	.53	.058	11	16	.71	103	.09	8	1.89	.04	.06	1	5
86-SRLI-29	1	65	8	65	.1	23	17	1106	3.76	2	5	ND	2	49	1	2	2	104	.79	.114	10	37	1.47	84	.20	5	2.58	.06	.11	1	1
86-SRLI-30	1	104	6	72	.1	26	17	906	4.05	2	5	ND	2	53	1	2	2	117	.80	.109	14	48	1.73	71	.24	16	2.52	.05	.20	1	6
86-SRLI-31	1	89	5	65	.1	27	16	916	3.79	6	5	ND	2	61	1	2	2	106	.86	.104	8	42	1.61	64	.24	9	2.38	.06	.13	1	1.
86-SRLI-32	1	61	8	70	.2	19	16	1033	3.86	7	5	ND	2	53	1	3	2	101	1.04	.087	12	33	1.45	76	.14	8	2.75	.05	.06	1	2
86-SRLI-33	2	132	6	89	.2	38	25	1300	5.32	3	5	ND	2	72	1	2	2	141	1.12	.143	13	107	3.32	61	.21	12	2.89	.06	.05	1	2.
86-SRLL-34	1	93	8	78	.1	63	24	955	5.51	3	5	ND	1	34	1	2	2	148	.89	.073	11	117	2.82	40	.29	3	2.96	.06	.04	1	1
86-SRLL-35	1	88	8	86	.1	67	26	956	5.83	9	5	ND	2	41	1	2	2	162	.96	.067	14	111	2.97	54	.30	5	3.16	.07	.04	1	1
86-SRLL-36	1	102	10	88	.2	70	26	1057	6.10	3	5	ND	2	34	1	2	2	165	.93	.067	14	128	2.89	58	.29	4	3.29	.07	.04	1	1
86-SRLL-37	1	100	13	93	.1	76	27	1141	6.16	2	5	ND	2	33	1	2	2	160	.80	.069	14	139	2.83	82	.23	6	3.45	.06	.04	1	2
86-SRLL-38	1	95	10	86	.2	70	26	1133	6.03	2	5	ND	1	35	1	2	2	156	.80	.074	12	129	3.00	40	.24	3	3.46	.06	.03	1	1
86-SRLL-39	1	78	4	57	.2	68	25	830	4.47	4	5	ND	1	39	1	2	3	126	.59	.070	6	168	3.21	25	.23	5	2.61	.05	.04	1	1
86-SPLL-40	1	87	7	62	.2	69	25	898	4.48	2	5	ND	2	42	1	2	2	120	.63	.082	8	183	3.25	28	.24	3	2.65	.05	.04	1	6
L130+50E 22+50N AA	1	23	12	160	.8	9	5	161	1.88	2	5	ND	1	23	1	3	2	30	.30	.080	3	9	.13	110	.04	11	1.08	.02	.02	1	1
STD C/AU-0.5	20	60	39	141	7.0	73	30	1142	3.98	40	17	7	36	50	19	16	22	70	.48	.105	40	63	.89	188	.09	35	1.72	.09	.14	13	490

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-ROCKS P2-11 SOILS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.
SILTS - -20 MESH + PULVERIZED

DATE RECEIVED: AUG 27 1986 DATE REPORT MAILED: Sept 6/86 ASSAYER. D. Toye. DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT - 2164 FILE # 86-2273 PAGE 1A

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM
86SCTCC-388	1	72	9	62	.5	24	15	681	4.53	32	5	ND	2	13	1
86SCTCX-394	4	29786	22	250	18.7	32	4	456	10.10	220	5	ND	1	75	5
86SCTEX-400	4	174	32	73	.4	72	49	396	8.60	33	5	ND	1	56	1
86LCTQ-26	1	78	2	12	.2	3	6	433	.96	2	5	ND	1	2	1
86LCTQ-29	1	23	4	2	.1	4	2	148	.42	2	5	ND	1	7	1
86SCWCT-393	5	103	12	150	.4	36	23	981	5.41	220	5	ND	1	8	1
86LCWG-21	1	130	6	286	.1	26	24	708	3.64	4	5	ND	1	37	1
86LCWI-25	1	27	6	71	.1	7	11	833	2.91	2	5	ND	2	53	1
86LCWM-27	9	39	33	93	.1	28	20	1430	22.02	20	5	ND	2	17	1
86LCWD-35	3	42	8	81	.2	12	16	929	5.34	3	5	ND	1	29	1
STD C/AU 0.5	21	61	41	137	7.1	69	30	1100	3.91	43	22	7	31	47	17

SAMPLE#	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86SCTCC-388	14	2	39	.37	.069	14	13	.25	147	.01	9	.42	.01	.24	1	1
86SCTCX-394	2	2	80	.73	.090	6	15	1.45	23	.22	2	2.07	.06	.06	1	30
86SCTEX-400	2	3	88	1.66	.183	2	158	.58	14	.14	7	2.08	.17	.25	1	16
86LCTQ-26	2	2	4	.01	.004	2	4	.18	10	.01	5	.30	.01	.02	1	4
86LCTQ-29	2	2	4	.08	.010	2	6	.07	3	.01	43	.14	.01	.01	1	1
86SCWCT-393	2	2	240	.41	.111	7	69	3.92	25	.20	4	3.07	.03	.02	1	1
86LCWG-21	2	2	75	2.74	.139	5	35	1.80	81	.23	5	2.21	.04	.63	1	1
86LCWI-25	2	2	27	.71	.086	5	8	1.16	10	.11	6	1.68	.05	.05	1	1
86LCWM-27	2	16	142	.82	.068	2	12	1.25	23	.06	2	1.47	.01	.10	1	1
86LCWD-35	2	2	66	1.61	.072	5	23	1.77	23	.18	5	1.81	.09	.06	1	1
STD C/AU 0.5	16	18	62	.48	.105	35	58	.88	175	.08	33	1.73	.06	.13	12	500

ACME ANALYTICAL LABORATORIES LTD.   852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6   PHONE 253-3158   DATA LINE 251-1011

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LiBO2 AND IS DISSOLVED IN 50 MLS 5% HNO3.
- SAMPLE TYPE: ROCK CHIPS

DATE RECEIVED: AUG 27 1986 DATE REPORT MAILED: Sept 6/86   ASSAYER. D.Toye...DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT - 2164   FILE # 86-2273

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba PPM	Y PPM	Zr PPM	LOI %	Sum
86SCWCT-393	61.38	13.56	8.06	6.21	1.49	3.40	.20	.76	.27	.12	.01	324	22	63	4.1	99.63
86LCWG-21	53.79	16.70	7.67	3.49	6.93	1.50	3.75	.82	.38	.10	.01	1346	24	88	4.4	99.81
86LCWI-25	62.33	16.91	5.56	2.00	5.26	4.55	.50	.43	.20	.13	.01	137	21	120	1.9	99.82
86LCWM-27	47.65	5.62	38.48	2.66	1.61	.40	.45	.21	.22	.20	.01	204	10	59	2.3	99.86
86LCWD-35	57.20	16.78	8.28	3.29	4.47	4.15	.85	.78	.20	.11	.01	349	25	83	3.6	99.80
STD SO-4	67.60	10.31	3.49	1.03	1.66	1.35	2.00	.55	.23	.07	.01	784	30	329	11.4	99.89

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86SRLA-94	1	39	4	69	.1	21	13	717	3.60	17	5	ND	1	43	1	3	2	66	.49	.059	8	28	1.31	140	.08	4	1.81	.02	.06	1	1
86SRLA-95	1	42	2	72	.2	18	13	721	3.74	26	5	ND	2	43	1	2	3	68	.48	.063	8	30	1.32	142	.07	3	1.86	.02	.07	1	4
86SRLA-96	1	42	2	71	.1	20	13	818	3.67	21	5	ND	1	33	1	2	2	66	.44	.068	9	27	1.27	163	.06	6	1.83	.02	.08	1	1
86SRLA-97	1	44	5	76	.1	20	14	823	3.89	32	5	ND	1	31	1	3	2	71	.40	.067	8	29	1.34	159	.06	9	1.93	.02	.09	1	6
86SRLA-98	1	51	5	79	.2	21	15	864	3.91	29	5	ND	1	25	1	2	2	72	.36	.060	8	33	1.30	184	.05	7	1.93	.02	.08	1	2
86SRLA-99	1	50	5	81	.1	22	15	913	4.15	27	5	ND	1	18	1	3	2	78	.30	.063	7	37	1.39	167	.05	4	1.99	.02	.08	1	13
86SRLA-100	1	56	3	78	.1	22	15	789	4.18	42	5	ND	1	19	1	2	2	82	.29	.058	6	37	1.43	199	.06	2	1.93	.02	.07	1	3
86SRLA-101	2	51	7	94	.2	24	16	795	4.44	37	5	ND	1	19	1	2	5	83	.25	.053	7	37	1.41	231	.05	4	1.95	.02	.07	1	5
86SRLA-105	1	65	16	121	.2	27	17	1067	4.04	31	5	ND	1	26	1	2	2	83	.42	.065	8	34	1.16	157	.14	5	2.57	.02	.06	1	9
86SRLA-106	1	61	7	128	.2	28	16	920	4.47	32	5	ND	1	24	1	2	2	89	.39	.064	7	36	1.45	130	.16	3	2.30	.03	.08	1	6
86SRLA-107	2	62	9	148	.2	30	16	799	4.25	32	5	ND	1	20	1	2	2	82	.32	.059	8	36	1.37	117	.14	5	2.06	.02	.06	1	5
86SRLA-108	1	43	5	116	.1	25	13	842	3.92	45	5	ND	1	17	1	2	3	81	.27	.049	7	34	1.34	110	.10	4	2.13	.02	.08	1	1
86SRLA-109	1	50	5	123	.2	30	17	851	4.37	29	5	ND	1	20	1	2	2	87	.29	.042	8	39	1.42	118	.12	4	2.24	.02	.08	1	11
86SRLA-110	1	43	4	121	.1	24	14	853	4.03	20	5	ND	1	17	1	2	2	84	.25	.044	7	35	1.43	120	.12	5	2.34	.03	.09	1	3
86SRLA-111	1	48	7	113	.1	27	16	785	4.57	22	5	ND	1	24	1	2	2	91	.30	.044	8	43	1.55	106	.14	6	2.38	.03	.09	1	2
86SRLA-112	1	51	11	99	.2	21	17	1637	4.08	31	5	ND	1	22	1	2	2	82	.38	.047	9	25	1.06	181	.09	4	2.58	.02	.07	1	1
86SRLA-120	1	48	2	87	.1	22	14	1102	4.18	111	5	ND	1	30	1	2	2	74	.47	.042	7	29	1.12	201	.08	6	2.37	.03	.07	1	2
86SRLA-121	1	38	4	82	.2	22	11	922	3.97	80	5	ND	1	25	1	2	2	73	.42	.041	5	34	1.32	151	.10	3	2.17	.02	.07	1	1
86SRLA-122	1	35	10	75	.3	15	9	397	3.72	14	5	ND	1	17	1	2	2	48	.49	.141	7	14	.94	68	.06	2	1.17	.01	.08	1	8
86SRLA-123	1	44	2	87	.1	20	13	863	3.79	15	5	ND	1	27	1	2	2	77	.44	.044	7	29	1.31	145	.15	6	2.23	.02	.06	1	4
86SRLA-124	1	42	5	71	.1	19	13	935	3.76	14	5	ND	1	23	1	2	2	77	.38	.047	7	28	1.24	172	.14	4	2.17	.03	.07	1	1
86SRLA-125	1	49	4	71	.1	22	15	869	3.96	16	5	ND	1	32	1	2	2	87	.41	.043	7	29	1.26	550	.17	2	2.16	.02	.06	1	2
86SRLA-126	1	56	6	70	.1	22	15	827	4.10	11	5	ND	1	27	1	2	2	90	.40	.067	6	34	1.36	157	.17	2	2.53	.03	.08	1	1
86SRLB-113	1	66	5	67	.1	19	15	735	4.01	9	5	ND	1	33	1	2	2	89	.63	.066	8	30	1.26	117	.22	3	2.47	.05	.08	1	1
86SRLB-114	1	65	6	71	.1	21	14	739	4.30	9	5	ND	1	33	1	2	2	94	.68	.076	7	31	1.40	102	.23	3	2.59	.06	.10	1	1
86SRLB-115	1	60	2	67	.1	18	14	732	3.89	8	5	ND	1	30	1	2	2	86	.67	.072	8	28	1.25	99	.23	6	2.33	.05	.08	1	1
86SRLB-116	1	59	2	68	.1	19	14	785	3.88	8	5	ND	1	28	1	2	2	86	.59	.071	8	28	1.25	93	.22	2	2.36	.04	.08	1	1
86SRLB-117	1	77	7	68	.1	19	15	718	4.36	10	5	ND	1	30	1	2	2	98	.52	.055	9	32	1.29	117	.24	2	2.87	.03	.09	1	2
86SRLB-118	1	72	8	65	.1	20	15	696	4.07	9	5	ND	1	31	1	2	2	93	.62	.066	9	30	1.23	96	.23	3	2.57	.04	.09	1	1
86SRLB-119	1	70	9	77	.1	20	15	939	4.00	71	5	ND	1	31	1	3	3	69	.45	.051	10	25	.79	865	.04	4	2.27	.02	.07	1	1
86SRSA-5	1	73	12	83	.2	9	20	1142	5.49	10	5	ND	1	15	1	2	2	112	.13	.157	9	39	.34	65	.16	2	4.53	.01	.02	1	1
86SRSA-6	1	100	2	87	.3	7	15	518	7.34	15	5	ND	1	10	1	2	2	145	.07	.205	11	24	.57	128	.04	2	4.74	.01	.04	1	2
86SRSA-7	1	66	5	85	.4	15	13	484	5.10	10	5	ND	1	11	1	2	5	81	.09	.127	10	28	.52	77	.02	2	4.39	.01	.03	1	2
86SRSA-8	1	40	6	48	.1	12	8	345	4.53	9	5	ND	1	14	1	2	2	98	.14	.051	10	27	.46	55	.11	2	2.67	.01	.02	1	4
86SRSA-9	1	52	5	48	.3	13	10	330	4.53	17	5	ND	1	13	1	2	2	100	.11	.061	11	32	.56	66	.09	2	2.93	.01	.03	1	6
86SRSA-10	1	56	8	68	.1	19	12	344	4.53	7	5	ND	1	12	1	2	3	91	.11	.047	12	30	.56	129	.05	2	3.58	.01	.03	1	1
STD C/AU 0.5	21	61	40	136	7.2	66	30	1093	3.92	42	20	8	32	49	19	16	21	62	.48	.107	40	59	.88	182	.08	40	1.73	.06	.13	12	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM
86SRSA-11	2	115	4	122	.1	26	27	1099	6.18	28	5	ND	1	9	1	3	2
86SRSA-12	1	28	2	57	.4	7	8	364	4.16	12	5	ND	1	8	1	6	2
86SRSA-13	1	28	8	43	.1	11	7	343	6.34	12	5	ND	1	11	1	2	2
86SRSA-14	1	39	2	55	.1	13	8	319	3.98	7	5	ND	1	11	1	2	2
86SRSA-15	1	78	6	106	.1	17	14	365	6.29	22	5	ND	1	9	1	3	2
86SRSA-16	1	34	2	42	.1	12	6	208	5.20	5	5	ND	1	11	1	2	2
86SRSA-17	1	46	6	72	.1	13	9	305	4.49	9	5	ND	1	12	1	2	3
86SRSA-18	1	29	2	41	.2	11	8	375	4.18	7	5	ND	1	14	1	2	3
86SRSA-19	1	44	2	57	.1	14	8	291	4.58	11	5	ND	1	11	1	2	4
86SRSA-20	1	27	9	55	.1	11	7	352	6.04	9	5	ND	1	8	1	2	2
86SRSA-21	1	54	2	68	.2	15	9	318	4.55	15	5	ND	1	11	1	2	2
86SRSA-22	1	41	2	64	.2	10	8	262	3.81	5	5	ND	1	12	1	2	2
86SRSA-23	1	67	2	64	.1	19	11	355	4.72	22	5	ND	1	12	1	2	3
86SRSA-24	1	60	4	125	.4	41	15	2285	3.54	23	5	ND	1	21	1	2	7
86SRSA-25	1	28	7	45	.1	14	8	211	4.96	57	5	ND	1	4	1	7	2
86SRSA-26	1	38	8	65	.1	15	9	290	4.66	18	5	ND	1	15	1	2	2
86SRSA-27	1	69	3	74	.2	22	15	511	4.05	12	5	ND	1	19	1	2	3
86SRSA-28	1	37	2	90	.2	16	11	403	3.95	13	5	ND	1	18	1	2	3
86SRSA-29	1	100	4	77	.1	29	18	557	4.33	17	5	ND	1	16	1	2	2
86SRSA-30	1	85	2	79	.1	22	20	564	4.45	22	5	ND	1	18	1	2	2
86SRSA-31	1	62	2	83	.2	15	13	543	3.80	10	5	ND	1	24	1	2	2
86SRSA-32	1	65	9	78	.3	18	13	402	4.08	10	5	ND	1	18	1	2	2
86SRSA-33	1	67	6	99	.1	25	17	533	3.93	12	5	ND	1	19	1	2	2
86SRSA-34	1	78	2	80	.3	26	17	514	4.78	13	5	ND	1	21	1	2	2
86SRSA-35	1	50	2	82	.1	20	13	373	4.24	10	5	ND	1	19	1	2	2
86SRSA-36	1	31	4	65	.1	11	8	338	2.79	10	5	ND	1	17	1	2	2
86SRSA-37	1	60	3	70	.2	25	15	706	3.96	15	5	ND	1	19	1	2	3
86SRSA-38	1	57	2	80	.1	21	16	674	3.91	10	5	ND	1	20	1	2	2
86SRSB-1	1	64	11	67	.2	13	11	543	4.85	24	5	ND	1	8	1	2	4
86SRSB-2	1	45	6	42	.1	10	7	356	4.28	20	5	ND	1	14	1	2	2
86SRSB-3	1	87	11	109	.3	24	15	412	4.60	16	5	ND	1	14	1	2	2
86SRSB-4	1	59	4	101	.1	17	11	444	5.76	19	5	ND	1	11	1	2	2
STD C/AU 0.5	22	60	44	138	7.1	69	30	1107	3.92	42	22	8	32	47	18	16	20

SAMPLE#	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au† PPB
86SRSA-11	89	.10	.085	4	27	.51	142	.01	7	3.32	.01	.04	2	9
86SRSA-12	86	.09	.052	3	14	.29	51	.01	2	2.28	.01	.03	1	11
86SRSA-13	126	.11	.081	3	27	.44	39	.10	2	2.64	.01	.03	1	12
86SRSA-14	82	.09	.074	4	23	.45	49	.05	3	2.86	.01	.03	1	5
86SRSA-15	92	.08	.095	3	30	.52	80	.04	4	3.36	.01	.04	1	9
86SRSA-16	121	.10	.047	3	38	.40	42	.09	2	3.21	.01	.02	1	10
86SRSA-17	97	.14	.133	4	28	.48	64	.08	2	2.76	.01	.03	1	6
86SRSA-18	100	.16	.055	5	25	.46	105	.10	2	2.34	.01	.02	1	8
86SRSA-19	99	.13	.076	3	29	.55	51	.12	2	3.30	.01	.03	1	5
86SRSA-20	102	.09	.119	2	21	.36	42	.03	2	2.25	.01	.03	1	20
86SRSA-21	99	.13	.063	4	33	.54	55	.15	2	3.71	.01	.03	1	8
86SRSA-22	87	.14	.063	4	21	.39	115	.03	2	2.52	.01	.03	1	4
86SRSA-23	93	.10	.068	4	29	.59	116	.05	2	3.30	.01	.03	1	7
86SRSA-24	63	.27	.059	11	26	.67	843	.04	3	3.05	.01	.03	1	8
86SRSA-25	60	.03	.063	2	16	.10	27	.01	3	1.48	.01	.03	1	1
86SRSA-26	107	.12	.071	3	31	.51	47	.12	2	3.60	.01	.02	1	3
86SRSA-27	97	.17	.065	4	35	.91	100	.12	5	3.61	.01	.04	1	2
86SRSA-28	84	.15	.090	3	31	.56	71	.10	2	3.16	.01	.03	1	1
86SRSA-29	97	.15	.071	3	39	1.02	178	.10	3	4.24	.01	.06	1	6
86SRSA-30	102	.14	.058	4	40	.96	110	.11	2	4.34	.01	.05	1	9
86SRSA-31	89	.17	.073	3	28	.68	77	.11	4	3.41	.01	.03	1	6
86SRSA-32	97	.14	.052	2	28	.76	77	.07	2	3.50	.01	.03	1	9
86SRSA-33	88	.16	.056	4	37	.91	95	.15	5	3.81	.01	.04	1	4
86SRSA-34	108	.18	.061	9	44	.87	115	.19	4	4.43	.01	.06	1	3
86SRSA-35	102	.19	.066	3	39	.81	66	.19	4	4.09	.01	.04	1	50
86SRSA-36	69	.16	.055	4	23	.38	52	.08	4	2.25	.01	.02	1	1
86SRSA-37	94	.19	.069	4	37	1.06	107	.17	5	3.50	.01	.05	1	3
86SRSA-38	92	.16	.060	3	35	.86	95	.14	2	3.74	.01	.04	1	9
86SRSB-1	87	.08	.113	2	25	.54	73	.02	6	3.35	.01	.03	3	4
86SRSB-2	100	.12	.044	3	17	.37	76	.05	2	2.25	.01	.02	2	4
86SRSB-3	98	.13	.058	5	36	.67	113	.11	3	4.22	.01	.04	1	3
86SRSB-4	103	.10	.116	3	31	.60	77	.06	4	4.16	.01	.03	1	3
STD C/AU 0.5	62	.48	.110	36	59	.88	175	.08	37	1.73	.06	.13	14	490

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86SNLA-144	1	35	15	76	.2	16	14	1353	4.25	16	5	ND	1	29	1	2	2	96	.43	.058	4	29	1.23	183	.16	4	2.57	.04	.10	1	2
86SNLA-145	2	53	9	83	.1	21	15	1166	3.83	27	5	ND	1	32	1	2	2	78	.37	.061	4	27	1.05	267	.10	3	2.57	.02	.10	1	7
86SNLA-146	1	46	7	71	.1	24	14	901	4.20	15	5	ND	1	21	1	2	2	83	.30	.062	2	41	1.48	143	.09	6	2.16	.02	.09	1	17
86SNLA-147	1	58	11	70	.1	19	15	863	3.98	21	6	ND	1	24	1	2	2	74	.28	.044	2	25	1.14	260	.06	7	2.14	.02	.08	1	11
86SNLA-148	1	59	9	77	.1	22	15	1015	4.14	32	5	ND	1	26	1	2	2	74	.35	.056	2	27	1.15	269	.05	5	2.14	.01	.08	1	8
86SNLA-149	2	69	6	75	.1	22	17	869	4.70	36	5	ND	1	18	1	2	2	83	.27	.069	2	34	1.38	227	.04	4	1.94	.02	.09	1	10
86SNLA-150	2	59	17	99	.2	25	18	1838	3.55	32	5	ND	1	26	1	2	2	69	.42	.053	5	23	.82	264	.06	5	2.10	.02	.07	1	6
86SNLA-151	1	49	12	94	.2	18	15	1129	3.22	11	5	ND	1	24	1	2	2	69	.36	.041	3	21	.85	158	.09	5	2.05	.02	.07	1	12
86SNLA-152	1	51	12	107	.1	21	14	790	3.39	12	5	ND	1	18	1	2	2	80	.34	.040	2	22	1.03	107	.11	5	1.85	.02	.07	1	38
86SNLA-153	1	25	8	69	.1	21	10	766	3.06	11	5	ND	1	16	1	2	2	62	.19	.032	2	20	.88	105	.10	7	1.72	.02	.07	2	3
86SNLA-154	1	34	4	78	.1	21	14	1169	3.69	25	5	ND	1	16	1	2	2	80	.22	.040	2	28	1.17	98	.11	2	2.08	.02	.07	1	5
86SNLA-155	1	25	12	94	.1	14	8	439	3.11	16	5	ND	1	17	1	2	2	60	.17	.034	6	19	.69	133	.05	2	1.86	.02	.07	1	1
86SNLA-156	2	48	12	103	.2	28	13	781	3.72	54	5	ND	1	15	1	4	2	44	.19	.045	4	14	.43	272	.01	6	1.07	.01	.08	1	2
86SNLA-157	2	45	11	103	.1	31	12	764	3.66	75	5	ND	1	18	1	6	4	49	.23	.040	3	15	.46	375	.01	7	1.22	.01	.08	1	1
86SNLA-158	1	41	9	91	.1	24	11	752	3.47	63	5	ND	1	18	1	5	2	53	.28	.062	4	17	.56	345	.02	7	1.21	.01	.08	1	2
86SNLA-159	1	32	9	76	.1	26	14	1294	3.87	4	5	ND	1	27	1	2	2	86	.31	.068	2	45	1.37	95	.12	2	2.53	.02	.07	1	4
86SNLA-160	2	53	6	119	.1	58	22	1585	4.75	8	5	ND	1	28	1	2	2	119	.35	.073	2	88	2.41	131	.17	4	3.62	.02	.10	1	2
86SNLA-161	1	44	8	140	.1	37	22	2113	3.86	13	5	ND	1	33	1	2	2	84	.34	.066	4	51	1.46	148	.11	3	3.22	.02	.06	2	1
86SNLA-162	1	42	21	118	.1	20	26	2300	4.13	8	5	ND	1	17	1	2	2	86	.24	.068	6	25	1.01	136	.10	5	3.32	.02	.06	1	3
86SNLB-163	1	55	4	65	.1	19	13	649	3.85	4	5	ND	1	29	1	2	2	85	.62	.065	3	30	1.37	84	.19	2	2.25	.05	.08	1	1
86SNLB-164	1	68	9	68	.1	20	16	741	4.00	8	5	ND	1	27	1	2	2	89	.56	.062	5	32	1.32	110	.19	3	2.45	.04	.08	1	2
86SNLB-165	1	60	7	66	.1	22	14	705	3.89	4	5	ND	1	27	1	2	2	88	.62	.060	5	33	1.41	102	.18	4	2.25	.05	.08	1	22
86SNLB-166	1	66	6	57	.1	19	14	594	3.56	5	5	ND	1	29	1	2	2	86	.73	.061	5	31	1.28	93	.20	4	2.12	.06	.07	1	3
86SNLB-167	1	58	5	73	.1	21	14	706	3.92	6	5	ND	1	23	1	2	2	87	.46	.056	4	32	1.46	93	.16	3	2.22	.04	.08	1	2
86SNLB-168	1	63	8	81	.1	22	16	781	4.20	8	5	ND	1	22	1	2	2	90	.42	.052	5	34	1.43	112	.16	4	2.40	.03	.07	1	255
86SNLB-169	1	64	14	82	.1	21	17	901	4.25	10	5	ND	1	23	1	2	2	94	.45	.053	6	35	1.36	116	.17	3	2.42	.03	.08	1	35
86SNLB-170	1	71	11	87	.1	26	18	897	4.45	11	5	ND	1	21	1	2	2	93	.39	.065	6	36	1.41	137	.16	4	2.69	.02	.08	1	13
86SNLB-171	1	59	5	87	.1	21	15	683	4.18	8	5	ND	1	22	1	2	2	94	.39	.039	5	32	1.29	106	.18	3	2.31	.03	.07	1	10
86SNLB-172	1	43	3	108	.1	20	12	750	4.05	10	5	ND	1	17	1	2	2	78	.30	.043	4	26	1.23	87	.11	2	2.21	.02	.07	1	39
86SNLB-173	1	64	6	87	.2	23	16	775	4.59	12	5	ND	1	21	1	2	2	93	.39	.060	6	31	1.34	123	.18	2	2.43	.03	.08	1	6
86SNLB-174	2	72	11	97	.2	27	18	935	4.77	17	5	ND	1	20	1	2	2	93	.34	.073	7	35	1.39	162	.16	3	2.80	.02	.09	2	12
86SNLB-175	1	72	3	88	.1	23	17	649	4.49	11	5	ND	1	20	1	2	2	97	.34	.045	6	36	1.25	128	.17	4	3.09	.02	.08	1	20
86SNLB-176	1	49	8	125	.1	18	15	1141	4.67	16	5	ND	1	13	1	2	2	80	.26	.064	7	23	1.12	95	.09	2	2.36	.02	.08	2	11
86SNLB-177	1	45	10	72	.1	14	14	808	3.16	7	5	ND	1	23	1	2	2	53	.38	.037	5	20	1.06	237	.06	4	2.00	.02	.07	1	4
86SNLB-178	1	30	8	73	.1	13	12	642	3.47	3	5	ND	1	18	1	2	2	54	.25	.035	3	19	1.33	154	.06	2	2.00	.02	.08	1	1
86SNLB-179	1	49	14	106	.1	27	18	1680	2.97	5	5	ND	1	28	1	2	2	58	.50	.051	8	22	.82	328	.10	4	2.20	.02	.06	2	4
STD C/AU 0.5	21	61	38	135	7.1	70	30	1085	3.92	41	21	8	32	47	17	16	20	61	.48	.103	35	59	.88	176	.08	34	1.73	.06	.13	13	505

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86SNLB-180	1	33	8	110	.1	24	16	1447	3.02	7	5	ND	1	20	1	2	2	55	.32	.039	6	18	.84	209	.08	11	2.12	.02	.07	1	3
86SNLB-181	1	34	2	99	.1	22	21	2797	3.43	7	5	ND	1	20	1	2	2	61	.31	.048	5	16	.84	225	.10	5	2.52	.02	.07	1	2
86SNLB-182	1	78	4	67	.1	23	17	611	3.34	25	5	ND	1	29	1	2	3	74	.52	.090	4	42	1.55	76	.18	5	1.96	.03	.28	1	4
86SNLB-183	2	73	4	66	.1	23	15	618	3.36	20	5	ND	1	28	1	2	3	73	.50	.090	4	40	1.43	76	.18	5	1.91	.03	.26	1	5
86SNLB-184	1	69	2	54	.1	29	15	522	3.09	12	5	ND	1	54	1	2	3	83	.67	.091	6	65	1.79	70	.22	3	2.07	.02	.34	1	5

T- Disc
Sept 11/86

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK CHIPS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 2 1986 DATE REPORT MAILED: Sept 8/86 ASSAYER. D. Toye. .DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT 2164 FILE # 86-2417 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-SRWAC-53	3	16	24	74	.2	1	4	427	1.47	37	5	ND	3	9	1	2	5	3	.06	.026	24	4	.04	572	.01	10	.40	.02	.14	1	1
86-SRWAC-54	1	81	2	112	.2	18	19	964	4.95	62	5	ND	1	28	1	4	5	71	.21	.064	5	11	.57	200	.02	6	1.68	.07	.19	1	9
86-SRWAG-63	1	79	7	91	.1	32	20	505	4.98	7	5	ND	1	58	1	2	2	63	.69	.244	11	60	2.09	56	.15	4	2.03	.02	.43	1	1
86-SRWAT-38	1	75	12	56	.1	20	16	1024	3.25	7	5	ND	2	21	1	2	3	85	.57	.075	9	29	1.43	44	.17	2	1.83	.03	.06	1	2
86-SRWAT-46	1	8	7	44	.1	4	4	299	2.22	6	5	ND	2	5	1	2	4	17	.06	.032	18	5	.97	88	.05	4	1.25	.04	.34	1	1
86-SRWAT-49	1	16	4	88	.1	25	17	952	5.07	5	5	ND	1	16	1	4	2	116	.48	.086	2	48	2.96	70	.20	2	2.65	.03	.07	1	1
86-SRWAT-50	1	33	20	121	.1	23	24	532	6.09	14	5	ND	1	15	1	2	2	279	.66	.189	6	41	3.61	88	.35	2	3.12	.06	.58	1	1
86-SRWAT-51	1	32	2	53	.1	27	16	379	3.72	3	5	ND	1	19	1	2	2	126	.61	.068	2	50	2.31	27	.20	2	1.91	.06	.02	1	1
86-SRWAT-55	1	39	11	70	.2	11	11	824	2.77	2	9	ND	2	53	1	2	2	72	4.32	.056	2	9	1.29	53	.25	12	1.59	.06	.15	1	1
86-SRWAT-56	1	37	10	77	.1	14	16	1024	4.18	9	6	ND	2	50	1	2	2	136	2.40	.075	5	23	2.42	250	.25	10	3.35	.05	.04	2	1
86-SRWAT-57	1	66	17	77	.2	9	14	641	4.09	3	5	ND	1	34	1	2	2	126	1.40	.068	8	17	1.93	222	.19	3	2.86	.09	.04	1	1
86-SRWAT-58	1	31	7	43	.1	11	12	725	2.78	3	5	ND	1	60	1	2	2	78	1.47	.084	4	17	1.10	180	.26	7	1.72	.21	.04	2	1
86-SRWAT-59	1	42	12	56	.1	12	14	505	3.57	3	5	ND	1	24	1	2	2	112	.60	.084	5	28	1.63	50	.19	5	1.88	.10	.03	1	1
86-SRWAX-60	1	36	16	66	.1	35	17	483	5.45	7	5	ND	1	59	1	2	2	53	.87	.263	5	62	1.70	59	.20	5	2.04	.03	.22	1	12
86-SRWIT-42	1	27	7	60	.2	7	8	459	3.20	7	5	ND	5	24	1	2	2	70	.19	.049	15	14	2.41	494	.19	8	2.58	.04	1.19	1	2
86-SRWJT-39	1	62	15	67	.1	12	14	744	3.34	3	5	ND	2	61	1	2	3	79	.76	.112	8	26	1.99	22	.26	3	2.00	.04	.12	5	1
86-SRWJT-40	1	22	2	44	.1	3	5	296	1.41	2	5	ND	1	165	1	2	2	15	1.01	.047	7	7	.50	93	.13	3	1.05	.03	.13	1	1
STD C/AU-0.5	21	62	41	137	7.0	74	31	1184	3.97	42	21	8	36	51	19	15	22	68	.48	.121	39	66	.89	189	.09	38	1.73	.07	.14	13	500

UTAH MINES PROJECT - 2164 FILE # 86-2417

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM
86-SRTAA-48	4	13	55	66	.1	8	5	88	1.05	27	5	ND	1	4	1
86-SRTAC-62	1	25	4	37	.1	10	6	336	1.80	2	5	ND	1	6	1
86-SRTAD-61	1	25	2	52	.1	8	10	275	2.60	6	5	ND	1	21	1
86-SRTAS-52	1	94	11	86	.2	13	17	785	4.86	59	5	ND	1	10	1
86-SRTAX-47	1	61	14	70	.2	7	34	1019	8.30	24	8	ND	1	65	1
86-SRTIX-41	1	145	13	55	.1	8	17	379	3.70	2	5	ND	4	23	1
STD C/AU-0.5	21	58	39	135	7.0	63	30	1102	3.96	42	21	8	33	49	17

SAMPLE#	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-SRTAA-48	2	2	4	.04	.014	3	8	.04	45	.01	2	.17	.01	.08	1	1
86-SRTAC-62	2	2	8	.13	.017	5	5	.40	85	.01	7	.56	.01	.11	2	1
86-SRTAD-61	2	2	39	.24	.026	5	9	1.13	94	.06	4	1.50	.03	.06	1	1
86-SRTAS-52	16	2	60	.09	.040	7	17	.47	84	.01	2	1.04	.02	.12	1	1
86-SRTAX-47	3	2	159	2.07	.106	9	9	2.80	49	.01	2	2.95	.02	.15	3	1
86-SRTIX-41	2	2	44	.30	.046	13	13	2.17	257	.20	2	2.47	.05	1.13	1	1
STD C/AU-0.5	16	22	63	.48	.111	37	60	.89	180	.08	38	1.73	.07	.13	15	510

Sept 11/86

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LIBO2 AND IS DISSOLVED IN 50 MLS 5% HNO3.
- SAMPLE TYPE: ROCK CHIPS

DATE RECEIVED: SEPT 2 1986 DATE REPORT MAILED: Sept 8/86 ASSAYER. D.Toye ...DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT - 2164 FILE # 86-2413 PAGE 1A

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba PPM	Y PPM	Zr PPM	LOI %	Sum
86-SRWAC-53	78.21	11.59	2.18	.33	.17	1.00	2.65	.26	.04	.04	.01	882	36	197	3.2	99.88
86-SRWAC-54	63.28	16.93	7.39	1.33	1.00	1.00	2.60	.73	.15	.10	.01	878	29	98	4.9	99.60
86-SRWAG-63	54.42	17.43	9.76	4.11	2.63	1.45	5.15	.75	.53	.07	.03	607	29	135	3.4	99.87
86-SRWAT-38	70.49	10.86	6.06	3.13	2.18	1.90	2.15	.46	.16	.20	.01	1472	16	100	1.9	99.80
86-SRWAT-46	74.02	12.03	3.41	1.88	.16	3.00	3.10	.31	.07	.03	.01	1039	37	186	1.6	99.85
86-SRWAT-49	59.90	16.01	7.94	4.92	1.53	4.15	.95	.73	.21	.10	.01	352	25	91	3.3	99.83
86-SRWAT-50	49.97	16.28	11.52	6.56	3.01	3.25	1.90	2.57	.46	.15	.01	1566	53	245	3.7	99.72
86-SRWAT-51	52.39	16.72	10.03	6.61	4.73	5.05	.70	.85	.18	.13	.02	662	22	82	2.3	99.85
86-SRWAT-55	54.77	13.88	6.26	3.59	8.91	2.75	2.20	.57	.13	.12	.01	1291	23	70	6.3	99.75
86-SRWAT-56	51.52	18.04	8.40	5.23	6.17	4.40	.75	.80	.18	.17	.01	527	25	80	3.9	99.68
86-SRWAT-57	57.72	16.46	7.47	4.03	4.30	3.85	1.10	.84	.16	.10	.01	735	25	100	3.6	99.80
86-SRWAT-58	60.43	14.81	6.15	3.04	6.84	3.55	.95	.81	.19	.13	.01	826	32	68	2.7	99.78
86-SRWAT-59	54.98	18.01	8.54	4.59	4.79	4.70	.60	.77	.20	.13	.01	536	29	79	2.3	99.74
86-SRWAX-60	51.70	17.96	10.43	3.49	3.93	2.20	4.10	.75	.58	.07	.02	904	32	134	4.4	99.82
86-SRWIT-42	64.38	15.71	4.99	4.21	1.70	2.65	2.80	.40	.13	.05	.01	1296	19	146	2.4	99.70
86-SRWJT-39	59.24	16.33	6.30	3.49	4.24	3.35	2.65	.57	.25	.10	.01	1041	22	154	3.0	99.75
86-SRWJT-40	66.00	15.77	3.77	1.15	5.29	2.70	1.85	.36	.11	.05	.01	1292	22	168	2.3	99.63
STD SO-4	67.52	10.50	3.50	1.03	1.66	1.40	1.90	.56	.22	.06	.01	791	29	331	11.3	99.85

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SILTS -BOMESH AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.
P3-4 ROCKS

DATE RECEIVED: SEPT 6 1986 DATE REPORT MAILED: Sept 13/86 ASSAYER. [signature] ..DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT - 2164 FILE # 86-2508 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-LCL-1	1	62	5	85	.1	32	16	794	4.02	2	5	ND	2	51	1	2	3	101	.71	.106	5	69	1.99	66	.28	6	2.08	.06	.15	1	1
86-LCL-2	1	88	8	118	.1	41	20	1153	4.68	2	5	ND	2	55	1	2	2	110	.91	.134	8	104	3.10	77	.24	3	2.65	.06	.20	1	44
86-LCL-3	1	46	3	80	.1	32	15	758	3.61	2	5	ND	1	64	1	2	2	99	.83	.061	5	65	1.98	95	.25	2	2.28	.06	.10	1	2
86-LCL-4	1	40	2	66	.2	32	15	844	3.62	2	5	ND	2	83	1	2	2	108	1.14	.054	3	58	1.50	45	.28	6	2.05	.07	.08	1	6
86-LNL-206	1	51	8	98	.1	30	12	661	4.20	4	5	ND	2	60	1	2	2	105	.80	.063	3	41	1.33	60	.28	3	2.40	.07	.11	1	5
86-LNL-207	1	47	13	224	.1	21	17	1294	4.21	7	5	ND	1	52	1	8	2	109	1.03	.052	4	32	1.00	66	.20	5	2.94	.06	.08	1	1
86-LNL-208	1	55	10	237	.1	23	15	1163	4.86	5	5	ND	2	54	1	2	2	114	1.18	.063	2	37	1.47	46	.29	4	2.95	.07	.09	1	3
86-LNL-209	1	60	5	95	.1	23	13	991	4.66	2	5	ND	1	51	1	2	2	116	1.11	.063	2	30	1.56	31	.33	5	2.68	.08	.07	1	1
86-LNL-210	1	50	6	99	.2	16	10	1051	4.69	2	5	ND	2	61	1	2	2	98	1.66	.072	3	26	1.54	22	.34	8	2.99	.07	.08	1	1
86-LNL-211	1	49	6	87	.1	21	14	1023	4.40	2	5	ND	1	47	1	2	2	108	.99	.059	2	31	1.47	31	.31	5	2.60	.08	.05	1	1
86-LNL-212	1	55	6	88	.1	26	14	953	4.50	2	5	ND	2	49	1	5	2	109	.99	.068	3	33	1.59	39	.32	7	2.65	.08	.07	1	2
86-LNL-213	1	91	2	60	.1	44	16	799	3.25	2	5	ND	1	54	1	2	2	96	.72	.071	3	83	1.74	37	.24	2	2.79	.06	.09	1	1
86-LNL-214	1	63	5	87	.1	31	15	730	3.50	4	5	ND	2	44	1	2	2	86	.73	.070	3	51	1.45	28	.23	4	2.30	.07	.09	1	1
86-LNL-215	1	50	5	89	.1	22	12	831	4.55	2	5	ND	2	54	1	2	2	106	.96	.081	3	34	1.59	34	.32	5	2.50	.07	.09	1	2
86-LCS-1	1	25	15	45	.2	14	40	2474	5.94	3	5	ND	1	46	1	2	4	64	1.93	.084	2	25	.43	65	.10	7	1.28	.07	.05	1	1
86-SCSG-7	1	22	11	21	.1	4	4	274	5.83	9	5	ND	1	10	1	5	3	191	.07	.050	3	14	.18	40	.10	2	1.87	.03	.03	1	6
86-SCSG-8	1	33	12	44	.1	9	5	1102	6.92	12	5	ND	1	12	1	6	2	163	.08	.118	4	21	.34	65	.13	2	2.37	.04	.04	2	19
86-SCSG-9	1	20	9	30	.3	7	3	814	5.81	2	5	ND	2	9	1	4	2	167	.09	.072	3	21	.27	46	.21	2	1.95	.03	.04	1	1
86-SCSG-10	1	65	10	51	.1	14	7	915	4.99	13	5	ND	3	11	1	4	6	92	.09	.105	6	24	.69	61	.10	3	3.42	.04	.07	2	12
86-SCSG-11	1	25	13	39	.1	8	9	5875	5.47	5	5	ND	1	17	1	5	2	113	.10	.092	4	17	.35	91	.20	2	1.80	.03	.03	1	6
86-SNL-44	1	22	5	40	.1	11	8	.547	2.72	2	5	ND	3	35	1	2	2	63	.60	.048	7	17	.76	58	.11	6	1.59	.07	.08	2	1
86-SNLB-185	1	91	3	57	.2	20	14	629	3.80	2	5	ND	2	62	1	2	2	116	.88	.083	3	40	2.12	90	.27	2	2.48	.07	.28	1	2
86-SNLB-186	1	135	2	84	.3	29	21	994	5.32	3	5	ND	3	41	1	2	2	121	.79	.148	9	71	3.27	57	.14	6	3.13	.06	.18	1	5
86-SNLB-187	1	86	3	61	.1	20	13	699	3.83	2	5	ND	2	50	1	2	2	103	.91	.095	5	39	1.85	89	.22	4	2.35	.08	.21	1	4
86-SNLB-188	1	74	3	67	.1	30	15	794	3.77	3	5	ND	2	75	1	4	2	103	.89	.084	7	65	1.66	107	.27	9	2.58	.07	.21	1	1
86-SNLB-189	1	69	7	60	.1	28	14	731	3.43	2	5	ND	2	74	1	3	2	98	.87	.080	7	62	1.58	96	.26	10	2.33	.06	.18	1	3
86-SNLB-190	1	77	3	62	.1	33	17	886	3.12	2	5	ND	2	99	1	2	2	111	1.27	.113	5	100	2.31	84	.30	11	2.43	.07	.29	1	1
86-SNLB-191	1	66	4	73	.1	36	17	829	3.88	2	5	ND	2	98	1	2	2	116	.95	.107	5	73	2.18	63	.26	24	2.46	.07	.20	1	1
86-SNLB-192	1	86	6	72	.1	42	18	857	3.99	2	5	ND	2	77	1	2	2	113	.84	.097	7	101	2.02	69	.28	3	2.64	.07	.27	1	1
86-SNLB-193	1	64	5	75	.1	31	19	1095	4.08	2	5	ND	2	102	1	2	2	125	.91	.067	7	73	1.80	76	.28	5	2.66	.07	.11	1	2
86-SNLB-194	1	76	12	87	.2	40	20	1252	4.85	8	5	ND	2	73	1	2	2	120	.84	.081	7	92	1.68	63	.21	4	2.68	.06	.10	2	1
86-SNLB-195	1	89	10	82	.1	54	20	910	4.55	39	5	ND	1	74	1	2	2	120	.73	.084	7	104	1.79	72	.24	4	2.80	.06	.20	1	3
86-SNLB-196	1	75	7	75	.1	54	20	943	4.14	17	5	ND	1	77	1	2	2	122	.97	.086	6	135	2.45	83	.30	6	2.84	.07	.22	1	1
86-SNLB-197	1	69	7	66	.1	44	17	782	3.87	12	5	ND	2	86	1	2	2	113	.88	.069	6	106	1.92	77	.28	4	2.46	.06	.18	1	2
86-SNLB-198	1	38	8	70	.1	19	13	874	3.99	2	5	ND	1	55	1	2	2	91	.64	.050	8	26	1.16	184	.19	5	2.46	.06	.09	1	1
86-SNLB-199	1	50	3	68	.1	22	13	736	4.01	2	5	ND	2	48	1	2	2	105	.64	.069	6	31	1.57	81	.24	8	2.48	.07	.09	1	1
STD C/AU-0.5	21	60	37	138	7.3	71	29	1110	3.97	36	17	8	35	49	18	17	18	68	.48	.104	36	60	.88	185	.08	35	1.72	.09	.14	12	515

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-SNLB-200	1	54	2	60	.2	19	13	756	3.76	6	5	ND	2	44	1	2	2	95	.59	.066	5	26	1.49	128	.22	10	2.40	.08	.09	1	9
86-SNLB-201	1	59	5	64	.1	20	13	773	3.88	6	5	ND	3	49	1	5	2	102	.63	.065	6	33	1.48	124	.23	7	2.46	.07	.09	1	1
86-SNLB-202	1	70	7	68	.1	21	13	694	4.51	5	5	ND	1	42	1	6	2	120	.68	.076	5	30	1.63	73	.25	4	2.64	.11	.09	1	1
86-SNLB-203	1	51	7	78	.1	24	17	1044	4.75	9	5	ND	1	74	1	2	2	125	.70	.059	6	56	1.93	215	.27	4	2.63	.08	.11	1	1
86-SNLB-204	1	54	10	89	.1	28	16	851	4.62	11	5	ND	3	41	1	4	2	104	.54	.099	9	51	1.81	109	.16	13	2.46	.07	.13	1	1
86-SNLC-205	2	75	13	114	.2	29	17	1335	4.60	52	5	ND	2	49	1	3	2	101	.81	.077	11	47	1.39	173	.12	9	2.33	.05	.11	1	3
86-SNLK-217	1	72	7	77	.1	51	22	958	4.63	2	5	ND	1	92	1	5	2	125	1.00	.102	5	131	3.02	58	.25	15	2.85	.09	.11	1	1
86-SNLK-218	1	69	5	77	.1	50	22	959	4.59	4	5	ND	2	92	1	2	2	123	.97	.104	4	124	3.02	60	.26	6	2.82	.08	.11	1	1
86-SNLK-219	1	73	6	76	.1	47	21	978	4.39	2	5	ND	2	94	1	2	2	120	1.08	.108	5	124	3.05	61	.24	13	2.78	.08	.11	1	1
86-SNLK-220	1	68	7	74	.1	42	21	894	4.32	6	5	ND	2	134	1	5	2	129	1.35	.131	7	106	3.21	56	.31	23	2.81	.10	.12	1	1
86-SNLK-221	1	81	12	80	.1	48	22	1064	4.24	2	5	ND	2	100	1	2	2	122	1.27	.115	6	124	3.45	64	.25	9	2.93	.09	.10	1	1
86-SRLA-127	2	37	10	121	.2	21	12	1090	4.02	20	5	ND	2	26	1	6	2	94	.41	.057	7	24	1.45	168	.14	4	1.99	.07	.10	1	1
86-SRLA-128	2	36	8	91	.1	20	11	824	3.47	23	5	ND	2	21	1	6	2	78	.33	.051	8	24	1.20	144	.14	3	1.83	.05	.09	1	2
86-SRLA-129	5	61	11	225	.1	33	17	1593	5.40	120	6	ND	2	30	1	4	2	112	.44	.067	11	32	1.15	215	.15	8	2.52	.07	.11	1	1
86-SRLA-130	2	36	9	95	.1	21	14	920	4.37	6	5	ND	2	27	1	6	4	108	.48	.063	6	28	1.41	141	.19	6	2.21	.07	.10	1	1
86-SRLA-131	2	52	6	94	.1	25	14	850	4.42	3	5	ND	2	28	1	2	2	109	.43	.065	5	39	1.45	172	.20	6	2.65	.07	.12	1	2
86-SRLA-132	2	39	7	107	.1	21	12	999	3.99	21	5	ND	2	24	1	12	2	96	.44	.059	7	26	1.27	119	.17	11	2.15	.07	.09	1	1
86-SRLA-133	1	49	6	67	.1	21	13	775	4.00	3	5	ND	2	34	1	3	2	98	.60	.065	6	32	1.38	118	.21	6	2.29	.08	.09	1	4
86-SRLA-134	1	61	10	77	.1	25	16	1046	4.51	12	6	ND	3	27	1	2	2	108	.42	.063	6	37	1.32	127	.18	10	2.69	.06	.10	1	1
86-SRLA-135	1	58	7	88	.1	24	14	940	4.28	9	5	ND	2	28	1	8	2	106	.49	.058	6	37	1.25	143	.19	5	2.73	.06	.09	1	1
86-SRLA-136	1	52	5	107	.1	26	14	1383	4.46	10	5	ND	1	29	1	2	2	107	.54	.059	7	34	1.29	155	.17	3	2.81	.06	.09	1	1
86-SRSA-1	2	61	14	88	.2	21	9	442	5.37	14	5	ND	2	15	1	10	4	118	.12	.099	5	37	.90	71	.12	2	6.01	.03	.04	3	2
86-SRSA-2	2	43	13	67	.3	13	7	370	5.33	20	5	ND	3	12	1	14	5	126	.13	.089	6	32	.66	57	.07	4	3.76	.03	.04	2	1
86-SRSA-3	3	84	11	80	.1	33	11	467	5.07	22	5	ND	4	12	1	6	2	113	.11	.165	8	42	1.07	89	.13	10	5.83	.03	.06	3	1
86-SRSA-4	2	65	17	92	.1	16	9	365	5.69	19	5	ND	3	15	1	4	2	129	.14	.085	7	34	.82	62	.16	9	4.63	.03	.03	1	3
86-SRSA-5	1	70	5	107	.4	37	17	1270	4.97	16	6	ND	3	23	1	5	3	104	.45	.066	7	38	1.33	272	.09	8	4.06	.05	.08	1	1
86-SRSA-6	2	51	26	291	.6	21	39	3252	5.16	9	5	ND	2	22	1	3	3	101	.40	.112	9	25	.63	272	.07	2	4.13	.04	.06	1	1
86-SRSA-7	1	70	11	78	.1	18	10	463	4.92	11	5	ND	3	16	1	7	2	108	.17	.094	4	32	.86	87	.16	3	4.84	.03	.04	1	2
86-SRSA-8	3	71	17	175	.6	27	13	467	6.21	37	5	ND	2	21	1	9	2	127	.18	.158	6	44	1.19	120	.16	5	4.65	.04	.05	1	1
86-SRSA-9	1	55	13	124	.8	21	10	508	5.61	18	5	ND	3	17	1	2	3	123	.17	.085	5	33	.89	78	.17	2	3.91	.04	.05	1	1
86-SRSA-10	2	100	20	196	.3	18	13	1059	5.86	21	5	ND	3	12	1	6	3	106	.12	.149	6	27	.87	125	.03	2	4.89	.03	.06	1	4
86-SRSA-11	3	61	7	120	.3	27	14	646	5.36	26	5	ND	4	17	1	8	4	119	.17	.065	8	39	1.17	102	.20	2	4.23	.04	.07	1	1
86-SRSA-12	2	55	13	119	.1	21	9	471	5.15	35	8	ND	4	15	1	8	2	112	.13	.081	7	32	1.09	77	.18	2	4.19	.03	.05	1	1
STD C/AU-0.5	20	59	40	137	7.1	70	29	1106	3.97	36	17	8	35	48	18	16	21	68	.48	.104	35	61	.88	180	.08	35	1.72	.09	.13	12	480

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM
86-LCTX-31	23	286	156	164	.8	333	187	871	18.99	88	5	ND	3	5	2	4
86-LCTX-31A	30	300	73	191	.7	409	145	967	20.45	38	5	ND	3	4	3	2
86-SRTAX-64	1	148	18	44	.1	12	19	347	3.85	2	5	ND	1	15	1	2
86-SRTAX-71	1	78	7	68	.3	24	20	1058	5.38	2	5	ND	5	15	1	3
86-SRTAA-74	129	63	31	79	.6	35	8	506	2.80	12	5	ND	3	4	1	6
86-SRTAX-76	3	12	9	52	.1	5	11	1468	4.60	41	13	ND	1	433	1	4
86-SRTAG-78	1	89	7	43	.3	12	11	611	3.34	3	5	ND	1	23	1	3
86-SRTAX-80	2	123	8	90	.1	5	10	981	5.89	5	5	ND	2	41	1	2
86-SCTGI-418	4	65	5	25	.1	4	5	312	2.82	2	5	ND	3	44	1	2

SAMPLE#	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-LCTX-31	2	48	.27	.088	2	7	1.08	17	.07	2	1.22	.06	.07	1	7
86-LCTX-31A	2	52	.23	.077	2	5	1.35	13	.06	2	1.28	.06	.05	1	18
86-SRTAX-64	2	159	.93	.062	2	12	.85	37	.32	3	1.30	.11	.07	1	4
86-SRTAX-71	2	66	.33	.157	25	22	1.00	100	.01	10	1.38	.04	.21	1	3
86-SRTAA-74	4	53	.14	.056	4	17	.84	54	.01	5	.87	.02	.13	1	7
86-SRTAX-76	2	54	11.72	.066	8	3	3.06	189	.01	12	.39	.09	.13	1	2
86-SRTAG-78	2	35	.60	.041	4	19	.94	94	.01	5	1.33	.05	.03	1	4
86-SRTAX-80	3	108	.76	.194	8	2	1.58	72	.32	2	2.26	.07	.03	1	3
86-SCTGI-418	2	53	.92	.063	9	8	.90	132	.16	5	1.80	.20	.38	1	6

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-LCWR-50	7	77	6	12	.1	14	5	65829	.26	2	5	ND	1	85	1	2	2	39	.24	.010	3	1	.08	2535	.01	22	.08	.03	[illegible]	2	1
86-LCWT-52	1	55	5	45	.2	5	13	814	3.75	2	5	ND	2	101	1	2	2	30	4.54	.178	22	1	.61	76	.01	6	.70	.08	.30	1	1
86-SRWAT-65	1	57	3	77	.2	73	23	916	4.46	2	5	ND	1	125	1	2	5	109	1.00	.047	4	120	4.04	37	.33	4	3.10	.08	.01	1	1
86-SRWAT-68	1	139	6	93	.1	7	24	940	6.37	2	5	ND	1	7	1	8	4	88	.14	.078	5	1	1.96	102	.01	2	2.80	.05	.18	1	1
86-SRWAT-69	1	25	5	57	.1	32	15	1505	4.98	2	5	ND	2	9	1	3	4	58	.21	.068	10	41	1.29	71	.01	6	1.67	.05	.12	1	1
86-SRTAT-70	1	2201	3	41	3.8	40	14	1053	3.95	2	5	ND	2	8	1	6	5	38	.20	.107	9	28	.76	79	.01	6	1.26	.04	.15	1	24
86-SRWAT-72	1	99	7	63	.1	21	19	1023	4.37	2	5	ND	2	59	1	2	3	152	.90	.137	12	59	2.54	159	.31	2	2.22	.07	.21	1	1
86-SRWAC-73	1	16	7	63	.1	5	3	387	1.97	15	5	ND	4	87	1	3	2	9	1.31	.023	17	4	1.42	89	.01	9	.98	.05	.21	1	1
86-SRWAS-77	1	65	3	47	.2	8	11	722	3.33	101	5	ND	4	103	1	2	2	45	4.48	.087	25	5	.94	79	.01	15	1.08	.07	.15	1	1
86-SRWAG-79	1	172	2	68	.1	50	23	569	5.29	2	5	ND	1	56	1	2	3	171	1.55	.053	5	34	1.88	134	.52	6	2.98	.26	.04	1	1
86-SRWAT-81	1	61	3	78	.2	16	21	1370	5.86	5	5	ND	4	31	1	2	5	166	3.23	.168	30	14	4.34	37	.06	3	3.81	.08	.10	1	1
86-SCWCB-408	9	118	106	299	.6	33	19	1061	3.42	10	5	ND	1	92	3	2	5	111	2.06	.182	8	103	1.38	35	.23	7	2.98	.25	.44	1	18
86-SCWGT-417	1	46	6	58	.1	52	18	758	4.13	2	5	ND	2	43	1	4	4	129	1.01	.088	6	80	1.98	175	.34	7	2.13	.14	.31	1	1
STD C/AU-0.5	21	59	38	136	7.1	70	29	1101	3.98	36	19	8	35	49	17	15	22	68	.48	.103	36	61	.88	183	.08	35	1.72	.09	.13	12	500

T. Disc
Oct 16/86

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LIBO2 AND IS DISSOLVED IN 50 MLS 5% HNO3.
- SAMPLE TYPE: ROCK CHIPS

DATE RECEIVED: SEPT 4 1986 DATE REPORT MAILED: Sept 13/86 ASSAYER D. Toye. DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT - 2164 FILE # 86-2508 PAGE 4 B

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba PPM	Y PPM	Zr PPM	LOI %	Sum
86-LCWR-50	81.96	.34	.28	.19	1.75	.05	.05	.02	.02	13.51	.01	5749	12	18	.6	99.90
86-LCWT-52	51.40	16.22	7.28	1.81	6.47	3.95	3.35	.66	.46	.03	.01	390	25	114	8.1	99.83
86-SRWAT-65	51.69	16.68	9.67	6.97	6.76	3.00	.10	.82	.14	.15	.03	128	21	63	3.8	99.84
86-SRWAT-68	54.15	20.30	9.72	3.59	.21	2.35	3.45	.82	.21	.11	.01	1140	18	70	4.8	99.95
86-SRWAT-69	69.83	12.18	6.95	2.30	.37	1.80	1.70	.54	.17	.16	.01	723	25	74	3.8	99.96
86-SRTAT-70	75.16	10.45	5.45	1.45	.31	1.00	1.90	.48	.27	.11	.01	659	16	64	2.9	99.63
86-SRWAT-72	52.13	15.81	9.00	5.82	3.92	1.00	6.10	.90	.38	.18	.01	2445	24	171	4.2	99.95
86-SRWAC-73	67.28	14.03	3.10	2.94	1.91	.55	3.45	.43	.06	.04	.01	1490	43	220	5.7	99.82
86-SRWAS-77	56.73	15.18	5.11	1.92	6.18	1.85	2.05	.58	.22	.08	.01	169	20	128	10.0	99.96
86-SRWAG-79	49.89	14.02	13.30	6.39	8.93	2.35	.40	1.75	.15	.17	.02	311	28	109	2.4	99.85
86-SRWAT-81	46.28	17.12	9.34	7.15	5.06	.65	5.00	.89	.48	.17	.01	1102	24	129	7.5	99.88
86-SCWCB-408	62.40	14.74	6.14	2.94	4.47	.80	3.50	.80	.51	.14	.04	376	24	134	3.2	99.77
86-SCWGT-417	52.08	16.98	9.48	6.08	6.41	3.70	1.70	.86	.23	.19	.03	1163	24	86	1.9	99.88
STD SO-4	68.08	10.13	3.36	.99	1.60	1.30	2.00	.54	.20	.07	.01	758	28	374	11.4	99.87

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED AUG 27 1986
DATE REPORTS MAILED 13 Sept/86

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : HEAVY MINERAL
Au* - 10 GM.IGNITED. HOT AQUA REGIA LEACHED. MIBK EXTRACTION. AA ANALYSIS.

