86-145-14729

Owner: Westmount Resources Ltd.

Operator: **GOLDBRAE DEVELOPMENTS LTD.**

NEXUS RESOURCE CORPORATION

GEOLOGICAL, GEOCHEMICAL and GEOPHYSICAL

REPORT on the

JANE, TONI, KATHY and **LARRY** CLAIMS

NANAIMO LAKES PROPERTY

NANAIMO MINING DIVISION

NTS 92F/1W LAT. 49°~~05'N~~ 05.1' LONG. 124°~~28'W~~ 27.5'

DATE OF WORK: MAY, JUNE AND SEPTEMBER, 1985

DATE OF REPORT: FEBRUARY, 1986

AUTHORS: GLEN E. WHITE, P.Eng., GEOPHYSICIST

JOANNE C. FREEZE, F.G.A.C., GEOLOGIST

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1. INTRODUCTION

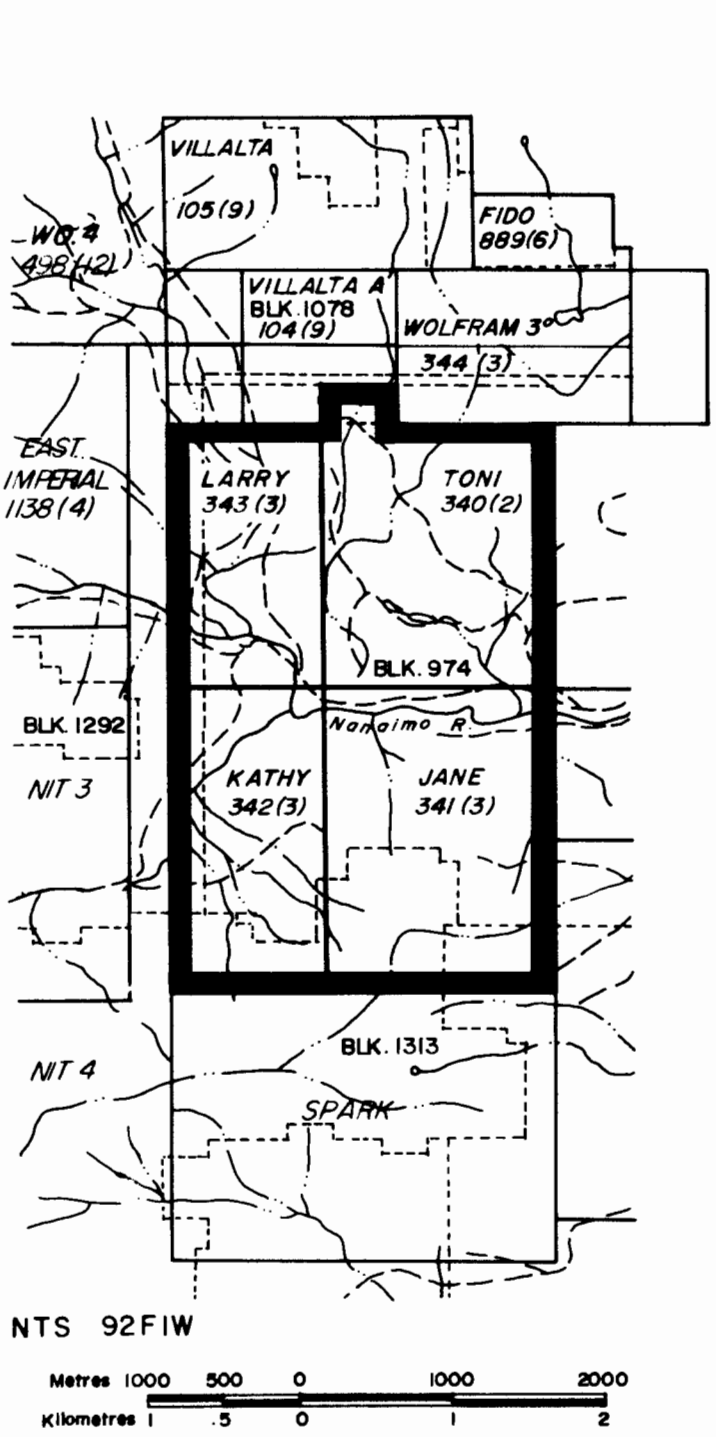
The previously known mineral showings occurring on the **Nanaimo Lake** property were discovered in 1963 by Gunnex Ltd. This mineralization contains high grade copper and silver and low grade gold in a skarn environment within the Sicker Group of volcaniclastics, volcanics and sediments. Since 1967, when production was started by Westmin Resources Ltd. at the Myra Falls polymetallic mine, the Myra Formation of the Sicker Group has become an exploration target. This has made the general area from Duncan to Port Alberni a priority area in the search for polymetallic massive sulphide deposits.

Goldbrae Developments Ltd. and Nexus Resource Corporation undertook a program of linecutting, geological mapping, soil sampling, magnetometer, VLF-electromagnetometer , pulse electromagnetometer and induced polarization surveying to evaluate the extent of the known showings and to search for new mineral zones that may fit a volcanogenic model of origin. This program was undertaken during the spring and fall of 1985.

1.1 Property

The property consists of 4 modified grid claims totalling 40 units as follows:

Claim Name	Number	Units	Expiry Date
Toni	340	12	February 26, 1986
Jane	341	12	March 6, 1986
Kathy	342	8	March 6, 1986
Larry	343	8	March 6, 1986



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NANAIMO LAKES PROPERTY

CLAIM MAP

WHITE GEOPHYSICAL INC.

FIGURE 1.1

The claims are owned by Westmount Resources Ltd. and are under an option agreement whereby Goldbrae Developments Ltd. and Nexus Resource Corporation can earn a 50% interest by spending $1,000,000 on exploration by the spring of 1990.

1.2 Location and Access

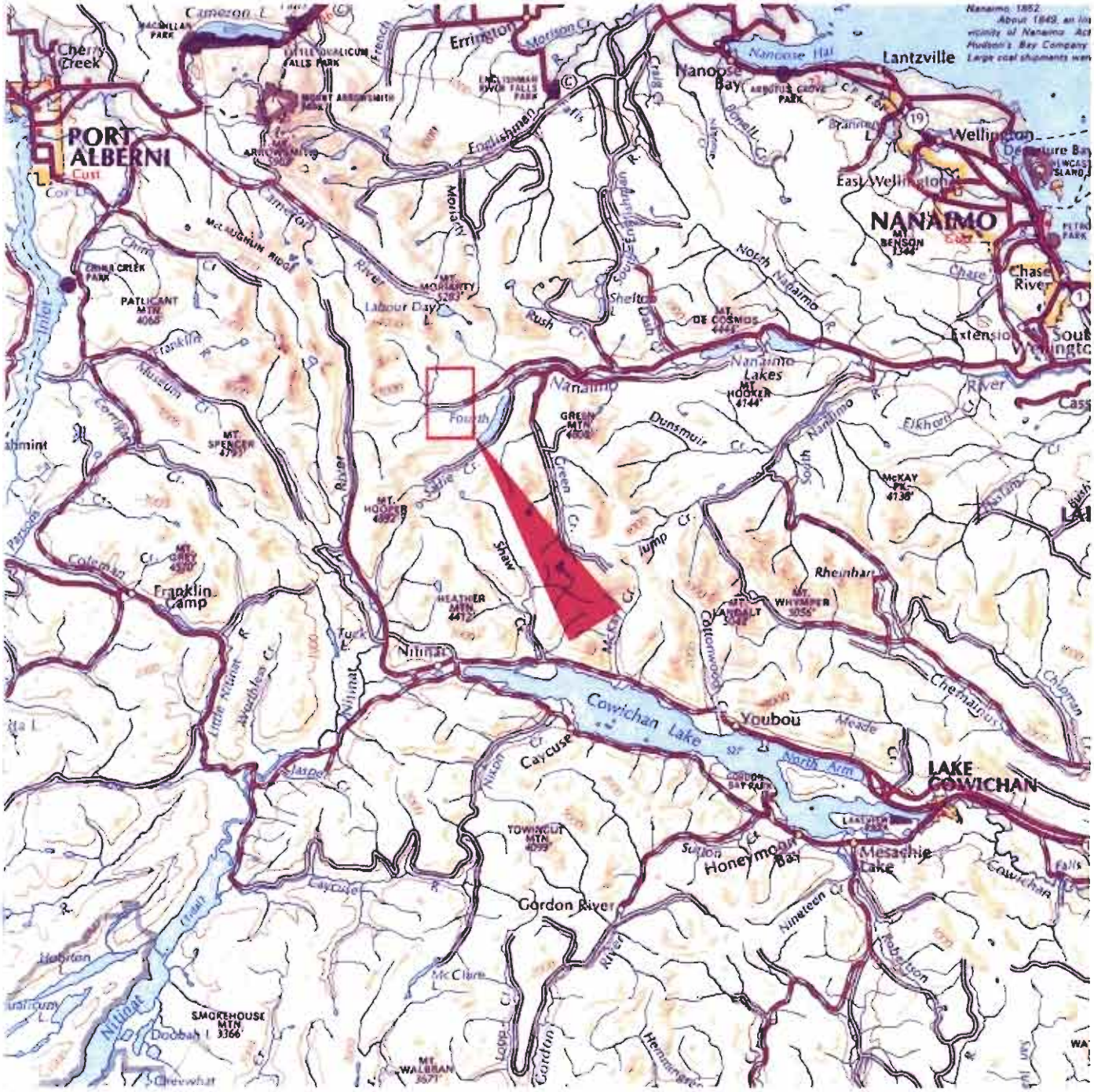
The **Toni Group** of claims are located in the Nanaimo River watershed (2 km west of Fourth Lake) approximately 30 miles west-southwest of the city of Nanaimo on Vancouver Island. The area has been logged by Crown Forest Industries Ltd. Paved logging roads extend from the main highway to within a few kilometres of the property. The property is centred at latitude 49°05'N and longitude 124°28'W on NTS map sheet 92F/1W in the Nanaimo Mining Division.

Access to the claims is by logging roads M22 and M35 which leave the main Nanaimo Lakes logging road some 24 km from the Crown Forest operations office.

1.3 Physiography

The **Nanaimo Lakes property** is in the Coastal Region which is a fairly wet climatic zone. Average annual precipitation ranges from 112 to 665 cm. Both winters and summers are usually mild. Mean daily temperature in July is less than 14 degrees Celsius and in January is 0 to 5 degrees Celsius.

The topography of the property consists predominantly of moderate to steep hills and valleys with occasional cliffs. Steep canyons occur along several creeks. Elevations range from 340 m (1,115 feet) along the Nanaimo River to 880 m (2,800 feet) to the north and 1,210 metres (3,970 feet) to the south.



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NANAIMO LAKES PROPERTY

LOCATION MAP

WHITE GEOPHYSICAL INC.

FIGURE 1.2

Much of the property has been logged and partially reforested by Crown Forest Industries Ltd. A great deal of slash still exists on several slopes. Vegetation over the unlogged area is predominantly heavy to moderate bush consisting of fir, cedar, pine, hemlock and spruce trees. Tall grasses and devil's club are found in a few large swamps.

The **Nanaimo Lakes property** is drained by the headwaters of the Nanaimo River which flows eastward to the ocean.

1.4 Previous Work

The copper-silver mineral occurrences were discovered by Gunnex Mines Ltd. in 1963 as a result of a regional geochemical program and an airborne magnetometer survey throughout the Nanaimo-Alberni area of Vancouver Island.

Subsequent diamond drilling of six holes was completed in 1964 and 1965.

Westmount Resources Ltd. undertook a limited program of soil sampling, pulse electromagnetometer and magnetometer surveying in 1978. Further pulse electromagnetometer and magnetometer surveying was discussed in a report dated May 2, 1979 by Glen E. White, P.Eng. A number of drill targets were outlined.

Eight diamond drill holes were completed in 1980 by Westmount Resources Ltd. and are summarized by Sawyer Consultants in a report dated September 26, 1980.

1.5 Current Work

In 1985 field work by Goldbrae Developments Ltd. and Nexus Resource Corp. was conducted from May 24 to June 30, from September 5 to October 4 and from December 19 to 22. During these periods the following surveys were completed:

1) A survey grid covering 54 line kilometres was established. An east-west baseline was cut and picketed using a 22° declination. From the baseline north-south lines were spaced 100 metres apart and numbered at 50 metre intervals. Over one square kilometre a detailed grid with lines at 50 metre intervals and stations at 25 metres was cut and picketed.

2) 'B' horizon soil sampling was carried out over the main grid and the detailed grid. A total of 1,478 samples were collected.

3) Geologic mapping and rock chip sampling was carried out at a scale of 1:2,500 over the main grid and at a scale of 1:1,250 over the detailed grid. A total of 28 rock chip samples were collected.

4) A VLF-electromagnetic survey was carried out at 25 metre stations over the main grid and at 12.5 metre stations over the detailed grid. A total of 54 line kilometres were surveyed.

5) A total field magnetics survey was carried out over the entire grid (54 line kilometres) at 25 metre stations.

6) An induced polarization survey was carried out over the detailed grid. A total of 23 line kilometres were surveyed.

7) A pulse electromagnetometer survey was carried out over part of the detailed grid. A total of 3 line kilometres were surveyed.

8) A topographic map was produced from air photos to improve the accuracy of data plotting.

2. GEOLOGY

2.1 Regional Geology

The geology of map sheet 92F was originally mapped by C.H. Clapp of the Geological Survey of Canada (G.S.C.) and discussed in Memoir 13 in 1912. Since that time several geologists have mapped various parts of Vancouver Island. J.E. Muller, also of the G.S.C., carried out the most extensive mapping of Southern Vancouver Island between 1964 and 1981.

The **Nanaimo Lakes** property lies within the northwest half of Muller's Cowichan - Horne Lake Uplift. This uplift falls within the Insular (tectonic) Belt of the Canadian Cordillera. The Insular Belt stratigraphy ranges in age from the Paleozoic Sicker Group up to the Middle Tertiary Carmanah Group (see Figure 2.1). The lower part of this stratigraphy, from Paleozoic to Jurassic, has recently been recognized as belonging to an allocthonous terrane called Wrangellia (Muller, 1977, Jones et al., 1977, Muller 1981 and Jones et al., 1982). The Wrangellia terrane was proven, by Tethyan fossils, to have formed in southern latitudes.

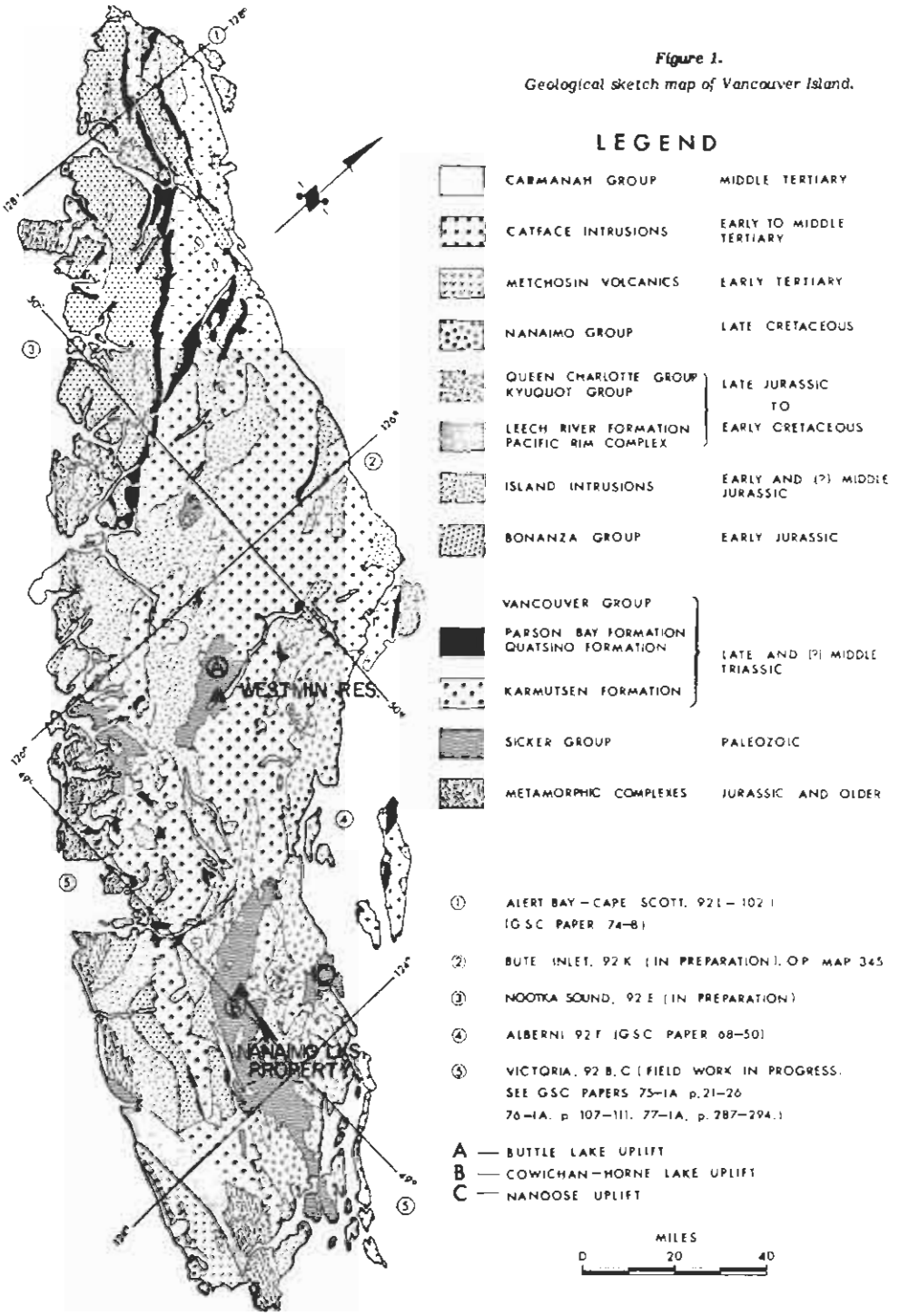

Figure 1.
Geological sketch map of Vancouver Island.

GOLDBRAE DEVELOPMENTS LTD. – NEXUS RESOURCE CORP.
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NANAIMO LAKES PROPERTY

REGIONAL GEOLOGY

MULLER (1981)

WHITE GEOPHYSICAL INC.

FIGURE 2.1.1

It apparently moved northward and collided with the North American plate during the Early Jurassic. At this same time the Bonanza (volcanic) Group and Island Intrusions were extruding onto and intruding into the Insular Belt. Sediments overlying the Bonanza Group unconformably were derived from the North American plate (see Table 2.1).

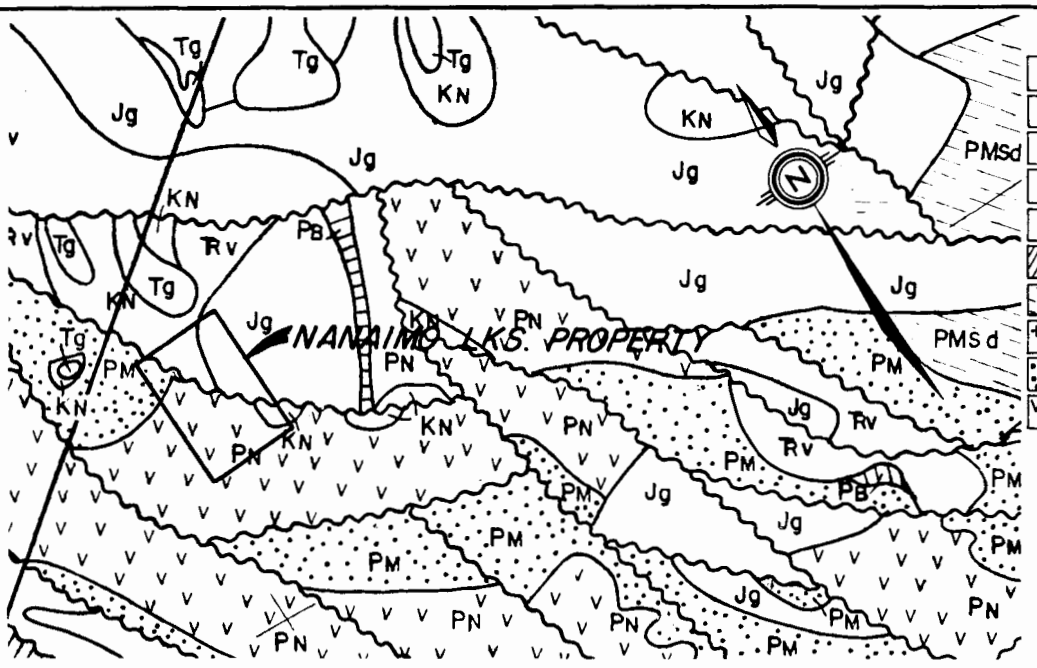
The Sicker Group has been subdivided by Muller (1980) into three formations: the Nitinat Formation, the Myra Formation and the Buttle Lake Formation.

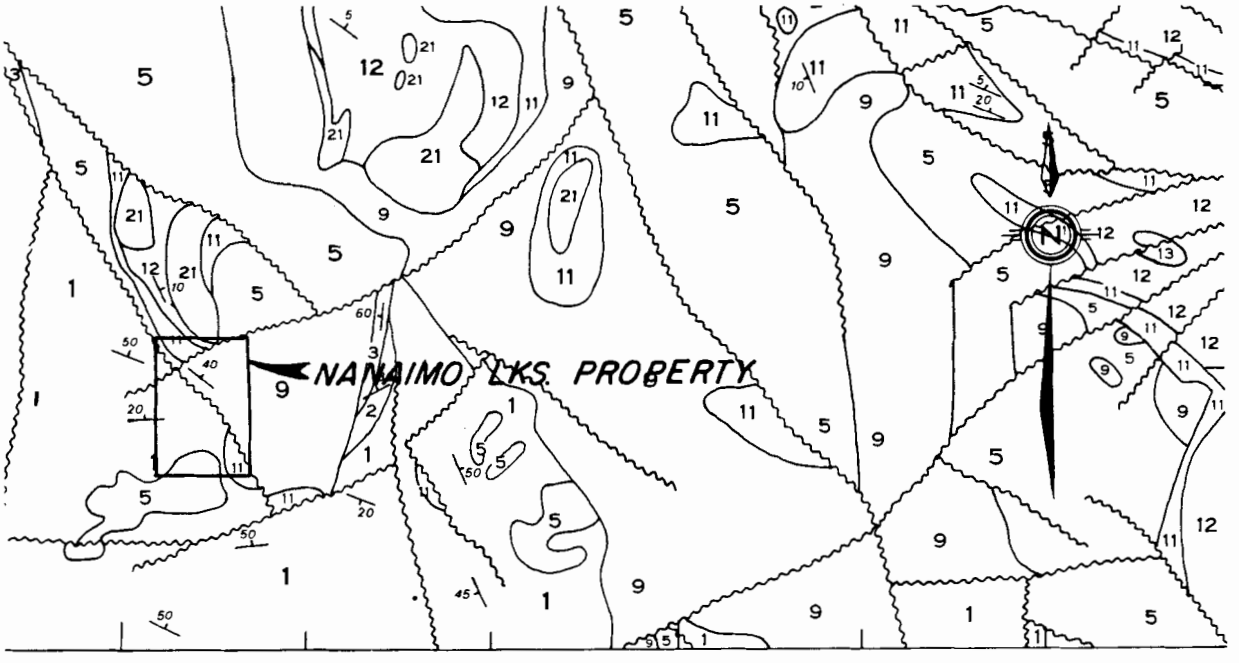
> "The Nitinat Formation is composed of dark, basic agglomeratic, locally pillowed lava, breccia and tuff with distinctive large phenocrysts of uralitized pyroxene. The Myra Formation contains interbedded massive and well bedded cherty tuff and commonly variegated maroon and green breccia in its lower part and alternately thinly laminated to thick bedded and massive black argillite and light coloured rhyodacite tuff and breccia. Porphyritic, partly intrusive rhyodacite, named Tyee Quartz Feldspar Porphyry, is an important component of the Myra Formation in the southeastern part of the Cowichan-Horne Lake Uplift. Polymetallic ore deposits hosted by the Myra Formation in this uplift were formerly mined in the Mount Sicker area and have recently been discovered by Abermin Resources on the **LARA** property. In the Buttle Lake Uplift quartz porphyry, rhyodacite and rhyolite and associated breccia are the ore-bearing zones carrying the polymetallic (Cu-Zn-Pb-Cd-Ag-Au) sulphides being mined by Westmin Resources Ltd. The Sediment Sill Unit is composed of thinly bedded, silicified argillite and greywacke, interleaved with thick sills of, commonly plagiophyric, diabase that may be related to the basalt of the younger Triassic Karmutsen Formation. The Buttle Lake Formation is composed of crinoidal and

TABLE OF FORMATIONS OF VANCOUVER ISLAND from Walker 1985 (Muller 1981)

Sequential Layered Rocks									Crystalline Rocks, Complexes of Poorly Defined Age				
PERIOD			STAGE	GROUP	FORMATION	Sym.		LITHOLOGY	NAME	Sym.	Isotopic Age Pb/U	Isotopic Age K/Ar	LITOLOGY
MESOZOIC	JURASSIC	EARLY	TOARCIAN (?)	BONANZA	VOLCANICS	IJB	1500	basoltic to rhyolitic lava, tuff, breccia, minor argillite, greywacke.	Island Intrusions	Jg		141-181	granodiorite, quartz diorite, granite, quartz-monzonite
			PLIENSBACHIAN						silicic Westcoast	PMns	264		quartz feldspar gneiss, meta-quartzite, marble
			SINEMURIAN		HARBLEDOWN	IJM		orgillite, greywacke, tuff.	basic Complex	PMnb		163-192	hornblende-plagioclase gneiss, quartz diorite, agmatite, amphibolite
	TRIASSIC	LATE	NORIAN	VANCOUVER	PARSON BAY	uTRPB	450	calcareous siltstone, greywacke, silty - limestone, minor conglomerate, breccia					
			KARNIAN		QUATSINO	uTRQ	400	limestone					
					KARMUTSEN	MuTRk	4500	basaltic lava, pillow lava, breccia, tuff, diabase sills		PTb			
		MID	LADINIAN										
PALEOZOIC	PENNSYLVANIAN AND PERMIAN				BUTTLE LAKE	CPBL	300	limestone, chert					
				SICKER	SEDIMENT - SILL UNIT	PTds	500	metagreywacke, argillite, diabase	Saltspring Intr.				
	DEVONIAN OR EARLIER				MYRA	PM	1000	silicic, tuff, breccia, argillite	Tyee Qtz. Porphyry	Pg	>390		metagranodiorite, meta-quartz diorite, meta-quartz porphyry
					NITINAT	PN	2000	basic breccia, tuff, lava, greenschist	Colquitz Gneiss	Pns	>390		quartz feldspar gneiss
									Wark Diorite Gneiss	Pnb	>200		hornblende plagioclase gneiss, quartz diorite, amphibolite

TABLE 2.1





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G.S.C. MAP 17-1968, MULLER (1963-1967) For legend see opposite page.

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NANAIMO LAKES PROPERTY

REGIONAL GEOLOGY

WHITE GEOPHYSICAL INC.

FIGURE 2.1.2

calcarenite limestone with chert lenses, interbedded with varying proportions of siltstone and argillite."

The structure of the Sicker Group shows commonly southwesterly verging, large and small scale asymmetric, overturned, and isoclinal folds. In steep and overturned limbs of folds the rocks are commonly highly sheared and metamorphosed to chlorite - actinolite and chlorite sericite schist.

2.2 Property Geology and Mineralization

The **Nanaimo Lakes** property is underlain predominantly by the Paleozoic Sicker Group of volcaniclastics, volcanics and sediments. This is the oldest stratigraphic unit recognized on Vancouver Island. The Sicker Group has been intruded by Early to Middle Jurassic Island Intrusions varying from quartz monzonite to granodiorite in composition. In the southern part of the property the Middle Triassic Karmutsen (volcanic) Formation overlies the Sicker Group. At the northern edge of the claims the Benson member of the Comox Formation, part of the Cretaceous Nanaimo Group, overlies the Sicker Group and the Island Intrusion along an angular unconformity (see Map 2.2).

On this property the Sicker Group has been divided into eight distinctive units (see Table 2.2). Unit 8 has been identified as the Buttle Lake Formation. Units 7 and 6 (including 6a) fit the description of the Sediment Sill unit. The top of the Myra Formation is assumed to be where the volcaniclastics begin, Unit 5. However, rapid lateral facies variations typify the Myra Formation and it is difficult to match type sections. Structural complications are also created on the property by several faults and folds.

TABLE 2.2

GEOLOGICAL LEGEND

Tertiary	Catface Intrusions		A	Feldspar porphyry dacite dykes and sills White cream feldspar crystals to 4 mm. Max. 30% in gray green matrix
Late Cretaceous	Nanaimo Group		N	Sediments - fluvial to marine
Early to Middle Jurassic	Island Intrusions		B	Quartz diorite to granodiorite - medium grained, equigranular, minor aplite
			Bi	Intrusive contact zone, amphibolite to diorite
	Skarn		SkG	Garnet-epidote-calcite±actinolite±diopside skarn - medium to coarse grained. Mainly andradite garnet
			SkGm	Same as SkG with magnetite
			SkE	Epidote garnet calcite±actinolite±diopside skarn - fine to coarse grained
			SkEm	Same as SkE with magnetite
	Hornfels		H	Biotite-quartz±chlorite hornfels - fine to medium grained medium to dark gray. Some quartz banding
Paleozoic	Sicker Group	Buttle Lake Formation	8	Limestone, marbleized - white to gray medium to coarse crystalline calcite - tremolite. Massive
		Sediment Sill Unit	7	Silicified sediments - quartzite argillite and chert
			6	Chert, cherty tuffs, calc silicates - thin bedded white, light to medium gray green and pinkish gray aphanitic to fine grained cherty rocks some interbedded gabbro, diabase, argillite, some massive gray chert
			6a	Argillite and siltstone
		Myra Formation?	5	Dacite-rhyolite-fine grained light gray to gray green acidic flows, tuffs or breccia
			4	Andesite-dacite-fine grained light gray to medium gray-green intermediate flows, tuffs or breccia
			3	Basalt-andesite-fine grained medium to dark gray-green basic flows, tuffs or breccia
			2	Basalt-diabase-gabbro - fine to coarse grained, medium gray Green to greenish black flows or intrusives
			1	Volcanic agglomerate - basic fine grained gray-green matrix with fragments to 30 cm of same, minor amounts of more acidic volcanics and cherts. Prominent weathering unit

Skarn assemblages such as garnet-idocrase-tremolite-calcite ±actinolite ±epidote have formed proximal to the contacts between the Island Intrusion and limestone and/or limey sediment beds and volcanics. Massive magnetite-pyrite-chalcopyrite pods carrying some gold and silver values occur within these zones of contact metamorphism and metasomatism.

Anomalous gold values were also obtained from massive pyrite veinlets associated with quartz-carbonate veins in shear zones within the Sicker volcanics.

3. GEOCHEMISTRY

3.1 Soil Sampling

3.1.1 Sampling, Sample Preparation and Analytical Procedures

On the Nanaimo Lakes property, soil samples were collected at 50 metre stations on north-south lines spaced 100 metres apart over the main grid and at 25 metre stations on lines spaced 50 metres apart over the detailed grid. A total of 1,478 soil samples were collected.

All soil samples were collected from the 'B' soil horizon with the aid of a lightweight mattock and were sent to Chemex Labs Ltd. in North Vancouver for analysis.

In the laboratory, samples were oven dried at approximately 60°C. The dried samples were sieved to minus 80 mesh and were analyzed for the elements copper, zinc, and silver by atomic absorption after digestion with hot concentrated nitric-aqua-regia and/or perchloric-nitric acids. The plus 80 mesh fraction was saved for future analysis if required. A population of 14 samples were also analyzed for barium and lead.

3.1.2 Treatment and Presentation of Results

In assessing the soil geochemical results, graphical statistical methods were used to separate background from anomalous metal concentration. Threshold and anomalous levels were determined at the mean plus two standard deviations (x + 2s) and the mean plus three standard deviations (x + 3s), respectively, from log probability plots prepared for each element. This data is given in Table 3.1.2.

Sample locations and analytical results are shown on Maps 3.1.1 to 3.1.3. Results for all elements have been contoured at threshold (x + 2s) and anomalous (x + 3s) levels. Results for copper and zinc were also contoured at (x + 1s) levels because anomalous values in the area of skarn mineralization have biased the statistics.

Table 3.1.2

Mean, Threshold and Anomalous Metal Values in 'B' Horizon Soil Samples from the Nanaimo Lakes Property

Metal	N	Mean (x)	Threshold 1 (x + 1s)	Threshold 2 (x + 2s)	Anomalous (x + 3s)
Cu	1478	55 ppm	98 ppm	185 ppm	330 ppm
Zn	1478	64 ppm	95 ppm	146 ppm	222 ppm
Ag	1478	0.37 ppm	0.57 ppm	0.9 ppm	1.45 ppm

3.1.3 Discussion of Results

Anomalous copper and silver values occur in soils along the margins of the intrusive which is where massive magnetite-chalcopyrite pods occur in the skarn zone of contact metamorphism and metasomatism. This large zone of anomalous copper values extends to 400W and 0N while the zone of anomalous silver extends to 400W and 400S. Extremely high copper (up to 2,500 ppm) and zinc (up to 940 ppm) values occur from 350W to 550W at 100N. Several other zones of anomalous copper values occur on the property usually trending east-west. One of these zones occurs within the intrusive at 150N from 300E to 700E. No evidence of copper mineralization was observed in the field but a mineralized shear zone is a possible explanation.

Other than the zone rimming the intrusive, anomalous silver values are found in several patchy zones. An extensive silver-zinc anomaly trends southwest from a weak copper anomaly at 700W - 400S.

A large zone of anomalous zinc values occurs from 200W to 800W between 0 and 700N. Most other zinc anomalies trend southwest to northeast. Within the intrusive, a zinc anomaly occurs from 100E to 400E at 0 to 150S. This could be a mineralized shear zone.

A small population of samples from the 450W 100N area were analyzed for barium and lead but no anomalous values were obtained.

3.2 Rock Chip Sampling

3.2.1 Sampling, Sample Preparation and Analytical Procedures

Rock chip samples were collected from all outcrops with visible mineralization, boxwork, iron staining or silicification, and from all quartz veins and mineralized intrusive dykes.

In most cases, grab samples were taken where outcrop exposures were poor. Chip samples were taken at regular intervals (according to the size of the unit) across the width of massive sulphide beds, lenses and veins, wallrock to beds and veins and gossanous, siliceous or pyritic zones. A total of 28 rock samples were collected for analysis.

The samples were placed in numbered plastic bags and sent to Chemex Labs Ltd. in North Vancouver for analysis. In the laboratory, samples were put through primary and secondary jaw crushers and a tertiary cone crusher. A sub-sample of approximately 250 gm was then pulverized in a rotary pulverizer. Pulp for precious metal analysis was screened to minus 100 mesh and examined for 'metallics'. The pulp was then preconcentrated by fire assay and analyzed by atomic absorption for copper, lead, zinc, silver and gold.

3.2.2 Presentation and Discussion of Results

Assay results, locations, and descriptions of samples are given in Apppendix I and II and shown on Map 2.2.

Results from grab samples and chip samples from outcrops show values ranging from trace amounts up to 6000 ppb Au, 12.6 ppm Ag, 3800 ppm Cu and 1050 ppm Zn. The highest gold values were obtained from a massive pyrite veinlet in a quartz-carbonate shear zone in the Sicker volcanics. Anomalous amounts of gold were obtained from siliceous, iron stained volcanics containing both disseminated and hair line veinlets of pyrite. Disseminated chalcopyrite was found in several locations on the property. Anomalous silver values were obtained from samples anomalous in either copper and/or gold.

4. GEOPHYSICS

4.1 VLF Electromagnetometer Survey

4.1.1 Instrument and Survey Techniques

This survey was conducted using a Geonics EM-16 VLF electromagnetometer. This instrument acts as a receiver only. It utilizes the primary electromagnetic fields generated by VLF marine communications stations. These stations operate at a frequency between 15-25kH_z, and have a vertical antenna-current resulting in a horizontal primary field. Thus, this VLF-EM measures the dip angle of the secondary field induced in a conductor.

For maximum coupling, a transmitter station located in the same direction as the geological strike should be selected, since the direction of the horizontal electromagnetic field is perpendicular to the direction of the transmitting station. The station used on this survey was Seattle (24.8 kH_z) which is located southeast of the property.

Inphase and quadrature readings were taken in a northerly direction. Readings were taken at 25 metre intervals over the main grid and at 12.5 metre intervals over the detailed grid and the data filtered in the field by the operator as described by D.C. Fraser, Geophysics Vol. 34, No. 6 (December 1969). The advantage of this method is that it removes the dc bias and attenuates long spatial wave lengths to increase resolution of local anomalies. The method phase shifts the tilt-angle data by 90 degrees such that crossovers and inflections will be transformed into peaks to yield contourable quantities.

4.1.2 Presentation and Discussion of Results

The VLF electromagnetometer data detected two principle conductors, A and B, as shown on plan Map 4.1. These two conductors have a reverse, out-of-phase response which suggests excellent conductivity. The response is likely caused by graphite in cherts and/or argillites. Conductor C is less conductive but may be a second less conductive lithologic unit.

The broad conductive response C, on line 700W, suggests that Conductors C and E may be joined. A moderately strong zinc geochemical response occurs down slope on line 700W. The interpretation Map 4.0 and induced polarization profile Figure 4.3.2 shows a good chargeability response at depth between stations 700S and 800S. Both conductors A and B exhibit high chargeability values. Conductor B has elevated copper, zinc and silver values around lines 700W - 800W. Conductor F follows a major southwest-northeast break as suggested by the ground magnetometer data (Map 4.2). Anomalous silver and zinc geochemical values coincide with this conductor. Both the conductor and geochemical values

follow a small stream which likely flows in an area of structural weakness. This may be a fault zone as supported by the magnetometer data. The northeast extension of this zone intersects the western terminus of Conductor B and the nearby mineral showings of pyrite, pyrrhotite and minor chalcopyrite. The induced polarization data, Figures 4.3.1 and 2, on lines 800W and 750W suggests that high chargeability values could extend to Conductor F and that Conductor B and F may in fact be one graphitic or mineralized zone. Anomalous geochemical values suggest some economic minerals are likely present.

Very little can be ascertained about Conductor D. It is a short strike length, shallow conductor occurring under a small swamp. A ground check should be made for a logging cable. Conductor P is likely such a conductor since it follows the road.

Conductors O and G on opposite sides of the map sheet exhibit the characteristics of low order lithologic conductors.

Conductor H has a short strike length of less than 50 m. It is associated with moderately high chargeability values as shown on Figure 4.3.20. A sharp pulse electromagnetometer response occurs between 75N and 100N as shown on Figures 4.4.21 and 22. The conductor is suggested to be flat lying. Conductor I is coincident with a horst of cherts and argillites and appears to represent a shallow, narrow poor conductor. Conductor S gives a good response on line 200W. This response is over the 1964 drillhole #3 intersection of 47 feet of 2.1% copper. Copper mineralization has been noted on and just south of the logging road. Thus Conductor J is caused by a lense of copper mineralization at least 100 m long. The pulse electromagnetometer data shows this conductor extending through to line 0 at 100N. These

conductors are near to the edge of the primary loop; the response from conductors near the loop is greatly magnified. However, the induced polarization profile Figures 4.3.14 to 4.3.18 do show corresponding chargeability values.

Conductor K shows as a definite conductor of slightly less amplitude than Conductor J. It is upslope from a strong copper-zinc anomaly in soils. Conductors L and M may be part of the same anomaly. The magnetic intensity data shows a prominent linear magnetic low which trends northwest-southeast through this area. This feature has been interpreted as a major fault.

Conductor N shows as a broad lense-like response with no geochemical or magnetic correlation.

4.2 Magnetometer Survey

4.2.1 Instruments and Survey Techniques

The magnetometer survey was carried out utilizing two GSM-8 proton precession magnetometers. One of these was operated in conjunction with a CMG MR-10 base magnetometer recorder to allow diurnal and micropulsation variation removal. Operator precautions of demagnetization and consistency were observed and field clock to base magnetometer timing skew was maintained within one second per day. Corrected, unfiltered data are plotted on each of the base maps. Readings were taken at 25 metre stations over the entire 54 kilometres of grid lines.

4.2.2 Presentation and Discussion of Results

The magnetic intensity data shows a varied high and low terrain around a background of some 400 gammas. The magnetic intensity data greater than 800 gammas approximates the position of the magnetite bearing diorite intrusive. Values of 3,000 to 4,000 gammas correlate with magnetite rich skarn zones which in several areas are cupriferous. Map 4.0 shows the outline of the granitic intrusive as determined by geology and magnetics.