ASSAYER B. Tsang for DEAN TOYE . CERTIFIED B.C. ASSAYER

UTAH MINES PROJECT 2164 FILE# 86-2273 PAGE# 9

SAMPLE	Au* ppb	H.m. %	H.m. gm	Sample wt. gm	non-magnetic Sample wt.gm
86SNHB-90 (-20+200)	12	1.34	38.86	2890	38.23
86SNHB-91 (-20+200)	3	.70	23.05	3250	22.83
86SNHB-92 (-20+200)	14	1.34	29.05	2160	28.10
86SNHB-93 (-20+200)	5	.93	19.15	2050	18.71
86SNHB-94 (-20+200)	4	.40	7.74	1910	7.66
86SNHB-95 (-20+200)	3	.94	22.06	2340	21.63
86SNHB-96 (-20+200)	4	.33	7.65	2310	7.56
86SNHB-97 (-20+200)	6	1.29	27.24	2110	26.34
86SNHB-98 (-20+200)	3	1.24	28.26	2270	27.77
86SNHB-99 (-20+200)	4	4.06	66.74	1640	65.01
86SNHB-100 (-20+200)	7	.68	16.63	2430	16.28
86SNHB-101 (-20+200)	6	2.33	50.23	2150	49.98
86SNHB-102 (-20+200)	4	.90	23.64	2610	23.13
86SNHB-103 (-20+200)	5	2.75	80.86	2930	79.66
86SNHB-104 (-20+200)	7	1.45	33.24	2290	32.81
86SNHB-105 (-20+200)	6	1.40	32.65	2320	32.05
86SNHB-115 (-20+200)	12	1.08	30.93	2850	30.48
86SNHB-116 (-20+200)	7	.76	18.94	2490	18.74
86SNHB-117 (-20+200)	3	.47	13.65	2870	13.52
86SNHB-118 (-20+200)	10	3.26	61.07	1870	59.68
86SNHB-119 (-20+200)	560	1.39	37.81	2720	37.57
86SNHB-120 (-20+200)	1	1.03	26.15	2530	25.95
86SNHB-121 (-20+200)	970	1.62	35.25	2170	34.81
86SNHB-122 (-20+200)	3	1.22	29.46	2400	29.27
86SNHC-106 (-20+200)	5	.89	26.33	2940	26.11
86SNHC-107 (-20+200)	6	2.98	73.45	2430	72.04
86SNHC-108 (-20+200)	1	1.54	26.46	1710	26.31
86SNHC-109 (-20+200)	2	3.08	76.62	2480	76.08
86SNHC-110 (-20+200)	1	1.87	44.28	2360	44.06
86SNHC-111 (-20+200)	10	1.72	44.89	2600	44.65
86SNHC-112 (-20+200)	3	1.09	21.46	1960	21.35
86SNHC-113 (-20+200)	4	2.95	87.26	2950	86.30
86SNHC-114 (-20+200)	2	.89	24.77	2770	24.59
86SNHC-123 (-20+200)	1	.69	22.28	3200	22.15
86SNHC-124 (-20+200)	1	1.16	37.08	3180	36.92
86SNHC-125 (-20+200)	1	.15	5.35	3490	5.33
86SNHC-126 (-20+200)	7	2.00	65.43	3260	64.33

SAMPLE	Au* ppb	H.m. %	H.m. gm	Sample wt. gm	non-magnetic Sample wt. gm
86SNHC-127 (-20+200)	12	.49	14.10	2870	14.00
86SNHC-128 (-20+200)	6	.88	29.70	3370	29.40
86SNHC-129 (-20+200)	24	.50	16.60	3270	16.40
86SNHC-130 (-20+200)	6	.33	11.10	3290	11.00
86SNHC-131 (-20+200)	8	.54	17.10	3130	16.90
86SNHC-132 (-20+200)	5	.60	20.00	3300	19.80
86SNHC-133 (-20+200)	21	.65	21.00	3230	20.80
86SNHC-134 (-20+200)	3	.69	25.00	3590	24.80
86SNHC-135 (-20+200)	3	.86	26.50	3050	26.20
86SNHC-136 (-20+200)	4	.89	27.40	3070	27.20
86SNHC-137 (-20+200)	3	2.87	75.10	2610	74.90
86SNHC-138 (-20+200)	5	.36	11.60	3150	11.50
86SNHC-139 (-20+200)	7	.94	26.00	2740	25.80
86SNHC-140 (-20+200)	7	.56	15.60	2770	15.50
86SNHC-141 (-20+200)	5	.51	16.00	3100	15.90
86SNHC-142 (-20+200)	6	.83	27.20	3240	27.00
86SRHB-52 (-20+200)	5	.84	25.00	2970	24.90
86SRHB-53 (-20+200)	380	.97	29.90	3070	29.60
86SRHB-54 (-20+200)	12	.97	30.50	3120	29.40
86SRHB-55 (-20+200)	11	1.70	53.50	3140	52.50
86SRHB-56 (-20+200)	13	.92	31.80	3420	30.90
86SRHB-57 (-20+200)	2	.58	20.00	3410	19.70
86SRHB-58 (-20+200)	4	.26	9.40	3510	9.30
86SRHB-59 (-20+200)	24	.73	26.40	3590	25.50
86SRHB-60 (-20+200)	8	.16	6.50	3910	6.40
86SRHB-61 (-20+200)	4	.87	25.30	2900	24.90
86SRHB-62 (-20+200)	6	.51	19.30	2720	19.00
86SRHB-63 (-20+200)	12	.31	10.30	3300	10.20
86SRHB-64 (-20+200)	5	.88	30.40	3450	29.70
86SRHB-65 (-20+200)	21	1.16	41.70	3590	40.50
86SRHB-66 (-20+200)	11	.84	24.90	2930	24.40
86SRHB-67 (-20+200)	10	.70	24.20	3430	23.80
86SRHB-68 (-20+200)	16	.86	36.20	4200	35.50
86SRHB-69 (-20+200)	6	.30	12.20	3960	12.00
86SRHB-70 (-20+200)	11	.60	25.70	4250	25.40
86SRHB-71 (-20+200)	3	.33	13.20	4000	13.10

SAMPLE	Au* ppb	H.m. %	H.m. gm	Sample wt. gm	non-magnetic Sample wt. gm
86SRHB-72 (-20+200)	18	1.13	44.90	3950	44.00
86SRHB-73 (-20+200)	17	1.23	44.20	3570	43.10
86SRHB-74 (-20+200)	13	.55	24.90	4450	24.60
86SRHB-75 (-20+200)	10	.71	25.30	3540	25.00
86SRHB-76 (-20+200)	10	.91	33.10	3600	32.60
86SRHB-77 (-20+200)	6	.16	6.90	4270	6.80
86SRHB-78 (-20+200)	9	.56	21.60	3810	21.30
86SRHB-79 (-20+200)	15	.51	16.40	3210	16.20
86SRHC-80 (-20+200)	6	.40	14.60	3570	14.50
86SRHC-81 (-20+200)	13	.68	22.40	3290	22.20
86SRHC-82 (-20+200)	15	.73	25.60	3500	25.40
86SRHC-83 (-20+200)	7	.45	18.10	3940	17.90
86SRHC-84 (-20+200)	8	.53	23.40	4370	23.10
86SRHC-85 (-20+200)	10	1.07	44.40	4130	43.80
86SRHC-86 (-20+200)	6	.21	8.60	3910	8.50
86SRHC-87 (-20+200)	5	.60	19.80	3300	19.70
86SRHC-88 (-20+200)	9	.72	26.60	3650	26.30
86SRHC-89 (-20+200)	12	.24	9.90	3970	9.70
86SRHC-90 (-20+200)	13	.35	12.60	3540	12.50
86SRHC-91 (-20+200)	8	.91	33.00	3600	32.60
86SRHC-92 (-20+200)	5	.45	17.40	3790	17.30
86SRHC-93 (-20+200)	9	.92	32.70	3520	32.40

T-Disc
Oct 13/86

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-SILT P2-SOIL P3-5 ROCKS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.
P-Pulverized

DATE RECEIVED: SEPT 23 1986 DATE REPORT MAILED: Oct 6/86 ASSAYER. D. Toye. DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT-2164 FILE # 86-2813A PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-SZLC-1 P	1	77	7	86	.3	18	18	891	4.07	5	5	ND	1	46	1	2	2	108	.99	.109	17	18	1.48	108	.09	6	2.66	.04	.10	1	1
86-SZLC-2	1	74	3	108	.1	26	27	765	6.21	2	5	ND	1	35	1	2	3	164	1.00	.200	18	39	3.10	109	.25	9	3.27	.02	.29	1	1
86-SZLC-3 P	1	61	2	62	.1	13	13	621	3.69	2	5	ND	1	39	1	2	2	87	.76	.105	13	22	.99	114	.12	5	2.33	.04	.11	1	1
86-SZLC-4 P	1	48	6	69	.2	14	13	895	3.39	3	5	ND	1	47	1	2	2	81	1.00	.140	13	15	.99	120	.05	14	2.29	.02	.14	1	2
86-SZLC-5 P	1	66	2	52	.1	16	13	482	3.51	2	5	ND	3	39	1	2	2	87	.67	.128	12	29	1.19	82	.17	9	2.35	.05	.11	1	1
86-SZLC-6 P	1	61	2	55	.1	16	14	605	3.46	2	5	ND	2	46	1	2	3	87	.72	.126	13	22	1.25	114	.16	4	2.28	.04	.15	1	4
86-SZLC-7 P	1	51	8	72	.1	12	16	1031	4.13	3	5	ND	1	45	1	2	3	102	1.01	.168	22	14	1.00	124	.08	8	2.04	.04	.15	1	1
86-SZLC-8 P	1	58	3	74	.1	13	17	1143	3.93	4	5	ND	1	49	1	2	2	108	1.07	.133	21	17	1.21	120	.14	10	2.33	.04	.13	1	2
86-SZLA-9 P	1	77	4	87	.1	17	15	804	4.63	10	5	ND	1	33	1	2	2	104	.71	.087	7	25	1.27	100	.22	7	2.77	.04	.09	1	36
86-SZLA-10 P	1	71	2	74	.1	22	16	636	4.47	8	5	ND	1	26	1	2	2	101	.45	.047	6	27	1.25	74	.23	5	2.56	.03	.07	1	6
86-SZLA-11	1	80	4	77	.1	19	16	670	4.26	12	5	ND	1	30	1	2	2	98	.60	.066	8	29	.92	109	.18	2	3.10	.02	.05	1	18
86-SZLA-12	1	60	11	98	.1	24	16	827	4.49	28	5	ND	1	28	1	2	2	96	.44	.074	7	34	1.29	129	.19	5	2.82	.04	.10	1	4
86-SZLA-13 P	1	70	14	103	.1	23	18	1095	4.46	25	5	ND	1	33	1	2	3	100	.60	.083	9	33	1.08	167	.18	4	3.13	.03	.09	1	4
86-SZLA-14 P	1	68	10	90	.1	20	17	912	4.34	17	5	ND	1	29	1	2	2	95	.54	.073	7	31	1.23	123	.20	7	2.84	.04	.09	1	5
86-SZLA-15 P	1	59	8	88	.1	23	16	880	4.40	21	5	ND	1	31	1	2	2	95	.58	.067	6	30	1.34	112	.21	5	2.40	.04	.09	1	3
86-SZLA-16 P	1	59	6	82	.1	21	14	733	4.33	16	5	ND	1	29	1	2	2	95	.54	.056	5	29	1.32	97	.24	3	2.45	.05	.08	1	1
86-SZLA-17 P	1	58	2	76	.1	18	14	726	4.00	13	5	ND	1	23	1	2	4	86	.46	.064	5	29	1.15	104	.19	6	2.37	.03	.08	1	3
86-SZLA-18 P	1	57	12	80	.1	19	13	802	4.41	14	5	ND	1	28	1	2	2	92	.54	.069	5	28	1.36	102	.21	6	2.48	.05	.10	1	1
86-SZLA-19 P	1	62	13	93	.1	23	19	943	4.61	29	5	ND	1	30	1	2	2	94	.53	.060	10	33	1.27	150	.14	5	2.67	.03	.09	1	3
86-SZLA-20 P	1	37	7	230	.1	36	25	1337	4.29	10	5	ND	1	26	3	2	2	95	.42	.051	10	32	1.38	127	.17	18	2.60	.04	.08	1	1
86-SZLD-21 P	1	63	2	57	.1	30	15	561	3.28	2	5	ND	1	45	1	2	3	83	.76	.108	5	76	1.91	70	.22	2	2.06	.04	.28	1	6
86-SZLD-22 P	1	43	8	60	.1	36	17	489	3.39	3	5	ND	1	56	1	2	2	88	.86	.153	6	77	2.11	54	.24	2	2.02	.05	.44	1	1
86-SZLD-23	1	58	8	51	.1	36	17	460	3.48	3	5	ND	1	67	1	2	2	90	.91	.124	6	86	2.07	43	.27	2	1.96	.04	.37	2	6
86-SZLD-24 P	1	57	4	60	.1	34	18	550	3.47	5	5	ND	1	69	1	2	2	95	.99	.148	6	82	2.18	43	.26	3	2.14	.05	.38	1	1
86-SZLD-25	1	112	6	59	.1	29	19	658	3.16	2	5	ND	1	54	1	2	2	89	1.06	.108	4	101	2.09	51	.25	3	2.47	.02	.23	1	1
86-SZLD-26 P	1	69	2	63	.1	36	18	705	3.61	2	5	ND	1	70	1	2	2	100	1.08	.104	6	105	2.21	38	.27	7	2.25	.03	.21	1	82
STD C/AU-S	21	57	37	132	6.9	65	28	1002	3.95	42	20	8	33	47	17	15	19	62	.48	.111	35	58	.88	175	.08	38	1.73	.06	.13	14	52

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-SCS6-12	1	91	16	210	.2	13	17	435	15.20	16	5	ND	3	5	1	2	2	156	.03	.135	18	31	.22	40	.01	6	3.11	.01	.05	1	1
86-SCS6-13	1	22	11	38	.4	10	9	611	8.18	3	5	ND	2	18	1	2	2	253	.18	.162	8	35	.34	26	.53	3	1.86	.01	.03	1	1
86-SCS6-14	1	40	10	46	.1	10	11	682	9.47	8	5	ND	2	20	1	2	4	204	.12	.191	12	42	.47	29	.30	6	2.87	.01	.03	1	1
86-SCS6-15	1	72	6	60	.4	54	17	543	7.95	7	5	ND	2	22	1	2	5	171	.15	.128	12	103	1.68	46	.37	4	4.29	.01	.07	1	1
86-SCS6-16	1	20	5	79	.2	9	19	1062	9.23	7	5	ND	1	4	1	2	4	258	.11	.043	8	40	3.88	39	.77	2	4.98	.01	.18	1	1
86-SCS6-17	1	31	11	51	.4	11	11	349	9.02	6	5	ND	1	13	1	2	7	190	.19	.107	14	46	.55	33	.46	2	2.46	.01	.04	1	1
86-SCS6-18	2	34	11	53	.3	15	12	387	6.49	10	5	ND	1	17	1	2	6	173	.24	.053	13	29	.65	46	.25	3	2.17	.01	.04	1	1
86-SCS6-19	1	39	8	44	.1	8	11	364	6.86	8	5	ND	2	20	1	2	4	151	.14	.094	13	35	.90	23	.26	3	2.75	.01	.04	1	2
86-SCS6-20	1	35	11	47	.4	11	11	466	8.26	15	5	ND	2	15	1	2	4	193	.14	.156	10	39	.58	24	.34	2	3.35	.01	.03	2	1
86-SCS6-21	1	32	10	63	.1	10	11	332	7.22	12	5	ND	2	17	1	2	8	143	.13	.139	13	32	.57	33	.24	3	2.97	.01	.04	1	1
86-SCS6-22	1	40	10	60	.2	8	13	436	7.18	21	5	ND	2	17	1	2	3	140	.14	.134	13	32	.80	40	.18	3	3.54	.01	.05	1	1
86-SCS6-23	1	47	6	73	.1	16	17	570	5.18	12	5	ND	1	25	1	2	7	112	.25	.058	14	36	1.39	98	.15	2	2.92	.01	.09	1	2
86-SCS6-24	1	20	15	37	.2	11	10	257	7.65	3	5	ND	1	17	1	2	3	177	.16	.065	7	80	.78	35	.47	2	2.20	.01	.05	1	1
86-SCS6-25	1	25	8	34	.1	6	9	237	7.80	20	5	ND	2	17	1	2	2	212	.14	.087	6	26	.49	31	.30	2	1.90	.01	.04	1	1
86-SCS6-26	1	39	13	55	.1	9	10	324	6.93	13	5	ND	1	13	1	4	4	133	.13	.097	9	32	.55	46	.20	3	3.04	.01	.04	1	1
86-SCS6-27	1	65	8	64	.2	15	16	460	6.29	8	5	ND	1	16	1	2	2	125	.19	.065	8	50	1.38	33	.26	7	3.06	.01	.05	1	1
L130+50E 22+50N A-1	50	87	221	99999	.9	30	7	263	2.56	17	5	ND	1	13	4	2	2	75	.23	.304	3	56	.54	40	.10	2	1.67	.03	.08	2	2
L130+50E 22+50N A-2	18	97	160	30346	.9	19	10	545	4.63	11	5	ND	1	16	3	2	2	90	.26	.182	4	33	.40	62	.12	3	2.18	.02	.08	1	1
L130+50E 22+50N A-3	29	106	181	57056	.7	22	10	596	4.16	13	5	ND	1	22	3	2	2	76	.35	.242	5	33	.49	64	.10	2	1.84	.04	.09	1	1
L130+50E 22+50N A-4	20	89	119	36821	1.0	33	10	397	3.16	7	5	ND	1	17	1	2	4	86	.27	.279	4	60	.66	58	.09	4	1.93	.02	.10	1	6
L130+50E 22+50N A-5	23	101	100	38250	.7	19	10	479	4.38	11	5	ND	1	15	1	2	2	89	.27	.188	2	36	.42	58	.12	3	1.89	.03	.09	1	4
L130+50E 22+50N A-6 P	7	40	160	11645	.4	9	9	477	3.90	7	5	ND	1	22	1	2	4	97	.40	.080	3	27	.82	35	.17	2	2.14	.02	.06	2	1
STD C/AU-S	21	60	42	135	7.2	67	30	1031	3.96	43	21	7	34	49	17	15	20	64	.48	.110	36	61	.88	184	.08	34	1.73	.06	.14	12	48

—— Assay required for correct result for Zn > 20,000 ppm

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-SRWAT-44	1	46	2	85	.2	9	13	843	4.04	6	5	ND	1	59	1	2	4	88	1.70	.066	2	27	1.83	88	.20	4	2.06	.04	.05	1	1
86-SRWAT-51	1	58	7	42	.2	27	13	474	2.48	5	5	ND	1	134	1	2	2	84	1.11	.079	3	41	1.52	115	.18	4	1.58	.06	.11	1	1
86-LCWT-53	1	10	10	56	.1	20	11	269	4.18	2	5	ND	1	25	1	2	2	52	.59	.096	4	13	.86	96	.20	5	1.18	.06	.24	1	1
86-SRWAT-66	1	5	9	117	.1	14	31	1141	9.10	5	5	ND	1	17	1	2	2	270	.31	.093	8	22	4.51	41	.01	2	4.10	.02	.03	1	1
86-SRWAT-67	1	2	4	3	.1	1	1	283	.28	2	5	ND	3	3	1	3	3	2	.03	.013	10	2	.04	52	.01	2	.42	.03	.19	1	56
86-SRWAI-75	1	17	2	78	.1	7	20	1014	6.14	5	5	ND	1	65	1	2	2	198	1.34	.097	8	12	2.80	125	.13	4	2.59	.13	.05	1	1
86-SRWAT-84	2	65	6	52	.4	87	25	975	4.68	17	9	ND	1	126	1	2	5	123	3.23	.086	8	172	4.51	37	.16	6	3.26	.02	.04	1	1
86-SRWAT-85	1	61	5	52	.1	103	27	910	3.50	9	11	ND	2	58	1	2	2	96	6.25	.074	6	165	3.16	30	.23	7	2.76	.03	.01	1	2
86-SRWAT-86	1	73	11	67	.1	14	21	728	5.40	5	5	ND	2	73	1	2	4	147	2.62	.133	11	20	2.90	63	.16	4	3.26	.07	.07	1	1
86-SRWAC-87	1	87	6	76	.1	19	17	546	5.64	12	6	ND	1	30	1	2	2	130	1.13	.081	7	58	3.20	54	.24	3	3.16	.02	.04	1	1
86-SRWAT-90	1	56	10	71	.2	16	17	679	4.23	5	5	ND	1	65	1	2	2	95	1.33	.135	7	13	2.06	75	.24	7	2.46	.09	.09	1	1
86-SRWAT-91	1	28	16	60	.4	6	7	514	2.63	4	5	ND	2	50	1	5	4	57	.91	.048	9	11	1.47	72	.16	2	1.98	.15	.17	1	1
86-SRWAT-96	1	18	2	49	.1	8	10	565	3.03	2	5	ND	1	32	1	2	2	70	.74	.067	3	17	1.05	92	.19	2	1.49	.09	.06	1	1
86-SRWAI-97	1	2	3	17	.1	3	2	386	1.09	2	5	ND	3	29	1	2	4	5	1.00	.044	10	1	.14	83	.01	2	.55	.03	.20	1	1
86-SCWCB-421	2	117	7	36	.1	32	22	410	2.89	2	5	ND	1	91	1	2	2	85	1.68	.223	11	64	1.98	122	.28	5	1.95	.16	.52	1	1
86-SCWCC-422	3	851	6	61	.4	23	27	480	3.91	5	5	ND	1	43	1	2	2	118	.75	.136	6	76	1.88	94	.21	2	1.89	.10	.47	1	7
86-SCWCC-424	2	49	5	55	.2	11	11	575	3.11	11	6	ND	3	91	1	17	4	41	3.53	.128	24	6	1.28	142	.01	19	.88	.02	.47	1	1
86-SCWCT-428	1	106	2	78	.2	15	18	546	3.03	2	5	ND	1	134	1	2	4	38	1.08	.155	13	15	2.14	17	.17	5	2.02	.05	.04	1	1
86-SCWCT-429	1	32	6	70	.2	8	12	553	3.97	3	5	ND	1	43	1	2	2	67	1.35	.115	9	7	2.27	20	.15	2	2.37	.04	.06	1	1
86-SCWCT-434	1	21	10	68	.2	13	14	1129	3.41	3	5	ND	5	51	1	2	3	74	1.91	.153	26	13	2.21	171	.21	6	2.85	.10	1.42	1	2
86-SCWCT-435	1	38	7	60	.1	8	10	414	2.88	2	5	ND	1	71	1	2	2	57	1.11	.149	12	10	1.24	39	.14	3	1.49	.08	.14	1	1
86-SCWCT-440	1	36	4	81	.2	11	15	796	4.54	3	5	ND	2	60	1	2	4	72	1.32	.177	20	15	2.56	110	.07	2	2.63	.05	.10	1	1
86-SCWCT-444	3	27	9	59	.3	10	13	546	3.75	16	5	ND	1	69	1	2	2	51	.84	.140	12	10	1.57	69	.15	4	1.67	.04	.09	1	1
86-SCWCT-451	1	165	2	32	.1	43	25	323	3.23	15	5	ND	1	27	1	2	2	91	1.15	.055	5	22	1.25	13	.33	2	1.93	.15	.04	1	1
86-SCWBT-457	1	51	2	44	.1	29	14	498	3.09	2	5	ND	1	41	1	2	3	99	2.41	.095	4	43	1.67	12	.20	2	1.94	.20	.06	31	1
86-SCWBD-461	1	56	6	63	.1	20	21	1626	4.73	2	5	ND	1	45	1	2	2	123	1.20	.084	4	39	1.90	204	.28	2	2.39	.11	.35	1	2
86-SCWDI-482	1	64	2	156	.1	16	19	1048	6.38	8	5	ND	1	8	1	2	3	105	.32	.149	11	30	1.98	28	.01	2	2.98	.02	.12	1	1
86-SCWAT-483	1	28	7	50	.1	4	7	514	2.48	2	5	ND	2	78	1	2	4	56	1.50	.045	10	10	1.15	117	.16	4	2.65	.34	.45	1	1
86-SCWAT-484	1	76	2	43	.1	10	13	553	2.99	2	5	ND	2	36	1	2	2	96	1.25	.079	9	20	1.19	47	.23	2	1.65	.15	.14	1	1
86-SCWGT-490	1	33	4	35	.2	5	10	412	3.00	2	5	ND	2	6	1	2	2	52	.12	.048	13	9	.96	24	.03	2	1.20	.05	.05	1	1
86-SCWGT-502	1	22	5	47	.1	4	6	397	1.80	2	5	ND	2	111	1	2	3	26	.52	.040	6	7	.92	124	.15	2	1.21	.05	.23	2	2
86-SCWGT-508	1	66	8	69	.1	7	13	646	3.56	6	5	ND	2	40	1	2	2	49	.72	.093	10	10	1.51	25	.16	2	1.85	.05	.06	1	1
86-SCWGT-511	1	82	2	55	.1	8	14	509	3.48	3	5	ND	1	29	1	2	2	75	.86	.131	7	11	1.31	263	.20	2	1.78	.08	.50	1	1
86-SCWGD-512	1	30	2	54	.1	3	8	395	2.27	5	5	ND	2	106	1	2	2	39	.53	.043	7	9	1.14	165	.16	2	1.54	.08	.59	1	1
86-SCWGC-513	1	9	3	35	.1	1	2	242	1.16	2	5	ND	2	172	1	2	3	9	.38	.024	10	4	.40	129	.06	4	.83	.07	.10	1	2
86-SCWGT-516	1	12	2	33	.1	3	3	178	.91	2	5	ND	1	130	1	2	5	8	.49	.026	7	3	.44	586	.10	4	.85	.02	.09	1	1
STD C/AU-R	20	59	41	132	6.9	68	30	1005	3.96	42	20	8	33	48	17	17	19	62	.48	.107	36	57	.88	179	.08	38	1.73	.06	.13	12	495

UTAH MINES PROJECT - 2164 FILE # 86-2813

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au† PPB
86-SCMGT-517	1	57	12	81	.6	12	14	620	3.51	3	5	ND	1	88	1	2	2	71	.87	.120	12	24	2.21	33	.25	3	2.14	.06	.07	1	2
86-SCMGT-518	1	48	4	70	.1	9	12	572	3.01	4	5	ND	1	76	1	2	2	58	.61	.080	10	17	1.78	111	.21	2	1.82	.05	.21	1	1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au† PPB
86-SRTAC-45	1	29	3	53	.4	7	10	614	2.90	16	5	ND	1	38	1	2	2	31	1.35	.048	7	5	.77	72	.05	4	1.09	.02	.11	1	1
86-SRTAX-82	1	39	2	64	.3	11	8	439	2.93	2	5	ND	1	54	1	2	2	74	.75	.021	4	23	1.22	393	.16	2	2.19	.18	.55	1	3
86-SRTAC-83	17	20	6	12	.2	2	2	141	1.51	4	5	ND	2	3	1	2	3	15	.04	.028	26	5	.33	41	.01	2	.52	.01	.13	1	1
86-SRTAS-88	1	58	2	58	.2	61	26	727	4.15	2	5	ND	1	72	1	2	2	131	2.20	.174	12	259	4.19	58	.09	4	2.80	.02	.05	1	1
86-SRTAY-89	1	71	10	55	.2	19	20	804	4.72	28	5	ND	2	162	1	4	2	94	4.33	.138	17	32	1.91	83	.01	6	1.04	.02	.07	1	2
86-SRTAI-92	1	44	2	53	.2	23	13	138	2.43	2	5	ND	1	34	1	2	2	119	.62	.122	9	44	1.27	368	.15	4	2.18	.15	.05	1	1
86-SRTAA-93	19	44	15	53	.7	27	8	185	2.39	9	5	ND	1	7	1	2	2	68	.13	.047	5	25	.49	65	.06	5	.74	.02	.12	1	1
86-SRWAT-94	1	78	3	46	.1	28	15	396	2.88	2	5	ND	1	15	1	2	2	93	.75	.095	6	40	1.64	211	.23	3	1.57	.12	.22	1	1
86-SRTAS-95	1	50	3	92	.4	35	22	964	5.56	38	5	ND	1	40	1	2	2	154	.29	.098	12	43	2.06	436	.35	3	4.88	.04	.06	1	1
86-SRTIX-98	1	1685	2	12	.9	5	4	201	1.12	2	5	ND	1	44	1	2	2	11	.31	.006	2	5	.24	39	.04	2	.51	.01	.01	1	1
86-SRTIA-99	5	102	13	210	.4	43	32	682	5.47	15	5	ND	1	35	1	2	2	177	1.33	.431	19	48	1.87	45	.26	4	2.36	.02	.13	1	7
86-SCTCQ-420	16	16	5	14	.1	7	12	107	3.54	3	5	ND	1	5	1	2	3	11	.04	.023	2	6	.11	44	.03	3	.39	.01	.05	1	5
86-SCTCS-427	2	2	8	18	.3	2	4	627	1.76	3	5	ND	1	754	1	2	8	18	30.92	.042	9	3	1.17	12	.01	3	.10	.01	.04	1	2
86-SCTCX-430	1	252	3	59	.1	10	24	468	5.17	4	5	ND	1	41	1	2	2	90	1.00	.123	10	15	2.26	20	.22	2	2.32	.07	.05	1	2
86-SCTCS-431	1	118	11	60	.1	8	29	1292	8.13	4	5	ND	3	19	1	2	3	162	.64	.213	29	10	.09	74	.01	8	1.26	.01	.13	1	1
86-SCTCS-432	1	30	5	44	.2	9	12	957	3.38	6	5	ND	5	172	1	2	2	73	8.57	.253	30	8	2.08	40	.01	9	.58	.01	.20	1	1
86-SCWCS-441	1	13	4	2	.1	18	24	70	2.85	281	5	2	1	11	1	2	2	6	.22	.117	8	1	.03	47	.01	4	.27	.01	.15	1	3950
86-SCTCQ-442	1	4	2	49	.1	21	13	820	2.10	4	5	ND	1	120	1	2	2	58	1.54	.116	6	37	1.05	12	.15	7	1.58	.01	.01	1	5
86-SCTCS-447	1	79	4	51	.2	14	18	704	4.36	9	5	ND	4	136	1	2	2	87	7.22	.207	28	5	1.78	53	.01	5	.50	.01	.10	1	7
86-SCTCS-452	9	25	5	3	.1	21	46	103	8.99	419	5	2	1	3	1	2	3	24	.04	.040	6	6	.03	20	.01	6	.37	.01	.09	1	1430
86-SCTCS-467	1	26	9	38	.1	8	13	715	4.63	8	6	ND	9	9	1	2	2	56	.22	.160	67	13	.13	27	.01	6	1.83	.01	.13	2	11
86-SCTCS-470	1	277	5	66	.1	15	27	1543	6.62	50	5	ND	1	59	1	2	2	99	1.86	.136	10	18	.79	62	.01	7	1.30	.06	.13	1	6
86-SCTCX-471	9	396	9	55	.3	20	41	582	10.56	2	5	ND	1	63	1	2	2	109	.99	.056	9	22	1.31	20	.15	8	3.29	.28	.36	1	6
86-SCTCS-476	1	20	10	68	.1	15	15	1097	5.69	9	5	ND	1	6	1	2	3	42	.09	.036	7	4	.09	45	.01	8	.52	.01	.10	1	1
86-SCTDX-481	244	2785	2	33	.8	148	157	256	5.93	2	5	ND	1	41	1	2	2	50	2.36	.095	5	47	.31	6	.15	2	2.38	.10	.03	62	35
86-SCTAS-485	2	9	9	36	.1	3	7	1197	4.01	45	5	ND	3	359	1	2	2	14	14.02	.030	9	3	2.53	28	.01	6	.22	.01	.08	1	1
86-SCT6S-509	1	99	12	74	.1	34	24	1749	5.56	85	6	ND	1	41	1	3	2	64	1.17	.086	9	24	.48	130	.01	6	.69	.01	.09	1	8
86-SCT6C-510	1	30	2	49	.1	13	6	817	1.97	16	5	ND	1	29	1	2	2	22	.49	.023	4	14	.46	269	.05	6	1.18	.10	.21	1	2
STD C/AU-R	21	59	43	134	6.9	64	30	1013	3.95	40	20	8	33	48	18	15	18	62	.48	.106	37	58	.88	179	.08	37	1.73	.06	.14	14	480

Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1
Phone: (604) 984-0221
Telex. 043-52597

CERTIFICATE OF ASSAY

RECEIVED
SEP 29 1986
UTAH MINES LTD.
EXPLORATION DEPT.

TO : UTAH MINES LIMITED

1600 - 1050 W. PENDER ST.
VANCOUVER, B.C.
V6E 3S7

ATTN: F. GATCHALIAN

CERT. # : A8617182-C01-A
INVOICE # : I8617182
DATE : 29-SEP-86
P.O. # : NONE
VANC. IS.

Sample description	Prep code	Cu %	Pb %	Zn %	Ba %	Ag FA oz/T	Au FA oz/T
STRIKER GVR 1	207	<0.01	<0.01	<0.01	--	0.02	0.004
STRIKER GVR 2	207	0.01	<0.01	<0.01	--	0.03	0.002
STRIKER GVR 3	207	0.01	<0.01	<0.01	--	0.02	0.002
STRIKER GVR 4	207	<0.01	<0.01	0.01	--	0.03	<0.002
STRIKER GVR 5	207	<0.01	<0.01	0.01	--	0.04	<0.002
STRIKER GVR 6	207	0.03	0.01	0.45	--	0.02	<0.002
STRIKER GVR 7	207	<0.01	<0.01	0.01	--	0.02	0.002
BOB #1	207	6.52	<0.01	0.11	--	0.71	<0.002
BOB #2	207	0.05	<0.01	<0.01	--	0.04	<0.002
BOB #3	207	0.15	<0.01	0.02	--	0.08	<0.002
VI 20CO CLM #1	207	0.09	<0.01	0.71	0.05	0.07	<0.002

VOI rev. 4/85

B. Swaites
....
Registered Assayer, Province of British Columbia

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH:(604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED AUG 27 1986
DATE REPORTS MAILED Sept 13/86

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : HEAVY MINERAL
Au* - 10 GM.IGNITED, HOT AQUA REGIA LEACHED, MIBK EXTRACTION, AA ANALYSIS.

ASSAYER D.Toye DEAN TOYE . CERTIFIED B.C. ASSAYER

UTAH MINES PROJECT 2164 FILE# 86-2273 PAGE# 9

SAMPLE	Au* ppb	H.m. %	H.m. %	Sample wt. gm	non-magnetic Sample wt. gm	magnetic Sample wt. gm
86SNHB-90 (-20+200)	12	1.34	38.86	2890	38.23	.63
86SNHB-91 (-20+200)	3	.70	23.05	3250	22.83	.23
86SNHB-92 (-20+200)	14	1.34	29.05	2160	28.10	.96
86SNHB-93 (-20+200)	5	.93	19.15	2050	18.71	.44
86SNHB-94 (-20+200)	4	.40	7.74	1910	7.66	.08
86SNHB-95 (-20+200)	3	.94	22.06	2340	21.63	.43
86SNHB-96 (-20+200)	4	.33	7.65	2310	7.56	.09
86SNHB-97 (-20+200)	6	1.29	27.24	2110	26.34	.90
86SNHB-98 (-20+200)	3	1.24	28.26	2270	27.77	.49
86SNHB-99 (-20+200)	4	4.06	66.74	1640	65.01	1.73
86SNHB-100 (-20+200)	7	.68	16.63	2430	16.28	.35
86SNHB-101 (-20+200)	6	2.33	50.23	2150	49.98	.25
86SNHB-102 (-20+200)	4	.90	23.64	2610	23.13	.51
86SNHB-103 (-20+200)	5	2.75	80.86	2930	79.66	1.20
86SNHB-104 (-20+200)	7	1.45	33.24	2290	32.81	.43
86SNHB-105 (-20+200)	6	1.40	32.65	2320	32.05	.61
86SNHB-115 (-20+200)	12	1.08	30.93	2850	30.48	.45
86SNHB-116 (-20+200)	7	.76	18.94	2490	18.74	.20
86SNHB-117 (-20+200)	3	.47	13.65	2870	13.52	.13
86SNHB-118 (-20+200	10	3.26	61.07	1870	59.68	1.40
86SNHB-119 (-20+200)	560	1.39	37.81	2720	37.57	.24
86SNHB-120 (-20+200)	1	1.03	26.15	2530	25.95	.20
86SNHB-121 (-20+200)	970	1.62	35.25	2170	34.81	.44
86SNHB-122 (-20+200)	3	1.22	29.46	2400	29.27	.20
86SNHL-106 (-20+200)	5	.89	26.33	2940	26.11	.22
86SNHC-107 (-20+200)	6	2.98	73.45	2430	72.04	1.41
86SNHC-108 (-20+200)	1	1.54	26.46	1710	26.31	.15
86SNHC-109 (-20+200)	2	3.08	76.62	2480	76.08	.54
86SNHL-110 (-20+200)	1	1.87	44.28	2360	44.06	.22
86SNHC-111 (-20+200)	10	1.72	44.89	2600	44.65	.24
86SNHC-112 (-20+200)	3	1.09	21.46	1960	21.35	.11
86SNHC-113 (-20+200)	4	2.95	87.26	2950	86.30	.96
86SNHC-114 (-20+200)	2	.89	24.77	2770	24.59	.19
86SNHC-123 (-20+200)	1	.69	22.28	3200	22.15	.13
86SNHC-124 (-20+200)	1	1.16	37.08	3180	36.92	.16
86SNHC-125 (-20+200)	1	.15	5.35	3490	5.33	.03
86SNHC-136 (-20+200)	7	2.00	65.43	3260	64.33	1.10

SAMPLE	Au* ppb	H.m. %	H..m. gm	Sample wt. gm	non-magnetic Sample wt. gm	magnetic Sample wt. gm
86SNHC-127 (-20+200)	12	.49	14.10	2870	14.00	.10
86SNHC-128 (-20+200)	6	.88	29.70	3370	29.40	.30
86SNHC-129 (-20+200)	24	.50	16.60	3270	16.40	.20
86SNHC-130 (-20+200)	6	.33	11.10	3290	11.00	.10
86SNHC-131 (-20+200)	8	.54	17.10	3130	16.90	.20
86SNHC-132 (-20+200)	5	.60	20.00	3300	19.80	.20
86SNHC-133 (-20+200)	21	.65	21.00	3230	20.80	.20
86SNHC-134 (-20+200)	3	.69	25.00	3590	24.80	.20
86SNHC-135 (-20+200)	3	.86	26.50	3050	26.20	.30
86SNHC-136 (-20+200)	4	.89	27.40	3070	27.20	.20
86SNHC-137 (-20+200)	3	2.87	75.10	2610	74.90	.20
86SNHC-138 (-20+200)	5	.36	11.60	3150	11.50	.10
86SNHC-139 (-20+200)	7	.94	26.00	2740	25.80	.20
86SNHC-140 (-20+200)	7	.56	15.60	2770	15.50	.10
86SNHC-141 (-20+200)	5	.51	16.00	3100	15.90	.10
86SNHC-142 (-20+200)	6	.83	27.20	3240	27.00	.20
86SRHB-52 (-20+200)	5	.84	25.00	2970	24.90	.10
86SRHB-53 (-20+200)	380	.97	29.90	3070	29.60	.30
86SRHB-54 (-20+200)	12	.97	30.50	3120	29.40	1.10
86SRHB-55 (-20+200)	11	1.70	53.50	3140	52.50	1.00
86SRHB-56 (-20+200)	13	.92	31.80	3420	30.90	.90
86SRHB-57 (-20+200)	2	.58	20.00	3410	19.70	.30
86SRHB-58 (-20+200)	4	.26	9.40	3510	9.30	.10
86SRHB-59 (-20+200)	24	.73	26.40	3590	25.50	.90
86SRHB-60 (-20+200)	8	.16	6.50	3910	6.40	.10
86SRHB-61 (-20+200)	4	.87	25.30	2900	24.90	.40
86SRHB-62 (-20+200)	6	.51	19.30	2720	19.00	.30
86SRHB-63 (-20+200)	12	.31	10.30	3300	10.20	.20
86SRHB-64 (-20+200)	5	.88	30.40	3450	29.70	.70
86SRHB-65 (-20+200)	21	1.16	41.70	3590	40.50	1.20
86SRHB-66 (-20+200)	11	.84	24.90	2930	24.40	.50
86SRHB-67 (-20+200)	10	.70	24.20	3430	23.80	.40
86SRHB-68 (-20+200)	16	.86	36.20	4200	35.50	.70
86SRHB-69 (-20+200)	6	.30	12.20	3960	12.00	.20
86SRHB-70 (-20+200)	11	.60	25.70	4250	25.40	.30
86SRHB-71 (-20+200)	3	.33	13.20	4000	13.10	.10

SAMPLE	Au* ppb	H.m. %	H.m. gm	Sample wt. gm	non-magnetic Sample wt. gm	magnetic Sample wt. gm
86SRHB-72 (-20+200)	18	1.13	44.90	3950	44.00	.90
86SRHB-73 (-20+200)	17	1.23	44.20	3570	43.10	1.10
86SRHB-74 (-20+200)	13	.55	24.90	4450	24.60	.30
86SRHB-75 (-20+200)	10	.71	25.30	3540	25.00	.30
86SRHB-76 (-20+200)	10	.91	33.10	3600	32.60	.50
86SRHB-77 (-20+200)	6	.16	6.90	4270	6.80	.10
86SRHB-78 (-20+200)	9	.56	21.60	3810	21.30	.30
86SRHB-79 (-20+200)	15	.51	16.40	3210	16.20	.20
86SRHC-80 (-20+200)	6	.40	14.60	3570	14.50	.10
86SRHC-81 (-20+200)	13	.68	22.40	3290	22.20	.20
86SRHC-82 (-20+200)	15	.73	25.60	3500	25.40	.20
86SRHC-83 (-20+200)	7	.45	18.10	3940	17.90	.20
86SRHC-84 (-20+200)	8	.53	23.40	4370	23.10	.30
86SRHC-85 (-20+200)	10	1.07	44.40	4130	43.80	.60
86SRHC-86 (-20+200)	6	.21	8.60	3910	8.50	.10
86SRHC-87 (-20+200)	5	.60	19.80	3300	19.70	.10
86SRHC-88 (-20+200)	9	.72	26.60	3650	26.30	.30
86SRHC-89 (-20+200)	12	.24	9.90	3970	9.70	.20
86SRHC-90 (-20+200)	13	.35	12.60	3540	12.50	.10
86SRHC-91 (-20+200)	8	.91	33.00	3600	32.60	.40
86SRHC-92 (-20+200)	5	.45	17.40	3790	17.30	.10
86SRHC-93 (-20+200)	9	.92	32.70	3520	32.40	.30

SAMPLE	Au* ppb
86SNHB-90 (-200)	7
86SNHB-91 (-200)	10
86SNHB-92 (-200)	1
86SNHB-93 (-200)	19
86SNHB-94 (-200)	1
86SNHB-95 (-200)	15
86SNHB-96 (-200)	1
86SNHB-97 (-200)	1
86SNHB-98 (-200)	14
86SNHB-99 (-200)	1
86SNHB-100 (-200)	48
86SNHB-101 (-200)	1
86SNHB-102 (-200)	1
86SNHB-103 (-200)	1
86SNHB-104 (-200)	1
86SNHB-105 (-200)	155
86SNHB-115 (-200)	8
86SNHB-116 (-200)	1
86SNHB-117 (-200)	1
86SNHB-118 (-200)	1
86SNHB-119 (-200)	2
86SNHB-120 (-200)	1
86SNHB-121 (-200)	1
86SNHB-122 (-200)	1
86SNHC-106 (-200)	1
86SNHC-107 (-200)	2
86SNHC-108 (-200)	1
86SNHC-109 (-200)	7
86SNHC-110 (-200)	1
86SNHC-111 (-200)	2
86SNHC-112 (-200)	11
86SNHC-113 (-200)	27
86SNHC-114 (-200)	1
86SNHC-123 (-200)	1
86SNHC-124 (-200)	1
86SNHC-125 (-200)	13
86SNHC-126 (-200)	1

SAMPLE	Au* ppb
86SNHC-127 (-200)	6
86SNHC-128 (-200)	8
86SNHC-129 (-200)	9
86SNHC-130 (-200)	1
86SNHC-131 (-200)	1
86SNHC-132 (-200)	3
86SNHC-133 (-200)	1
86SNHC-134 (-200)	2
86SNHC-135 (-200)	6
86SNHC-136 (-200)	1
86SNHC-137 (-200)	5
86SNHC-138 (-200)	1
86SNHC-139 (-200)	55
86SNHC-140 (-200)	3
86SNHC-141 (-200)	4
86SNHC-142 (-200)	7
86SRHB-52 (-200)	280
86SRHB-53 (-200)	165
86SRHB-54 (-200)	1
86SRHB-55 (-200)	5
86SRHB-56 (-200)	4
86SRHB-57 (-200)	1
86SRHB-58 (-200)	7
86SRHB-59 (-200)	60
86SRHB-60 (-200)	8
86SRHB-61 (-200)	155
86SRHB-62 (-200)	4
86SRHB-63 (-200)	1
86SRHB-64 (-200)	8
86SRHB-65 (-200)	3
86SRHB-66 (-200)	10
86SRHB-67 (-200)	41
86SRHB-68 (-200)	10
86SRHB-69 (-200)	5
86SRHB-70 (-200)	2
86SRHB-71 (-200)	1

UTAH MINES PROJECT 2164 FILE# 86-2273 PAGE# 8

SAMPLE	Au* ppb
86SRHB-72 (-200)	1
86SRHB-73 (-200)	7
86SRHB-74 (-200)	47
86SRHB-75 (-200)	85
86SRHB-76 (-200)	5
86SRHB-77 (-200)	36
86SRHB-78 (-200)	1
86SRHB-79 (-200)	10
86SRHC-80 (-200)	4
86SRHC-81 (-200)	3
86SRHC-82 (-200)	1
86SRHC-83 (-200)	1
86SRHC-84 (-200)	1
86SRHC-85 (-200)	3
86SRHC-86 (-200)	1
86SRHC-87 (-200)	40
86SRHC-88 (-200)	1
86SRHC-89 (-200)	8
86SRHC-90 (-200)	11
86SRHC-91 (-200)	1
86SRHC-92 (-200)	1
86SRHC-93 (-200)	3

RECEIVED
OCT 23 1986
UTAH MINES LTD
EXPLORATION DEPT

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-HUMUS P2-3 ROCKS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: OCT 14 1986 DATE REPORT MAILED: Oct 21/86 ASSAYER. D.Toye ..DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT - 2164 FILE # 86-3179 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-SCSD-28	1	12	29	96	1.7	3	2	1109	.49	2	5	ND	1	19	1	2	2	12	.72	.088	2	2	.12	44	.02	6	.29	.01	.08	1	6
86-SCSD-29	1	20	9	46	1.0	6	5	307	2.29	5	5	ND	1	20	1	2	2	65	.41	.075	3	12	.39	38	.11	6	1.03	.01	.06	2	1
86-SCSD-30	1	40	9	44	.5	10	9	415	4.15	5	5	ND	1	14	1	2	2	86	.23	.085	6	24	.76	48	.12	6	2.61	.02	.05	2	8
86-SCSD-31	1	59	2	40	1.0	10	11	451	2.97	2	5	ND	1	17	1	2	2	60	.37	.092	20	20	.53	58	.09	5	2.67	.01	.04	1	1
STD C/AU-S	20	58	37	130	6.8	66	28	985	3.95	38	21	7	33	47	17	15	21	60	.48	.102	35	56	.88	176	.08	36	1.73	.06	.13	13	49

UTAH MINES PROJECT - 2164 FILE # 86-3179

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-LCWJ-42	2	15	12	52	.2	62	16	3861	13.12	13	5	ND	1	4	1	2	2	147	.09	.035	2	3	.11	10	.01	3	.17	.01	.01	1	2
86-LCWJ-44	1	9	5	47	.1	53	12	884	10.47	10	5	ND	1	2	1	2	2	114	.05	.026	2	4	.10	5	.01	3	.13	.01	.01	3	6
86-LCWJ-47	3	28	16	58	.2	47	21	4419	19.46	16	6	ND	1	7	1	4	2	162	.31	.031	2	9	.20	10	.01	6	.18	.01	.02	3	5
86-LCWJ-49	2	4	8	14	.1	17	8	189	11.71	8	5	ND	1	2	1	2	2	86	.04	.019	2	8	.07	5	.01	2	.06	.01	.01	2	2
86-LCWT-53	4	46	2	81	.3	14	14	1140	5.27	7	5	ND	1	13	1	2	2	86	.55	.078	3	26	1.95	26	.19	4	2.27	.04	.05	1	6
86-LCWT-54	6	63	6	67	.1	10	16	1028	4.78	3	5	ND	1	5	1	2	2	36	.29	.085	4	13	1.42	38	.12	7	1.96	.02	.10	1	5
STD C/AU-R	21	57	39	133	6.8	66	30	1002	3.92	42	20	8	32	47	17	16	19	61	.48	.102	35	59	.88	173	.08	36	1.72	.06	.13	13	500

UTAH MINES PROJECT - 2164 FILE # 86-3179

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
86-LCTS-55	1	27	10	73	.1	9	8	1185	4.88	6	5	ND	1	8	1	2	2	126	.38	.119	6	33	1.98	21	.26	2	3.20	.03	.05	1	1
86-LCTQ-56	2	16	17	27	.1	5	8	1631	2.04	11	5	ND	1	3	1	2	2	36	.10	.033	3	10	.49	18	.06	3	1.14	.01	.04	1	2
86-LCTX-57	2	97	16	95	.1	4	20	675	12.99	98	5	ND	1	58	1	2	2	31	1.86	.155	8	7	.56	25	.16	3	1.10	.05	.24	1	11
86-SCTDX-518	1	64	8	122	.2	18	20	1294	6.64	14	5	ND	1	13	1	2	2	117	.54	.148	13	31	2.02	58	.05	7	3.11	.02	.13	1	1
86-SCTDX-519	1	59	8	94	.1	14	18	1187	5.65	6	5	ND	1	13	1	2	2	79	.52	.098	9	25	1.96	50	.15	2	2.81	.03	.12	1	1
86-SCTDX-520	1	71	9	105	.2	16	19	1207	6.26	6	5	ND	1	30	1	2	2	132	.77	.132	10	33	2.10	31	.34	2	3.12	.03	.11	1	7
86-SCTDX-521	1	60	8	94	.1	15	17	1107	5.84	12	5	ND	1	15	1	2	2	106	.46	.086	8	29	1.94	33	.25	2	2.91	.03	.11	1	8
STD C/AU-R	21	59	41	135	7.0	70	30	1025	3.95	40	18	8	33	48	18	15	18	63	.48	.103	37	59	.88	181	.08	38	1.73	.06	.13	13	500

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LIBO2 AND IS DISSOLVED IN 50 MLS 5% HNO3.
- SAMPLE TYPE: ROCK CHIPS

DATE RECEIVED: OCT 14 1986 DATE REPORT MAILED: Oct 21/86 ASSAYER. D. Toye..DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT - 2164 FILE # 86-3179 PAGE 2 B

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba PPM	Y PPM	Zr PPM	LOI %	Sum
86-LCWJ-42	78.42	.49	19.32	.15	.16	.05	.10	.05	.11	.50	.01	18	5	5	.5	99.86
86-LCWJ-44	82.17	.40	16.10	.15	.10	.05	.10	.03	.08	.11	.01	12	5	25	.5	99.81
86-LCWJ-47	66.70	.50	29.99	.33	.50	.05	.05	.04	.12	.65	.01	15	5	19	1.1	100.05
86-LCWJ-49	80.81	.20	17.87	.08	.06	.05	.15	.01	.06	.02	.01	5	5	15	.5	99.82
86-LCWT-53	59.69	16.67	7.87	3.42	2.04	3.85	1.20	.79	.21	.15	.01	412	26	129	3.6	99.60
86-LCWT-54	62.06	16.66	7.03	2.69	.96	1.60	3.00	.80	.21	.13	.01	933	27	151	4.5	99.85
STD SO-4	67.94	10.24	3.36	.93	1.58	1.40	2.05	.54	.20	.06	.01	613	27	305	11.5	99.97

OCT 7 - 1986

UTAH MINES LTD.
EXPLORATION DEPT.

T-Disc
Oct 13/86

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE [illegible]

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LIBO2 AND IS DISSOLVED IN 50 MLS 5% HNO3.
- SAMPLE TYPE: ROCK CHIPS

DATE RECEIVED: SEPT 13 1986 DATE REPORT MAILED: Oct 6/86 ASSAYER. D. Toye ...DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT - 2164 FILE # 86-2813B

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba PPM	Y PPM	Zr PPM	LOI %	Sum
86-SRWAT-44	54.91	17.55	7.73	3.57	6.03	3.90	1.25	.77	.18	.14	.01	1123	27	26	3.8	100.06
86-SRWAT-51	55.24	16.94	7.88	4.29	7.12	2.80	1.85	.81	.22	.15	.01	1299	25	33	2.5	100.07
86-LCWT-53	59.65	17.72	7.70	2.15	1.90	3.30	3.30	.79	.25	.04	.01	1126	20	55	3.0	100.04
86-SRWAT-66	50.81	16.19	13.76	7.11	.73	3.30	.20	1.97	.27	.16	.01	214	35	85	5.4	99.96
86-SRWAT-67	75.88	14.47	1.20	.36	.04	3.05	2.85	.09	.01	.04	.01	619	12	25	2.1	100.22
86-SRWAI-75	48.58	16.32	12.76	6.22	4.80	3.35	.85	1.83	.28	.23	.01	727	36	87	4.6	99.98
86-SRWAT-84	47.86	16.09	8.88	7.61	7.06	2.55	.70	.79	.27	.17	.06	309	20	71	7.8	99.91
86-SRWAT-85	45.78	14.39	7.10	6.82	11.87	3.15	.10	.70	.24	.17	.10	149	19	46	9.4	99.86
86-SRWAT-86	48.85	18.90	8.99	5.28	5.66	2.65	1.95	.97	.40	.11	.01	653	25	46	6.0	99.90
86-SRWAC-87	59.37	14.43	8.69	5.23	3.03	2.40	1.45	.70	.23	.08	.01	639	19	55	4.2	99.95
86-SRWAT-90	53.70	19.07	7.71	4.30	5.37	3.90	1.60	.74	.39	.12	.01	988	26	70	2.8	99.91
86-SRWAT-91	66.73	15.37	4.16	2.67	3.39	3.25	1.75	.39	.13	.07	.01	1207	20	30	1.7	99.86
86-SRWAT-96	56.42	17.04	8.27	3.88	5.69	3.85	1.20	.82	.19	.18	.01	843	25	67	2.0	99.72
86-SRWAI-97	71.10	15.02	2.39	.60	1.67	3.35	2.85	.19	.09	.05	.01	748	13	59	2.3	99.77
86-SCWCB-421	49.80	16.93	7.98	7.43	8.58	3.10	1.50	1.11	.63	.16	.03	612	28	104	2.2	99.58
86-SCWCC-422	56.87	16.90	6.99	4.33	4.69	4.10	1.40	.75	.37	.10	.02	389	24	23	3.0	99.60
86-SCWCC-424	52.42	17.73	5.45	2.69	5.60	1.25	3.90	.67	.35	.08	.01	360	24	45	9.4	99.63
86-SCWCT-428	57.14	17.39	6.98	4.00	5.30	4.40	.50	.61	.42	.11	.01	202	27	41	2.8	99.71
86-SCWCT-429	54.72	18.26	7.21	4.21	5.16	3.70	1.90	.63	.33	.09	.01	1029	25	56	3.3	99.73
86-SCWCT-434	54.16	17.82	6.20	3.97	5.49	2.85	4.45	.69	.42	.19	.01	2112	23	115	2.9	99.57
86-SCWCT-435	60.60	16.92	5.41	2.57	4.23	4.25	2.15	.55	.39	.07	.01	688	23	28	2.4	99.69
86-SCWCT-440	54.68	18.30	7.67	4.59	3.58	4.20	1.25	.66	.49	.12	.01	511	27	76	4.0	99.66
86-SCWCT-444	58.61	17.40	6.92	2.90	3.92	3.80	2.20	.51	.37	.09	.01	900	24	69	2.7	99.61
86-SCWCT-451	49.46	14.15	12.77	6.62	9.48	2.50	.60	1.78	.16	.17	.02	83	28	56	1.7	99.44
86-SCWBT-457	50.96	17.26	8.80	5.62	8.00	4.35	.70	.91	.27	.15	.02	293	26	57	2.4	99.51
86-SCWBD-461	50.97	18.39	9.82	4.82	5.87	3.65	1.50	.79	.24	.35	.01	1311	23	13	2.9	99.57
86-SCWDX-482	57.19	17.56	9.52	3.68	.86	3.00	1.75	1.00	.39	.14	.01	286	14	5	4.4	99.56
86-SCWAT-483	67.72	14.87	4.20	2.29	4.31	2.30	1.95	.39	.13	.09	.01	1319	18	35	1.1	99.62
86-SCWAT-484	56.41	16.74	7.75	3.97	6.71	3.50	1.40	.64	.23	.15	.01	793	21	48	2.0	99.67
86-SCWGT-490	69.61	13.99	4.18	1.69	.52	4.90	2.45	.36	.11	.05	.01	1314	16	64	1.5	99.63
86-SCWGT-502	68.68	14.68	3.68	1.81	3.76	2.95	1.65	.34	.11	.07	.01	1390	17	74	1.6	99.62
86-SCWGT-508	59.26	18.19	6.05	2.67	4.84	4.95	1.00	.57	.23	.11	.01	389	25	25	1.7	99.66
86-SCWGT-511	55.61	17.37	8.27	3.69	6.22	4.40	1.30	.73	.38	.13	.01	783	26	5	1.4	99.66
86-SCWGD-512	66.66	15.49	4.16	2.13	3.89	3.20	1.90	.39	.13	.07	.01	910	18	18	1.4	99.61
86-SCWGC-513	75.17	12.89	2.18	.89	2.31	3.10	1.45	.22	.05	.04	.01	1116	19	47	1.1	99.63
86-SCWGT-516	72.80	13.16	2.60	1.05	4.39	1.75	1.45	.28	.06	.05	.01	2333	18	65	1.6	99.66
STD SO-4	68.01	10.12	3.31	.99	1.64	1.30	2.00	.54	.21	.07	.01	767	28	308	11.4	99.79

UTAH MINES PROJECT - 2164 FILE # 86-2813

SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba PPM	Y PPM	Zr PPM	Loi %	Sum
86-SCWGT-517	59.11	16.29	6.76	3.80	4.70	3.45	2.10	.59	.31	.11	.01	785	25	87	2.5	99.89
86-SCWGT-518	63.49	15.46	5.49	2.93	4.36	3.55	1.45	.50	.20	.09	.01	1158	22	89	2.1	99.87
STD SO-4	68.28	10.19	3.36	.98	1.60	1.35	1.90	.54	.20	.07	.01	767	29	260	11.3	99.96

RECEIVED
DEC 1986

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

UTAH MINES LTD.
EXPLORATION DEPT.

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: PULP

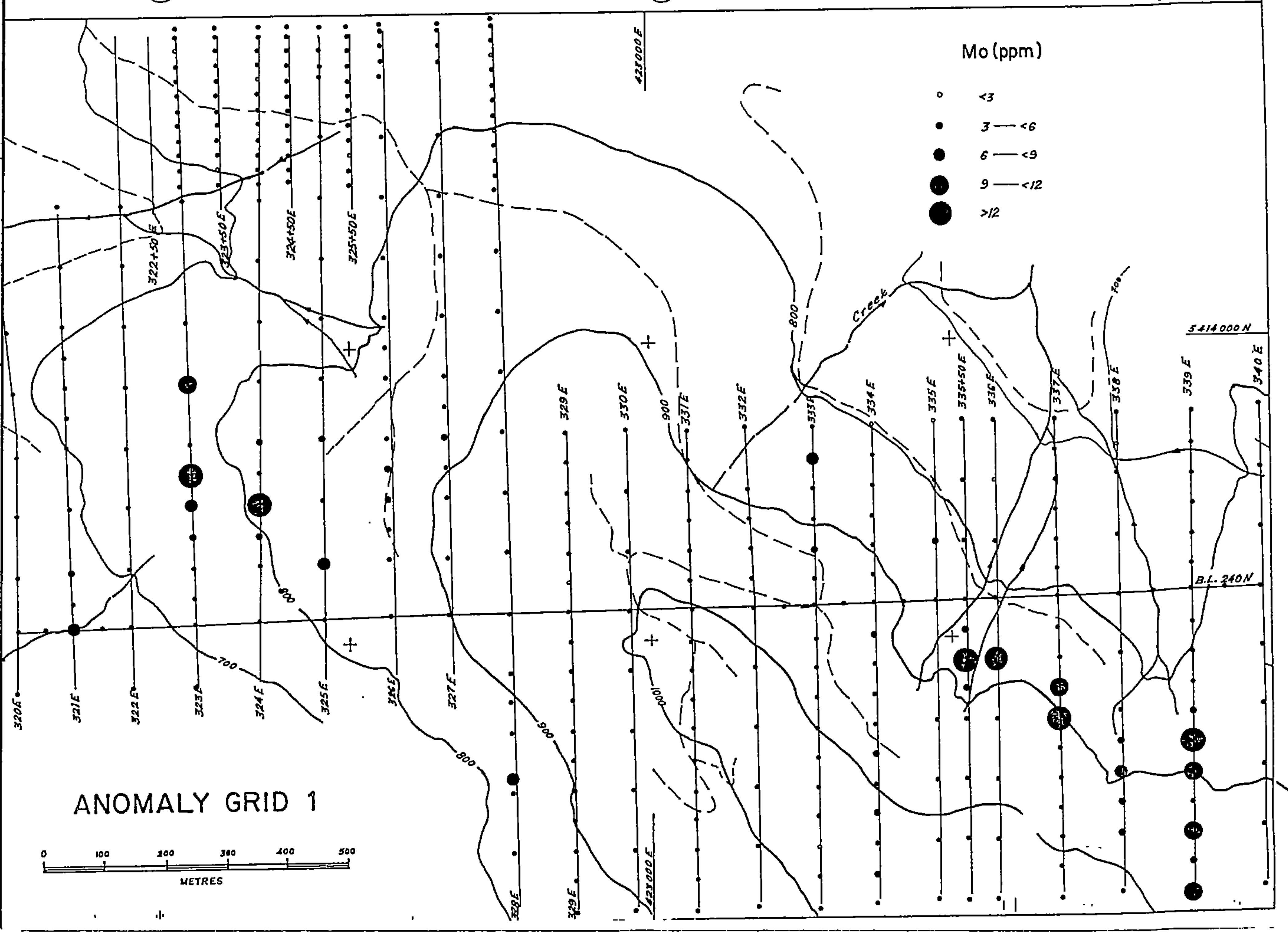
DATE RECEIVED: DEC 9 1986 DATE REPORT MAILED: Dec 12/86 ASSAYER. D. Toye. DEAN TOYE. CERTIFIED B.C. ASSAYER.

UTAH MINES PROJECT - 2164 FILE # 86-2273 R

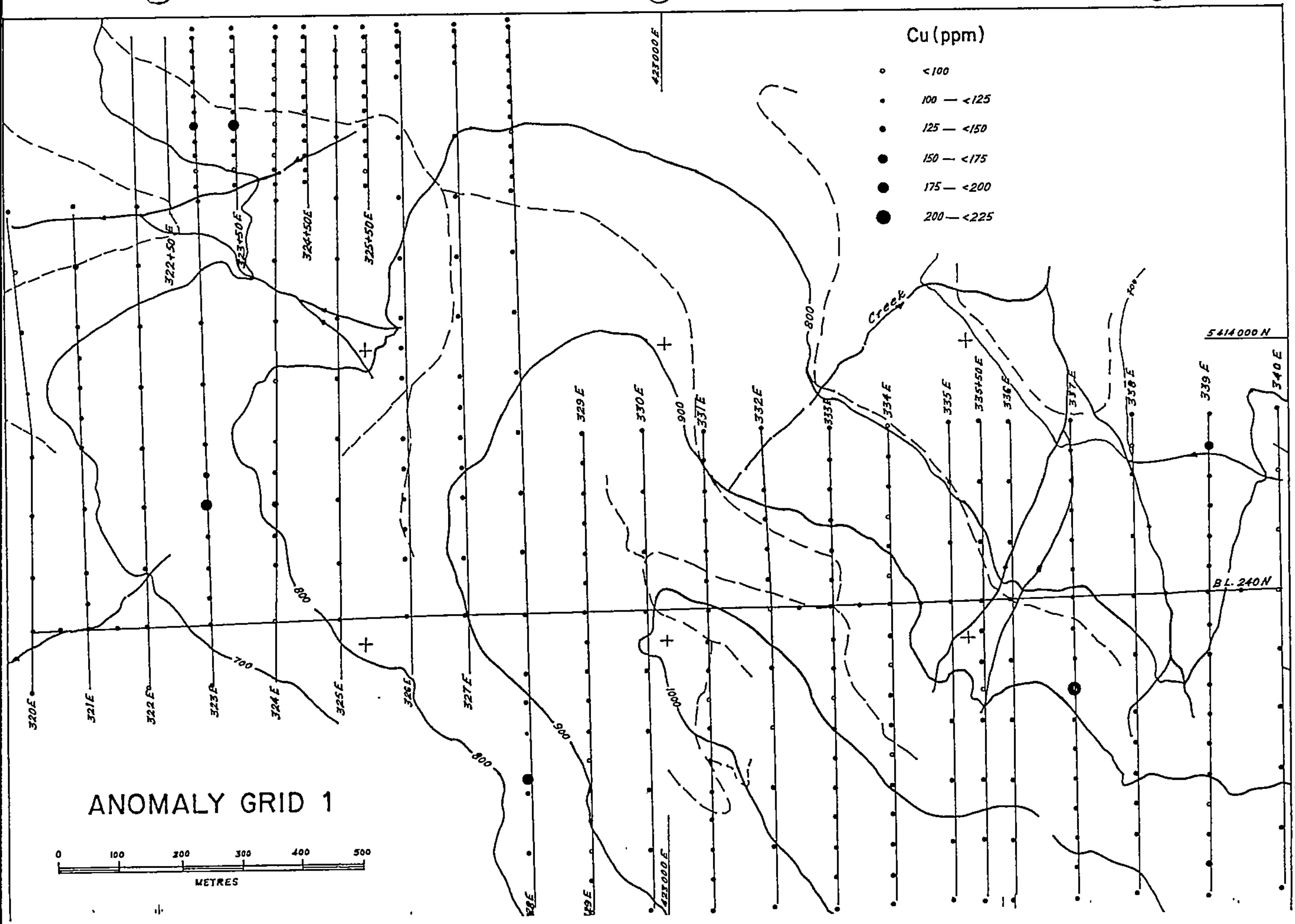
SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM
86SNHB-90(-20+200)	1	85	13	59	.1	26	20	565	4.23	24	9	ND	3	157	1	2	2	110	1.57	.083	15	49	1.15	97	.35	6	1.91	.05	.06	1
86SNHB-91(-20+200)	1	72	8	60	.1	24	16	507	3.70	13	5	ND	2	154	1	2	2	100	1.57	.085	11	55	1.24	104	.33	14	1.99	.06	.06	1
86SNHB-92(-20+200)	1	87	16	57	.1	32	23	571	4.89	20	5	ND	2	166	1	2	2	121	1.69	.079	13	52	1.19	159	.38	6	1.97	.05	.06	1
86SNHB-93(-20+200)	1	76	8	61	.1	28	19	542	4.14	15	5	ND	2	177	1	2	2	112	1.79	.081	11	54	1.20	125	.37	9	2.03	.06	.06	2
86SNHB-94(-20+200)	1	74	10	59	.1	28	17	626	3.85	20	5	ND	1	150	1	2	2	102	1.53	.086	9	56	1.30	111	.32	5	1.98	.05	.06	1
86SNHB-95(-20+200)	1	83	12	57	1.0	31	20	537	4.33	20	5	ND	3	171	1	2	2	116	1.73	.083	11	55	1.22	133	.38	9	2.02	.06	.06	1
86SNHB-96(-20+200)	1	77	9	55	.1	28	18	473	3.83	11	5	ND	1	163	1	2	2	106	1.61	.078	7	54	1.22	86	.33	2	1.96	.05	.05	1
86SNHB-97(-20+200)	1	95	26	56	.1	32	24	562	4.75	20	5	ND	3	163	1	2	2	121	1.67	.081	13	53	1.16	157	.38	6	1.92	.05	.06	1
86SNHB-98(-20+200)	1	85	7	57	.2	31	19	568	4.39	18	5	ND	2	168	1	2	2	117	1.75	.084	12	56	1.29	148	.37	12	2.04	.06	.06	1
86SNHB-99(-20+200)	1	87	11	57	.1	28	23	492	4.38	18	5	ND	3	131	1	2	2	107	1.32	.083	11	50	1.16	126	.33	4	1.75	.04	.05	1
86SNHB-100(-20+200)	1	107	11	59	.1	30	22	497	4.41	21	5	ND	3	153	1	2	2	114	1.47	.082	14	47	1.15	102	.34	7	1.84	.04	.10	1
86SNHB-101(-20+200)	1	85	14	60	.1	30	21	496	4.25	17	5	ND	1	142	1	2	2	106	1.41	.083	11	51	1.17	146	.34	3	1.81	.04	.05	2
86SNHB-102(-20+200)	1	96	7	57	.1	31	23	551	4.39	15	5	ND	2	162	1	2	2	115	1.64	.082	11	54	1.19	169	.36	8	1.93	.05	.06	1
86SNHB-103(-20+200)	1	90	7	55	.1	29	20	509	4.11	18	5	ND	2	129	1	2	2	105	1.27	.081	11	53	1.18	118	.32	3	1.75	.04	.05	1
86SNHB-104(-20+200)	1	82	6	56	.1	30	20	537	4.26	20	5	ND	2	160	1	2	2	113	1.63	.081	14	53	1.23	103	.36	5	1.98	.05	.06	1
86SNHB-105(-20+200)	1	80	10	54	.1	26	19	501	4.13	20	5	ND	2	146	1	2	2	106	1.45	.082	10	54	1.19	115	.33	3	1.84	.04	.05	1
86SNHB-115(-20+200)	1	85	11	61	.1	30	27	586	4.47	31	5	ND	1	198	1	2	2	97	1.49	.076	6	70	1.21	221	.29	13	1.86	.05	.02	1
86SNHB-116(-20+200)	1	77	11	68	.1	34	22	555	4.34	25	5	ND	2	189	1	2	2	101	1.49	.085	9	74	1.30	184	.29	5	1.95	.03	.06	1
86SNHB-117(-20+200)	1	94	12	66	.1	33	20	636	4.26	20	5	ND	1	211	1	2	2	103	1.67	.083	9	75	1.33	194	.30	8	2.08	.04	.07	1
86SNHB-118(-20+200)	1	92	12	63	.1	35	31	547	5.12	31	5	ND	2	185	1	2	2	103	1.38	.079	10	70	1.22	252	.30	7	1.80	.03	.05	1
86SNHB-119(-20+200)	1	79	15	68	.1	35	23	602	4.63	26	5	ND	1	199	1	2	2	109	1.58	.086	11	77	1.34	166	.31	8	2.04	.04	.06	1
86SNHB-120(-20+200)	1	91	8	66	.1	32	22	598	4.52	28	5	ND	1	196	1	2	2	109	1.64	.086	10	74	1.31	162	.32	9	2.02	.04	.06	1
86SNHB-121(-20+200)	1	74	10	62	.1	33	19	540	4.15	21	5	ND	2	179	1	2	2	108	1.64	.088	12	66	1.32	144	.34	4	2.03	.05	.06	1
86SNHB-122(-20+200)	1	73	6	64	.1	32	19	544	4.05	21	5	ND	1	171	1	2	2	102	1.47	.087	10	69	1.33	122	.31	2	1.96	.04	.05	1
86SNHC-106(-20+200)	1	74	7	66	.1	33	21	552	4.17	25	5	ND	1	198	1	2	2	99	1.48	.080	8	74	1.29	234	.28	3	1.97	.03	.05	1
86SNHC-107(-20+200)	1	74	16	69	.1	36	21	551	4.23	28	5	ND	1	178	1	2	2	99	1.35	.082	8	75	1.33	190	.29	10	1.90	.03	.06	1
86SNHC-108(-20+200)	1	68	8	67	.1	35	19	545	3.95	23	5	ND	1	196	1	2	2	98	1.47	.080	8	75	1.26	196	.29	7	1.95	.03	.05	1
86SNHC-109(-20+200)	1	75	16	67	.3	36	21	578	4.32	27	6	ND	2	182	1	3	2	99	1.36	.082	8	77	1.30	214	.29	9	1.89	.03	.05	1
86SNHC-110(-20+200)	1	74	12	71	.1	34	21	572	4.26	27	5	ND	1	186	1	2	2	103	1.41	.083	10	76	1.36	172	.29	10	1.98	.03	.06	1
86SNHC-111(-20+200)	1	79	16	68	.1	33	20	549	4.28	28	5	ND	1	184	1	2	2	102	1.40	.085	10	77	1.35	199	.30	7	1.96	.03	.06	1
86SNHC-112(-20+200)	1	76	8	66	.1	35	22	566	4.38	24	5	ND	1	209	1	2	2	108	1.65	.085	9	75	1.37	155	.31	4	2.09	.04	.06	1
86SNHC-113(-20+200)	1	86	5	65	.2	35	28	544	5.12	34	5	ND	1	194	1	2	2	108	1.36	.079	9	70	1.11	297	.30	6	1.75	.02	.04	1
86SNHC-114(-20+200)	1	73	10	67	.1	36	22	573	4.23	24	5	ND	1	192	1	2	2	102	1.48	.085	9	76	1.31	190	.30	6	1.99	.03	.06	1
86SNHC-123(-20+200)	1	70	13	63	.1	34	21	542	4.19	29	5	ND	1	211	1	2	2	102	1.60	.084	10	75	1.28	166	.30	7	1.99	.03	.05	1
86SNHC-124(-20+200)	1	70	10	66	.1	34	19	556	4.02	29	5	ND	2	190	1	2	3	99	1.45	.084	8	78	1.35	190	.29	8	1.94	.03	.06	1
86SNHC-125(-20+200)	1	120	12	67	.1	33	21	560	4.01	21	5	ND	1	200	1	2	2	100	1.60	.083	10	78	1.39	161	.28	2	2.10	.04	.06	1
86SNHC-126(-20+200)	1	84	11	65	.1	36	27	565	5.04	33	5	ND	1	213	1	2	2	108	1.52	.081	9	77	1.18	385	.30	4	1.91	.03	.05	1
STD C	21	58	42	135	6.9	66	29	1003	3.94	40	13	7	33	48	18	15	18	62	.47	.102	35	56	.88	177	.08	37	1.71	.07	.13	12

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM
86SNHC-127(-20+200)	1	71	8	65	.1	32	18	526	3.92	24	5	ND	2	222	1	2	2	102	1.83	.076	9	78	1.31	209	.30	11	2.11	.04	.07	1
86SNHC-128(-20+200)	1	76	8	74	.1	33	21	541	4.32	39	5	ND	1	179	1	2	2	98	1.36	.074	9	72	1.24	273	.28	4	1.87	.03	.06	1
86SNHC-129(-20+200)	1	79	9	66	.1	29	19	526	4.03	28	5	ND	2	211	1	3	2	102	1.63	.075	10	75	1.22	230	.29	13	2.00	.03	.07	1
86SNHC-130(-20+200)	1	86	12	62	.2	29	20	554	3.97	20	7	ND	2	233	1	2	2	101	1.87	.072	8	70	1.25	209	.30	14	2.09	.04	.06	1
86SNHC-131(-20+200)	1	75	13	59	.1	30	20	495	4.05	22	5	ND	1	219	1	2	2	103	1.79	.070	9	74	1.22	202	.31	8	2.00	.04	.06	1
86SNHC-132(-20+200)	1	65	7	54	.1	29	17	486	3.39	16	5	ND	2	198	1	2	3	95	1.60	.072	9	74	1.27	75	.30	7	1.96	.04	.06	1
86SNHC-133(-20+200)	1	69	11	53	.2	30	20	487	3.65	15	6	ND	2	201	1	3	2	100	1.64	.070	8	74	1.28	62	.31	15	2.01	.04	.07	2
86SNHC-134(-20+200)	1	67	7	53	.1	29	17	449	3.32	16	5	ND	1	191	1	2	2	94	1.53	.067	8	69	1.19	60	.30	6	1.87	.03	.05	1
86SNHC-135(-20+200)	1	70	8	49	.1	31	21	449	3.64	11	5	ND	1	192	1	2	2	95	1.46	.069	8	68	1.20	52	.30	4	1.84	.03	.05	1
86SNHC-136(-20+200)	1	74	7	49	.1	28	20	436	3.74	13	5	ND	2	190	1	2	2	99	1.51	.068	8	69	1.18	57	.30	9	1.82	.03	.05	1
86SNHC-137(-20+200)	1	60	10	43	.1	29	18	360	2.87	11	5	ND	1	226	1	2	2	76	1.49	.079	7	82	1.28	24	.24	4	1.84	.02	.04	1
86SNHC-138(-20+200)	1	68	14	52	.2	35	18	505	3.71	13	5	ND	1	202	1	2	2	108	1.82	.062	8	69	1.22	62	.34	12	2.06	.04	.05	1
86SNHC-139(-20+200)	1	73	4	54	.1	30	20	501	4.02	12	5	ND	1	165	1	2	2	110	1.46	.062	8	65	1.20	63	.34	11	1.93	.03	.06	1
86SNHC-140(-20+200)	1	74	8	53	.1	32	18	523	3.81	12	5	ND	1	180	1	2	2	112	1.73	.061	8	66	1.19	70	.36	15	2.02	.05	.06	1
86SNHC-141(-20+200)	1	73	13	53	.1	32	18	528	3.93	24	5	ND	1	178	1	2	2	113	1.72	.060	8	68	1.23	78	.35	15	2.06	.05	.06	1
86SNHC-142(-20+200)	1	80	5	52	.1	34	20	492	4.07	14	5	ND	1	156	1	2	2	111	1.48	.058	7	64	1.16	78	.35	15	1.89	.04	.05	1
86SRHB-52(-20+200)	1	68	8	53	.1	27	16	478	3.67	14	5	ND	1	176	1	2	2	106	1.69	.083	11	54	1.23	86	.34	7	1.99	.05	.05	1
86SRHB-53(-20+200)	1	75	4	54	.1	25	19	505	4.06	15	5	ND	1	156	1	2	2	107	1.53	.080	11	52	1.21	102	.33	8	1.88	.05	.05	1
86SRHB-54(-20+200)	1	91	9	53	.1	31	25	573	5.07	19	5	ND	2	170	1	2	2	128	1.59	.077	11	52	1.10	144	.38	5	1.81	.04	.04	1
86SRHB-55(-20+200)	1	92	12	55	.1	28	24	519	4.76	17	5	ND	2	145	1	2	2	128	1.39	.075	13	50	1.08	120	.35	3	1.68	.04	.04	1
86SRHB-56(-20+200)	1	88	11	51	3.9	26	22	525	4.64	17	5	81	1	160	1	2	2	123	1.55	.077	10	50	1.09	132	.36	6	1.77	.04	.04	1
86SRHB-57(-20+200)	1	80	12	53	.1	27	20	543	4.16	15	5	ND	2	175	1	2	2	114	1.68	.077	13	52	1.15	112	.37	8	1.91	.05	.06	1
86SRHB-58(-20+200)	1	73	11	66	.1	26	19	557	4.36	17	5	ND	2	215	1	2	2	126	2.14	.077	12	54	1.18	87	.39	8	2.15	.06	.06	1
86SRHB-59(-20+200)	1	82	13	53	.1	28	23	558	4.95	23	5	ND	2	170	1	2	2	130	1.61	.075	14	54	1.10	131	.37	4	1.81	.04	.05	1
86SRHB-60(-20+200)	1	69	12	53	.1	29	16	534	3.99	9	5	ND	2	241	1	2	2	122	2.43	.086	14	60	1.24	63	.38	11	2.31	.07	.06	1
86SRHB-61(-20+200)	1	82	11	56	.2	29	23	540	4.52	17	5	ND	2	160	1	2	2	120	1.50	.081	13	57	1.19	102	.35	2	1.87	.05	.05	1
86SRHB-62(-20+200)	1	74	9	56	.2	28	19	564	4.26	15	5	ND	1	175	1	2	3	113	1.68	.081	10	53	1.22	68	.35	9	2.00	.05	.06	1
86SRHB-63(-20+200)	1	73	9	59	.1	31	18	556	4.21	14	5	ND	2	205	1	2	2	118	2.01	.082	13	56	1.20	85	.38	7	2.07	.06	.06	1
86SRHB-64(-20+200)	1	82	11	52	.1	30	23	498	4.58	18	5	ND	2	166	1	2	2	122	1.63	.081	14	53	1.18	117	.36	9	1.88	.05	.05	1
86SRHB-65(-20+200)	1	91	6	53	.1	29	24	510	4.61	16	5	ND	2	154	1	2	2	115	1.45	.082	13	54	1.14	107	.33	7	1.77	.04	.05	2
86SRHB-66(-20+200)	1	82	14	54	.1	28	24	552	5.03	20	5	ND	2	165	1	2	2	131	1.59	.080	14	52	1.15	166	.37	13	1.86	.05	.05	1
86SRHB-67(-20+200)	1	77	9	56	.1	29	19	514	4.16	16	5	ND	2	174	1	2	2	110	1.62	.083	13	59	1.24	92	.34	5	1.93	.05	.05	1
86SRHB-68(-20+200)	1	78	17	52	.2	29	21	496	4.55	14	6	ND	3	164	1	3	3	119	1.53	.078	17	55	1.14	137	.35	3	1.80	.04	.05	1
86SRHB-69(-20+200)	1	74	12	53	.1	32	19	501	4.12	16	5	ND	1	202	1	2	2	118	1.91	.079	10	59	1.21	87	.37	8	2.05	.05	.05	1
86SRHB-70(-20+200)	1	75	18	53	.1	30	19	553	4.33	14	5	ND	3	181	1	3	2	118	1.66	.080	17	56	1.15	113	.36	3	1.88	.05	.04	1
86SRHB-71(-20+200)	1	74	32	54	.1	31	18	576	3.97	16	5	ND	3	203	1	2	2	113	1.89	.082	17	60	1.27	139	.36	6	2.08	.06	.06	1
STD C	21	58	43	136	7.2	66	29	1017	3.97	40	16	8	34	49	17	16	21	63	.48	.102	36	57	.88	181	.08	34	1.72	.07	.13	12

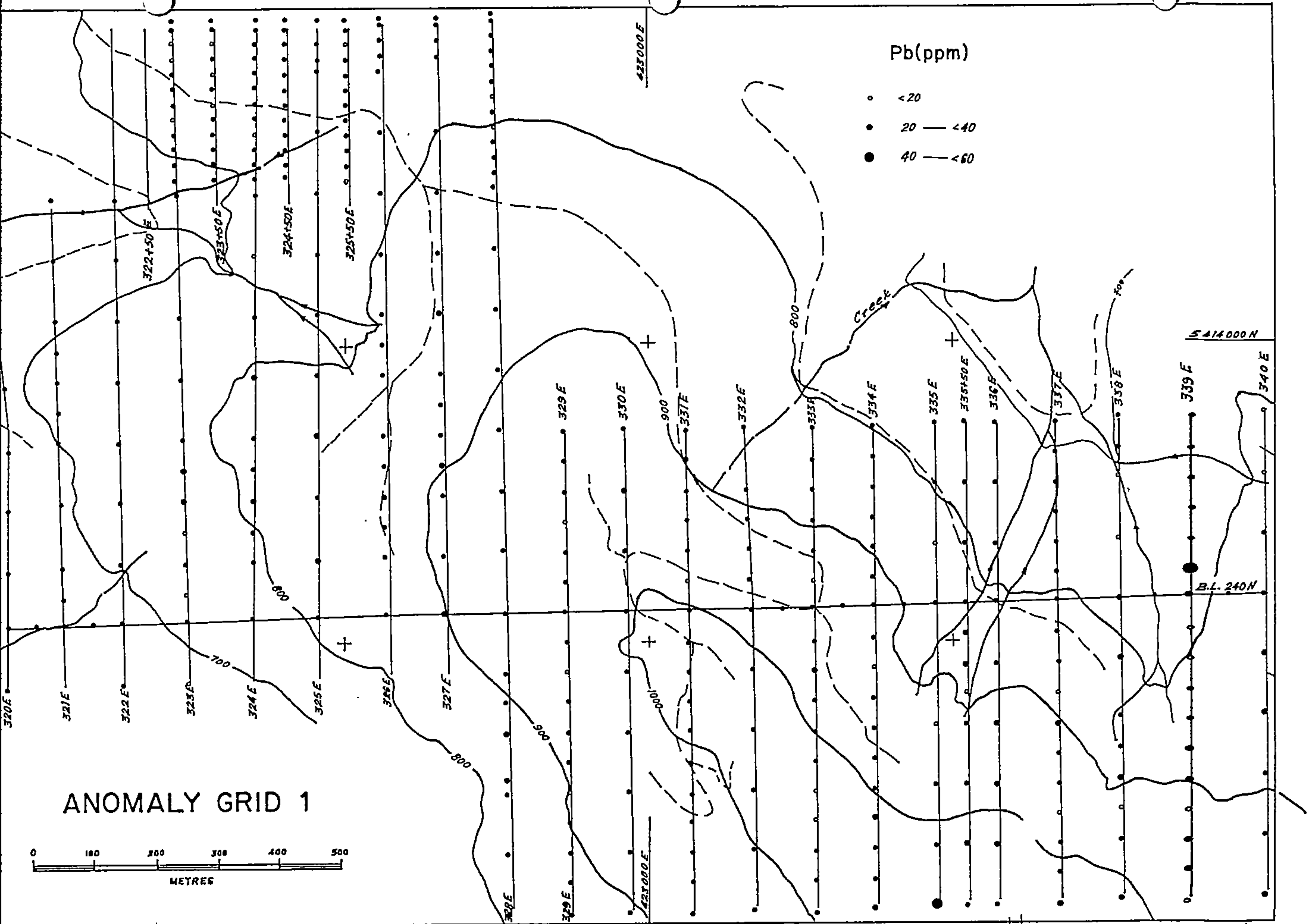
SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM
86SRHB-72(-20+200)	1	82	15	52	.1	30	22	463	4.34	19	5	ND	1	127	1	2	2	103	1.21	.072	12	54	1.12	103	.29	10	1.64	.04	.04	1
86SRHB-73(-20+200)	1	80	7	51	.2	26	22	492	4.23	19	5	ND	1	134	1	2	2	97	1.21	.074	12	51	1.07	118	.29	8	1.61	.04	.04	1
86SRHB-74(-20+200)	1	73	10	51	.1	33	19	546	4.12	18	5	ND	2	155	1	2	2	104	1.43	.073	13	54	1.15	92	.31	8	1.78	.05	.05	1
86SRHB-75(-20+200)	1	90	9	55	.2	31	21	487	4.17	19	5	ND	1	150	1	2	2	102	1.37	.076	11	59	1.16	112	.30	9	1.74	.04	.05	1
86SRHB-76(-20+200)	1	76	12	54	.2	33	20	483	4.18	18	5	ND	1	149	1	2	2	103	1.36	.079	11	56	1.17	114	.29	4	1.74	.04	.05	1
86SRHB-77(-20+200)	1	77	5	58	.1	31	18	646	3.95	18	5	ND	1	196	1	2	2	105	1.78	.073	10	63	1.25	91	.32	18	2.03	.06	.06	1
86SRHB-78(-20+200)	1	72	10	54	.2	31	20	485	4.00	17	5	ND	1	162	1	2	2	98	1.44	.077	9	58	1.20	145	.29	15	1.80	.04	.05	1
86SRHB-79(-20+200)	1	67	5	55	.1	31	19	496	3.82	16	5	ND	1	165	1	2	2	96	1.40	.074	11	58	1.13	104	.29	7	1.75	.04	.05	1
86SRHC-80(-20+200)	1	70	11	53	.1	36	16	472	3.68	11	5	ND	1	145	1	2	2	105	1.59	.064	6	68	1.21	65	.31	13	1.90	.06	.06	1
86SRHC-81(-20+200)	1	73	10	50	.1	35	17	433	3.55	37	5	ND	1	122	1	2	2	98	1.26	.055	6	64	1.12	44	.30	14	1.68	.04	.05	1
86SRHC-82(-20+200)	1	67	8	49	.1	36	16	456	3.56	8	5	ND	1	137	1	2	2	100	1.37	.058	6	63	1.17	78	.31	19	1.76	.04	.05	2
86SRHC-83(-20+200)	1	73	9	48	.1	34	17	458	3.62	12	5	ND	1	142	1	2	2	104	1.44	.058	8	65	1.17	57	.32	18	1.81	.05	.05	1
86SRHC-84(-20+200)	1	70	10	52	.1	35	18	491	3.91	14	5	ND	1	147	1	2	2	102	1.46	.061	6	66	1.16	75	.31	12	1.78	.04	.05	1
86SRHC-85(-20+200)	1	74	9	53	.1	37	18	444	4.06	14	5	ND	1	115	1	2	2	101	1.14	.059	5	61	1.17	57	.28	16	1.66	.04	.05	1
86SRHC-86(-20+200)	1	61	10	50	.1	36	16	553	3.48	11	5	ND	1	169	1	2	2	105	1.74	.057	7	68	1.24	59	.33	14	2.01	.06	.07	1
86SRHC-87(-20+200)	1	65	9	56	.1	38	16	465	3.47	10	5	ND	1	139	1	2	2	98	1.33	.058	6	68	1.19	84	.29	13	1.77	.04	.05	1
86SRHC-88(-20+200)	1	67	7	48	.1	37	19	427	3.71	17	5	ND	1	123	1	2	2	96	1.17	.057	6	61	1.13	71	.28	15	1.63	.03	.04	1
86SRHC-89(-20+200)	1	90	17	56	.3	35	20	518	4.52	16	5	ND	1	176	1	4	2	116	1.65	.059	7	66	1.17	89	.33	17	1.99	.05	.07	1
86SRHC-90(-20+200)	1	69	14	55	.1	35	17	533	3.66	11	5	ND	1	142	1	2	2	103	1.42	.057	7	64	1.22	61	.31	21	1.92	.05	.07	1
86SRHC-91(-20+200)	1	69	8	49	.1	33	20	467	3.97	12	5	ND	1	134	1	2	2	104	1.26	.058	6	60	1.13	56	.31	14	1.71	.04	.05	1
86SRHC-92(-20+200)	1	62	13	50	.1	33	16	500	3.45	8	5	ND	1	147	1	2	3	100	1.40	.057	7	64	1.17	53	.32	19	1.83	.04	.05	1
86SRHC-93(-20+200)	1	75	5	52	.1	36	19	485	3.89	15	5	ND	1	140	1	2	2	102	1.30	.061	6	62	1.17	59	.31	17	1.74	.03	.04	1
STD C	21	59	40	137	7.0	71	29	1020	3.96	40	14	8	34	50	17	15	22	63	.48	.099	36	59	.88	184	.08	35	1.72	.07	.13	13

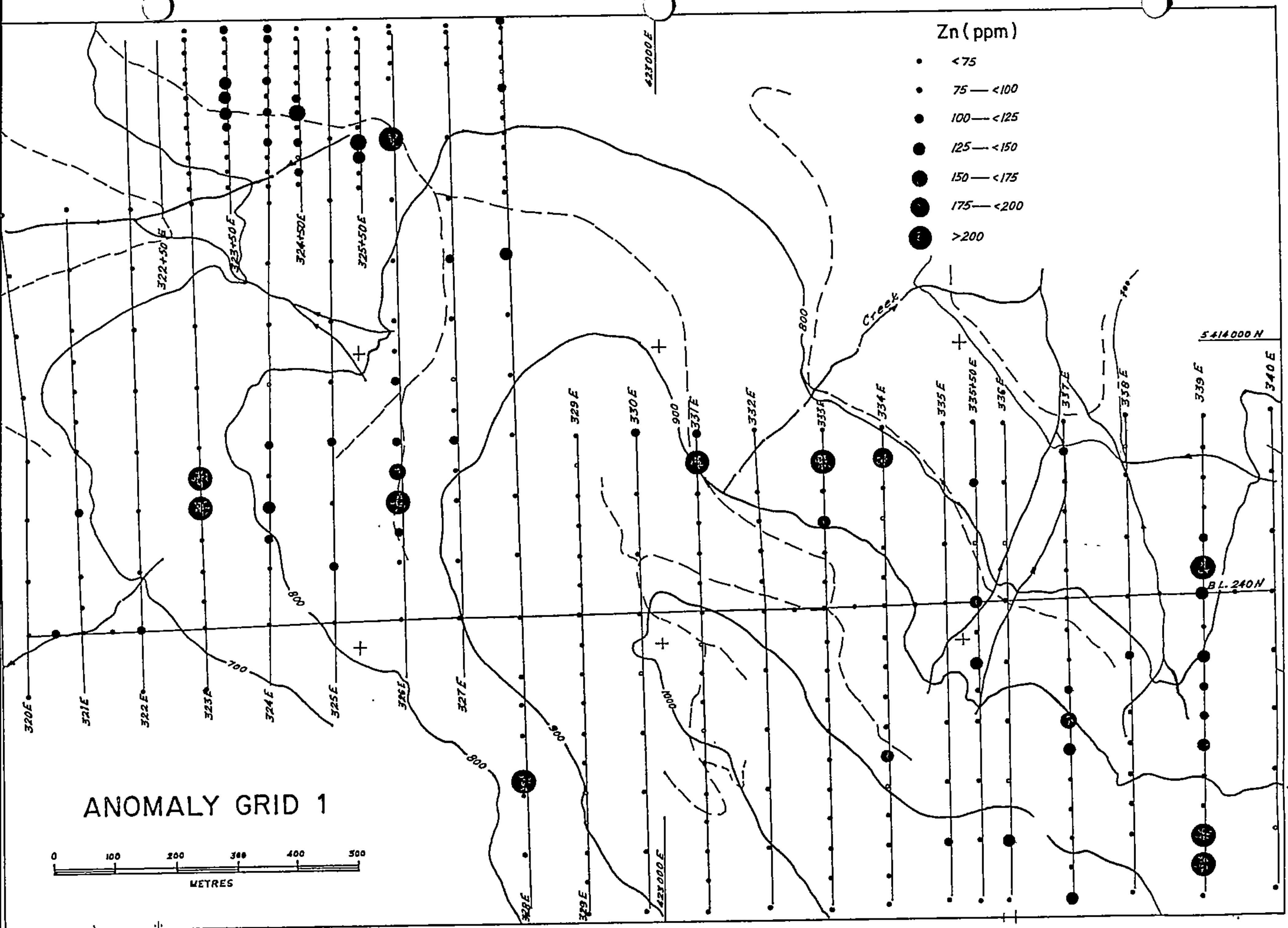


ANOMALY GRID 1
Mo (ppm)
<3
3 — <6
6 — <9
9 — <12
>12
0
100
200
300
400
500
METRES
B.L. 240N
5414000N
423000E
Creek
700
800
900
1000
320E
321E
322E
322+50E
323E
323+50E
324E
324+50E
325E
325+50E
326E
327E
328E
329E
330E
331E
332E
333E
334E
335E
335+50E
336E
337E
338E
339E
340E

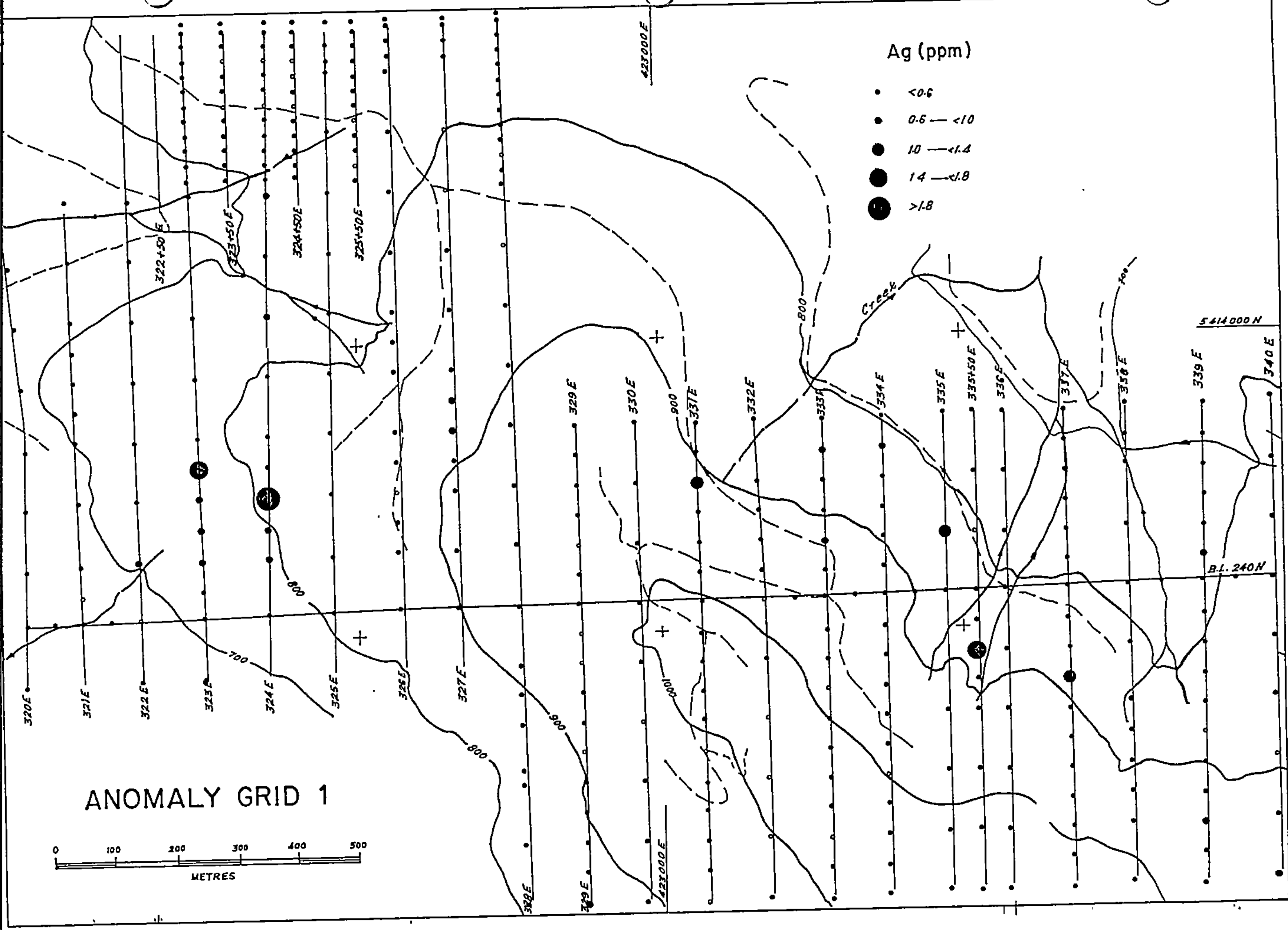


ANOMALY GRID 1
Cu (ppm)
< 100
100 — < 125
125 — < 150
150 — < 175
175 — < 200
200 — < 225
0
100
200
300
400
500
METRES
423000 E
5414000 N
BL. 240 N
Creek
320E
321E
322E
322+50 E
323E
323+50E
324E
324+50E
325E
325+50E
326E
327E
329E
330E
331E
332E
333E
334E
335E
335+50E
336E
337E
338E
339E
340E
700
800
900
1000

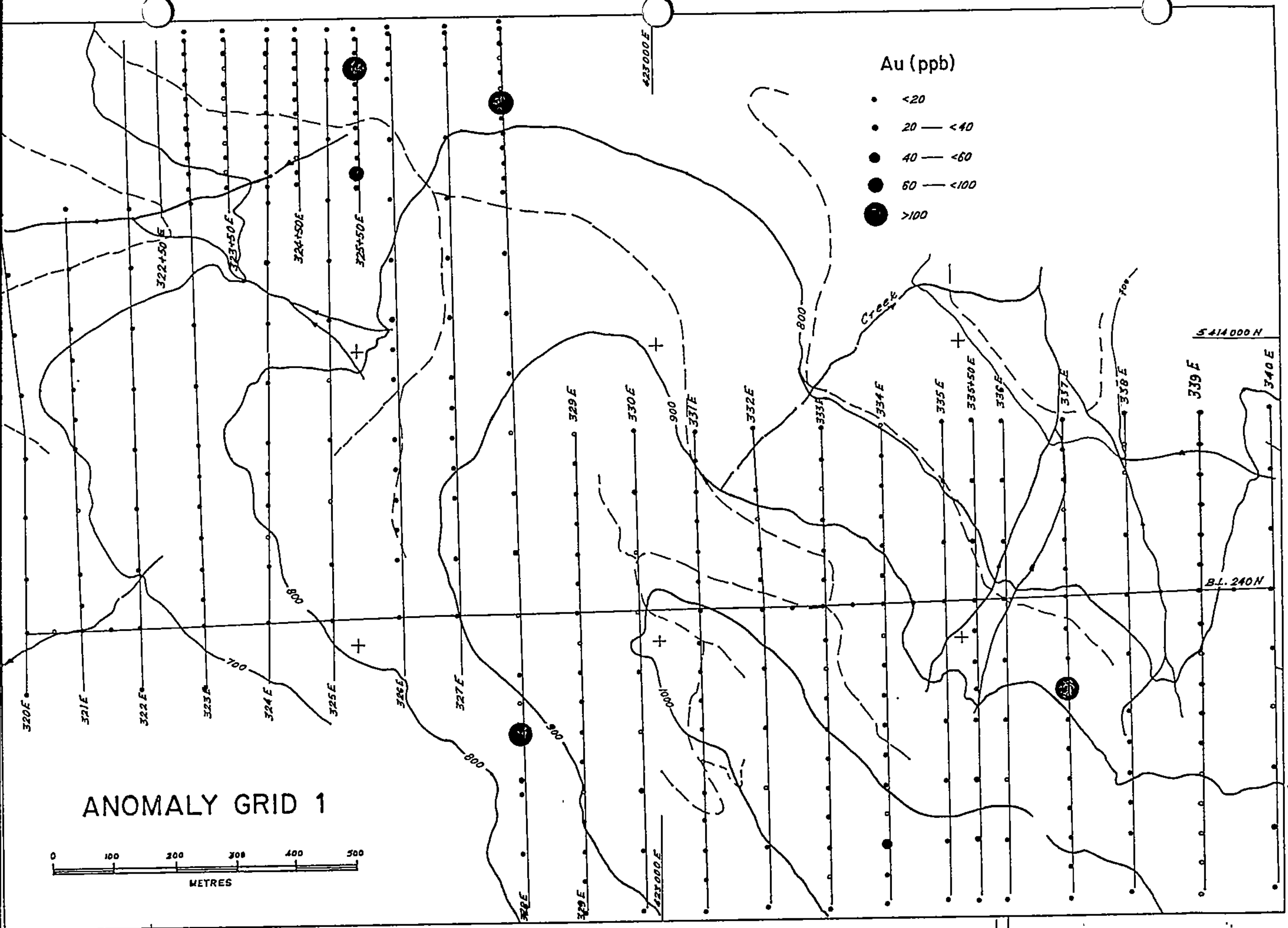

Pb(ppm)
<20
20 — <40
40 — <60
5414000N
B.L. 240N
423000E
Creek
ANOMALY GRID 1
0
100
200
300
400
500
METRES



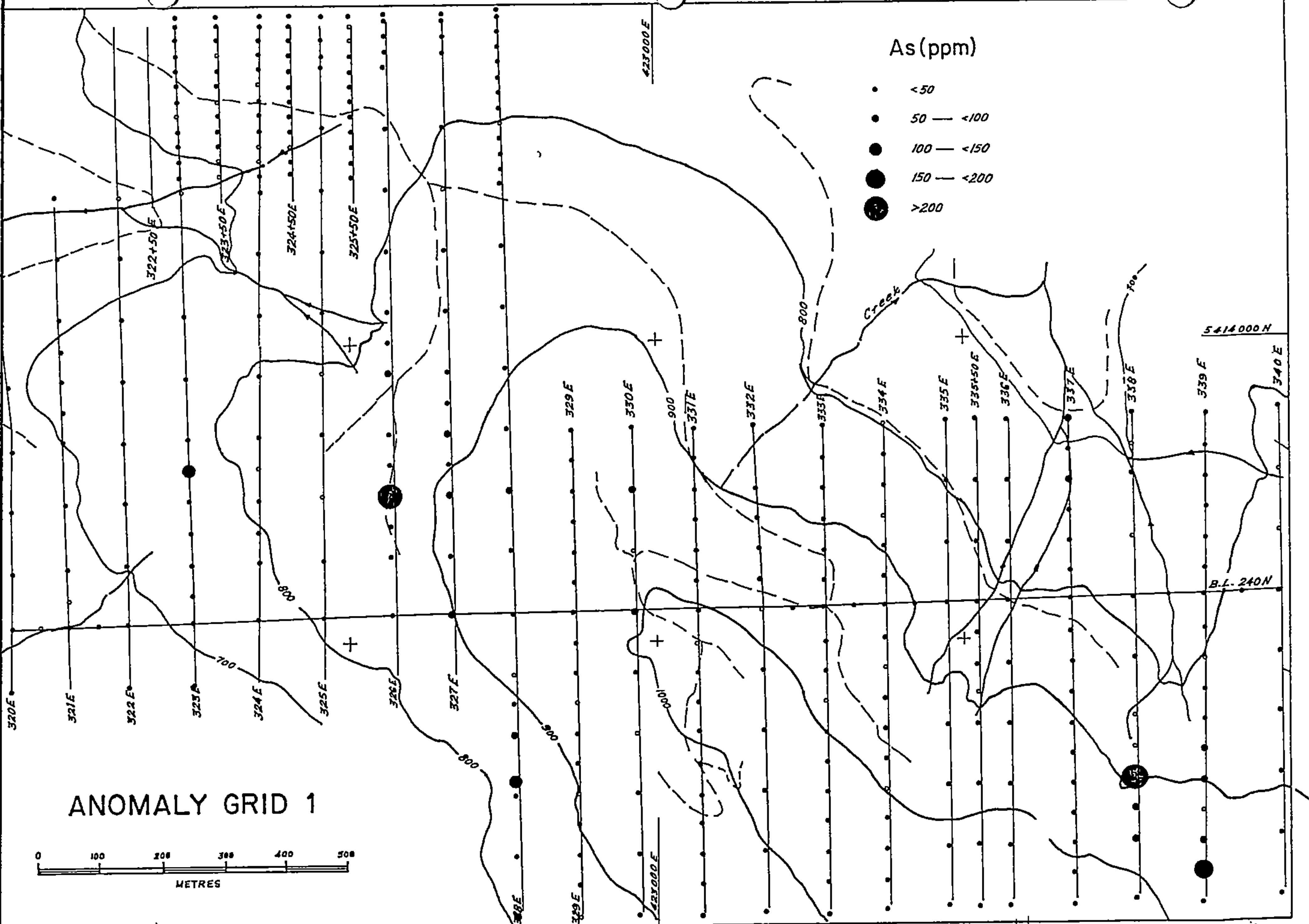
Zn (ppm)
<75
75 — <100
100 — <125
125 — <150
150 — <175
175 — <200
>200
ANOMALY GRID 1
0
100
200
300
400
500
METRES
BL 240N
5414000N
423000E
Creek
320E
321E
322E
322+50E
323E
323+50E
324E
324+50E
325E
325+50E
326E
327E
328E
329E
330E
331E
332E
333E
334E
335E
335+50E
336E
337E
338E
339E
340E
700
800
900
1000

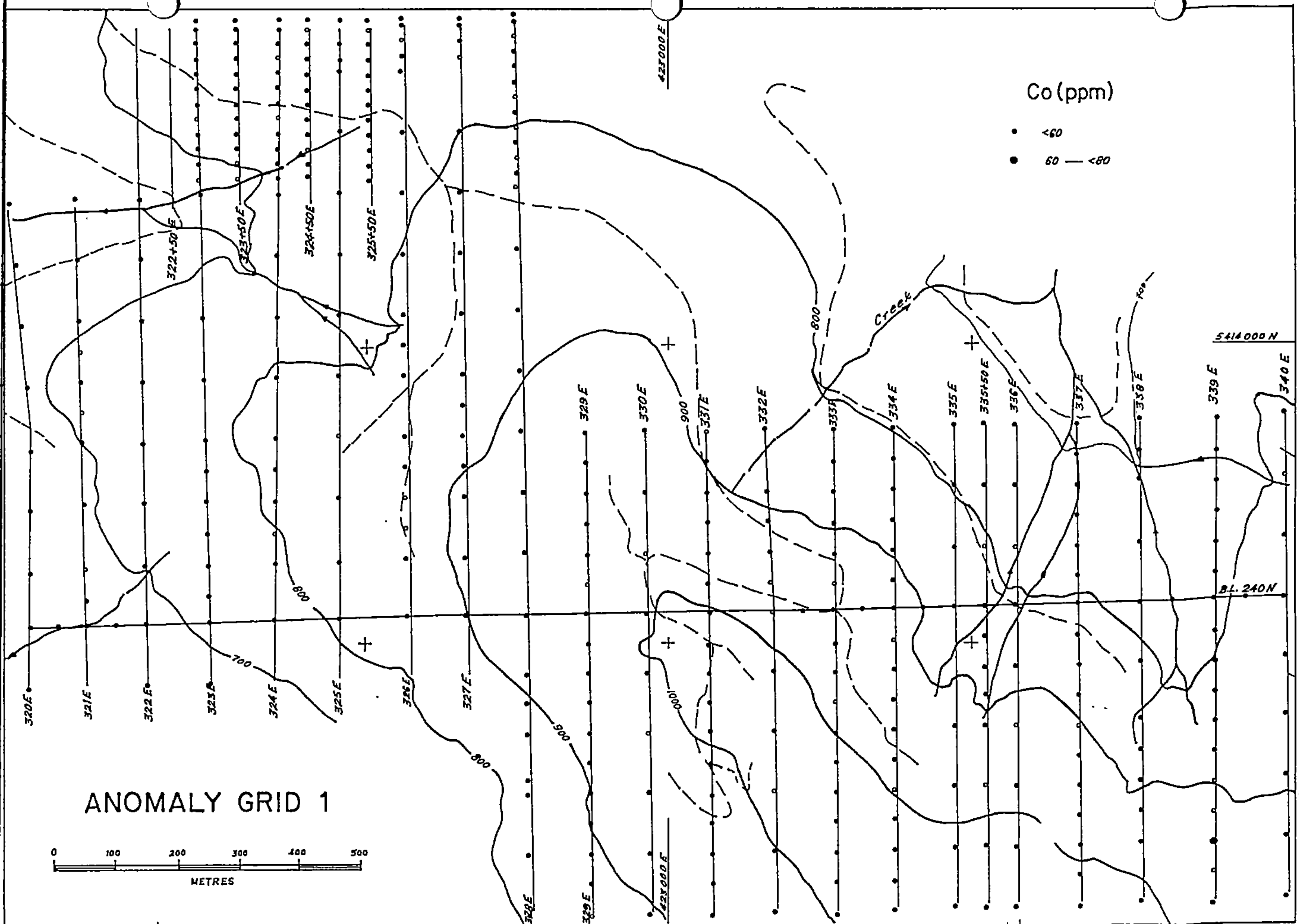


ANOMALY GRID 1

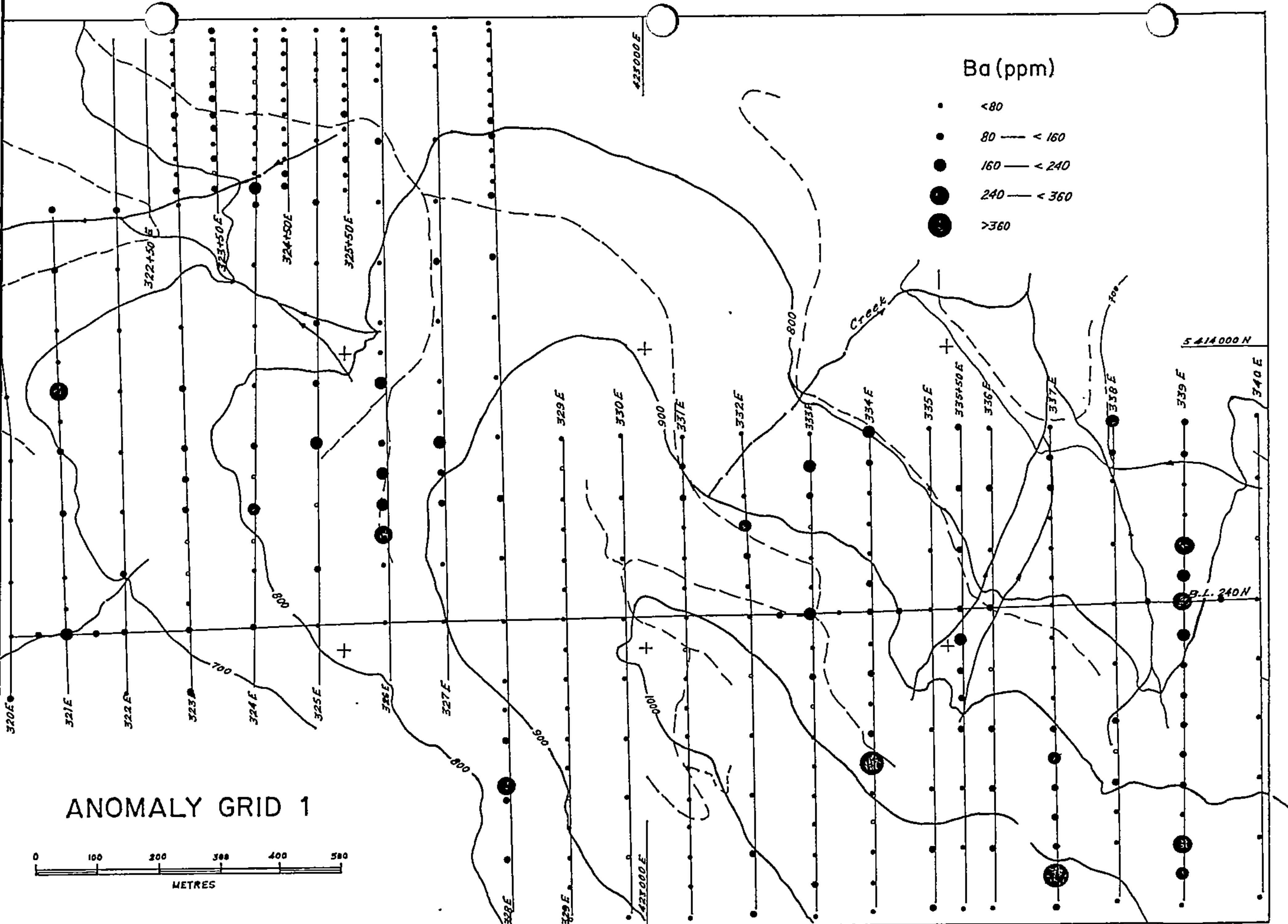

ANOMALY GRID 1
Au (ppb)
<20
20 — <40
40 — <60
60 — <100
>100
0
100
200
300
400
500
METRES
Creek
5 414 000 N
B.L. 240 N
423 000 E
320E
321E
322E
322+50E
323E
323+50E
324E
324+50E
325E
325+50E
326E
327E
328E
329E
330E
331E
332E
333E
334E
335E
335+50E
336E
337E
338E
339E
340E
700
800
900
1000

ANOMALY GRID 1

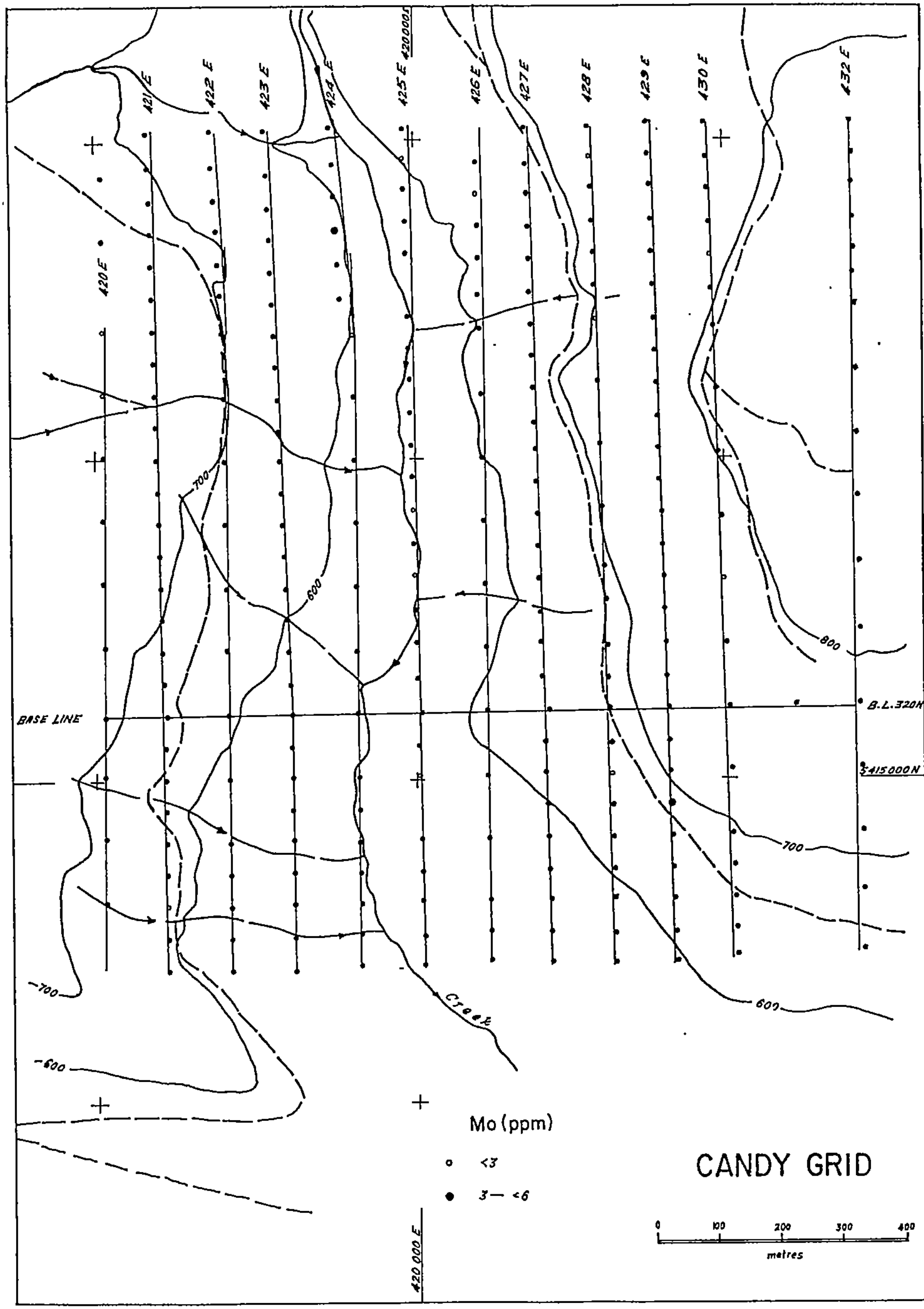


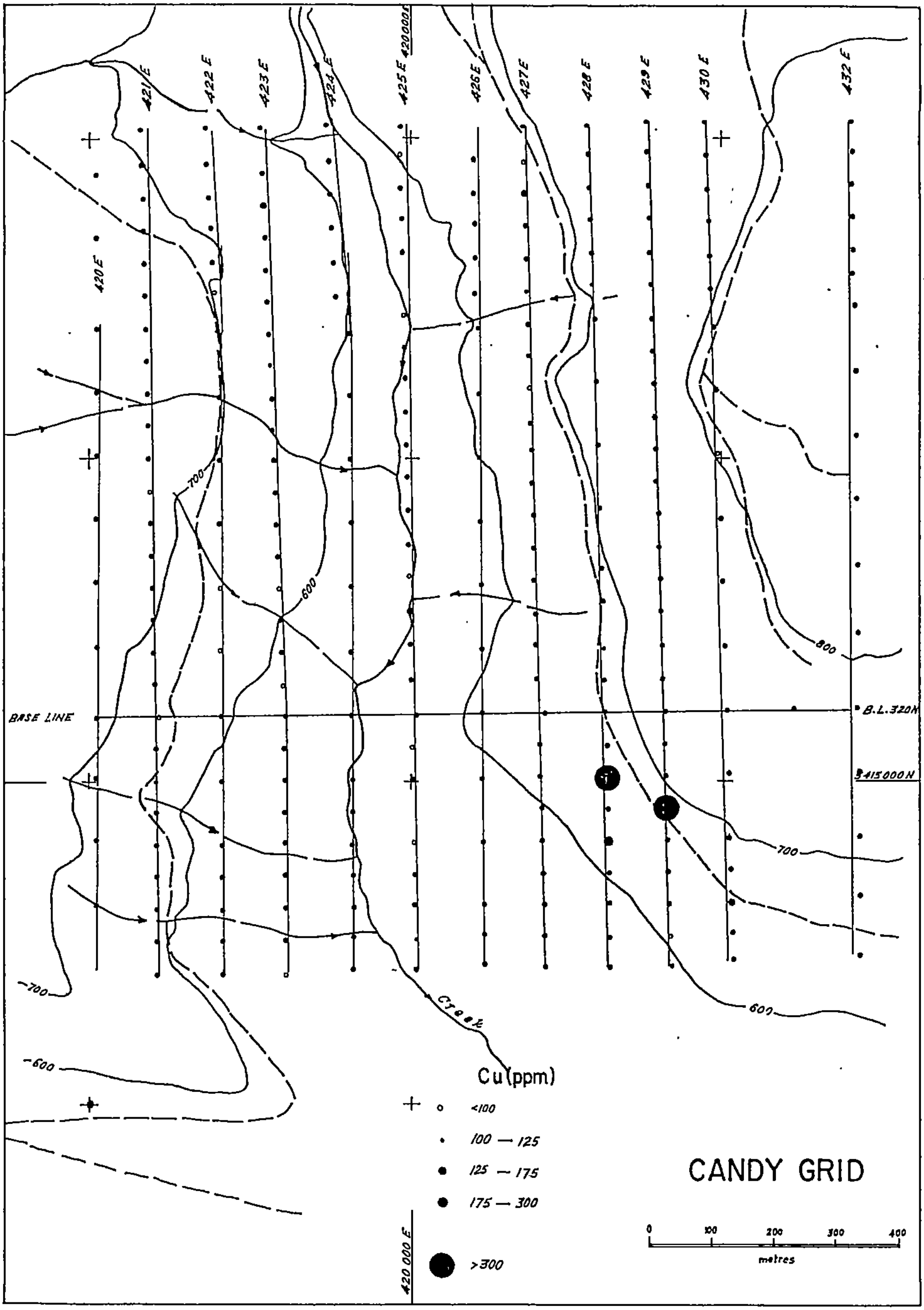


Co (ppm)
<60
60 — <80
ANOMALY GRID 1
0
100
200
300
400
500
METRES
423000 E
5414000 N
B.L. 240 N
Creek
320E
321E
322E
322+50 E
323E
323+50E
324E
324+50E
325E
325+50E
326E
327E
328E
329E
330E
331E
332E
333E
334E
335E
335+50E
336E
337E
338E
339E
340E
700
800
900
1000



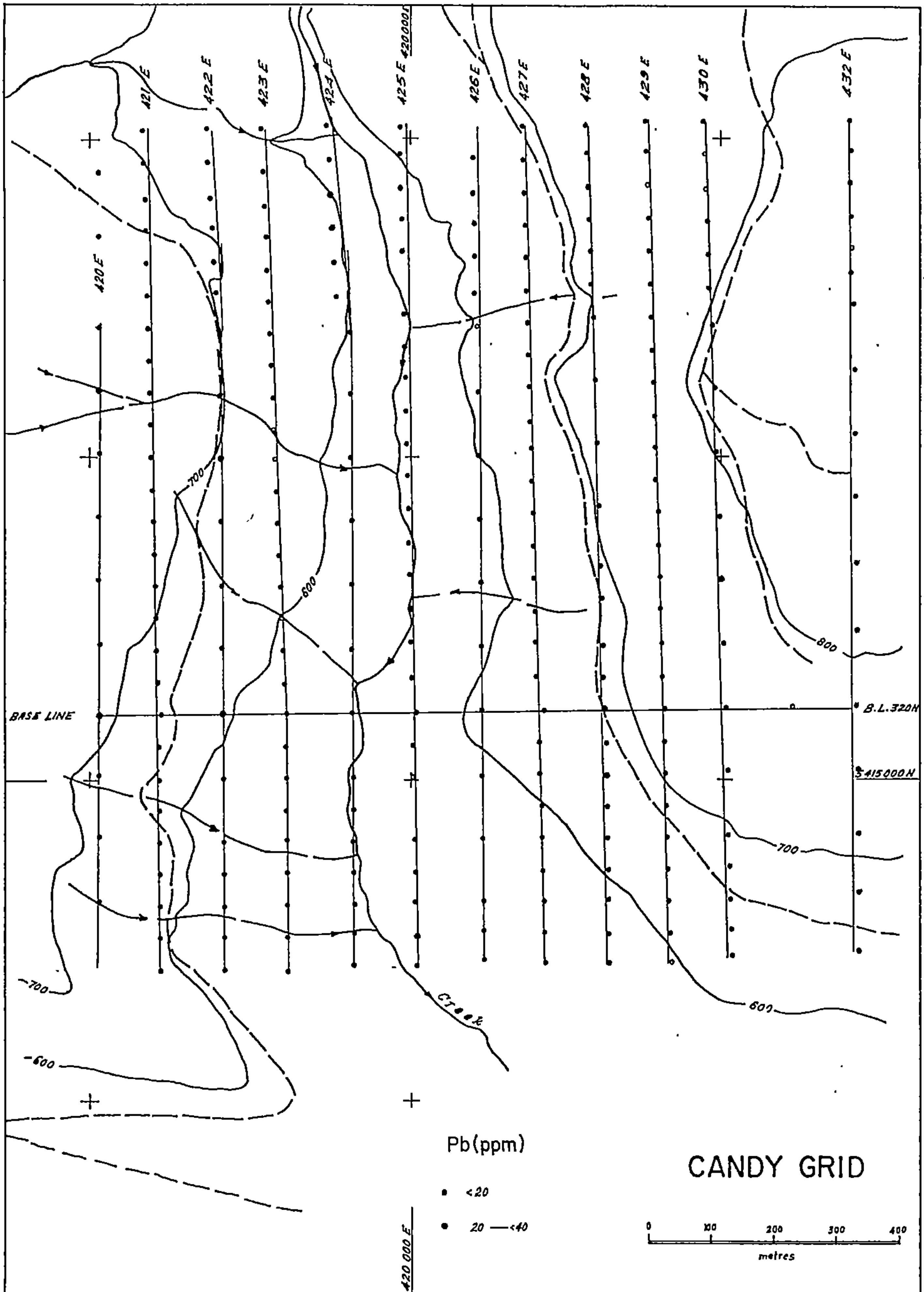
Ba (ppm)
<80
80 — < 160
160 — < 240
240 — < 360
>360
ANOMALY GRID 1
0
100
200
300
400
500
METRES
5 414 000 N
423 000 E
B.L. 240 N
Creek
320E
321E
322E
322+50E
323E
323+50E
324E
324+50E
325E
325+50E
326E
327E
328E
329E
330E
331E
332E
333E
334E
335E
335+50E
336E
337E
338E
339E
340E
700
800
900
1000

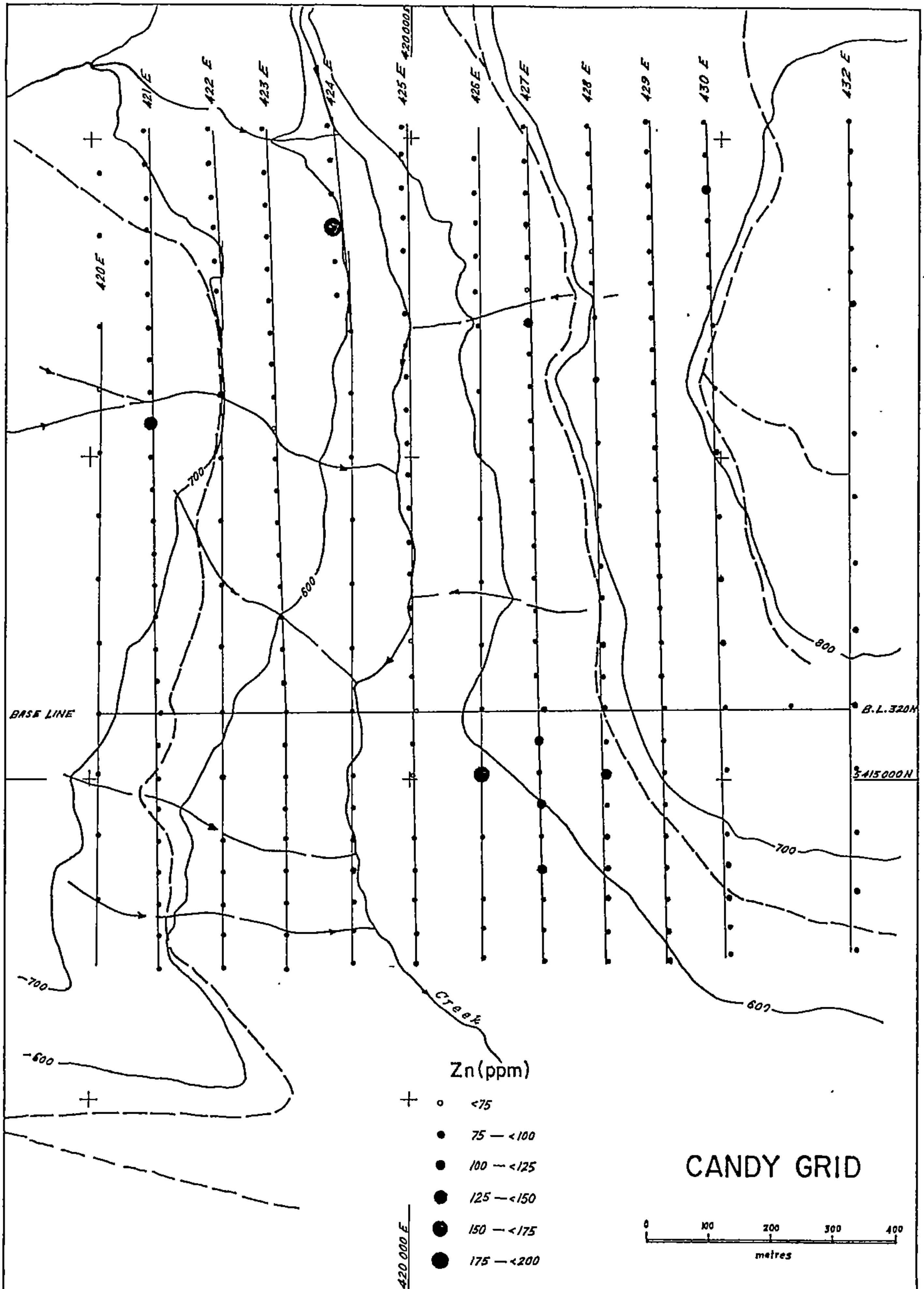

420 E
421 E
422 E
423 E
424 E
425 E
420000 E
426 E
427 E
428 E
429 E
430 E
432 E
BASE LINE
B.L. 320 N
5415000 N
700
600
800
Creek
Mo (ppm)
<3
3 — <6
CANDY GRID
0
100
200
300
400
metres
420 000 E