The magnetic intensity patterns are broken by dominant NW-SE and NE-SW linears which have been interpreted as major fault zones. The strong NE-SW linear shows an abrupt change in magnetic values nearly producing a straight line. Rock outcrops crossing this zone are highly oxidized and altered with multiple veinlets of pyrite mineralization. Strong chargeability values were detected along this zone from line 200W to 150E where the zone trends off of the claim group. Anomalous copper-zinc and silver values are associated with the induced polarization anomaly. This structure zone continues in a south-westward direction and disrupts the VLF-electromagnetic conductors as illustrated on Map 4.0. The magnetic values in the northern part of the survey area, on the northwest side of this fault zone, are an order of magnitude lower than on the southeast side. It would appear that the southeast side has been uplifted.

The well defined NW-SE linear magnetic low just south of the high magnetic values forms a conjugate fault with the NE-SW one. This fault traverses the granite stock. The NW-SE fault north of the baseline also cuts the granite body and follows a strong copper geochemical anomaly. This possibly suggests a later mineralizing event. The pulse electromagnetometer data on lines 100W and 50W show a deep conductive response along the major NW-SE fault at 25S and 125S, respectively.

A finger of magnetic high values trends westward from the granite intrusive approximately 300 m south of the baseline. The rocks in this area are brecciated and silicified. An interesting pulse electromagnetic conductor occurs on lines O and 50W at a depth of some 100 m as shown on Figures 4.4.13 and 17.

The magnetic features on the western side of the survey area would appear to be caused by diabase sills or dykes.

4.3 Induced Polarization Data

4.3.1 Instrument and Survey Techniques

The induced polarization program was initiated utilizing the multipole system. Forest fire season interrupted the survey and it was completed in the fall with the dipole-dipole method. The multipole data is a new experimental method which is designed to try to define chargeability zones as they actually exist. The dipole-dipole method has the usual complexities of an expanding array.

Multipole Induced Polarization Survey

The multipole induced polarization method is a technique which exploits the rapid signal acquisition and processing capabilities available with current micro computer technology. With this technique the potential field information is obtained through a multiconductor cable having 36 takeouts at 25 metre intervals. The cable is presently configured as up to six end and position interchangeable cables of 150 metre length. The takeouts are addressed by the 40 channel multiplexer assembly in a specially configured HP-3497A data acquisition system as 25

metre to 275 metre dipoles. The data acquisition system is driven by a HP-85 computer, allowing the data to be stacked in the computer for a number of cycles at full precision until a criteria is reached. Ten windows on the secondary voltage are compiled, as well as the primary voltage information. Time zero is sensed by direct reference to the transmitter timing circuitry. The cable is scanned simultaneously in groups of five dipoles and the decay curves presented graphically for acceptance and logging or rejection and rescan by the operator. The data is logged on digital tape cartridges and is readily accessed in the field in order to produce pseudo-sections. These tapes are read by an HP-9845 computer for further processing and production of final report ready sections.

Lopo Induced Polarization Survey

The survey was conducted utilizing a Huntec LoPo Mark III induced polarization system deployed in a dipole-dipole array with a=50 m, n=1-4. Power was obtained from the portable LoPo Mark III transmitter providing a maximum of 200 Watts output. The current is cycle on for 2 seconds and off for 2 seconds, alternating polarity each cycle. Power was transmitted to the ground through two potential electrodes, P_1 and P_2, which were deployed in the dipole-dipole electrode array.

The data recorded in the field consists of careful measurements of the current (I) in amperes flowing through electrodes C_1 and C_2, the primary voltage (Vp) appearing between electrodes P_1 and P_2 during the "current on" part of the cycle, and the secondary voltage (Vs) appearing between electrodes P_1 and P_2 during the "current off" part of the cycle. A 100 millisecond delay (Td) was used with 100 millisecond window widths (Tp).

The apparent chargeability (M') in milliseconds, is calculated by Tp (M_1 + $2M_2$ $\pm$ $4M_3$ + $8M_4$) = M', where Tp is the basic integrating time in tenths of seconds. M_1, M_2, M_3 and M_4 are the chargeability effects at various times on the voltage decay curve following switch off of the transmitter, measured as a percentage of the primary voltage, Vp recorded during the "current on" time. By the use of these factors, one can gain an estimate of the decay curve in terms of chargeability for the given time Tp. This gives a quantitative value to the data measured.

The apparent resistivity, in ohm-meters is proportional to the ratio of the primary voltage to the measured current, the proportionality factor depending on the geometry of the electrode array used. The chargeability and resistivity obtained are called "apparent" as they are values which that portion of the earth sampled by the array would have if it were homogenous. As the earth sample is usually inhomogenous, the calculated apparent chargeability and apparent resistivity are functions of the actual chargeabilities and resistivities of the rocks sampled and of the geometry of the rocks.

4.3.2 Presentation and Discussion of Results

Line 800W, Figure 4.3.1 shows moderately high resistivities on the north side of the survey grid in conjunction with moderate chargeabilities. These values are associated with cherty tuffs and calc silicates with 1-2% pyrite. An abrupt change to lower resistivity values and high chargeabilities in association with a strong VLF anomaly suggests a graphite horizon. High resistivities and good chargeability values are coincident with Conductor B and copper-zinc anomalies in soils. Heavy sulphide mineralization is associated with the chargeability high at 350S on line 750W, Figure 4.3.2. The

induced polarization data suggests that this is a well mineralized area worthy of further investigation.

Line 700W shows an excellent dyke-like source beneath 225N closely associated with a good VLF-electromagnetic conductor and copper-zinc geochemical values. The moderate chargeability values at 600 - 700N are coincident with high zinc values in soils.

The multipole data commences at line 550W, a jump of 150 m. However, the various zones can be extrapolated eastward. The graphite and/or sulphide zone shows as a narrow zone at the baseline where it is terminated by the pronounced NE-SW fault.

Weak chargeability values are associated with the strong copper-zinc geochemical anomaly along 100N from lines 550W to 400W. Line 450W gives high chargeability values and low resistivity values from 200N to 280N. Line 300W from 180N to 400N shows a broad resistivity low which correlates with the large fault and alteration zone. High chargeabilities occur in the center of this feature. The chargeabilities decrease and the resistivities increase moving eastward towards the intrusive. Line 1500W gives high chargeabilities coincident with a pulse EM and VLF-EM conductor at 140N. This represents a copper-silver mineralized zone. The multipole data only detected this zone very weakly on lines 200W and 250W.

The dipole-dipole data on line 150W shows similar patterns to the multipole results. The chargeability anomaly beneath 50S appears to be stronger than detected by the multipole data.

Lines 150W to 150E show a very strong chargeability anomaly associated with the structure along the edge of the granite intrusive. The road cut at 100W contains veinlets of massive sulphide mineralization with minor chalcopyrite. This area requires diamond drilling (see Figure 4.3.15). A low order pulse electromagnetic conductor is located near 25S on line 100W and has a coincident chargeability response. This pulse electromagnetometic response, Figure 4.4.5, shows a vertical component response into Channel 4. Weaker largely Channel 1 and 2, variations continue to line 100E. The electromagnetic response is typical of a poorly connected conductor and could be caused by fault gouge, graphite or massive sulphide mineralization. The associated chargeability and high resistivity responses suggest the latter. Line 50W shows a narrow response coincident with a pulse electromagnetometer crossover, Figures 4.3.17 and 4.4.9, in the skarn area. Lines 0 to 100E give shallow strong chargeability responses from 0 to 100N. The high chargeability value at 50N on Line 50E occurs over a magnetic high. Magnetite and pyrite could give the IP anomaly. Line 0, Figures 4.3.18 and 4.4.13, shows a deep chargeability response which correlates with a low order, broad pulse electromagnetometic conductor at a depth of some 100 m. This anomaly flanks the magnetic high finger discussed previously and extends to at least 100W. The induced polarization data indicates it may extend out of the survey area. The surface rocks are silicified with hornfels alteration and coincident copper-zinc values occur in soils in this area. The general area from line 100W to 200E between the road and the skarn zone appears to be a definite area of interest from a geophysical viewpoint. Geologically, dacite and rhyolite flows and tuffs, which have been brecciated and silicified, have been mapped in this region.

4.4 Pulse Electromagnetometer Survey

4.4.1 Instrument and Survey Techniques

A pulse electromagnetometer survey was conducted over 3 line kilometres on the detailed grid. The loop was set up from 250N to 400N between lines 150W and 150E. The survey covered the area from line 150W to 100E between 200N and 300S.

The Crone pulse electromagnetometer system is a time domain E.M. system which can be used in the standard horizontal loop mode, fixed source mode or in a downhole mode.

The primary field for the standard horizontal loop method is produced by a portable transmitter loop of 6, 10 or 50 metres diameter. A depth of search of approximately 75% of separation is obtainable due to the high sensitivity of the receiver system. As measurements of the time derivative of the secondary field occur during primary field off time the method is relatively free from geometrical restrictions. Interpretation is accomplished with the aid of Slingram horizontal loop curves.

The primary field for the 2000 watt fixed source system is provided by a 500 by 1000 metre transmitter loop. A 150 by 150 metre loop is utilized with the 500 watt system. The time derivative of the secondary field resulting from the presence of a conductor is sampled at eight windows on the decay curve, during primary field off time. These eight channels of secondary field information are equivalent to a wide spectrum of frequencies from approximately 2 kHz to 16 kHz thus allowing conductor character and strength determination. The vertical and horizontal components are obtained at each station on the traverse, using the

convention of vertical component positive upwards and horizontal component positive away from the transmitter loop. In areas of high surficial conductivity the primary field on time of 10.8 ms, and the receiver delay times may be doubled in order to obtain late time information. Time synchronization between transmitter and receiver is by radio or cable link.

The apparent primary field information is recorded at each occupied station. Normalization of the data with respect to instrument gain produces a constant gain plot. In this format a vertical plate-like conductor anomaly would be symmetric. Normalization with respect to the apparent primary field at each station provides a constant primary field plot that is useful in recognizing conductors present in the far primary field and in correlating anomaly amplitudes from line to line. The anomalies lose symmetry in this format but the condition of anomaly amplitude dependence on distance from the loop is relaxed. In the case of stacked profiles on plan maps it is practical to use the advantages of both of these methods and plot a constant gain profile normalized to the apparent primary field at a station near the conductor axis. This facilitates the correlation of conductors from line to line at varying distance in coverage from several transmitter loops.

The vector focus method of data display is useful in some line source conductor conditions. A resultant vector can be obtained by the vector addition of the vertical and horizontal components of the primary field. A perpendicular to this resultant indicates the apparent eddy current position.

4.4.2 Presentation and Discussion of Results

Pulse EM coverage from transmitter loop 1 detected five weak conductor responses. The responses are of generally low amplitude and with the exception of Conductor AA are present in early channels only.

The highest amplitude response is that of Conductor AA, traced over approximately 150 metres of strike length. An example of this response is seen on Figures 4.4.1 and 4.4.2. The response, although of low amplitude, is present through 8 PEM channels suggesting a possible metallic conductor source. This zone is interpreted to occur at an approximate depth of 40 metres.

Conductor BB, illustrated for example on Figures 4.4.5 and 4.4.6, is interpreted to be sourced at a depth of 50 metres. Conductor CC may be a continuation of Conductor BB, offset between lines 00W and 50W. Should these Conductors BB and CC be dipping to the northeast then the small amplitudes observed may be due, in part, to poor coupling from loop 1.

Conductor DD is present in the far field of transmitter loop 1 and shows evidence of large half width suggesting a depth of approximately 100 metres. Conductor EE is a weak, single line intercept which may be an extension of the Conductor AA trend.

CONCLUSIONS AND RECOMMENDATIONS

During the spring and fall of 1985 Goldbrae Developments Ltd. and Nexus Resource Corp. conducted a detailed program of linecutting, geological mapping, magnetometer, VLF-electromagnetometer, pulse electromagnetometer and induced polarization surveying around an area of skarn mineralization in the Sicker Formation. The program was undertaken to search for other mineral zones in the favourable sequence of volcanics, volcaniclastics and sediments of the Sicker Group.

Correlation of the geological, geochemical and geophysical data has outlined ten areas of interest which should be further investigated.

1) The area between the road and the baseline from line 150W to 200E supported by favourable geophysical, geochemical and geological data.

2) The area of the original Gunnex work:
   i) the high grade mineralization of the trenches between lines 50W and 0.
   ii) the high grade mineralization located by diamond drill holes 64-3 and 80-3.

3) The high chargeability zone from line 200W to 200E on the northern edge of the survey area.

4) The zone of highly anomalous copper and zinc values in soils at 100N between lines 350W and 550W.

5) The shear zone along which high gold values were obtained in rock chip samples, 300N from 300W to 550W.

6) The high zinc-copper-silver and chargeability anomaly centred at 700W - 600N.

7) The anomalous geochemical, induced polarization and electromagnetic response at 700W - 250N.

8) The very strong VLF-electromagnetic Conductor A just south of the baseline.

9) Conductor B and the anomalous geochemical values and induced polarization responses around line 700W - 400S.

10) Conductor F and associated anomalous zinc and silver values in soils.

11) Conductors C, C^1 and E with coincident weakly anomalous copper-zinc values in soils and anomalous induced polarization chargeability response.

Respectfully submitted,

Joanne C. Freeze, F.G.A.C.
Consulting Geologist

Glen E. White, B.Sc., P.Eng.
Consulting Geophysicist

REFERENCES

Brandon, M.T., Orchard, M.J., Parrish, R.R., Sutherland Brown, A., Yorath, C.J. 1986	Fossil Ages and Isotopic Dates from the Paleozoic Sicker Group and Associated Intrusive Rocks, Vancouver Island, British Columbia; in Current Research, Part A, Geological Survey of Canada, Paper 86-1A, P. 683-696, 1986.
Clapp, C.H. 1914	Geology of the Nanaimo Map Area.
Fraser, D.C. December 1969	Geophysics Vol. 34, No. 6.
Muller, J.E. 1980	The Paleozoic Sicker Group of Vancouver Island, British Columbia, Geological Survey Paper 79-30.
Muller, J.E., Cameron, B.E.B., Northcote, K.E. 1981	Geology and Mineral Deposits of Nootka Sound Map Area (92E), Vancouver Island, British Columbia, Geological Survey Paper 80-16.
Walker, R.R. 1985	Westmin Resources' Massive Sulphide Deposits, Vancouver Island.

COST STATEMENT

Linecutting and Soil Sampling

M. Kilbey May 24 to June 23	
31 days @ $325/day	$ 10,075.00
B. Robertson May 24 to June 27	
27 days @ $225/day	6,075.00
D. Hrynyk May 26 to June 17	
22 days @ $175/day	3,850.00
T. Langmead May 26 to June 17	
22 days @ $175/day	3,850.00

Geology

K. Heberlein May 22 to June 30	
39 days @ $325/day	12,675.00
J.C. Freeze May 22 to June 30	
14 days @ $350/day	4,900.00
Report Writing, Data Compilation and Drafting ...	6,000.00
Food and Accommodation 143 days @ $60/manday ...	8,580.00
Vehicle (all inclusive) 1-4x4	
1 month @ $2,000/month	2,000.00
1-4x4 39 days @ $75/day	2,925.00
Chemex: Rock Analysis 28 samples	380.00
Soil Analysis 1,478 samples	7,438.00
Supplies	5,000.00
Hugh Hamilton, Topographic Mapping	4,150.00

Geophysics

Personnel

Glen E. White, P.Eng.		
10 days @ $450/day		$ 4,500.00
Dave Roberts June 10-18		
9 days @ $325/day	$ 2,925.00	
Doug Hrynyck June 10-18		
9 days @ $225/day	2,025.00	
Bill Goldbeck June 10-18		
9 days @ $175/day	1,575.00	
Brian Folke June 10-18		
9 days @ $175/day	1,575.00	8,100.00
Markus Seywerd Sept. 12-26		
15 days @ $325/day	4,875.00	
John Edmeston Sept. 12-Oct. 4		
8 days @ $325/day	2,600.00	
15 days @ $225/day	3,375.00	
Tim Watson Sept. 12-Oct. 4		
8 days @ $225/day	1,800.00	
15 days @ $175/day	2,625.00	
Dean Pratley Sept. 12-22		
11 days @ $175/day	1,925.00	
Jan Lacz Sept. 23-Oct. 4		
12 days @ $175/day	2,100.00	
Nicola Folkes Sept. 27-Oct. 4		
8 days @ $175/day	1,400.00	20,700.00
Mark Kilbey June 16 and Sept. 5-10		
7 days @ $225/day	1,575.00	
Tim Langmead Sept. 5-26		
22 days @ $225/day	4,950.00	
Markus Seywerd Sept. 5-11		
7 days @ $225/day	1,575.00	8,100.00

Brent Robertson Dec. 19-22		
4 days @ $325/day	1,300.00	
Calvin Purcell Dec. 19-22		
4 days @ 225/day	900.00	2,200.00
Instrument Rental		
Multipole System		
9 days @ $400/day	3,600.00	
Lopo System		
23 days @ $235/day	5,405.00	
EM-16 18 days @ $50/day	900.00	
Proton Precession Magnetometer		
18 days @ $110/day	1,980.00	
Pulse Electromagnetometer		
4 days @ $250/day	1,000.00	12,885.00
Vehicles (all inclusive)		
36 days @ $100/day		3,600.00
Food and Accommodation 172 days @ $60/man day ...		10,320.00
Data Compilation, Computer Plotting & Drafting ..		9,000.00
Report Writing and Data Interpretation		4,500.00
Administration and Overhead @ 10%		7,000.00
Total		$168,803.00

STATEMENT OF QUALIFICATIONS

NAME: WHITE, Glen E., P.Eng.

PROFESSION: Geophysicist

EDUCATION: B.Sc. Geophysics - Geology
University of British Columbia

PROFESSIONAL ASSOCIATIONS: Registered Professional Engineer, Province of British Columbia.

Associate Member of Society of Exploration Geophysicists.

Past President of B.C. Society of Mining Geophysicists.

EXPERIENCE:
- Pre-Graduate experience in Geology - Geochemistry - Geophysics with Anaconda American Brass.
- Two years Mining Geophysicist with Sulmac Exploration Ltd. and Airborne Geophysics with Spartan Air Services Ltd.
- One year Mining Geophysicist and Technical Sales Manager in the Pacific north-west for W.P. McGill and Associates.
- Two years Mining Geophysicist and supervisor airborne and ground geophysical divisions with Geo-X Surveys Ltd.
- Two years Chief Geophysicist Tri-Con Exploration Surveys Ltd.
- Fourteen years Consulting Geophysicist.
- Active experience in all Geologic provinces of Canada.

STATEMENT OF QUALIFICATIONS

NAME:	Freeze, J.C., (nee Ridley), F.G.A.C.
PROFESSION:	Consulting Geologist
EDUCATION:	1981 B.Sc. Geology - University of British Columbia 1978 B.A. Geography - University of Western Ontario
PROFESSIONAL ASSOCIATIONS:	Fellow of the Geological Association of Canada
EXPERIENCE:	1985 - Present: Project Coordinator - Geologist with White Geophysical Inc. Coordinating mineral exploration projects involving geology, geochemistry, geophysics and diamond drilling in B.C. and Yukon. 1981 - 1985: Project Geologist with Mark Management Ltd. Hughes-Lang Group. Responsible for precious metals exploration programmes involving geology, geochemistry, geophysics and diamond drilling in Western Canada. 1979 - 1981: Summer and part-time Geologist involved with coal exploration in N.E. B.C. with Utah Mines Ltd.

APPENDIX I
ROCK SAMPLES

Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

212 Brooksbank Ave.
North Vancouver, B.C.
Canada V7J 2C1

Telephone:(604) 984-0221
Telex: 043-52597

CERTIFICATE OF ANALYSIS

TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

ATTN: J.C. FREEZE

CERT. # : A8511849-001-A
INVOICE # : I8511849
DATE : 14-MAY-85
P.O. # : NONE
GOLDBRAE RES.

Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Au ppb FA+AA	
GB-W-1	205	1150	26	55	12.6	300	--
GB-W-2	205	515	1	72	1.1	35	--
GB-W-3	205	1080	24	58	1.8	50	--
GB-W-4	205	95	4	73	0.2	<5	--

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CTA

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9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512195-001-A
INVOICE # : I8512195
DATE : 30-MAY-85
P.O. # : NONE
GOLDBRAE - TONI

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm	Au ppb FA+AA		
43301	205	45	72	0.1	25	--	--

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9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CC: K. HEBERLEIN

CERT. # : A8512720-001-A
INVOICE # : I8512720
DATE : 18-JUN-85
P.O. # : NONE
GOLDBRAE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm	Au ppb FA+AA		
R49001	205	--	--	--	10	--	--
R49002	205	1750	57	--	--	--	--
R49003	205	162	21	0.2	10	--	--
R49004	205	--	--	--	15	--	--
R49005	205	--	--	--	75	--	--
R49006	205	--	--	--	10	--	--
R49007	205	--	--	--	<5	--	--
R49008	205	--	--	--	5	--	--
R49009	205	--	--	--	10	--	--
R49010	205	--	--	--	10	--	--

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TO : WHITE GEOPHYSICAL INC.

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CC: K. HEBERLEIN

** CERT. # : A8513156-001-A
INVOICE # : I8513156
DATE : 4-JUL-85
P.O. # : NONE
GOLDBRAE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm	Au ppb FA+AA		
R49002	214	--	--	1.0	<5	--	--
R49004	214	530	1050	3.4	--	--	--
R49005	214	301	37	0.2	--	--	--
R49006	214	17	74	0.1	--	--	--
R49007	214	57	127	0.1	--	--	--
R49008	214	61	88	0.1	--	--	--
R49009	214	365	42	0.1	--	--	--
R49010	214	28	217	0.6	--	--	--

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CTA

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9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CC: K. HEBERLEIN

** CERT. # : A8512966-001-A
INVOICE # : I8512966
DATE : 29-JUN-85
P.O. # : NONE
NANAIMO LAKES

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm	Au-AA ppb		
85R49011	205	3800	128	6.6	40	--	--
85R49012	205	2200	52	1.7	20	--	--
85R49013	205	1900	50	1.3	<10	--	--
85R49014	205	240	30	0.9	<10	--	--
85R49015	205	366	45	2.7	6000	--	--
85R49016	205	62	55	0.6	20	--	--
85R49017	205	116	275	0.7	20	--	--
85R49018	205	30	30	0.4	<10	--	--
85R49019	205	660	68	0.7	<10	--	--
85R49020	205	2500	85	4.5	<10	--	--
85R49021	205	30	31	0.4	<10	--	--
85R49022	205	390	65	0.5	<10	--	--

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TO : WHITE GEOPHYSICAL INC. **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8514070-001-A
INVOICE # : I8514070
DATE : 25-JUL-85
P.O. # : NONE
GOLDBRAE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm	Au ppb FA+AA		
85R49138	205	152	43	0.2	<5	--	--
85R49139	205	558	40	1.1	15	--	--
85R49140	205	175	40	0.1	30	--	--
85R49141	205	550	25	0.9	25	--	--
85R49142	205	505	26	0.5	<5	--	--
85R49143	205	43	108	0.9	240	--	--
85R49144	205	50	41	0.4	<5	--	--

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APPENDIX I

SOIL SAMPLES

Chemex Labs Ltd.

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9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512751-001-A
INVOICE # : I8512751
DATE : 20-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
050E 025S BF10	202	66	78	0.7	--	--	--
050E 050S BS10	202	12	14	0.1	--	--	--
050E 075S BG10	202	42	49	0.2	--	--	--
050E 100S BG10	202	40	28	0.3	--	--	--
050E 125S BG10	202	38	118	0.7	--	--	--
050E 150S BF10	202	18	55	0.1	--	--	--
050E 175S BG10	202	14	20	0.2	--	--	--
050E 200S BG10	202	67	72	0.2	--	--	--
050E 225S BG10	202	115	88	0.3	--	--	--
050E 250S BF10	202	9	24	0.1	--	--	--
050E 275S BF10	202	57	48	0.1	--	--	--
050E 300S BF10	202	67	55	0.1	--	--	--
050E 325S BF10	202	25	38	0.1	--	--	--
050E 350S BF10	202	36	105	0.2	--	--	--
050E 375S BG10	202	105	146	0.2	--	--	--
050E 400S BF10	202	23	97	0.2	--	--	--
050E 000N BF15	202	24	49	0.2	--	--	--
050E 025N BF15	202	46	55	0.7	--	--	--
050E 050N CF30	202	83	435	0.5	--	--	--
050E 075N CF30	202	127	1900	1.4	--	--	--
050E 100N CF35	202	147	300	0.5	--	--	--
050E 125N TS25	202	6	12	0.3	--	--	--
050E 150N BS35	202	19	23	1.1	--	--	--
050E 175N BF15	202	95	50	0.1	--	--	--
050E 200N LS10	202	95	51	0.1	--	--	--
050E 225N CG10	202	25	43	0.1	--	--	--
050E 250N TS15	202	39	43	0.1	--	--	--
050E 275N BF15	202	11	17	0.1	--	--	--
050E 300N BF15	202	41	107	0.1	--	--	--
050E 325N BF25	202	47	57	0.1	--	--	--
050E 350N BS30	202	8	26	0.1	--	--	--
050E 375N BS20	202	3	14	0.1	--	--	--
050E 400N BS15	202	13	38	0.1	--	--	--
050E 425N BF25	202	46	37	0.2	--	--	--
050E 450N BF20	202	11	17	0.1	--	--	--
050E 475N TS15	202	4	9	0.1	--	--	--
050E 500N TS10	202	8	38	0.1	--	--	--
050E 525N CS15	202	65	79	0.3	--	--	--
050E 550N SF30	202	16	19	0.1	--	--	--
050E 575N CS15	202	212	230	1.0	--	--	--

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Telex: 043-52597

CERTIFICATE OF ANALYSIS

TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512751-002-A
INVOICE # : 18512751
DATE : 20-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
050E 600N CS10	202	130	130	0.8	--	--	--
100E 025S BG10	202	220	135	1.1	--	--	--
100E 050S BF10	202	170	154	0.6	--	--	--
100E 075S BS10	202	14	38	0.4	--	--	--
100E 100S BS10	202	4	12	0.4	--	--	--
100E 125S BS10	202	2	9	0.3	--	--	--
100E 150S BG10	202	25	53	0.2	--	--	--
100E 175S BF10	202	70	38	0.1	--	--	--
100E 200S BF10	202	12	32	0.1	--	--	--
100E 225S BG10	202	33	50	0.2	--	--	--
100E 250S BG10	202	31	58	0.3	--	--	--
100E 275S BF10	202	15	39	0.1	--	--	--
100E 300S BG10	202	27	53	0.1	--	--	--
100E 325S BG10	202	24	38	0.1	--	--	--
100E 350S BF10	202	18	65	0.4	--	--	--
100E 375S BG10	202	45	63	0.5	--	--	--
100E 400S BG10	202	50	58	0.1	--	--	--
100E 000N BF25	202	255	190	1.4	--	--	--
100E 025N BS25	202	11	18	0.5	--	--	--
100E 050N BG15	202	54	270	0.5	--	--	--
100E 075N BF10	202	60	180	0.5	--	--	--
100E 100N BF10	202	45	45	0.5	--	--	--
100E 125N BF10	202	120	185	1.1	--	--	--
100E 150N BF10	202	100	54	0.9	--	--	--
100E 200N BF10	202	34	29	0.1	--	--	--
100E 225N BF10	202	11	14	0.1	--	--	--
100E 250N CG10	202	4	15	0.1	--	--	--
100E 275N BF10	202	20	35	0.2	--	--	--
100E 300N BF10	202	8	12	0.1	--	--	--
100E 325N BS10	202	1	8	0.1	--	--	--
100E 350N CS10	202	6	18	0.1	--	--	--
100E 375N BF10	202	6	15	0.1	--	--	--
100E 400N BF10	202	12	30	0.1	--	--	--
100E 425N BF10	202	20	25	0.1	--	--	--
100E 450N BF10	202	6	15	0.1	--	--	--
100E 475N BF10	202	14	26	0.1	--	--	--
100E 500N BF10	202	33	38	0.2	--	--	--
100E 525N BG05	202	31	40	0.3	--	--	--
100E 550N BG05	202	23	39	0.8	--	--	--
100E 575N BG10	202	43	62	0.3	--	--	--

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TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512751-003-A
INVOICE # : I8512751
DATE : 20-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
100E 600N BF10	202	85	92	0.8	--	--	--
150E 000S	202	53	117	1.1	--	--	--
150E 025S	202	33	228	0.4	--	--	--
150E 050S BF10	202	58	87	0.6	--	--	--
150E 075S BS10	202	4	11	0.5	--	--	--
150E 100S BS10	202	3	10	0.5	--	--	--
150E 125S BG10	202	21	41	0.6	--	--	--
150E 150S BS10	202	3	7	0.4	--	--	--
150E 175S BS10	202	3	22	0.4	--	--	--
150E 200S	202	80	122	0.7	--	--	--
150E 225S BF10	202	43	127	0.4	--	--	--
150E 250S BF10	202	54	66	0.4	--	--	--
150E 275S BF10	202	24	37	0.1	--	--	--
150E 300S BF10	202	34	40	0.2	--	--	--
150E 325S BF10	202	63	94	0.4	--	--	--
150E 350S BF10	202	32	68	0.3	--	--	--
150E 375S BF10	202	120	59	0.3	--	--	--
150E 400S BF10	202	30	48	0.2	--	--	--
150E 025N BF10	202	66	75	0.3	--	--	--
150E 050N BF10	202	140	130	0.7	--	--	--
150E 075N BF10	202	460	93	0.7	--	--	--
150E 100N BF10	202	27	27	0.2	--	--	--
150E 125N BF10	202	320	283	0.8	--	--	--
150E 140N BF10	202	40	47	0.6	--	--	--
150E 175N BF10	202	13	28	0.1	--	--	--
150E 200N BS10	202	6	10	0.1	--	--	--
150E 225N BS10	202	30	42	0.3	--	--	--
150E 250N BF10	202	15	28	0.2	--	--	--
150E 275N BF10	202	24	30	0.1	--	--	--
150E 300N BS10	202	10	18	0.1	--	--	--
150E 325N BS10	202	9	21	0.1	--	--	--
150E 350N CS10	202	14	22	0.1	--	--	--
150E 375N BF10	202	32	38	0.1	--	--	--
150E 400N	202	22	39	0.2	--	--	--
150E 425N BS10	202	5	9	0.1	--	--	--
150E 450N BS10	202	22	31	0.2	--	--	--
150E 475N BF10	202	45	43	0.1	--	--	--
150E 500N BF10	202	22	28	0.1	--	--	--
150E 525N BS10	202	68	78	0.5	--	--	--
150E 550N	202	64	46	0.2	--	--	--

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9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512751-004-A
INVOICE # : I8512751
DATE : 20-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
150E 575N BF10	202	15	22	0.1	--	--	--
150E 600N BF10	202	9	18	0.1	--	--	--
200E 000S BF10	202	12	22	0.1	--	--	--
200E 025S BF10	202	24	84	0.2	--	--	--
200E 050S BF10	202	136	495	0.5	--	--	--
200E 075S	202	13	32	0.1	--	--	--
200E 100S BF10	202	18	53	0.4	--	--	--
200E 125S BS10	202	5	15	0.1	--	--	--
200E 150S BF10	202	82	55	0.3	--	--	--
200E 175S	202	29	44	0.2	--	--	--
200E 200S BF10	202	27	43	0.2	--	--	--
200E 225S BF10	202	16	33	0.1	--	--	--
200E 250S BF10	202	86	82	0.2	--	--	--
200E 275S BF10	202	32	47	0.3	--	--	--
200E 300S BF10	202	35	87	0.3	--	--	--
200E 325S BF10	202	14	26	0.1	--	--	--
200E 350S BF10	202	180	145	0.2	--	--	--
200E 375S BF10	202	115	186	0.3	--	--	--
200E 025N BF15	202	86	118	0.7	--	--	--
2003 050N BF15	202	94	70	0.1	--	--	--
200E 075N TF10	202	12	37	0.1	--	--	--
200E 100N OF15	202	67	37	0.4	--	--	--
200E 125N BF10	202	28	58	0.1	--	--	--
200E 150N BF10	202	118	62	0.1	--	--	--
200E 175N BG10	202	87	49	0.1	--	--	--
200E 200N BG10	202	22	31	0.1	--	--	--
200E 225N BG10	202	27	48	0.2	--	--	--
200E 250N BF20	202	11	27	0.4	--	--	--
200E 275N BF10	202	27	42	0.3	--	--	--
200E 300N BG10	202	25	39	0.1	--	--	--
200E 325N BS30	202	7	18	0.1	--	--	--
200E 350N BG10	202	16	32	0.3	--	--	--
200E 375N BS20	202	30	55	0.2	--	--	--
200E 400N BF10	202	20	35	0.1	--	--	--
200E 425N BF10	202	15	20	0.1	--	--	--
200E 450N BS10	202	40	35	0.1	--	--	--
200E 475N BG20	202	11	23	0.1	--	--	--
200E 500N BF10	202	64	49	0.1	--	--	--
200E 525N OS10	202	2	9	0.1	--	--	--
200E 550N BG10	202	12	19	0.1	--	--	--

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9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512751-005-A
INVOICE # : I8512751
DATE : 20-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
300E 000N BF15	202	101	35	0.3	--	--	--
300E 050N BF15	202	123	38	0.1	--	--	--
300E 100N TS20	202	6	14	0.1	--	--	--
300E 150N BG20	202	230	46	0.2	--	--	--
300E 200N TS20	202	10	12	0.1	--	--	--
300E 250N BF15	202	220	62	0.3	--	--	--
300E 300N TF10	202	205	26	0.3	--	--	--
300E 350N BG10	202	12	17	0.1	--	--	--
300E 400N BS10	202	31	44	0.1	--	--	--
300E 450N BF10	202	42	30	0.1	--	--	--
300E 500N BC15	202	6	27	0.1	--	--	--
300E 550N BF10	202	7	31	0.1	--	--	--
300E 600N BF15	202	25	39	0.3	--	--	--
400E 050S BG05	202	25	45	0.1	--	--	--
400E 100S BF30	202	33	45	0.1	--	--	--
400E 150S BF20	202	30	498	0.7	--	--	--
400E 250S BF30	202	14	46	0.1	--	--	--
400E 300S OG30	202	10	52	0.1	--	--	--
400E 350S OF30	202	2	23	0.1	--	--	--
400E 400S BG30	202	20	123	0.1	--	--	--
400E 450S BF10	202	23	49	0.1	--	--	--
400E 500S BF10	202	52	54	0.1	--	--	--
400E 550S BF10	202	18	32	0.1	--	--	--
400E 600S BF30	202	23	55	0.1	--	--	--
400E 700S BF00	202	63	105	0.3	--	--	--
400E 750S BG10	202	22	8	0.2	--	--	--
400E 800S BG20	202	40	198	0.1	--	--	--
400E 850S BG10	202	20	77	0.1	--	--	--
400E 900S BG05	202	25	84	0.2	--	--	--
400E 950S BG05	202	50	57	0.2	--	--	--
400E 1000S BG05	202	25	48	0.1	--	--	--
400E 1050S BG05	202	17	44	0.4	--	--	--
400E 1100S BG05	202	88	69	0.1	--	--	--
400E 000N BF20	202	63	52	0.2	--	--	--
400E 050N BG10	202	54	47	0.1	--	--	--
400E 100N BG10	202	49	62	0.2	--	--	--
400E 150N SS10	202	220	108	0.4	--	--	--
400E 200N BF05	202	90	39	0.4	--	--	--
400E 250N OF10	202	130	30	0.3	--	--	--
400E 300N BF10	202	37	37	0.2	--	--	--

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CERTIFICATE OF ANALYSIS

TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512751-006-A
INVOICE # : I8512751
DATE : 20-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
400E 350N BF05	202	43	48	0.4	--	--	--
400E 400N BG30	202	9	37	0.1	--	--	--
400E 450N BF20	202	46	44	0.2	--	--	--
400E 500N BG10	202	15	24	0.1	--	--	--
400E 550N BF10	202	23	53	0.1	--	--	--
400E 600N DF10	202	9	20	0.1	--	--	--
500E 000N BG20	202	7	14	0.1	--	--	--
500E 050N BF15	202	126	46	0.2	--	--	--
500E 100N BF10	202	196	52	0.4	--	--	--
500E 150N TS05	202	14	14	0.2	--	--	--
500E 200N BF15	202	30	33	0.2	--	--	--
500E 250N BG10	202	22	36	0.2	--	--	--
500E 300N BG15	202	25	48	0.3	--	--	--
500E 350N	202	49	38	0.2	--	--	--
500E 400N BF15	202	65	55	0.4	--	--	--
500E 450N BF15	202	75	38	0.2	--	--	--
500E 500N BF20	202	22	33	0.2	--	--	--
500E 550N BF20	202	23	39	0.5	--	--	--
500E 600N BF20	202	14	17	0.2	--	--	--
600E 000N BG15	202	91	51	0.2	--	--	--
600E 050N BG15	202	73	30	0.1	--	--	--
600E 100N BG15	202	66	47	0.4	--	--	--
600E 150N BG15	202	690	56	2.0	--	--	--
600E 200N BG20	202	47	44	0.3	--	--	--
600E 250N BF15	202	38	35	0.1	--	--	--
600E 300N TF05	202	31	24	0.1	--	--	--
600E 350N BF15	202	200	71	0.3	--	--	--
600E 400N BG20	202	18	23	0.1	--	--	--
600E 450N TS10	202	5	15	0.2	--	--	--
600E 500N BG15	202	32	26	0.1	--	--	--
600E 550N BF15	202	3	13	0.1	--	--	--
600E 600N BF15	202	68	39	0.1	--	--	--
700E 000N BF25	202	62	37	0.3	--	--	--
700E 050N BF10	202	110	51	0.5	--	--	--
700E 100N BF10	202	145	66	0.4	--	--	--
700E 150N BF20	202	160	82	0.3	--	--	--
700E 200N BF15	202	45	55	0.2	--	--	--
700E 250N TS05	202	8	11	0.1	--	--	--
700E 300N BF10	202	10	18	0.1	--	--	--
700E 350N TS15	202	13	37	0.1	--	--	--

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CERTIFICATE OF ANALYSIS

TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512752-001-A
INVOICE # : I8512752
DATE : 20-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
700E 400N BS15	202	30	36	0.2	--	--	--
700E 450N BS10	202	30	37	0.3	--	--	--
700E 500N BF15	202	62	46	0.4	--	--	--
700E 550N BF10	202	170	59	0.3	--	--	--
700E 600N BF15	202	150	70	0.5	--	--	--
000W 025S BS15	202	390	50	1.4	--	--	--
000W 050S BS20	202	54	30	0.8	--	--	--
000W 075S BF15	202	41	60	0.6	--	--	--
000W 100S BF10	202	3	11	0.7	--	--	--
000W 125S BF15	202	152	115	1.2	--	--	--
000W 150S TG25	202	51	172	0.3	--	--	--
000W 175S BF10	202	120	143	0.3	--	--	--
000W 200S BC10	202	11	25	0.1	--	--	--
000W 225S BF15	202	64	61	0.4	--	--	--
000W 250S BF20	202	72	55	0.5	--	--	--
000W 275S SG05	202	85	78	0.4	--	--	--
000W 300S TG	202	95	150	0.4	--	--	--
000W 325S BF20	202	88	97	0.4	--	--	--
000W 350S BF15	202	76	83	0.5	--	--	--
000W 375S TG25	202	23	51	0.2	--	--	--
000W 400S TG20	202	12	33	0.3	--	--	--
000W 000N BS20	202	650	168	1.8	--	--	--
000W 025N TS05	202	54	14	0.9	--	--	--
000W 050N TS30	202	365	640	2.3	--	--	--
000W 075N BS20	202	10	18	0.9	--	--	--
000W 100N BS30	202	5	13	0.6	--	--	--
000W 125N TS10	202	21	25	0.4	--	--	--
000W 150N TS20	202	41	25	0.3	--	--	--
000W 175N SS15	202	310	76	0.5	--	--	--
000W 225N BF15	202	34	28	0.3	--	--	--
000W 250N SF25	202	56	58	0.7	--	--	--
000W 275N SF25	202	28	34	0.3	--	--	--
000W 300N DS40	202	62	53	0.7	--	--	--
000W 325N BS20	202	8	16	0.2	--	--	--
000W 350N BS15	202	1	12	0.2	--	--	--
000W 375N BF25	202	37	39	0.1	--	--	--
000W 400N BF20	202	30	34	0.3	--	--	--
000W 425N BS20	202	44	41	0.3	--	--	--
000W 450N BF15	202	21	32	0.1	--	--	--
000W 475N BS15	202	54	41	0.3	--	--	--