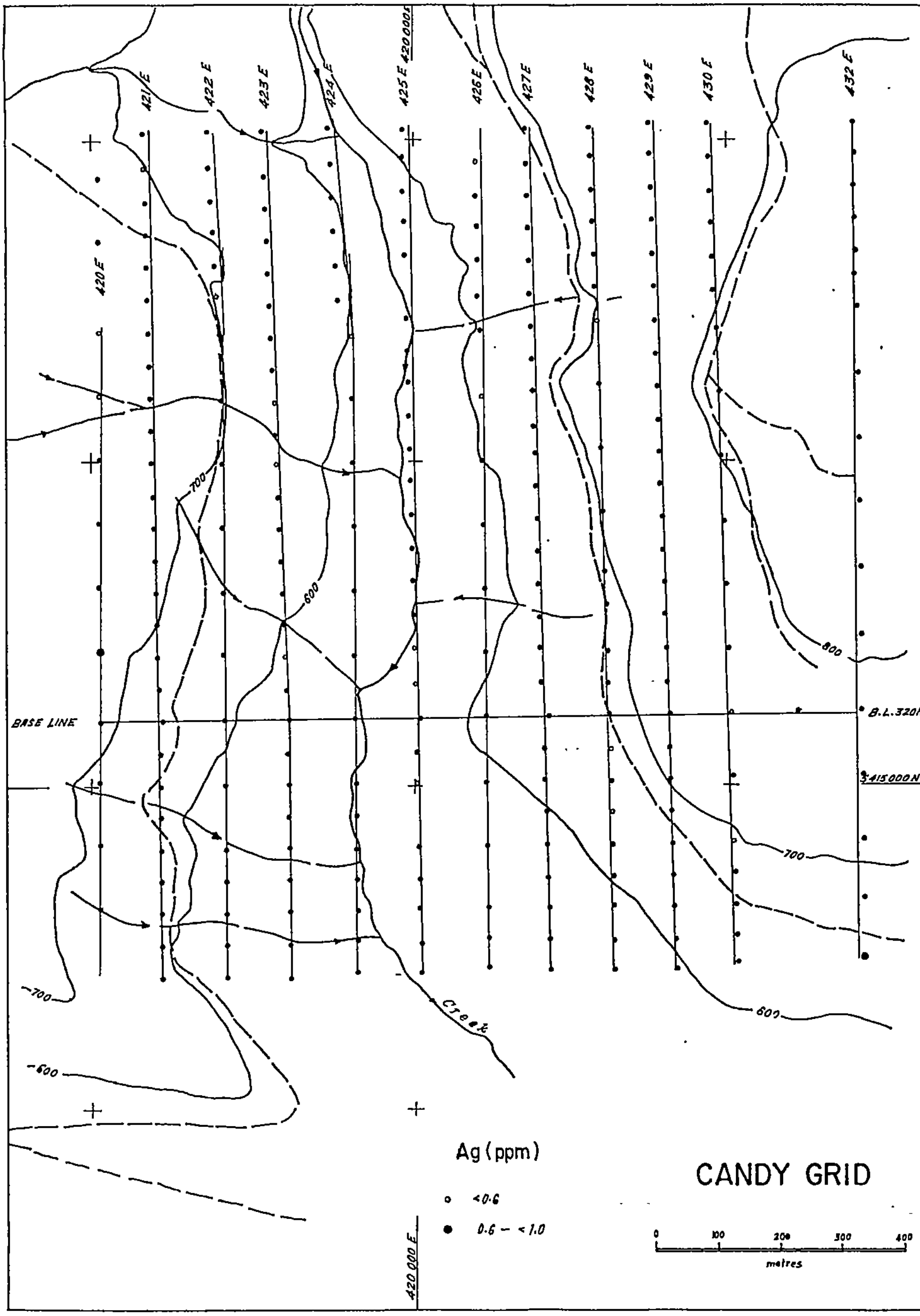
420000E
420E
421E
422E
423E
424E
425E
426E
427E
428E
429E
430E
432E
BASE LINE
B.L.320N
415000N
700
600
800
Creek
Cu (ppm)
<100
100 — 125
125 — 175
175 — 300
>300
420 000 E
0
100
200
300
400
metres

CANDY GRID

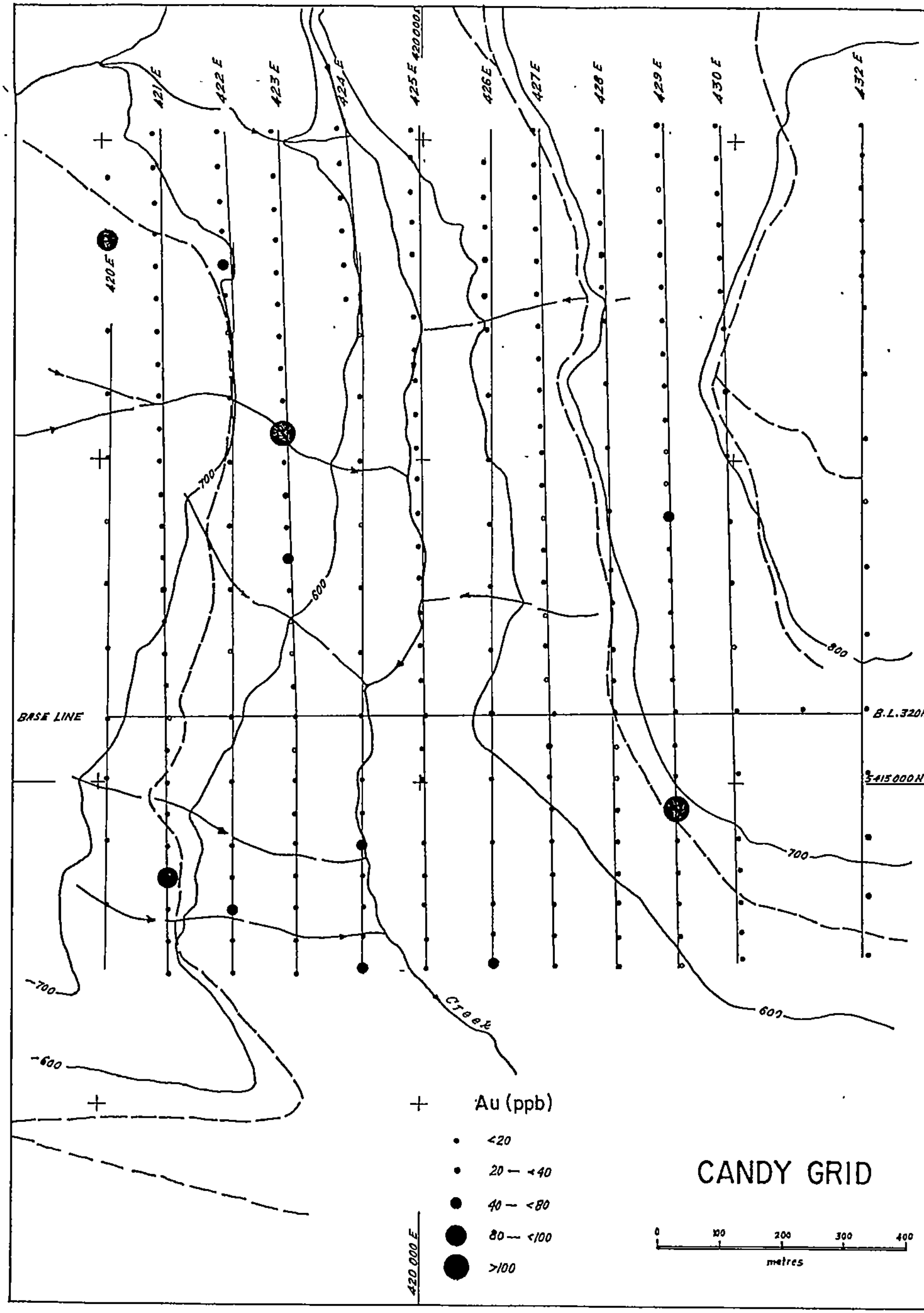

420 000 E
420E
421E
422E
423E
424E
425E
426E
427E
428E
429E
430E
432E
BASE LINE
B.L. 320N
5415000N
700
600
800
Creek
Pb (ppm)
<20
20 — <40
CANDY GRID
0
100
200
300
400
metres



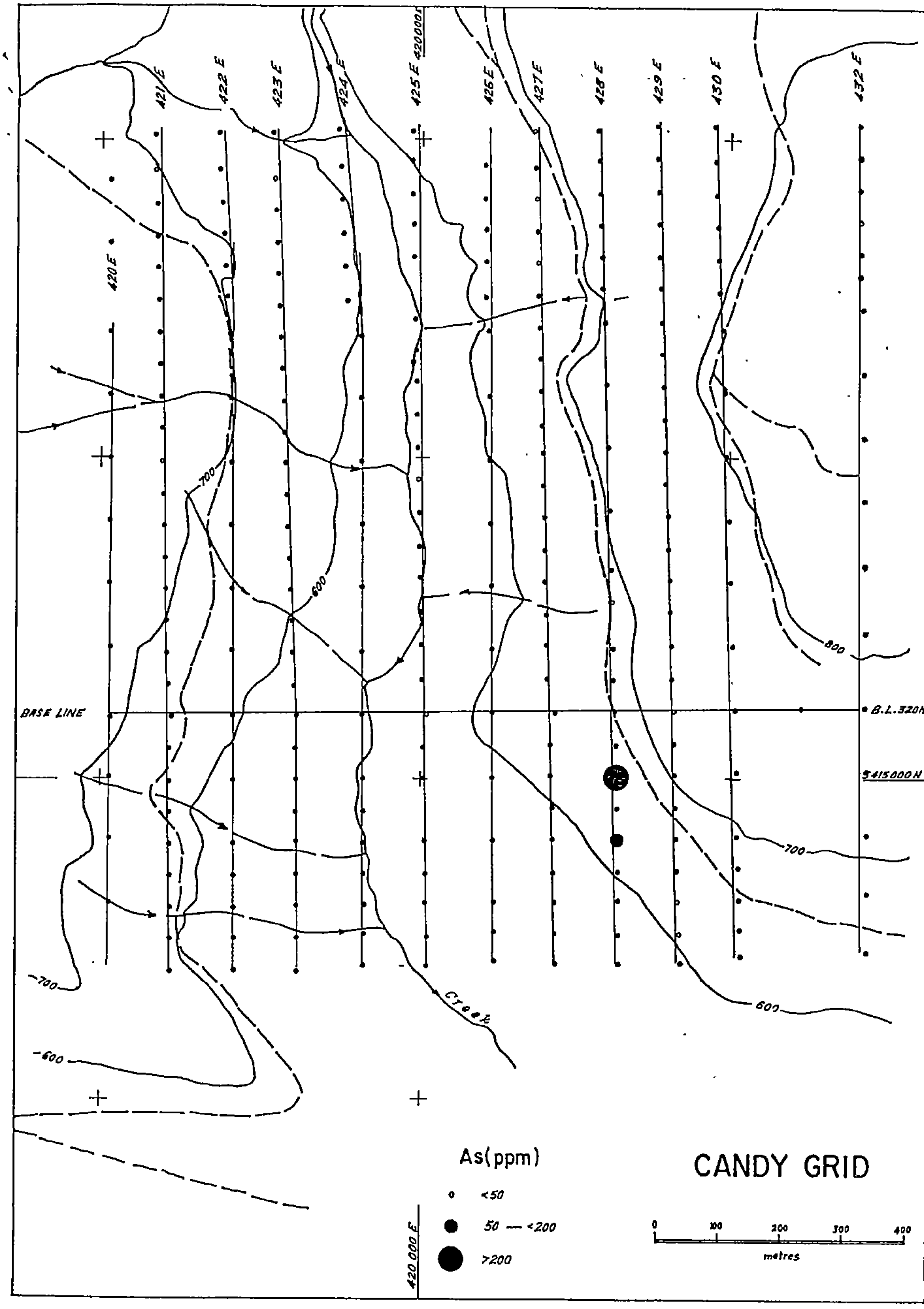
420 000 E
420 E
421 E
422 E
423 E
424 E
425 E
426 E
427 E
428 E
429 E
430 E
432 E
BASE LINE
B.L. 320N
5415000N
700
600
800
Creek
Zn (ppm)
<75
75 — <100
100 — <125
125 — <150
150 — <175
175 — <200
CANDY GRID
0
100
200
300
400
metres



420 000 E
420 E
421 E
422 E
423 E
424 E
425 E
426 E
427 E
428 E
429 E
430 E
432 E
BASE LINE
B.L. 320N
5415000N
700
600
800
Creek
Ag (ppm)
<0.6
0.6 – <1.0
0
100
200
300
400
metres
CANDY GRID

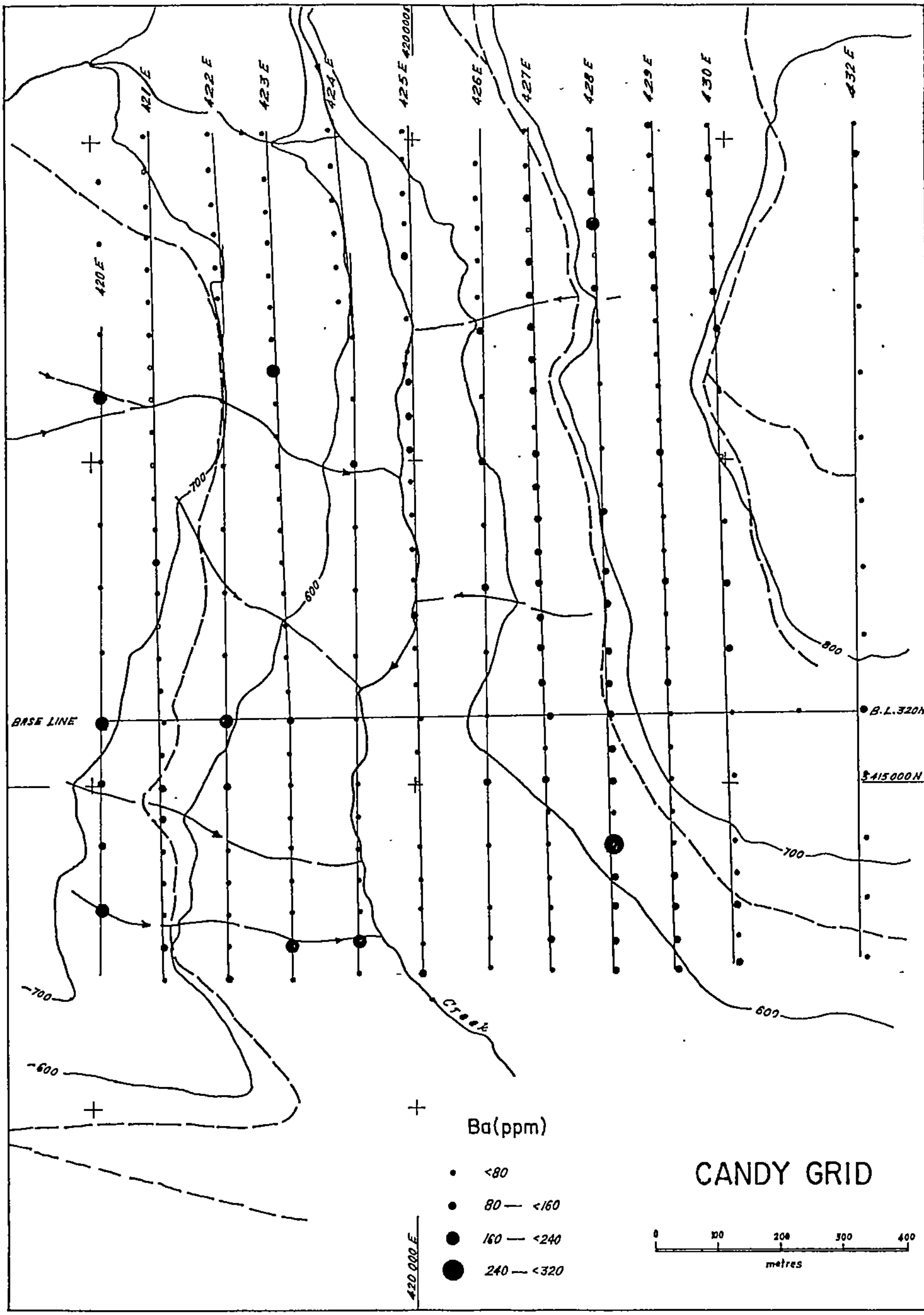


420 000 E
420 E
421 E
422 E
423 E
424 E
425 E
426 E
427 E
428 E
429 E
430 E
432 E
BASE LINE
B.L.320N
5415000N
700
600
800
Creek
Au (ppb)
<20
20 — <40
40 — <80
80 — <100
>100
420 000 E
CANDY GRID
0
100
200
300
400
metres

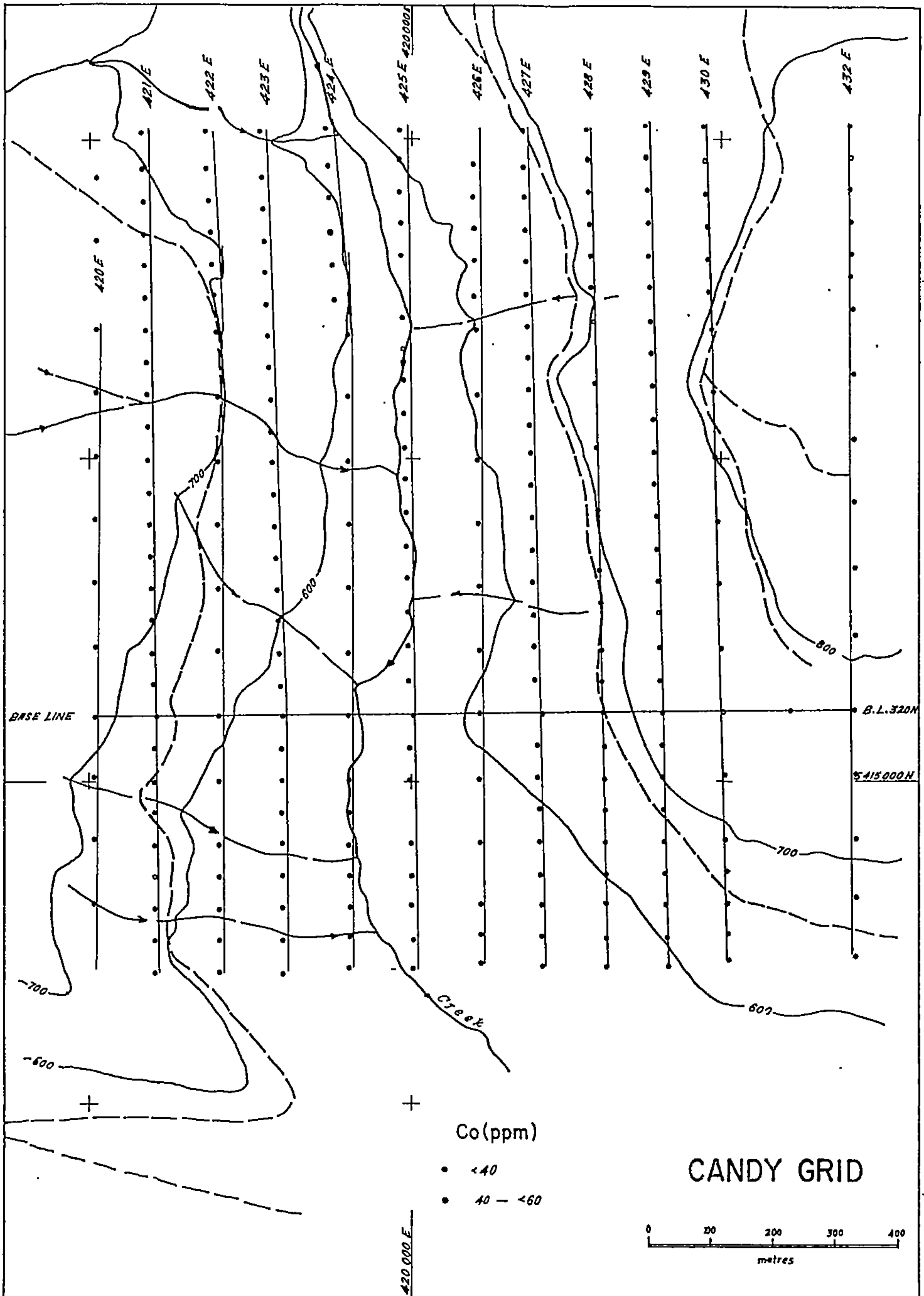


420E
421E
422E
423E
424E
425E
420000E
426E
427E
428E
429E
430E
432E
700
600
800
BASE LINE
B.L.320N
5415000N
700
600
Creek
As(ppm)
<50
50 — <200
>200
420000E
0
100
200
300
400
metres

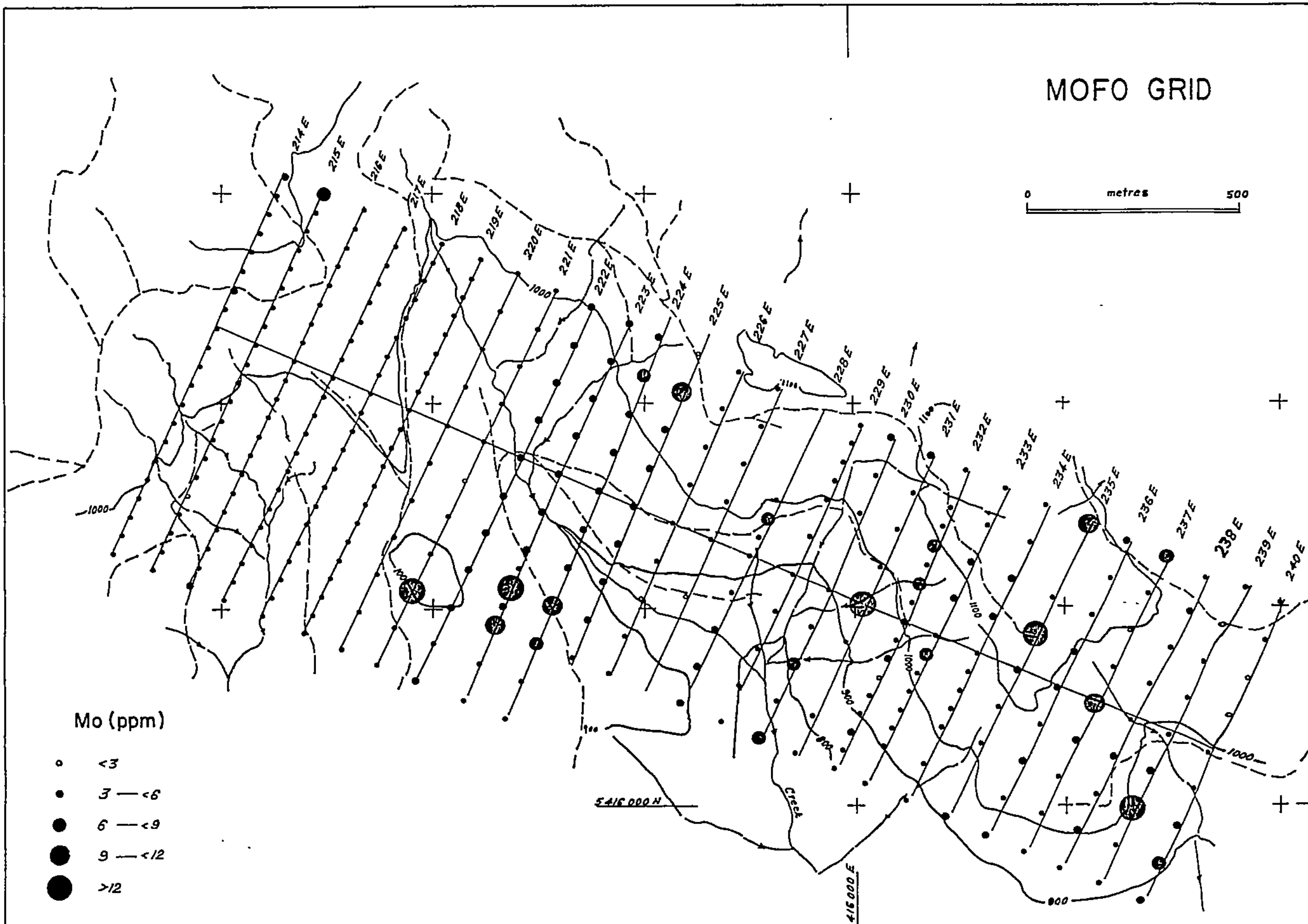
CANDY GRID


420E
421E
422E
423E
424E
425E 420000E
426E
427E
428E
429E
430E
432E
BASE LINE
B.L.320N
5415000N
700
600
800
Creek
420 000E
Ba(ppm)
<80
80 — <160
160 — <240
240 — <320
0
100
200
300
400
metres

CANDY GRID

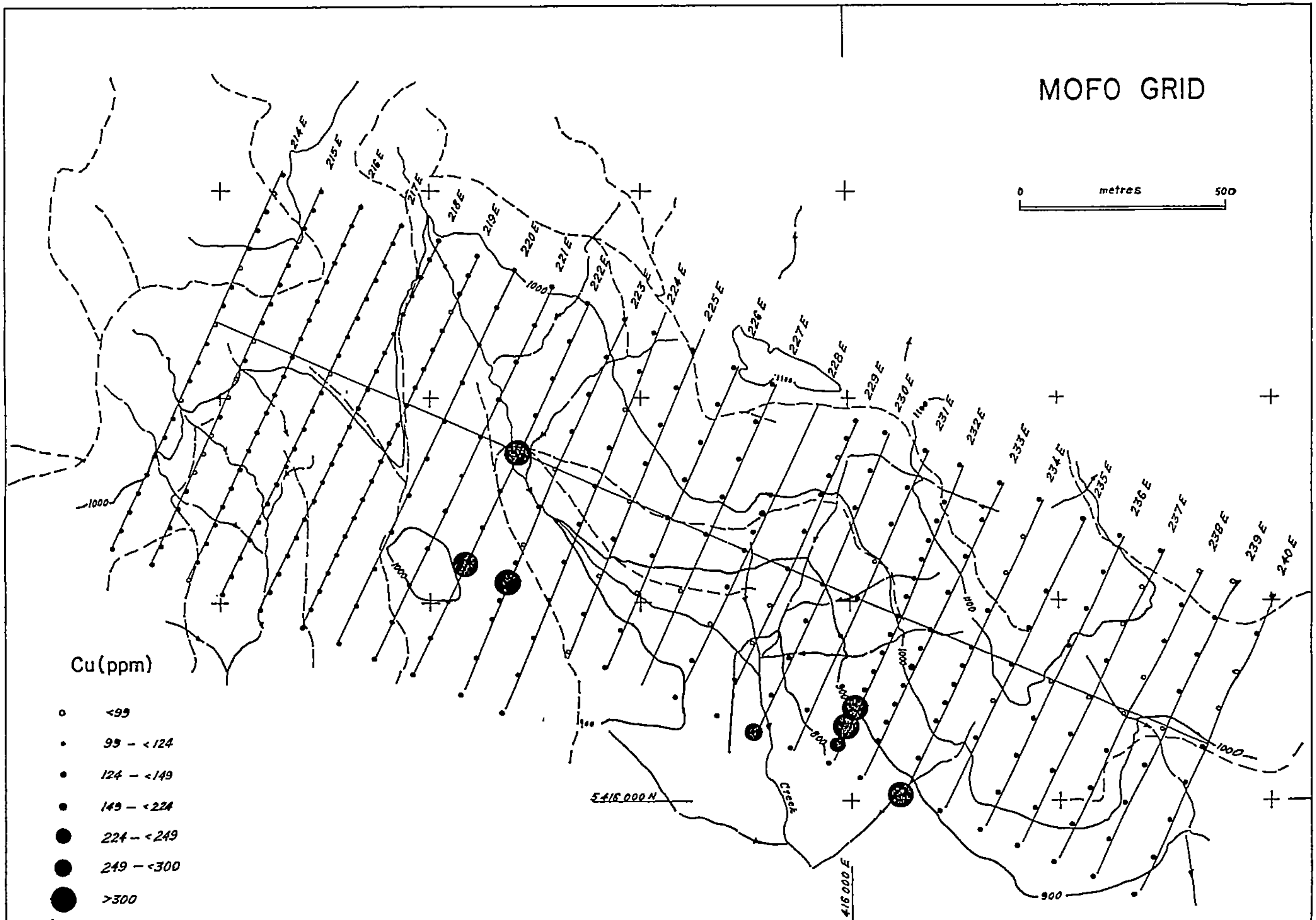


420 E
421 E
422 E
423 E
424 E
425 E
420000E
426 E
427 E
428 E
429 E
430 E
432 E
BASE LINE
B.L. 320N
5415000N
700
600
800
Creek
Co (ppm)
<40
40 — <60
CANDY GRID
0
100
200
300
400
metres
420 000 E

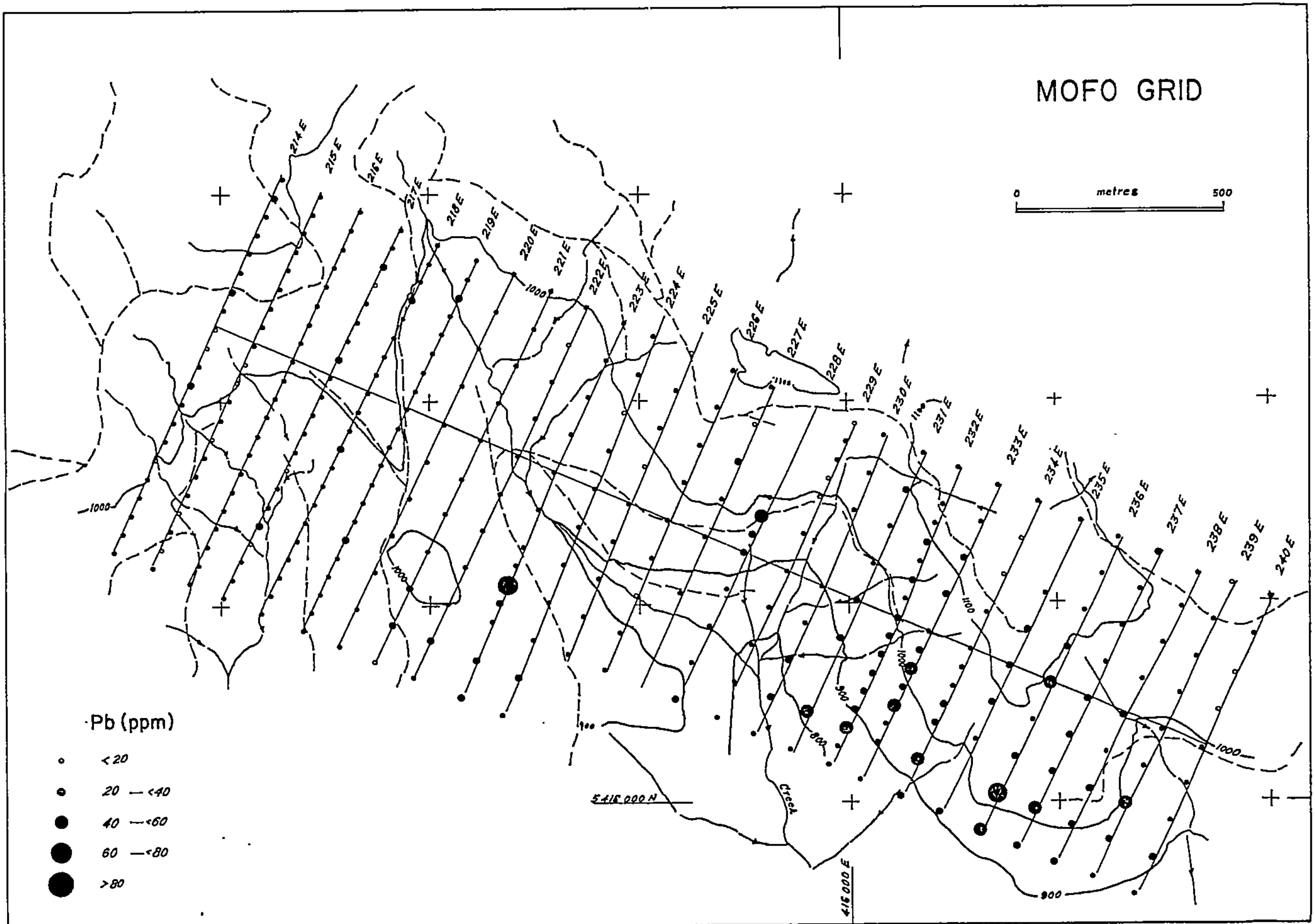


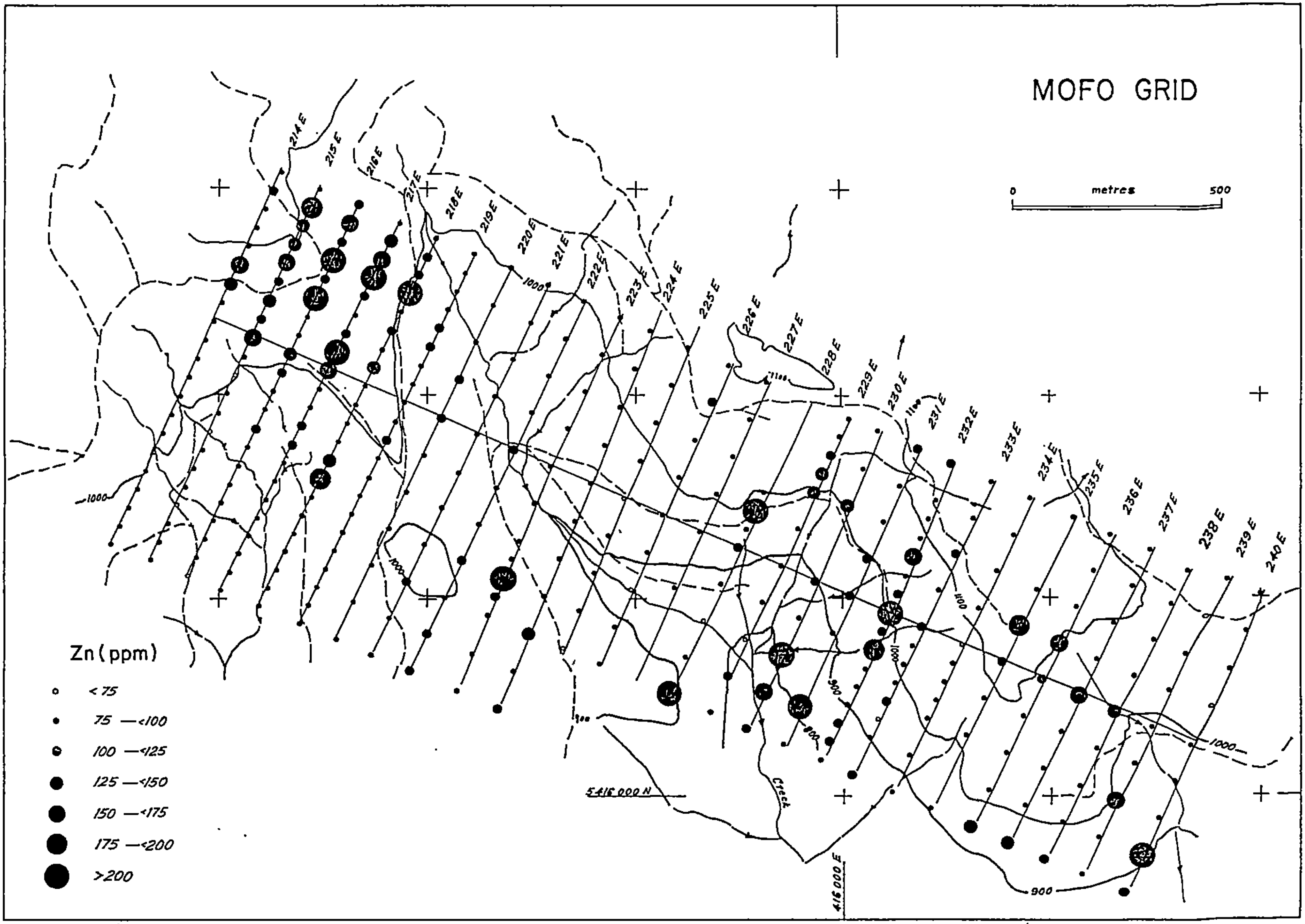
MOFO GRID
0
metres
500
214 E
215 E
216 E
217 E
218 E
219 E
220 E
221 E
222 E
223 E
224 E
225 E
226 E
227 E
228 E
229 E
230 E
231 E
232 E
233 E
234 E
235 E
236 E
237 E
238 E
239 E
240 E
1000
1100
900
800
Creek
5416 000 N
416 000 E
Mo (ppm)
<3
3 — <6
6 — <9
9 — <12
>12

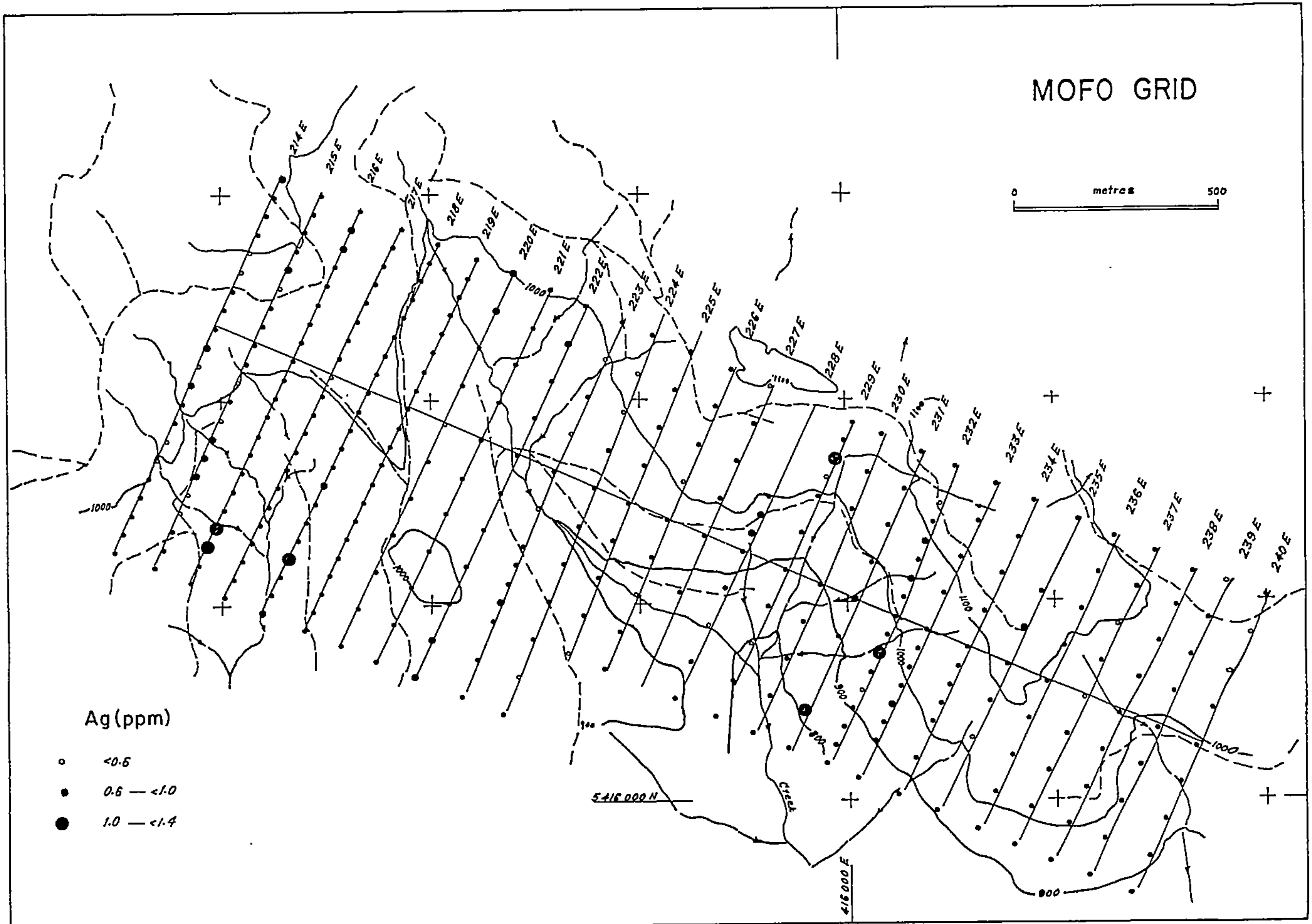
MOFO GRID



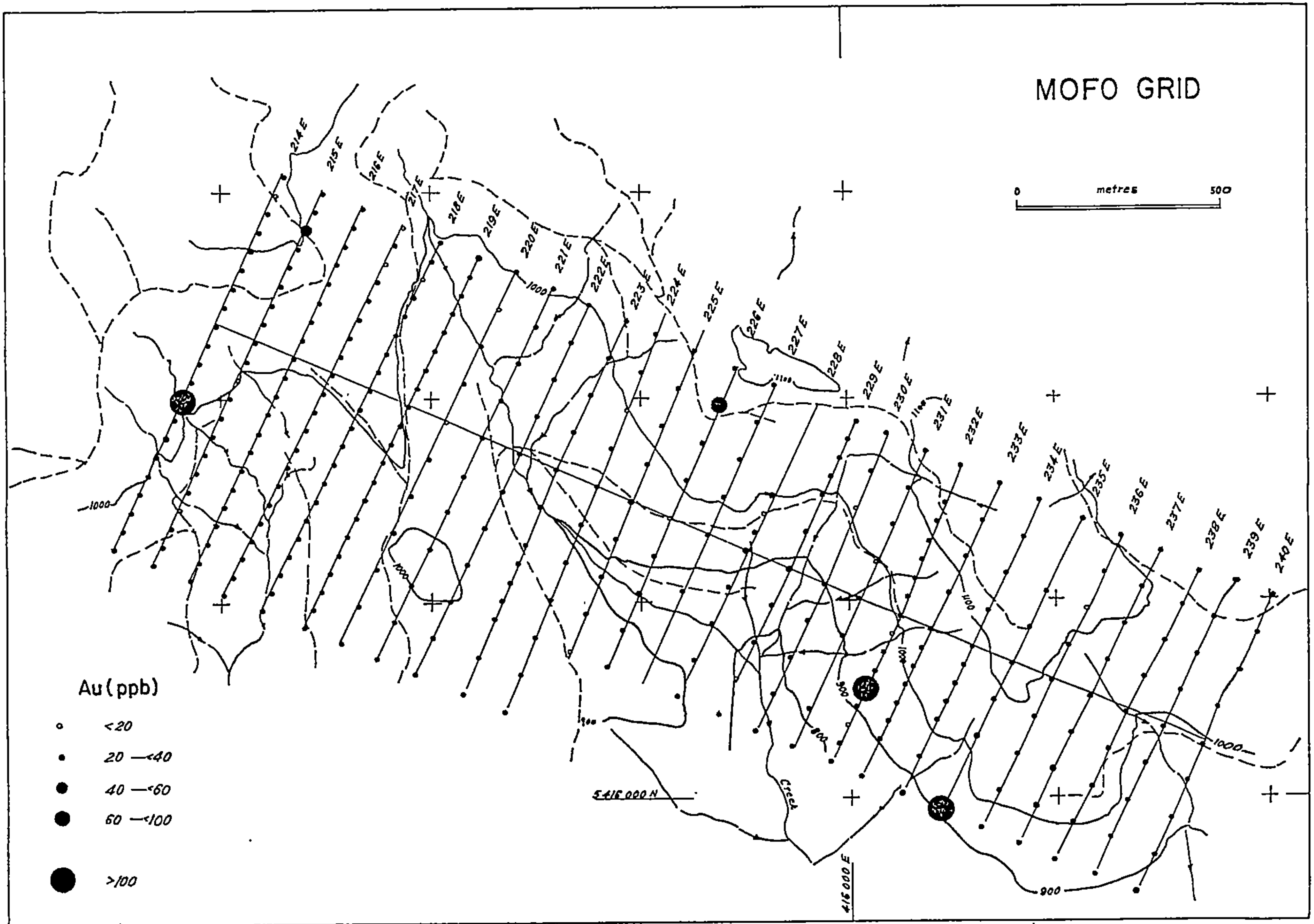
0 metres 500
214E
215E
216E
217E
218E
219E
220E
221E
222E
223E
224E
225E
226E
227E
228E
229E
230E
231E
232E
233E
234E
235E
236E
237E
238E
239E
240E
1000
900
800
Creek
5416000N
416000E
Cu(ppm)
<99
99 – <124
124 – <149
149 – <224
224 – <249
249 – <300
>300

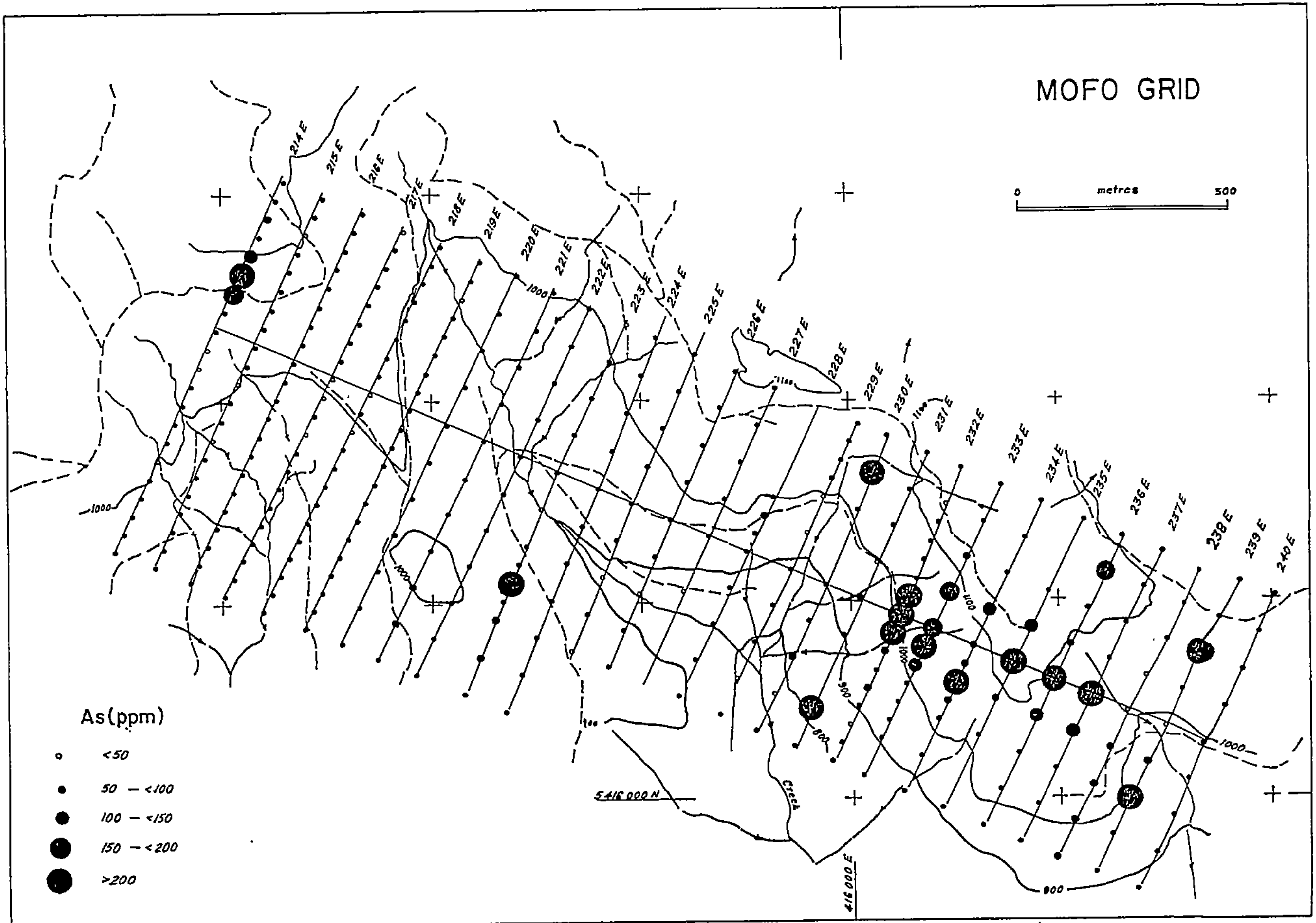

MOFO GRID
0 metres 500
Pb (ppm)
< 20
20 — <40
40 — <60
60 — <80
>80
214 E
215 E
216 E
217 E
218 E
219 E
220 E
221 E
222 E
223 E
224 E
225 E
226 E
227 E
228 E
229 E
230 E
231 E
232 E
233 E
234 E
235 E
236 E
237 E
238 E
239 E
240 E
1000
900
800
1100
5416 000 N
416 000 E
Creek

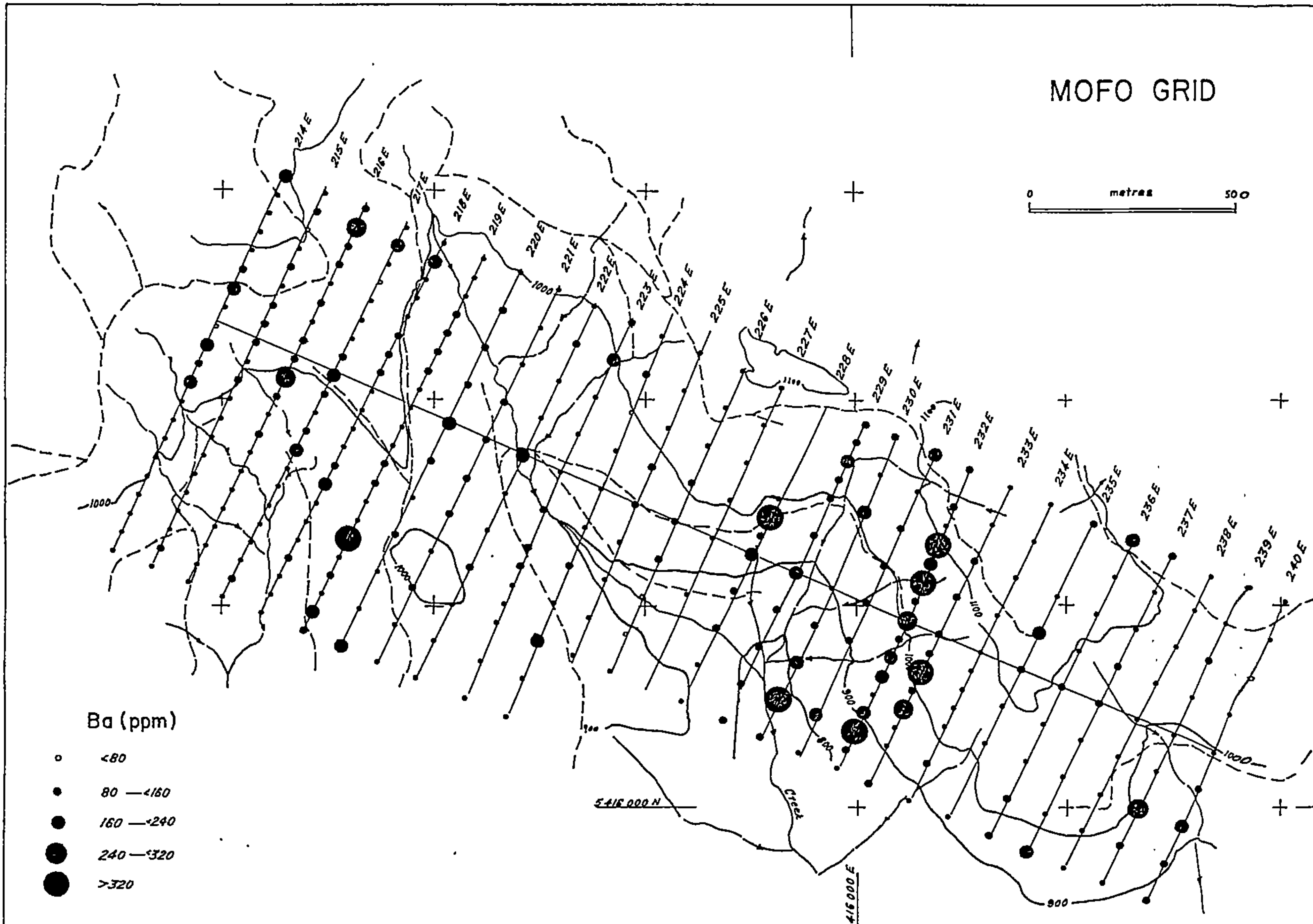

MOFO GRID
0 metres 500
214E
215E
216E
217E
218E
219E
220E
221E
222E
223E
224E
225E
226E
227E
228E
229E
230E
231E
232E
233E
234E
235E
236E
237E
238E
239E
240E
1000
900
1100
5416000N
416000E
Creek
Zn (ppm)
<75
75 —<100
100 —<125
125 —<150
150 —<175
175 —<200
>200

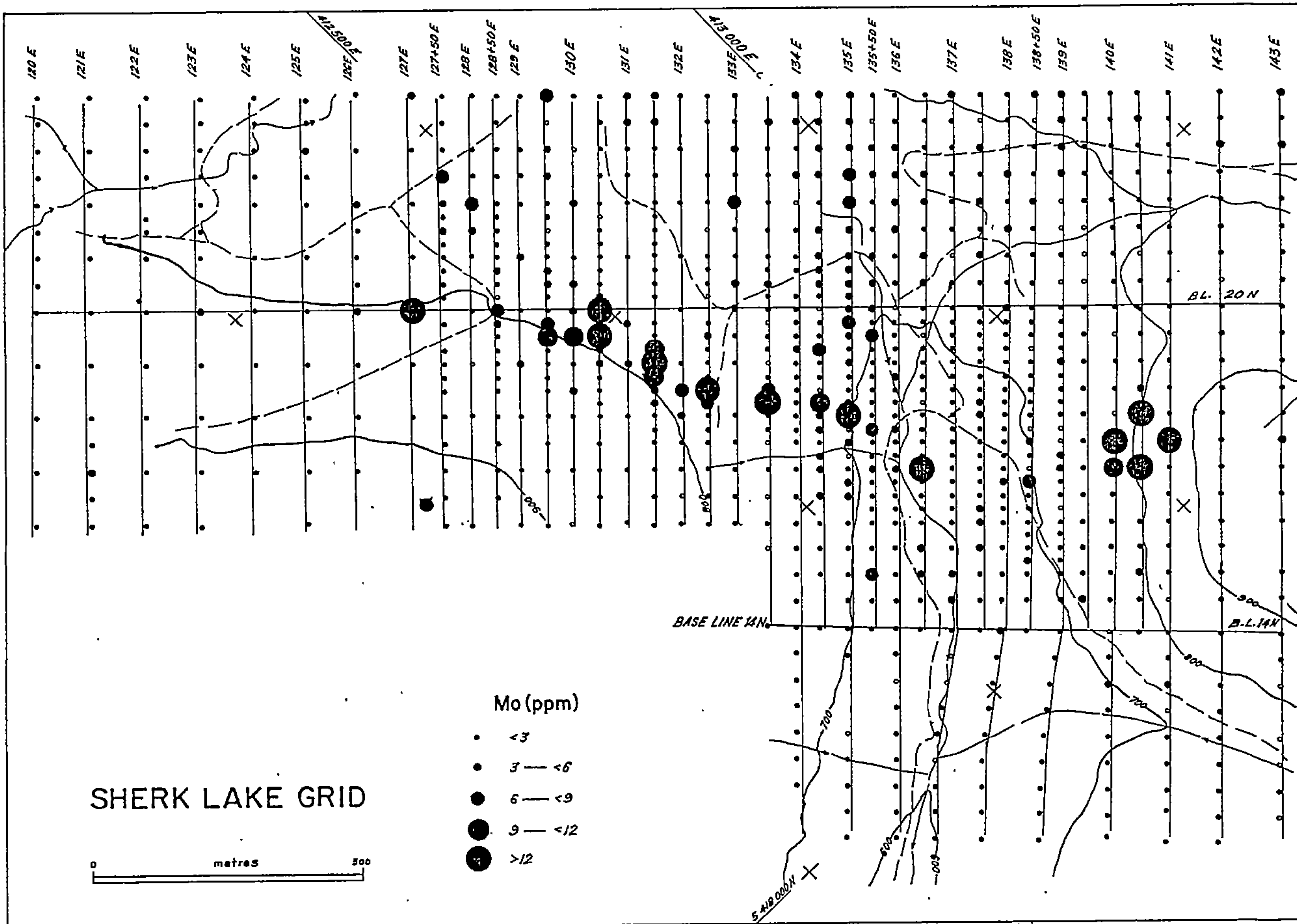


MOFO GRID
0 metres 500
214E
215E
216E
217E
218E
219E
220E
221E
222E
223E
224E
225E
226E
227E
228E
229E
230E
231E
232E
233E
234E
235E
236E
237E
238E
239E
240E
1000
1100
900
Creek
5416000N
416000E
Ag (ppm)
<0.6
0.6 — <1.0
1.0 — <1.4

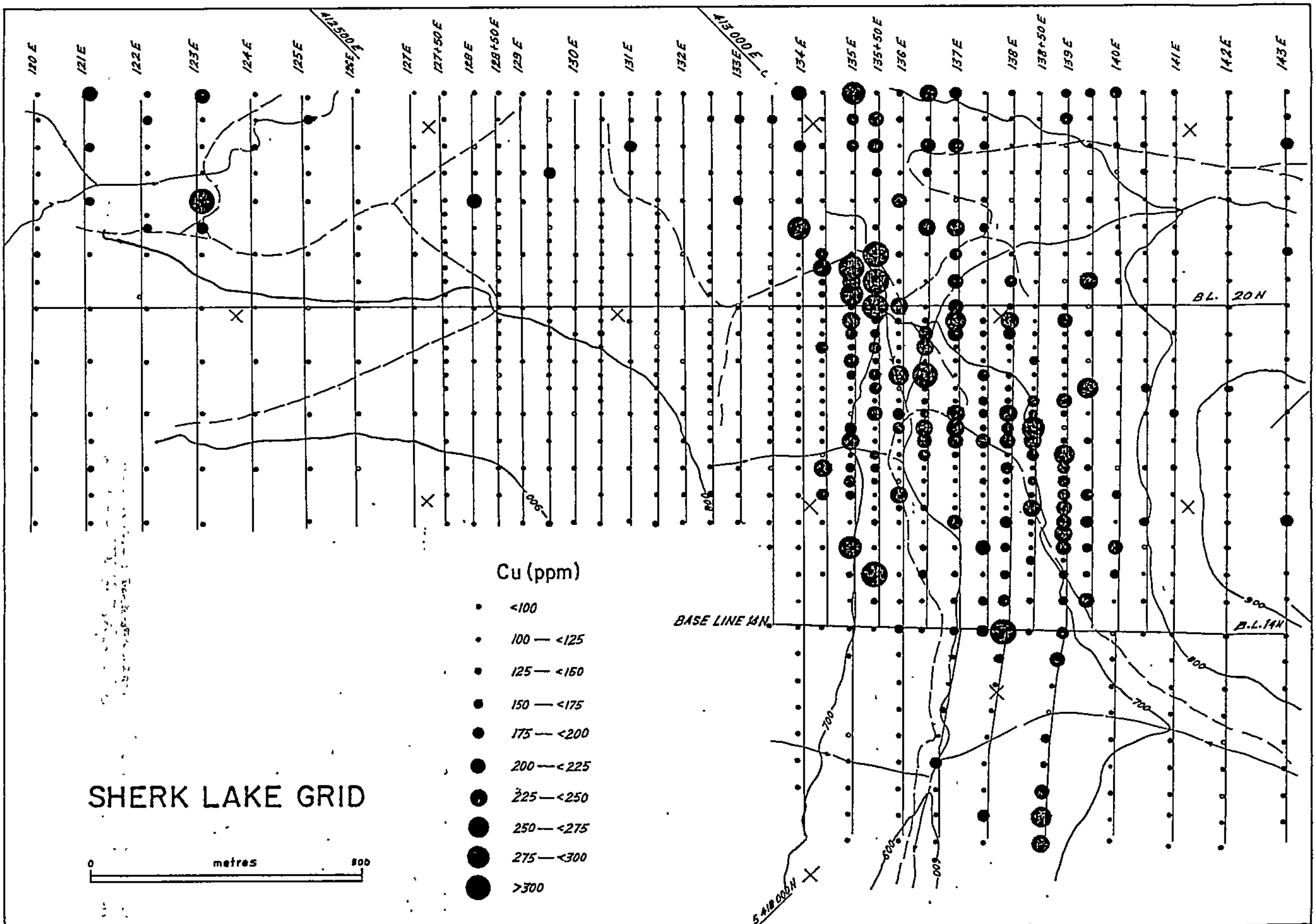

MOFO GRID
0 metres 500
214 E
215 E
216 E
217 E
218 E
219 E
220 E
221 E
222 E
223 E
224 E
225 E
226 E
227 E
228 E
229 E
230 E
231 E
232 E
233 E
234 E
235 E
236 E
237 E
238 E
239 E
240 E
1000
1100
900
800
Creek
5416 000 N
416 000 E
Au (ppb)
<20
20 —<40
40 —<60
60 —<100
>100

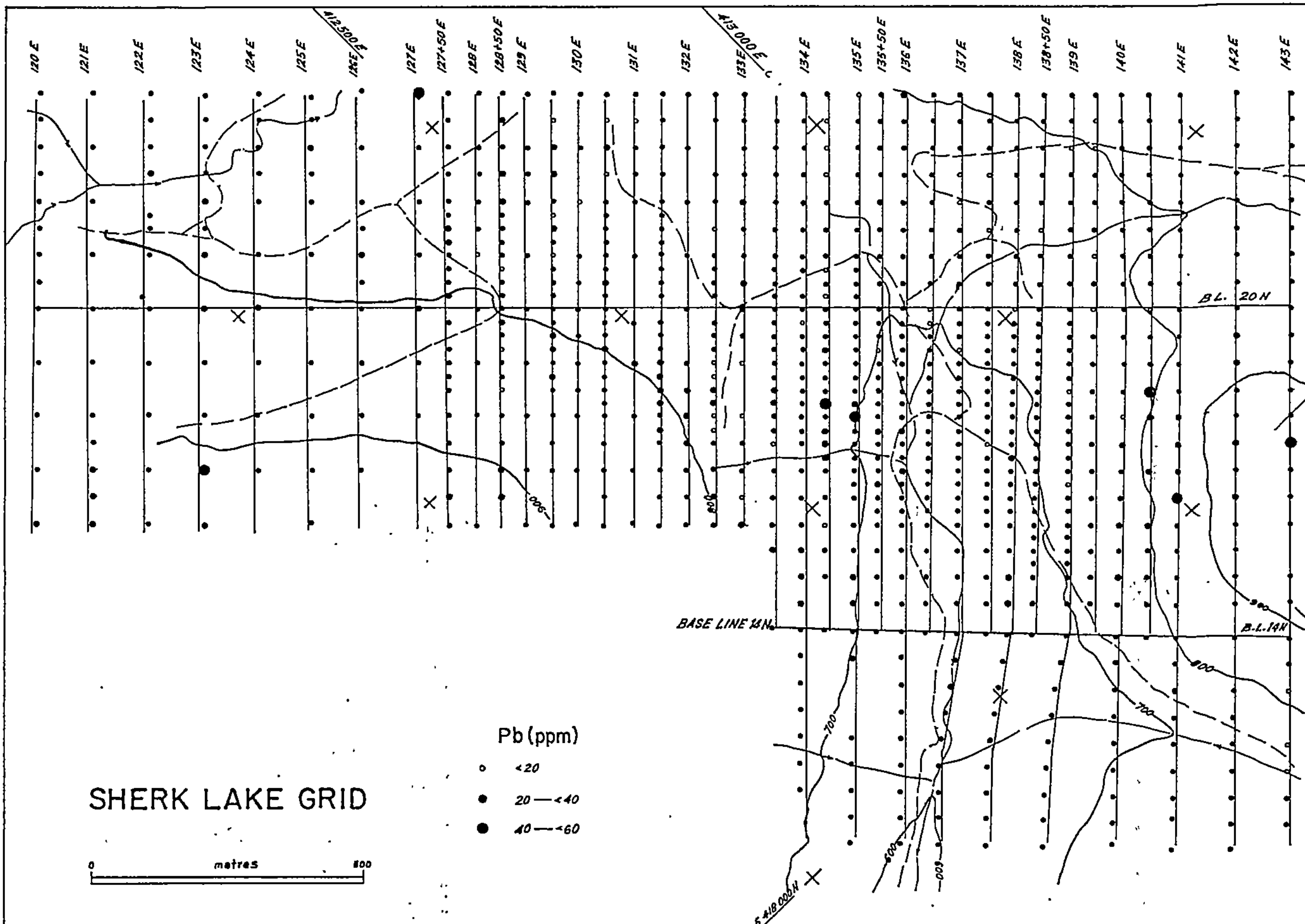

MOFO GRID
0 metres 500
214E
215E
216E
217E
218E
219E
220E
221E
222E
223E
224E
225E
226E
227E
228E
229E
230E
231E
232E
233E
234E
235E
236E
237E
238E
239E
240E
1000
1100
900
800
Creek
5416000N
416000E
As(ppm)
<50
50 — <100
100 — <150
150 — <200
>200

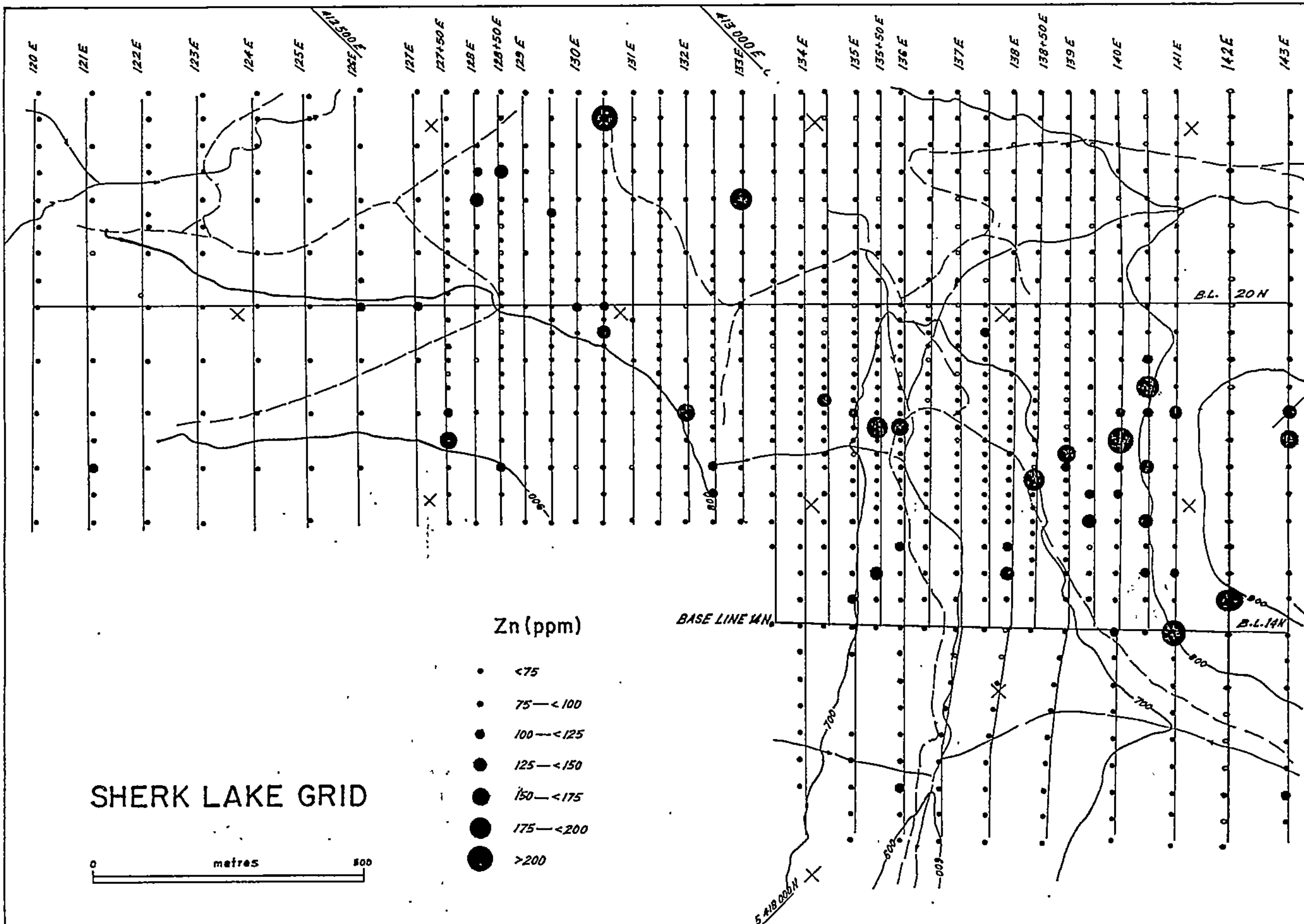

MOFO GRID
0 metres 500
Ba (ppm)
<80
80 —<160
160 —<240
240 —<320
>320
5416 000 N
416 000 E
Creek
1000
900
1100



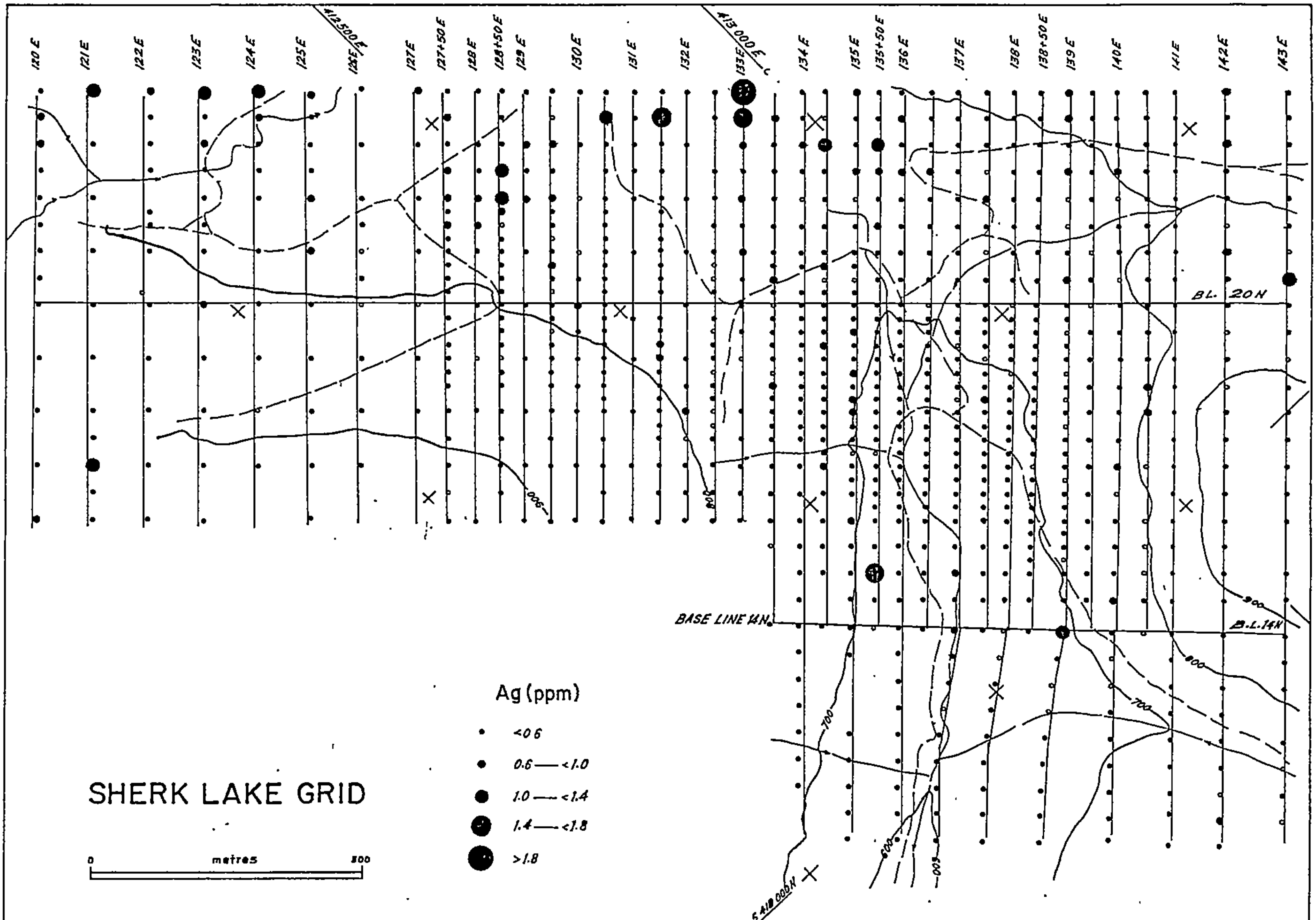
120E
121E
122E
123E
124E
125E
126E
127E
127+50E
128E
128+50E
129E
130E
131E
132E
133E
134E
135E
135+50E
136E
137E
138E
138+50E
139E
140E
141E
142E
143E
412 500E
413 000E
BL. 20N
BASE LINE 14N
B.L.14N
5 418 000N
Mo (ppm)
<3
3 — <6
6 — <9
9 — <12
>12
SHERK LAKE GRID
0
metres
500


120E
121E
122E
123E
124E
125E
126E
127E
127+50E
128E
128+50E
129E
130E
131E
132E
133E
134E
135E
135+50E
136E
137E
138E
138+50E
139E
140E
141E
142E
143E
412 500 E
413 000 E
BL. 20N
BASE LINE 14N
B.L.14N
5 418 000N
900
800
700
600
Cu (ppm)
<100
100 — <125
125 — <150
150 — <175
175 — <200
200 — <225
225 — <250
250 — <275
275 — <300
>300
SHERK LAKE GRID
0
metres
300

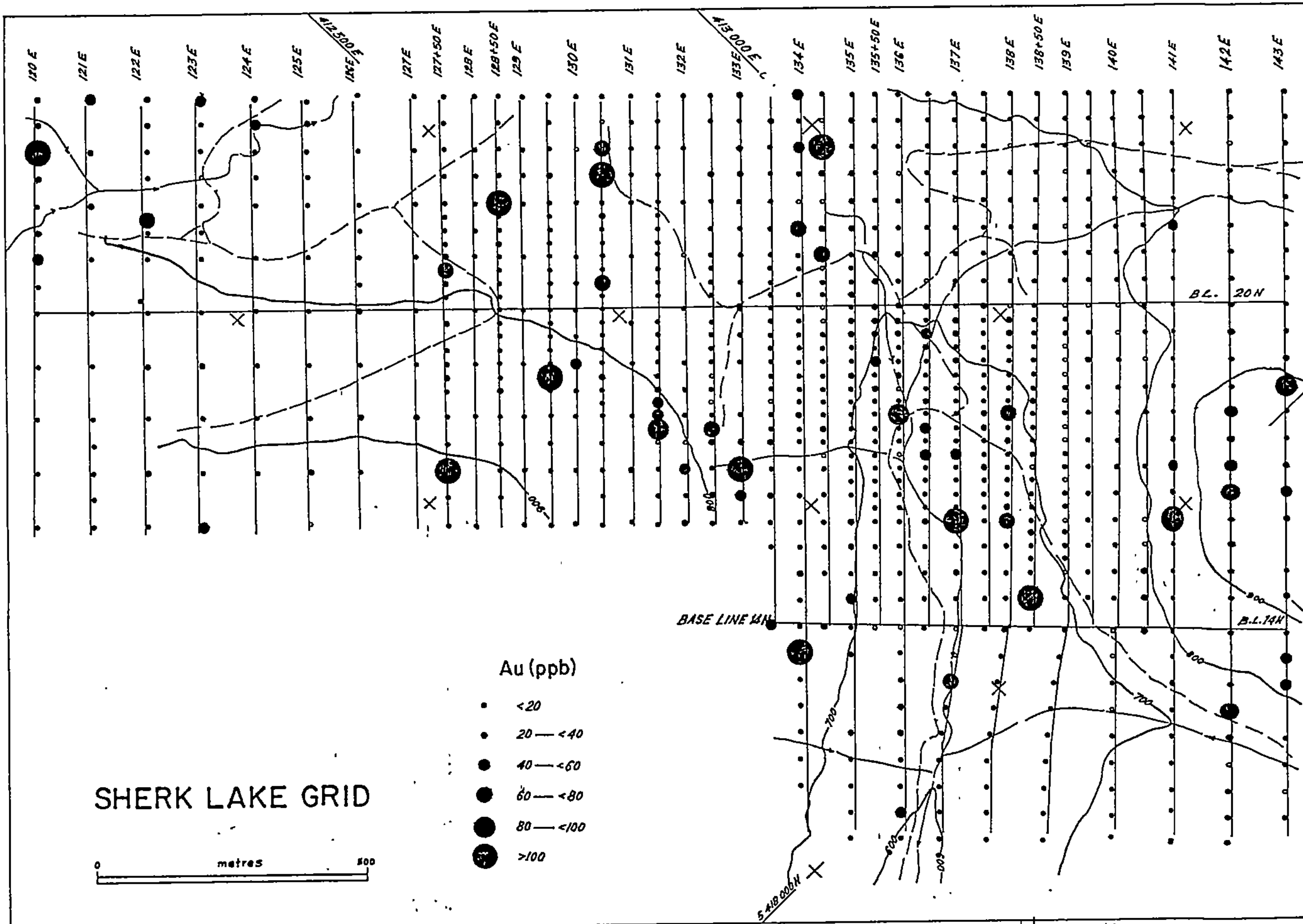

120 E
121 E
122 E
123 E
124 E
125 E
126 E
127 E
127+50 E
128 E
128+50 E
129 E
130 E
131 E
132 E
133 E
134 E
135 E
135+50 E
136 E
137 E
138 E
138+50 E
139 E
140 E
141 E
142 E
143 E
412 500 E
413 000 E
B.L. 20 N
BASE LINE 14 N
B.L. 14 N
900
800
700
600
5 418 000 N
SHERK LAKE GRID
Pb (ppm)
<20
20 — <40
40 — <60
0
metres
800



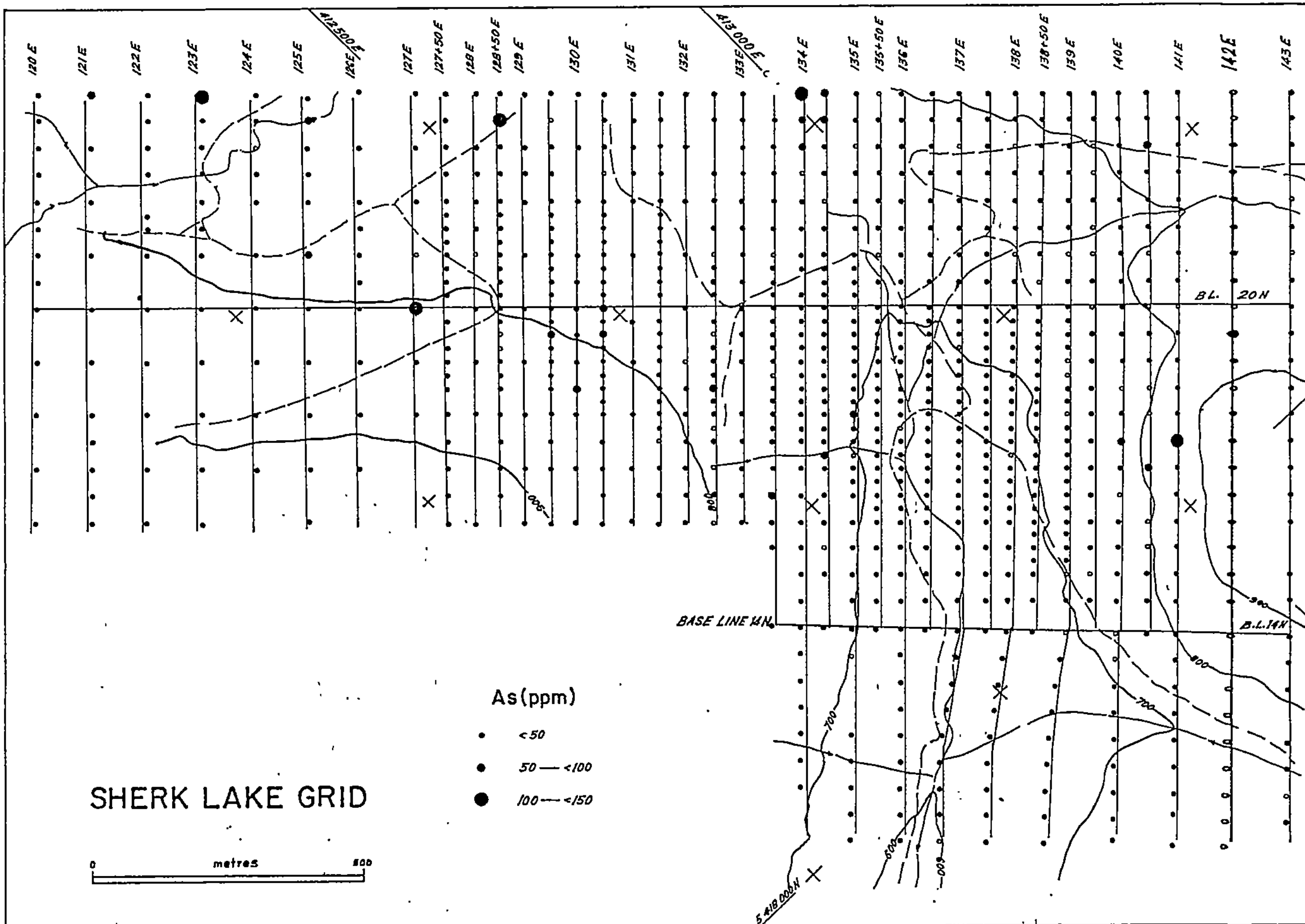
120E
121E
122E
123E
124E
125E
126E
127E
127+50E
128E
128+50E
129E
130E
131E
132E
133E
134E
135E
135+50E
136E
137E
138E
138+50E
139E
140E
141E
142E
143E
412 500E
413 000E
B.L. 20N
BASE LINE 14N
B.L.14N
5 418 000N
900
800
700
600
Zn (ppm)
<75
75—<100
100—<125
125—<150
150—<175
175—<200
>200
SHERK LAKE GRID
0
metres
500



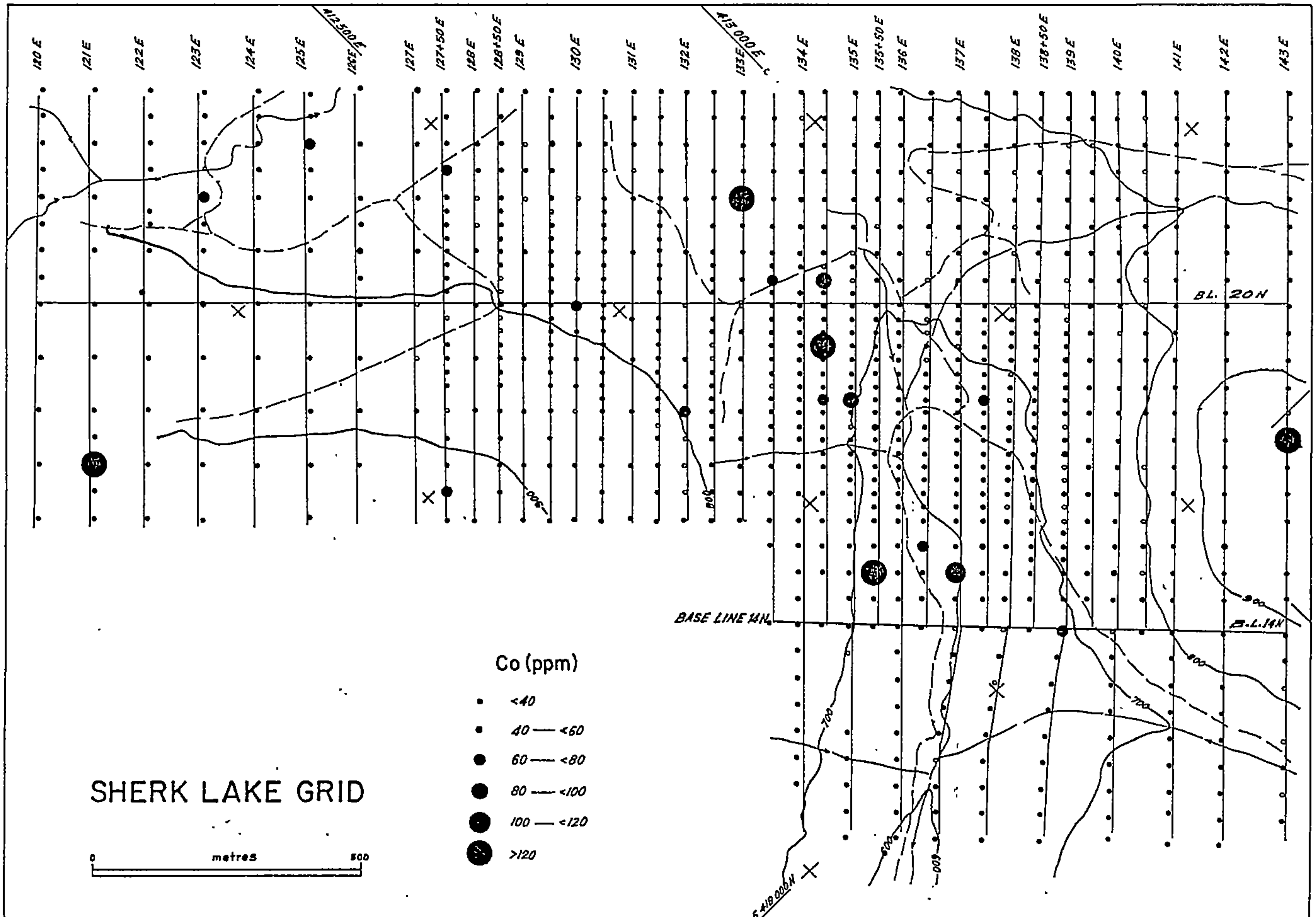
120E
121E
122E
123E
124E
125E
126E
127E
127+50E
128E
128+50E
129E
130E
131E
132E
133E
134E
135E
135+50E
136E
137E
138E
138+50E
139E
140E
141E
142E
143E
412500E
413000E
BL. 20N
BASE LINE 14N
B.L.14N
5418000N
900
800
700
600
500
Ag (ppm)
<0.6
0.6 — <1.0
1.0 — <1.4
1.4 — <1.8
>1.8
SHERK LAKE GRID
0
metres
300

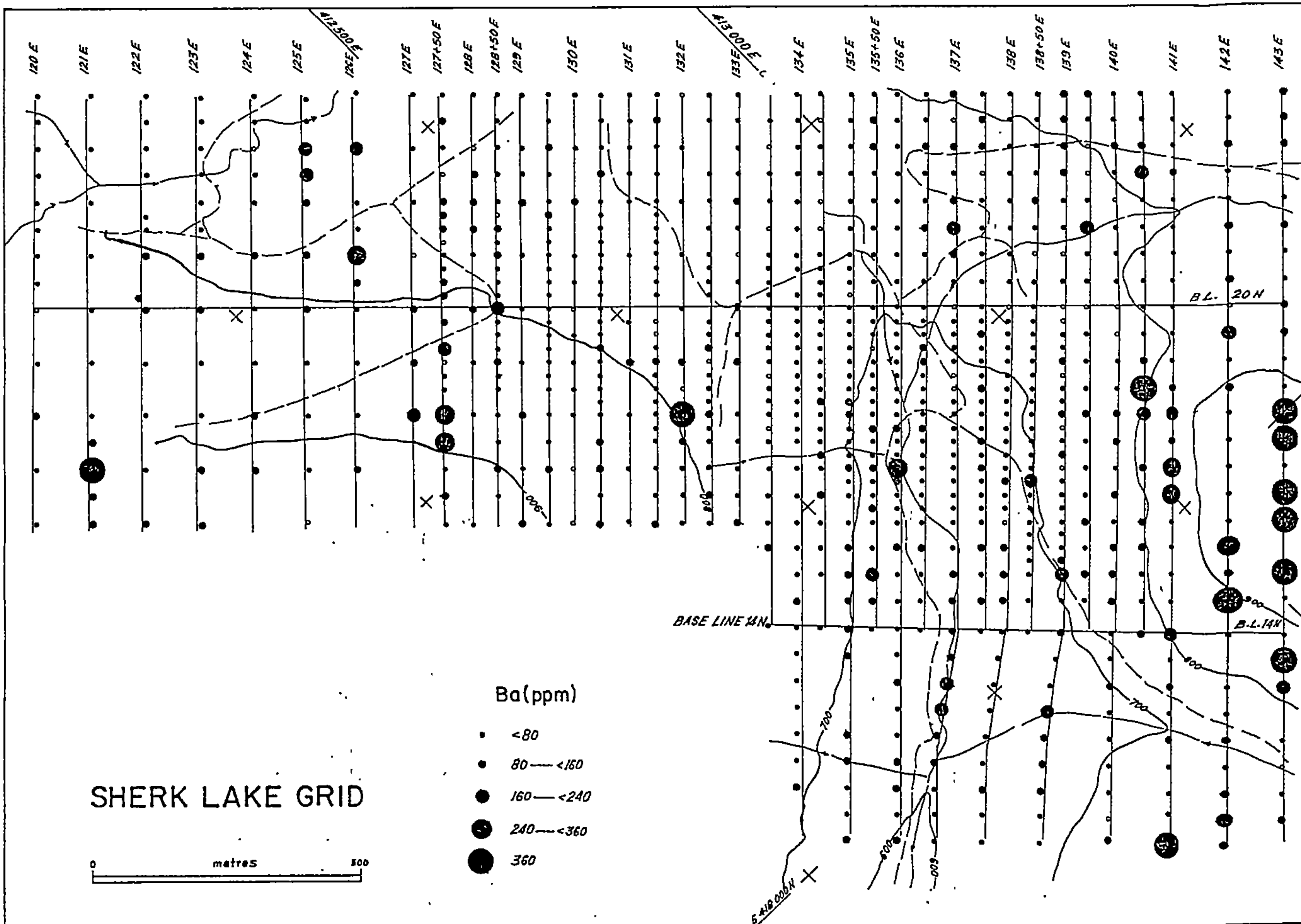


120 E
121 E
122 E
123 E
124 E
125 E
412 500 E
126 E
127 E
127+50 E
128 E
128+50 E
129 E
130 E
131 E
132 E
413 000 E
133 E
134 E
135 E
135+50 E
136 E
137 E
138 E
138+50 E
139 E
140 E
141 E
142 E
143 E
B.L. 20 N
BASE LINE 14N
B.L. 14N
5 418 000 N
800
700
600
Au (ppb)
<20
20 — <40
40 — <60
60 — <80
80 — <100
>100
SHERK LAKE GRID
0
metres
500



120 E
121 E
122 E
123 E
124 E
125 E
126 E
127 E
127+50 E
128 E
128+50 E
129 E
130 E
131 E
132 E
133 E
134 E
135 E
135+50 E
136 E
137 E
138 E
138+50 E
139 E
140 E
141 E
142 E
143 E
412 500 E
413 000 E
B.L. 20 N
BASE LINE 14 N
B.L. 14 N
5 418 000 N
As (ppm)
< 50
50 — < 100
100 — < 150
SHERK LAKE GRID
0
metres
500


120E
121E
122E
123E
124E
125E
412 500E
126E
127E
127+50E
128E
128+50E
129E
130E
131E
132E
413 000E
133E
134E
135E
135+50E
136E
137E
138E
138+50E
139E
140E
141E
142E
143E
BL. 20N
BASE LINE 14N
B.L.14N
5 418 000N
Co (ppm)
<40
40 — <60
60 — <80
80 — <100
100 — <120
>120
SHERK LAKE GRID
0
metres
500



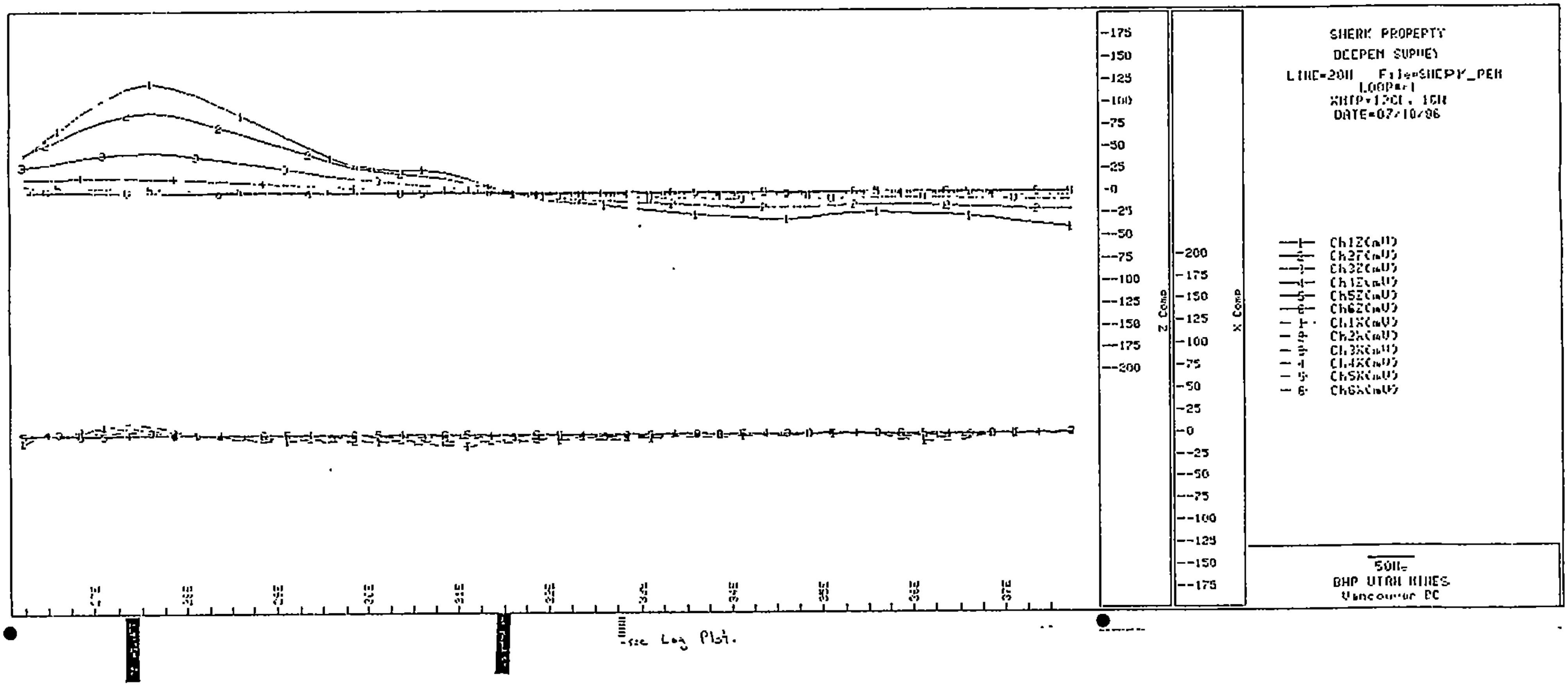
SHERK LAKE GRID
Ba(ppm)
<80
80 — <160
160 — <240
240 — <360
360
0
metres
500
120E
121E
122E
123E
124E
125E
126E
127E
127+50E
128E
128+50E
129E
130E
131E
132E
133E
134E
135E
135+50E
136E
137E
138E
138+50E
139E
140E
141E
142E
143E
412500E
413000E
B.L. 20N
BASE LINE 14N
B.L.14N
5418000N
900
800
700
600

APPENDIX C

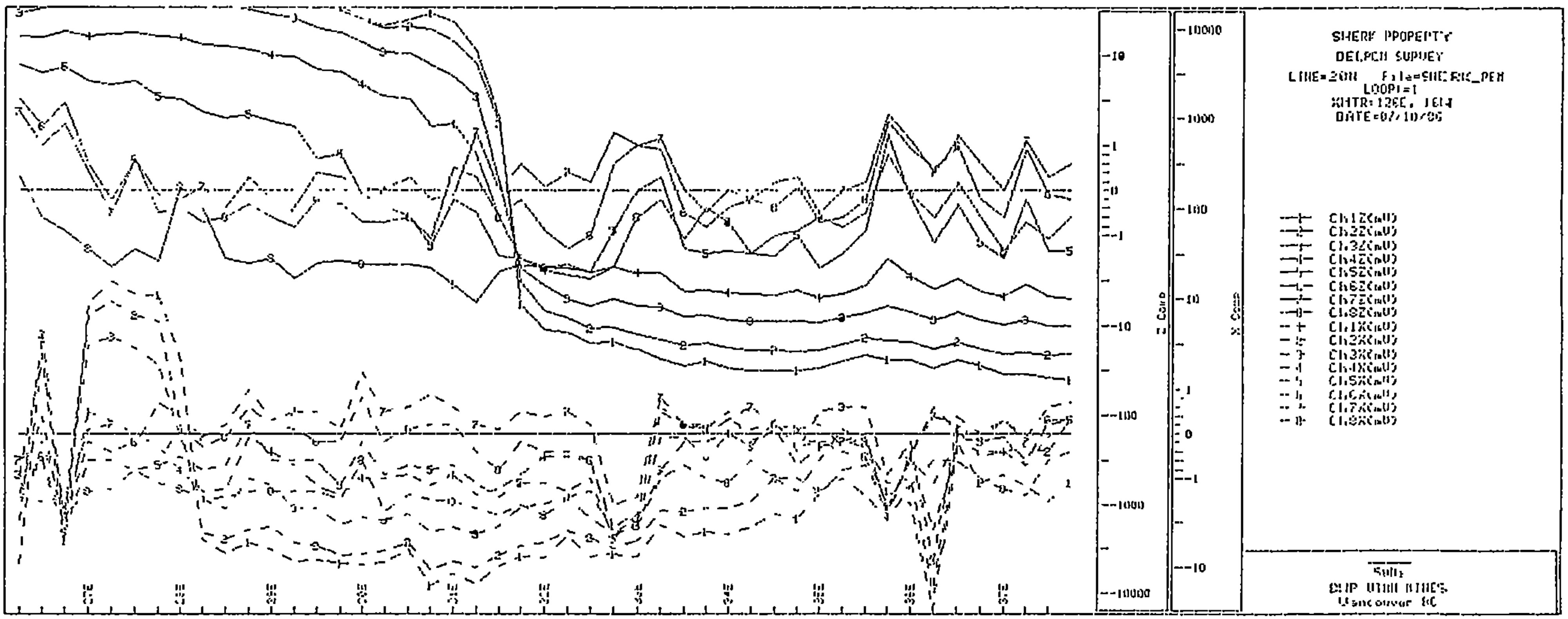
Pulse EM Survey Data - Sherk Grid

Conductor Location

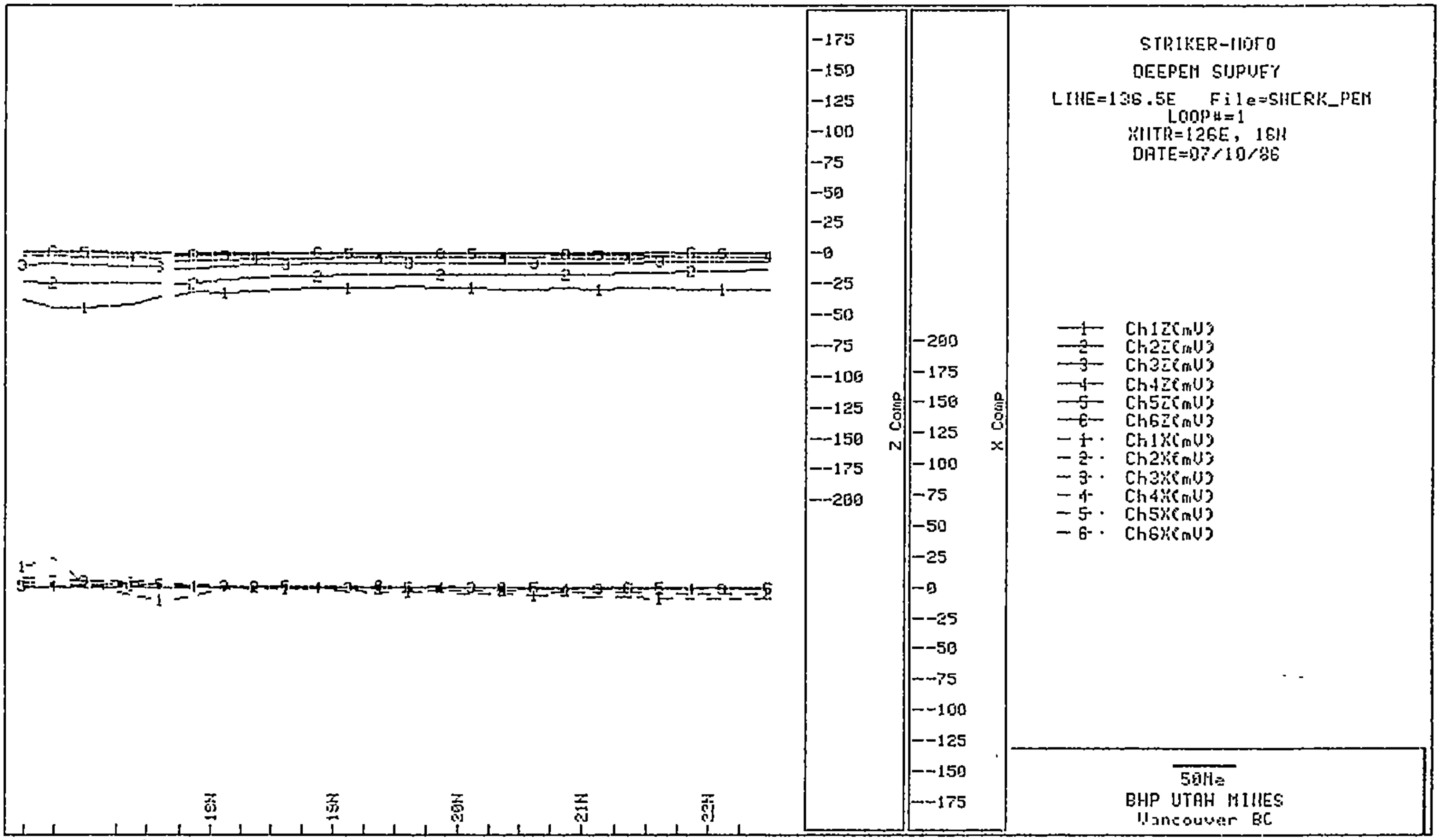
● PEM Loop Edge Location


SHERK PROPERTY
DEEPEM SURVEY
LINE=20N File=SHERK_PEM
LOOP=1
Z Comp
X Comp
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
50m
BHP UTAH MINES
Vancouver BC

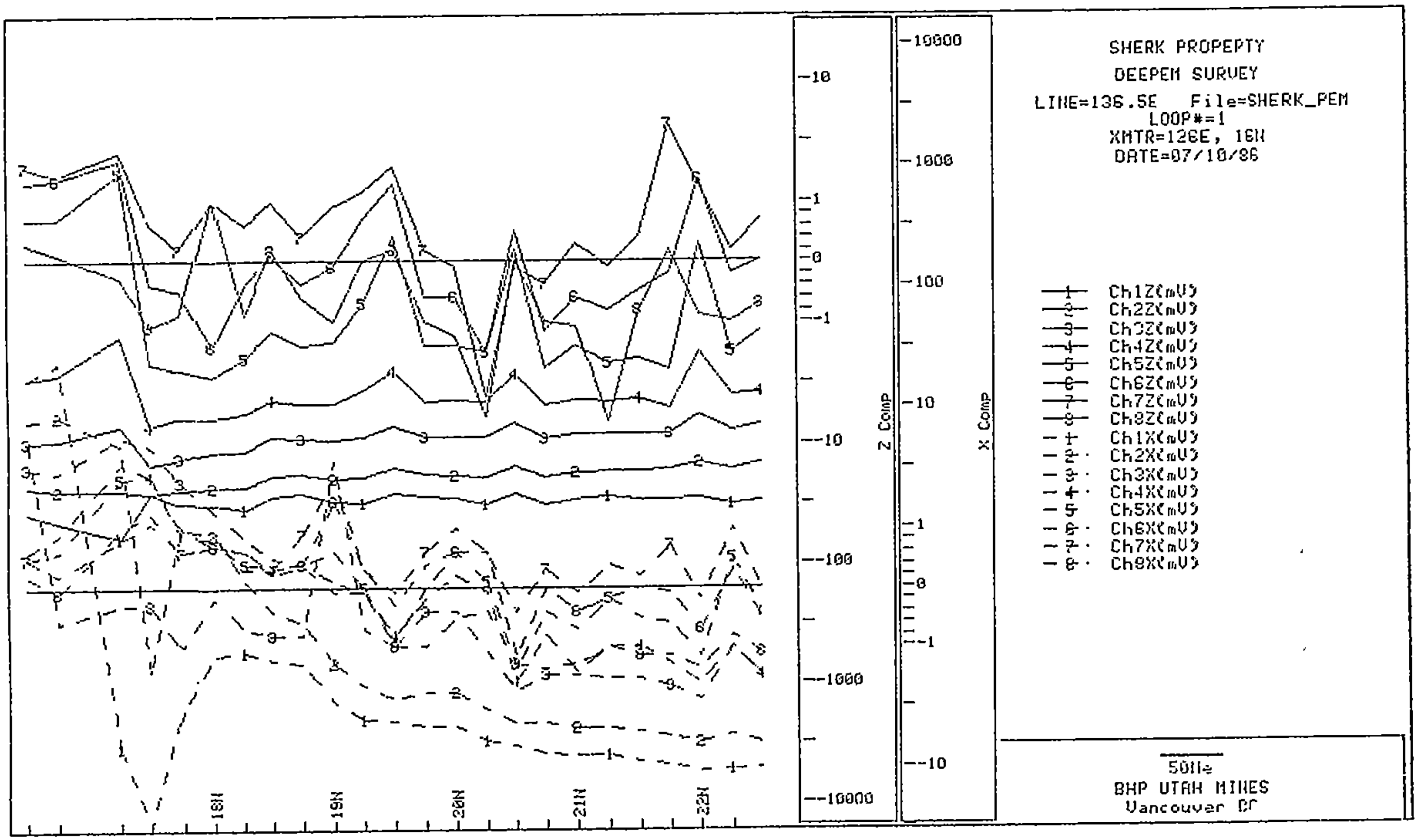
See Log Plot.



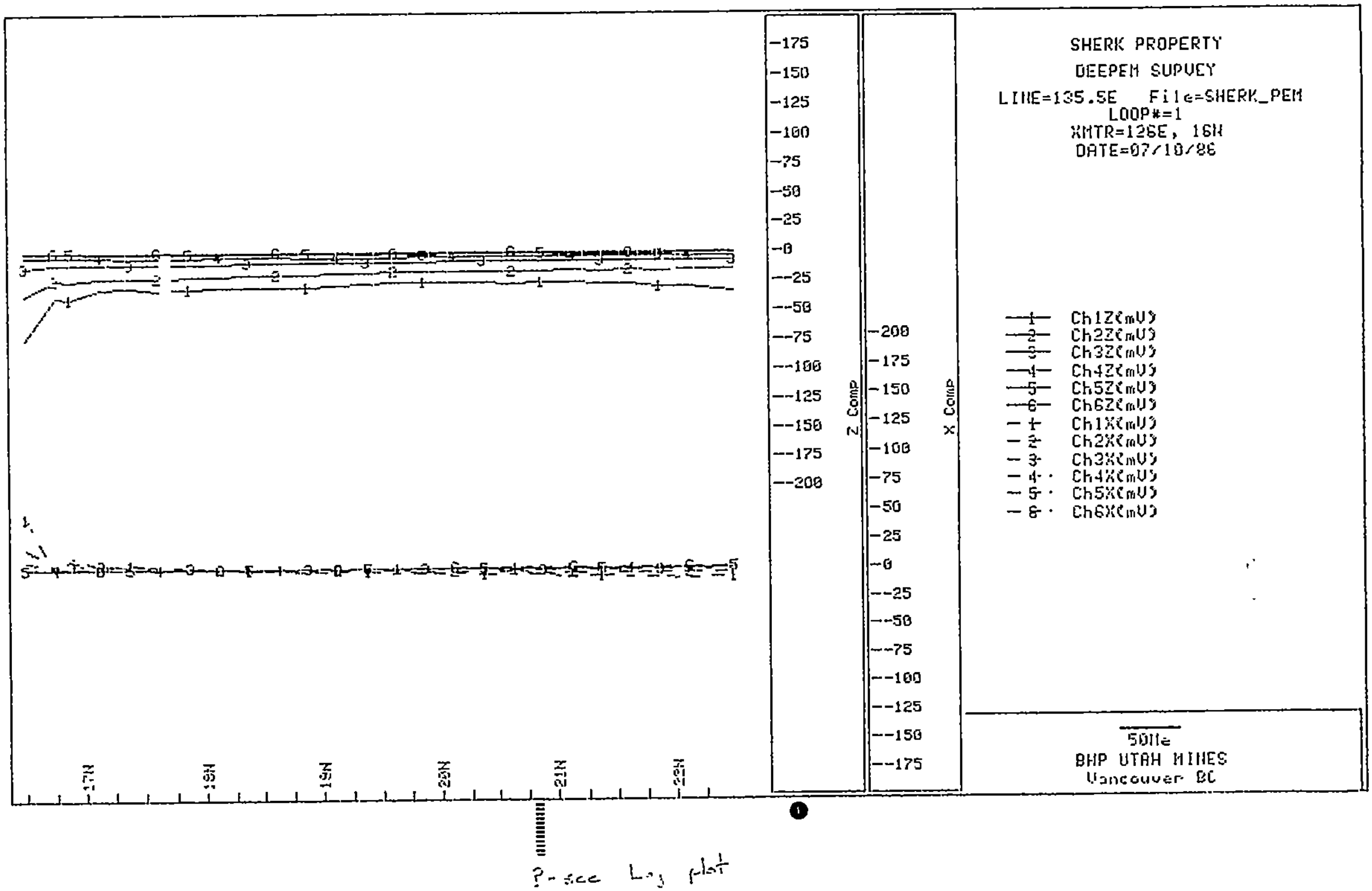
SHERK PROPERTY
DEEPEM SURVEY
LINE=20N File=SHERK_PEM
LOOP=1
DATE=07/10/96
Ch1Z(nV)
Ch2Z(nV)
Ch3Z(nV)
Ch4Z(nV)
Ch5Z(nV)
Ch6Z(nV)
Ch7Z(nV)
Ch8Z(nV)
Ch1X(nV)
Ch2X(nV)
Ch3X(nV)
Ch4X(nV)
Ch5X(nV)
Ch6X(nV)
Ch7X(nV)
Ch8X(nV)
Z Comp
X Comp
Vancouver BC


STRIKER-NOFO
DEEPEM SURVEY
LINE=136.5E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Z Comp
X Comp
18N
19N
20N
21N
22N
50Mz
BHP UTAH MINES
Vancouver BC

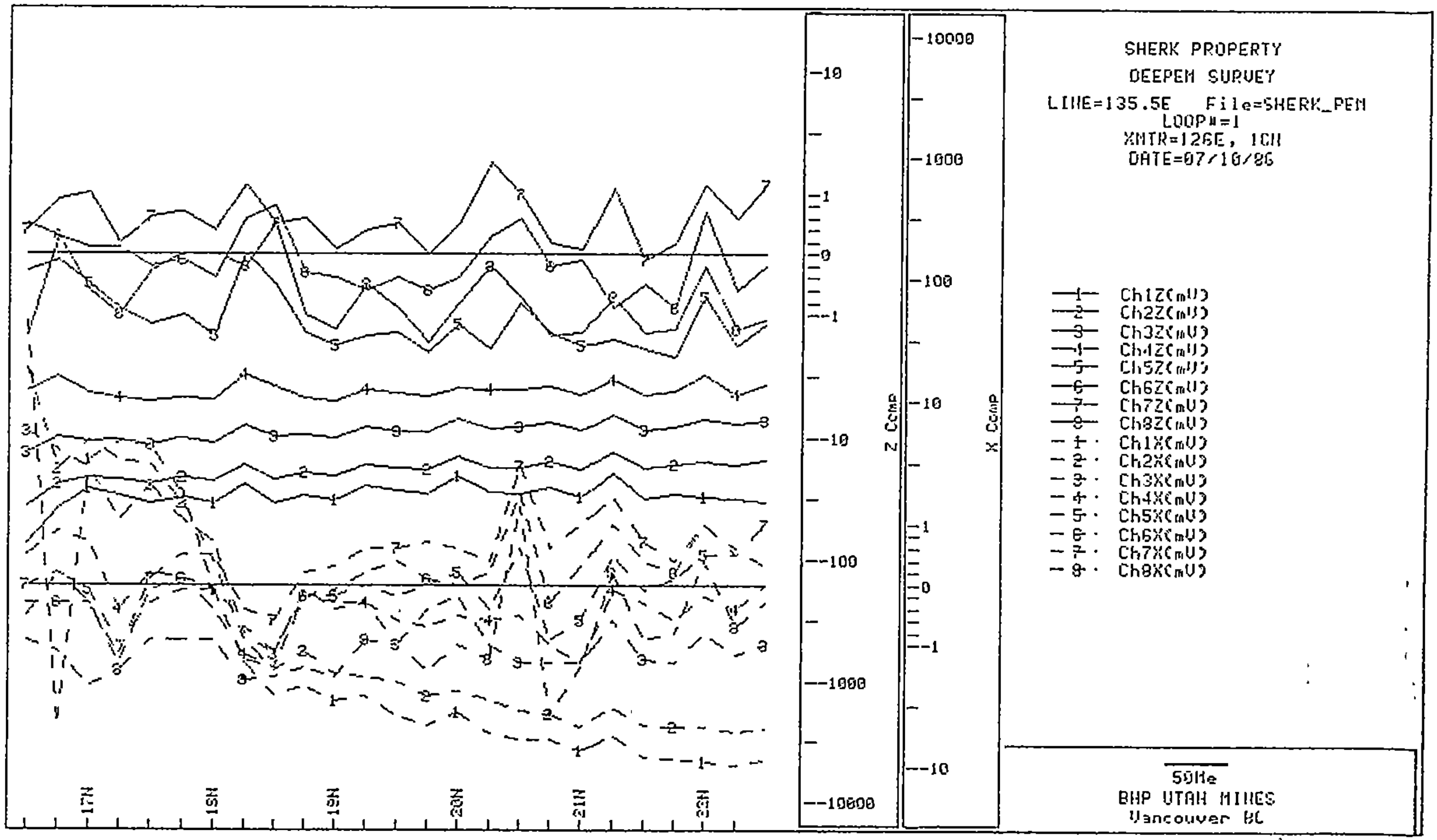
? - see Log Plot

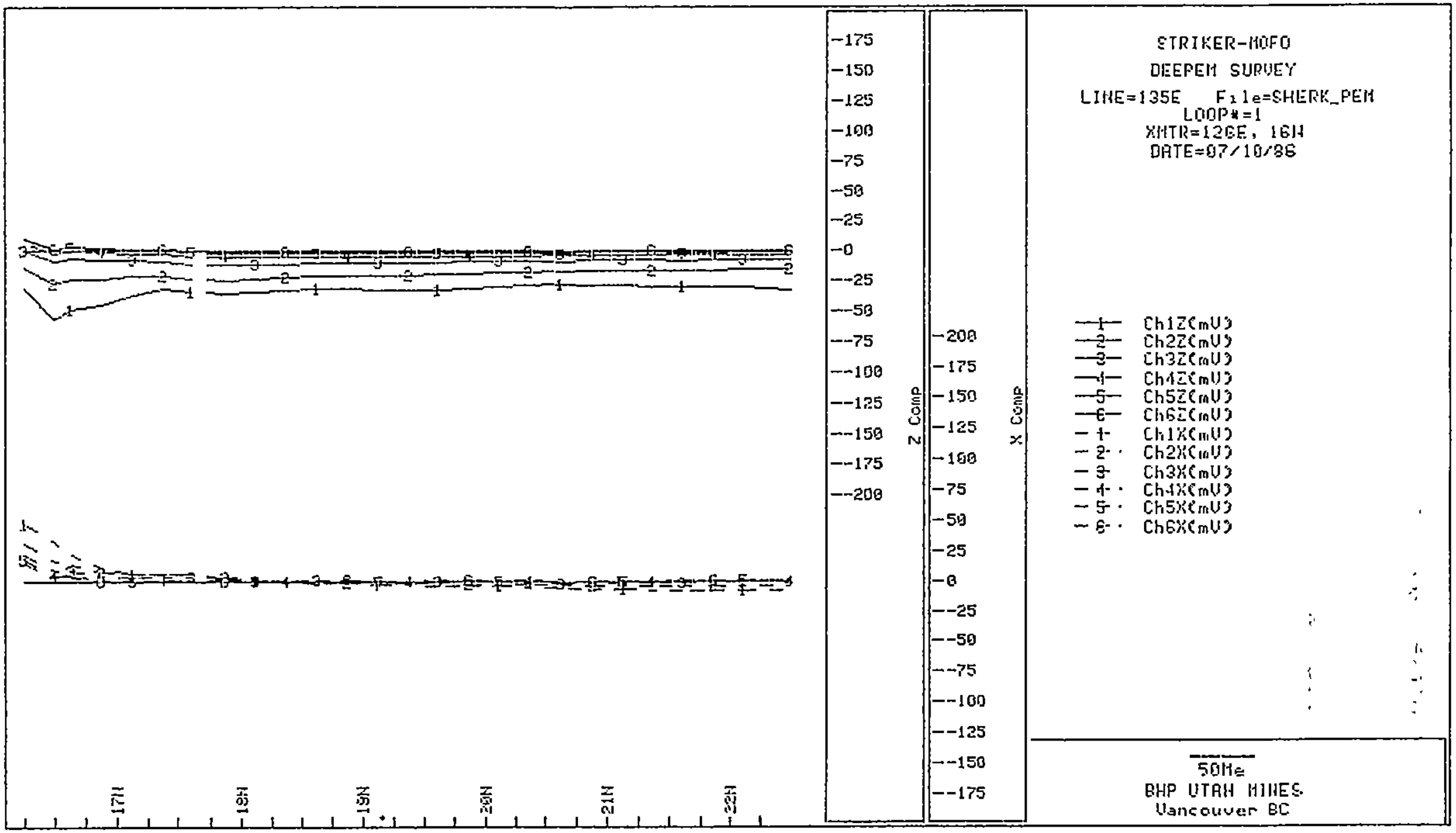


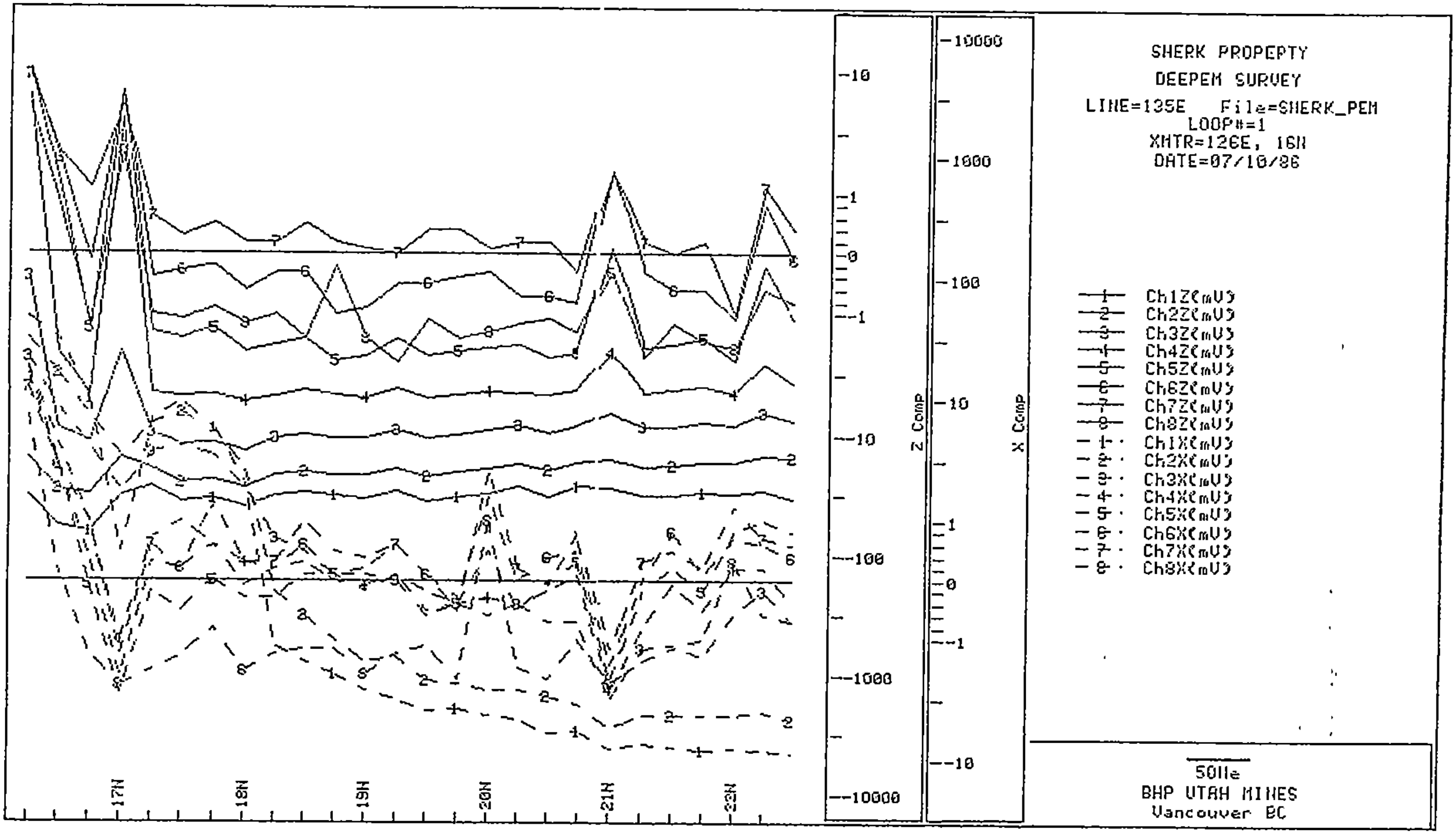
SHERK PROPERTY
DEEPEM SURVEY
LINE=136.5E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
10
1
0
-1
-10
-100
-1000
-10000
10000
1000
100
10
1
0
-1
-10
18N
19N
20N
21N
22N
50Hz
BHP UTAH MINES
Vancouver BC



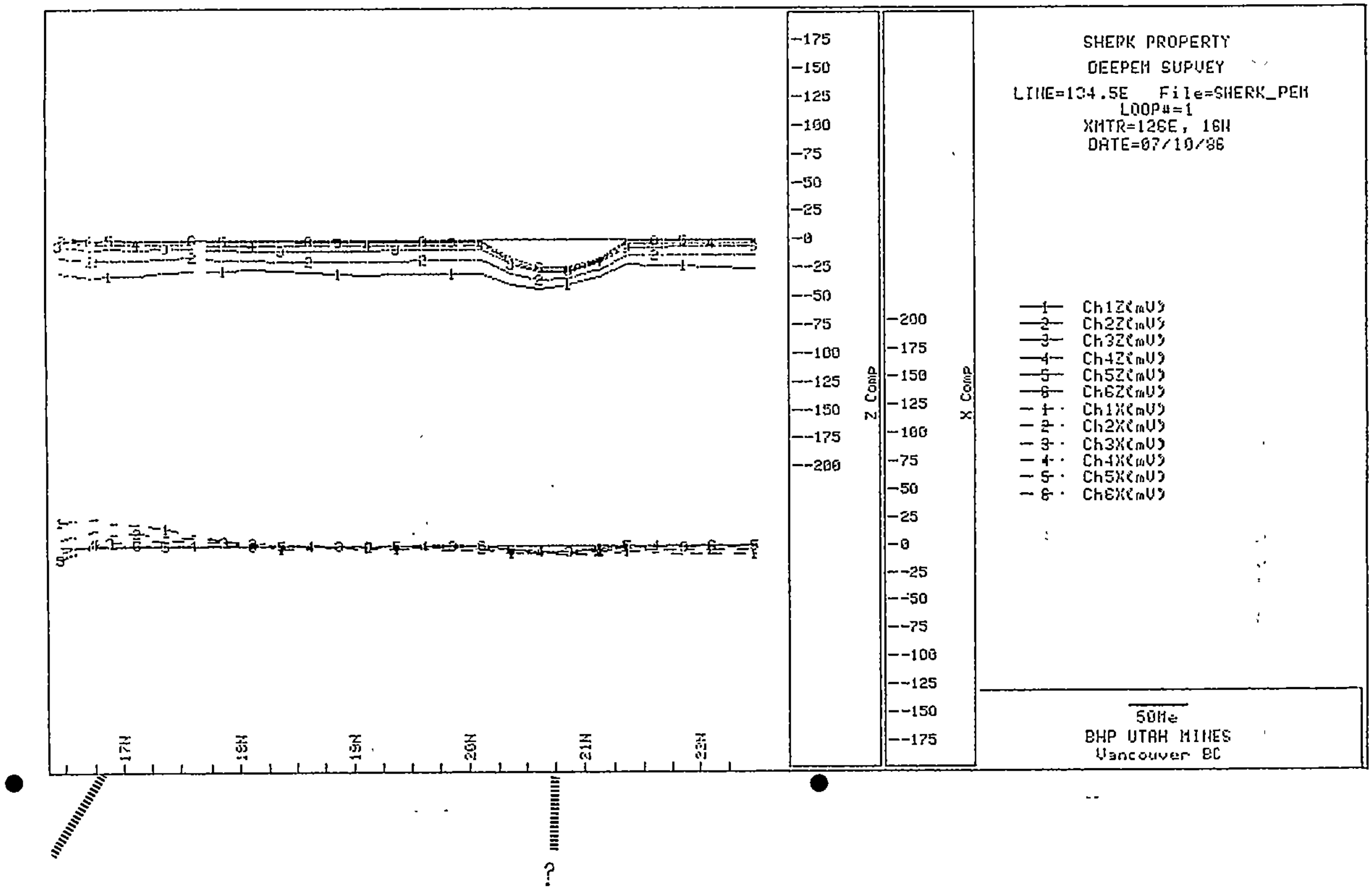
SHERK PROPERTY
DEEPEM SURVEY
LINE=135.5E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
50Ms
BHP UTAH MINES
Vancouver BC
?-see Log plot

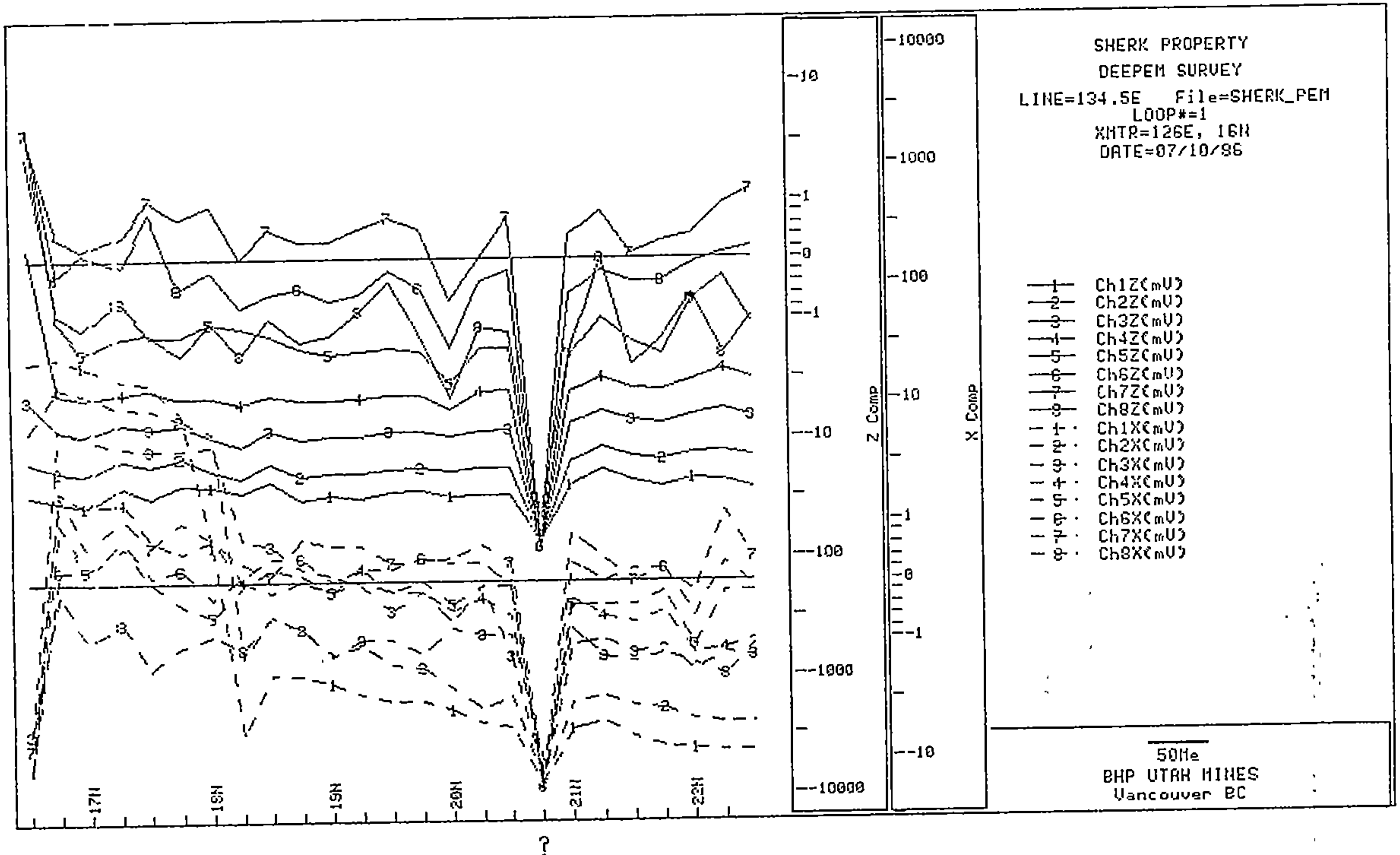

SHERK PROPERTY
DEEPEM SURVEY
LINE=135.5E File=SHERK_PEM
LOOP#=1
XMTR=126E, 1CN
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
50Me
BHP UTAH MINES
Vancouver BC

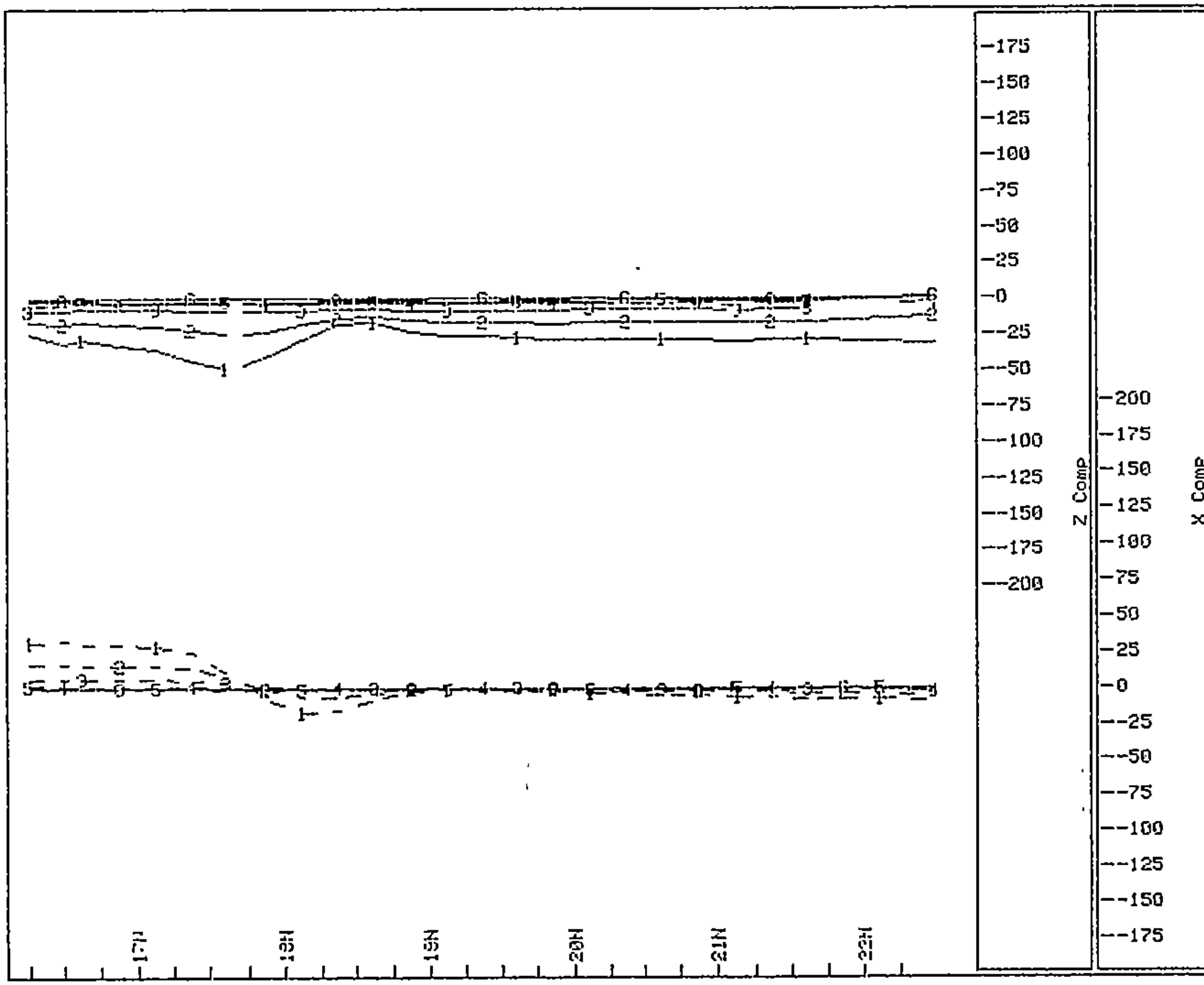

STRIKER-MOFO
DEEPEM SURVEY
LINE=135E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
50Me
BHP UTAH MINES
Vancouver BC



SHERK PROPERTY
DEEPEM SURVEY
LINE=135E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
50Ne
BHP UTAH MINES
Vancouver BC


SHERK PROPERTY
DEEPEM SURVEY
LINE=134.5E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
50Me
BHP UTAH MINES
Vancouver BC
?