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9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512752-002-A
INVOICE # : I8512752
DATE : 20-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
000W 500N SF20	202	45	40	0.3	--	--	--
000W 525N BS10	202	56	100	0.5	--	--	--
000W 550N SS15	202	63	83	0.6	--	--	--
000W 575N BF25	202	21	29	0.4	--	--	--
000W 600N TG20	202	98	110	0.6	--	--	--
050W 000S BS10	202	17	16	0.8	--	--	--
050W 025S BS10	202	32	20	0.8	--	--	--
050W 050S BG10	202	28	63	0.6	--	--	--
050W 075S BS10	202	17	28	0.5	--	--	--
050W 100S BS10	202	38	140	0.5	--	--	--
050W 125S SF10	202	75	82	0.4	--	--	--
050W 150S BF10	202	54	53	0.5	--	--	--
050W 175S SG10	202	160	1450	0.5	--	--	--
050W 200S BS10	202	53	580	0.2	--	--	--
050W 225S BS10	202	26	80	0.2	--	--	--
050W 250S BS10	202	130	183	0.4	--	--	--
050W 275N BS20	202	21	40	0.1	--	--	--
050W 300S BG20	202	56	80	0.2	--	--	--
050W 325S BG10	202	82	135	0.5	--	--	--
050W 350S BS20	202	32	46	0.3	--	--	--
050W 375S BS10	202	60	70	0.4	--	--	--
050W 025N BS25	202	750	43	2.1	--	--	--
050W 050N BS20	202	57	19	0.6	--	--	--
050W 075N BS15	202	120	43	0.7	--	--	--
050W 125N BS10	202	305	47	0.8	--	--	--
050W 150N BS15	202	8	21	0.2	--	--	--
050W 175N BC10	202	60	63	0.7	--	--	--
050W 200N BC10	202	52	95	0.7	--	--	--
050W 225N BC20	202	62	43	0.5	--	--	--
050W 250N	202	62	36	0.4	--	--	--
050W 275N BC20	202	59	35	0.2	--	--	--
050W 300N BC10	202	94	47	0.2	--	--	--
050W 325N	202	132	44	0.4	--	--	--
050W 350N TS00	202	50	39	0.2	--	--	--
050W 375N BF30	202	98	61	0.4	--	--	--
050W 400N BS05	202	58	57	0.4	--	--	--
050W 425N BS05	202	56	77	0.5	--	--	--
050W 450N BS20	202	133	49	0.6	--	--	--
050W 475N BS05	202	230	95	0.7	--	--	--
0502 500N BS10	202	355	83	1.4	--	--	--

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CERTIFICATE OF ANALYSIS

TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512752-003-A
INVOICE # : I8512752
DATE : 20-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
050W 525N BS10	202	81	83	0.7	--	--	--
050W 550N BS20	202	34	45	0.5	--	--	--
050W 575N OC40	202	32	29	0.3	--	--	--
050W 600N BF10	202	56	43	0.4	--	--	--
100W 025S TG20	202	30	187	0.9	--	--	--
100W 050S BG20	202	85	89	0.8	--	--	--
100W 075S BF15	202	10	66	0.4	--	--	--
100W 100S TF10	202	13	35	0.6	--	--	--
100W 125S TF05	202	17	34	0.2	--	--	--
100W 150S TS15	202	72	45	0.5	--	--	--
100W 175S TS20	202	34	29	0.4	--	--	--
100W 200S BF25	202	41	62	0.5	--	--	--
100W 225S BS20	202	35	35	0.5	--	--	--
100W 250S BF25	202	6	43	0.5	--	--	--
100W 275S BF30	202	52	110	0.5	--	--	--
100W 300S TF20	202	6	75	0.6	--	--	--
100W 313S BF15	202	95	100	0.8	--	--	--
100W 000N BS30	202	20	31	0.9	--	--	--
100W 025N BS20	202	1020	110	1.4	--	--	--
100W 050N BS10	202	445	58	0.6	--	--	--
100W 075N OS40	202	17	13	0.5	--	--	--
100W 100N BS30	202	160	78	0.7	--	--	--
100W 125N BS20	202	110	35	0.5	--	--	--
100W 150N	202	86	67	0.7	--	--	--
100W 175N OC10	202	5	15	0.3	--	--	--
100W 200N BS00	202	170	75	0.6	--	--	--
100W 225N BS15	202	42	31	0.2	--	--	--
100W 250N OS30	202	7	12	0.3	--	--	--
100W 275N OS10	202	3	14	0.2	--	--	--
100W 300N BC10	202	28	31	0.4	--	--	--
100W 325N OS40	202	34	33	0.4	--	--	--
100W 350N AS10	202	105	48	0.4	--	--	--
100W 375N BC10	202	54	82	0.3	--	--	--
100W 400N BF05	202	178	128	0.6	--	--	--
100W 425N BS00	202	65	62	0.5	--	--	--
100W 450N BF05	202	70	73	0.9	--	--	--
100W 475N BC40	202	16	24	0.2	--	--	--
100W 500N BS20	202	285	71	0.5	--	--	--
100W 525N BS30	202	57	55	0.5	--	--	--
100W 550N BS00	202	42	45	0.2	--	--	--

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CERTIFICATE OF ANALYSIS

TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512752-004-A
INVOICE # : I8512752
DATE : 20-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
100W 575N BS10	202	60	49	0.6	--	--	--
100W 600N BS05	202	115	70	0.4	--	--	--
150W 025S CG20	202	142	172	0.7	--	--	--
150W 050S BF25	202	60	58	0.3	--	--	--
150W 075S BF15	202	128	95	0.4	--	--	--
150W 100S BG20	202	38	45	0.5	--	--	--
150W 125S TG20	202	30	39	0.5	--	--	--
150W 150S TG10	202	58	36	0.3	--	--	--
150W 175S BF30	202	58	45	0.3	--	--	--
150W 200S TF20	202	48	56	0.3	--	--	--
150W 225S BF20	202	124	112	0.7	--	--	--
150W 250S TF15	202	4	17	0.2	--	--	--
150W 275S BF20	202	47	120	0.5	--	--	--
150W 300S BG25	202	72	60	0.3	--	--	--
150W 325S BF25	202	30	81	0.3	--	--	--
150W 350S BF20	202	105	54	0.3	--	--	--
150W 375S BF20	202	30	51	0.1	--	--	--
150W 400S TF15	202	22	37	0.1	--	--	--
150W 000N CF50	202	340	485	0.5	--	--	--
150W 025N BG35	202	50	83	1.0	--	--	--
105W 050N BS25	202	132	108	1.0	--	--	--
150W 075N BS20	202	91	50	0.6	--	--	--
150W 100N BS20	202	43	52	0.6	--	--	--
150W 125N BF20	202	82	59	0.8	--	--	--
150W 150N BF15	202	105	71	0.5	--	--	--
150W 175N BF15	202	1260	50	3.7	--	--	--
150W 200N LS15	202	35	35	0.4	--	--	--
150W 225N BF20	202	110	54	0.3	--	--	--
150W 250N BF20	202	220	50	0.4	--	--	--
150W 275N BF20	202	54	37	0.7	--	--	--
150W 300N BF30	202	100	57	1.1	--	--	--
150W 325N BF20	202	62	47	0.3	--	--	--
150W 350N BF20	202	27	33	0.2	--	--	--
150W 375N BF15	202	120	60	0.6	--	--	--
150W 400N BF20	202	180	55	1.7	--	--	--
150W 425N BF10	202	130	65	0.8	--	--	--
150W 450N BF15	202	62	68	1.2	--	--	--
150W 475N BG25	202	180	52	1.0	--	--	--
150W 500N BG25	202	500	153	0.9	--	--	--
150W 525N BF20	202	40	48	0.5	--	--	--

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9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512752-005-A
INVOICE # : I8512752
DATE : 20-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
150W 550N CG20	202	46	58	0.7	--	--	--
150W 575N BF25	202	43	52	0.3	--	--	--
150W 595N BF30	202	54	48	0.5	--	--	--
200W 000S BG10	202	65	51	0.5	--	--	--
200W 025S BG10	202	63	48	0.5	--	--	--
200W 050S BG10	202	140	75	0.4	--	--	--
200W 075S BF10	202	72	55	0.6	--	--	--
200W 100S BG10	202	130	63	0.5	--	--	--
200W 125S BG10	202	40	40	0.4	--	--	--
200W 150S BF10	202	115	49	0.4	--	--	--
200W 175S BF10	202	34	45	0.3	--	--	--
200W 200S BF20	202	22	48	0.6	--	--	--
200W 225S BF10	202	142	145	0.5	--	--	--
200W 250S BF10	202	60	55	0.5	--	--	--
200W 275S BG10	202	48	73	0.2	--	--	--
200W 300S BG10	202	10	51	0.2	--	--	--
200W 325S BG10	202	65	203	0.4	--	--	--
200W 350S BF10	202	90	145	0.6	--	--	--
200W 375S BC10	202	24	75	0.5	--	--	--
200W 400S BG10	202	14	82	0.4	--	--	--
200W 025N	202	62	178	0.7	--	--	--
200W 050N BC15	202	24	48	0.5	--	--	--
200W 075N	202	29	52	0.3	--	--	--
200W 100N BS40	202	27	165	0.5	--	--	--
200W 125N BC35	202	27	42	0.4	--	--	--
200W 150N BC30	202	860	55	1.2	--	--	--
200W 175N BC13	202	475	138	4.5	--	--	--
200W 200N BC15	202	580	170	1.1	--	--	--
200W 225N BC20	202	1260	83	2.3	--	--	--
200W 250N BC40	202	235	118	0.7	--	--	--
200W 275N BC20	202	160	200	0.7	--	--	--
200W 300N BC20	202	72	97	0.7	--	--	--
200W 325N BC20	202	120	48	0.8	--	--	--
200W 350N BC15	202	47	59	0.8	--	--	--
200W 375N BC13	202	255	70	1.0	--	--	--
200W 400N BC10	202	62	45	0.7	--	--	--
200W 425N BC15	202	400	88	0.4	--	--	--
200W 450N BC40	202	60	52	0.3	--	--	--
200W 475N BC30	202	24	39	0.6	--	--	--
200W 500N BC10	202	137	135	0.8	--	--	--

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9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512752-006-A
INVOICE # : I8512752
DATE : 20-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
200W 525N BC05	202	35	88	1.6	--	--	--
200W 550N BF00	202	51	65	0.7	--	--	--
200W 575N BC20	202	150	68	0.5	--	--	--
200W 600N BC20	202	73	58	0.7	--	--	--
250W 025S	202	24	32	0.2	--	--	--
250W 050S BC10	202	27	18	0.1	--	--	--
250W 075S BF05	202	80	64	0.4	--	--	--
250W 100S BF05	202	152	60	0.4	--	--	--
250W 150S BG05	202	63	60	0.7	--	--	--
250W 175S BG20	202	21	36	0.5	--	--	--
250W 200S BF05	202	58	83	0.5	--	--	--
250W 225S BG10	202	64	215	0.8	--	--	--
250W 250S BG20	202	78	65	0.6	--	--	--
250W 275S BC05	202	51	73	0.4	--	--	--
250W 300S BC05	202	46	63	0.4	--	--	--
250W 325S BC05	202	48	65	0.4	--	--	--
250W 350S BG10	202	20	47	0.3	--	--	--
250W 375S BG20	202	38	75	0.6	--	--	--
250W 400S BG05	202	27	112	0.6	--	--	--
250W 000N BG10	202	120	118	0.6	--	--	--
250W 025N BG20	202	10	21	0.2	--	--	--
250W 050N BG10	202	64	55	0.7	--	--	--
250W 075N BG10	202	53	71	0.4	--	--	--
250W 100N BG10	202	4	65	0.2	--	--	--
250W 125N BG10	202	125	75	0.7	--	--	--
250W 150N BS30	202	27	27	0.3	--	--	--
250W 175N BG10	202	65	32	0.6	--	--	--
250W 200N BG10	202	115	47	0.4	--	--	--
250W 225N BG10	202	285	188	0.5	--	--	--
250W 250N BG10	202	65	29	0.3	--	--	--
250W 275N BG10	202	21	43	0.2	--	--	--
250W 300N BG10	202	192	305	0.9	--	--	--
250W 325N BG10	202	110	97	0.5	--	--	--
250W 350N BG10	202	160	53	0.6	--	--	--
250W 375N BG10	202	65	59	0.4	--	--	--
250N 400N BG10	202	220	75	1.2	--	--	--
250N 425N BG10	202	52	67	0.4	--	--	--
250N 450N BG10	202	50	110	0.4	--	--	--
250N 475N BG05	202	260	315	0.8	--	--	--
250W 500N BG20	202	40	40	0.5	--	--	--

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TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512766-001-A
INVOICE # : 18512766
DATE : 20-JUN-85
P.O. # : NONE
G

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
250W 525N BG10	202	36	73	0.4	--	--	--
250W 550N BG10	202	50	88	1.2	--	--	--
250W 575N BG05	202	42	61	0.4	--	--	--
250W 600N BG05	202	72	65	0.6	--	--	--
300W 025S BG10	202	64	61	0.4	--	--	--
300W 050S BG50	202	245	53	0.7	--	--	--
300W 075S BG10	202	290	53	0.6	--	--	--
300W 100S BG10	202	145	73	0.3	--	--	--
300W 125S BG10	202	110	63	0.4	--	--	--
300W 150S BG10	202	98	65	0.7	--	--	--
300W 175S BG10	202	76	140	0.6	--	--	--
300W 200S BG10	202	67	112	0.6	--	--	--
300W 225S BG10	202	46	310	0.5	--	--	--
300W 250S BG10	202	21	112	0.5	--	--	--
300W 275S BG10	202	56	167	0.4	--	--	--
300W 300S BG10	202	72	75	0.5	--	--	--
300W 325S BG10	202	74	100	0.5	--	--	--
300W 350S BG10	202	132	98	0.4	--	--	--
300W 375S BG10	202	56	95	0.6	--	--	--
300W 400S BG10	202	91	110	0.4	--	--	--
300W 000N BG10	202	30	44	0.3	--	--	--
300W 025N BF10	202	52	113	0.4	--	--	--
300W 050N BG10	202	37	79	0.6	--	--	--
300W 075N BG10	202	510	98	1.1	--	--	--
300W 100N BG10	202	138	59	0.6	--	--	--
300W 125N BG10	202	208	83	0.4	--	--	--
300W 150N BG10	202	425	203	0.7	--	--	--
300W 175N BG10	202	60	41	0.4	--	--	--
300W 200N BG10	202	620	365	0.9	--	--	--
300W 225N BF10	202	78	110	0.6	--	--	--
300W 250N BG10	202	112	77	0.6	--	--	--
300W 275N BG10	202	205	195	0.5	--	--	--
300W 300N BG10	202	191	137	0.6	--	--	--
300W 325N BG10	202	120	182	0.7	--	--	--
300W 350N BG10	202	86	178	0.8	--	--	--
300W 375N BF10	202	160	192	0.8	--	--	--
300W 400N BG10	202	92	175	0.6	--	--	--
300W 425N BG10	202	136	265	0.8	--	--	--
300W 450N BF10	202	147	253	0.7	--	--	--
300W 475N BG10	202	225	240	0.5	--	--	--

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TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512766-002-A
INVOICE # : I8512766
DATE : 20-JUN-85
P.O. # : NONE
G

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
300W 500N BG10	202	126	135	0.5	--	--	--
300W 525N BG10	202	41	66	0.3	--	--	--
300W 550N BG10	202	20	53	0.3	--	--	--
300W 575N BG10	202	56	115	1.1	--	--	--
300W 600N BG10	202	63	135	0.7	--	--	--
300W 625N BG10	202	72	105	0.7	--	--	--
300W 650N BG10	202	103	87	0.7	--	--	--
300W 675N BG10	202	87	90	0.9	--	--	--
300W 700N BG10	202	34	55	0.8	--	--	--
300W 725N BG10	202	51	75	0.6	--	--	--
300W 750N BG10	202	93	85	0.4	--	--	--
350W 025S BF10	202	82	57	0.6	--	--	--
350W 050S BG05	202	30	102	0.3	--	--	--
350W 075S OC20	202	4	16	0.1	--	--	--
350W 100S BG10	202	64	51	0.5	--	--	--
350W 125S BG10	202	97	140	1.4	--	--	--
350W 150S BG20	202	43	112	1.2	--	--	--
350W 175S BG10	202	36	65	0.6	--	--	--
350W 200S BG10	202	40	80	0.4	--	--	--
350W 225S BG20	202	20	165	0.6	--	--	--
350W 250S BG20	202	50	200	0.5	--	--	--
350W 275S BG30	202	25	81	0.7	--	--	--
350W 300S BG20	202	100	125	1.3	--	--	--
350W 325S BG20	202	15	47	0.5	--	--	--
350W 350S BG30	202	25	44	0.5	--	--	--
350W 375S BG10	202	110	85	0.8	--	--	--
350W 400S BG05	202	35	53	0.4	--	--	--
350W 025N BF10	202	33	46	0.5	--	--	--
350W 050N BG10	202	23	75	0.6	--	--	--
350W 075N BG10	202	20	43	0.3	--	--	--
350W 100N BG10	202	63	85	0.7	--	--	--
350W 125N BG10	202	95	138	0.7	--	--	--
350W 150N BF10	202	68	59	0.7	--	--	--
350W 175N BG10	202	118	127	0.8	--	--	--
350W 200N BG10	202	144	105	0.6	--	--	--
350W 225N BG10	202	131	108	0.6	--	--	--
350W 250N BG10	202	97	135	0.9	--	--	--
350W 275N BG10	202	155	117	0.7	--	--	--
350W 300N BG10	202	110	58	0.8	--	--	--
350W 325N BG10	202	82	120	0.7	--	--	--

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TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD.. **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512766-003-A
INVOICE # : I8512766
DATE : 20-JUN-85
P.O. # : NONE
G

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
350W 350N BG10	202	65	72	0.6	--	--	--
350W 375N BG10	202	36	76	0.5	--	--	--
350W 400N BG10	202	162	165	0.8	--	--	--
350W 425N BG10	202	177	140	0.7	--	--	--
350W 450N BF10	202	74	168	0.8	--	--	--
350W 475N BG10	202	66	168	0.7	--	--	--
350W 500N BF10	202	76	40	0.5	--	--	--
350W 525N BF10	202	115	82	0.8	--	--	--
350W 550N BG10	202	156	83	0.7	--	--	--
350W 575N BF10	202	60	68	0.5	--	--	--
350W 600N BF10	202	125	83	0.6	--	--	--
350W 625N BF10	202	42	50	0.5	--	--	--
350W 650N BF10	202	40	68	0.6	--	--	--
350W 675N BG10	202	120	87	0.6	--	--	--
350W 700N BG10	202	64	50	0.5	--	--	--
350W 725N BF10	202	33	50	0.4	--	--	--
400W 000S BF15	202	68	105	0.4	--	--	--
400W 025S BF15	202	40	52	0.5	--	--	--
400W 050S BF20	202	73	61	0.3	--	--	--
400W 075S CF30	202	70	95	0.6	--	--	--
400W 100S BF15	202	8	26	0.3	--	--	--
400W 125S BG15	202	35	46	0.3	--	--	--
400W 150S BG15	202	66	59	0.5	--	--	--
400W 175S BG15	202	30	125	0.6	--	--	--
400W 200S BG15	202	13	55	0.3	--	--	--
400W 225S BF15	202	42	100	0.5	--	--	--
400W 250S BG20	202	21	68	0.3	--	--	--
400W 275S BG15	202	43	262	0.8	--	--	--
400W 300S BF15	202	43	74	0.6	--	--	--
400W 325S BF15	202	25	85	0.7	--	--	--
400W 350S BF15	202	67	93	0.6	--	--	--
400W 375S BF20	202	39	73	0.5	--	--	--
400W 400S BF20	202	22	49	0.5	--	--	--
400W 450S	202	40	77	0.4	--	--	--
400W 500S	202	54	113	0.7	--	--	--
400W 530S	202	48	80	0.6	--	--	--
400W 600S BF10	202	58	78	0.4	--	--	--
400W 650S BS10	202	42	58	0.3	--	--	--
400W 700S BF10	202	38	73	0.6	--	--	--
400W 750S BF10	202	22	51	0.3	--	--	--

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CERTIFICATE OF ANALYSIS

TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512766-004-A
INVOICE # : I8512766
DATE : 20-JUN-85
P.O. # : NONE
G

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
400W 800S BF10	202	63	53	0.4	--	--	--
400W 850S	202	40	95	0.4	--	--	--
400W 900S BS10	202	18	30	0.3	--	--	--
400W 950S BF10	202	31	37	0.4	--	--	--
400W 990S BF10	202	42	63	0.2	--	--	--
400W 1100S CS10	202	11	28	0.2	--	--	--
400W 1150S BF10	202	54	60	0.5	--	--	--
400W 025N BF25	202	127	78	0.5	--	--	--
400W 050N BF20	202	147	100	0.5	--	--	--
400W 075N BF20	202	73	115	0.6	--	--	--
400W 100N BS25	202	118	128	0.5	--	--	--
400W 125N BF20	202	1350	940	1.1	--	--	--
400W 150N BF15	202	260	173	0.5	--	--	--
400W 175N SF15	202	230	82	0.5	--	--	--
400W 200N BF20	202	315	85	0.9	--	--	--
400W 225N BF10	202	96	57	0.7	--	--	--
400W 250N CS15	202	135	98	0.7	--	--	--
400W 275N TG	202	360	70	0.6	--	--	--
400W 300N CF20	202	83	78	0.8	--	--	--
400W 325N BF15	202	68	87	0.5	--	--	--
400W 350N BF20	202	102	142	0.6	--	--	--
400W 375N BF15	202	122	238	0.4	--	--	--
400W 400N SS15	202	128	110	0.5	--	--	--
400W 425N CF30	202	108	128	0.6	--	--	--
400W 450N BG15	202	35	54	0.7	--	--	--
400W 475N TG10	202	110	202	0.6	--	--	--
400W 500N BF15	202	67	75	0.4	--	--	--
400W 525N BF15	202	150	72	0.5	--	--	--
400W 550N TF10	202	28	64	0.4	--	--	--
400W 575N TF10	202	58	60	0.4	--	--	--
400W 600N BF15	202	73	57	0.3	--	--	--
400W 625N BG10	202	60	80	0.6	--	--	--
400W 650N BG10	202	38	123	0.4	--	--	--
400W 675N BG10	202	120	92	0.6	--	--	--
400W 700N BG10	202	28	35	0.3	--	--	--
400W 725N BF10	202	50	75	0.4	--	--	--
400W 750N BG	202	74	93	0.4	--	--	--
450W 025S	202	145	125	0.3	--	--	--
450W 050S BG15	202	45	83	0.6	--	--	--
450W 075S BG15	202	34	48	0.5	--	--	--

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CERTIFICATE OF ANALYSIS

TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512766-005-A
INVOICE # : I8512766
DATE : 20-JUN-85
P.O. # : NONE
G

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
450W 100S TG15	202	30	35	0.4	--	--	--
450W 125S TG15	202	70	67	0.5	--	--	--
450W 150S TG10	202	18	43	0.4	--	--	--
450W 175S BF20	202	14	42	0.4	--	--	--
450W 200S BF15	202	26	60	0.3	--	--	--
450W 225S BF10	202	40	132	0.3	--	--	--
450W 250S BF10	202	22	92	0.4	--	--	--
450W 300S BF15	202	40	165	0.3	--	--	--
450W 325S BF10	202	70	1000	0.5	--	--	--
450W 350S BG10	202	63	300	0.4	--	--	--
450W 375S BG05	202	46	125	0.5	--	--	--
450W 400S BG15	202	50	68	0.8	--	--	--
450W 000N BG10	202	105	84	0.4	--	--	--
450W 025N BG10	202	72	100	0.5	--	--	--
450W 050N BG10	202	94	267	0.5	--	--	--
450W 075N BG10	202	146	135	0.5	--	--	--
450W 100N BG10	202	1300	480	0.4	--	--	--
450W 125N BF10	202	2200	510	0.7	--	--	--
450W 150N BG10	202	140	108	0.6	--	--	--
450W 175N BG10	202	255	100	0.6	--	--	--
450W 200N BG10	202	78	75	0.5	--	--	--
450W 225N BG10	202	180	125	0.4	--	--	--
450W 250N BG10	202	63	49	0.8	--	--	--
450W 275N BG10	202	105	83	0.5	--	--	--
450W 300N BG10	202	82	90	0.4	--	--	--
450W 325N BG10	202	83	175	0.4	--	--	--
450W 350N BG10	202	85	108	0.4	--	--	--
450W 375N BG10	202	153	108	0.3	--	--	--
450W 400N BG10	202	67	110	0.4	--	--	--
450W 425N BG10	202	70	73	0.3	--	--	--
450W 450N BG10	202	95	103	0.5	--	--	--
450W 475N BG10	202	74	71	0.3	--	--	--
450W 500N BG10	202	130	123	0.3	--	--	--
450W 525N BG10	202	370	122	0.2	--	--	--
450W 550N BF10	202	68	118	0.3	--	--	--
450W 575N BG10	202	75	203	0.4	--	--	--
450W 600N BG10	202	60	215	0.5	--	--	--
450W 625N BG10	202	45	72	0.3	--	--	--
450W 650N BG10	202	70	175	0.3	--	--	--
450W 675N BG10	202	78	100	0.1	--	--	--

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TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512766-006-A
INVOICE # : I8512766
DATE : 20-JUN-85
P.O. # : NONE
G

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
450W 700N BG10	202	165	108	0.2	--	--	--
450W 725N BG10	202	72	63	0.3	--	--	--
450W 750N BG10	202	37	97	0.3	--	--	--
500W 025S BF15	202	77	65	0.3	--	--	--
500W 050S BG15	202	110	140	0.3	--	--	--
500W 075S BG10	202	47	72	0.5	--	--	--
500W 100S BG10	202	47	57	0.4	--	--	--
500W 125S BG15	202	42	42	0.3	--	--	--
500W 150S BG15	202	45	62	0.2	--	--	--
500W 175S BG15	202	105	45	0.3	--	--	--
500W 200S BG15	202	15	30	0.4	--	--	--
500W 225S BG10	202	66	68	0.3	--	--	--
500W 250S BG15	202	64	80	0.4	--	--	--
500W 275S CG	202	138	85	0.1	--	--	--
500W 300S BG15	202	40	61	0.1	--	--	--
500W 325S BF15	202	54	140	0.2	--	--	--
500W 350S BG05	202	50	60	0.3	--	--	--
500W 375S BF15	202	42	60	0.4	--	--	--
500W 400S BF10	202	82	80	2.3	--	--	--
500W 425S BF15	202	46	65	0.2	--	--	--
500W 450S BG15	202	32	55	0.1	--	--	--
500W 475S BF15	202	63	98	0.2	--	--	--
500W 500S CF	202	65	85	0.2	--	--	--
500W 525S BG10	202	38	53	0.3	--	--	--
500W 550S CF30	202	40	68	0.2	--	--	--
500W 575S CG15	202	62	110	0.2	--	--	--
500W 600S BG10	202	80	132	0.1	--	--	--
500W 625S BF15	202	35	40	0.1	--	--	--
500W 650S BF10	202	36	68	0.2	--	--	--
500W 675S BF10	202	66	74	0.1	--	--	--
500W 700S TG10	202	75	46	0.1	--	--	--
500W 725S TC10	202	3	10	0.2	--	--	--
500W 750S TS03	202	5	14	0.2	--	--	--
500W 775S BF10	202	9	34	0.1	--	--	--
500W 800S BF10	202	62	50	0.2	--	--	--
500W 825S BC20	202	6	12	0.1	--	--	--
500W 850S BF15	202	48	47	0.1	--	--	--
500W 875S TC15	202	16	25	0.2	--	--	--
500W 900S BF15	202	26	35	0.2	--	--	--
500W 925S BF15	202	10	27	0.3	--	--	--

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TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512767-001-A
INVOICE # : I8512767
DATE : 21-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
500W 950S BF10	202	19	32	0.1	--	--	--
500W 975S BG10	202	16	43	0.1	--	--	--
500W 1000S BF05	202	32	47	0.1	--	--	--
500W 1025S BF10	202	45	47	0.1	--	--	--
500W 1050S BF15	202	35	48	0.1	--	--	--
500W 1075S BF15	202	68	110	0.1	--	--	--
500W 1100S BF15	202	48	83	0.1	--	--	--
500W 1125S CF	202	58	88	0.1	--	--	--
500W 1150S BF10	202	18	62	0.1	--	--	--
500W 1175S BF10	202	25	16	0.1	--	--	--
500W 1200S BF10	202	23	88	0.1	--	--	--
500W 1225S TF10	202	41	135	0.1	--	--	--
500W 1243S TF10	202	50	75	0.1	--	--	--
500W 000N BF10	202	128	185	0.1	--	--	--
500W 025N BG10	202	55	13	0.1	--	--	--
500W 050N BF10	202	110	83	0.1	--	--	--
500W 075N BG05	202	180	275	0.4	--	--	--
500W 100N SG10	202	2500	540	0.4	--	--	--
500W 125N BG20	202	73	72	0.1	--	--	--
500W 150N BG10	202	72	80	0.1	--	--	--
500W 175N BG00	202	117	68	0.1	--	--	--
500W 200N BF05	202	45	46	0.1	--	--	--
500W 225N BC10	202	18	34	0.1	--	--	--
500W 250N BG10	202	102	140	0.1	--	--	--
500W 275N BF05	202	112	75	0.1	--	--	--
500W 300N BG10	202	81	175	0.1	--	--	--
500W 325N BF10	202	55	163	0.1	--	--	--
500W 350N BF10	202	36	116	0.1	--	--	--
500W 375N BF10	202	25	63	0.1	--	--	--
500W 400N BG10	202	38	97	0.1	--	--	--
500W 425N BG10	202	71	107	0.1	--	--	--
500W 450N BG20	202	36	60	0.1	--	--	--
500W 475N BG10	202	78	175	0.1	--	--	--
500W 500N BG10	202	24	105	0.1	--	--	--
500W 525N BG10	202	46	125	0.1	--	--	--
500W 550N BF10	202	26	82	0.1	--	--	--
500W 575N BG10	202	44	68	0.1	--	--	--
500W 600N BG10	202	44	160	0.1	--	--	--
500W 625N BG10	202	540	198	0.1	--	--	--
500W 650N BG10	202	52	75	0.1	--	--	--

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TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512767-002-A
INVOICE # : I8512767
DATE : 21-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
500W 675N BG10	202	82	69	0.1	--	--	--
500W 700N BG10	202	153	185	0.1	--	--	--
500W 725N BG10	202	80	72	0.1	--	--	--
500W 750N BG10	202	44	79	0.1	--	--	--
550W 025S SG15	202	107	167	0.1	--	--	--
550W 050S CF	202	220	172	0.1	--	--	--
550W 075S CF30	202	145	147	0.1	--	--	--
550W 100S CF30	202	123	73	0.1	--	--	--
550W 125S BG20	202	90	52	0.1	--	--	--
550W 150S BF15	202	65	74	0.1	--	--	--
550W 175S CG	202	95	65	0.1	--	--	--
550W 200S TG20	202	14	32	0.1	--	--	--
550W 225S BC15	202	62	97	0.1	--	--	--
550W 250S BG15	202	52	48	0.1	--	--	--
550W 275S BG15	202	59	70	0.1	--	--	--
550W 300S BG20	202	20	32	0.1	--	--	--
550W 325S OF30	202	35	183	0.1	--	--	--
550W 350S OS40	203	18	32	0.2	--	--	--
550W 400S CG10	202	105	95	0.1	--	--	--
550W 000N BG00	202	19	37	0.1	--	--	--
550W 025N BF20	202	62	98	0.1	--	--	--
550W 050N BF05	202	75	132	0.1	--	--	--
550W 075N BG20	202	120	148	0.1	--	--	--
550W 100N BG30	202	290	300	0.1	--	--	--
550W 125N BG10	202	250	138	0.1	--	--	--
550W 150N BG10	202	18	29	0.1	--	--	--
550W 175N BG10	202	65	68	0.1	--	--	--
550W 225N BF20	202	27	34	0.1	--	--	--
550W 250N BF10	202	78	160	0.1	--	--	--
550W 275N BF20	202	54	83	0.1	--	--	--
550W 300N BG30	202	44	103	0.1	--	--	--
550W 325N BG10	202	17	86	0.1	--	--	--
550W 350N BG05	202	55	118	0.1	--	--	--
550W 375N BG10	202	50	82	0.1	--	--	--
550W 400N BG10	202	100	110	0.1	--	--	--
550W 425N BG10	202	26	38	0.1	--	--	--
550W 450N BG20	202	20	42	0.1	--	--	--
550W 475N BG05	202	80	110	0.1	--	--	--
550W 500N BF10	202	52	65	0.1	--	--	--
550W 525N BG30	202	43	52	0.1	--	--	--

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TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512767-003-A
INVOICE # : I8512767
DATE : 21-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
550W 550N BF20	202	78	125	0.1	--	--	--
550W 575N BG20	202	26	105	0.1	--	--	--
550W 600N BG20	202	70	60	0.1	--	--	--
550W 625N BG10	202	36	72	0.1	--	--	--
550W 650N	202	59	105	0.1	--	--	--
550W 700N BG10	202	87	180	0.1	--	--	--
550W 725N BG30	202	48	80	0.1	--	--	--
550W 750N BG20	202	120	115	0.1	--	--	--
600W 025S BF15	202	80	92	0.1	--	--	--
600W 050S TS10	202	51	57	0.1	--	--	--
600W 075S TG05	202	29	37	0.1	--	--	--
600W 100S BF15	202	62	48	0.1	--	--	--
600W 125S BF15	202	57	50	0.1	--	--	--
600W 150S BF20	202	32	42	0.1	--	--	--
600W 175S BF10	202	57	45	0.1	--	--	--
600W 225S CG05	202	85	59	0.1	--	--	--
600W 250S TF05	202	8	16	0.1	--	--	--
600W 275S BF10	202	52	49	0.1	--	--	--
600W 300S BS15	202	18	38	0.1	--	--	--
600W 325S BF10	202	72	39	0.1	--	--	--
600W 410S BF10	202	87	115	0.1	--	--	--
600W 450S BF10	202	12	30	0.1	--	--	--
600W 500S BF10	202	50	47	0.1	--	--	--
600W 550S BF10	202	31	39	0.1	--	--	--
600W 600S BF10	202	42	48	0.1	--	--	--
600W 650S BF10	202	87	68	0.1	--	--	--
600W 700S	202	13	21	0.1	--	--	--
600W 750S BG10	202	50	41	0.1	--	--	--
600W 800S	202	16	32	0.1	--	--	--
600W 850S BS10	202	50	153	0.1	--	--	--
600W 900S B	202	77	116	0.1	--	--	--
600W 950S BF10	202	50	80	0.1	--	--	--
600W 1000S BF10	202	92	108	0.1	--	--	--
600W 1050S BF10	202	71	96	0.1	--	--	--
600W 1100S BS10	202	68	52	0.1	--	--	--
600W 1150S BF10	202	42	285	0.1	--	--	--
600W 1200S BG10	202	16	72	0.1	--	--	--
600W 1225S BG10	202	54	94	0.1	--	--	--
600W 000N LS10	202	140	190	0.1	--	--	--
600W 175N BF00	202	90	148	0.1	--	--	--

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9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512767-004-A
INVOICE # : I8512767
DATE : 21-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
600W 200N BG10	202	52	100	0.1	--	--	--
600W 225N BG40	202	58	155	0.1	--	--	--
600W 250N BG10	202	48	103	0.1	--	--	--
600W 275N BG10	202	110	830	0.1	--	--	--
600W 300N BF10	202	32	53	0.1	--	--	--
600W 350N BG05	202	100	113	0.1	--	--	--
600W 375N BG10	202	70	67	0.1	--	--	--
600W 400N BG10	202	67	60	0.1	--	--	--
600W 425N BG10	202	68	55	0.1	--	--	--
600W 450N	202	93	78	0.1	--	--	--
600W 475N BF10	202	89	107	0.1	--	--	--
600W 500N BG10	202	230	290	0.1	--	--	--
600W 525N BG20	202	17	37	0.1	--	--	--
600W 550N BF10	202	46	72	0.1	--	--	--
600W 600N OF40	202	13	34	0.1	--	--	--
600W 625N BG40	202	11	30	0.1	--	--	--
600W 650N BG10	202	43	120	0.1	--	--	--
600W 675N BG00	202	73	97	0.1	--	--	--
600W 700N BG00	202	24	66	0.1	--	--	--
600W 725N BG10	202	102	250	0.1	--	--	--
600W 750N BG10	202	128	92	0.1	--	--	--
650W 000N BF20	202	95	82	0.1	--	--	--
650W 025N BG00	202	44	47	0.1	--	--	--
650W 050N BF05	202	37	45	0.1	--	--	--
650W 075N BG10	202	125	115	0.1	--	--	--
650W 100N BF15	202	48	50	0.1	--	--	--
650W 125N	202	98	88	0.1	--	--	--
650W 150N BG15	202	107	78	0.1	--	--	--
650W 200N BG20	202	125	110	0.1	--	--	--
650W 225N BG10	202	43	77	0.1	--	--	--
650W 250N BF10	202	83	240	0.1	--	--	--
650W 275N BG10	202	49	68	0.1	--	--	--
650W 300N BG10	202	78	83	0.1	--	--	--
650W 325N BG05	202	110	155	0.1	--	--	--
650W 350N BC20	202	75	72	0.1	--	--	--
650W 375N BG10	202	140	233	0.1	--	--	--
650W 400N BF05	202	60	58	0.1	--	--	--
650W 425N BG10	202	70	230	0.1	--	--	--
650W 450N LS05	202	155	345	0.1	--	--	--
650W 475N BG10	202	88	215	0.1	--	--	--

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CERTIFICATE OF ANALYSIS

TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512767-005-A
INVOICE # : I8512767
DATE : 21-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
650W 500N BG10	202	51	89	0.1	--	--	--
650W 525N BG20	202	33	75	0.1	--	--	--
650W 550N BG10	202	16	47	0.1	--	--	--
650W 575N BF10	202	67	125	0.1	--	--	--
650W 600N BG15	202	40	130	0.1	--	--	--
650W 625N BG20	202	42	238	1.2	--	--	--
650W 650N BG10	202	42	128	0.1	--	--	--
650W 675N BG10	202	118	200	0.1	--	--	--
650W 700N BG10	202	67	128	0.1	--	--	--
650W 725N BG20	202	85	133	0.1	--	--	--
650W 750N BG10	202	65	190	0.1	--	--	--
700W 000S BG10	202	55	70	0.1	--	--	--
700W 025S BG10	202	13	28	0.1	--	--	--
700W 050S BG05	202	62	64	0.1	--	--	--
700W 075S BG00	202	77	78	0.1	--	--	--
700W 100S BF20	202	98	100	0.1	--	--	--
700W 125S BG05	202	75	178	0.1	--	--	--
700W 150S BG05	202	100	90	0.1	--	--	--
700W 175S BG05	202	85	85	0.1	--	--	--
700W 200S BG00	202	95	143	0.1	--	--	--
700W 250S BG30	202	36	47	0.1	--	--	--
700W 275S BG10	202	95	58	0.1	--	--	--
700W 300S BG05	202	88	56	0.1	--	--	--
700W 325S BG05	202	65	55	0.1	--	--	--
700W 350S BF10	202	59	65	0.1	--	--	--
700W 375S BF05	202	80	106	0.1	--	--	--
700W 400S	202	90	93	0.1	--	--	--
700W 450S BF10	202	17	32	0.1	--	--	--
700W 500S BF10	202	14	32	0.1	--	--	--
700W 550S BF10	202	47	45	0.1	--	--	--
700W 600S BF10	202	53	57	0.1	--	--	--
700W 650S BF10	202	5	13	0.1	--	--	--
700W 700S BF10	202	53	49	0.1	--	--	--
700W 750S BG10	202	33	62	0.1	--	--	--
700W 800S BF10	202	57	355	0.1	--	--	--
700W 850S	202	58	135	0.1	--	--	--
700W 900S BF10	202	34	85	0.1	--	--	--
700W 950S BF10	202	29	59	0.1	--	--	--
700W 1000S BF10	202	30	64	0.1	--	--	--
700W 1050S BF10	202	53	49	0.1	--	--	--

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TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512767-006-A
INVOICE # : I8512767
DATE : 21-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
700W 1100S BF10	202	85	75	0.1	--	--	--
700W 1150S	202	10	23	0.1	--	--	--
700W 1200S	202	26	60	0.1	--	--	--
700W 1250S BF10	202	80	78	0.1	--	--	--
700W 025N BF10	202	115	93	0.1	--	--	--
700W 050N BG05	202	85	95	0.1	--	--	--
700W 075N BG05	202	28	52	0.1	--	--	--
700W 100N BF05	202	50	54	0.1	--	--	--
700W 125N BG00	202	68	80	0.1	--	--	--
700W 150N BG05	202	125	85	0.1	--	--	--
700W 175N BG10	202	57	54	0.1	--	--	--
700W 200N BF10	202	64	68	0.1	--	--	--
700W 250N BG05	202	39	65	0.1	--	--	--
700W 275N BG00	202	135	185	0.1	--	--	--
700W 300N BG20	202	103	257	0.1	--	--	--
700W 325N BG10	202	72	193	0.1	--	--	--
700W 350N BG05	202	52	330	0.1	--	--	--
700W 375N BG05	202	46	67	0.1	--	--	--
700W 400N BG10	202	43	80	0.1	--	--	--
700W 425N BG00	202	70	83	0.1	--	--	--
700W 450N BG05	202	77	120	0.1	--	--	--
700W 475N BF10	202	98	140	0.1	--	--	--
700W 500N BG10	202	191	165	0.1	--	--	--
700W 525N BG10	202	30	69	0.1	--	--	--
700W 550N BF10	202	158	375	0.1	--	--	--
700W 575N BG10	202	126	1230	0.1	--	--	--
700W 600N BF10	202	32	200	0.1	--	--	--
700W 625N BF10	202	185	325	0.1	--	--	--
700W 650N BF10	202	117	125	0.1	--	--	--
700W 675N BF10	202	53	125	0.1	--	--	--
700W 700N BF10	202	126	130	0.1	--	--	--
750W 025S BF10	202	35	45	0.1	--	--	--
750W 050S BF10	202	23	41	0.1	--	--	--
750W 075S BF10	202	66	74	0.1	--	--	--
750W 100S BF10	202	74	80	0.1	--	--	--
750W 125S BF10	202	29	56	0.1	--	--	--
750W 150S BF10	202	92	125	0.1	--	--	--
750W 175S BF10	202	66	56	0.1	--	--	--
750W 200S BF10	202	67	50	0.1	--	--	--
750W 225S BF10	202	14	26	0.1	--	--	--

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TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512778-001-A
INVOICE # : I8512778
DATE : 21-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
750W 250S BF10	202	39	98	0.1	--	--	--
750W 275S BF10	202	34	53	0.3	--	--	--
750W 300S BF10	202	20	32	0.2	--	--	--
750W 350S BF10	202	140	42	0.6	--	--	--
750W 375S BF10	202	100	69	0.5	--	--	--
750W 400S BF10	202	125	53	0.4	--	--	--
750W 000N BG20	202	27	44	0.1	--	--	--
750W 025N BG20	202	100	100	0.3	--	--	--
750W 050N BS10	202	82	128	0.1	--	--	--
750W 075N BF05	202	62	82	0.2	--	--	--
750W 100N BG10	202	44	72	0.2	--	--	--
750W 125N BG10	202	295	118	0.3	--	--	--
750W 150N TF05	202	6	16	0.1	--	--	--
750W 175N BF15	202	90	72	0.1	--	--	--
750W 200N BF10	202	145	80	0.1	--	--	--
750W 225N BF20	202	99	92	0.1	--	--	--
750W 250N BF10	202	147	130	0.5	--	--	--
750W 275N BF10	202	115	560	0.2	--	--	--
750W 300N BF10	202	28	75	0.2	--	--	--
750W 325N TG05	202	26	58	0.1	--	--	--
750W 350N BF15	202	69	147	0.3	--	--	--
750W 375N BG15	202	36	56	0.1	--	--	--
750W 400N BF05	202	55	68	0.1	--	--	--
750W 425N BF10	202	127	96	0.4	--	--	--
750W 450N BF15	202	145	120	0.1	--	--	--
750W 475N BF20	202	120	260	0.2	--	--	--
750W 500N BF15	202	87	145	0.3	--	--	--
750W 525N BF10	202	49	135	0.2	--	--	--
750W 550N BG15	202	67	123	0.2	--	--	--
750W 575N BG15	202	126	97	0.5	--	--	--
750W 600N BF20	202	193	128	0.2	--	--	--
750W 625N CF	202	80	515	0.4	--	--	--
750W 650N SG10	202	160	120	0.3	--	--	--
750W 675N BF15	202	137	180	0.3	--	--	--
750W 725N BG10	202	47	1030	0.4	--	--	--
750W 750N BG15	202	46	100	0.7	--	--	--
800W 025S BF10	202	53	80	0.2	--	--	--
800W 050S BF10	202	65	98	0.4	--	--	--
800W 075S BF10	202	105	100	0.2	--	--	--
800W 100S BF10	202	47	60	0.3	--	--	--

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TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512778-002-A
INVOICE # : I8512778
DATE : 21-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
800W 125S BF10	202	42	82	0.2	--	--	--
800W 150S BF10	202	168	103	0.1	--	--	--
800W 175S BF10	202	21	32	0.3	--	--	--
800W 200S	202	19	30	0.2	--	--	--
800W 225S BF10	202	94	83	0.1	--	--	--
800W 250S BF10	202	40	52	0.2	--	--	--
800W 275S LF05	202	160	245	0.2	--	--	--
800W 300S BF10	202	72	82	0.4	--	--	--
800W 325S BF10	202	47	58	0.4	--	--	--
800W 350S BG10	202	138	55	0.7	--	--	--
800W 375S BG10	202	52	40	0.7	--	--	--
800W 400S	202	66	84	0.6	--	--	--
800W 450S BF10	202	138	95	0.6	--	--	--
800W 500S BF10	202	48	44	0.3	--	--	--
800W 550S BF10	202	34	62	0.2	--	--	--
800W 600S BG10	202	52	78	0.1	--	--	--
800W 650S BF10	202	34	43	0.2	--	--	--
800W 700S BG10	202	18	40	0.3	--	--	--
800W 750S CG10	202	7	34	0.3	--	--	--
800W 800S	202	9	27	0.2	--	--	--
800W 850S BF10	202	68	97	0.3	--	--	--
800W 900S BF10	202	43	280	0.2	--	--	--
800W 950S BF10	202	8	38	0.2	--	--	--
800W 1000S	202	17	38	0.3	--	--	--
800W 1050S BF10	202	23	45	0.2	--	--	--
800W 1100S	202	44	85	0.2	--	--	--
800W 1150S BS10	202	21	44	0.2	--	--	--
800W 1200S	202	25	40	0.4	--	--	--
800W 1230S BF10	202	64	68	0.4	--	--	--
800W 000N BF10	202	98	90	0.2	--	--	--
800W 025N BF10	202	42	48	0.1	--	--	--
800W 050N BF10	202	22	66	0.2	--	--	--
800W 075N BF10	202	91	86	0.1	--	--	--
800W 100N BF10	202	29	42	0.3	--	--	--
800W 125N BF10	202	44	112	0.5	--	--	--
800W 150N BF10	202	27	45	0.4	--	--	--
800W 175N	202	53	54	0.3	--	--	--
800W 200N BF10	202	63	53	0.3	--	--	--
800W 225N BF10	202	67	67	0.3	--	--	--
800W 260N BF10	202	88	110	0.5	--	--	--

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TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512778-003-A
INVOICE # : I8512778
DATE : 21-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
800W 275N BG05	202	33	100	0.6	--	--	--
800W 300N BG10	202	63	100	0.3	--	--	--
800W 325N CG10	202	48	68	0.2	--	--	--
800W 350N BF10	202	105	100	0.2	--	--	--
800W 375N BG10	202	42	107	0.2	--	--	--
800W 400N BG10	202	59	115	0.5	--	--	--
800W 425N BF10	202	78	90	0.3	--	--	--
800W 450N BF05	202	87	88	0.3	--	--	--
800W 475N BF10	202	80	88	0.1	--	--	--
800W 500N BF10	202	79	73	1.0	--	--	--
800W 525N BF10	202	60	73	0.6	--	--	--
800W 550N BF10	202	92	132	0.4	--	--	--
800W 575N BF10	202	170	113	0.3	--	--	--
800W 600N BF10	202	138	135	0.4	--	--	--
800W 625N BF10	202	95	85	0.5	--	--	--
800W 650N BF10	202	125	88	0.3	--	--	--
800W 675N BF10	202	123	70	0.2	--	--	--
800W 700N BF10	202	58	65	0.2	--	--	--
800W 725N BF10	202	128	700	0.5	--	--	--
800W 750N BF10	202	125	205	0.3	--	--	--
900W 025S BF00	202	35	75	0.2	--	--	--
900W 050S BF00	202	63	80	0.3	--	--	--
900W 100S BG05	202	53	65	0.2	--	--	--
900W 100S BG00	202	66	71	0.1	--	--	--
900W 200S BG00	202	80	83	0.1	--	--	--
900W 250S BG05	202	68	64	0.2	--	--	--
900W 300S BG05	202	45	27	0.3	--	--	--
900W 350S BG10	202	125	85	0.4	--	--	--
900W 400S BG05	202	61	58	0.5	--	--	--
900W 450S BG05	202	57	260	0.6	--	--	--
900W 500S BG05	202	53	58	0.3	--	--	--
900W 550S BG15	202	22	42	0.1	--	--	--
900W 600S BG00	202	82	105	0.1	--	--	--
900W 650S BG00	202	45	56	0.3	--	--	--
900W 700S BG20	202	23	44	0.1	--	--	--
900W 750S BG00	202	24	47	0.2	--	--	--
900W 800S BG30	202	17	62	0.3	--	--	--
900W 850S BG05	202	49	88	0.1	--	--	--
900W 900S BF00	202	29	55	0.2	--	--	--
900W 950S BG20	202	18	53	0.2	--	--	--

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CERTIFICATE OF ANALYSIS

TO : WHITE, GLEN GEOPHYSICAL CONS. & SERV. LTD., **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512778-004-A
INVOICE # : I8512778
DATE : 21-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
900W 1000S BG20	202	29	62	0.2	--	--	--
900W 1050S BG05	202	31	46	0.2	--	--	--
900W 1100S BG20	202	12	20	0.2	--	--	--
900W 1150S BG00	202	40	53	0.4	--	--	--
900W 050N BG05	202	14	38	0.1	--	--	--
900W 100N BG00	202	100	400	0.6	--	--	--
900W 150N BG00	202	80	222	0.4	--	--	--
900W 200N BF00	202	82	65	0.5	--	--	--
900W 250N BG00	202	138	98	0.2	--	--	--
900W 300N BG05	202	14	44	0.4	--	--	--
900W 350N BG10	202	22	53	0.1	--	--	--
900W 400N BF20	202	44	72	0.4	--	--	--
900W 450N BG00	202	102	75	0.4	--	--	--
900W 500N BF20	202	175	140	0.8	--	--	--
900W 550N BG10	202	28	57	0.3	--	--	--
900W 600N BG00	202	38	58	0.3	--	--	--
1000W 025S TG05	202	32	160	0.3	--	--	--
1000W 050S BG10	202	27	55	0.2	--	--	--
1000W 100S BG30	202	45	75	0.5	--	--	--
1000W 150S BG10	202	38	82	0.1	--	--	--
1000W 200S BF10	202	53	62	0.2	--	--	--
1000W 250S BF10	202	16	52	0.2	--	--	--
1000W 350S BG10	202	190	68	0.3	--	--	--
1000W 400S BG10	202	85	65	0.8	--	--	--
1000W 450S BG10	202	56	120	0.1	--	--	--
1000W 500S BG10	202	17	100	1.2	--	--	--
1000W 550S BG20	202	53	60	0.4	--	--	--
1000W 600S BG10	202	26	63	0.4	--	--	--
1000W 650S BG10	202	27	45	0.1	--	--	--
1000W 750S BG10	202	87	265	0.5	--	--	--
1000W 800S BG10	202	20	52	0.1	--	--	--
1000W 850S BG10	202	19	55	0.2	--	--	--
1000W 900S BG10	202	17	48	0.1	--	--	--
1000W 950S BF10	202	23	41	0.1	--	--	--
1000W 025N BF10	202	86	122	0.2	--	--	--
1000W 075N BG10	202	73	93	0.1	--	--	--
1000W 125N BG10	202	55	96	0.1	--	--	--
1000W 175N BG10	202	90	84	0.4	--	--	--
1000W 225N BG10	202	78	185	0.3	--	--	--
1000W 275N BG10	202	140	108	0.2	--	--	--

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9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

CERT. # : A8512778-005-A
INVOICE # : I8512778
DATE : 21-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
1000W 325N BF10	202	51	92	0.1	--	--	--
1000W 375N BG10	202	58	65	0.3	--	--	--
1000W 425N BG10	202	34	54	0.2	--	--	--
1000W 475N BG10	202	39	62	0.2	--	--	--
1000W 525N BG10	202	39	55	0.2	--	--	--
1000W 575N BG10	202	82	105	0.2	--	--	--
1100W 050N BG00	202	70	100	0.2	--	--	--
1100W 100N BF00	202	95	100	0.4	--	--	--
1100W 150N BG00	202	103	120	0.2	--	--	--
1100W 200N BG20	202	58	75	0.1	--	--	--
1100W 250N BG05	202	18	52	0.1	--	--	--
1100W 300N BG00	202	158	80	0.1	--	--	--
1100W 350N BG00	202	148	140	0.1	--	--	--
1100W 400N BG00	202	28	43	0.1	--	--	--
1100W 450N BG00	202	68	105	0.2	--	--	--
1100W 500N BG00	202	67	103	0.1	--	--	--
1100W 550N BG30	202	44	108	0.1	--	--	--
1100W 600N BF00	202	81	87	0.2	--	--	--

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CTA

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CERTIFICATE OF ANALYSIS

TO : WHITE GEOPHYSICAL INC.

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

** CERT. # : A8513104-001-A
INVOICE # : I8513104
DATE : 28-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
0100E 0450S	BF15 202	37	45	0.1	--	--	--
0100E 0500S	TG20 202	19	38	0.1	--	--	--
0100E 0550S	BF15 202	86	82	0.2	--	--	--
0100E 0600S	BF10 202	19	33	0.2	--	--	--
0100E 0650S	TF10 202	52	90	0.1	--	--	--
0100E 0700S	SG20 202	25	30	0.1	--	--	--
0100E 0750S	CG10 202	47	45	0.1	--	--	--
0100E 0800S	CF20 202	21	32	0.1	--	--	--
0100E 0850S	BF20 202	24	50	0.1	--	--	--
0100E 0900S	BF15 202	15	19	0.1	--	--	--
0100E 0950S	BF15 202	63	78	0.1	--	--	--
0100E 1000S	BF20 202	7	15	0.1	--	--	--
0100E 1050S	BF15 202	27	35	0.1	--	--	--
0100E 1100S	BF15 202	46	51	0.2	--	--	--
0100E 1150S	BG10 202	30	34	0.1	--	--	--
0100E 1200S	BF15 202	33	62	0.1	--	--	--
0100E 1250S	BF15 202	36	45	0.1	--	--	--
0200E 0450S	BF15 202	5	25	0.1	--	--	--
0200E 0500S	BF10 202	43	51	0.1	--	--	--
0200E 0550S	TG10 202	25	45	0.1	--	--	--
0200E 0600S	TG20 202	17	27	0.2	--	--	--
0200E 0650S	BF15 202	17	27	0.1	--	--	--
0200E 0700S	BG15 202	35	41	0.1	--	--	--
0200E 0750S	BF15 202	4	16	0.1	--	--	--
0200E 0800S	BG15 202	15	36	0.1	--	--	--
0200E 0850S	BG15 202	36	49	0.1	--	--	--
0200E 0900S	BF15 202	40	37	0.1	--	--	--
0200E 0950S	202	70	65	0.1	--	--	--
0200E 1000S	BF15 202	9	17	0.1	--	--	--
0200E 1050S	BG15 202	24	44	0.1	--	--	--
0200E 1100S	BF15 202	19	40	0.1	--	--	--
0300E 0100S	SS10 202	82	175	0.1	--	--	--
0300E 0150S	BG10 202	23	56	0.1	--	--	--
0300E 0200S	BF10 202	10	38	0.1	--	--	--
0300E 0250S	BG15 202	64	68	0.1	--	--	--
0300E 0300S	BG15 202	11	35	0.1	--	--	--
0300E 0400S	BF20 202	11	18	0.1	--	--	--
0300E 0450S	BF15 202	23	37	0.1	--	--	--
0300E 0500S	BF15 202	70	46	0.1	--	--	--
0300E 0550S	TF10 202	47	41	0.1	--	--	--

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CERTIFICATE OF ANALYSIS

TO : WHITE GEOPHYSICAL INC.

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

** CERT. # : A8513104-002-A
INVOICE # : I8513104
DATE : 28-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
0300E 0600S	202	28	40	0.1	--	--	--
0300E 0650S BG15	202	29	48	0.2	--	--	--
0300E 0700S TF05	202	8	18	0.1	--	--	--
0300E 0750S BF15	202	13	35	0.1	--	--	--
0300E 0800S TG10	202	53	52	0.1	--	--	--
0300E 0850S BG15	202	15	28	0.1	--	--	--
0300E 0900S BG15	202	33	41	0.2	--	--	--
0300E 0950S BG15	202	50	59	0.1	--	--	--
0300E 1000S BF15	202	13	22	0.1	--	--	--
0300E 1050S BF15	202	13	17	0.1	--	--	--
0300E 1085S CG10	202	73	62	0.1	--	--	--
0300E 1150S BF15	202	48	60	0.1	--	--	--
0300E 1200S LS10	202	53	68	0.1	--	--	--
0500E 0050S BF15	202	32	28	0.1	--	--	--
0500E 0100S BG20	202	16	21	0.1	--	--	--
0500E 0150S BG15	202	11	14	0.1	--	--	--
0500E 0200S BF15	202	47	35	0.1	--	--	--
0500E 0250S BF15	202	56	47	0.1	--	--	--
0500E 0300S BG15	202	35	35	0.1	--	--	--
0500E 0350S BG20	202	8	18	0.1	--	--	--
0500E 0400S BF15	202	40	48	0.1	--	--	--
0500E 0450S BF15	202	16	20	0.1	--	--	--
0500E 0500S BG15	202	17	30	0.1	--	--	--
0500E 0550S BF15	202	15	21	0.1	--	--	--
0500E 0600S BF15	202	15	20	0.1	--	--	--
0500E 0650S SG05	202	40	33	0.5	--	--	--
0500E 0700S BG15	202	38	29	0.1	--	--	--
0500E 0750S BF20	202	7	14	0.1	--	--	--
0500E 0800S BG20	202	10	20	0.1	--	--	--
0500E 0850S BG15	202	54	151	0.3	--	--	--
0500E 0900S BG20	202	31	37	0.2	--	--	--
0500E 0950S BF15	202	48	50	1.1	--	--	--
0500E 1000S BG15	202	63	80	0.5	--	--	--
0500E 1050S BF20	202	26	35	0.1	--	--	--
0500E 1100S SS15	202	98	49	0.1	--	--	--
0500E 1150S BG10	202	80	125	0.2	--	--	--
0500E 1200S BF15	202	44	78	0.1	--	--	--
0500E 1250S LS10	202	45	57	0.1	--	--	--
0600E 0050S TF10	202	16	22	0.1	--	--	--
0600E 0100S BG15	202	57	56	0.1	--	--	--

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TO : WHITE GEOPHYSICAL INC.

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

** CERT. # : A8513104-003-A
INVOICE # : I8513104
DATE : 28-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
0600E 0150S BG15	202	10	22	0.2	--	--	--
0600E 0200S BS20	202	7	15	0.1	--	--	--
0600E 0250S BS15	202	5	10	0.1	--	--	--
0600E 0300S BF15	202	21	28	0.2	--	--	--
0600E 0350S BG15	202	49	49	0.1	--	--	--
0600E 0400S BG10	202	56	57	0.6	--	--	--
0600E 0450S BG10	202	26	48	0.2	--	--	--
0600E 0500S BF10	202	20	20	0.1	--	--	--
0600E 0550S BF10	202	30	30	0.1	--	--	--
0600E 0600S BG25	202	10	21	0.1	--	--	--
0600E 0650S BG20	202	4	9	0.1	--	--	--
0600E 0700S BC15	202	28	29	0.1	--	--	--
0600E 0750S BF20	202	4	23	0.1	--	--	--
0600E 0800S BF10	202	80	45	0.1	--	--	--
0600E 0850S BG15	202	48	52	0.3	--	--	--
0600E 0900S BG15	202	50	38	0.3	--	--	--
0600E 0950S	202	33	58	0.4	--	--	--
0600E 1000S BG20	202	8	21	0.1	--	--	--
0600E 1050S BG20	202	17	36	0.2	--	--	--
0600E 1100S BF15	202	26	49	0.2	--	--	--
0600E 1150S LC10	202	86	52	0.2	--	--	--
0600E 1200S BF15	202	47	61	0.1	--	--	--
0600E 1250S LS10	202	61	82	0.1	--	--	--
0700E 0050S TG10	202	212	31	0.1	--	--	--
0700E 0100S BG10	202	225	40	0.1	--	--	--
0700E 0150S BG15	202	70	45	0.1	--	--	--
0700E 0200S BF15	202	42	30	0.1	--	--	--
0700E 0250S CG25	202	133	48	0.2	--	--	--
0700E 0300S BG15	202	235	25	0.2	--	--	--
0700E 0350S BG20	202	75	28	0.1	--	--	--
0700E 0400S BF15	202	28	25	0.2	--	--	--
0700E 0450S TF10	202	6	14	0.1	--	--	--
0700E 0500S BS20	202	26	22	0.1	--	--	--
0700E 0550S BG10	202	65	39	0.3	--	--	--
0700E 0600S BF15	202	11	16	0.1	--	--	--
0700E 0650S CF	202	148	41	0.1	--	--	--
0700E 0700S BG15	202	100	26	0.1	--	--	--
0700E 0750S BF15	202	11	13	0.1	--	--	--
0700E 0800S BF15	202	8	17	0.3	--	--	--
0700E 0850S BG15	202	42	35	0.1	--	--	--

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TO : WHITE GEOPHYSICAL INC.

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

** CERT. # : A8513104-004-A
INVOICE # : I8513104
DATE : 28-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
0700E 0900S	BF15 202	17	26	0.2	--	--	--
0700E 0950S	BF15 202	32	52	0.1	--	--	--
0700E 1000S	BG15 202	7	23	0.2	--	--	--
0700E 1050S	BG20 202	35	36	0.1	--	--	--
0700E 1100S	BG20 202	34	29	0.1	--	--	--
0700E 1150S	BF20 202	35	38	0.2	--	--	--
0700E 1200S	BF10 202	44	73	0.1	--	--	--
0700E 1240S	LS10 202	64	76	0.3	--	--	--
0000W 0450S	BF10 202	65	78	0.1	--	--	--
0000W 0500S	BG10 202	8	30	0.2	--	--	--
0000W 0550S	BG10 202	35	95	0.5	--	--	--
0000W 0600S	BF10 202	33	48	0.3	--	--	--
0000W 0650S	BS10 202	38	88	0.2	--	--	--
0000W 0700S	BS10 202	8	39	0.1	--	--	--
0000W 0750S	BS10 202	34	36	0.1	--	--	--
0000W 0800S	BF10 202	14	29	0.1	--	--	--
0000W 0850S	BF10 202	54	60	0.3	--	--	--
0000W 0900S	BF10 202	61	55	0.3	--	--	--
0000W 0950S	BF10 202	48	42	0.1	--	--	--
0000W 1000S	BF10 202	53	54	0.2	--	--	--
0000W 1050S	BF10 202	21	36	0.1	--	--	--
0000W 1100S	BS10 202	36	50	0.1	--	--	--
0000W 1150S	BF10 202	23	39	0.3	--	--	--
0000W 1200S	202	31	51	0.1	--	--	--
0000W 1250S	BF10 202	44	53	0.1	--	--	--
0100W 0325S	BF10 202	87	24	0.3	--	--	--
0100W 0350S	BF10 202	15	29	0.2	--	--	--
0100W 0375S	BF10 202	43	32	0.1	--	--	--
0100W 0400S	BF10 202	25	36	0.2	--	--	--
0100W 0450S	BF10 202	44	105	0.3	--	--	--
0100W 0515S	202	64	75	0.2	--	--	--
0100W 0550S	BG10 202	24	75	0.8	--	--	--
0100W 0600S	BF10 202	18	42	0.2	--	--	--
0100W 0650S	202	11	27	0.2	--	--	--
0100W 0700S	BS10 202	55	44	0.5	--	--	--
0100W 0730S	BS10 202	38	40	0.2	--	--	--
0100W 0800S	202	43	35	0.1	--	--	--
0100W 0850S	BS10 202	41	40	0.1	--	--	--
0100W 0900S	BF10 202	36	40	0.1	--	--	--
0100W 0950S	BF10 202	19	36	0.3	--	--	--

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TO : WHITE GEOPHYSICAL INC.

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

** CERT. # : A8513104-005-A
INVOICE # : I8513104
DATE : 28-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
0100W 1000S	BG10 202	43	61	0.1	--	--	--
0100W 1050S	BF10 202	51	40	0.1	--	--	--
0200W 0440S	BF10 202	91	50	0.1	--	--	--
0200W 0500S	202	57	105	0.2	--	--	--
0200W 0550S	BF10 202	70	152	0.8	--	--	--
0200W 0600S	BF10 202	73	280	0.7	--	--	--
0200W 0650S	BF10 202	23	44	0.1	--	--	--
0200W 0700S	BS10 202	63	41	0.2	--	--	--
0200W 0750S	BS10 202	10	28	0.2	--	--	--
0200W 0800S	BS10 202	104	69	0.1	--	--	--
0200W 0850S	BS10 202	43	39	0.1	--	--	--
0200W 0900S	BS10 202	40	58	0.2	--	--	--
0200W 0950S	BF10 202	39	58	0.1	--	--	--
0200W 0985S	BS10 202	38	40	0.1	--	--	--
0200W 1050S	BS10 202	46	40	0.1	--	--	--
0200W 1100S	BF10 202	37	51	0.1	--	--	--
0200W 1120S	BF10 202	33	32	0.1	--	--	--
0300W 0450S	BF10 202	54	190	0.3	--	--	--
0300W 0500S	BG10 202	5	25	0.2	--	--	--
0300W 0550S	202	24	44	0.3	--	--	--
0300W 0600S	BF10 202	26	44	0.6	--	--	--
0300W 0650S	BF10 202	32	63	0.1	--	--	--
0300W 0680S	BF10 202	32	44	0.3	--	--	--
0300W 0750S	BF10 202	56	73	0.1	--	--	--
0300W 0800S	BF10 202	45	51	0.1	--	--	--
0300W 0850S	BF10 202	7	15	0.1	--	--	--
0300W 0900S	BS10 202	52	40	0.1	--	--	--
0300W 0950S	BF10 202	7	14	0.1	--	--	--
0300W 1000S	BS10 202	50	44	0.1	--	--	--
0300W 1050S	BS10 202	8	24	0.1	--	--	--
0300W 1100S	202	8	21	0.1	--	--	--
0300W 1125S	BF10 202	6	19	0.1	--	--	--
0650W 0000S	BG10 202	67	56	0.1	--	--	--
0650W 0025S	BG00 202	60	75	0.1	--	--	--
0650W 0050S	BG00 202	62	46	0.2	--	--	--
0650W 0075S	BG10 202	58	51	0.2	--	--	--
0650W 0100S	BG05 202	36	39	0.1	--	--	--
0650W 0150S	BG00 202	46	58	0.1	--	--	--
0650W 0175S	BG10 202	85	76	0.6	--	--	--
0650W 0200S	BG10 202	73	85	0.6	--	--	--

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RICHMOND, B.C.
V6X 1V7

** CERT. # : A8513105-001-A
INVOICE # : I8513105
DATE : 28-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
0650W 0225S	BG10 202	87	52	0.2	--	--	--
0650W 0250S	BG10 202	100	41	0.4	--	--	--
0650W 0275S	BG00 202	103	47	0.4	--	--	--
0650W 0300S	BG05 202	48	46	0.2	--	--	--
0650W 0375S	BF00 202	104	80	0.1	--	--	--
0650W 0400S	BG05 202	53	76	0.1	--	--	--
1100W 0000S	BG10 202	52	55	0.1	--	--	--
1100W 0050S	BG10 202	24	26	0.1	--	--	--
1100W 0100S	BG10 202	28	39	0.1	--	--	--
1100W 0150S	BG10 202	86	74	0.2	--	--	--
1100W 0200S	BF10 202	32	60	0.1	--	--	--
1100W 0300S	BF10 202	19	36	0.1	--	--	--
1100W 0350S	BF10 202	43	91	0.2	--	--	--
1100W 0400S	BS10 202	98	326	0.2	--	--	--
1100W 0450S	BG10 202	16	48	0.1	--	--	--
1100W 0500S	BF10 202	23	45	0.1	--	--	--
1100W 0550S	BG10 202	22	183	1.2	--	--	--
1100W 0600S	BG10 202	27	83	0.3	--	--	--
1100W 0650S	BF10 202	8	60	0.1	--	--	--
1100W 0700S	BG10 202	50	116	0.1	--	--	--
1100W 0750S	BG10 202	30	38	0.1	--	--	--
1100W 0800S	BG10 202	10	23	0.1	--	--	--
1100W 0850S	BG10 202	57	54	0.1	--	--	--
1200W 0100N	BG20 202	9	21	0.1	--	--	--
1200W 0150N	BG00 202	100	80	0.1	--	--	--
1200W 0200N	BF00 202	74	76	0.4	--	--	--
1200W 0250N	BG00 202	36	52	0.1	--	--	--
1200W 0300N	BG05 202	22	76	0.1	--	--	--
1200W 0350N	BG00 202	61	64	0.2	--	--	--
1200W 0400N	BF05 202	100	92	0.2	--	--	--
1200W 0450N	BG00 202	82	79	0.1	--	--	--
1200W 0500N	BG05 202	64	73	0.2	--	--	--
1200W 0550N	BG00 202	36	86	0.2	--	--	--
1200W 0600N	BG00 202	81	108	0.2	--	--	--
1200W 0000S	BG10 202	42	40	0.1	--	--	--
1200W 0050S	BG10 202	47	65	0.4	--	--	--
1200W 0100S	BG10 202	43	45	0.2	--	--	--
1200W 0150S	TG10 202	78	110	0.3	--	--	--
1200W 0200S	BF10 202	10	40	0.1	--	--	--
1200W 0250S	BG10 202	34	34	0.1	--	--	--

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9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

** CERT. # : A8513105-002-A
INVOICE # : I8513105
DATE : 28-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
1200W 0300S	BS10 202	8	16	0.1	--	--	--
1200W 0350S	BF10 202	74	76	0.1	--	--	--
1200W 0450S	BG10 202	53	76	0.5	--	--	--
1200W 0500S	BF10 202	55	100	0.1	--	--	--
1200W 0550S	BF10 202	60	103	0.3	--	--	--
1200W 0600S	BG10 202	62	236	0.3	--	--	--
1200W 0650S	BG10 202	92	390	0.6	--	--	--
1200W 0700S	BF10 202	29	245	0.3	--	--	--
1200W 0750S	BG10 202	33	126	0.3	--	--	--
1200W 0800S	BG10 202	42	51	0.2	--	--	--
1200W 0850S	BF10 202	12	26	0.3	--	--	--
1300W 0050N	BG00 202	114	95	0.2	--	--	--
1300W 0100N	202	37	40	0.2	--	--	--
1300W 0150N	BG20 202	28	45	0.3	--	--	--
1300W 0200N	BF10 202	17	25	0.1	--	--	--
1300W 0250N	BG10 202	105	64	0.2	--	--	--
1300W 0300N	BG10 202	81	80	0.3	--	--	--
1300W 0400N	BF10 202	45	54	0.3	--	--	--
1300W 0450N	BG10 202	70	70	0.3	--	--	--
1300W 0500N	BG10 202	158	104	0.1	--	--	--
1300W 0550N	BF10 202	78	106	0.2	--	--	--
1300W 0600N	BF40 202	39	69	0.1	--	--	--
1300W 0000S	BS10 202	93	75	0.1	--	--	--
1300W 0050S	BG10 202	98	92	0.2	--	--	--
1300W 0100S	202	44	51	0.1	--	--	--
1300W 0150S	BF10 202	71	61	0.3	--	--	--
1300W 0200S	BF10 202	61	55	0.1	--	--	--
1300W 0250S	BG10 202	98	91	0.1	--	--	--
1300W 0300S	BF10 202	38	48	0.1	--	--	--
1300W 0450S	BF10 202	28	41	0.2	--	--	--
1300W 0500S	BF10 202	54	55	0.2	--	--	--
1300W 0535S	BG10 202	40	66	0.1	--	--	--
1300W 0600S	BF10 202	30	49	0.1	--	--	--
1300W 0650S	BG10 202	37	173	0.3	--	--	--
1300W 0700S	BF10 202	22	52	0.2	--	--	--
1400W 0050N	BF10 202	55	61	0.3	--	--	--
1400W 0100N	BF10 202	29	38	0.2	--	--	--
1400W 0200N	BF10 202	18	35	0.1	--	--	--
1400W 0250N	BG10 202	26	40	0.3	--	--	--
1400W 0300N	BG10 202	20	39	0.1	--	--	--

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Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers

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CERTIFICATE OF ANALYSIS

TO : WHITE GEOPHYSICAL INC.

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

** CERT. # : A8513105-003-A
INVOICE # : I8513105
DATE : 28-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
1400W 0350N	BG10 202	13	32	0.2	--	--	--
1400W 0400N	BG10 202	31	67	0.1	--	--	--
1400W 0450N	BF10 202	37	45	0.1	--	--	--
1400W 0500N	BG10 202	44	53	0.2	--	--	--
1400W 0535N	BG10 202	50	59	0.2	--	--	--
1400W 0600N	BF10 202	34	44	0.1	--	--	--
1400W 0000S	BF10 202	61	54	0.1	--	--	--
1400W 0050S	BG10 202	52	48	0.1	--	--	--
1400W 0100S	BG10 202	34	56	0.1	--	--	--
1400W 0150S	BG10 202	43	54	0.2	--	--	--
1400W 0200S	BG10 202	58	64	0.1	--	--	--
1400W 0250S	BG10 202	31	39	0.1	--	--	--
1400W 0300S	BC10 202	31	33	0.4	--	--	--
1400W 0350S	BG10 202	26	38	0.1	--	--	--
1400W 0400S	BF10 202	57	49	0.1	--	--	--
1400W 0500S	BF10 202	35	38	0.1	--	--	--
1400W 0550S	BF10 202	58	59	0.1	--	--	--
1400W 0600S	BF10 202	23	29	0.1	--	--	--
1400W 0650S	BG10 202	29	30	0.2	--	--	--
1500W 0050N	BF10 202	42	65	0.3	--	--	--
1500N 0100N	BF10 202	27	42	0.2	--	--	--
1500W 0150N	BG10 202	50	28	0.1	--	--	--
1500W 0200N	BG60 202	39	52	0.1	--	--	--
1500W 0250N	OG30 202	35	39	0.2	--	--	--
1500E 0400N	BF10 202	32	73	0.3	--	--	--
1500W 0450N	BF10 202	42	46	0.1	--	--	--
1500W 0500N	BS10 202	52	72	0.1	--	--	--
1500W 0550N	BG10 202	21	58	0.1	--	--	--
1500W 0600N	BF10 202	23	36	0.1	--	--	--
1500W 0000S	BG40 202	16	76	0.1	--	--	--
1500W 0050S	BG10 202	53	60	0.1	--	--	--
1500W 0100S	BG20 202	38	26	0.1	--	--	--
1500W 0150S	BG10 202	25	60	0.1	--	--	--
1500W 0200S	BG10 202	54	60	0.1	--	--	--
1500W 0250S	BF10 202	41	66	0.1	--	--	--
1500W 0300S	BG10 202	20	38	0.1	--	--	--
1500W 0350S	BG10 202	47	52	0.1	--	--	--
1500W 0400S	BG10 202	42	60	0.1	--	--	--
1500W 0450S	BG10 202	19	26	0.1	--	--	--
1600W 0000N	BG10 202	41	77	0.1	--	--	--

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CERTIFICATE OF ANALYSIS

TO : WHITE GEOPHYSICAL INC.

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

** CERT. # : A8513105-004-A
INVOICE # : I8513105
DATE : 28-JUN-85
P.O. # : NONE

Sample description	Prep code	Cu ppm	Zn ppm	Ag ppm			
1600W 0050N	BF10 202	36	66	0.1	--	--	--
1600W 0100N	BF10 202	73	93	0.1	--	--	--
1600W 0150N	BF10 202	56	62	0.3	--	--	--
1600W 0200N	BG10 202	57	101	0.1	--	--	--
1600W 0250N	BG10 202	42	100	0.1	--	--	--
1600W 0300N	BF10 202	46	87	0.1	--	--	--
1600W 0400N	BF10 202	36	78	0.1	--	--	--
1600W 0440N	BF10 202	38	90	0.2	--	--	--
1600W 0550N	BG10 202	24	79	0.1	--	--	--
1600W 0600N	BS10 202	51	75	0.1	--	--	--
1600W 0050S	BG10 202	31	48	0.3	--	--	--
1600W 0100S	BG10 202	41	60	0.2	--	--	--
1600W 0150S	BG10 202	48	46	0.5	--	--	--
1600W 0200S	BG10 202	8	27	0.1	--	--	--
1600W 0250S	BG10 202	58	90	0.1	--	--	--
1600W 0300S	BG10 202	70	83	0.1	--	--	--
1600W 0350S	BF10 202	67	67	0.1	--	--	--
1600W 0400S	BG10 202	93	90	0.1	--	--	--
1600W 0450S	BG10 202	83	100	0.1	--	--	--
1600W 0500S	BG10 202	34	49	0.1	--	--	--

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CERTIFICATE OF ANALYSIS

TO : WHITE GEOPHYSICAL INC. **

9251 BECKWITH ROAD
RICHMOND, B.C.
V6X 1V7

ATTN: JOEY FREEZE

CERT. # : A8513597-001-A
INVOICE # : I8513597
DATE : 11-JUL-85
P.O. # : NONE
G

Sample description	Prep code	Pb ppm	Ba ppm				
400W 100N BS25	214	7	300	--	--	--	--
400W 125N BF20	214	12	500	--	--	--	--
400W 150N BF15	214	5	260	--	--	--	--
400W 175N SF15	214	4	380	--	--	--	--
400W 375N BF15	214	5	440	--	--	--	--
400W 400N SS15	214	9	340	--	--	--	--
400W 425N CF30	214	3	290	--	--	--	--
400W 450N BG15	214	4	360	--	--	--	--
400W 475N TG10	214	8	260	--	--	--	--
450W 325S BF10	214	31	400	--	--	--	--
450W 350S BG10	214	6	600	--	--	--	--
450W 100N BG10	214	5	340	--	--	--	--
450W 125N BF10	214	6	380	--	--	--	--
450W 150N BG10	214	4	280	--	--	--	--

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APPENDIX II

DESCRIPTION OF ROCK CHIP SAMPLES

No.	Description and Location
R49001	RdM23C + 23 Jnctn o/c. Pyritic cherty tuff, lt. gray f. grd. massive to gray-brown-pink w. white specks. Py, f.grd. 3%. Shear zone? 30 cm thick.
R49002	Same location. Silicified andesite?, v. altered, hard w. 5% Py as fine blebs & fract. filling, trace - 1% CPy.
R49003	Rd M23C, 130 m from M23 jnctn. Pyritic cherty tuff, chert w/ pyrite filled fracture/shear zone - 20 cm long x 1 cm wide only. Py v.f.grd. to coarse cubes 2 mm.
R49004	Rd M22. Shear zone - v. limonitic/clayey. 7 cm wide.
R49005	Rd M22. Rubble below o/c, sheared, at B.L. + 150W. Pyrite coating quite heavy on basalt, various fractures. 5%.
R49006	Rd M22. Highly altered BAS (clay-CO_3=), 3-7% PY as disseminated blebs - 0.5 mm.
R49007	Rd P29. Bas., f. grd., gn.-bk. Slickensided. Stringers of white xlline CA w/ ? SPH - yellow br. to amber glassy xls < .5 mm. (Scratches white, doesn't fizz) 25 x 2 cm max. size.
R49008	L200W + 550N. Pyritic Dacand. w/ - 3% v.f. to med. grd. cubic PY, plus few stringers & blebs - 5 mm.
R49009	90 m down road from L200 + 525N - volcanic breccia/ agglomerate. Basic frags. in basic matrix w/ 15% PY patchily distributed through rock. Mostly stringers through matrix & also coating fragments.
R49010	100 m east of L50E + 175N on road. Mixed DIO, AMPHIBOLITE, SKARN w/ masses of PY (CPY)~2-3% distributed throughout.
R49011	100N 140E. MGNT-PY-CPY in garnet skarn (~50% MGNT) mal. staining. PY is poddy. 5% PY 2% CPY.
R49012	M23D, 700W + B.L. Basic tuff? w/ weath'd. massive sulphides (PY-CPY).
R49013	Same as 85R49002 - semi-massive PY w/ CPY in basalt, lots of PØ.
R49014	250N, 430W, on creek. Pyritic And. tuff & dacite tuff w/ clay alteration.
R49015	275N, 365W, on creek. Semi-massive PY, trace CPY assoc'd w/ QV within chloritic, altered ? mBAS. 055/V to steep W.
R49016	575N, 050W, feldspar porphyry dacite dyke. Unit A.