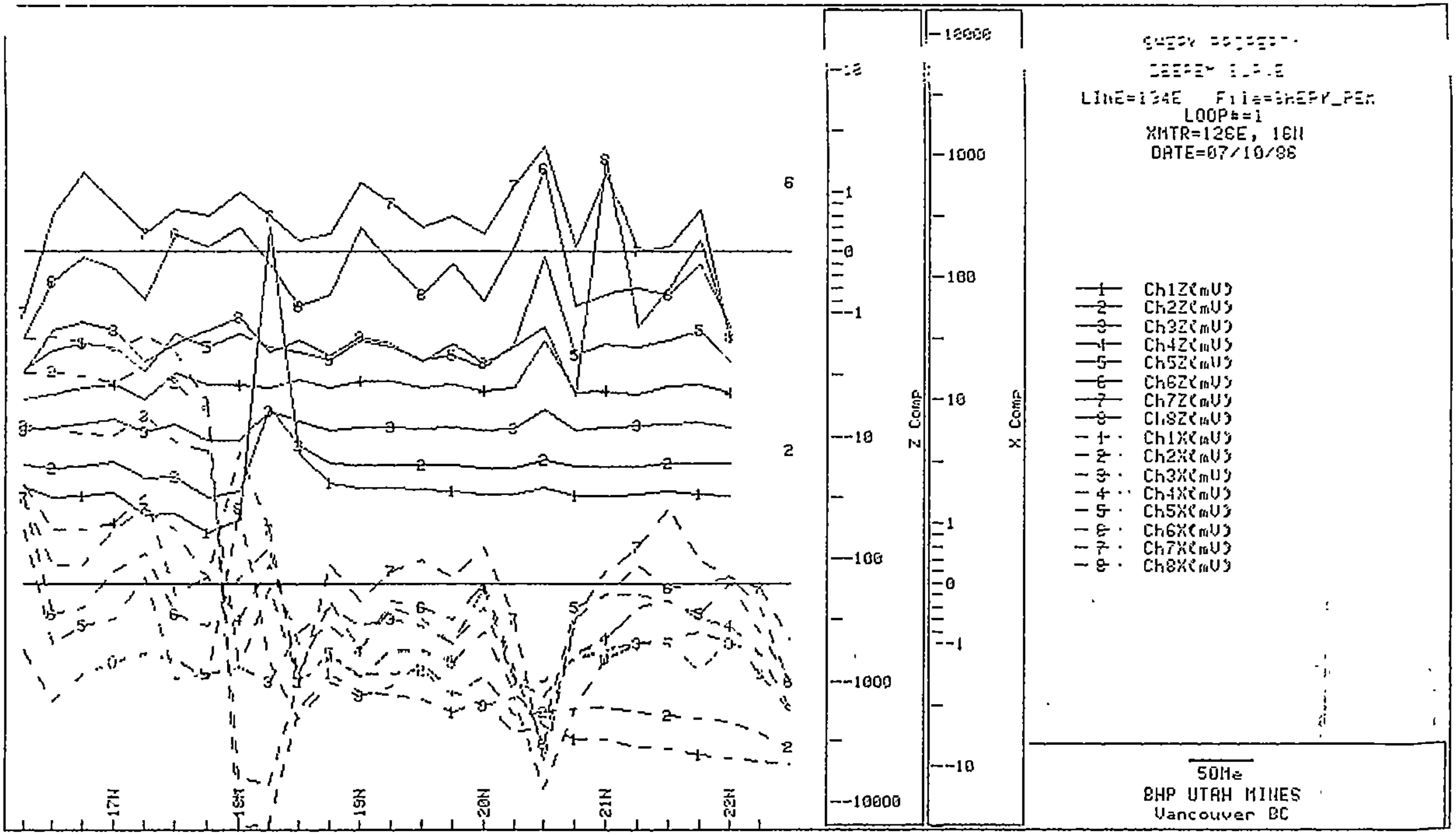

SHERK PROPERTY
DEEPEM SURVEY
LINE=134.5E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
50Me
BHP UTAH MINES
Vancouver BC
?

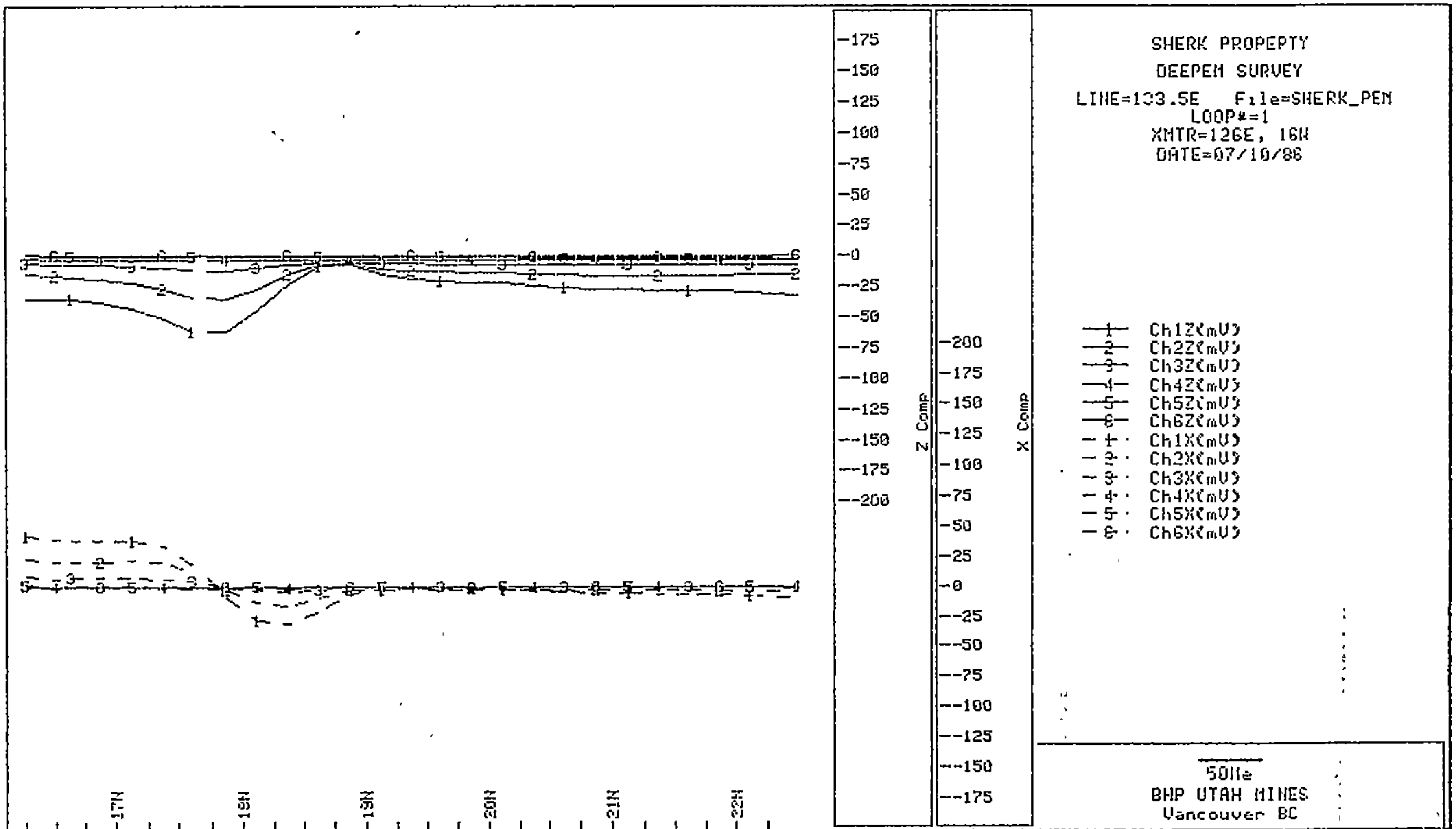


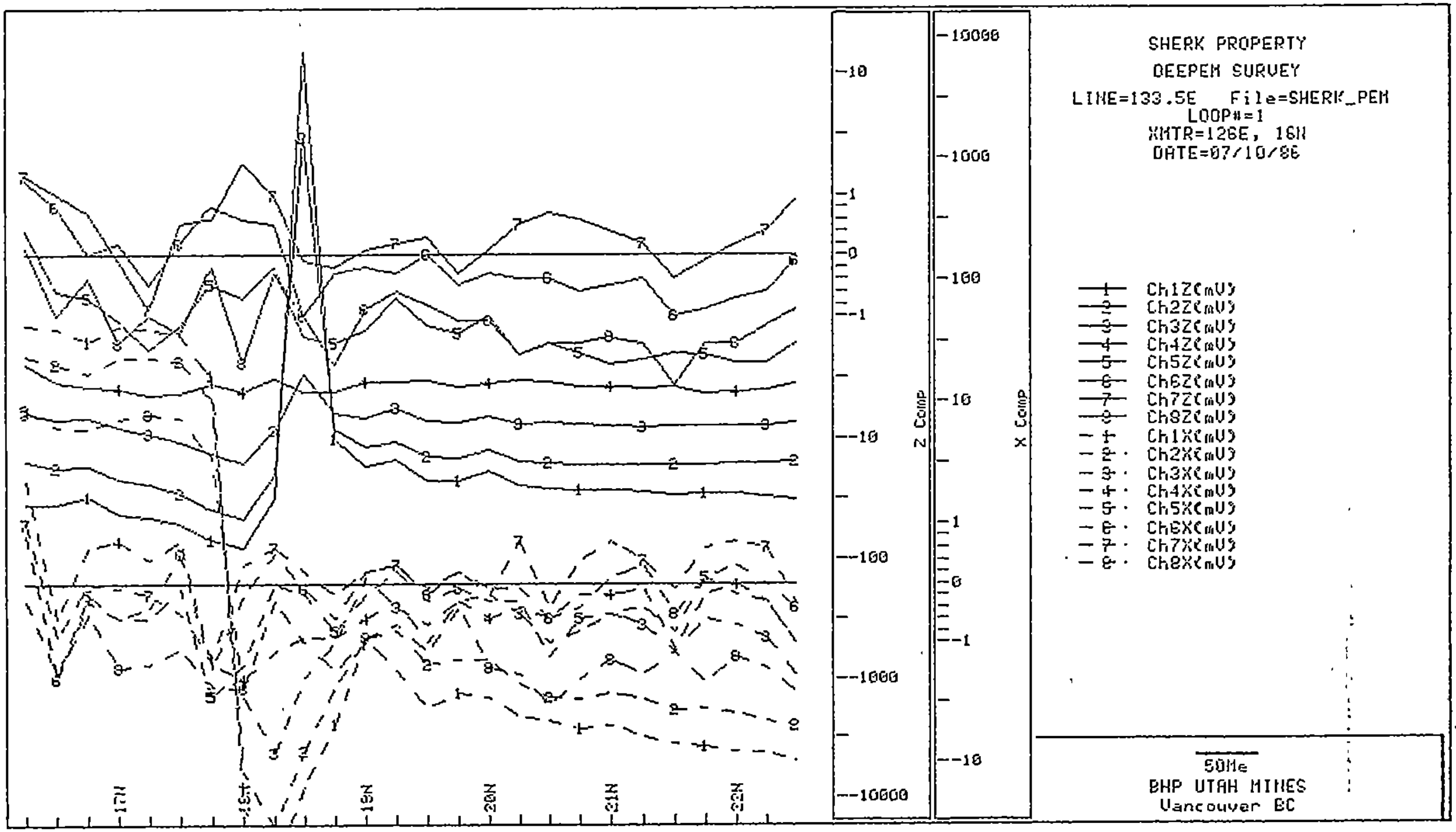
STRIKER-MOFO
DEEPEM SURVEY
LINE=134E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86

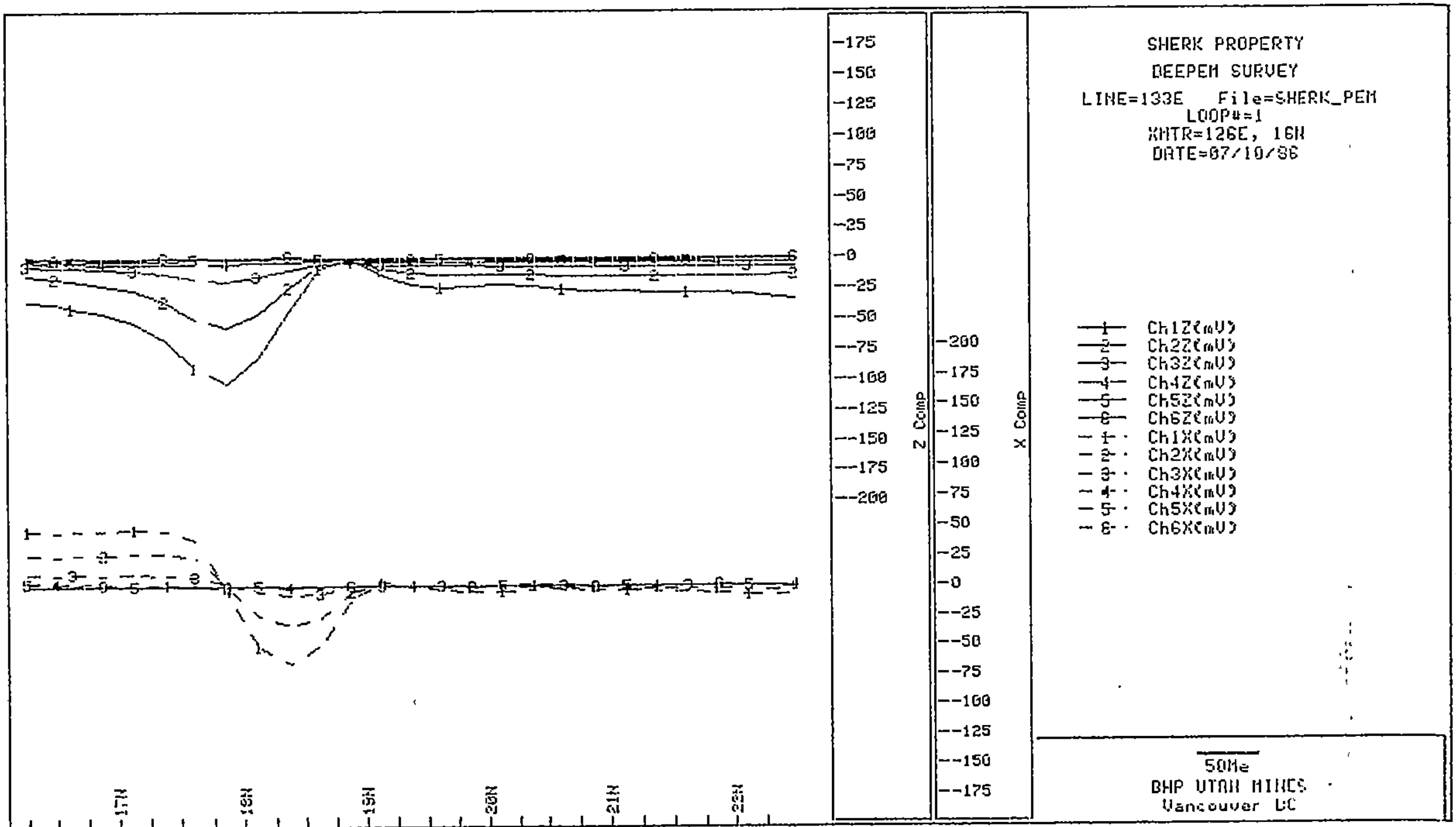
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)

50Me
BHP UTAH MINES
Vancouver BC

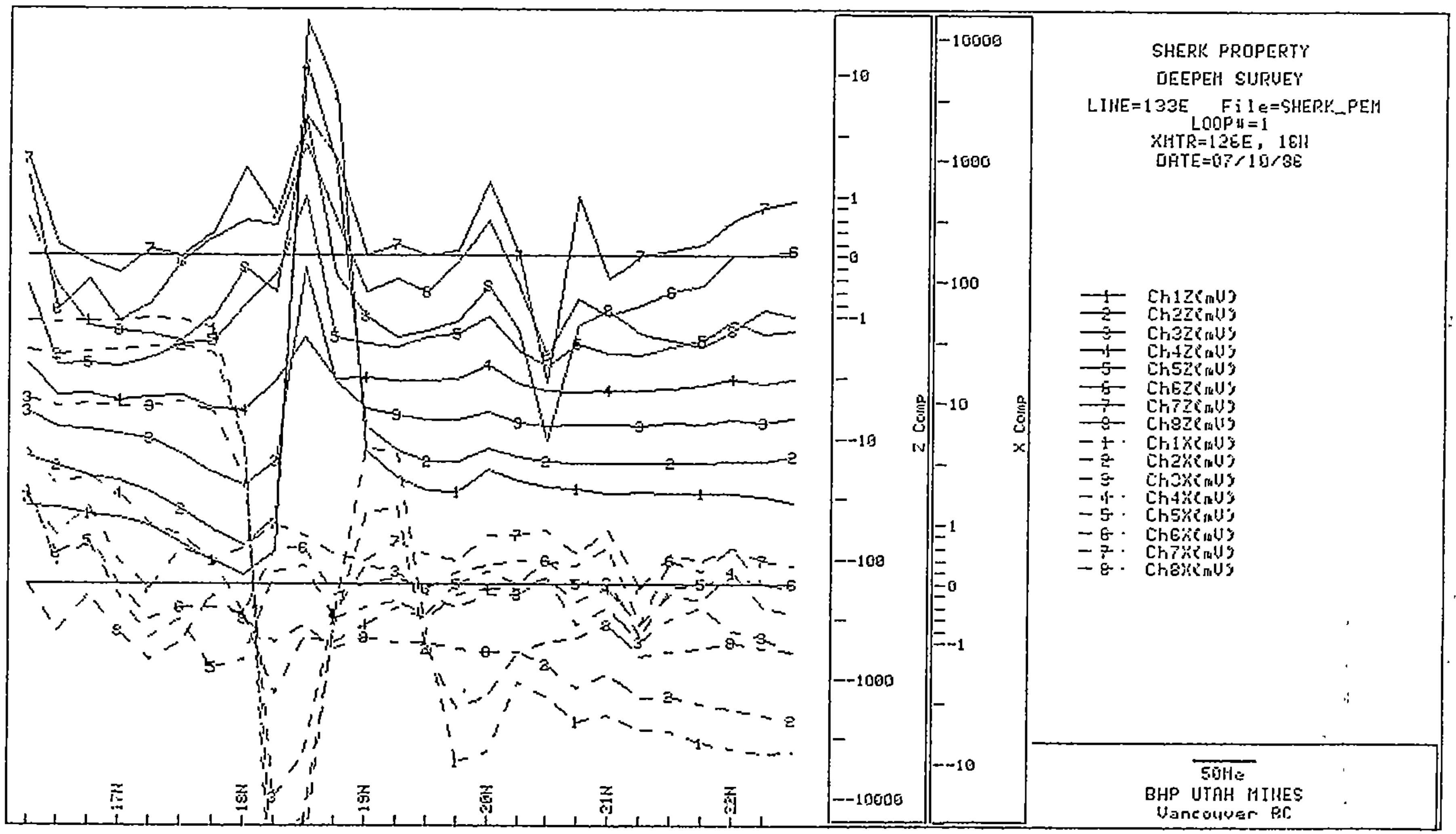

LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
BHP UTAH MINES
Vancouver BC

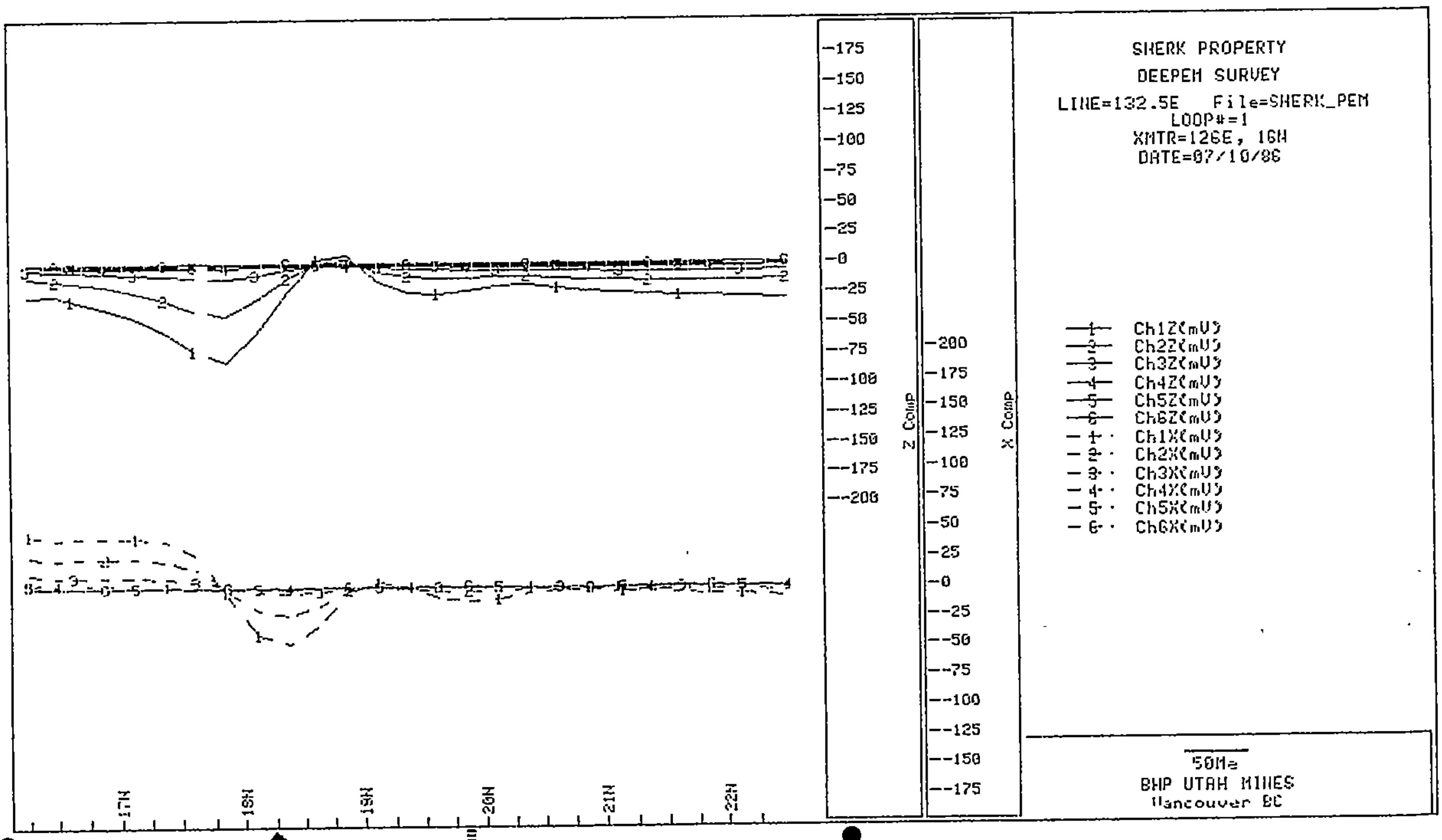

SHERK PROPERTY
DEEPEM SURVEY
LINE=133.5E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
50Ne
BHP UTAH MINES
Vancouver BC

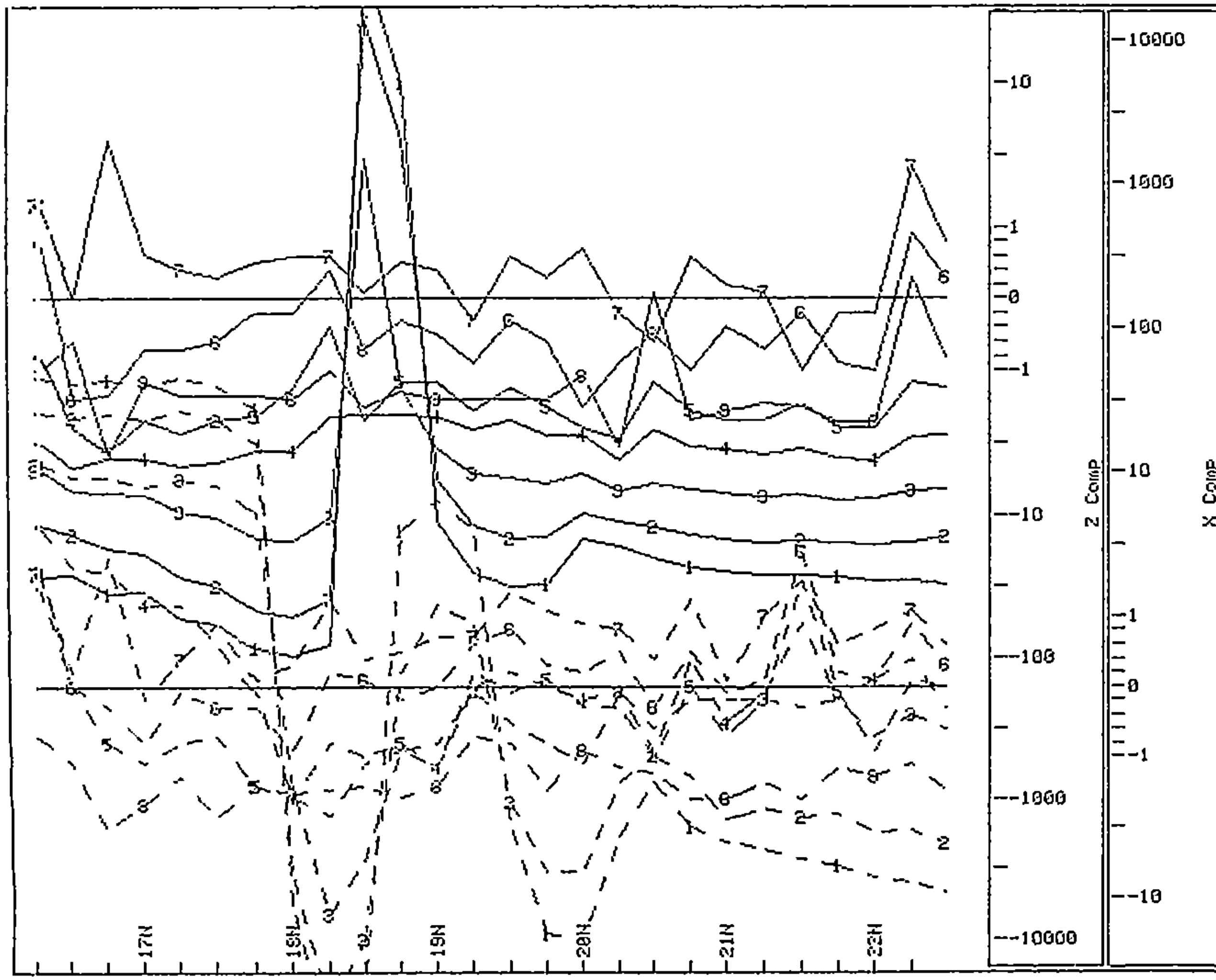

SHERK PROPERTY
DEEPEM SURVEY
LINE=133.5E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
50Me
BHP UTAH MINES
Vancouver BC


SHERK PROPERTY
DEEPEM SURVEY
LINE=133E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
50Me
BHP UTAH MINES
Vancouver BC

[redacted]


SHERK PROPERTY
DEEPEM SURVEY
LINE=133E File=SHERK_PEM
LOOP#=1
XMTR=126E, 18N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
50Hz
BHP UTAH MINES
Vancouver BC


SHERK PROPERTY
DEEPEM SURVEY
LINE=132.5E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
50Ms
BHP UTAH MINES
Vancouver BC

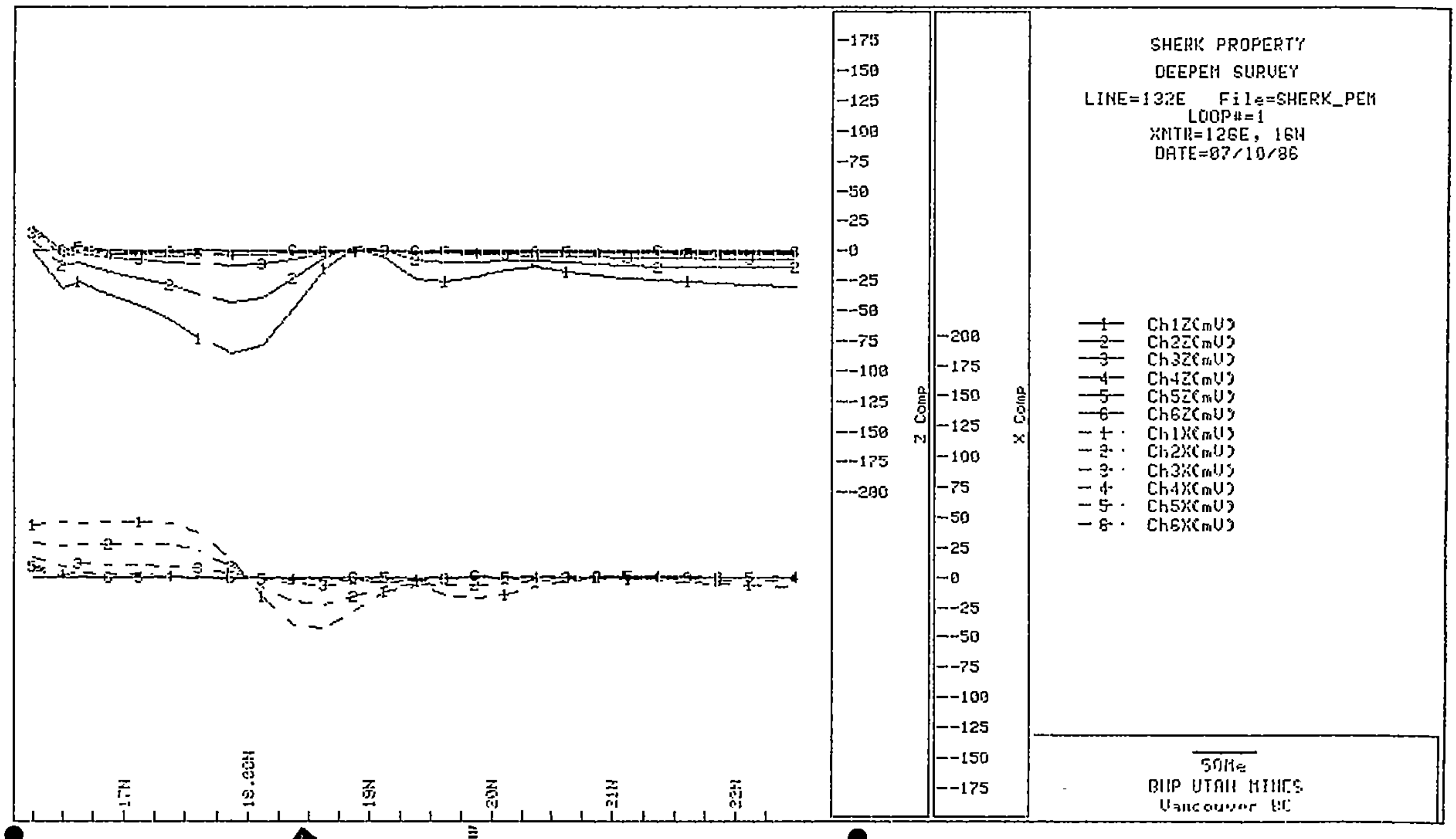


SHERK PROPERTY
DEEPEM SURVEY
LINE=132.5E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86

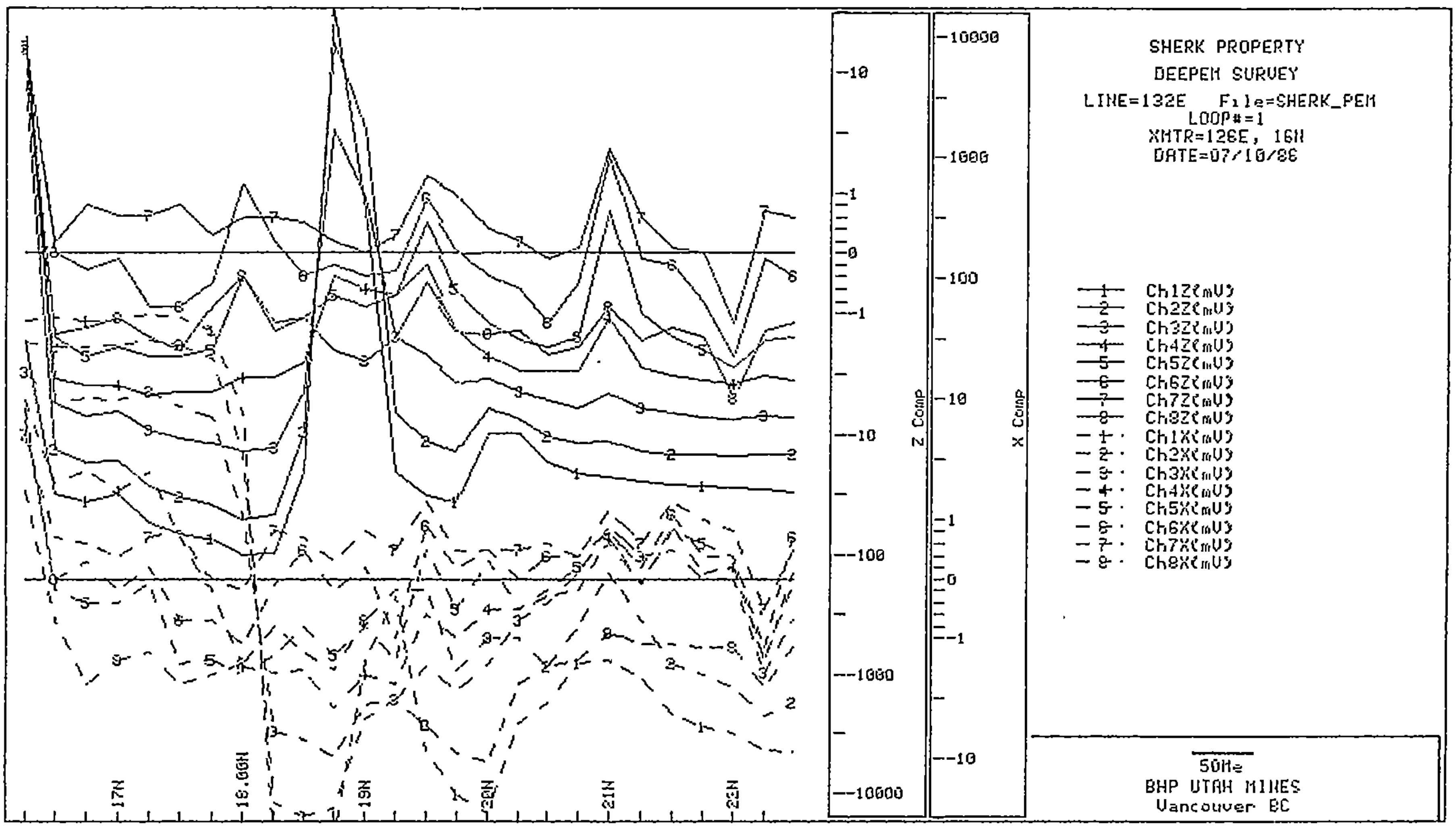
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)

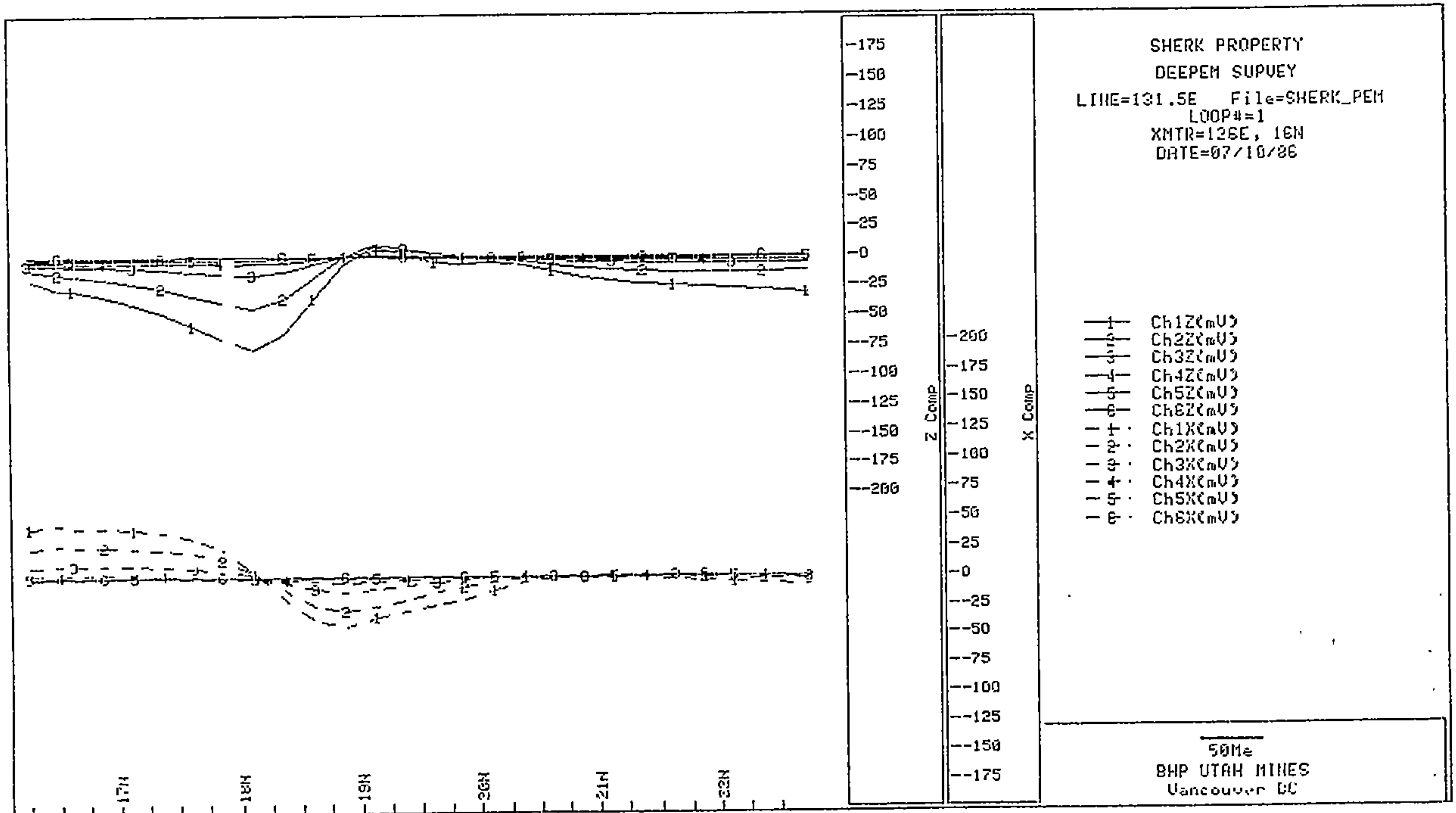
50Me

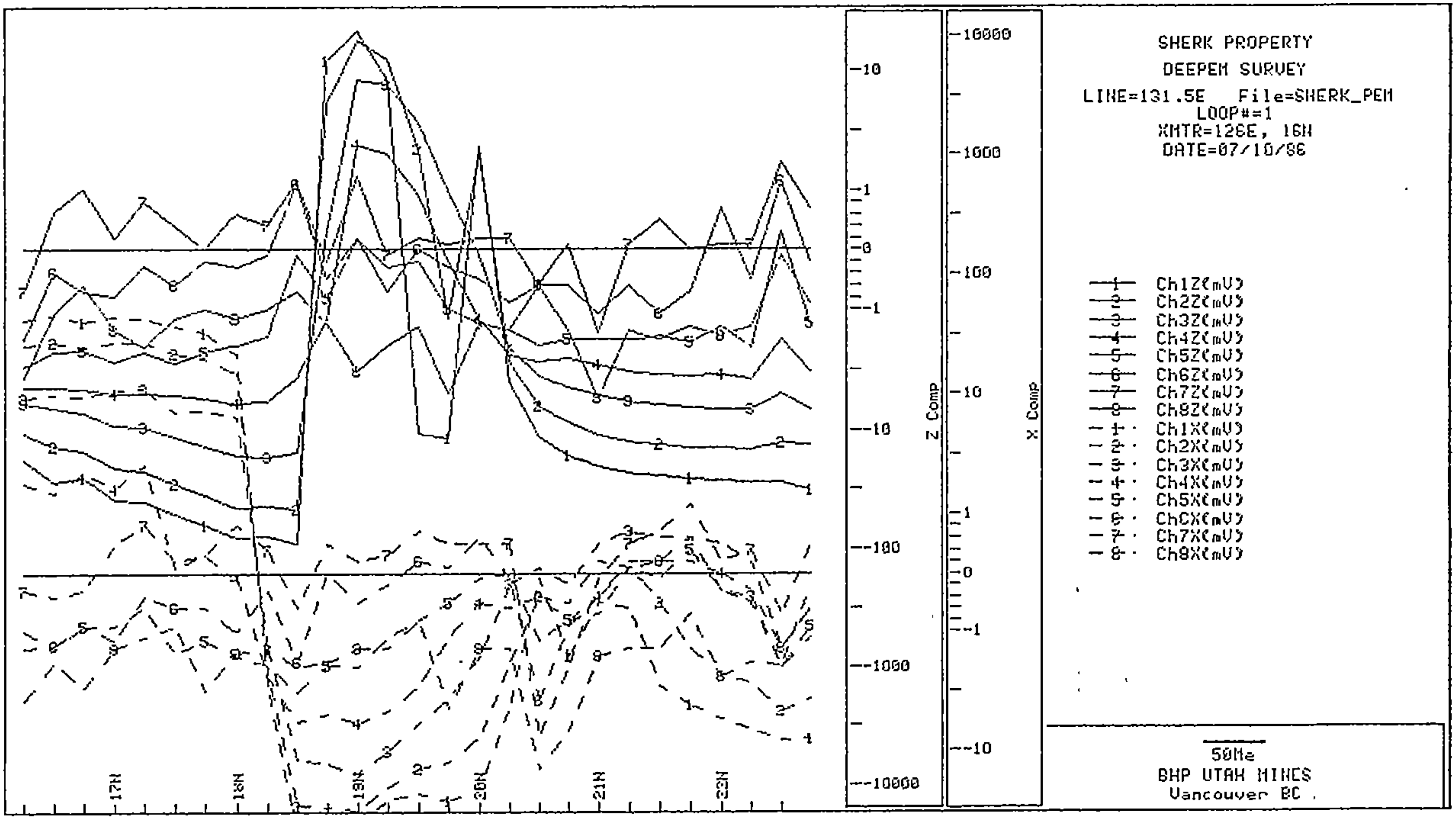
BHP UTAH MINES
Vancouver BC



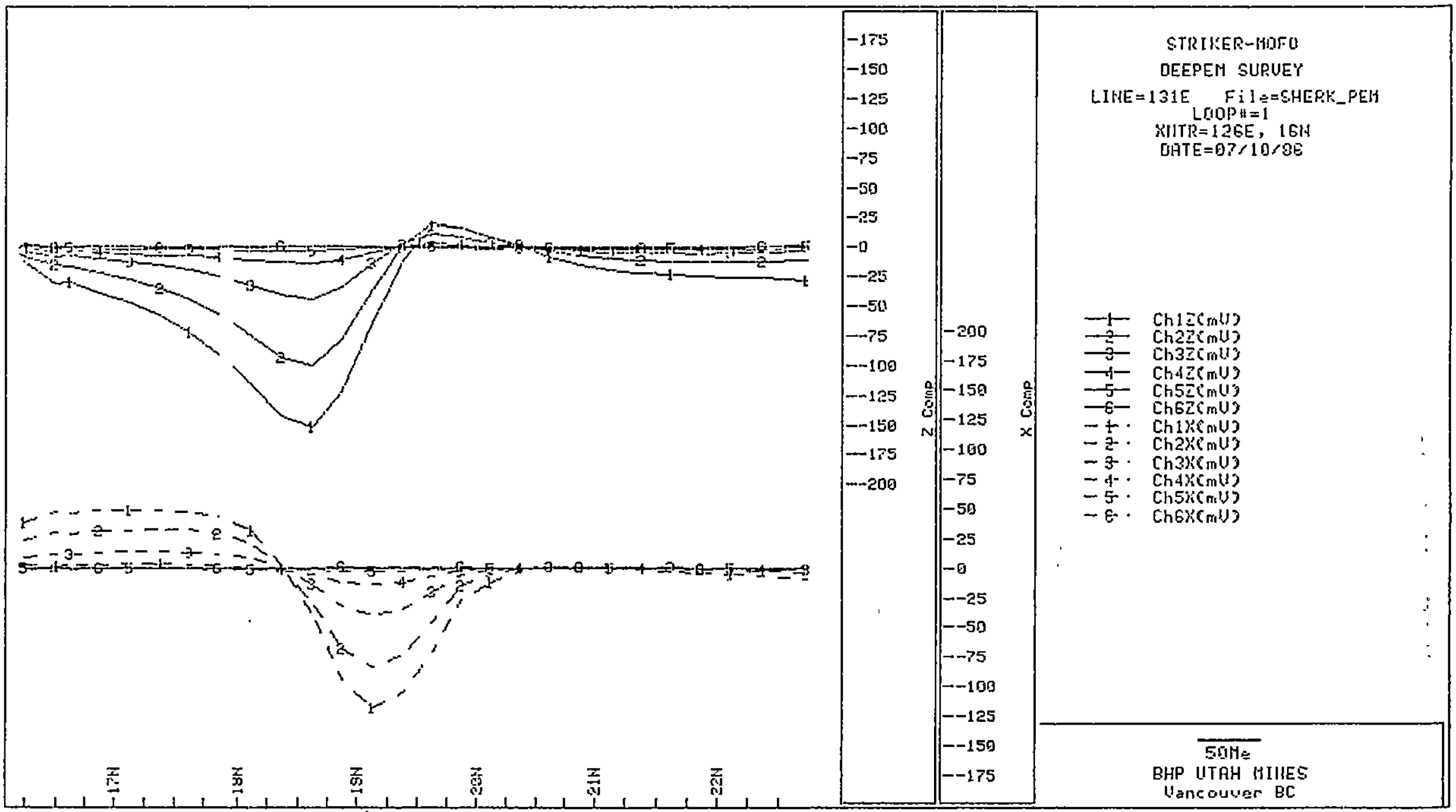
SHERK PROPERTY
DEEPEM SURVEY
LINE=132E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Z Comp
X Comp
17N
18.00N
19N
20N
21N
22N
50Hz
BHP UTAH MINES
Vancouver BC


SHERK PROPERTY
DEEPEM SURVEY
LINE=132E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
50Hz
BHP UTAH MINES
Vancouver BC
17N
18.00N
19N
20N
21N
23N

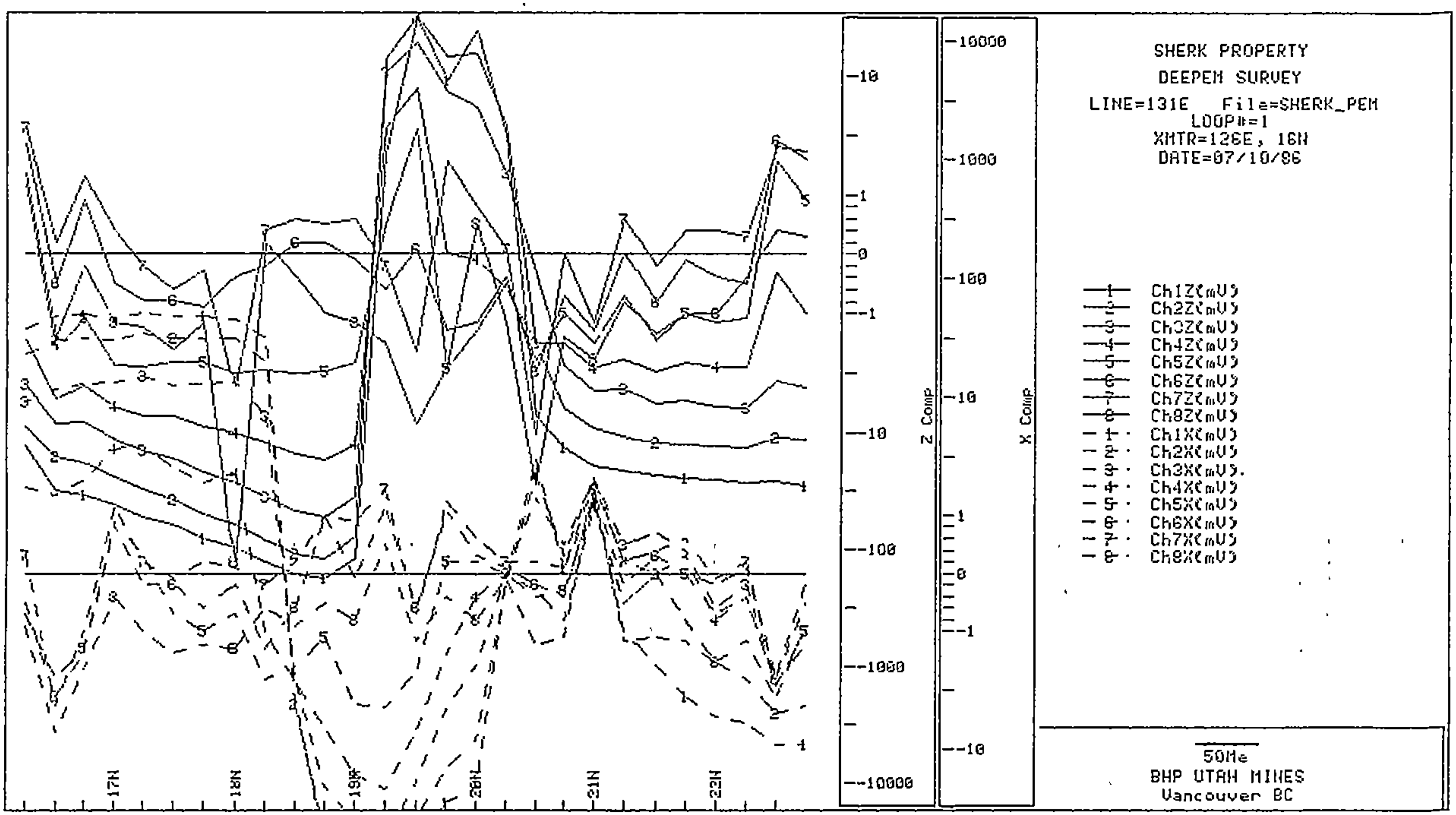

SHERK PROPERTY
DEEPEM SURVEY
LINE=131.5E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Z Comp
X Comp
50Me
BHP UTAH MINES
Vancouver BC
17N
18N
19N
20N
21N
22N



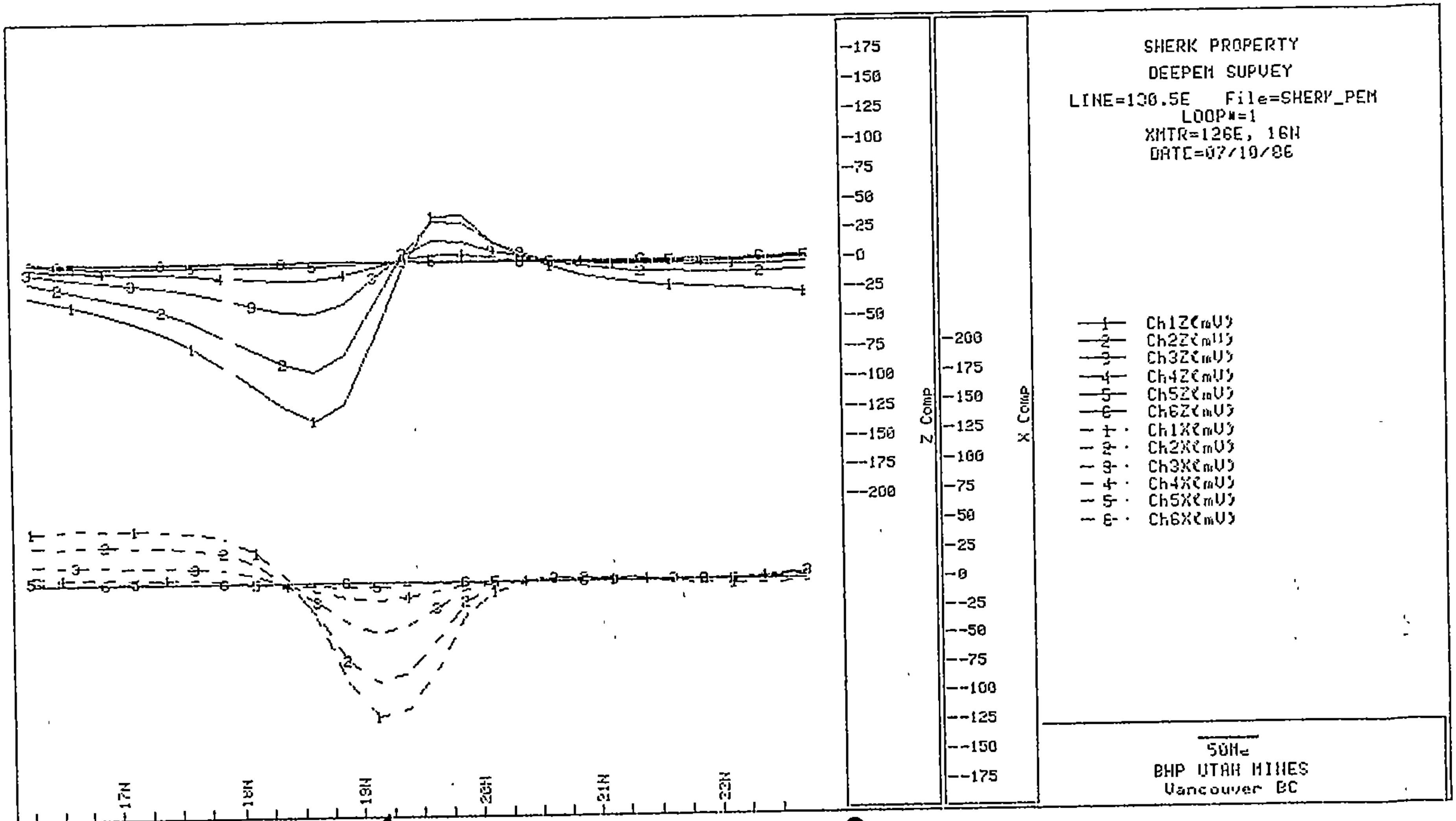
SHERK PROPERTY
DEEPEM SURVEY
LINE=131.5E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
ChCX(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
50Mz
BHP UTAH MINES
Vancouver BC



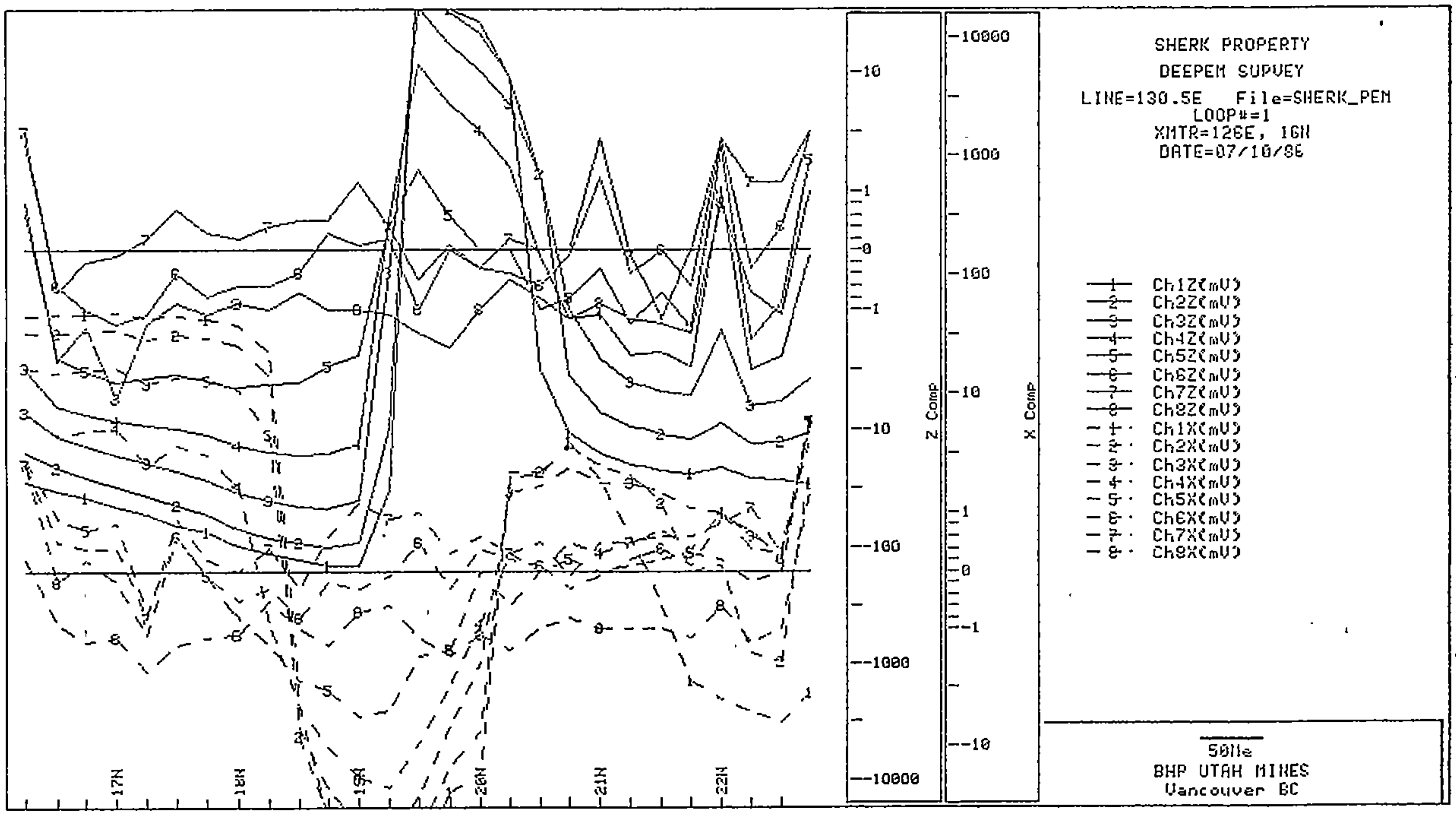
STRIKER-MOFO
DEEPEM SURVEY
LINE=131E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
50Me
BHP UTAH MINES
Vancouver BC



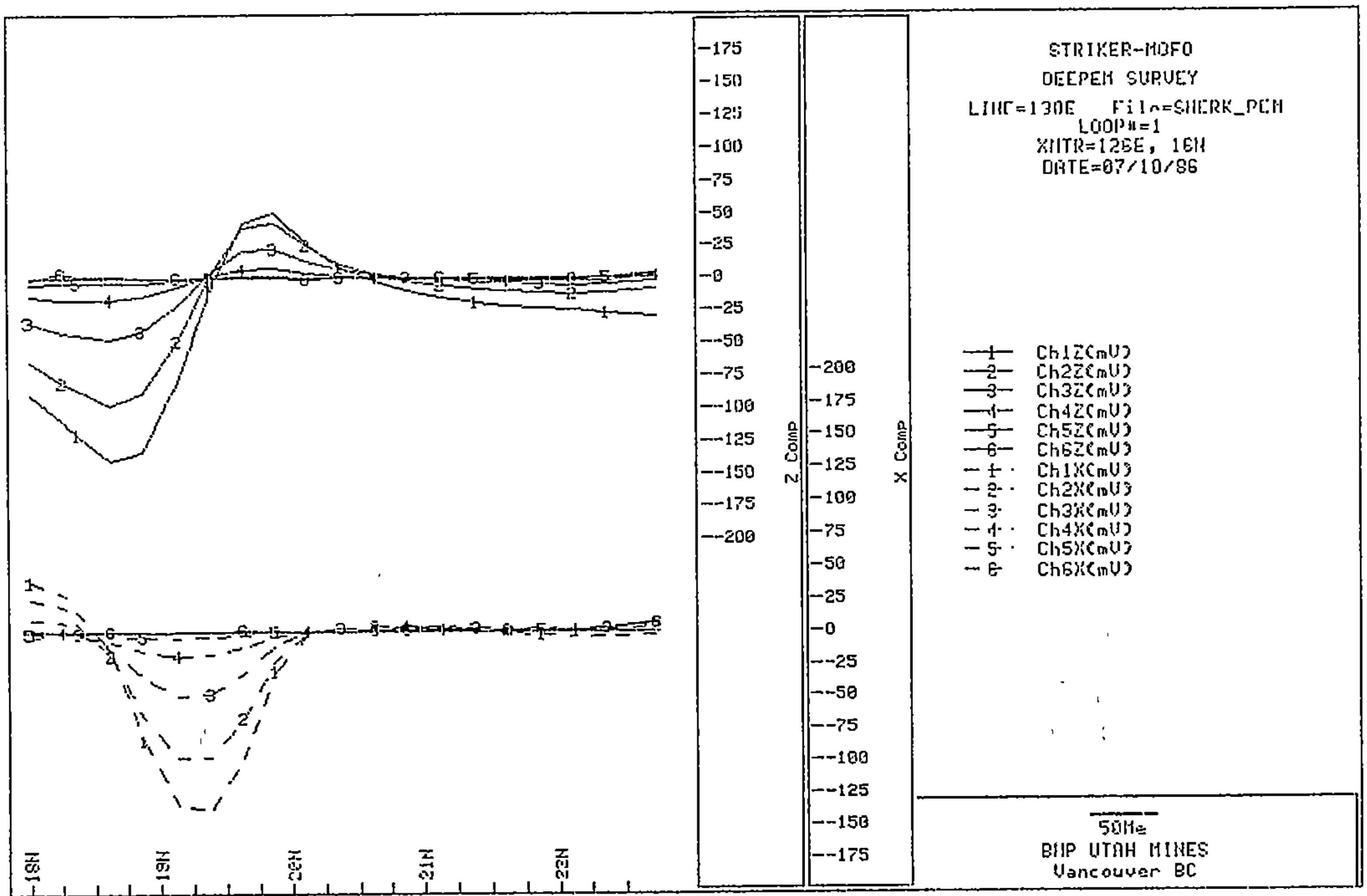
SHERK PROPERTY
DEEPEM SURVEY
LINE=131E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
50Me
BHP UTAH MINES
Vancouver BC

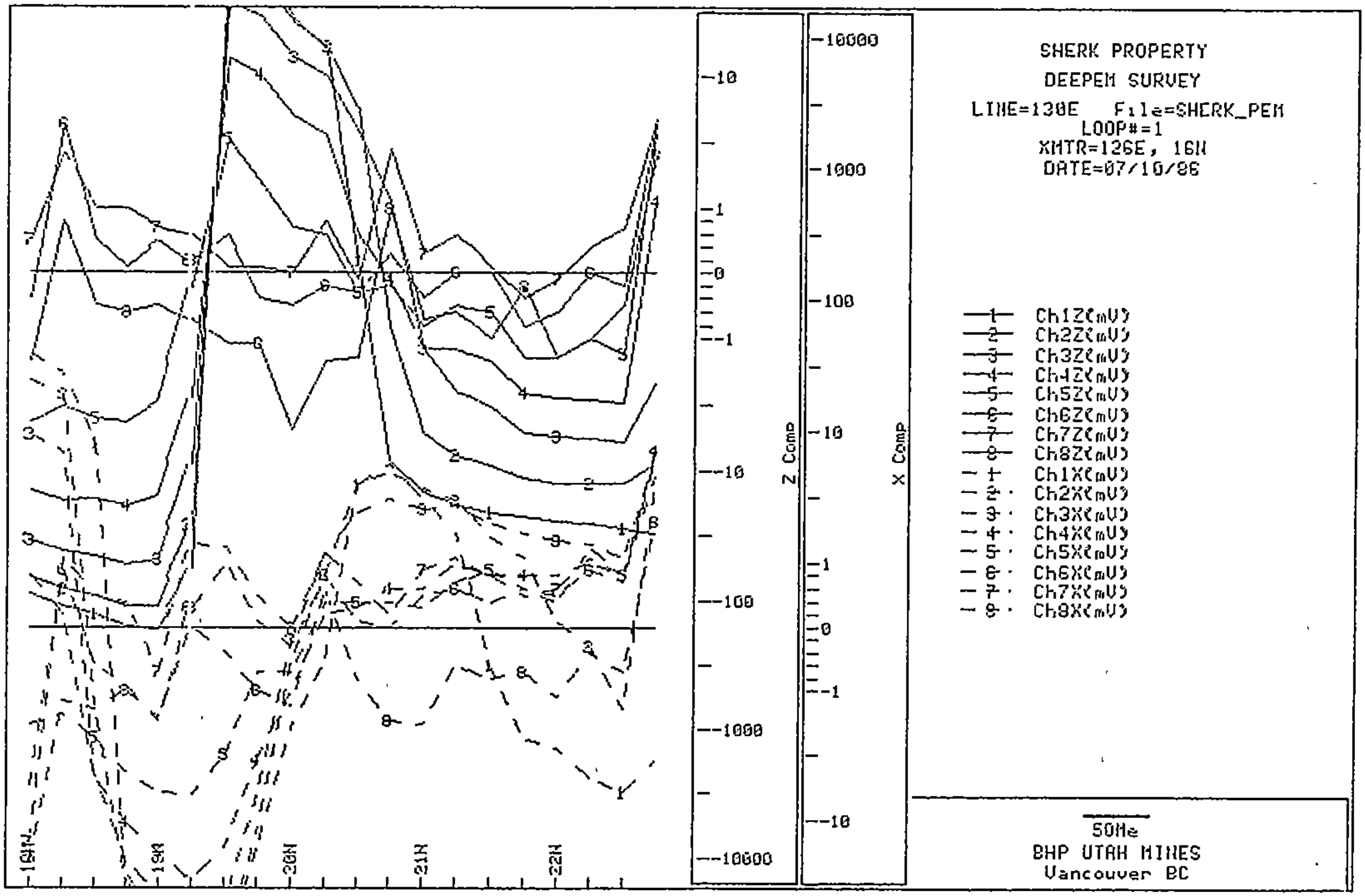


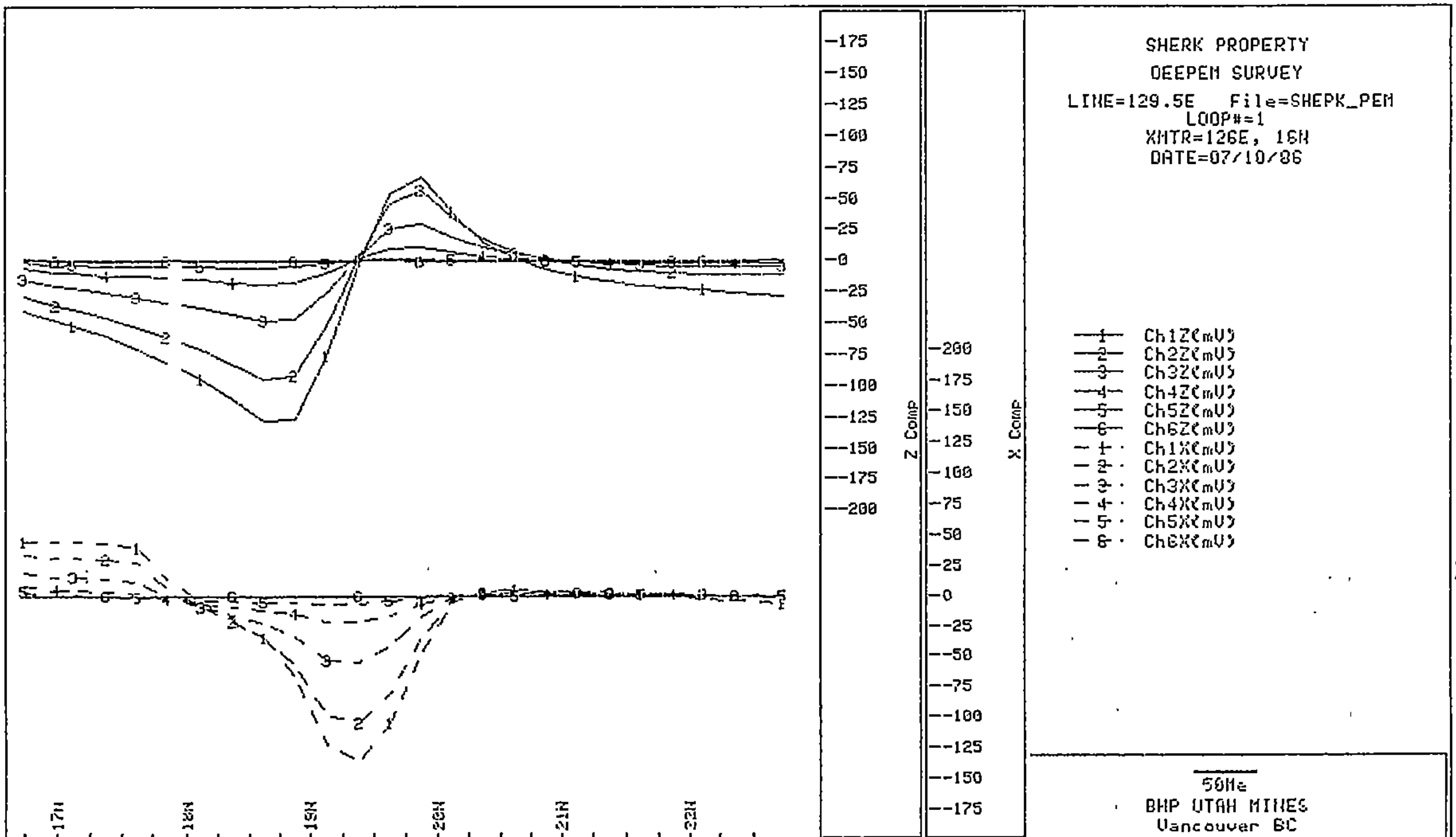
SHERK PROPERTY
DEEPEM SURVEY
LINE=130.5E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
50Hz
BHP UTAH MINES
Vancouver BC



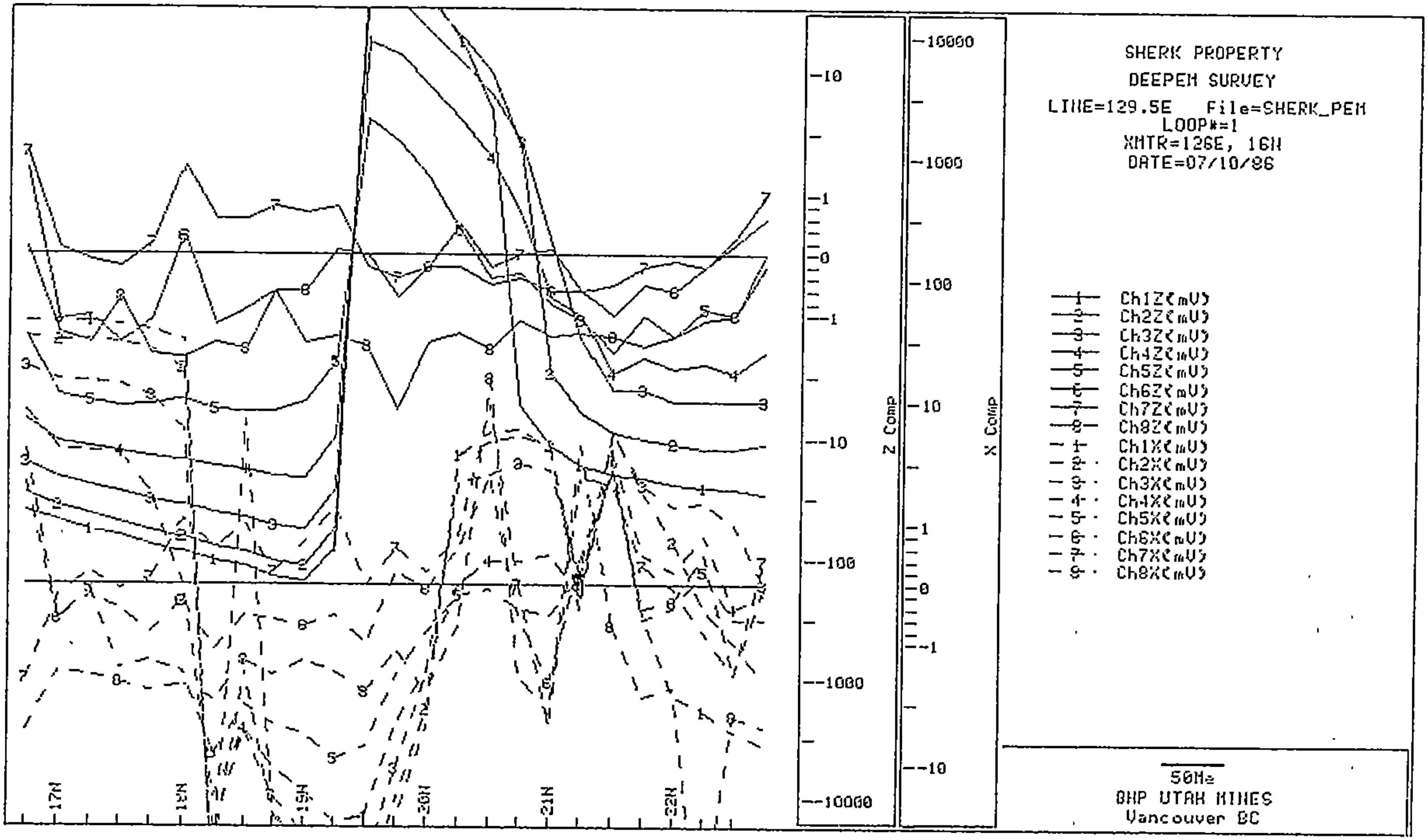
SHERK PROPERTY
DEEPEM SURVEY
LINE=130.5E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
50Ne
BHP UTAH MINES
Vancouver BC

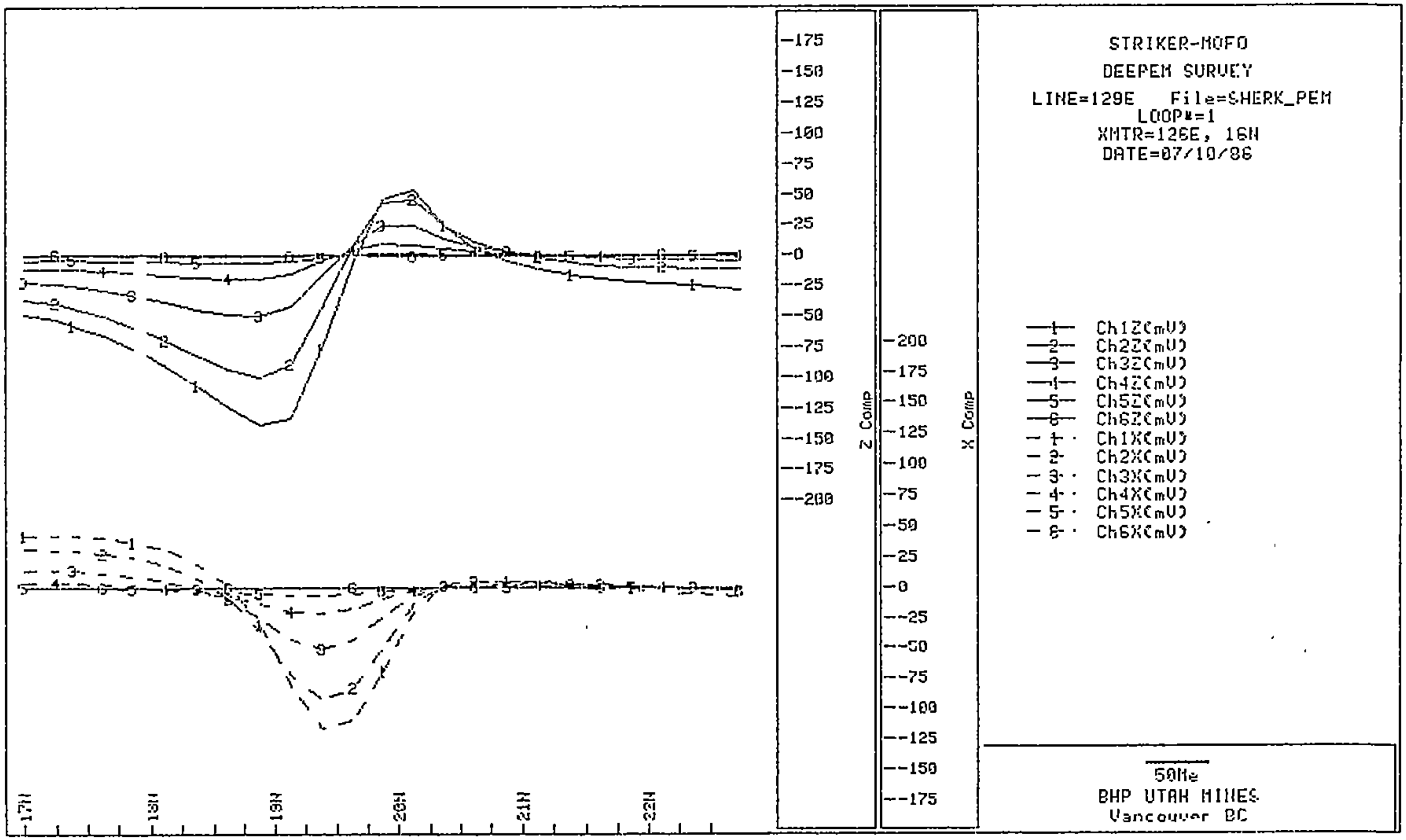

STRIKER-MOFO
DEEPEM SURVEY
LINE=130E File=SHERK_PCM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Z Comp
X Comp
18N
19N
20N
21N
22N
50M
BHP UTAH MINES
Vancouver BC


SHERK PROPERTY
DEEPEM SURVEY
LINE=130E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
50Me
BHP UTAH MINES
Vancouver BC
19N
20N
21N
22N

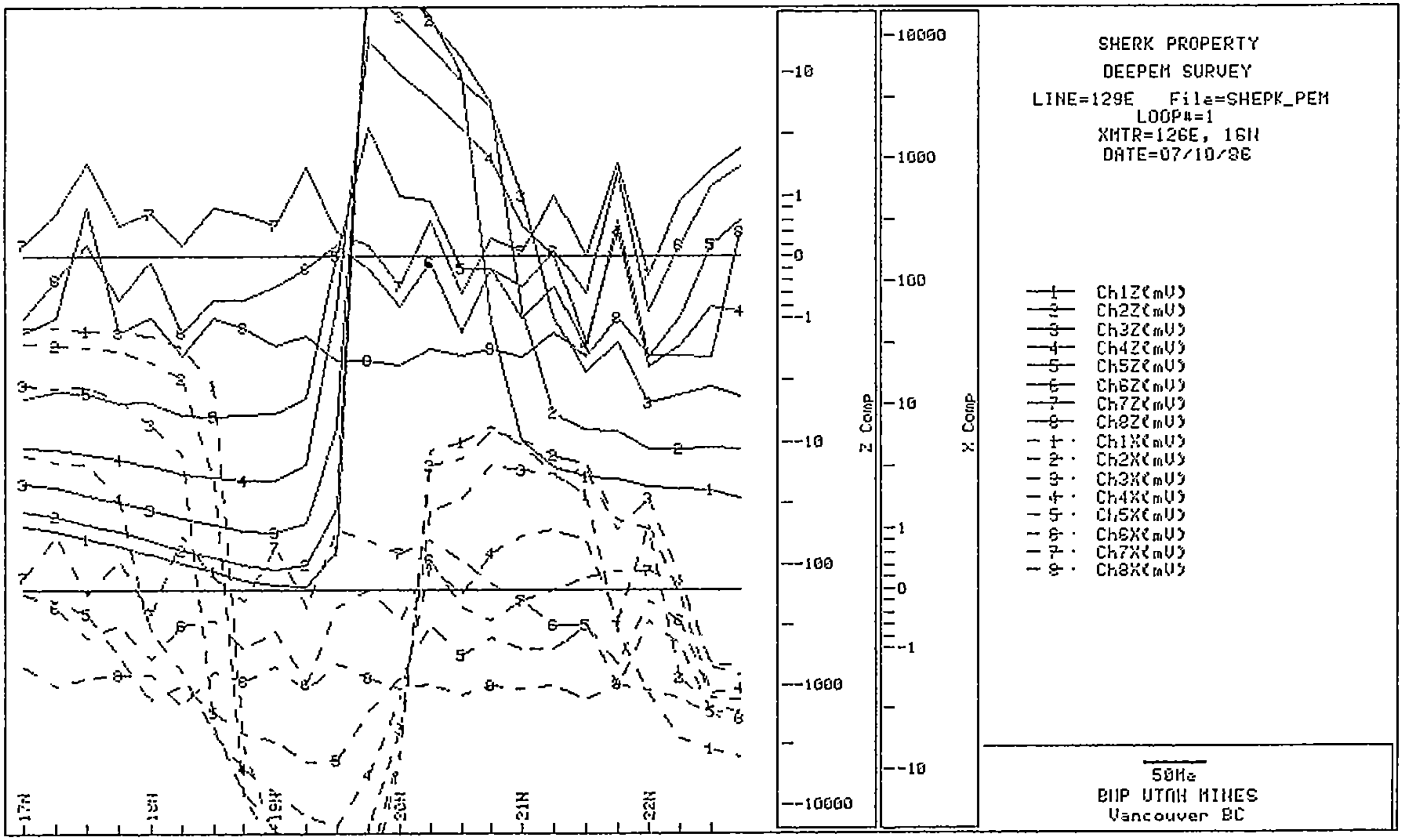


SHERK PROPERTY
DEEPEM SURVEY
LINE=129.5E File=SHEPK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Z Comp
X Comp
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
17N
18N
19N
20N
21N
22N
50Ms
BHP UTAH MINES
Vancouver BC

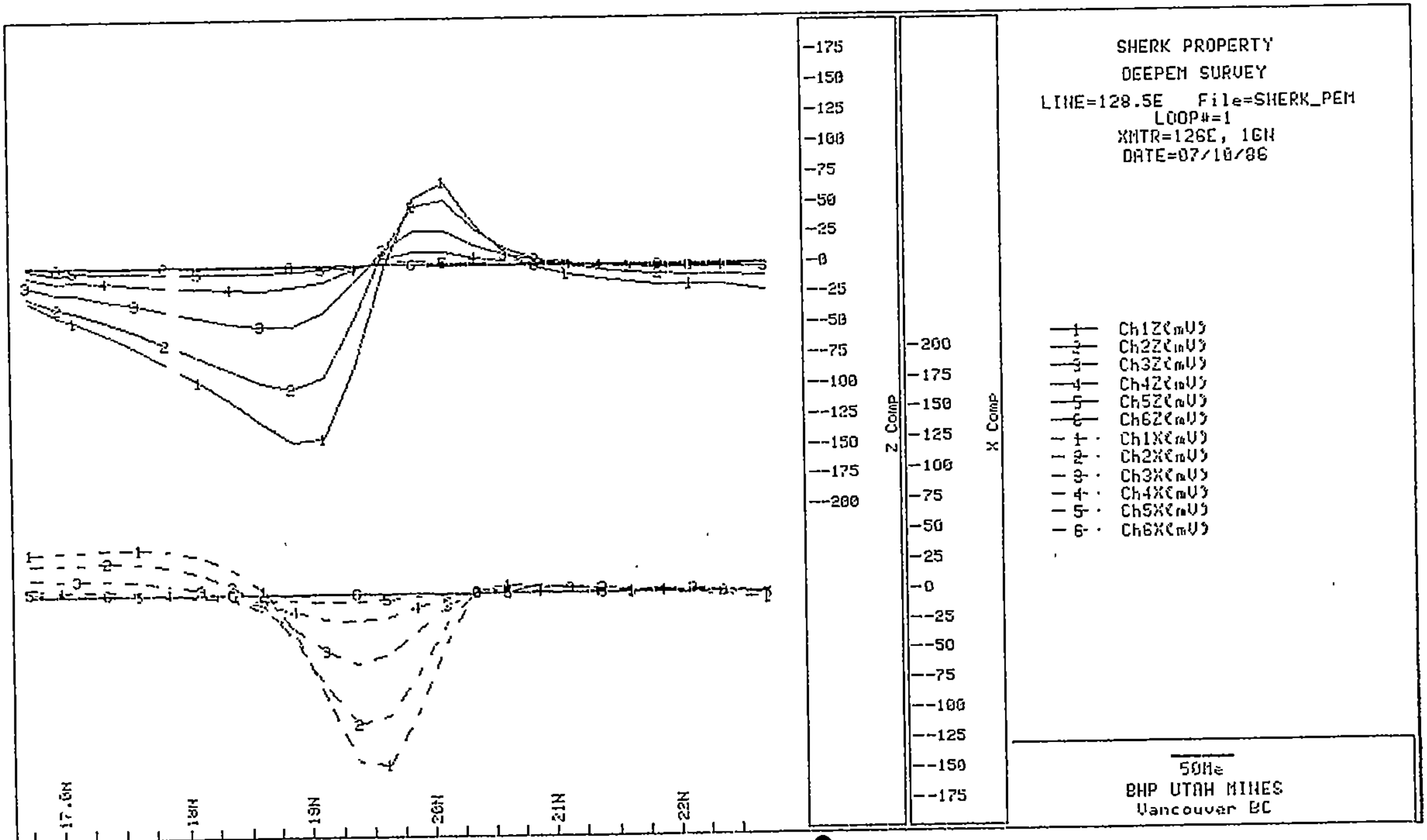

SHERK PROPERTY
DEEPEM SURVEY
LINE=129.5E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
50M=
BHP UTAH MINES
Vancouver BC



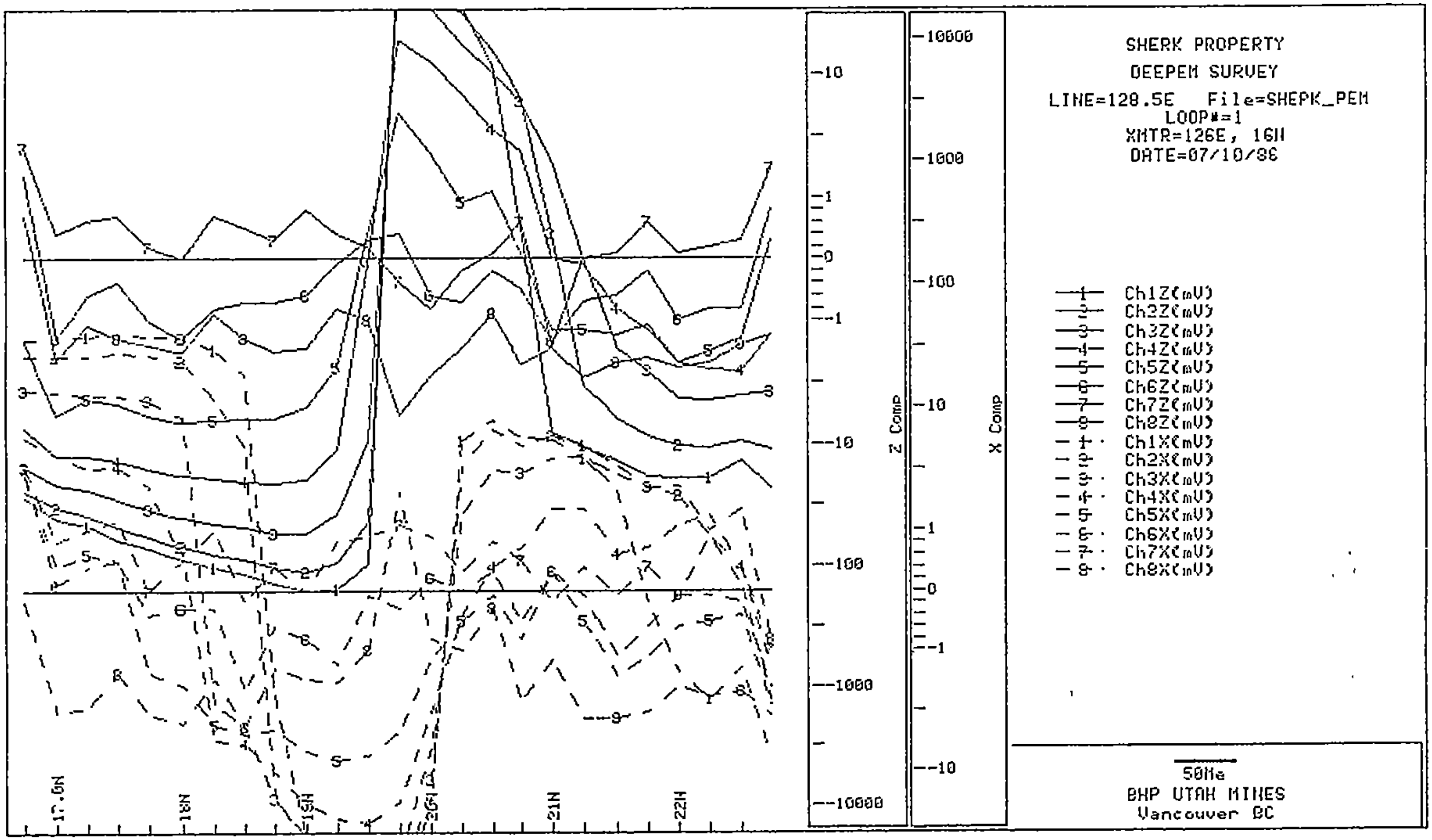
STRIKER-MOFO
DEEPEM SURVEY
LINE=129E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
50Me
BHP UTAH MINES
Vancouver BC

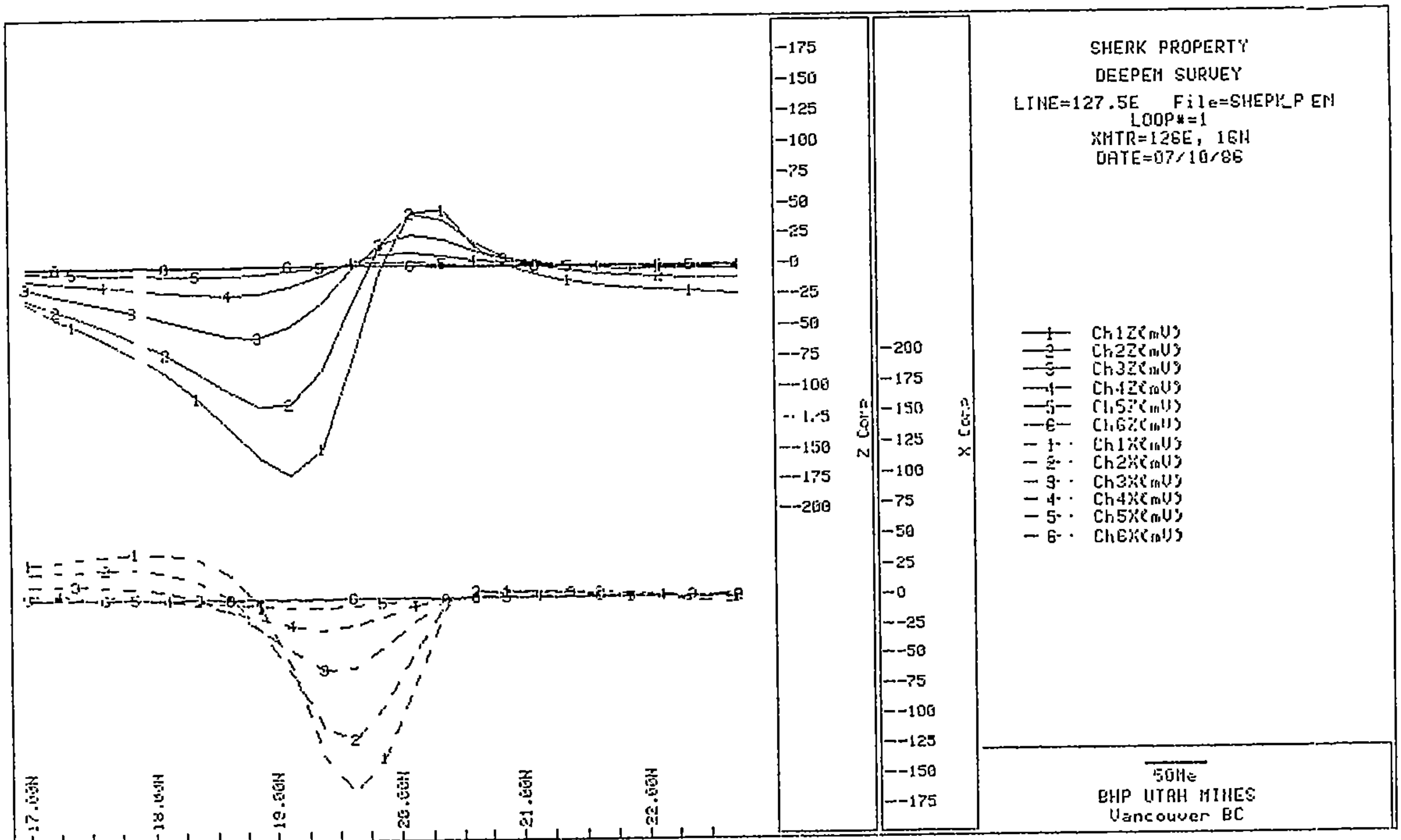


SHERK PROPERTY
DEEPEM SURVEY
LINE=129E File=SHEPK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
17N
18N
19N
20N
21N
22N
50Hz
BHP UTAH MINES
Vancouver BC

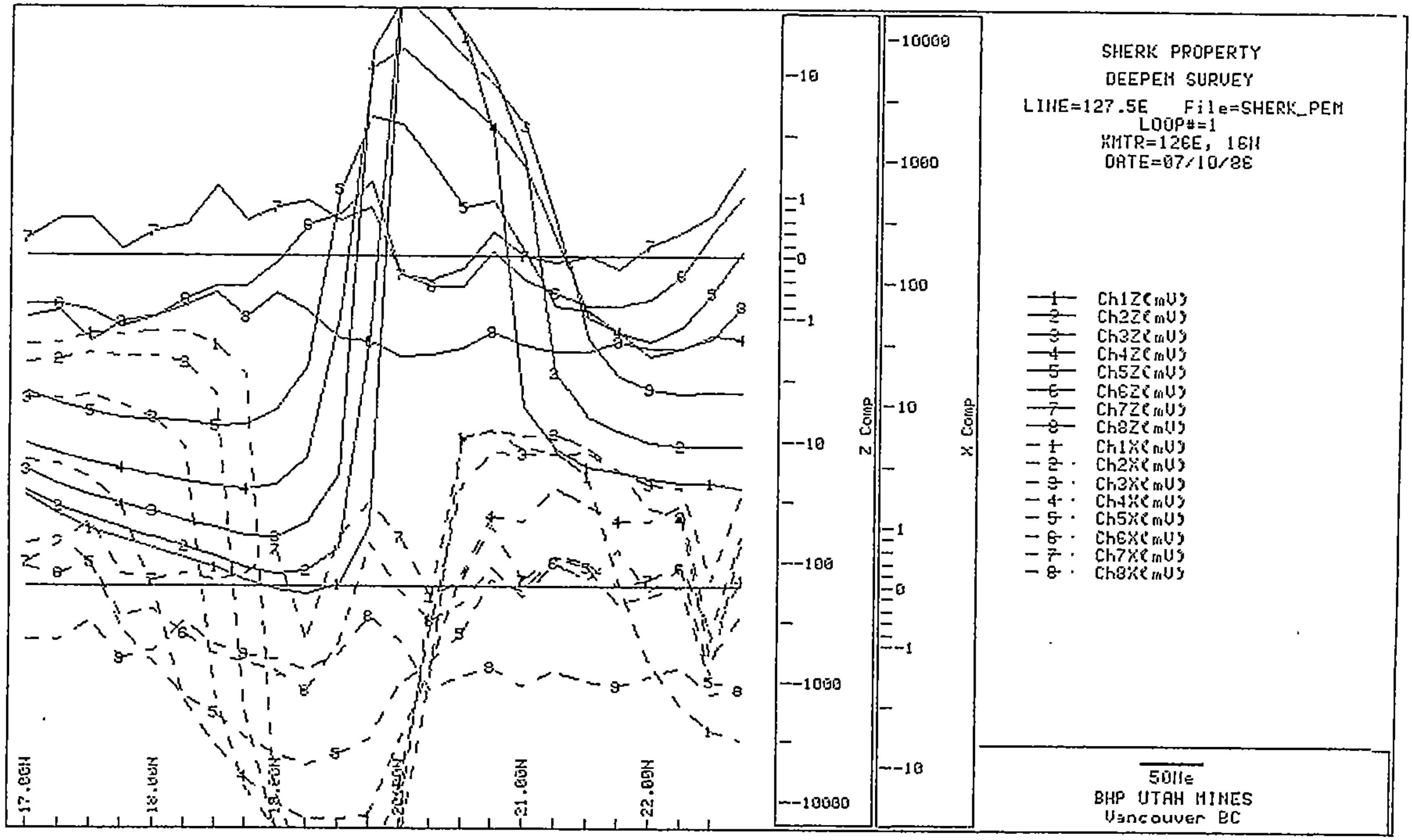

SHERK PROPERTY
DEEPEM SURVEY
LINE=128.5E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Z Comp
X Comp
50Hz
BHP UTAH MINES
Vancouver BC
17.5N
18N
19N
20N
21N
22N

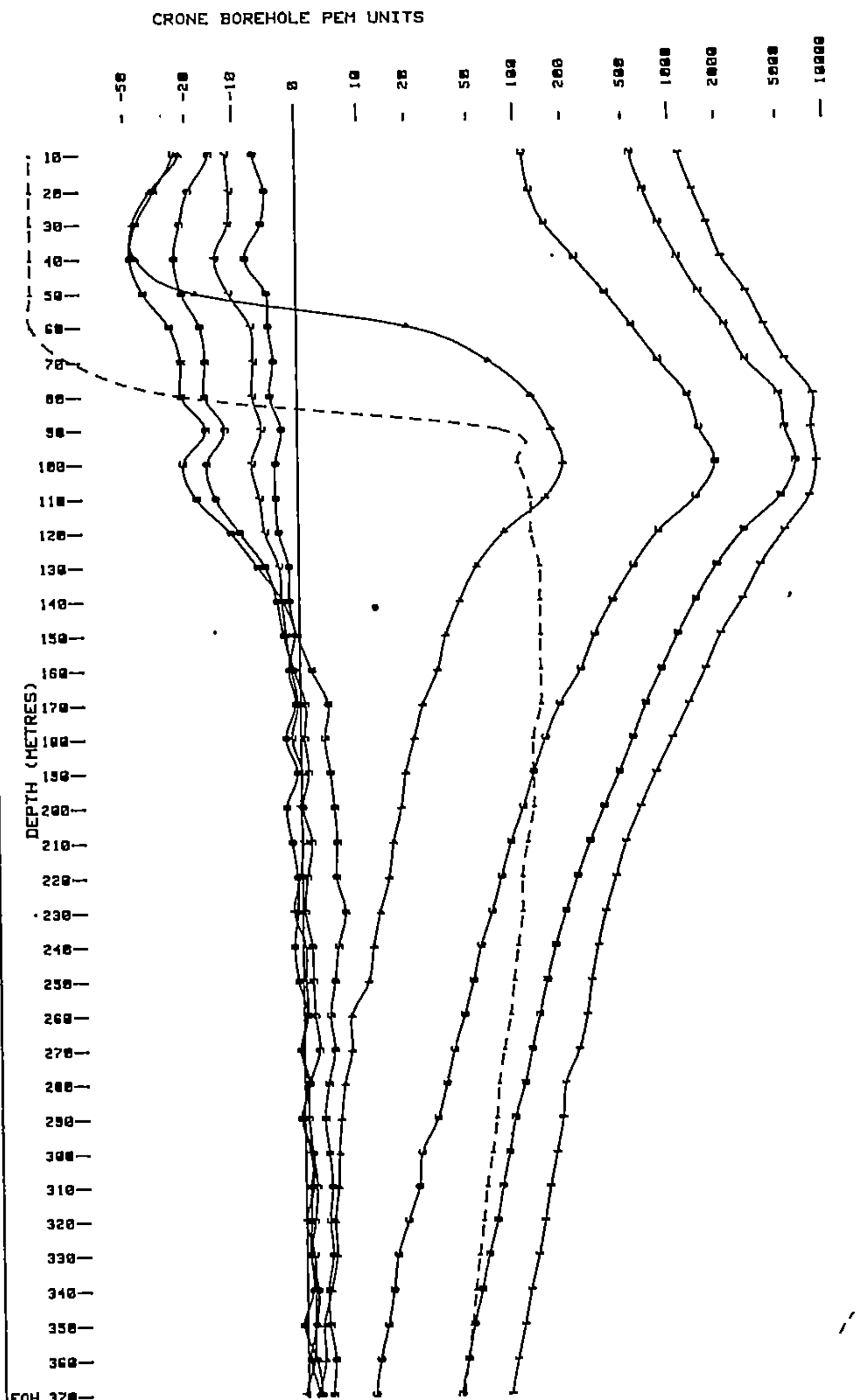
[redacted]


SHERK PROPERTY
DEEPEM SURVEY
LINE=128.5E File=SHEPK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
17.5N
18N
19N
20N
21N
22N
50M
BHP UTAH MINES
Vancouver BC


SHERK PROPERTY
DEEPEM SURVEY
LINE=127.5E File=SHEPK_P EN
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Z Comp
X Comp
50Mz
BHP UTAH MINES
Vancouver BC
17.00N
18.00N
19.00N
20.00N
21.00N
22.00N

LD1

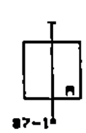

SHERK PROPERTY
DEEPEM SURVEY
LINE=127.5E File=SHERK_PEM
LOOP#=1
XMTR=126E, 16N
DATE=07/10/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
17.00N
18.00N
21.00N
22.00N
50Ne
BHP UTAH MINES
Vancouver BC



INSTRUMENT: CRONE PEM

TIME BASE: 10 MSEC

CONSTANT GAIN 100%



WHITE GEOPHYSICAL INC.

UTAH MINES LIMITED

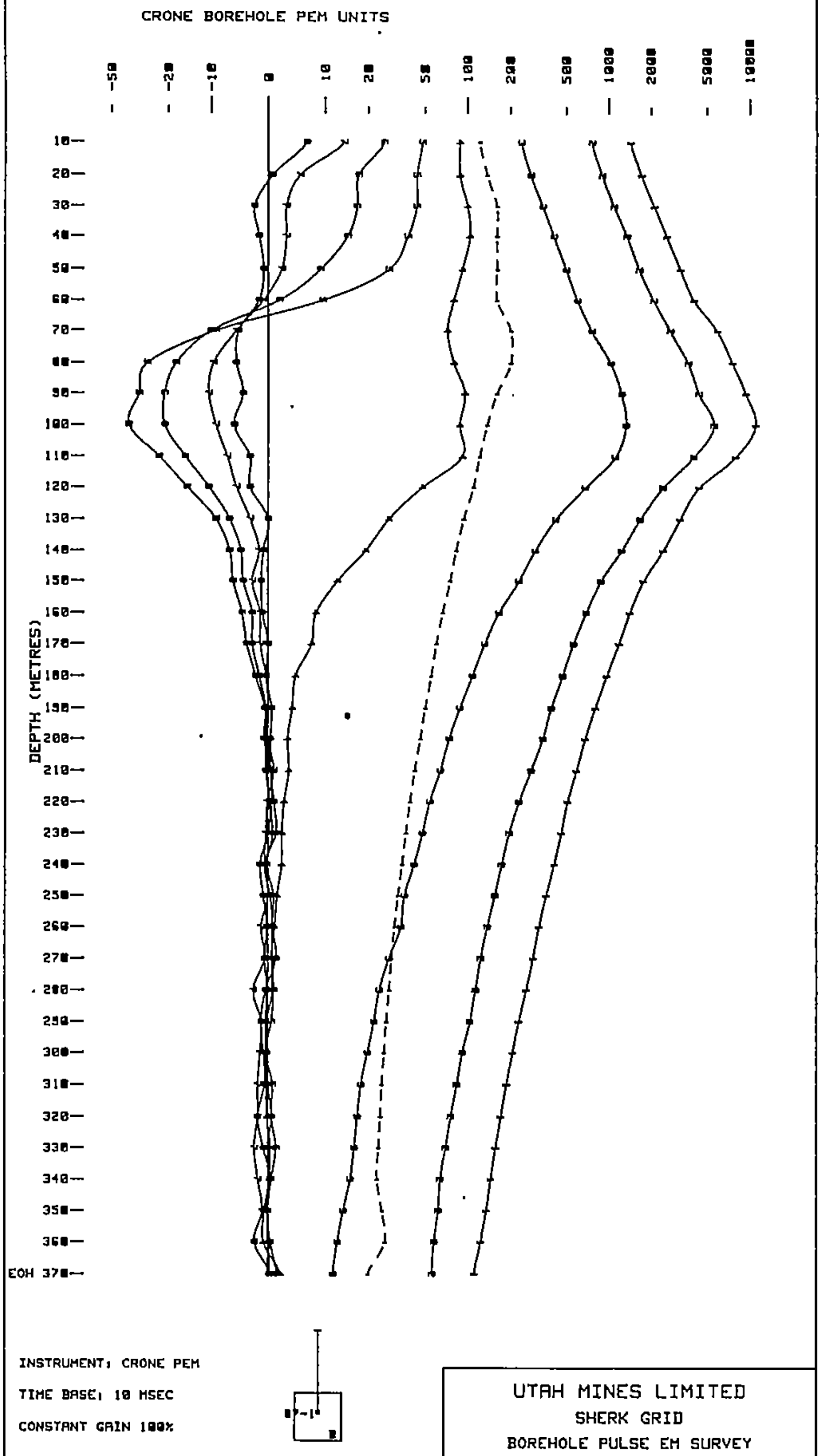
SHERK GRID

BOREHOLE PULSE EM SURVEY

DDH 87-1 LOOP A

DATE: JUNE/87

FIG: 6



INSTRUMENT: CRONE PEM

TIME BASE: 10 MSEC

CONSTANT GAIN 100%

WHITE GEOPHYSICAL INC.

UTAH MINES LIMITED

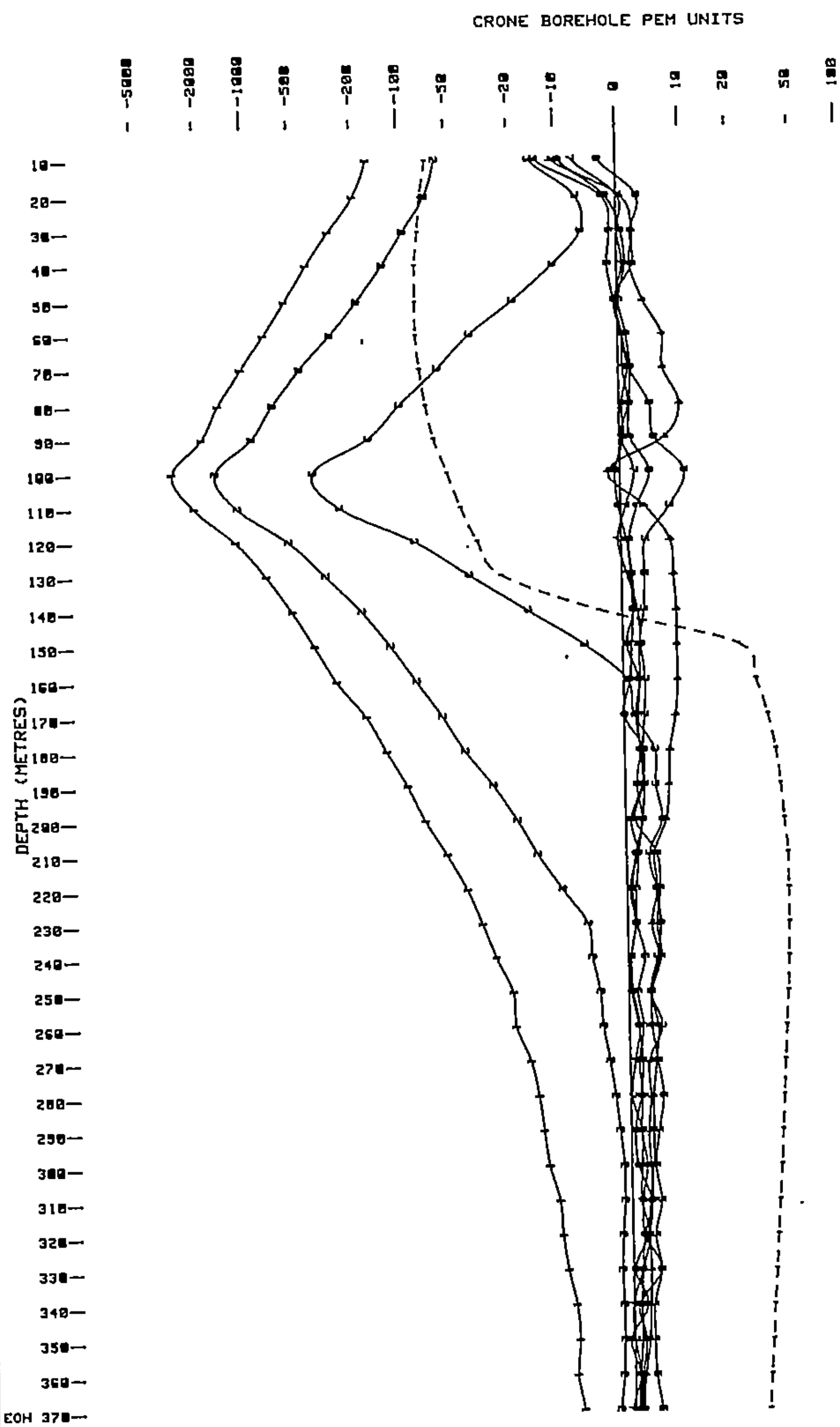
SHERK GRID

BOREHOLE PULSE EM SURVEY

DDH 87-1 LOOP B

DATE: JUNE/87

FIG: 7



INSTRUMENT: CRONE PEM

TIME BASE: 10 MSEC

CONSTANT GAIN 100%

87-1

C

UTAH MINES LIMITED

SHERK GRID

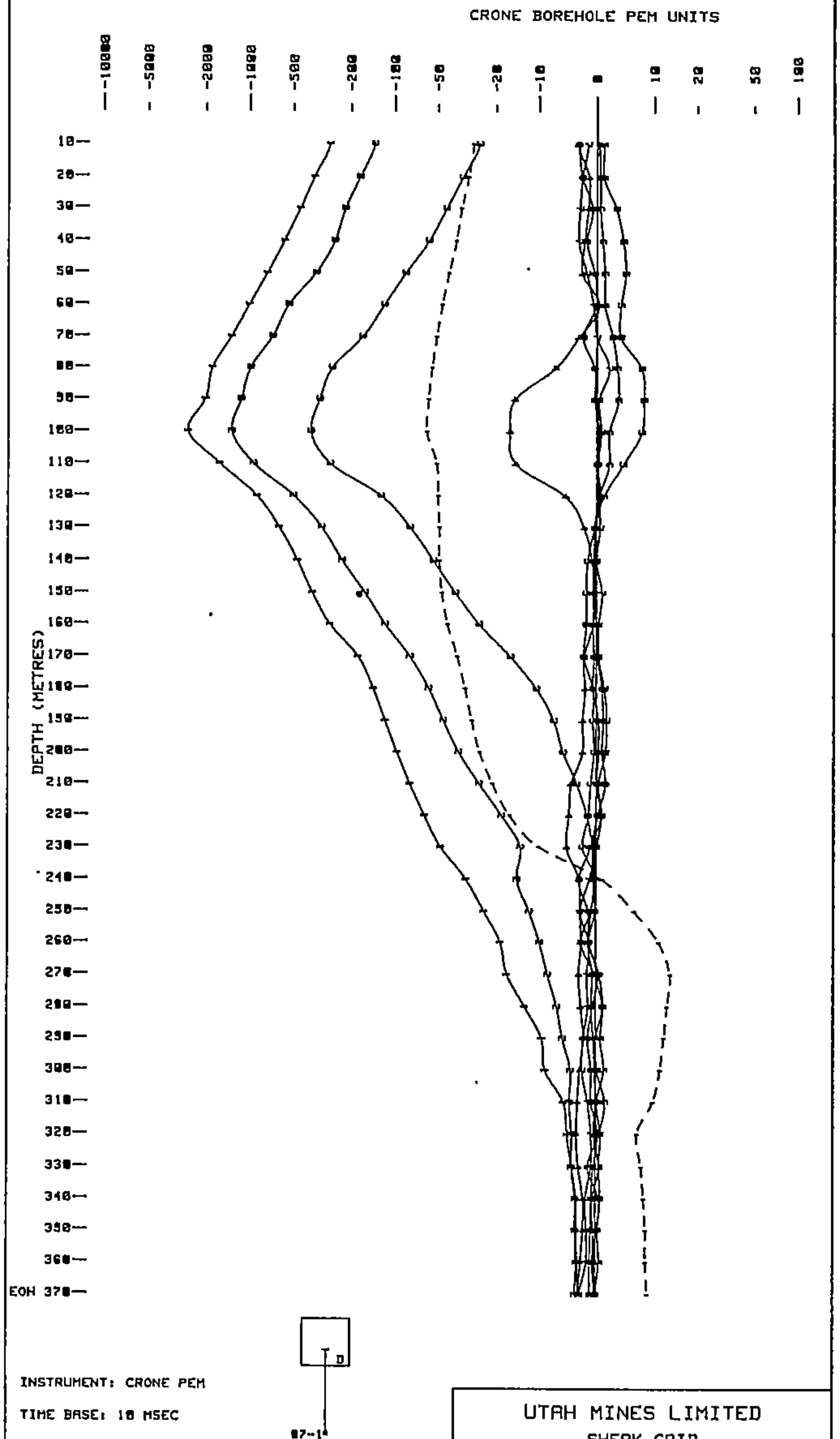
BOREHOLE PULSE EM SURVEY

DDH 87-1 LOOP C

WHITE GEOPHYSICAL INC.

DATE: JUNE/87

FIG: 8



INSTRUMENT: CRONE PEM

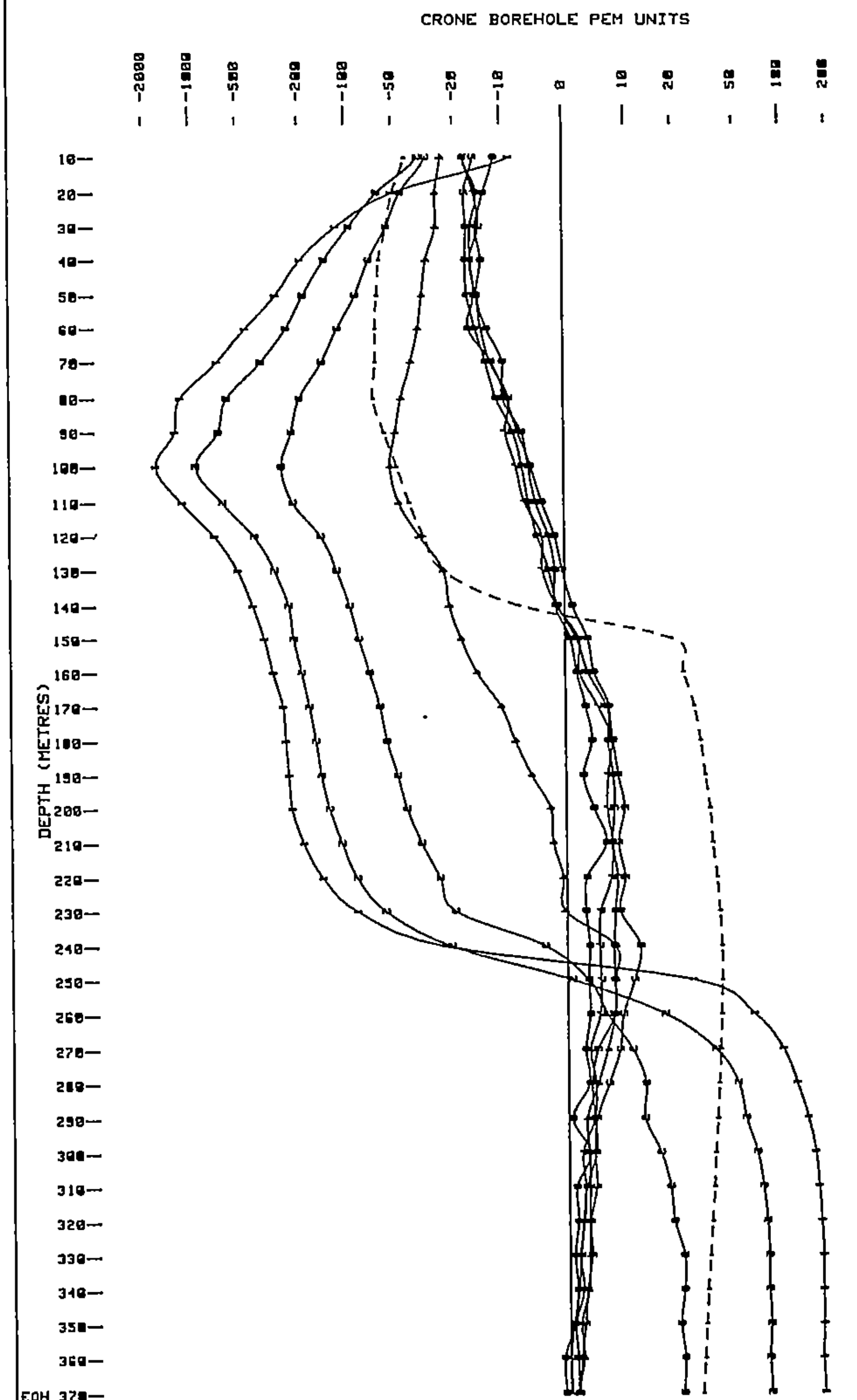
TIME BASE: 10 MSEC

CONSTANT GAIN 100%

WHITE GEOPHYSICAL INC.

UTAH MINES LIMITED
SHERK GRID
BOREHOLE PULSE EM SURVEY
DDH 87-1 LOOP D

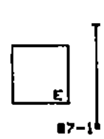
DATE: JUNE/87 | FIG: 9



INSTRUMENT: CRONE PEM

TIME BASE: 10 MSEC

CONSTANT GAIN 100%



UTAH MINES LIMITED

SHERK GRID

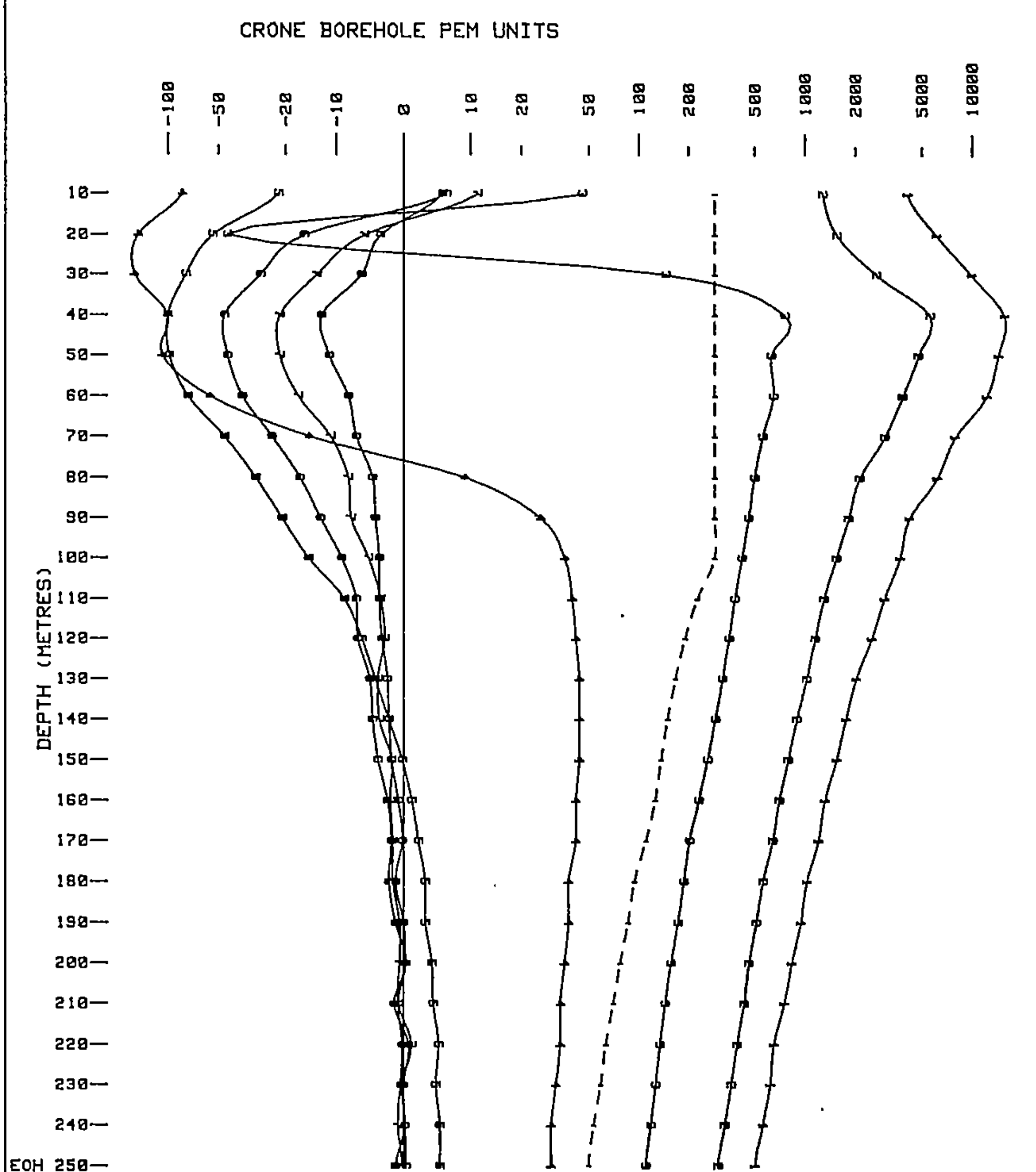
BOREHOLE PULSE EM SURVEY

DDH 87-1 LOOP E

WHITE GEOPHYSICAL INC.