APPENDIX II - Continued

No.	Description and Location
R49138	Highly fractured basalt, pyritic, in creek.
R49139	Mylonitized - Bas. w/ chert clasts.
R49140	Highly brecciated. Chert with pyritic lenses in creek.
R49141	Massive pyrite nodules to 30 cm in chert and cherty tuffs.
R49142	Pyritic rhydac. massive.

APPENDIX III

EM 16 - VLF ELECTROMAGNETIC UNIT

SPECIFICATIONS

Source of primary field	- VLF transmitting stations
Transmitting stations used	- Any desired station frequency can be supplied with the instrument in the form of plug-in tuning units. Two tuning units can be plugged in at one time. A switch selects either station.
Operating frequency range	- 15-25 KHz.
Parameters measured	- (1) The vertical in-phase component (tangent of the tilt angle of the polarization ellipsoid). (2) The vertical out-of-phase (quadrature) component (the short axis of the polarization ellipsoid compared to the long axis).
Method of Reading	- In-phase from a mechanical inclinometer and quadrature from a calibrated dial. Nulling by audio tone.
Scale Range	- In-phase $\pm$ 150%; quadrature $\pm$ 40%.

Readability	- ± 1%.
Reading Time	- 10-40 seconds depending on signal strength.
Operating temperature range	- -40°to 50°C.
Operating Controls	-on-off switch, battery testing push button, station selector switch, volume control, quadrature, dial ± 40%, inclinometer dial ± 150%.
Power Supply	- 6 size AA (penlight) alkaline cells. Life about 200 hours.
Dimensions	- 42x14x9cm (16x5.5x3.5 in.)
Weight	- 1.6 kg. (3.5 lbs.)
Shipping weight	- 4.5 kg. (10 lbs.)

GSM-8 PROTON PRECESSION MAGNETOMETER

SPECIFICATIONS

Resolution:	1 gamma
Accuracy:	± 1 gamma over operating range
Range:	20,000-100,000 gamma in 23 overlapping steps.
Gradient Tolerance:	up to 5000 gamma/metre
Operating Modes:	manual pushbutton - new reading every 1.85 sec., display active between readings.
	cycling - pushbutton initiated, 1.85 sec. period.
	selftest - pushbutton controlled, 7 sec. period.
Output:	visual - 5 digit 1 cm (0.4") high liquid crystal display, visible in any ambient light.
	digital - multiplied precession frequency and gating pulse.
	analog - optional 0-99 or 0-999 gamma.
External Trigger:	permits externally triggered operation with periods longer than 1.85 sec. (optional minimum period 0.9 sec.)
Power Requirements:	12V 0.7A peak, 5mA standby.
Power Source:	internal - 12V 0.75Ah NiCd rechargeable battery 3,000 readings per full charge.
	external - 12-32V
Battery Charger:	input: 110/220V 50/.60Hz
	output: 14V 75mA DC.
Operating Temp.:	-35 to +55C

Dimensions:	console:	15x8x15cm. (6 x 3 1/4 x 6")
	sensor:	14x7cm dia (5 1/2 x 3" dia)
	staff:	175cm (70") extended,
		53cm (21") collapsed.
Weight:	2.7kg (6 lb) per standard complete with batteries.	

HP-85A Specifications

OPERATING SYSTEM

ROM ..... 32K bytes

USER READ/WRITE MEMORY

Standard ..... 16K bytes
Expansion memory module ..... 16K bytes

DYNAMIC RANGE

Real precision: -9.99999999999E499 to -1E-499, 0 and 1E-499 to 9.99999999999E499
Short precision: -9.9999E99 to -1E-99, 0, 1E-99 to 9.9999E99
Integer precision: -99999 to 99999

BUILT-IN FUNCTIONS

Mathematical and trigonometric functions are included in the following table with average execution times in msec.

Absolute (ABS)	0.83
Fractional part (FP)	1.01
Integer part (IP)	2.56
Maximum (MAX)	6.42
Minimum (MIN)	6.19
Modules (MOD)	2.21
ln (LOG)	32.11
log (LGT)	26.63
e^x (EXP)	24.54
Raise to power (Y↑X)	43.92
Random number (RND)	3.54
Sign (SGN)	0.90
Square root (SQR)	8.74
Sine (SIN)	45.62
Cosine (COS)	45.69
Tangent (TAN)	27.27
Arcsine (ASN)	43.23
Arccosine (ACS)	43.98
Arctangent (ATN)	22.76
Cosecant (CSC)	51.68
Secant (SEC)	51.72
Cotangent (COT)	27.29
+	1.08
−	1.12
÷	5.92
•	2.85
Ceiling (CEIL)	2.91
Floor (FLOOR)	3.33

Built-in Operators
Logic: AND, OR, NOT, EXOR
Relational: =, >, <, <=, >=, <> (or #)

CRT DISPLAY

Size ..... 127 mm (5 in.) diagonal
Capacity:
Alphanumeric ..... 16 lines × 32 characters
Graphics ..... 192 × 256 dots
Scrolling capacity ..... 64 lines
Character set ..... 256 characters; set of 128 + same set underscored
Character font ..... 5- × 7-dot matrix
Intensity ..... adjustable to 32 ft-lamberts
Cursor ..... underline

CLOCK AND TIMERS

Time is maintained as seconds since midnight, along with year and day in year. Three timers can be programmed to generate individual interrupts periodically, at intervals from 0.5 msec to 99,999,999 msec (1.16 days).

BEEPER

The beeper is programmable with parameters for duration and tone. The frequency range is approximately 0 to 4,575 Hz.

OPERATING REQUIREMENTS

Source ..... 115 Vac nominal (90-127 Vac)
230 Vac nominal (200-254 Vac)
Line frequency ..... 50-60 Hz

Consumption ..... 40 watts nominal

HP-85A operating temperature ..... 5° to 40°C (40° to 105°F)
HP-85A storage temperature ..... -40° to 65°C (-40° to 150°F)
HP-83A operating temperature ..... 0° to 55°C (32° to 131°F)
HP-83A storage temperature ..... -40° to 75°C (-40° to 167°F)
Ambient humidity ..... 5% to 80% at 40°C

SIZE AND WEIGHT

Height ..... 15.9 cm (6.3 in.)
Width ..... 41.9 cm (16.5 in.)
Depth ..... 45.2 cm (17.8 in.)
HP-85A Weight:
net ..... 9.1 kg (20 lbs)
shipping ..... 16.8 kg (37 lbs)
HP-83A Weight:
net ..... 7.3 kg (16 lbs)
shipping ..... 15.0 kg (33 lbs)

BASIC FUNCTIONS AND STATEMENTS

System Functions

ABS—Absolute value of the numeric expression.
ACS—Principal value (1st or 2nd quadrant) of the arccosine of the numeric expression in the current angular units.
ASN—Principal value (1st or 4th quadrant) of the arcsine of the numeric expression in the current angular units.
ATN—Principal value (1st or 4th quadrant) of the arctangent of the numeric expression in the current angular units.
ATN2—Arctangent of Y/X in proper quadrant.
CEIL—Smallest integer greater than or equal to the numeric expression.
COS—Cosine.
COT—Cotangent.
CSC—Cosecant.
DATE—Julian date in the format YYDDD, assuming system timer was set.
DTR—Converts the value of the numeric expression from degrees to radians.
EPS—A constant equal to the smallest positive real precision number, 1E-499.
ERRL—Line number of latest error.
ERRN—Error number of latest error.
EXP—Value of Napierian e raised to the power of the computed expression.
FLOOR—Largest integer less than or equal to the evaluated expression.
FP—Fractional part of the evaluated expression.
INF—A constant equal to the largest real number possible, 9.99999999999E499.
INT—Largest integer less than or equal to the evaluated expression (equivalent to FLOOR).
IP—Integer part of the numeric expression.
LGT—Common logarithm (base 10) of a positive numeric expression.
LOG—Natural logarithm (base e) of a positive numeric expression.
MAX—Larger of two values.
MIN—Smaller of two values.
PI—Numerical value of pi.
RMD—Remainder resulting from a division operation according to X-(Y*IP(X/Y)).
RND—Generates a number that is greater than or equal to zero and less than one, using a predetermined, pseudo-random sequence.
RTD—Converts the value of the numeric expression from radians to degrees.
SEC—Secant.
SGN—Returns a 1 if the expression is positive, -1 if negative, and 0 if exactly 0.
SIN—Sine.
SQR—Square root of a positive numeric expression.
TAN—Tangent.
TIME—Returns the time in seconds since midnight if the timer is set, or since machine turn-on otherwise, resetting automatically after 24 hours.

String Functions

CHR$—Converts a numeric value between 0 and 255 into a character corresponding to that value.
LEN—Returns the number of characters in a string.
NUM—Returns the decimal value corresponding to the first character of the string expression.
POS—Returns the position of the first character of a substring within another string or 0 if the substring is not found.
UPC$—Converts all lowercase letters in a string to uppercase letters.
VAL—Returns as a numeric value, including exponent, a string of digits so that the value may be used in calculations.
VAL$—Returns the value of a numeric expression as a string of digits.

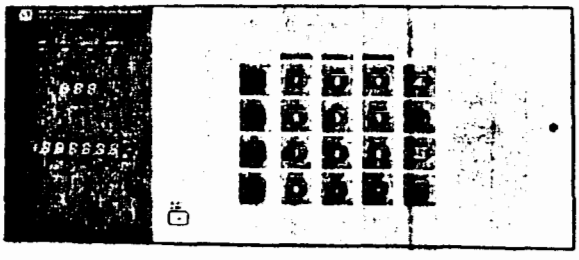
General Statements and Programmable Commands

BEEP—Outputs a tone of specified frequency for a specified duration.
CLEAR—Clears the CRT.
COM—Dimensions and reserves memory so chained programs can access the same data.
CRT IS—Allows the definition of either a printer or the actual CRT as the current CRT.
DATA—Provides constants and text characters for use with READ statements.
DEFAULT ON—Makes numeric overflows, underflows, and the use of uninitialized variables non-fatal by substituting an appropriate approximate value.
DEFAULT OFF—Makes numeric overflows, underflows, and the use of uninitialized variables fatal.
DEF FN—Defines a single- or multiple-line function.
DEG—Sets degree mode for evaluation and output of the arguments and results of trigonometric functions.
DIM—Declares the size and dimensions of array and string variables.
DISP—Outputs the values or text on the current CRT.
DISP USING—Displays values and text according to format specified by IMAGE statement or literal IMAGE.
END—Terminates program execution (same as STOP).
FLIP—Changes the keyboard from BASIC mode to typewriter mode or vice versa.
FN END—Terminates a multiple-line function.
FOR/NEXT—Defines a program loop and the number of iterations.
GOSUB—Transfers program control to a subroutine and allows subsequent return of control.
GOTO—Transfers program execution to the specified line.
GRAD—Sets grad mode for evaluation and output of the arguments and results of trigonometric functions.
IF...THEN...ELSE—Allows statements to be either executed or bypassed depending on the outcome of a logical expression.
IMAGE—Specifies the format used with PRINT USING or DISP USING statements.
INPUT—Allows entry of values or text from the keyboard during program execution.
INTEGER—Declares variables as integers as well as the size and dimensions of integer arrays.
KEY LABEL—Displays in the lower portion of the CRT, an eight-character prompt for each Special Function Key defined by an ON KEY statement. Also returns cursor to upper left corner of the CRT.
LET—Assigns a value to a variable or array element.
LIST—Lists the program on the CRT IS device. Also outputs bytes remaining at the end of a program.
NORMAL—Cancels the effect of the PRINT ALL, AUTO, or TRACE statements.
ON ERROR—Sets up a branch to the specified line or subroutine anytime an error occurs.
OFF ERROR—Cancels any ON ERROR statement previously executed.
ON KEY #—Sets up a branch to the specified line or subroutine each time the Special Function Key is pressed.

SPECIFICATIONS TABLES

SYSTEM ACCURACY SPECIFICATIONS

These system specifications combine individual accuracy specifications to result in a total measurement accuracy specification. For example, the resistance specifications combine the DVM, current source and acquisition assembly error terms.



Voltage Measured Through Acquisition Assembly

3497A Configuration:
DVM: 5½ digit, auto zero on
Relays Switches: Tree Switched

Accuracy: ±(% of reading + number of counts)

90 Days 23°C ± 5°C

Voltmeter Range	Digits Displayed 5½ digits	4½ digits	3½ digits
0.1V	0.007 + 5	0.01 + 2	0.1 + 1
1.0V	0.006 + 1	0.01 + 1	0.1 + 1
10.0V	0.006 + 1	0.01 + 1	0.1 + 1
100.0V	0.006 + 1	0.01 + 1	0.1 + 1

Resistance Measured Through an Acquisition Assembly

3497A Configuration:
DVM: 5½ digit, auto zero on
Current Source: As indicated
Relay Switches: Configured for a 4-terminal resistance measurement

Characteristics

Effective Resistance Range	Effective Resistance Resolution	Current Source Range	Range
100 Ω	1 mΩ	1 mA	.100000
1 kΩ	10 mΩ	100 μA	1.00000
10 kΩ	100 mΩ	100 μA	10.0000
100 kΩ	1 Ω	10 μA	10.0000

Accuracy: ±(% of reading + number of counts)

90 Days 23°C ± 5°C

Range Relays (Opt. 010)	Digits Displayed 5½ digits	4½ digits	3½ digits
100 Ω	.032 + 5	.035 + 2	0.125 + 1
1 kΩ	.032 + 5	.035 + 2	0.125 + 1
10 kΩ	.032 + 5	.035 + 2	0.125 + 1
100 kΩ	.031 + 2	.035 + 2	0.125 + 1

System Noise Rejection

Normal Mode Rejection (NMR): (50 or 60 Hz + .09%)

DVM Digits Displayed	Rejection
5½	60 dB
4½	0 dB
3½	0 dB

NMR is a function of the 3497A DVM configuration only and is not affected by the number of channels in the system.

Effective Common Mode Rejection (ECMR): The ECMR of a 3497A based system is a combination of the ECMR of the 3497A DVM and the effects of adding multiplexer assemblies and 3498A extenders.

ECMR: 1(kΩ imbalance in low lead, using tree switching, ac at 50 or 60 Hz, 25°C, <85% R.H.)

Voltmeter Configuration

Number of Acquisition Channels (Options 10,20)		5½ digits	4½ digits	3½ digits
0	AC	150 dB	90 dB	90 dB
	DC	120 dB	120 dB	120 dB
<100	AC	150 dB	90 dB	90 dB
	DC	104 dB	104 dB	104 dB
<400	AC	140 dB	80 dB	80 dB
	DC	92 dB	92 dB	92 dB
<1000	AC	130 dB	70 dB	70 dB
	DC	85 dB	85 dB	85 dB

Measurement Speeds

For the 3497A DVM and the relay multiplexer. Speeds are given for measurements on random channels (using software channel selection) and sequential channels (using external hardware increment). Speeds include I/O times to the indicated computers.

	Number of Digits Selected	85	Computer 9826*	1000L	1000E,F
Sequential Channels using external increment	5½ digits	39(33)**	39	39(25)	30(25)
	4½ digits	97(88)	103	108(79)	88(79)
	3½ digits	112(107)	123	127(99)	107(99)
Random Channels using software	5½ digits	13(15)	27	21(16)	22(16)
	4½ digits	14(21)	51	31(28)	35(30)
	3½ digits	14(23)	55	33(29)	35(32)

*9826 speeds for BASIC operating system
**50 Hz speeds in ( )

TIMER/REAL TIME CLOCK

Clock Format

Month:Day:Hours:Minutes:Seconds (Option 230)
Day:Month:Hours:Minutes:Seconds (Option 231)

	Maximum Time	Resolution	Accuracy	Output
Real Time Mode	1 year	1 second	±(.005% of time + .1s)	Display and HP-IB
Elapsed Time Mode	10^6 seconds	1 second	±(.005% of time + .1s)	Display and HP-IB
Time Alarm Mode	24 hours	1 second	±(.005% of time + .1s)	HP-IB SRQ
Time Interval Mode	24 hours	1 second	±(.005% of time + .1s)	50 μS TTL Pulse + HP-IB SRQ
Time Output Mode	1 second	100 μS	±(.02% of time)	16 μS TTL Pulse

Power Failure Protection: Battery back-up for >24 hours for time and elapsed time only

3497A MAINFRAME AUXILIARY INPUTS/OUTPUTS

Ext Trig. Input: TTL Compatible
Minimum pulse width: 50 n seconds

Ext Incr. Input: TTL Compatible
Minimum pulse width: 50 μ seconds

BBM Sync: TTL Compatible
This terminal serves as a break before make synchronizing signal to the 3497A and other equipment. The terminal is both an input and output with a low level indicating a channel is closed. The 3497A will not close any additional channels until the line is sensed high and the line will float high when all channels are open.

VM Complete Output: TTL Compatible
Pulse width = 500 n seconds

Channel Closed Output: TTL Compatible
Pulse width = 500 n seconds

Timer Interval Output: TTL Compatible
Output port for the time interval and time output functions.

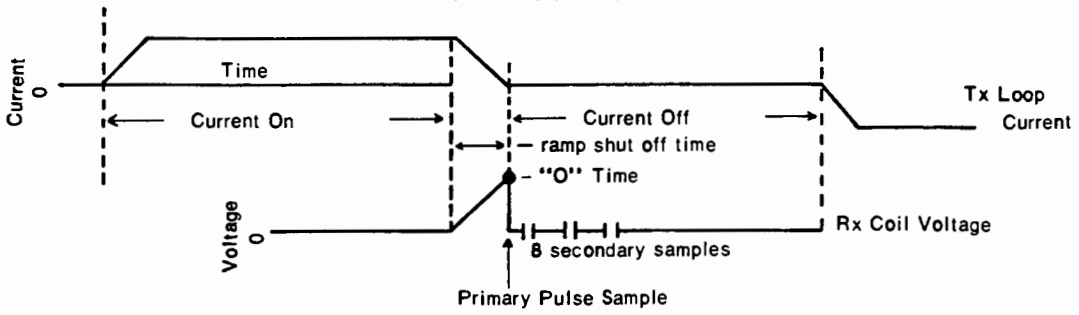
Physical Parameters

Size (3497A or 3498A): 190.5 mm (7½ in.) high
428.6 mm (16 7/8 in.) wide
520.7 mm (20½ in.) deep
An additional two inches in depth should be allowed for wiring.

Net Weight:

	3497A	3498A
Maximum (with assemblies in all slots)	20.4 kg (45 lbs.)	20.4 kg (45 lbs.)

PEM SPECIFICATIONS



Current Off time: 9.4 ms
Current on time: 10.8 ms
Current shut off (ramp) time: 1.4 ms
Sample times (zero to centre of sample): .15ms, .45ms, .85ms, 1.45ms, 2.45ms, 3.75ms, 5.85ms, 8.85ms.

Sample width: 100 μs
Zero time set at drop off point of primary pulse

TRANSMITTER – Transmitter power and loop size may be increased to obtain increased penetration. Weight, portability and power capabilities of the control instrument are the limiting factors. The standard transmitter is designed to be carried by two men.

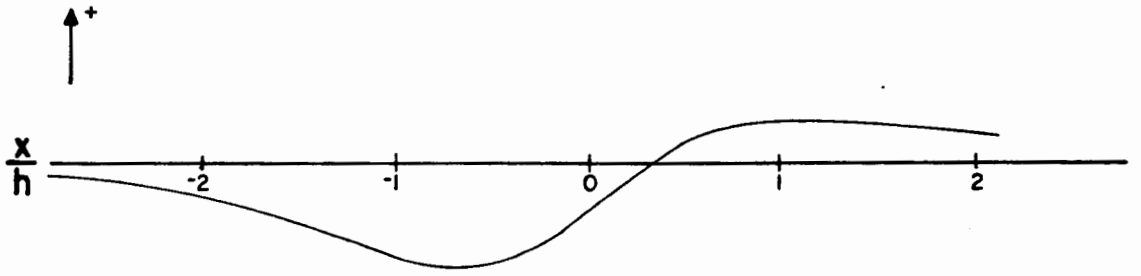
Loop diameter	– minimum 4 meters (13 feet)
Loop current	– 15 to 20 amps
Loop applied voltage	– 24 volts
Loop output	– minimum 4500 amps x meter ^{2}
Loop weight	– 11.8 kilos (26 lb)
Control unit weight	– 10 kilos (22 lb)
Control unit dimensions	– 20.5cm x 25.5cm x 36.5cm (8" x 10" x 14.5")
Battery supply weight	– 18.1 kilos (40 lb)
Battery supply	– 2 of 12 volt, 14 to 20 ampere hour

Timing control by radio synchronization

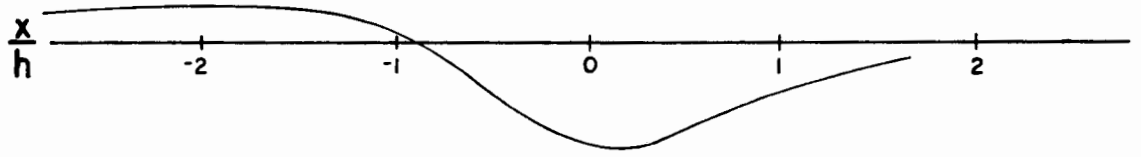
RECEIVER

- Receive coil dimensions: 55cm x 15cm (22" x 6")
- Receive coil weight: 4.5 kilos (10 lb)
- Preamplifier in coil
- Preamplifier batteries: 2 of 9 volt
- Receive coil tripod mounted
- Receiver measuring instrument dimensions: 28cm x 18cm x 21.5cm (11" x 7" x 9")
- Receiver measuring instrument weight: 6.3 kilos (14 lb)
- Timing control by radio synchronization
- Primary sample width: 100 μs
- Primary sample can be swept through primary pulse by means of a time calibrated pot
- Zero time set at primary pulse drop-off
- Secondary samples (eight of them) width: 100 μs
- Secondary samples time (zero to middle of sample): (1) .15ms (2) .45ms (3) .85ms (4) 1.45ms (5) 2.45ms (6) 3.75ms (7) 5.85ms (8) 8.85ms
- Automatic sampling for 5 seconds then all samples automatically stored
- Sample read out by means of meter
- Continuous sampling possible by switching function switch to "Continuous"
- Noise can be monitored by switching function switch to "Noise"
- Battery supply: 24 volt rechargeable, 2 of 12 volt Gel GC 12-15

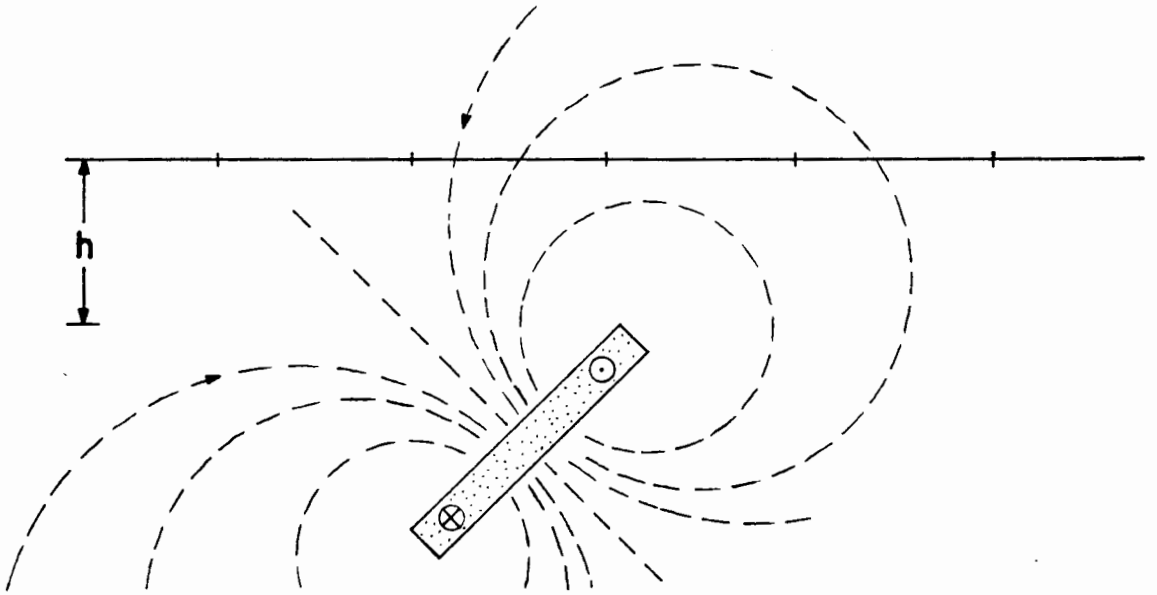
VERTICAL COMPONENT



HORIZONTAL COMPONENT

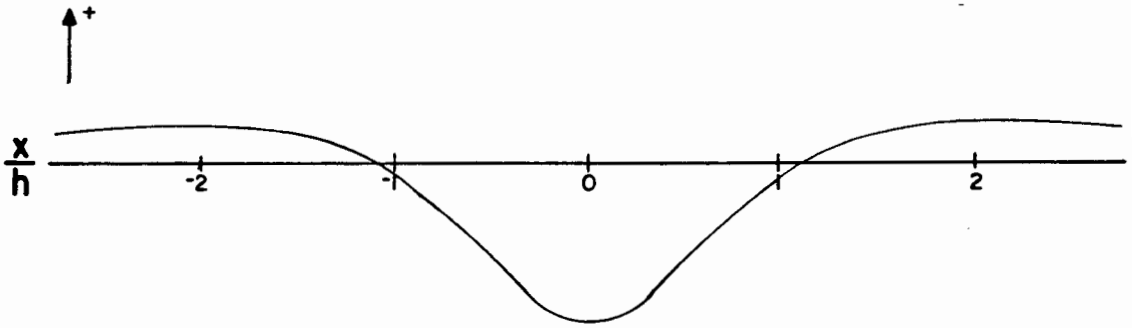


VPEM ANOMALY SHAPE

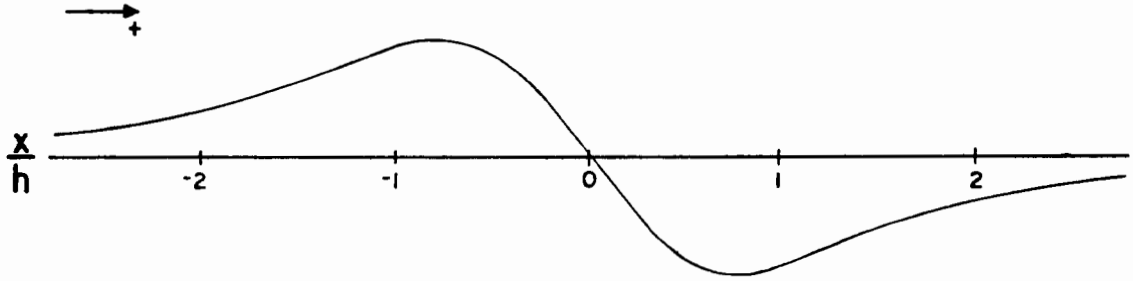


INCLINED TABULAR BODY

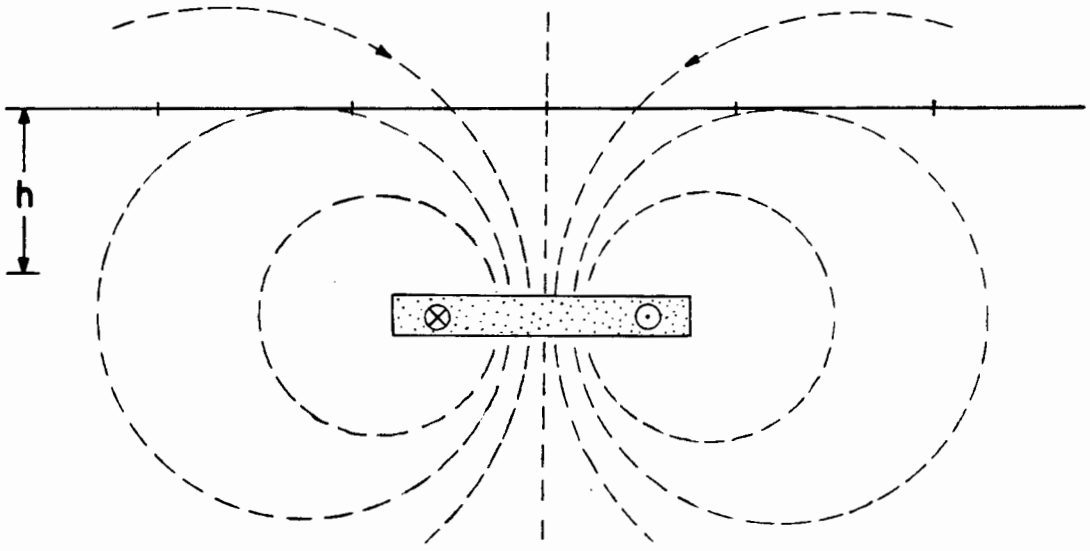
VERTICAL COMPONENT



HORIZONTAL COMPONENT

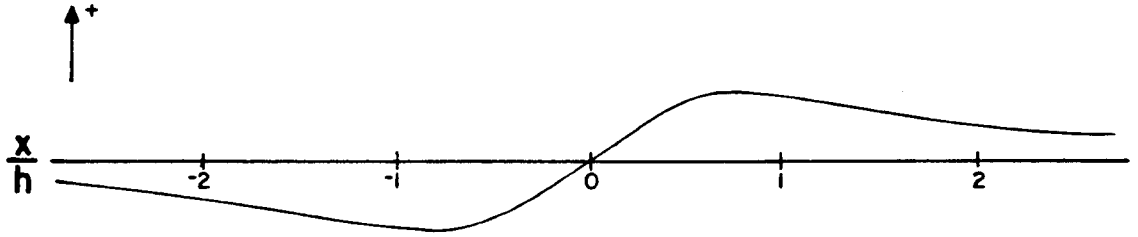


VPEM ANOMALY SHAPE

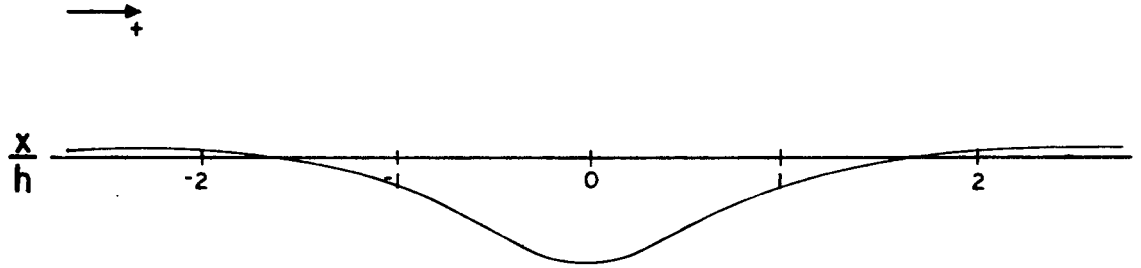


FLAT LYING TABULAR BODY

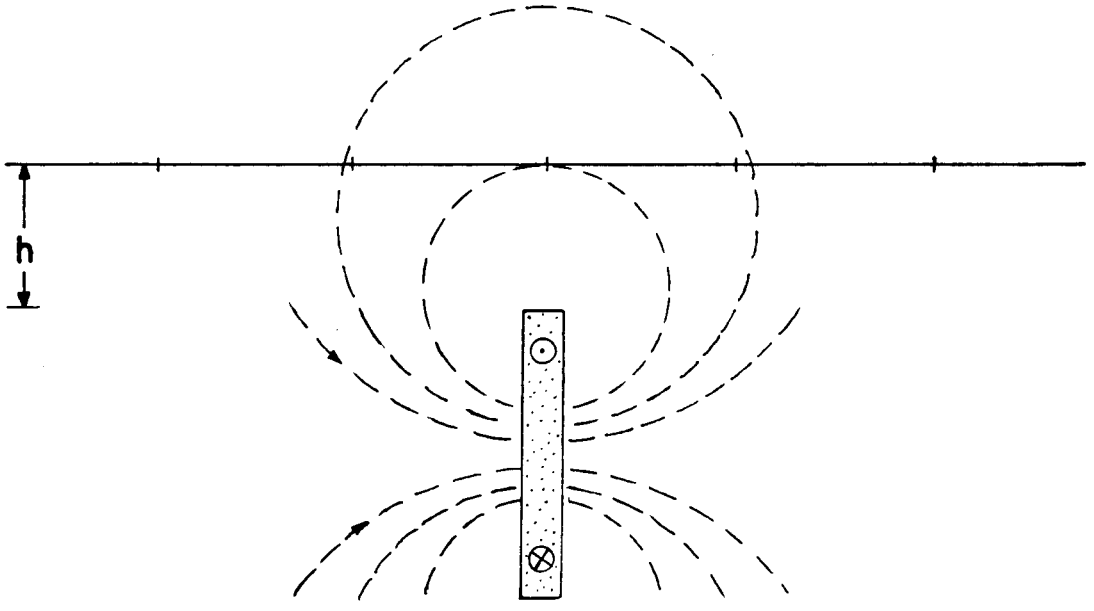
VERTICAL COMPONENT



HORIZONTAL COMPONENT



VPEM ANOMALY SHAPE



STEEPLY DIPPING TABULAR BODY

HUNTEC MK IV INDUCED POLARIZATION 2500W TRANSMITTER

SPECIFICATIONS

Power	96-144V line to line, 3 phase, 400 H_z (from Huntec generator set), 2500W
Output	Voltage: 150-2200V dc in 8 steps Current: 7A maximum on low ranges
Current Regulator	<.1% current change for 10% change in load resistance Settling time to 1% approximately 15 msec
Output Frequency (selectable in binary steps on front panel)	1/16 H_z to 1 H_z (time domain and complex resistivity) 1/16 H_z to 4 H_z (frequency domain)
Frequency Accuracy	$\pm$ 50 ppm, -30°C to 60°C
Output duty cycle defined as t_{ON} / (t_{ON} + t_{OFF})	1/2 to 15/16 in increments of 1/16 (time domain) 15/16 (complex resistivity) 3/4 (frequency domain)
Ouput current meter	Two ranges - 0-5A, 0-10A
Ground resistance meter	Two ranges - 0-10K ohms, 0-100K ohms

Input voltage meter	0-150V
Dummy load	Two levels: 500W, 1750W
Temperature range	-34°C to 50°C
Size	53 x 43 x 29 cm (21 x 17 x 11.5 ins)
Weight	26 kg (57 lbs.)

LOPO MARK III INDUCED POLARIZATION

SPECIFICATIONS

Maximum Current	1.5A D.C.
Maximum Voltage	1,800V D.C.
Load Range	Zero to infinity in five ranges
Maxium D.C. Load Power	In excess of 160 watts at 75% efficiency into following load resistances.
Load Current	Continuously adjustable, Max. Current/Min. Current = 10/1 When the transmitter is operated at half its available output current, it will hold this current constant to within 1% while the load resistance changes by $\pm$ 100%, or when the input voltage changes by $\pm$20% of its original value.
Turn On Time	Less than 10^{-3} seconds
Turn Off Time	Less than 10^{-3} seconds
Cycle Time	2, 4, 6, 8, or 16 seconds Cycle time is defined as 2 x (current on time + current off time)
Duty Ratio	1:1 Duty ratio is defined as (current on time)/(current off time)

Timing Accuracy	±0.01% Additional timing programmes including square wave output are available as options
Voltages	24 to 36 volts D.C.
Maximum Current	12 amperes
Batteries	Six GC-680-1 lead-acid Gel/Cel, 8 amp-hour The input power source can be batteries or any unregulated D.C. source between 30-40 volts supplying 10 to 15 amperes
Ambient Temperatures	-30°F to +120°F (-35°C to +50°C) Forced air cooling by automatically actuated internal fan
Altitude	-30,000 to +20,000 feet (-9,150 m to +6,100 m)
Humidity	The set may be operated in saturated air, and in rain without damage or risk of malfunction
Instrument Package	14.5 x 6 x 8.5 inches overall (37 x 15.2 x 22.5 cm) 18.5 pounds (8.4 kg)
Battery Package	14.5 x 8.5 x 5.75 inches overall (37 x 22.5 x 14.7 cm) 27 pounds (12.3 kg)

300 N | 200 N | 100 N | 00 | 100 S | 200 S | 300 S | 400S | 500 S | 600 S

VLF EM

APPARENT CHARGEABILITY (milliseconds)

STRONG VLF EM CONDUCTOR

FAULT

FAULT

GOOD ANOMALY VLF EM

GRAPHITE

APPARENT RESISTIVITY (ohm-metres)

FAULT

MAJOR FAULT

INSTRUMENT: HUNTEC LOPO MK 3

METRES
0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.

WESTMOUNT PROJECT

DIPOLE-DIPOLE INDUCED POLARIZATION SURVEY

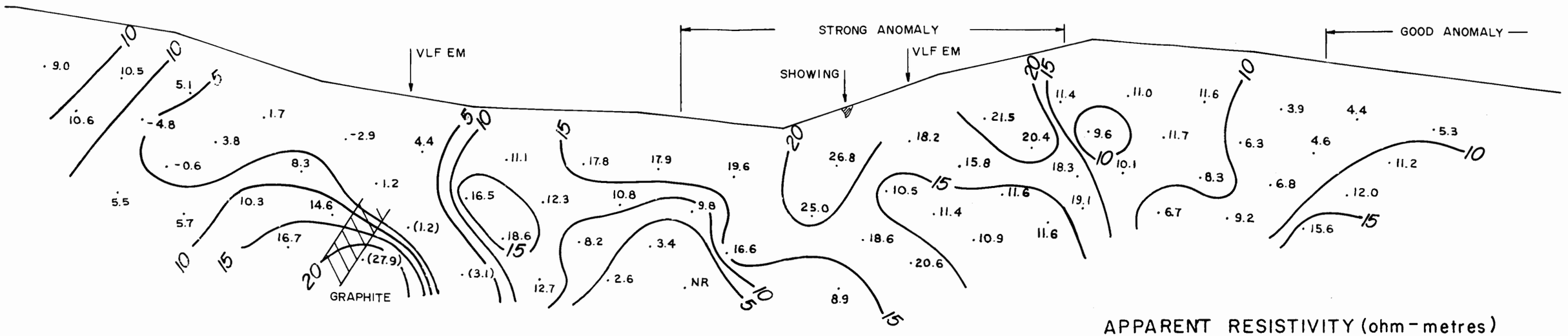
LINE 800 W

DATE: JUNE/85

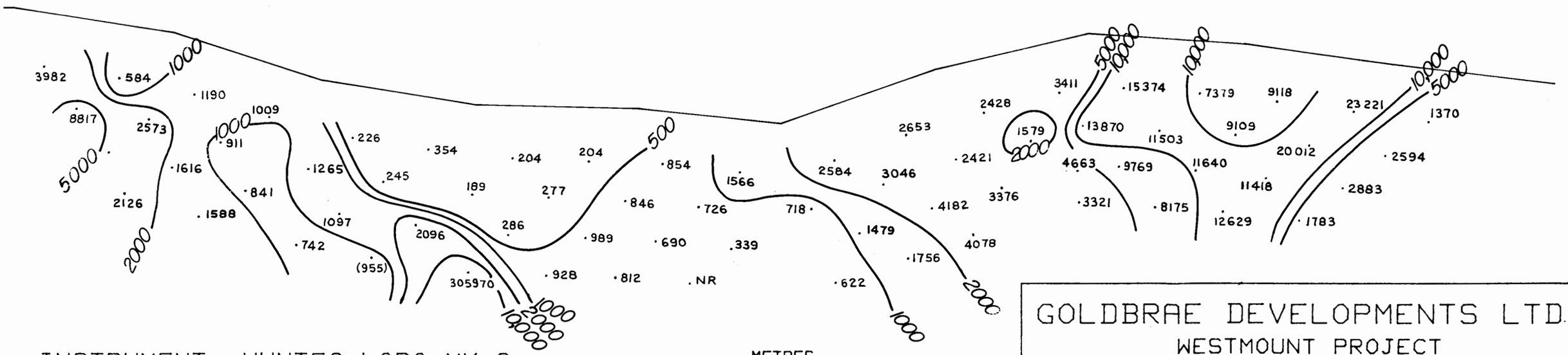
FIG.: 4-3-1

200 N | 100 N | 00 | 100 S | 200 S | 300 S | 400 S | 500 S | 600 S | 700 S | 800 S

APPARENT CHARGEABILITY (milliseconds)



APPARENT RESISTIVITY (ohm-metres)



INSTRUMENT: HUNTEC LOPO MK 3

METRES
0 25 50 75 100

GOLDBRAE DEVELOPMENTS LTD.

WESTMOUNT PROJECT

DIPOLE-DIPOLE INDUCED POLARIZATION SURVEY

LINE 750 W

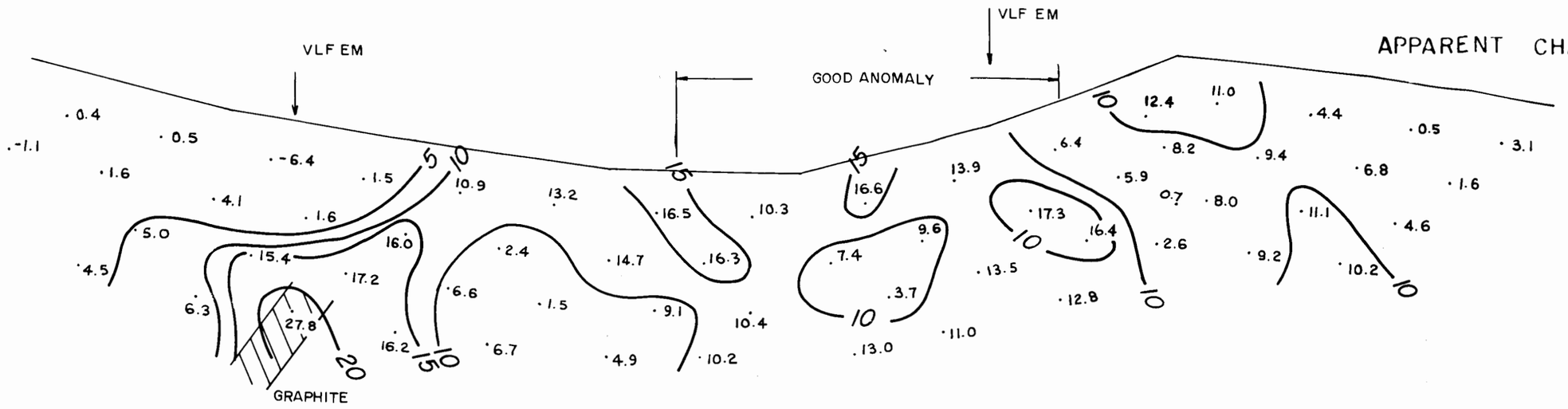
WHITE GEOPHYSICAL INC.

DATE: JUNE/85

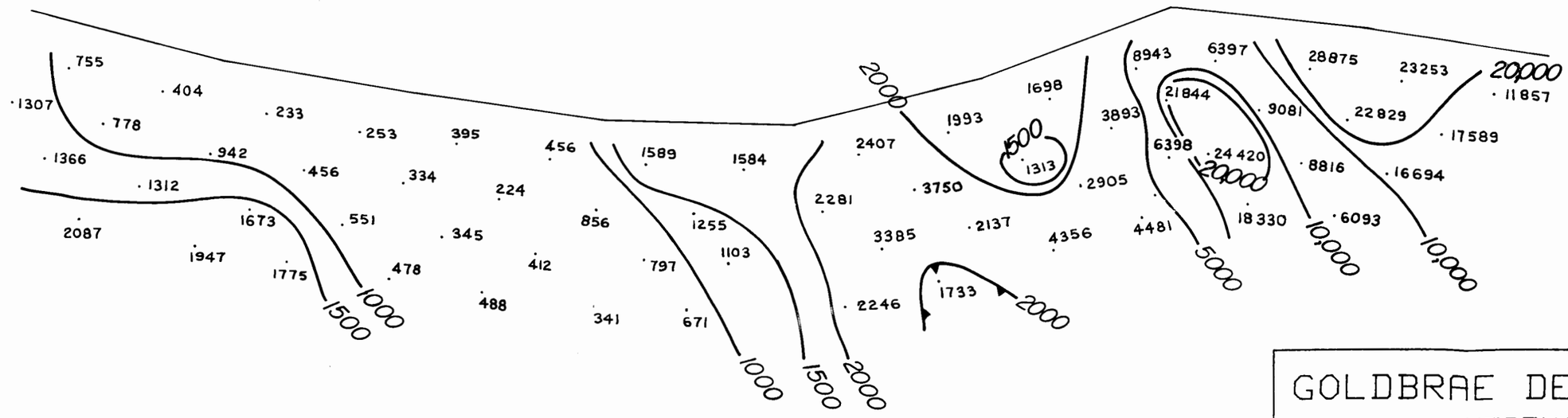
FIG.: 4.3.2

100N 00 100S 200S 300S 400S 500S 600S 700S

APPARENT CHARGEABILITY (milliseconds)



APPARENT RESISTIVITY (ohm-metres)



INSTRUMENT: HUNTEC LOPO MK 3

METRES
0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.

WESTMOUNT PROJECT

DIPOLE-DIPOLE INDUCED POLARIZATION SURVEY

LINE 700 W

DATE: JUNE/85

FIG.: 4.3.3

700N 600N 500N 400N 300N 200N 100N 00 100S

HIGH GEOCHEM

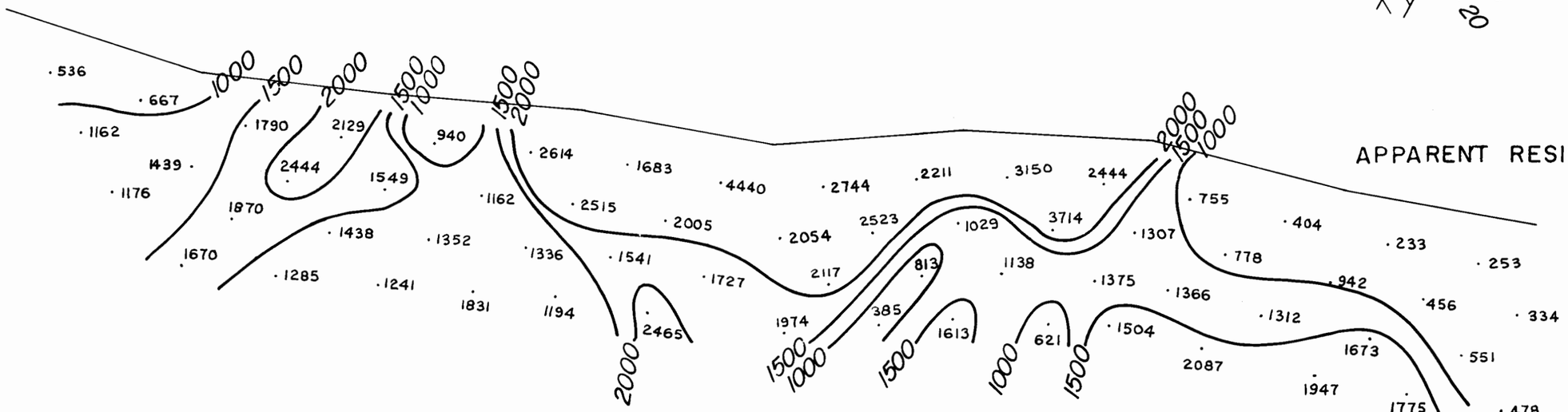
GOOD ZONE

VLF EM

STRONG ANOMALY

APPARENT CHARGEABILITY (milliseconds)

VLF EM



INSTRUMENT: HUNTEC LOPO MK 3

METRES

0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.

WESTMOUNT PROJECT

DIPOLE-DIPOLE INDUCED POLARIZATION SURVEY

LINE 700 W

DATE: JUNE/85

FIG.: 4.3.4.

550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 280N 250N 230N 200N 180N 150N 130N 100N 75N 50N 30N 0S 30S 50S 75S 100S 130S 150S 180S 200S 230S 250S 280S 300S 325S 350S 375S 400S 425S

STRONG ANOMALY

VLF EM

GOOD ZONE

NARROW SHALLOW ZONE

VLF EM

GOOD ZONE

APPARENT CHARGEABILITY (Milliseconds)

APPARENT RESISTIVITY (Ohm-metres*10)

INSTRUMENT: 36 CHANNEL MULTIPOLE I.P.

METRES

0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.

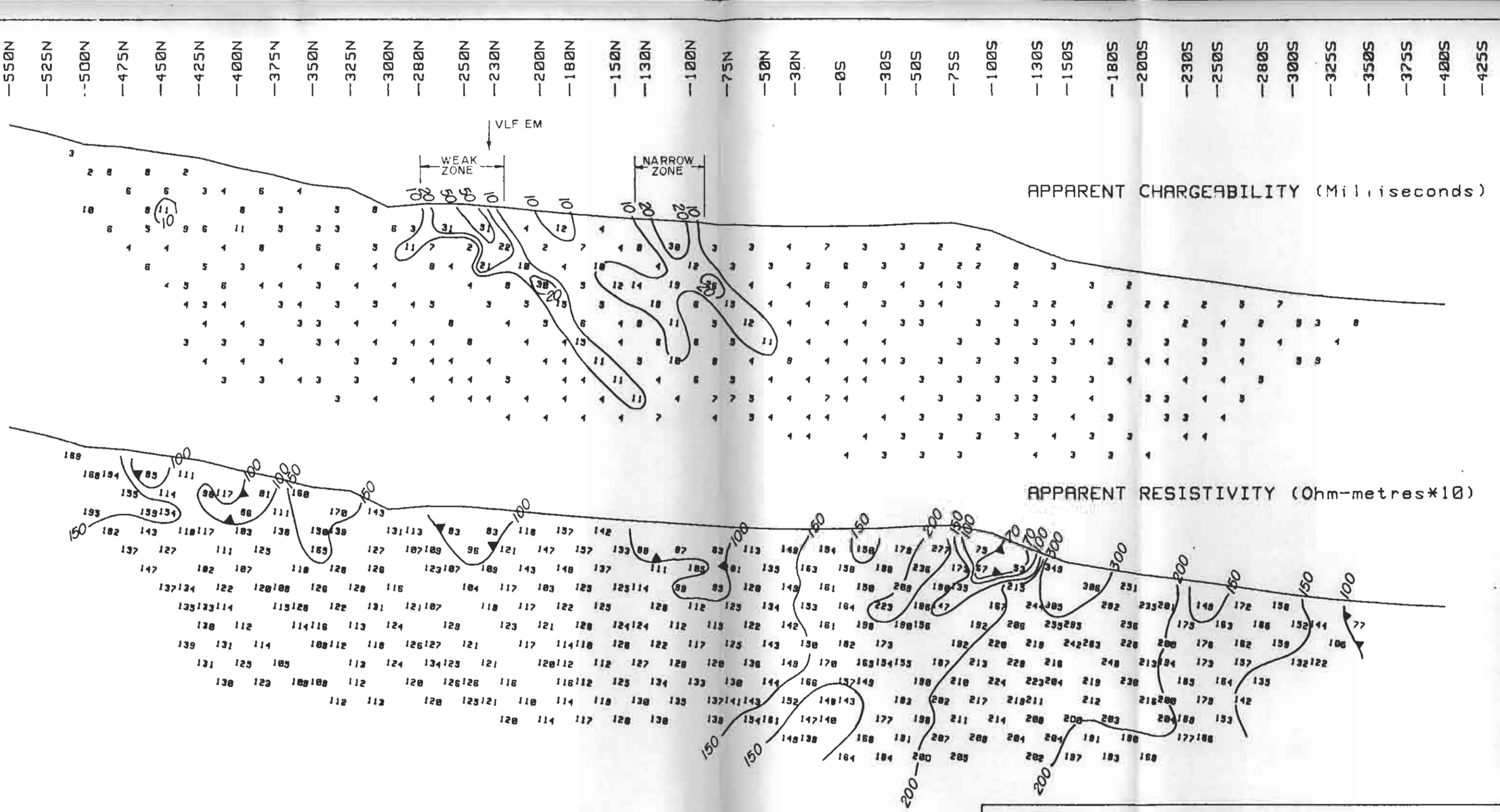
WESTMOUNT PROJECT

MULTIPOLE INDUCED POLARIZATION SURVEY

LINE 550W

DATE: JUNE/85

FIG.: 4.3.5



INSTRUMENT: 36 CHANNEL MULTIPOLE I.P.

METRES
0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.

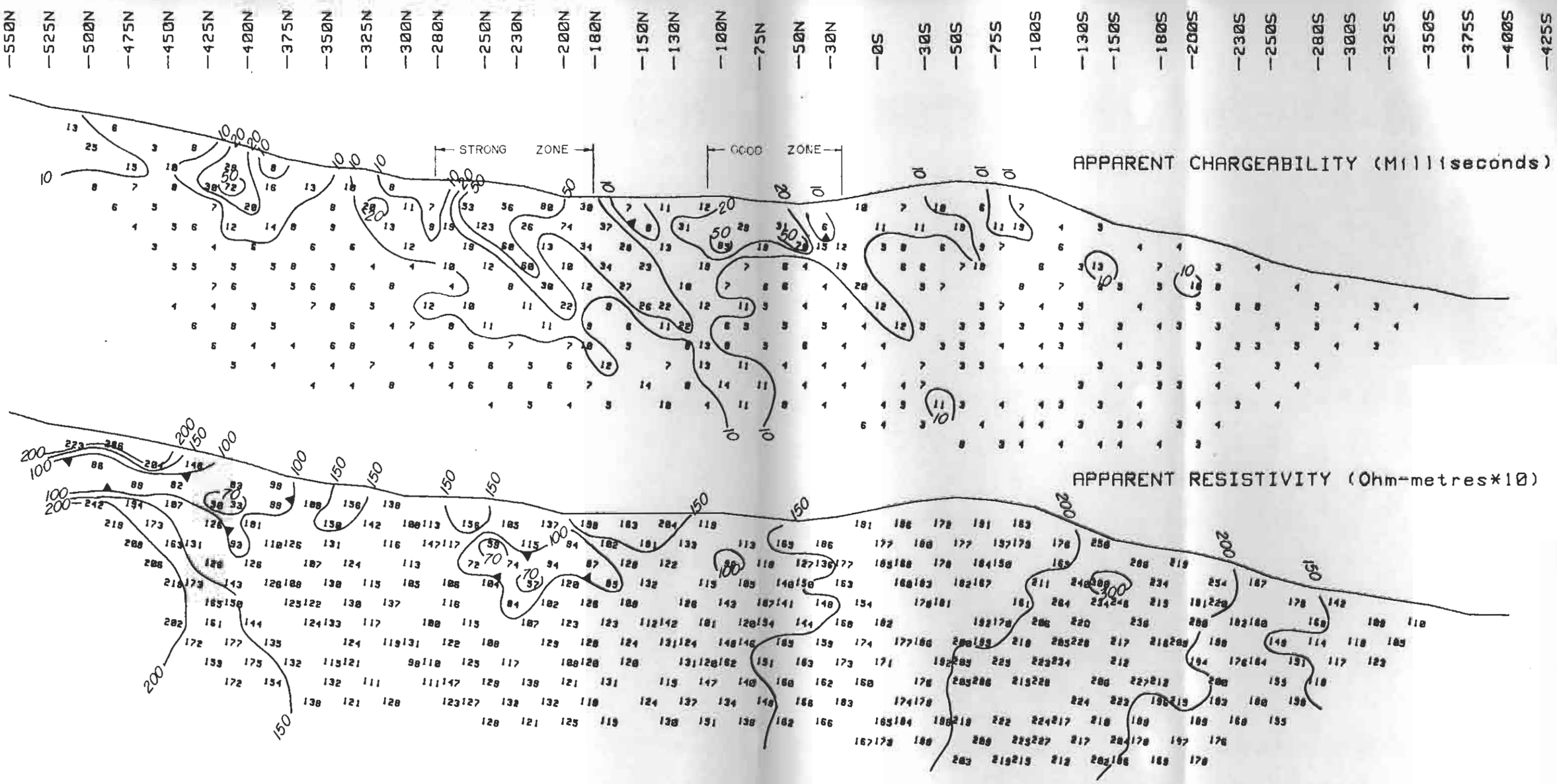
WESTMOUNT PROJECT

MULTIPOLE INDUCED POLARIZATION SURVEY

LINE 500W

DATE: JUNE/85

FIG.: 4.3.6



INSTRUMENT: 36 CHANNEL MULTIPOLE I.P.

METRES
0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.

WESTMOUNT PROJECT

MULTIPOLE INDUCED POLARIZATION SURVEY

LINE 450W

DATE: JUNE/85

FIG.: 4.3.7

—550N —525N —500N —475N —450N —425N —400N —375N —350N —325N —300N —280N —250N —230N —200N —180N —150N —130N —100N —75N —50N —30N —0S —30S —50S —75S —100S —130S —150S —180S —200S —230S —250S —280S —300S —325S —350S —375S —400S

VLF EM

STRONG & NARROW

WEAK ZONE

APPARENT CHARGEABILITY (Milliseconds)

APPARENT RESISTIVITY (Ohm-metres*10)

INSTRUMENT: 36 CHANNEL MULTIPOLE I.P.

METRES

0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.

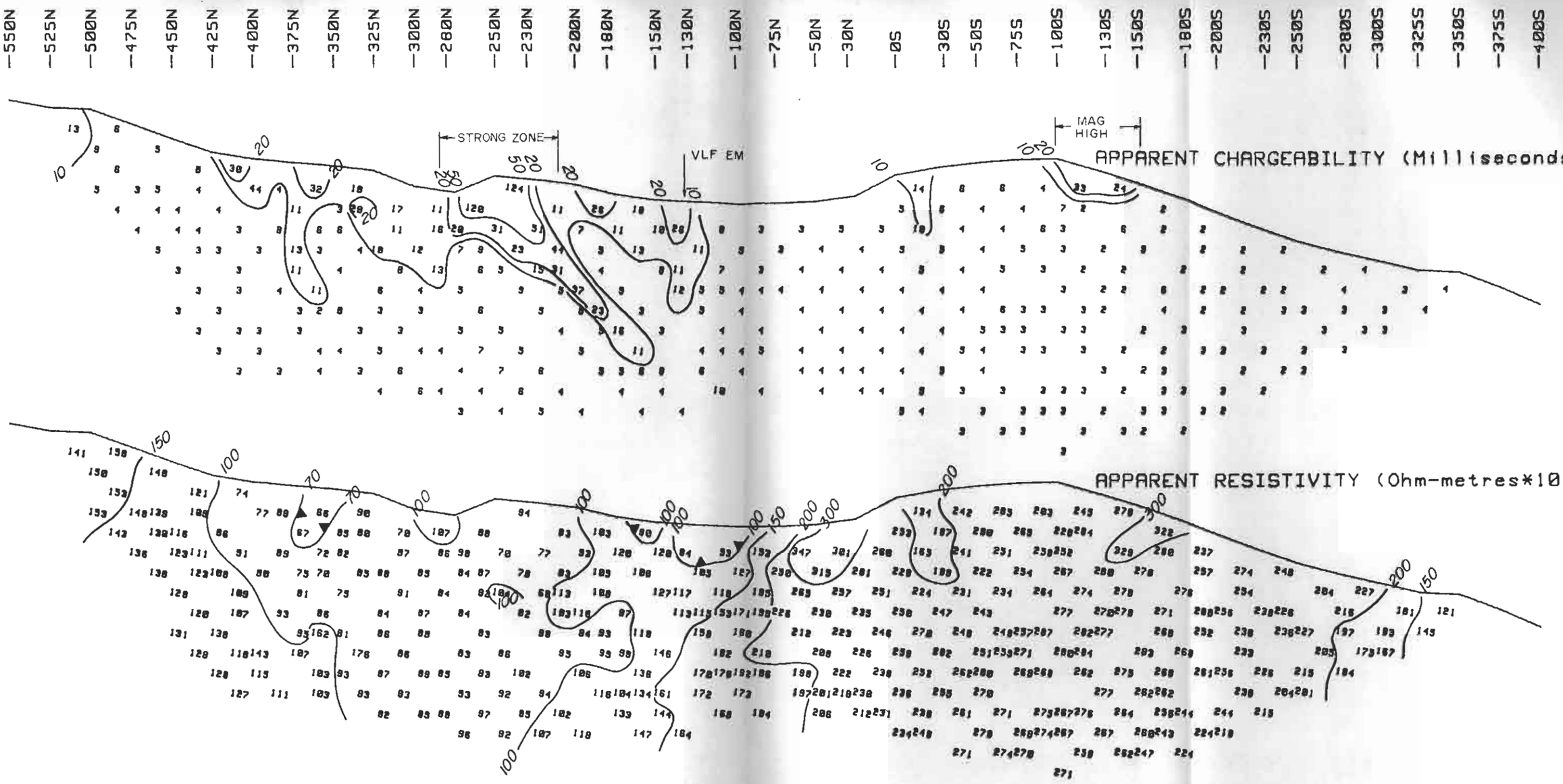
WESTMOUNT PROJECT

MULTIPOLE INDUCED POLARIZATION SURVEY

LINE 400W

DATE: JUNE/85

FIG.: 4.3.8



INSTRUMENT: 36 CHANNEL MULTIPOLE I.P.

METRES
0 25 50 75 100

GOLDBRAE DEVELOPMENTS LTD.

WESTMOUNT PROJECT

MULTIPOLE INDUCED POLARIZATION SURVEY

LINE 350W

WHITE GEOPHYSICAL INC.

DATE: JUNE/85

FIG.: 4.3.9

-550N -525N -500N -475N -450N -425N -400N -375N -350N -325N -300N -280N -250N -230N -200N -180N -150N -130N -100N -75N -50N -30N -0S -30S -50S -75S -100S -130S -150S -180S -200S -230S -250S -280S -300S -325S -350S -375S -400S

FAULT
VLF EM
WEAK
WEAK

APPARENT CHARGEABILITY (Milliseconds)

APPARENT RESISTIVITY (Ohm-metres*10)

INSTRUMENT: 36 CHANNEL MULTIPOLE I.P.

METRES
0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.

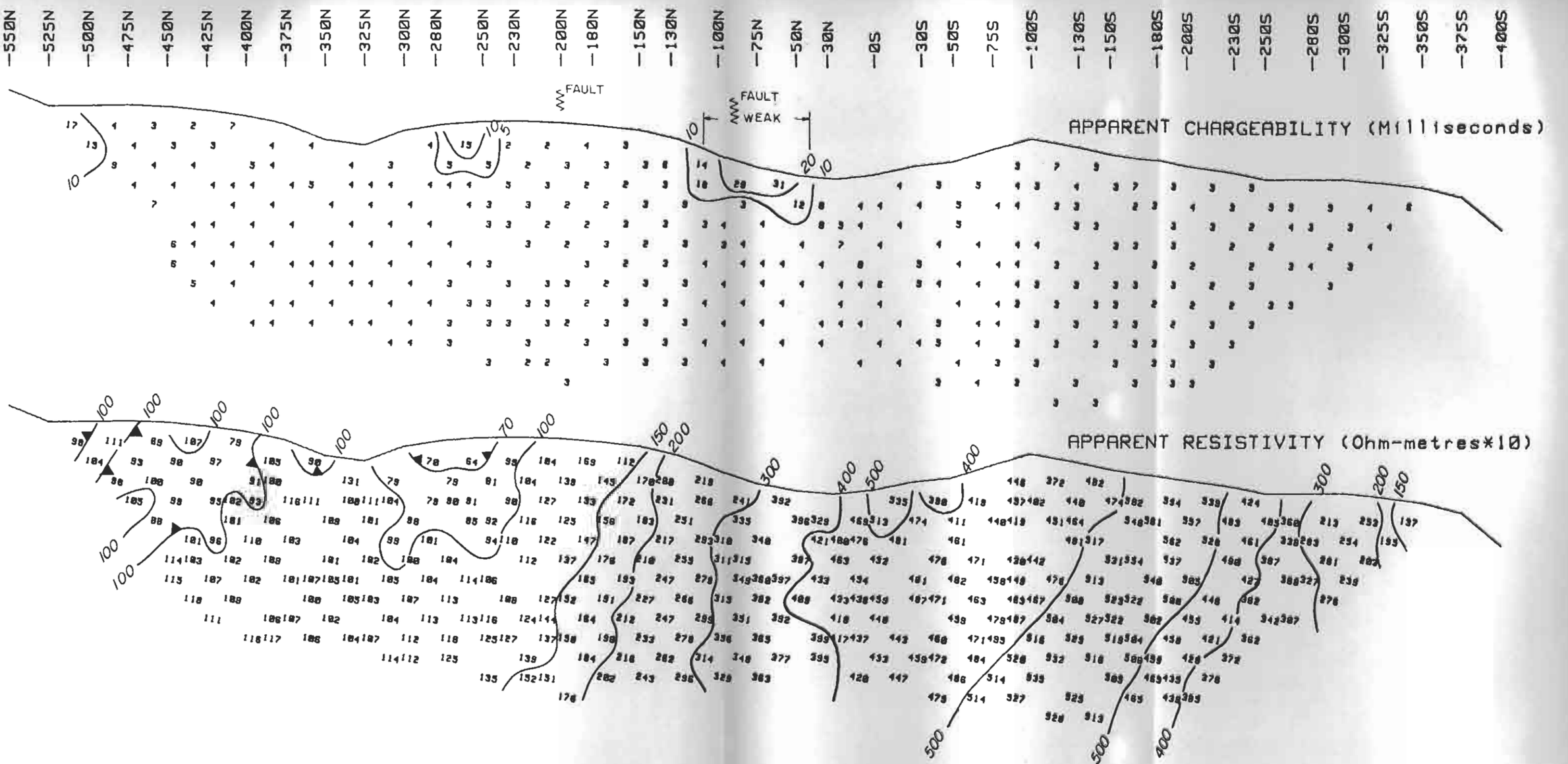
WESTMOUNT PROJECT

MULTIPOLE INDUCED POLARIZATION SURVEY

LINE 300W

DATE: JUNE/85

FIG.: 4.3.10



INSTRUMENT: 36 CHANNEL MULTIPOLE I.P.

METRES
0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.

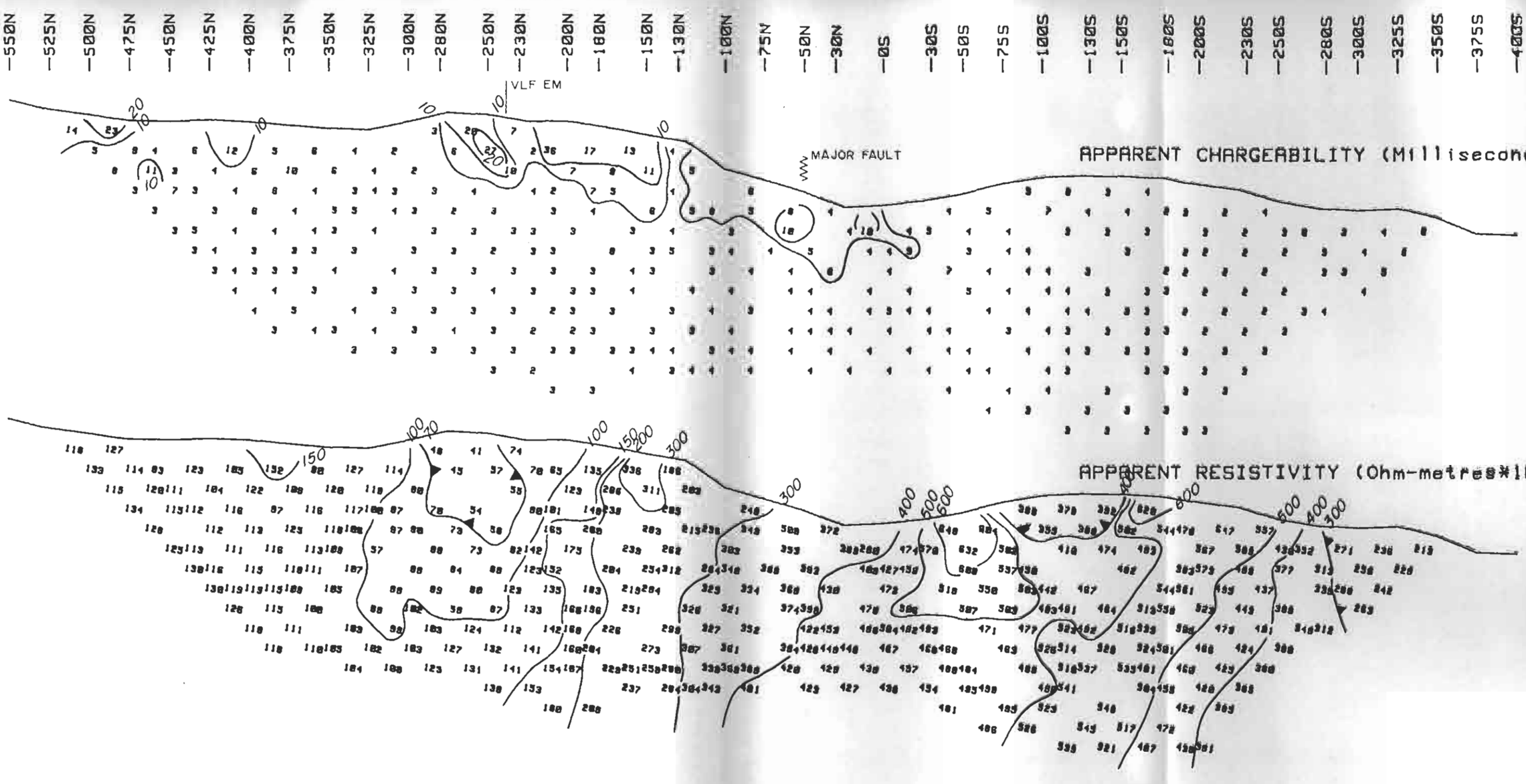
WESTMOUNT PROJECT

MULTIPOLE INDUCED POLARIZATION SURVEY

LINE 250W

DATE: JUNE/85

FIG.: 4.3.11



INSTRUMENT: 36 CHANNEL MULTIPOLE I.P.

METRES
0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.

WESTMOUNT PROJECT

MULTIPOLE INDUCED POLARIZATION SURVEY

LINE 200W

DATE: JUNE/85

FIG.: 4.3.12

550N 525N 500N 475N 450N 425N 400N 375N 350N 325N 300N 280N 250N 230N 200N 180N 150N 130N 100N 75N 50N 30N 0S 30S 50S 75S 100S 130S 150S 180S 200S 230S 250S 280S 300S 325S 350S 375S 400S

FAULT

PEM
VLF EM

MAJOR FAULT
MAG LOW

APPARENT CHARGEABILITY (Milliseconds)

APPARENT RESISTIVITY (Ohm-metres*10)

INSTRUMENT: 36 CHANNEL MULTIPOLE I.P.

METRES
0 25 50 75 100

WHITE GEOPHYSICAL INC.

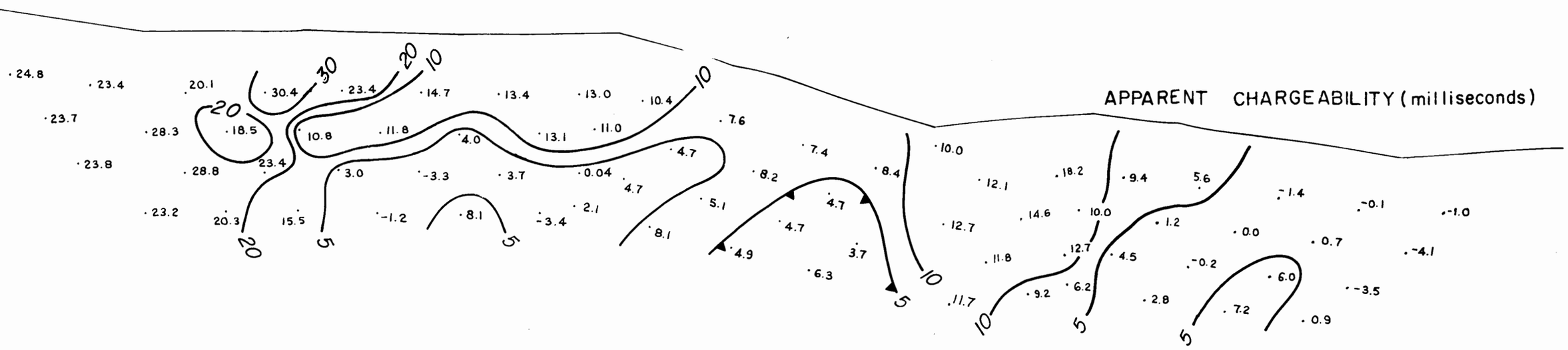
GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
MULTIPOLE INDUCED POLARIZATION SURVEY
LINE 150W

DATE: JUNE/85

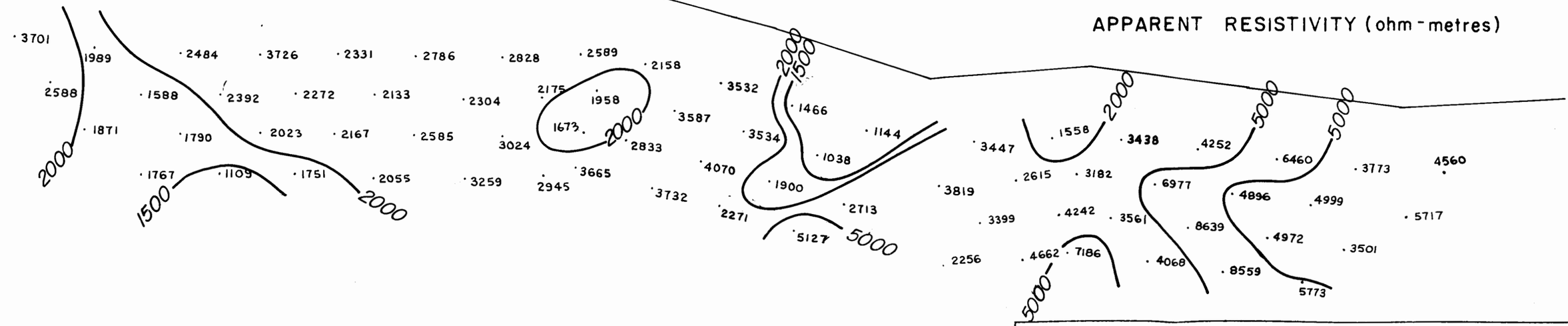
FIG.: 4.3.13

600N 500N 400N 300N 200N 100N 00N 100S 200S 300S 400S

APPARENT CHARGEABILITY (milliseconds)



APPARENT RESISTIVITY (ohm-metres)



INSTRUMENT: HUNTEC LOPO MK 3

METRES
0 25 50 75 100

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
DIPOLE-DIPOLE INDUCED POLARIZATION SURVEY
LINE 150 W

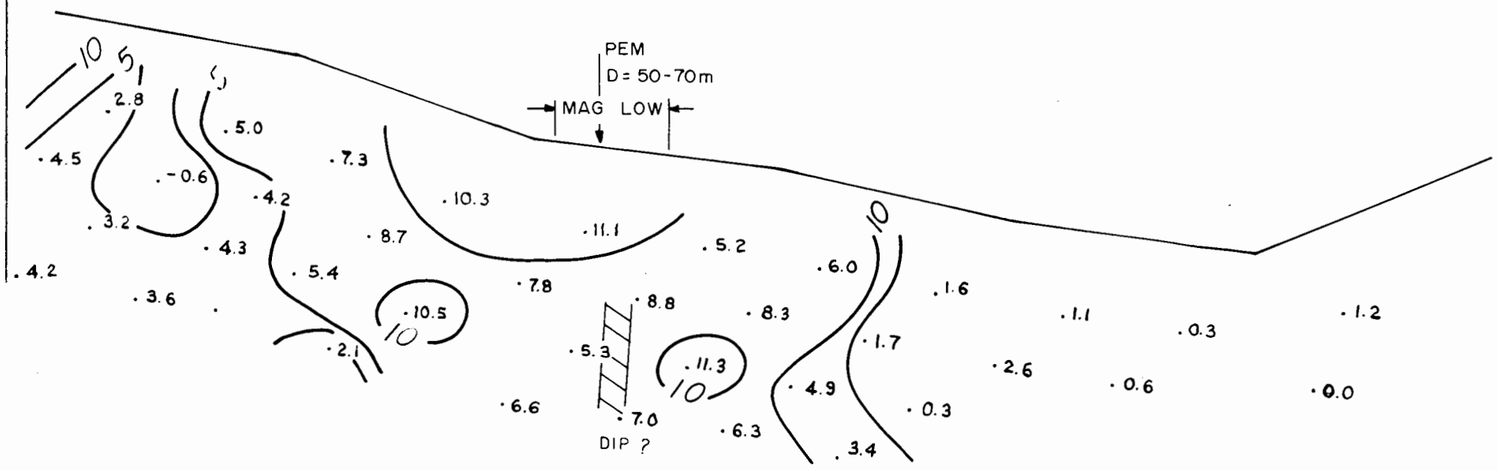
WHITE GEOPHYSICAL INC.

DATE: JUNE/85

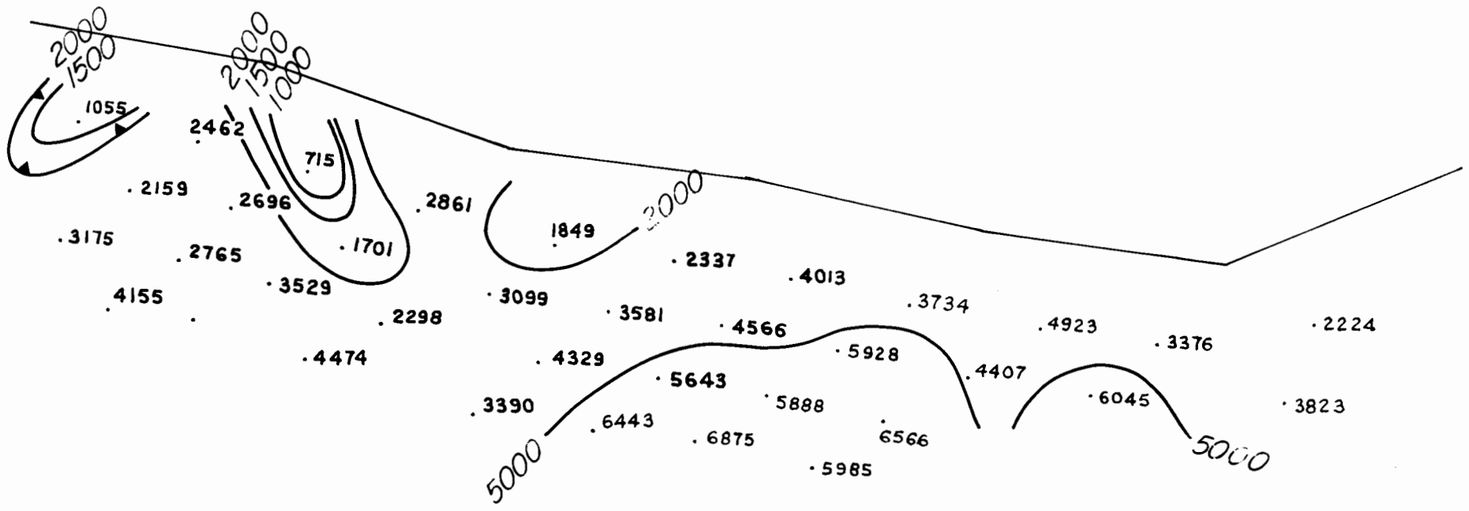
FIG.: 4.3.14

200 N | 100 N | 00 | 100 S | 200 S | 300 S | 400 S

APPARENT CHARGEABILITY (milliseconds)



APPARENT RESISTIVITY (ohm-metres)



INSTRUMENT: HUNTEC LOPO MK 3

METRES
0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
DIPOLE-DIPOLE INDUCED POLARIZATION SURVEY
LINE 100W

DATE: JUNE/85 | FIG.: 4.3.16

800 N | 700 N | 600 N | 500 N | 400 N | 300 N | 200 N | 100 N | 00 | 100 S

MINERALIZATION

STRONG CHARGEABILITY

MAJOR FAULT

VLF EM

PEM

APPARENT CHARGEABILITY (milliseconds)

8.2 -0.8 -7.2 1.1 8.6 -2.0 1.8 18.8 15.0 24.1 31.8 36.5 24.4 20.8 12.4 4.3 16.4 16.3 39.0 30.7 23.0 34.2 35.4 30.4 24.0 24.9 21.1 15.5 19.5 24.5 11.6 10.0 8.1 2.8 11.1 4.7 4.1 3.4 -4.7 9.0 -3.2 -4.2 12.0 9.0 8.0 4.5 2.8 -0.6 -3.6 0.4 -2.0 3.2 4.3 5.0 4.2 5.4 -2.1 7.3 8.7 10.3 7.8 10.5 6.6

MAG LOW

APPARENT RESISTIVITY (ohm-metres)

619 .284 354 705 465 .1480 815 3008 .1053 311 534 .551 .346 6146 608 359 407 574 .2286 .2027 2098 1967 .1766 2140 2228 763 849 .1965 1883 1344 .1050 .798 2718 .1396 1615 2191 .1847 2241 1899 6282 2044 .1463 1951 5000 2576 .3335 .3800 2429 1055 1872 3175 4155 2159 2462 .2765 3529 2696 715 .1701 2861 .2298 3099 .4474 4329 .3390

FAULT

INSTRUMENT: HUNTEC LOPO MK 3

METRES
0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
DIPOLE-DIPOLE INDUCED POLARIZATION SURVEY
LINE 100 W

DATE: JUNE/85

FIG.: 4.3.15

600N 500N 400N 300N 200N 100N 00N 100S 200S 300S 400S

GOOD ← CHARGEABILITY →

PEM NARROW ZONE

PROJECTED FAULT, MAG LOW

APPARENT CHARGEABILITY (milliseconds)

PEM

DEEP ZONE

APPARENT RESISTIVITY (ohm-metres)

INSTRUMENT: HUNTEC LOPO MK 3

METRES

0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.