DATE: JUNE/87

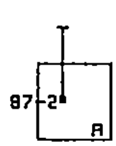
FIG: 10



INSTRUMENT: CRONE PEM

TIME BASE: 10 MSEC

CONSTANT GAIN 100%



WHITE GEOPHYSICAL INC.

UTAH MINES LIMITED

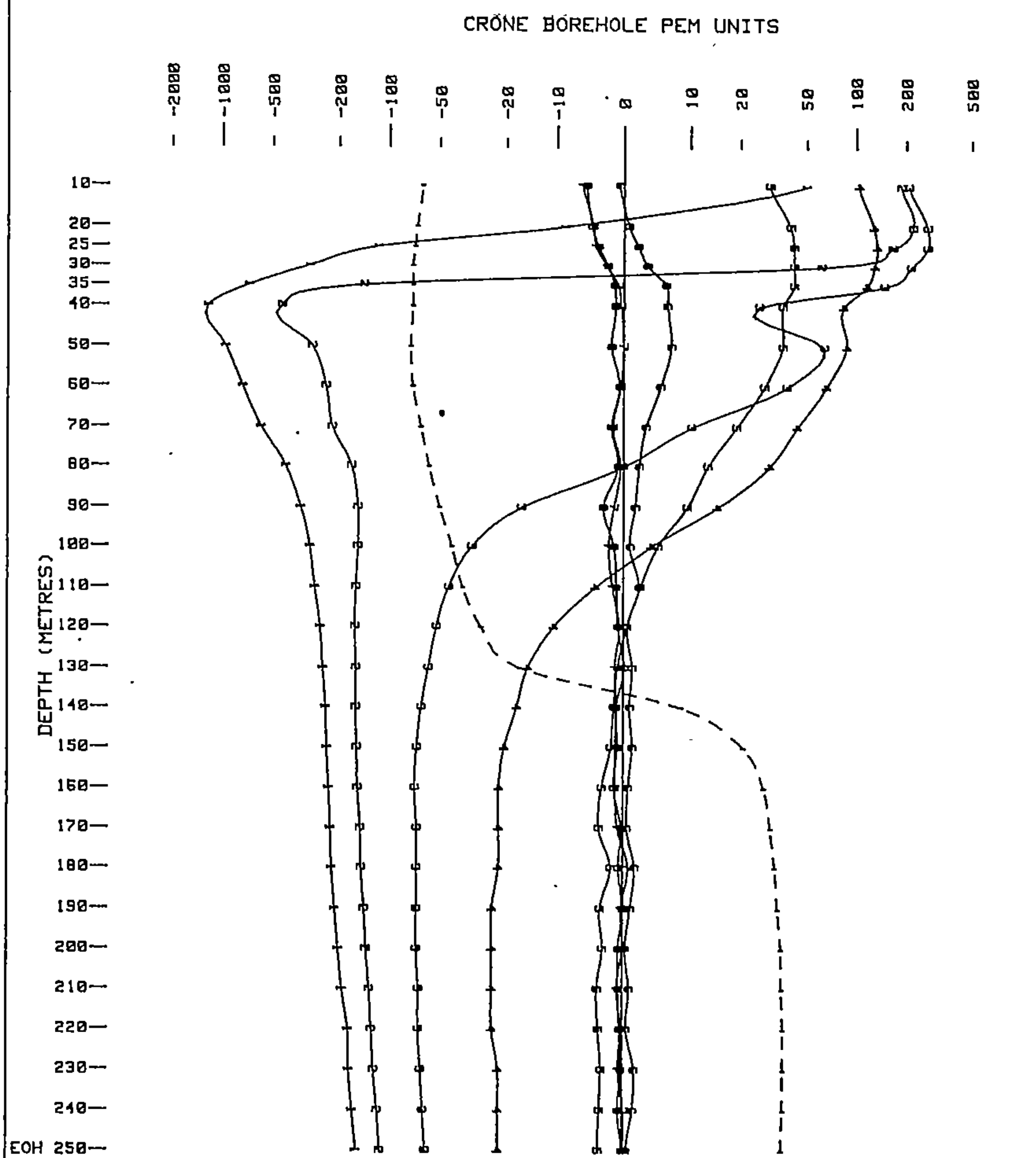
SHERK GRID

BOREHOLE PULSE EM SURVEY

DDH 87-2 LOOP A

DATE: JUNE/87

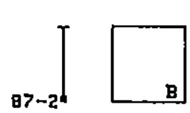
FIG: 14



INSTRUMENT: CRONE PEM

TIME BASE: 10 MSEC

CONSTANT GAIN 100%



UTAH MINES LIMITED

SHERK GRID

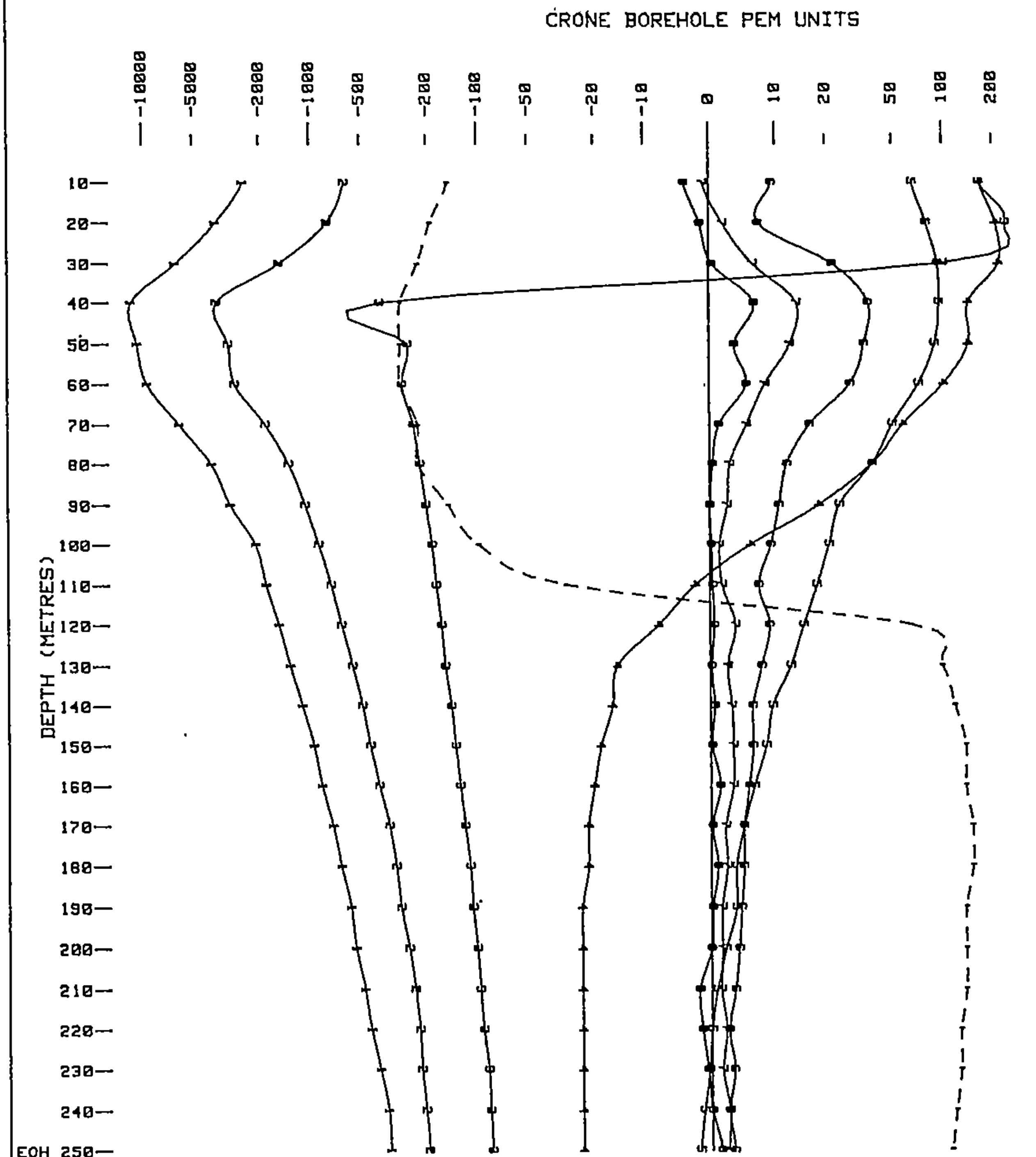
BOREHOLE PULSE EM SURVEY

DDH 87-2 LOOP B

WHITE GEOPHYSICAL INC.

DATE: JUNE/87

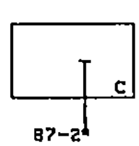
FIG: 15



INSTRUMENT: CRONE PEM

TIME BASE: 10 MSEC

CONSTANT GAIN 100%



WHITE GEOPHYSICAL INC.

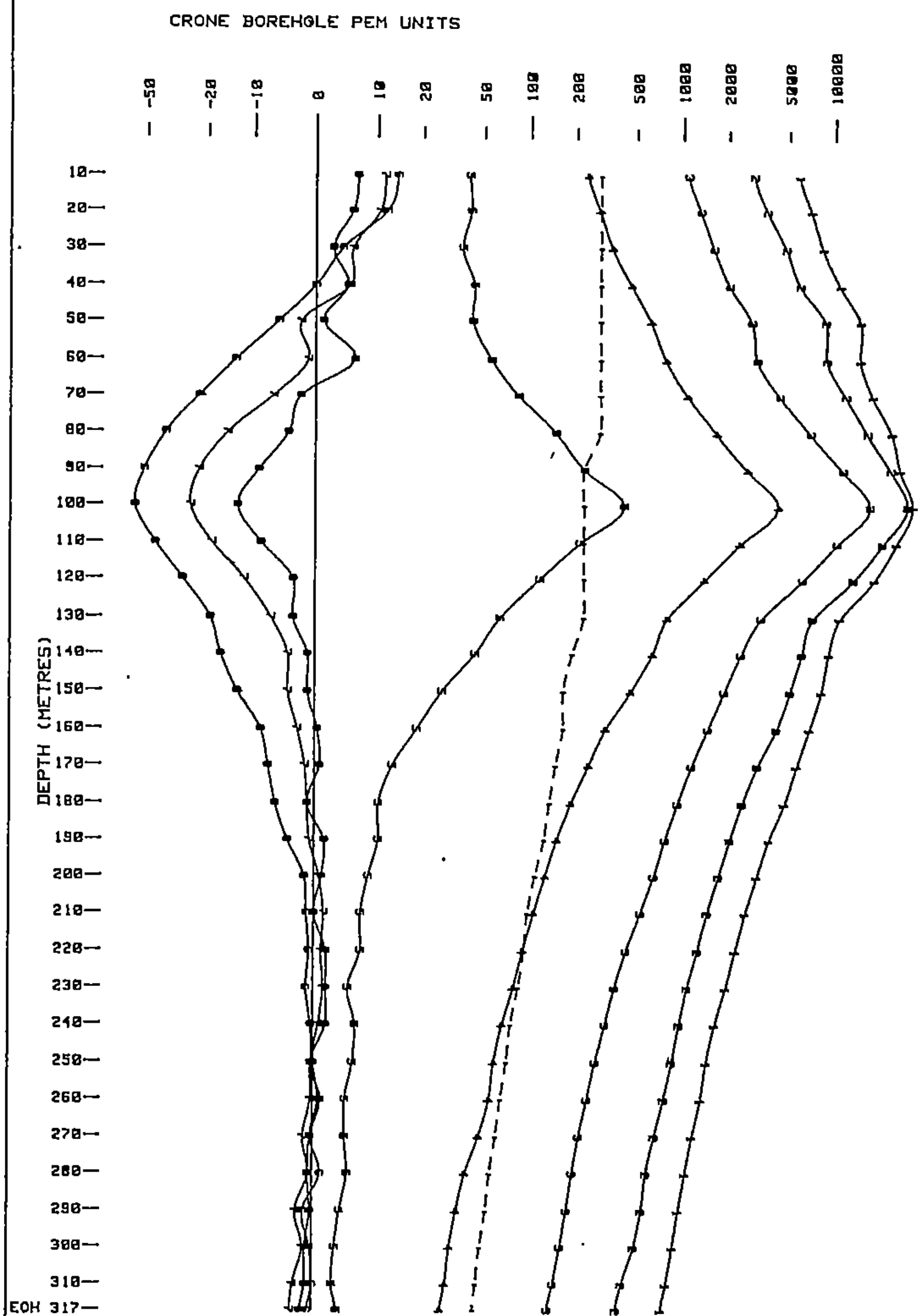
UTAH MINES LIMITED

SHERK GRID

BOREHOLE PULSE EM SURVEY

DDH 87-2 LOOP C

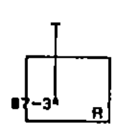
DATE: JUNE/87	FIG: 16



INSTRUMENT: CRONE PEM

TIME BASE: 10 MSEC

CONSTANT GAIN 100%

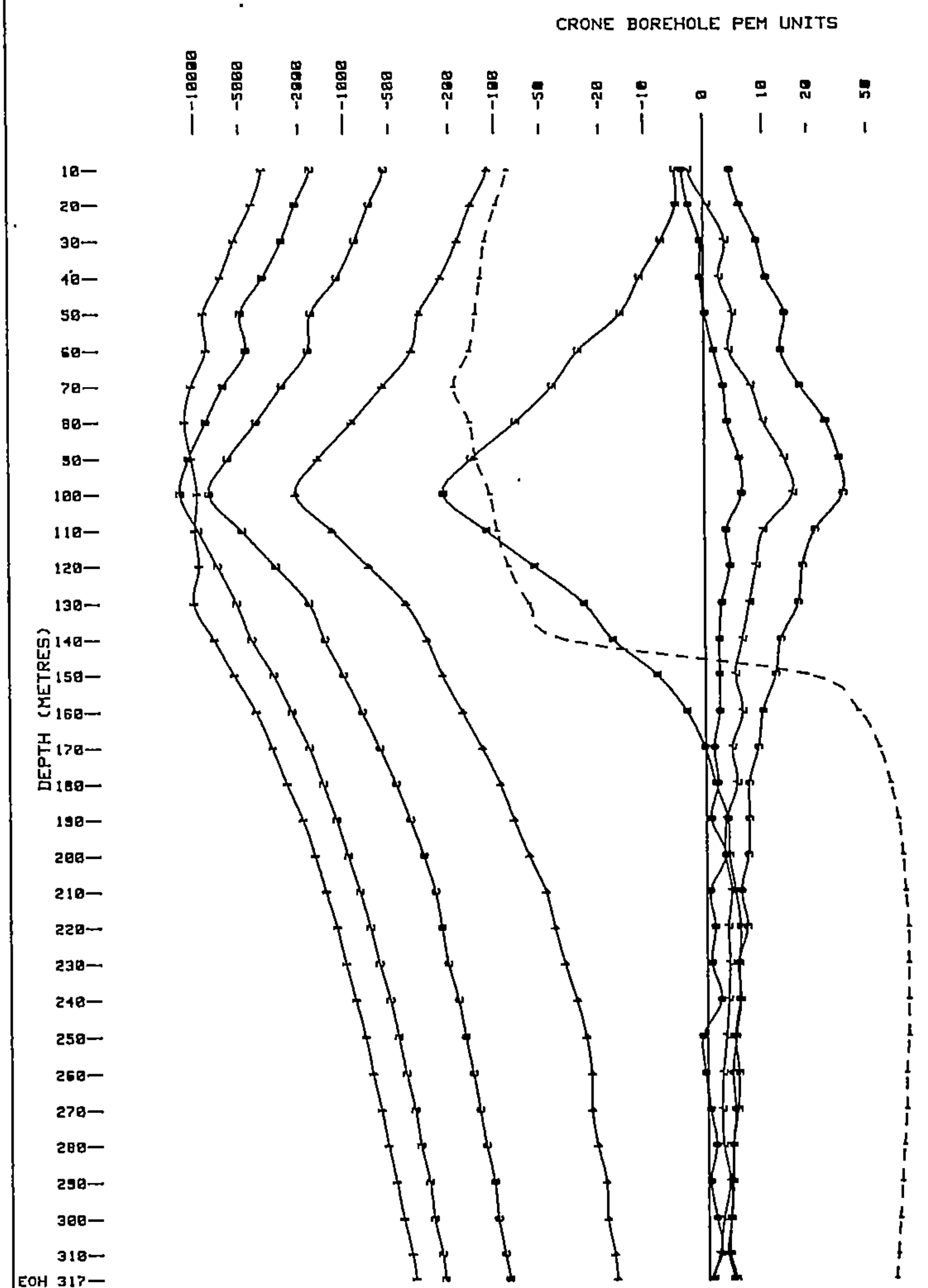


WHITE GEOPHYSICAL INC.

UTAH MINES LIMITED
SHERK GRID
BOREHOLE PULSE EM SURVEY
DDH 87-3 LOOP A

DATE: JUNE/87

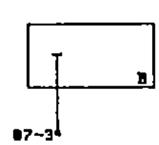
FIG: 11



INSTRUMENT: CRONE PEM

TIME BASE: 10 MSEC

CONSTANT GAIN 100%



UTAH MINES LIMITED

SHERK GRID

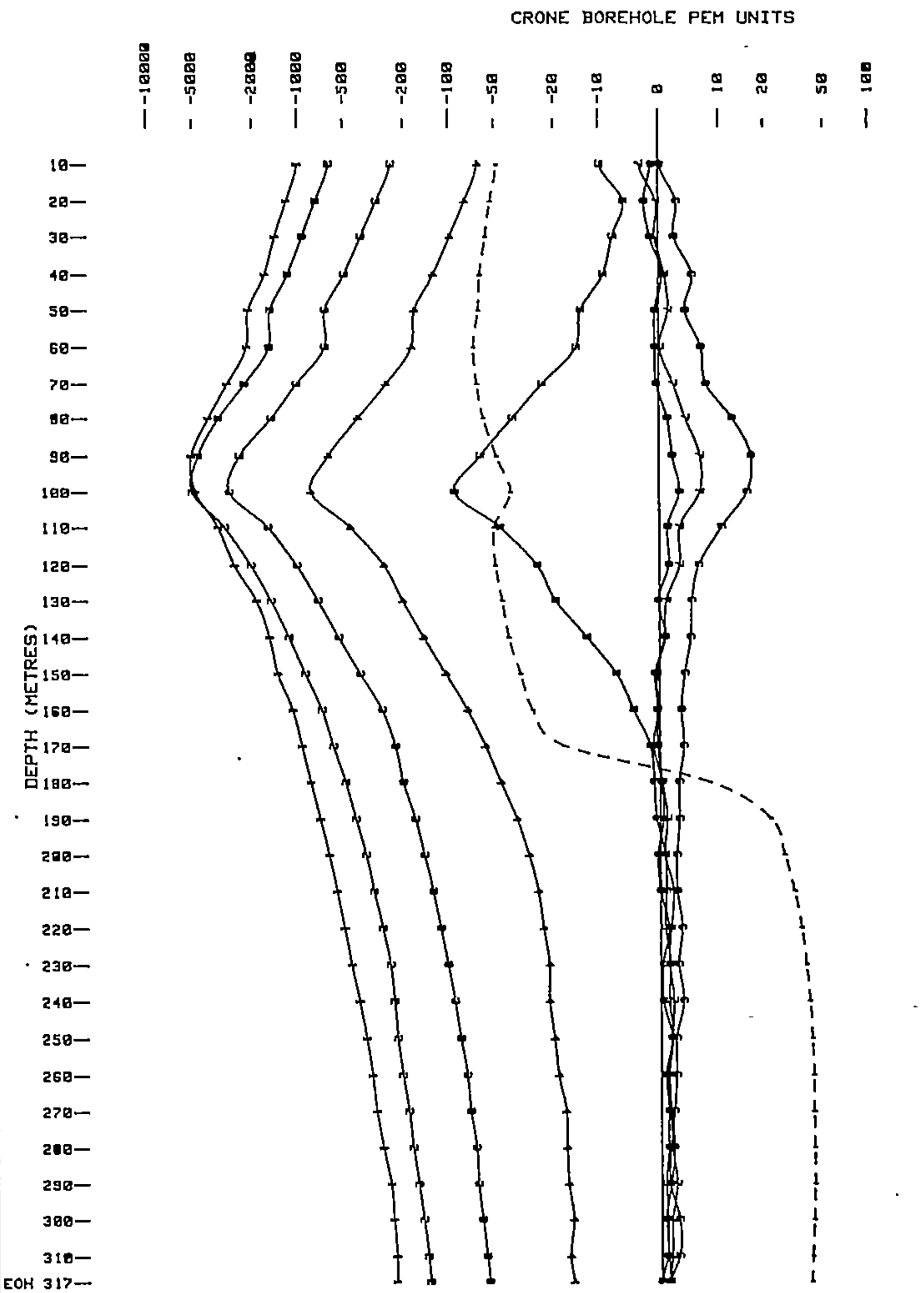
BOREHOLE PULSE EM SURVEY

DDH 87-3 LOOP B

WHITE GEOPHYSICAL INC.

DATE: JUNE/87

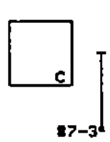
FIG: 12



INSTRUMENT: CRONE PEM

TIME BASE: 10 MSEC

CONSTANT GAIN 100%

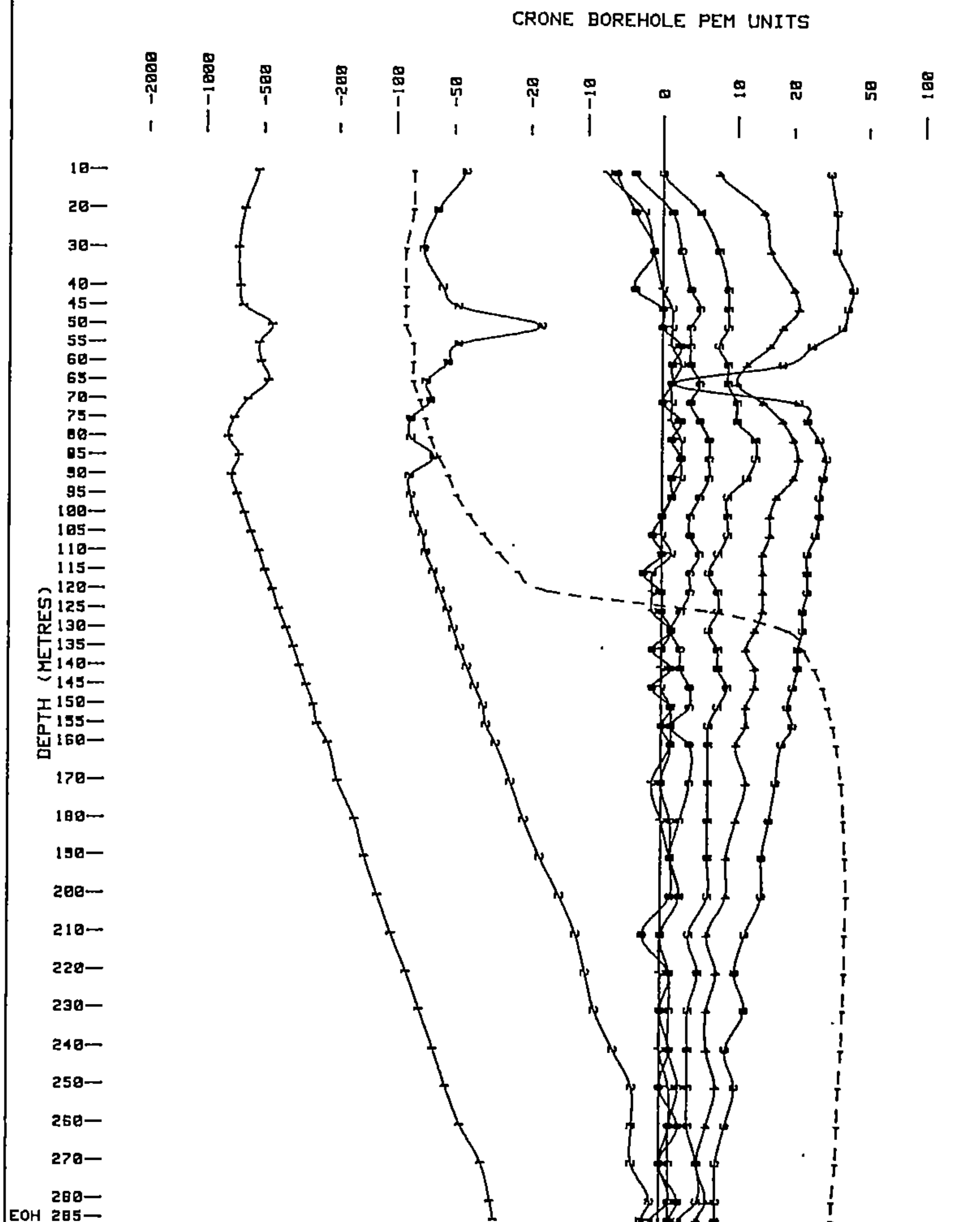


UTAH MINES LIMITED
SHERK GRID
BOREHOLE PULSE EM SURVEY
DDH 87-3 LOOP C

WHITE GEOPHYSICAL INC.

DATE: JUNE/87

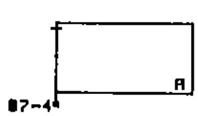
FIG: 13



INSTRUMENT: CRONE PEM

TIME BASE: 10 MSEC

CONSTANT GAIN 100%



WHITE GEOPHYSICAL INC.

UTAH MINES LIMITED

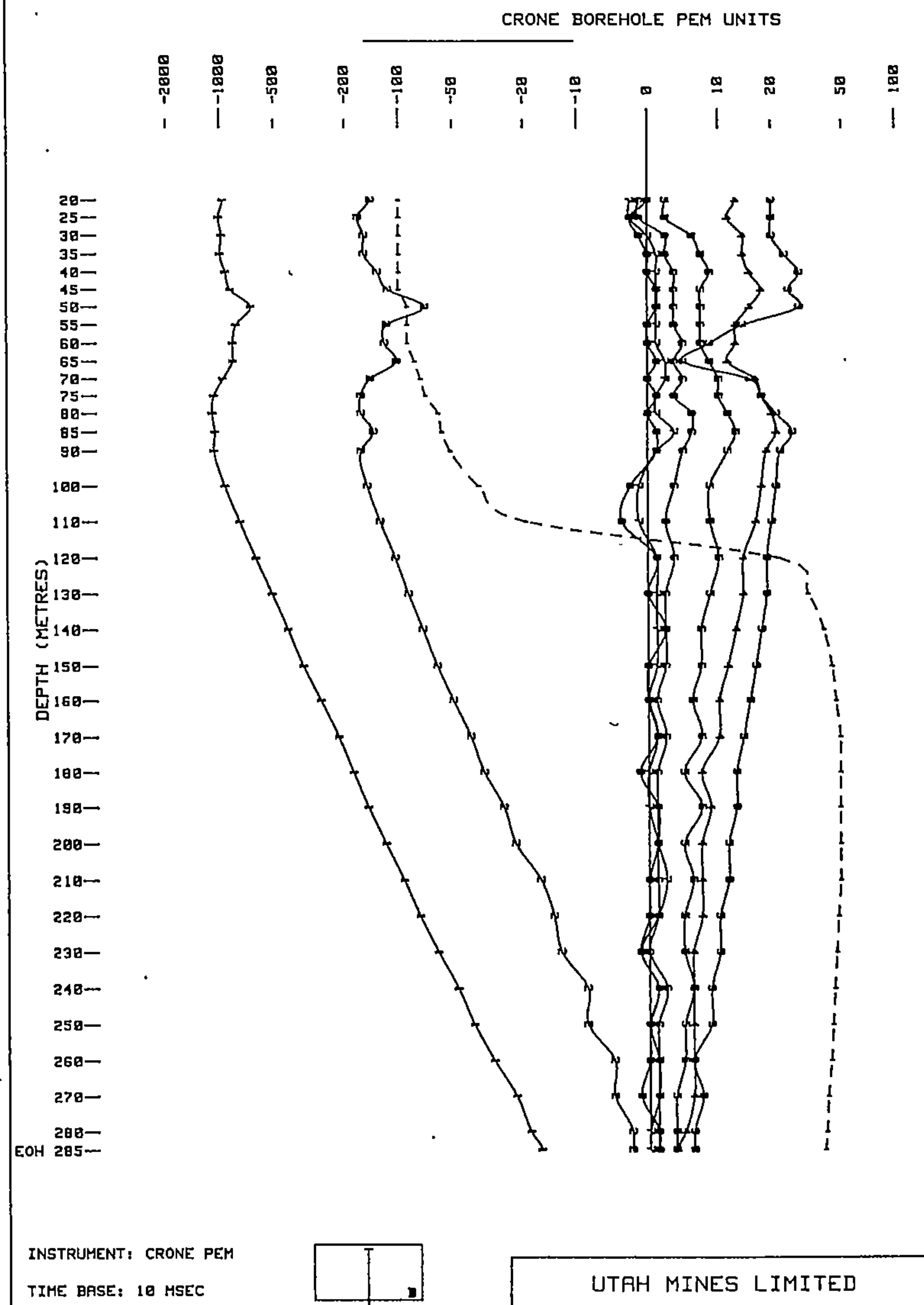
SHERK GRID

BOREHOLE PULSE EM SURVEY

DDH 87-4 LOOP A

DATE: JUNE/87

FIG: 2



INSTRUMENT: CRONE PEM

TIME BASE: 10 MSEC

CONSTANT GAIN 100%

WHITE GEOPHYSICAL INC.

UTAH MINES LIMITED

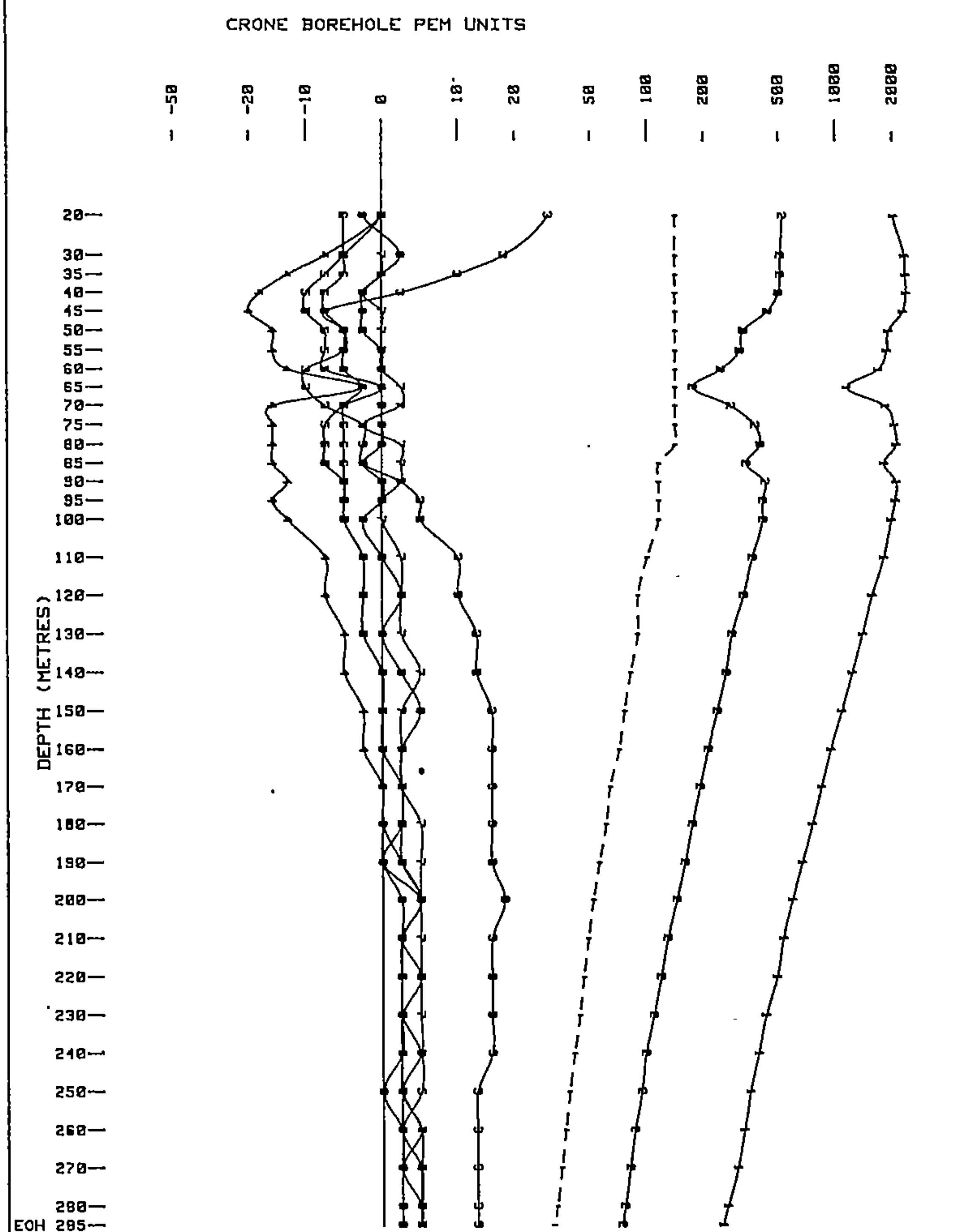
SHERK GRID

BOREHOLE PULSE EM SURVEY

DDH 87-4 LOOP B

DATE: JUNE/87

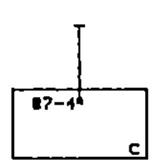
FIG: 3



INSTRUMENT: CRONE PEM

TIME BASE: 10 MSEC

CONSTANT GAIN 100%



WHITE GEOPHYSICAL INC.

UTAH MINES LIMITED

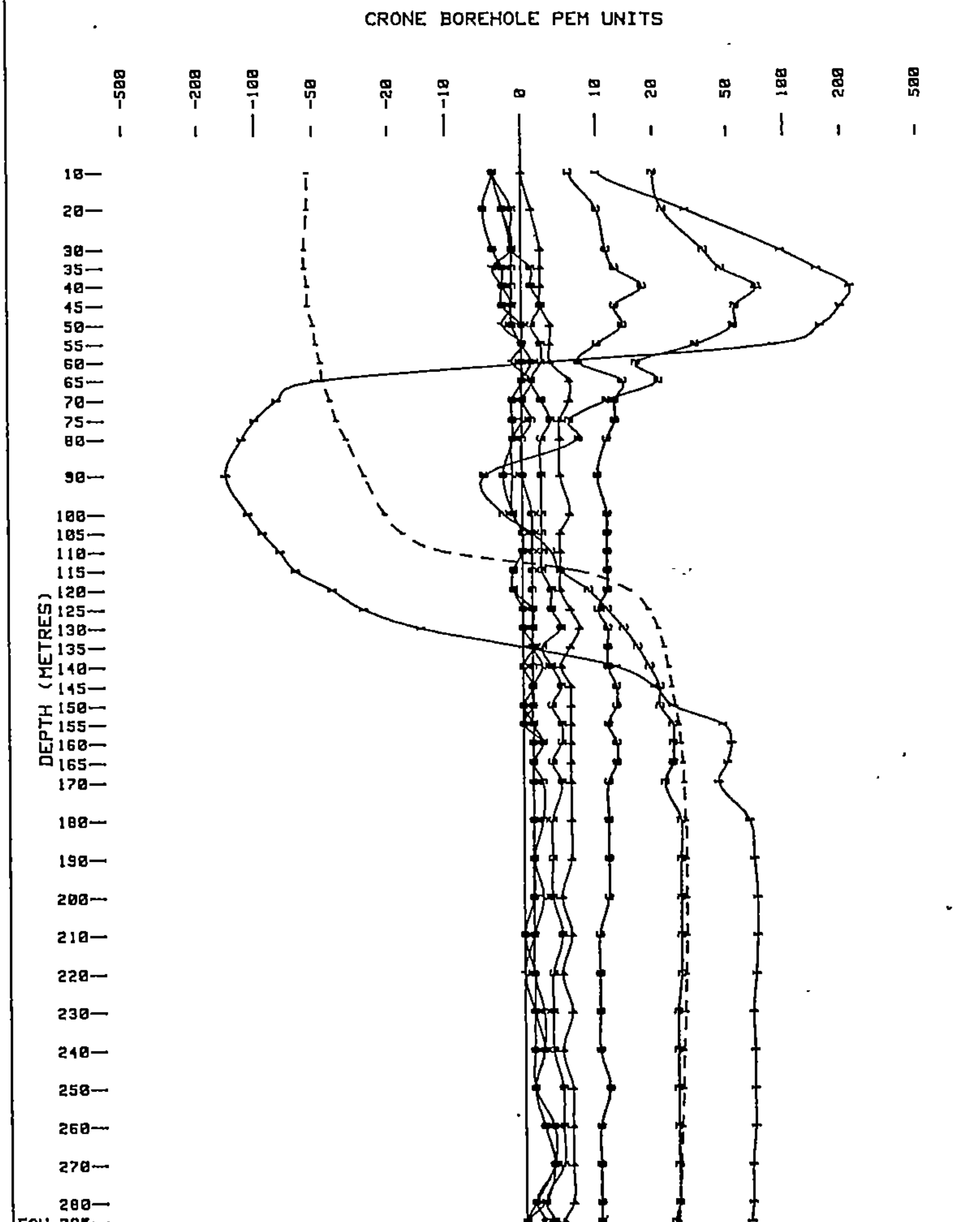
SHERK GRID

BOREHOLE PULSE EM SURVEY

DDH 87-4 LOOP C

DATE: JUNE/87

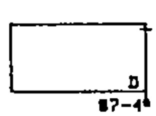
FIG: 4



INSTRUMENT: CRONE PEM

TIME BASE: 10 MSEC

CONSTANT GAIN 100%



WHITE GEOPHYSICAL INC.

UTAH MINES LIMITED

SHERK GRID

BOREHOLE PULSE EM SURVEY

DDH 87-4 LOOP D

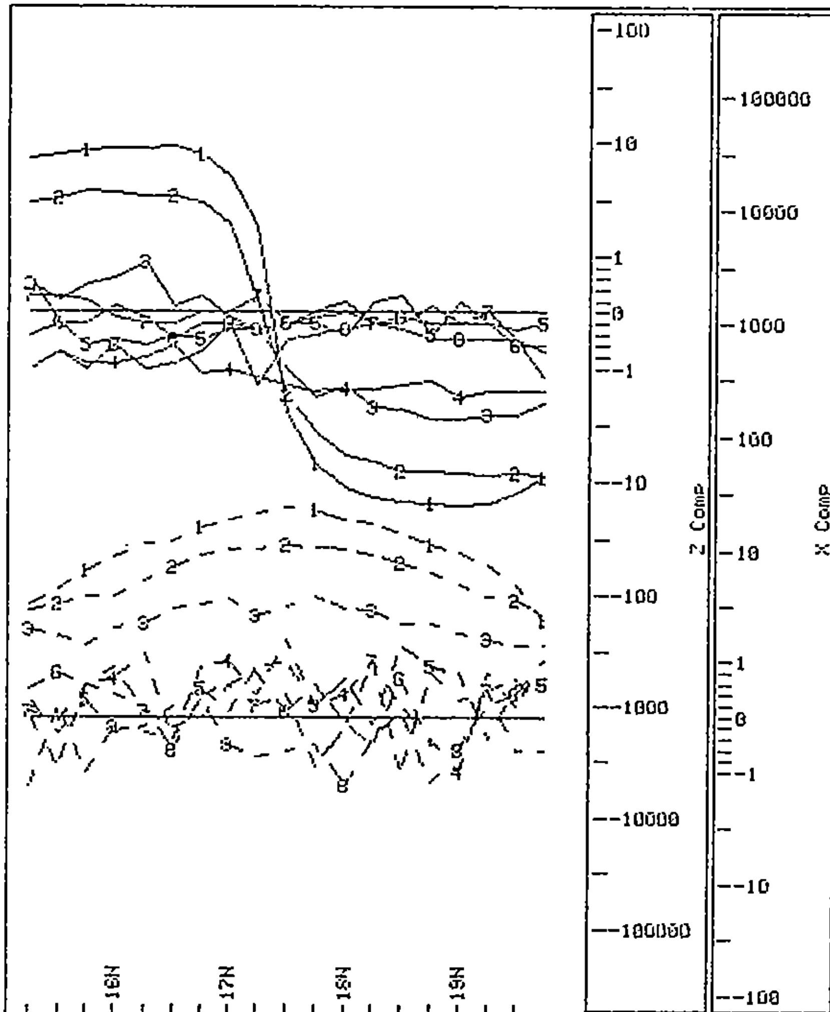
DATE: JUNE/87	FIG: 5

APPENDIX E

Pulse EM Survey Data - Mofo Grid

Conductor Location

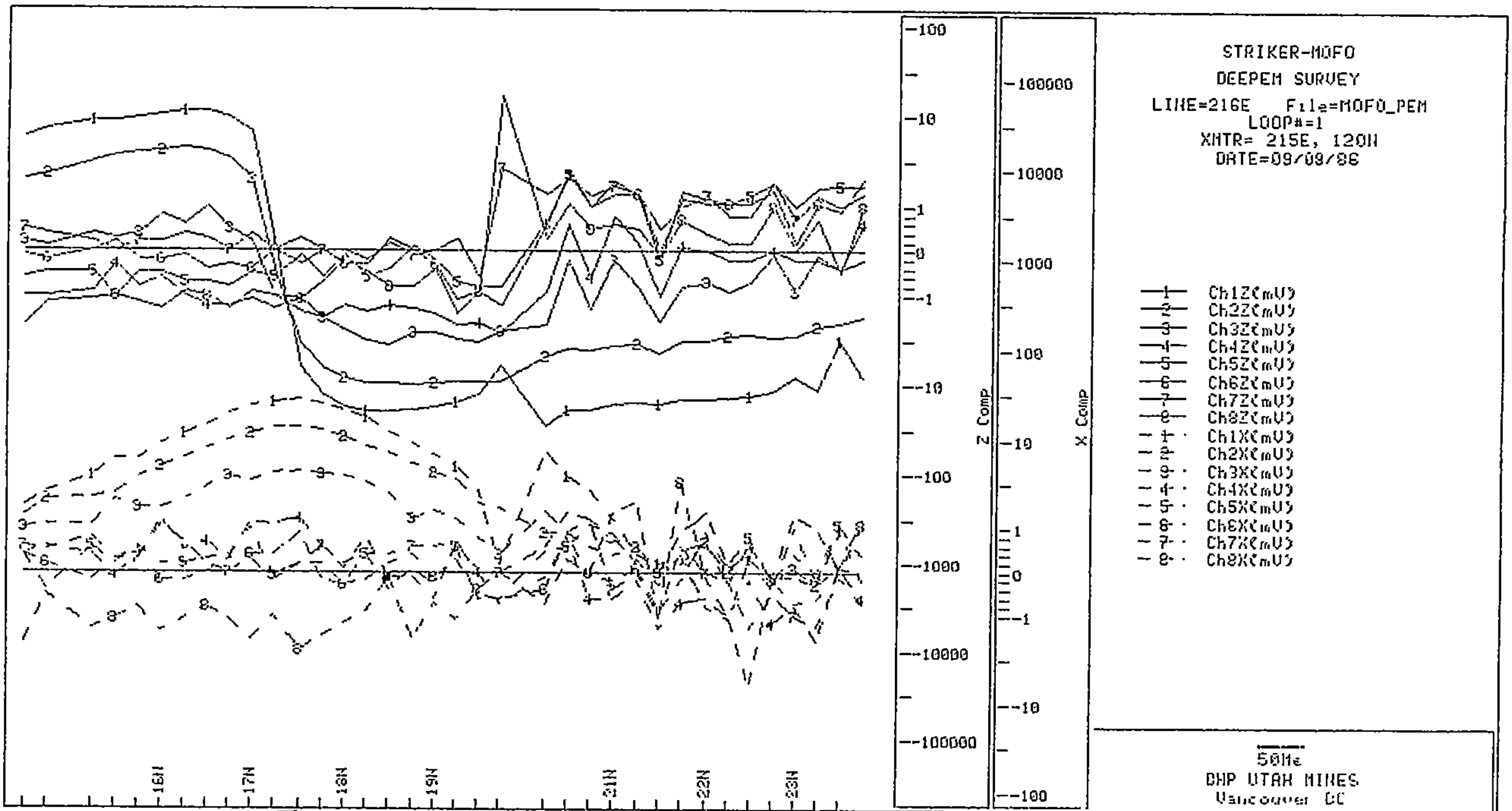
● PEM Loop Edge Location



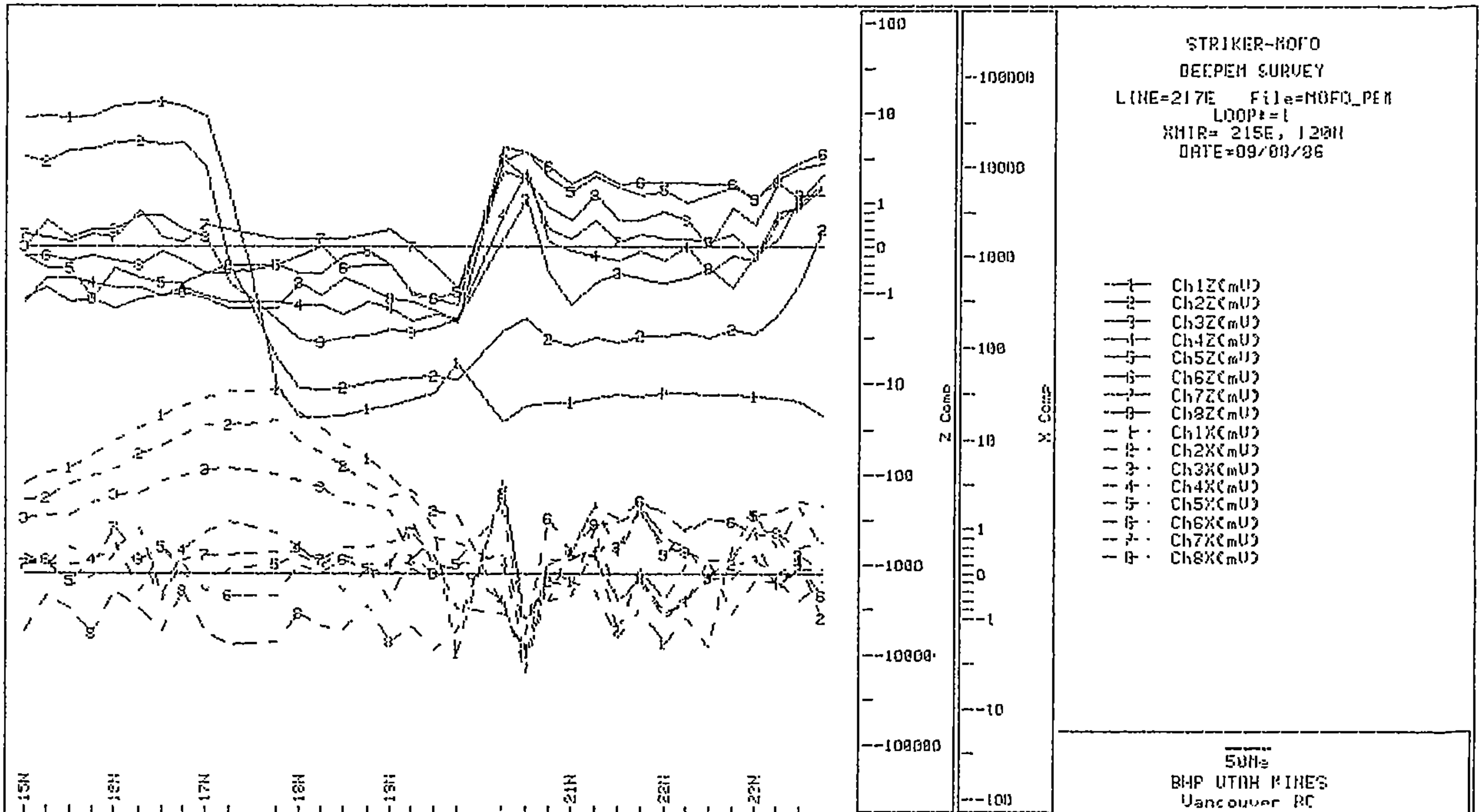
STRIKER-MOFO
DEEPEM SURVEY
LINE=215E File=MOFO_PEM
LOOP#=1
XMTR= 215E, 120N
DATE=09/08/86

Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)

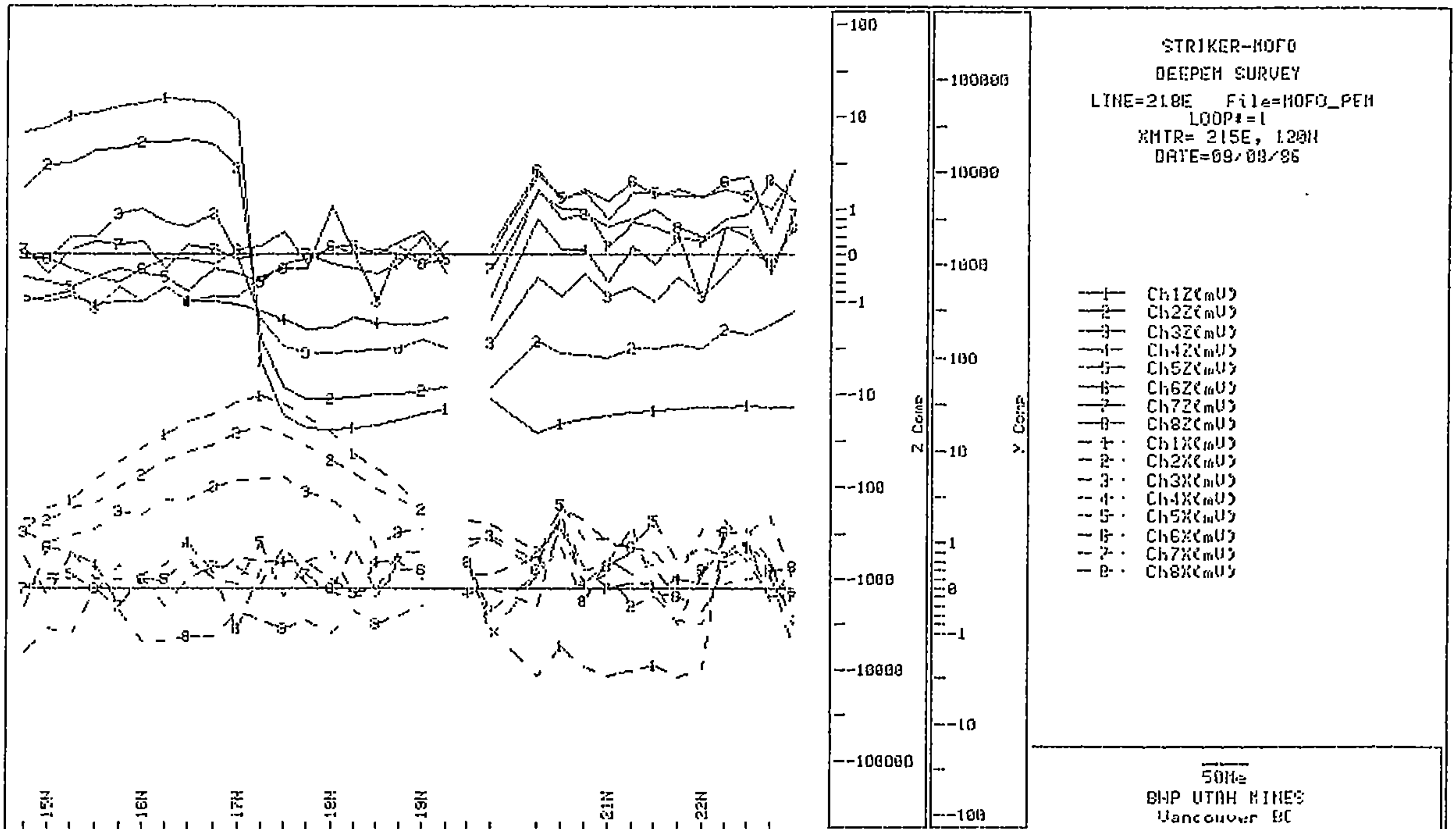
50Hz
BHP UTAH MINES
Vancouver BC

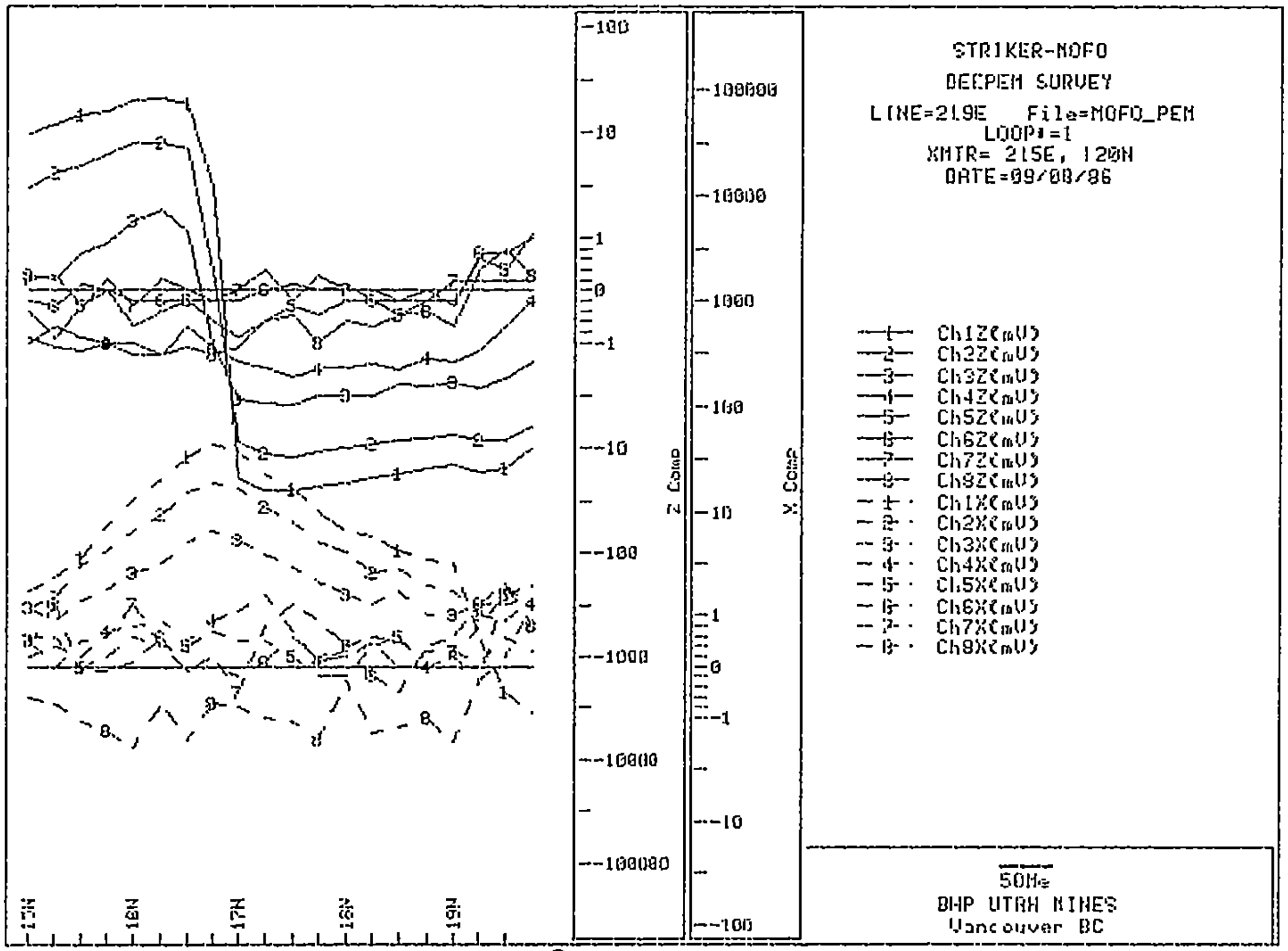


STRIKER-MOFO
DEEPEM SURVEY
LINE=216E File=MOFO_PEM
LOOP#=1
XMTR= 215E, 120N
DATE=09/09/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
100
10
1
0
-1
-10
-100
-1000
-10000
-100000
100000
10000
1000
16N
17N
18N
19N
21N
22N
23N
50Ms
BHP UTAH MINES
Vancouver BC



STRIKER-MOFO
DEEPEM SURVEY
LINE=217E File=MOFO_PEM
LOOP#=1
XMIR= 215E, 120N
DATE=09/08/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
15N
16N
17N
18N
19N
21N
22N
23N
50Hz
BHP UTAH MINES
Vancouver BC


STRIKER-MOFO
DEEPEM SURVEY
LINE=218E File=MOFO_PEM
LOOP#=1
XMTR= 215E, 120N
DATE=09/08/96
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
50Hz
BHP UTAH MINES
Vancouver BC
15N
16N
17N
18N
19N
21N
22N


STRIKER-MOFO
DEEPEM SURVEY
LINE=219E File=MOFO_PEM
LOOP#=1
XMTR= 215E, 120N
DATE=09/08/86
Ch1Z(mV)
Ch2Z(mV)
Ch3Z(mV)
Ch4Z(mV)
Ch5Z(mV)
Ch6Z(mV)
Ch7Z(mV)
Ch8Z(mV)
Ch1X(mV)
Ch2X(mV)
Ch3X(mV)
Ch4X(mV)
Ch5X(mV)
Ch6X(mV)
Ch7X(mV)
Ch8X(mV)
Z Comp
X Comp
50M
BHP UTAH MINES
Vancouver BC
15N
16N
17N
18N
19N

APPENDIX F

COST STATEMENT

On Property Costs

1. Salaries

P. Cowley (July 6, Oct 8/86; April 1 - June 5/87) 99 days @ $186/day	$ 18,414.00
R. Ord (July 6 - Oct. 15/87; April 1 - June 5/87) 37 days @ $140/day	$ 5,180.00
D. Brabec (July 6-10/86) 4 days @ $245/day	980.00

Temporary

C. Robinson (July 6-Setp. 21/86; April 21-29/87) 73 days @ $81/day	$ 5,913.00
T. Connor (July 6-Oct 15/86) 37 days @ $70/day	2,590.00
J. Mueller (July 6-Sept 1/86) 20 days @ $50/day	1,000.00
B. Nachtigal (July 6 - Aug 29/86) 52 days @ $55/day	2,860.00
C. Rogers (July 6 - Aug. 25/86) 48 days @ $50/day	2,400.00
T. Watts (Oct 1-15/86) 5 days @ $70/day	350.00
T. Willis (July 6 - Sept 1/86) 20 days @ $50/day	1,000.00

Cost Statement (Cont'd)

C. Zaremba (July 6 - Oct 15/86) 36 days @ $65/day	$ 2,340.00
N. Lang (April 22 - May 31/87) 29 days @ $25/day	725.00
D. Tremaine (May 25 - June 3/87) 9 days @ $50/day	450.00
B. Watts (April 6 - June 5/87) 60 days @ $57/day	3,420.00
C. Zaremba (April 20 - May 29/87) 40 days @ $67/day	2,680.00

2. Contractors

Brian Hamilton Excavating	$ 980.00
Van Alphen Exploration Services Ltd.	3,577.00
(14.6 km of line-cutting X $245)	
White Geophysical Inc.	2,925.00

3. Labs

Acme Analytical Laboratories Ltd.	$ 23,736.00
(316 rocks, 1257 soils and 398 silts)	

Statement of Costs (Cont'd)

4. Transportation Costs

Red Hawk Rentals	(1 truck @ $975/mo X 3 mo) + mileage	$ 4,152.50
	(1 truck @ $1,033.50/mo X 2 mo)	2,067.00
Cana	(1 truck @ $956/mo X 1.5) + mileage	1,766.82
Repairs		748.43
Fuel		5,145.00
Expenses		684.80

5. Room and Board

$27.50/day/man X 514 days	$ 14,135.00

6. Telephone	$ 979.84
7. Maps and Field Supplies	$ 2,771.38
8. Geophysical Equipment Rental	$ 3,883.55
TOTAL ON PROPERTY COSTS	$117,854.32

Statement of Costs (Cont'd)

Off Property Costs

1. Salaries

Drafting

T. Drews 28 days @ $132/day	$ 3,696.00
R. Gopal 2 days @ $125/day	250.00

Report Writing and Preparation

P. Cowley 19 days X $186/day	$ 3,534.00
C. Robinson 15 days X $81/day	1,215.00
R. Ord 24 days X $ 140/day	3,360.00
TOTAL OFF PROPERTY COSTS	$ 12,055.00
TOTAL COSTS	$129,909.32

Statement of Qualifications

I, Paul Stuart Cowley, of 1720 Cypress Street, Vancouver, British Columbia, do hereby certify that:

I am a graduate of the University of British Columbia, with a Bachelor of Science Degree in Geology, 1979.

I was employed as a temporary Geological Assistant during the 1977 and 1978 seasons by Denison Mines and B.C. MEMPR.

Since graduation, I have been engaged in coal exploration in B.C., Alberta and NWT, and mineral exploration in Chile and B.C. for Utah Mines Ltd.

I am a fellow of the Geological Association of Canada.

Paul S. Cowley
Geologist

Vancouver, B.C.

STATEMENT OF QUALIFICATIONS

Name:	Ord, Roger S.
Profession:	Geophysicist
Education:	BaSc, Geological Engineering/Geophysics option University of British Columbia
Professional Associations:	Society of Exploration Geophysicists The Association of Professional Engineers (EIT) British Columbia Geophysical Society
Experience:	Four seasons pregraduate experience in geophysics with Utah Mines Ltd. in Northern Ontario, Newfoundland, British Columbia and Maine, USA. Three year's experience as a geophysicist with Utah Mines Ltd. (West Coast Div.).

Roger S. Ord
Staff Geophysicist
Utah Mines Ltd.

Statement of Qualifications

I, Christopher A.F. Robinson, of 241 East 17th Avenue, Vancouver, British Columbia, do hereby certify that:

I am a graduate of the University of British Columbia, with a Bachelor of Science Degree in Geology, 1985.

I was employed as a temporary Geological Assistant during the 1982 to 1984 field seasons by Utah Mines Ltd.

Since graduation, I have been engaged in mineral exploration in British Columbia for Utah Mines Ltd.

Christopher A.F. Robinson
Geologist

Vancouver, B.C.