WESTMOUNT PROJECT

DIPOLE-DIPOLE INDUCED POLARIZATION SURVEY

LINE 50 W

DATE: JUNE/85

FIG.: 4.3.17

600N — STRONG — 500N — 400N — 300N — 200N — 100N — 00N — 100S — 200S — 300S — 400S

PEM — MAG HIGH — MAG HIGH SHOWING — PEM — MAG HIGH SHOWING — PEM DEEP 100 m

APPARENT CHARGEABILITY (milliseconds)

APPARENT RESISTIVITY (ohm-metres)

INSTRUMENT: HUNTEC LOPO MK 3

METRES
0 25 50 75 100

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
DIPOLE-DIPOLE INDUCED POLARIZATION SURVEY
LINE 00 W

WHITE GEOPHYSICAL INC.

DATE: JUNE/85

FIG.: 4.3.18

600N — STRONG — 500N — 400N — 300N — 200N — 100N — 00 N — 100S — 200S — 300S — 400S

MAG HIGH — MAG LOW — PEM — FAULT — PEM

APPARENT CHARGEABILITY (milliseconds)

APPARENT RESISTIVITY (ohm-metres)

MAG HIGH

INSTRUMENT: HUNTEC LOPO MK 3

METRES
0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.

WESTMOUNT PROJECT

DIPOLE-DIPOLE INDUCED POLARIZATION SURVEY

LINE 50 E

DATE: JUNE/85

FIG.: 4.3.19

600N | STRONG | 500N | 400N | 300N | 200N | 100N | 50N | 00N | 100S | 200S | 300S | 400S

VLF | PEM | PEM MAG HIGH | FAULT MAG LOW | DEEP PEM | DEEP ZONE

APPARENT CHARGEABILITY (milliseconds)

APPARENT RESISTIVITY (ohm-metres)

INSTRUMENT: HUNTEC LOPO MK 3

METRES
0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.

WESTMOUNT PROJECT

DIPOLE-DIPOLE INDUCED POLARIZATION SURVEY

LINE 100E

DATE: JUNE/85

FIG.: 4.3.20

600N 500N 400N 300N 200N 100N 00N 100S 200S 300S 400S

APPARENT CHARGEABILITY (milliseconds)

APPARENT RESISTIVITY (ohm-metres)

INSTRUMENT: HUNTEC LOPO MK 3

METRES
0 25 50 75 100

GOLDBRAE DEVELOPMENTS LTD.

WESTMOUNT PROJECT

DIPOLE-DIPOLE INDUCED POLARIZATION SURVEY

LINE 150E

WHITE GEOPHYSICAL INC.

DATE: JUNE/85

FIG.: 4.3.21

600N 500N 400N 300N 200N 100N 00N 100S 200S 300S 400S

APPARENT CHARGEABILITY (milliseconds)

APPARENT RESISTIVITY (ohm-metres)

DEEP ZONE

DEEP ZONE

INSTRUMENT: HUNTEC LOPO MK 3

METRES
0 25 50 75 100

WHITE GEOPHYSICAL INC.

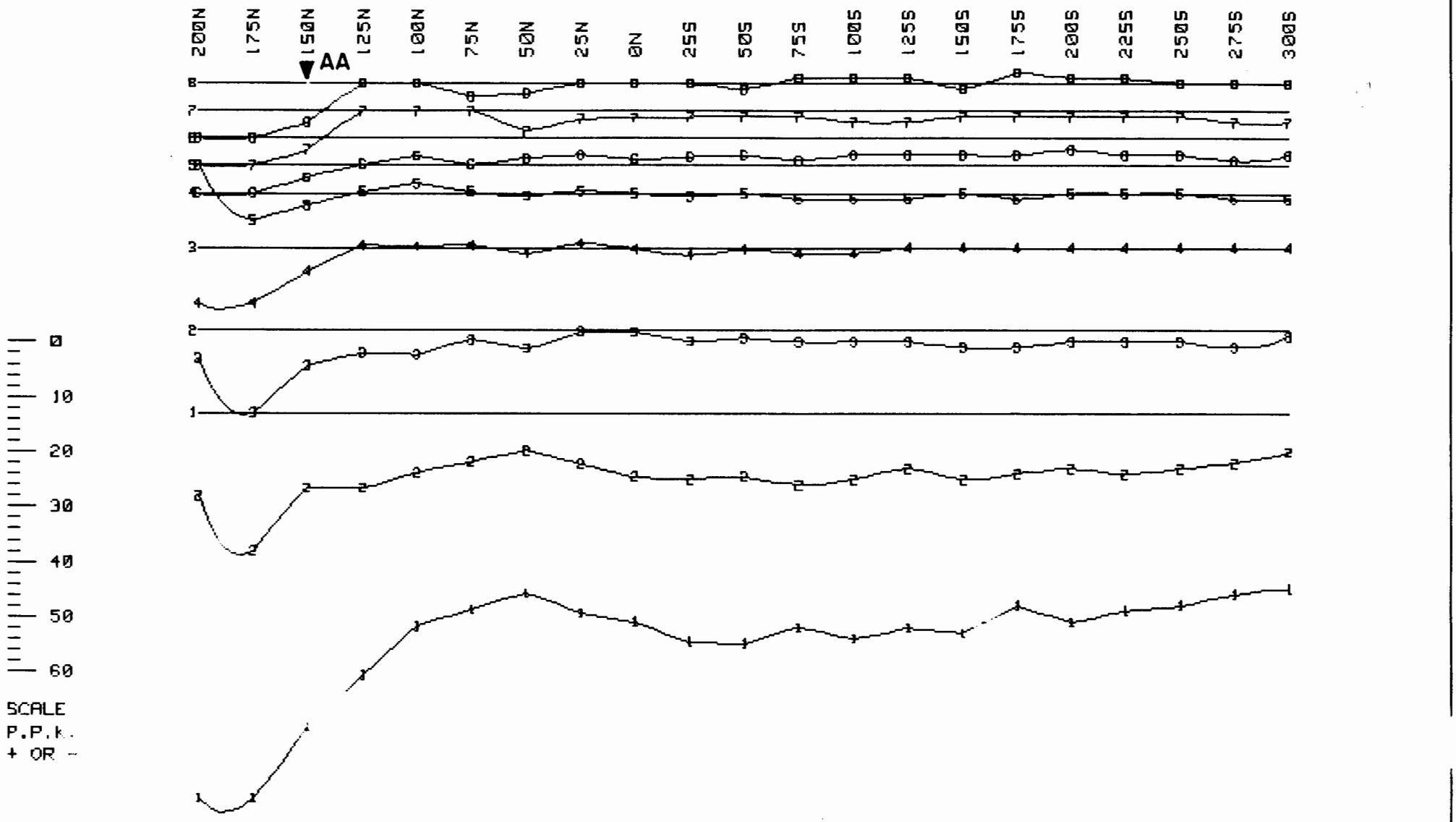
GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
DIPOLE-DIPOLE INDUCED POLARIZATION SURVEY
LINE 200 E

DATE: JUNE/85

FIG.: 4.3.22

VECTOR PULSE ELECTROMAGNETOMETER COMPONENT PROFILES

WHITE GEOPHYSICAL INC.



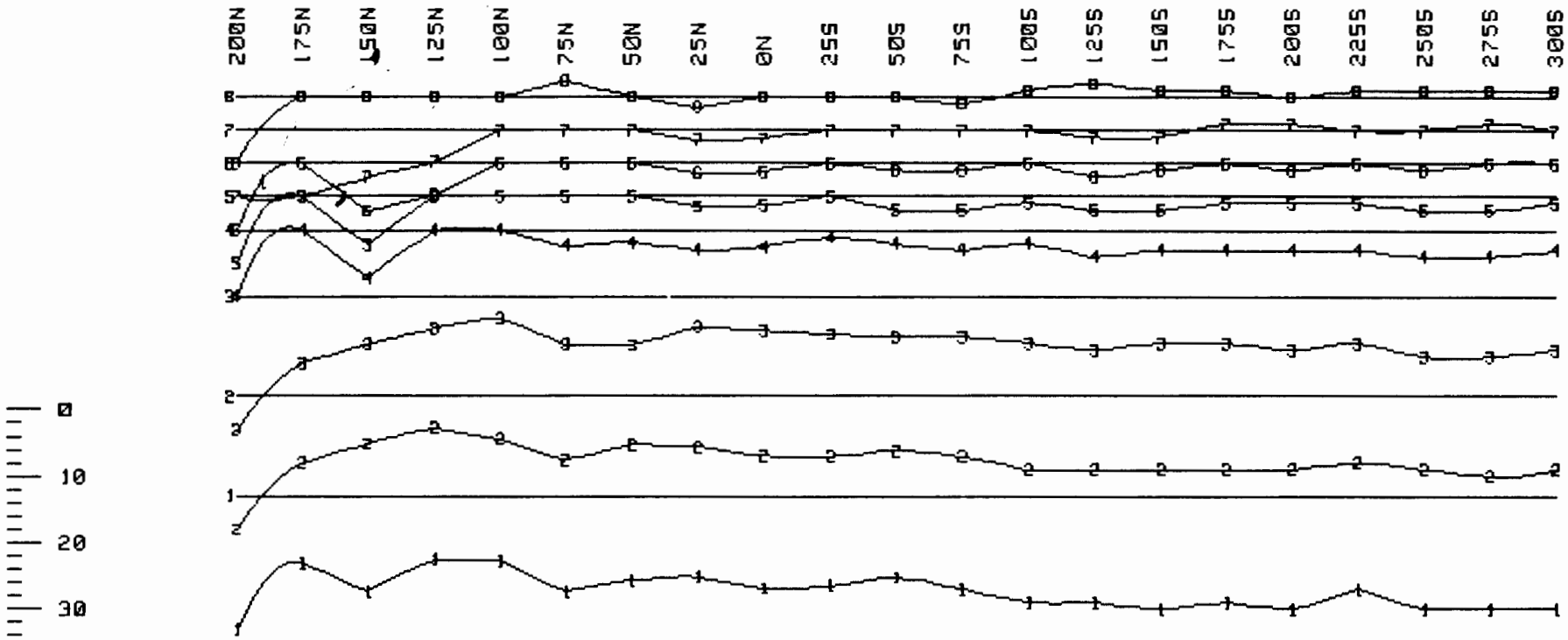
CONSTANT GAIN DATP (- 100%)
NUMBER IN LINE-CHP( ) NUMB( )
INSTRUMENT: CRONE P.E.M.

METRES
25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 150W LOOP 1

DATE: DEC/85 | FIG.: 4-4



SCALE
P.P.K.
+ OR -

CONSTANT GAIN DATA, G=(100%)
NUMBER IN LINE=CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

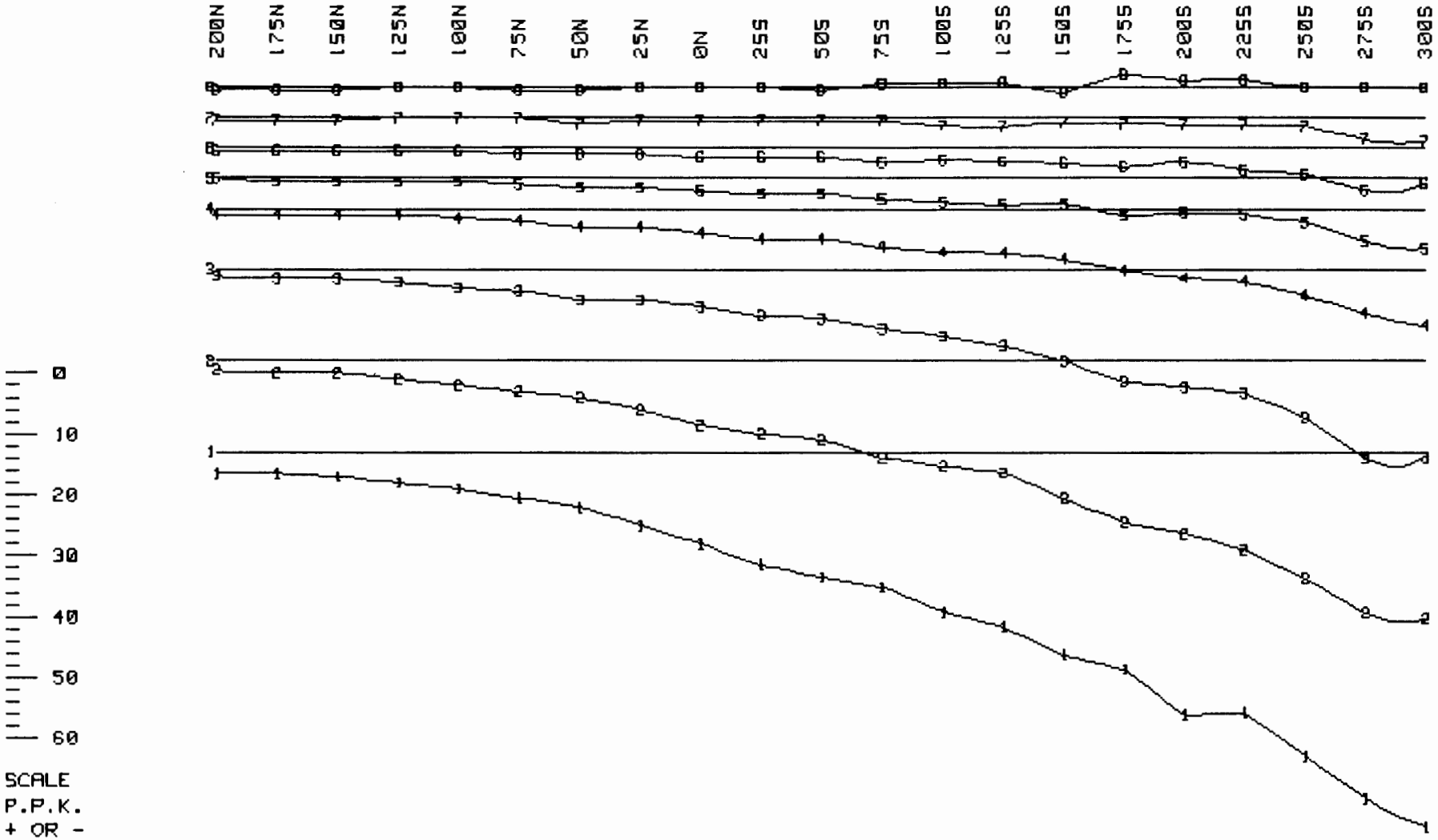
METRES

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 150W LOOP 1

WHITE GEOPHYSICAL INC.

DATE: DEC/85

FIG.: 4.4.2



PRIMARY FIELD NORMALIZED DATA
NUMBER IN LINE-CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

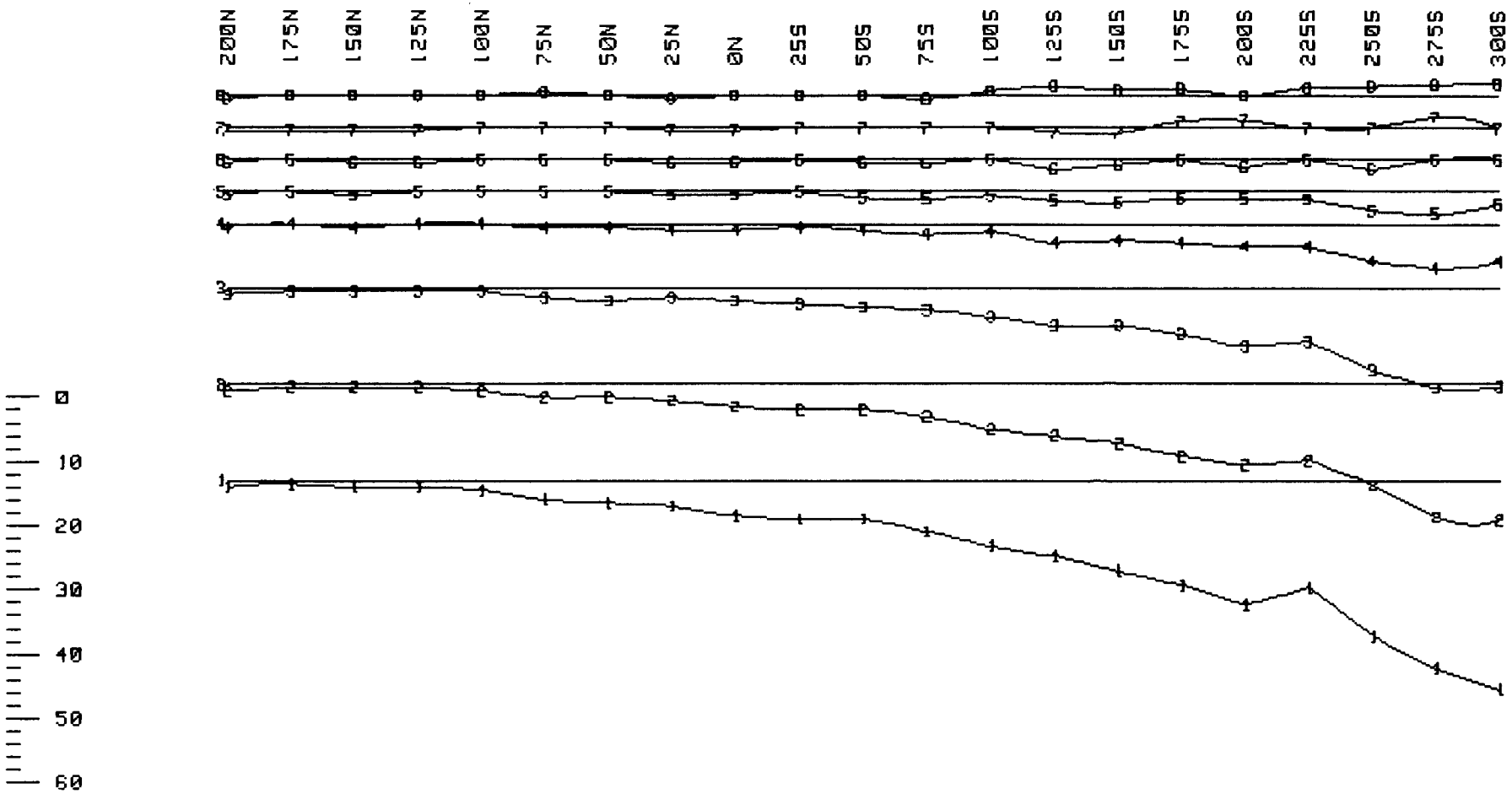
METRES
0 25 50 75 100

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 150W LOOP 1

WHITE GEOPHYSICAL INC.

DATE: DEC/85

FIG.: 4-3



PRIMARY FIELD NORMALIZED DATA
NUMBER IN LINE-CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

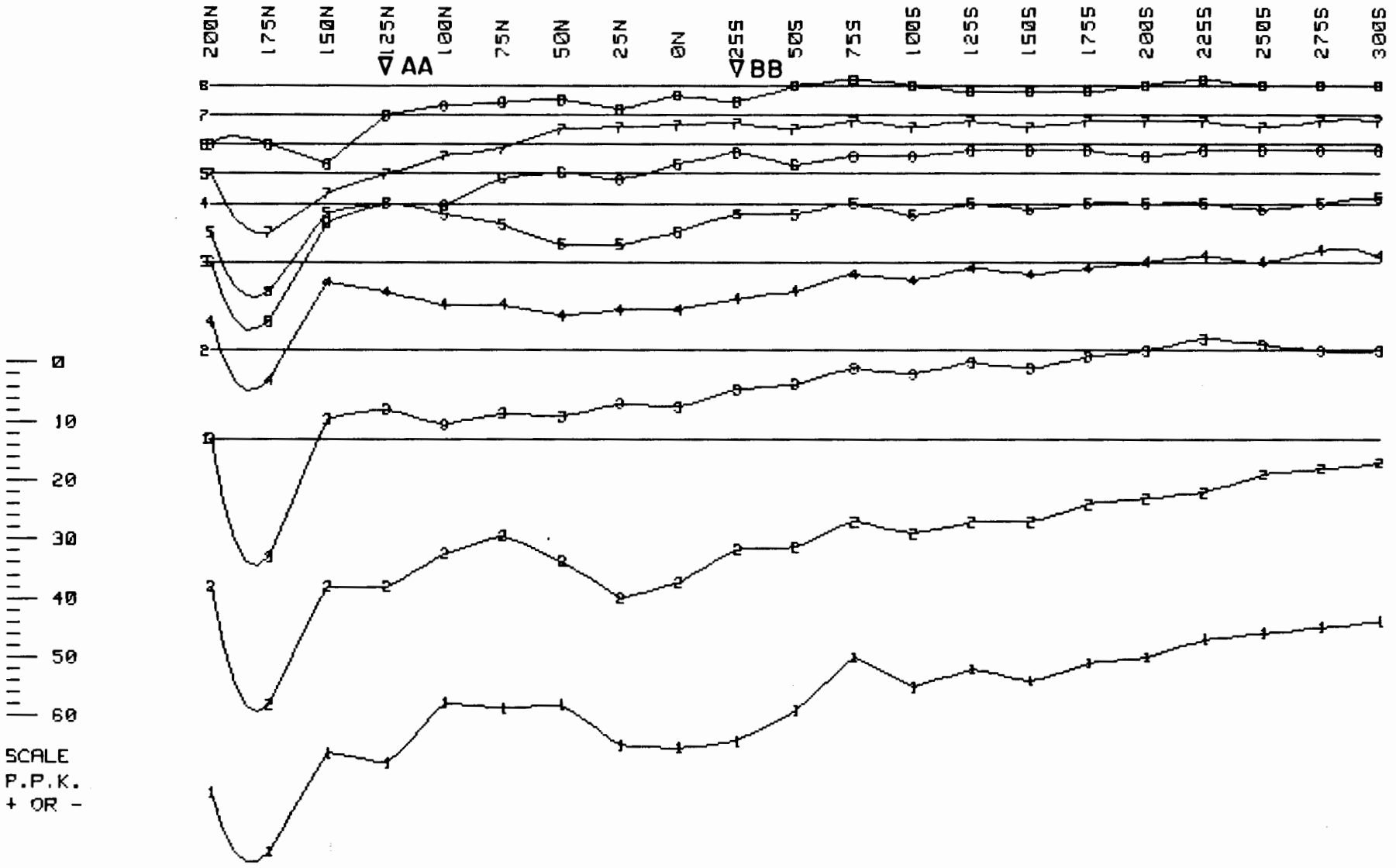
METRES
0 25 50 75 100

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 150W LOOP 1

WHITE GEOPHYSICAL INC.

DATE: DEC/85

FIG.: 44.4



CONSTANT GAIN DATA, G=(100%)
NUMBER IN LINE-CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

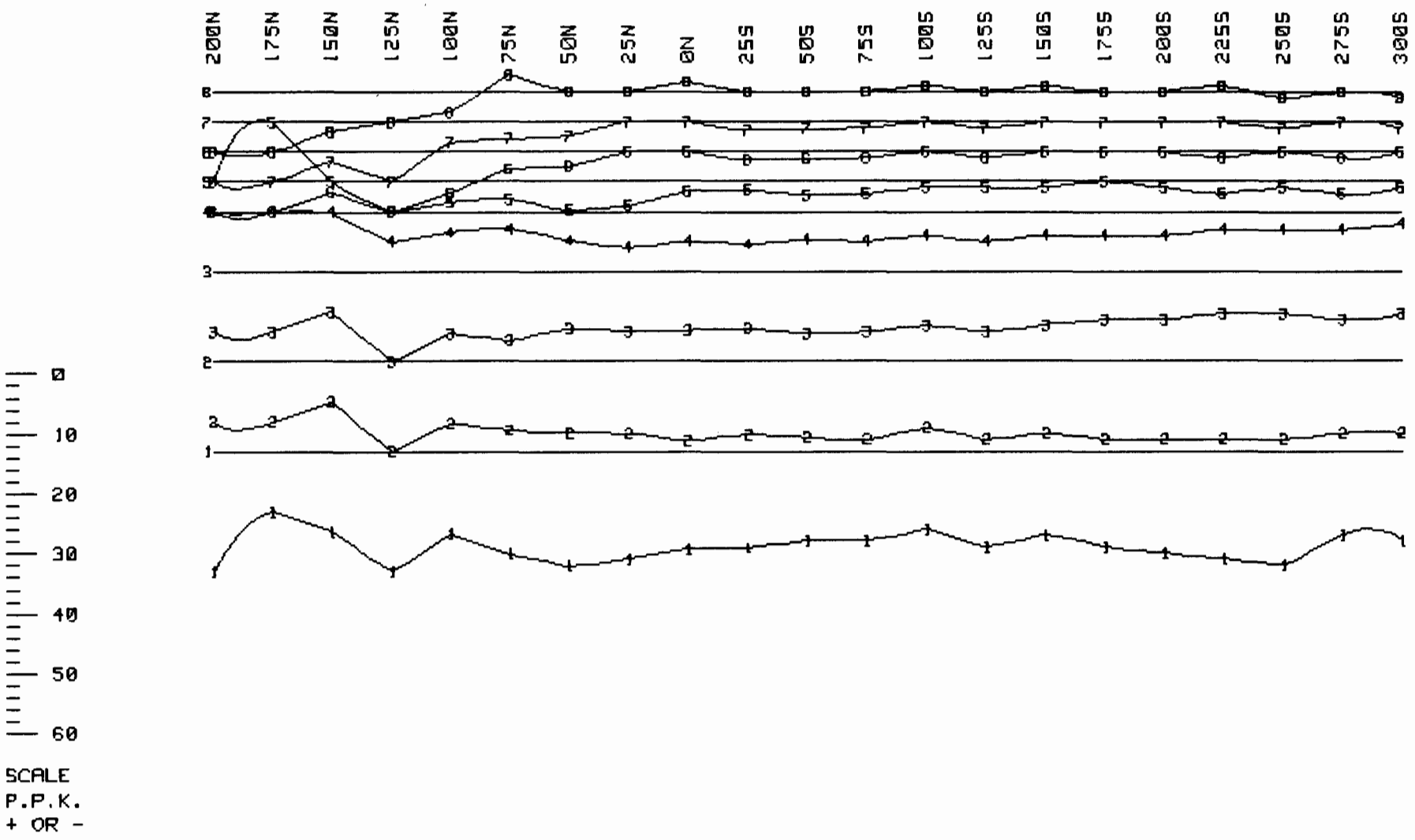
METRES
0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 100W LOOP 1

DATE: DEC/85

FIG.: 4.4.5



CONSTANT GAIN DATA, G=(100%)
NUMBER IN LINE-CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

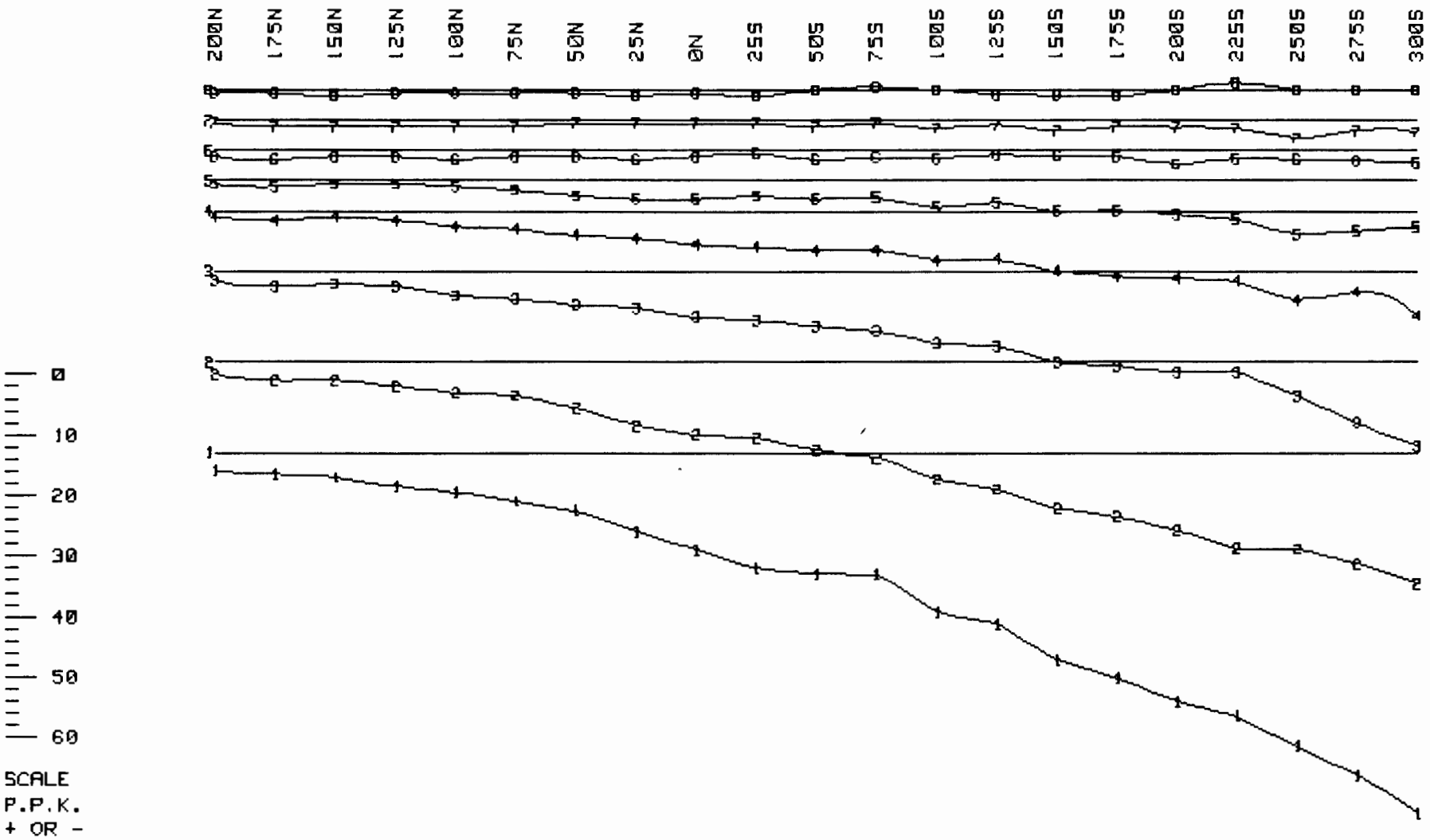
METRES
0 25 50 75 100

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 100W LOOP 1

WHITE GEOPHYSICAL INC.

DATE: DEC/85

FIG.: 4.4.6



PRIMARY FIELD NORMALIZED DATA
NUMBER IN LINE-CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

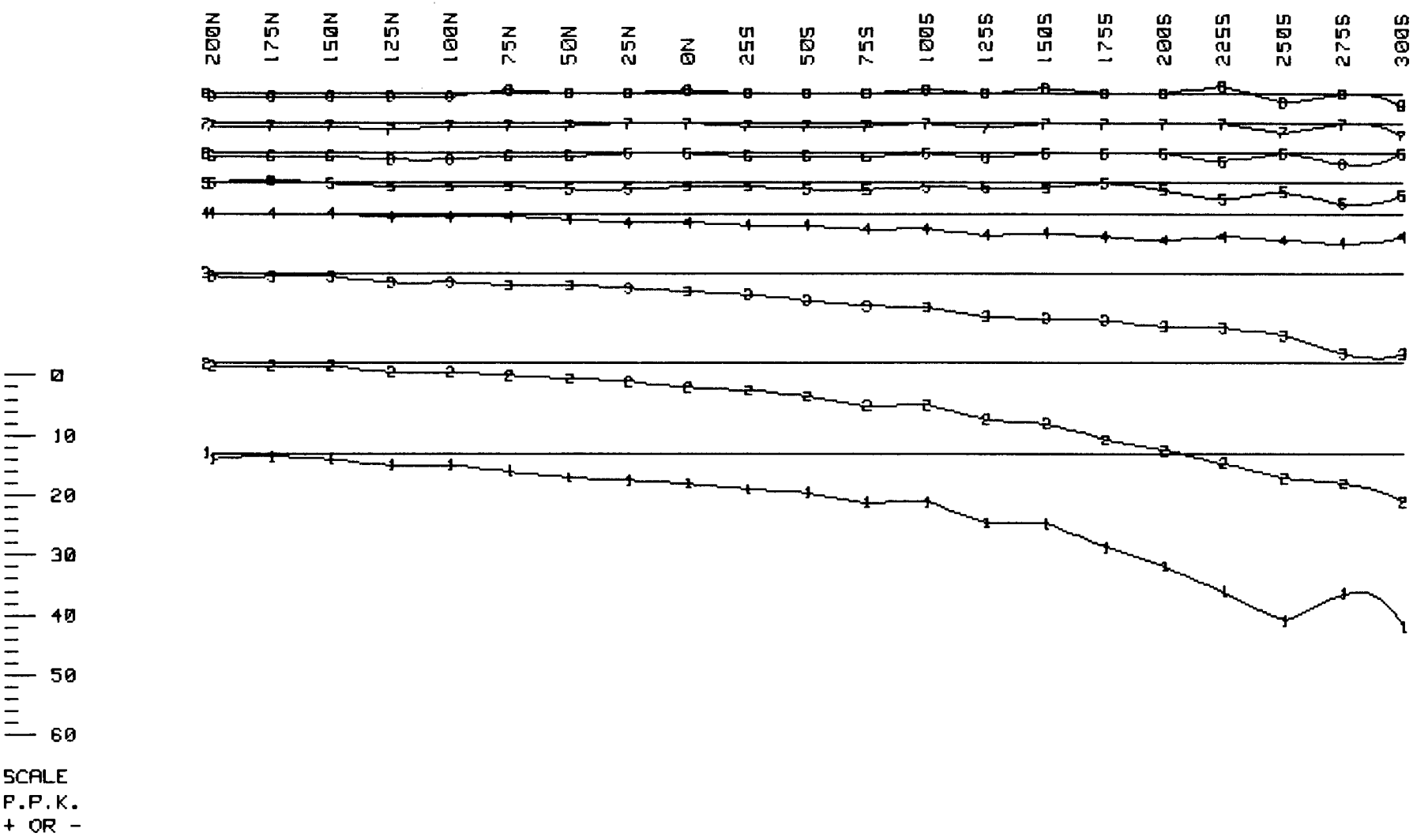
METRES
0 25 50 75 100

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 100W LOOP 1

WHITE GEOPHYSICAL INC.

DATE: DEC/85

FIG.: 4.4.7



PRIMARY FIELD NORMALIZED DATA
NUMBER IN LINE-CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

METRES

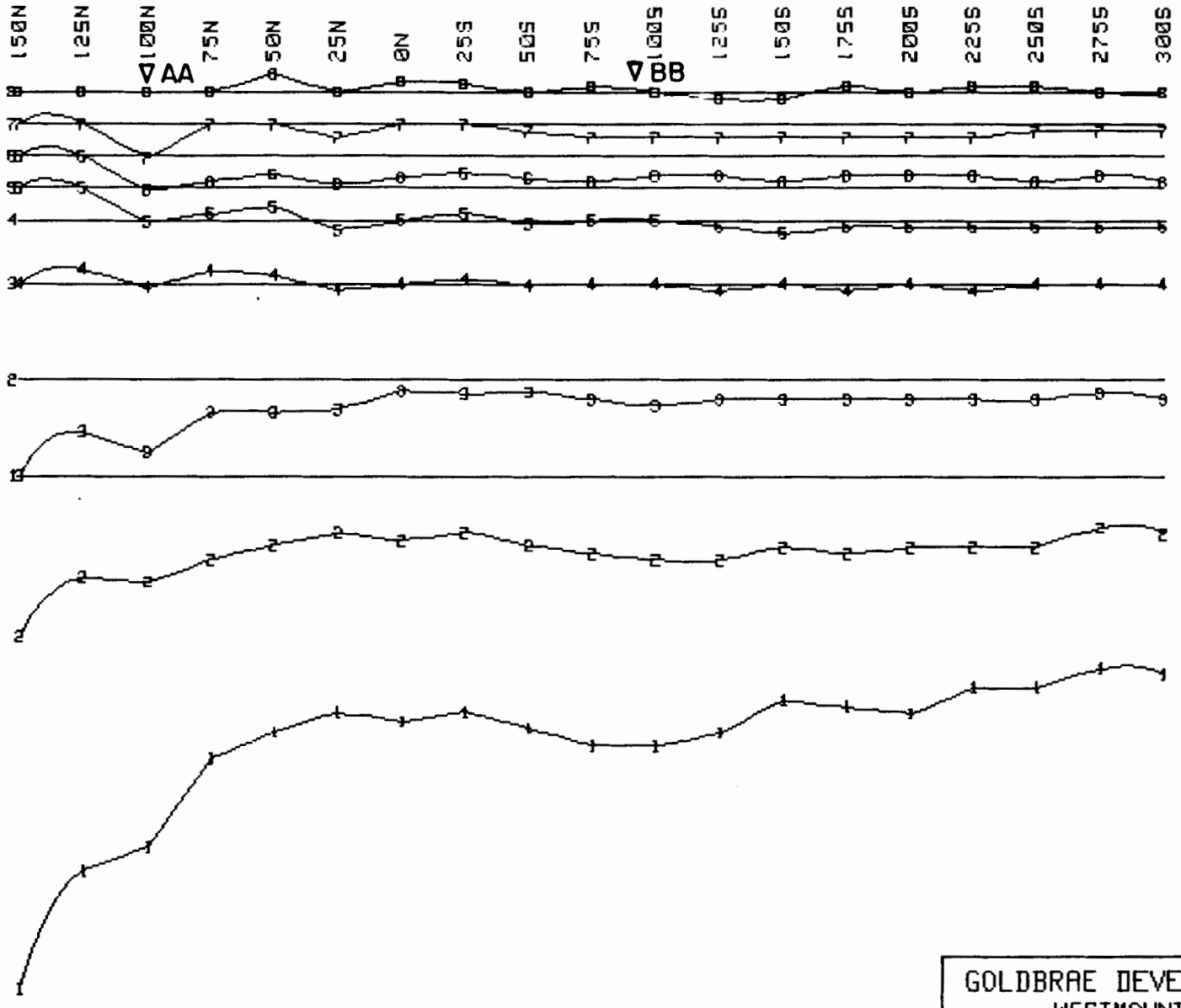
0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 100W LOOP 1

DATE: DEC/85

FIG.: 4.4.8



CONSTANT GAIN DATA, G=(100%)
NUMBER IN LINE-CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

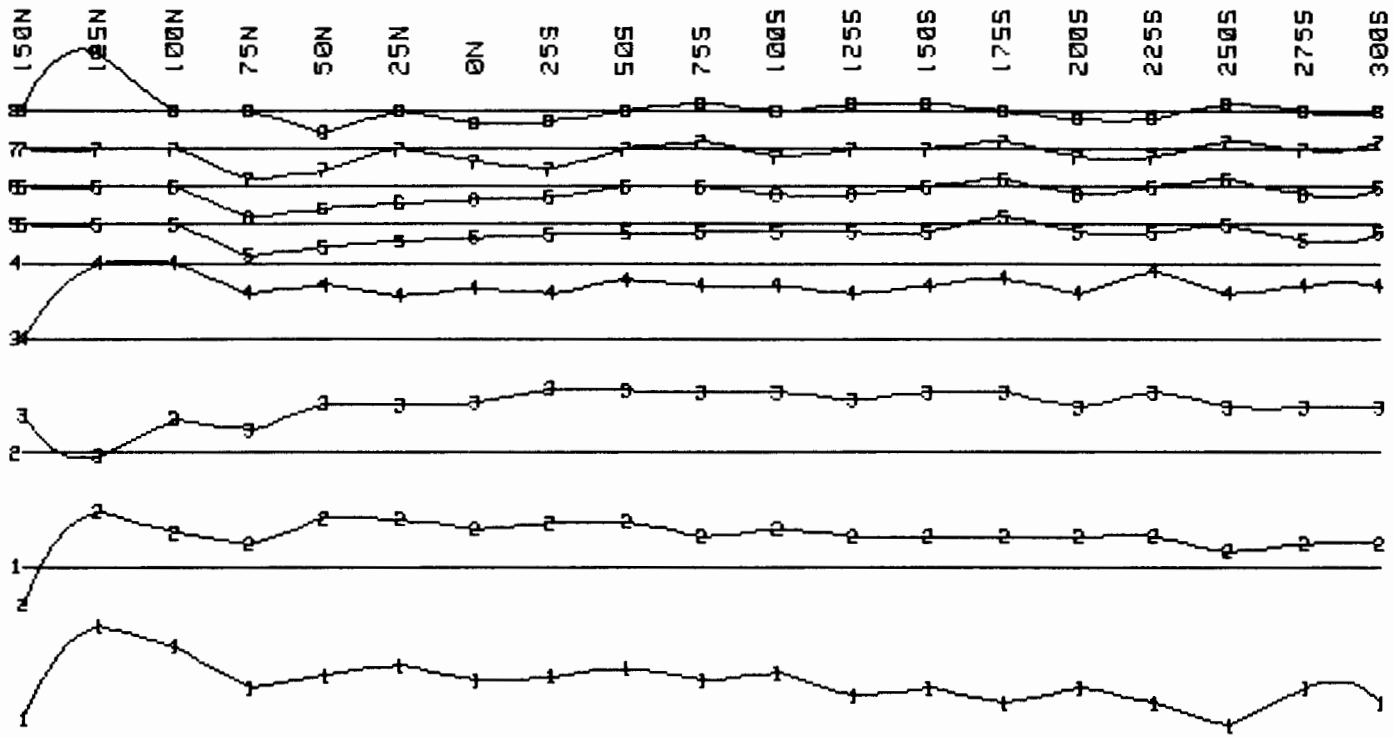
METRES
0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 50W LOOP 1

DATE: DEC/85

FIG.: 4.4.9



SCALE
P.P.K.
+ OR -

CONSTANT GAIN DATA, G=(100%)
NUMBER IN LINE-CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

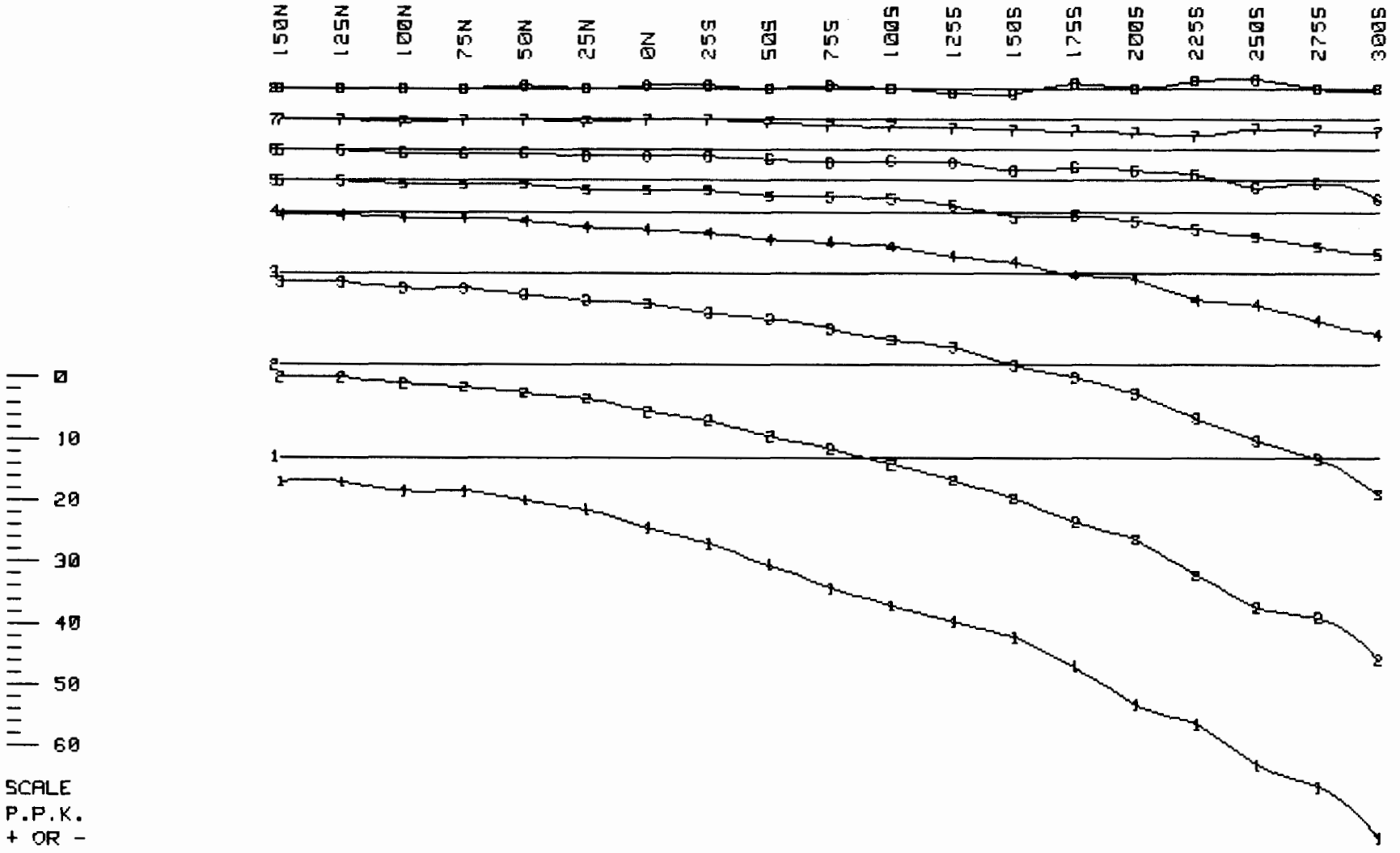
METRES
0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 50W LOOP 1

DATE: DEC/85

FIG.: 4.4.10



PRIMARY FIELD NORMALIZED DATA
NUMBER IN LINE-CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

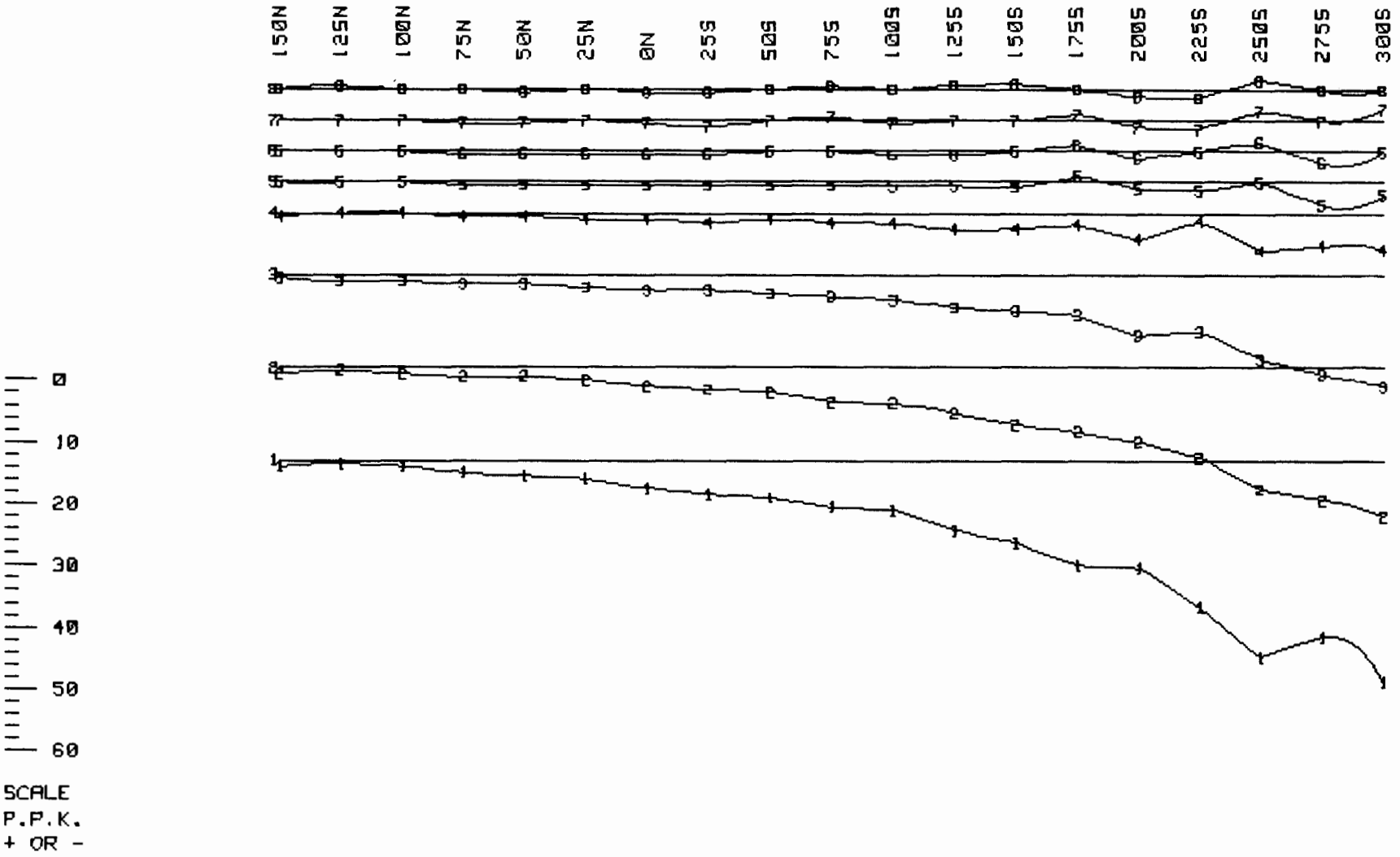
METRES
0 25 50 75 100

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 50W LOOP 1

WHITE GEOPHYSICAL INC.

DATE: DEC/85

FIG.: 4.4.11



PRIMARY FIELD NORMALIZED DATA
NUMBER IN LINE-CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

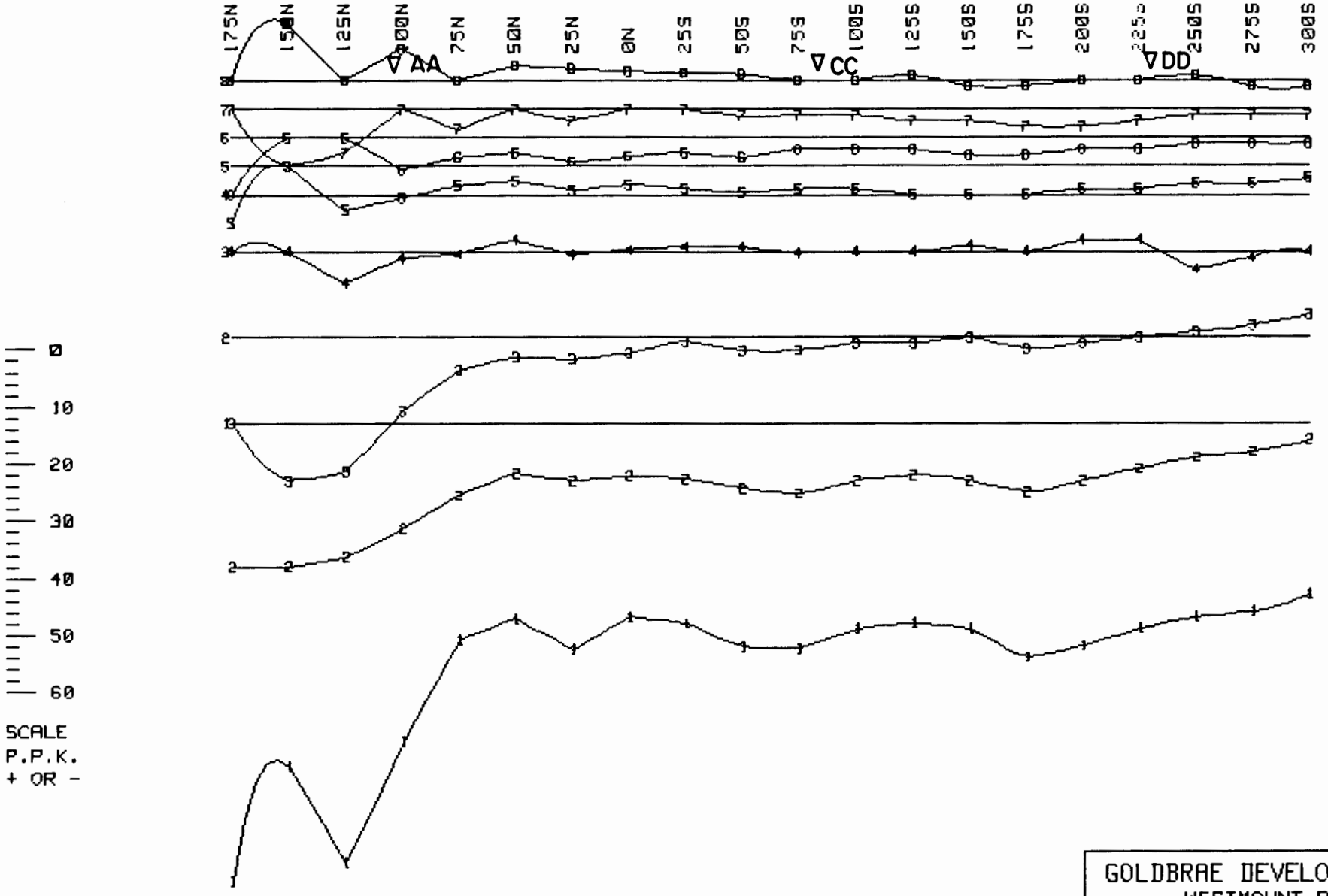
METRES
0 25 50 75 100

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 50W LOOP 1

WHITE GEOPHYSICAL INC.

DATE: DEC/85

FIG.: 4.4.12



CONSTANT GAIN DATA, G=(100%)
NUMBER IN LINE-CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

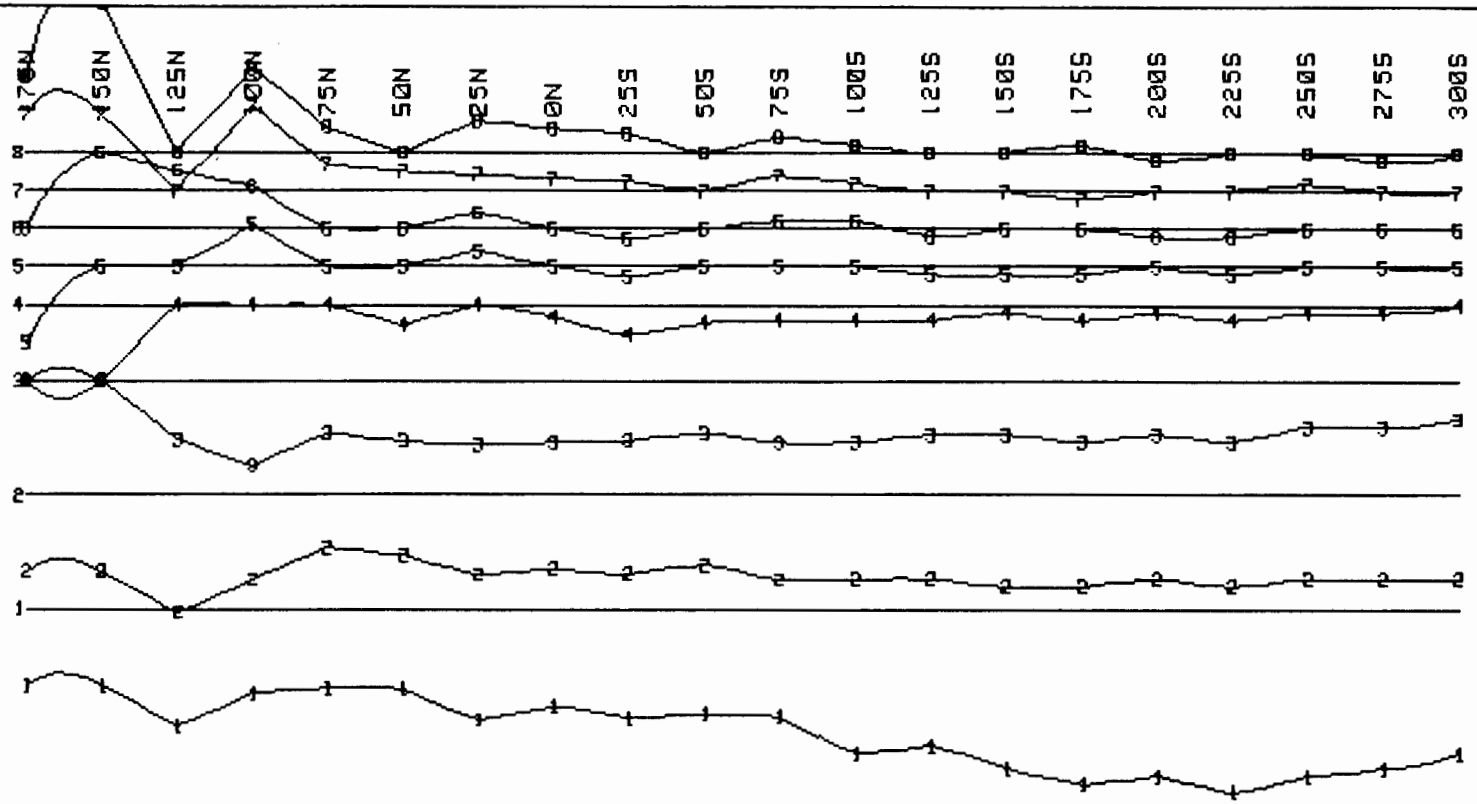
METRES
0 25 50 75 100

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 00W LOOP 1

WHITE GEOPHYSICAL INC.

DATE: DEC/85

FIG.: 4.4.13



0
10
20
30
40
50
60

SCALE
P.P.K.
+ OR -

CONSTANT GAIN DATA, G=(100%)
NUMBER IN LINE=CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

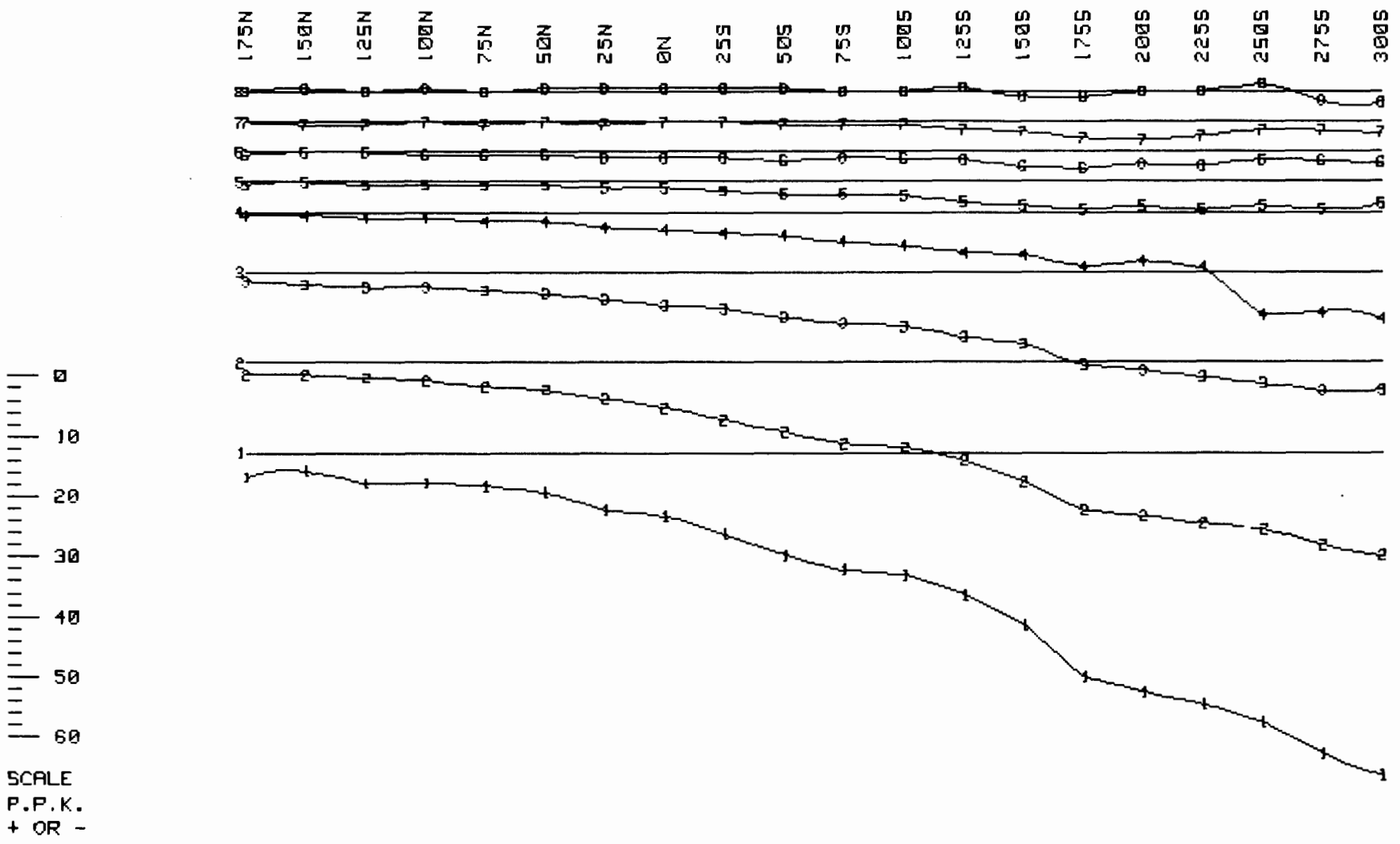
METRES
0 25 50 75 100

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 00W LOOP 1

WHITE GEOPHYSICAL INC.

DATE: DEC/85

FIG.: 4.4.14



PRIMARY FIELD NORMALIZED DATA
NUMBER IN LINE-CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

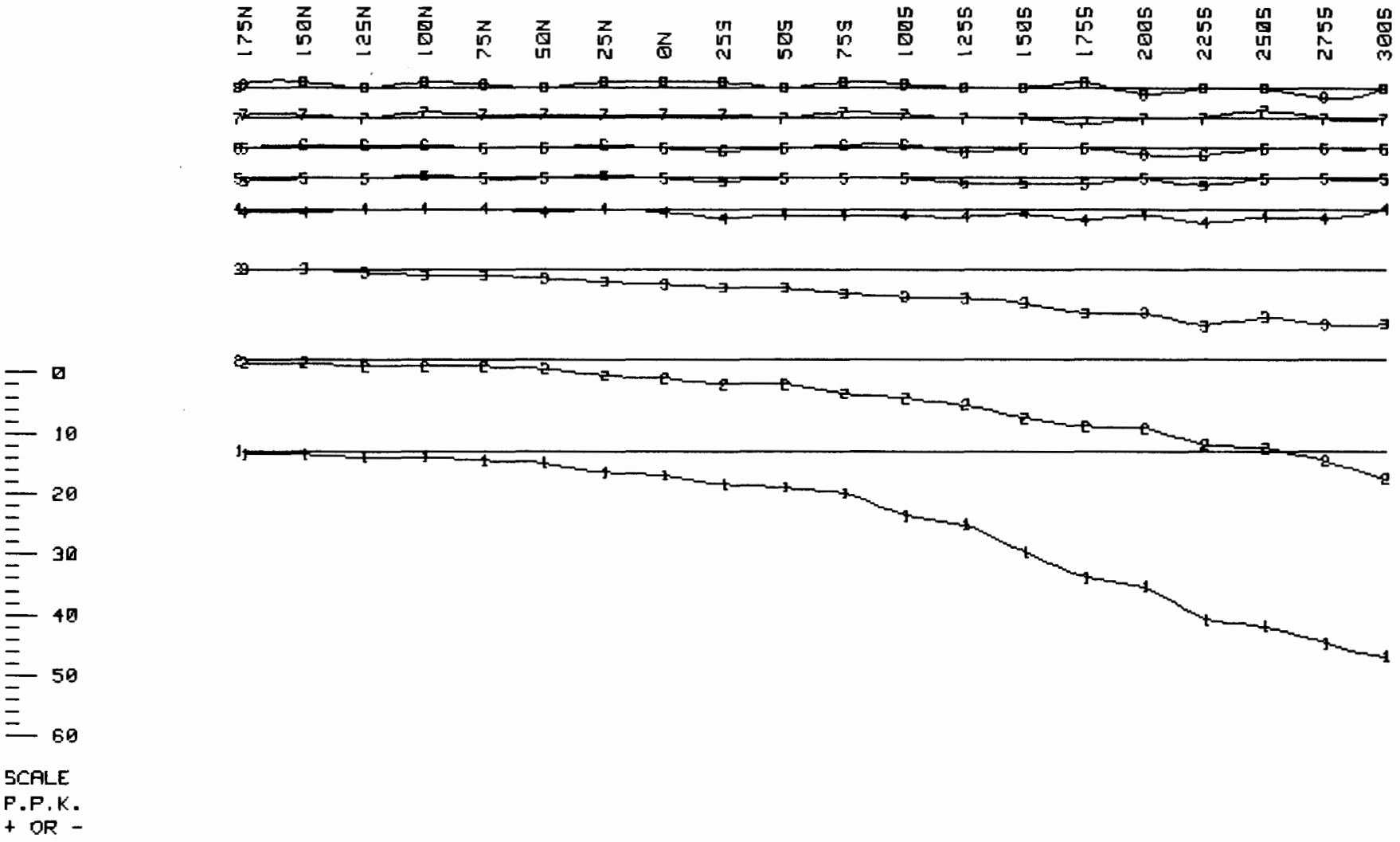
METRES
0 25 50 75 100

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 00W LOOP 1

DATE: DEC/85

FIG.: 4.4.15



PRIMARY FIELD NORMALIZED DATA
NUMBER IN LINE-CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

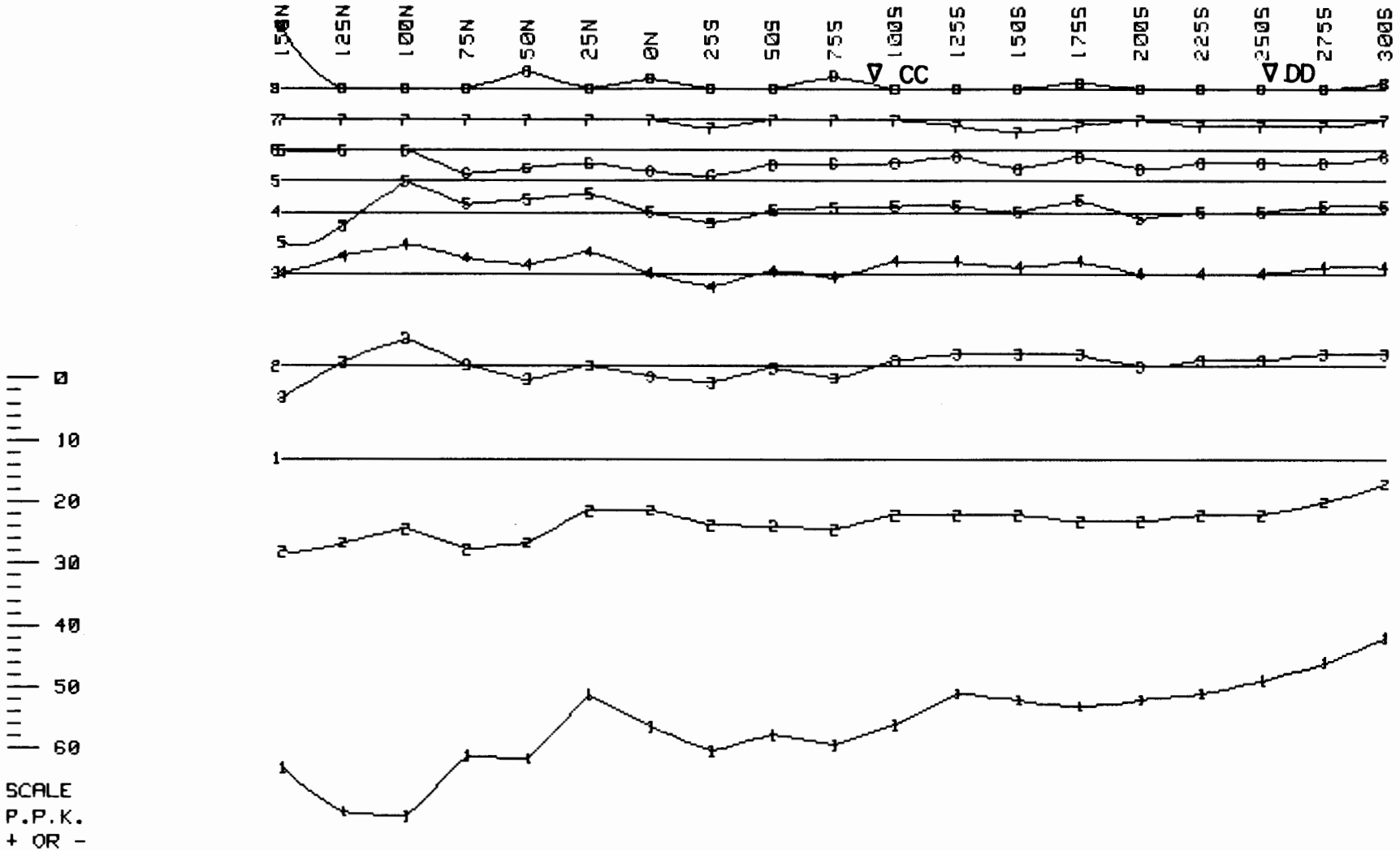
METRES
0 25 50 75 100

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 00W LOOP 1

WHITE GEOPHYSICAL INC.

DATE: DEC/85

FIG.: 4.4.16



CONSTANT GAIN DATA, G=(100%)
NUMBER IN LINE-CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

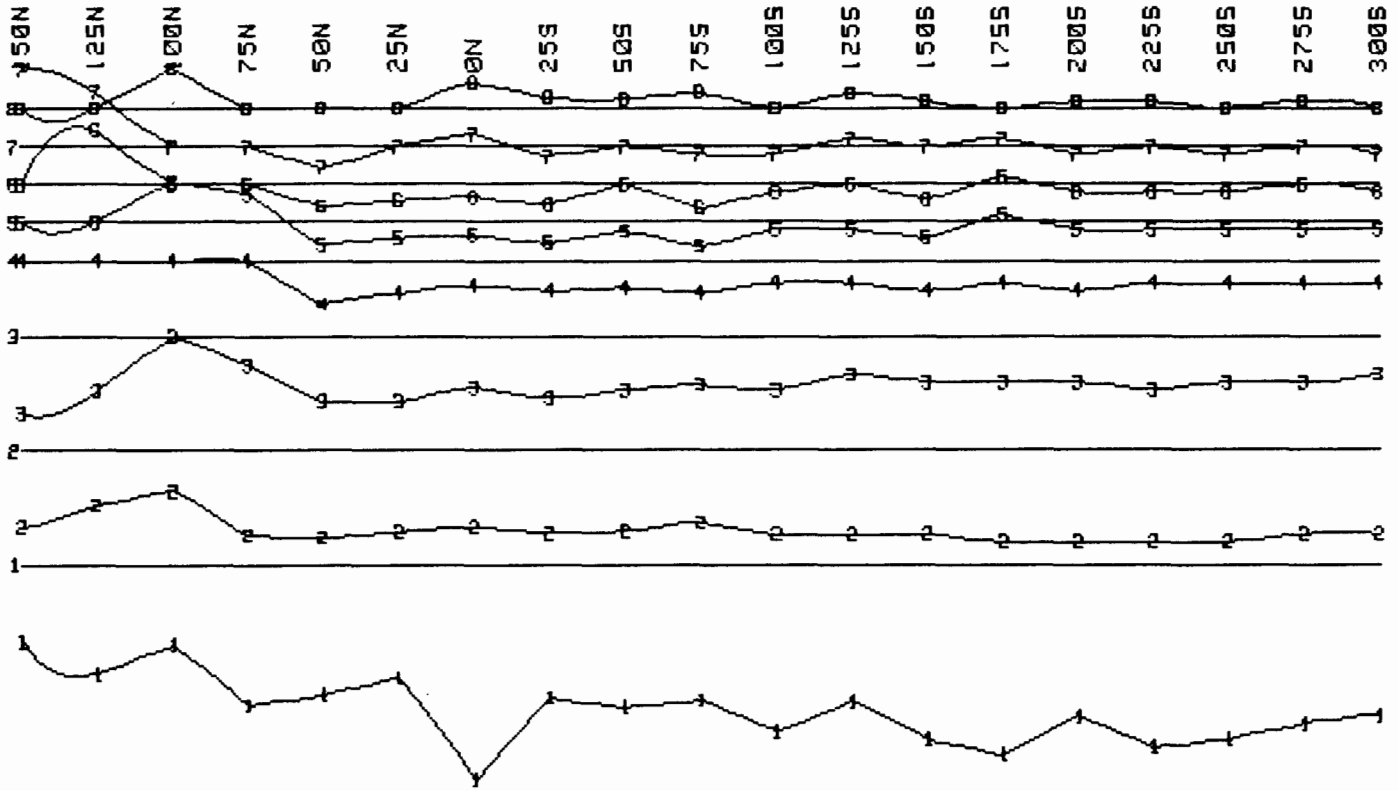
METRES
0 25 50 75 100

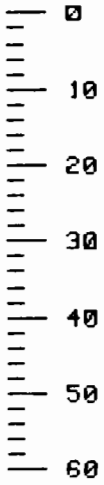
GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 50E LOOP 1

WHITE GEOPHYSICAL INC.

DATE: DEC/85

FIG.: 4.4.17

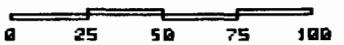




SCALE
P.P.K.
+ OR -

CONSTANT GAIN DATA, G=(100%)
NUMBER IN LINE-CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

METRES

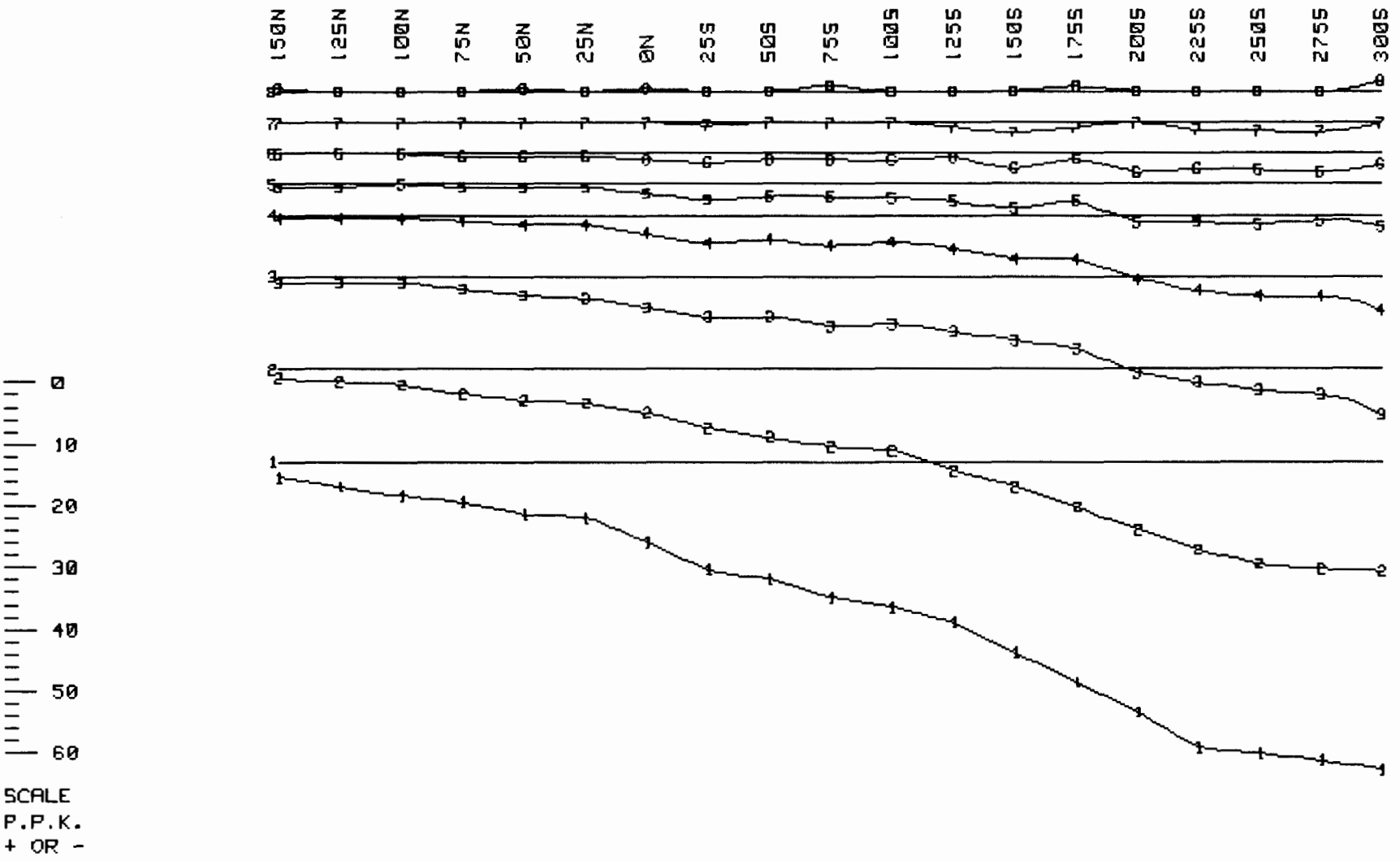


GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 50E LOOP 1

WHITE GEOPHYSICAL INC.

DATE: DEC/85

FIG.: 4.4.18



PRIMARY FIELD NORMALIZED DATA
NUMBER IN LINE-CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

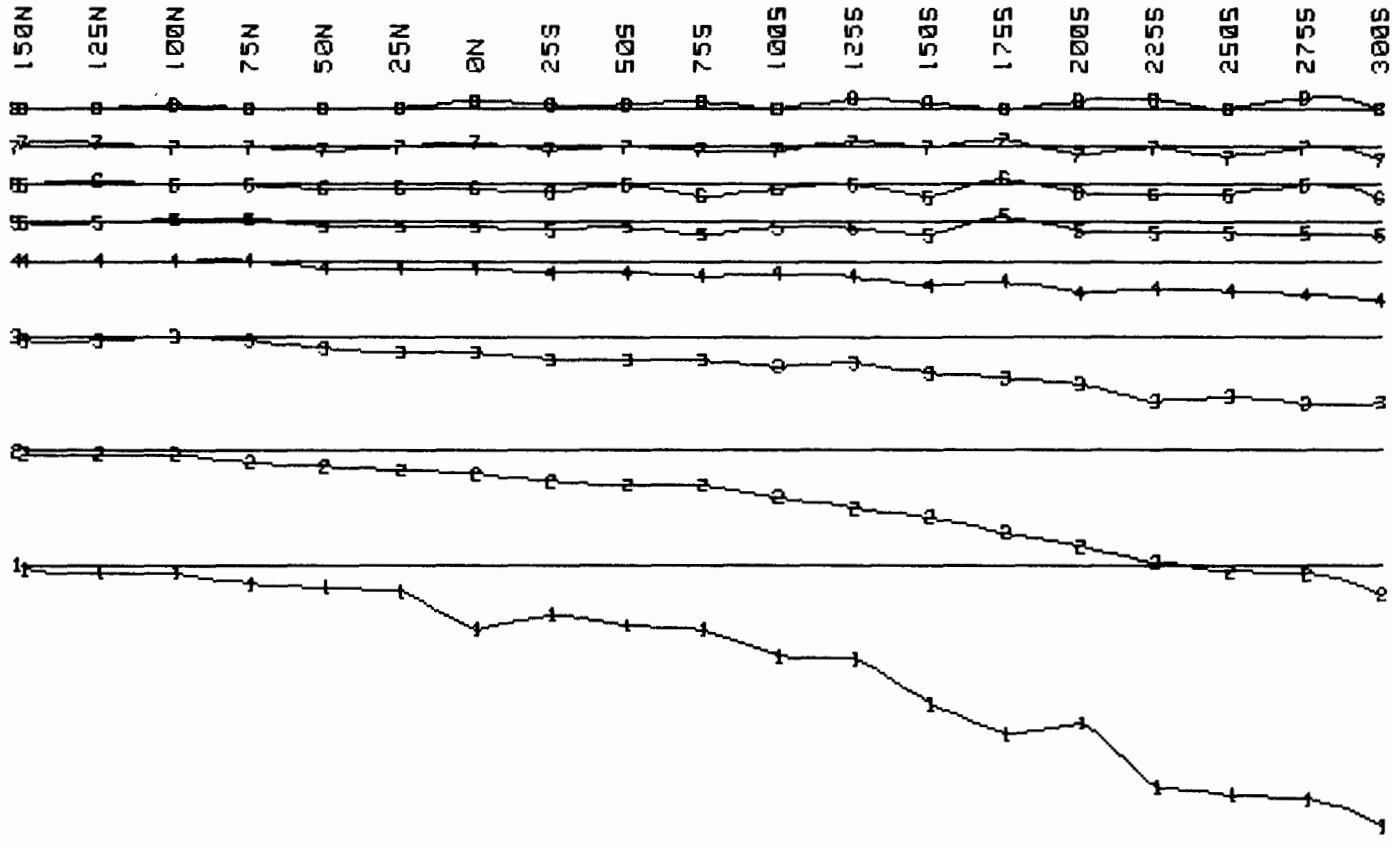
METRES
0 25 50 75 100

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 50E LOOP 1

WHITE GEOPHYSICAL INC.

DATE: DEC/85

FIG.: 4.4.20



0
10
20
30
40
50
60

SCALE
P.P.K.
+ OR -

PRIMARY FIELD NORMALIZED DATA
NUMBER IN LINE-CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

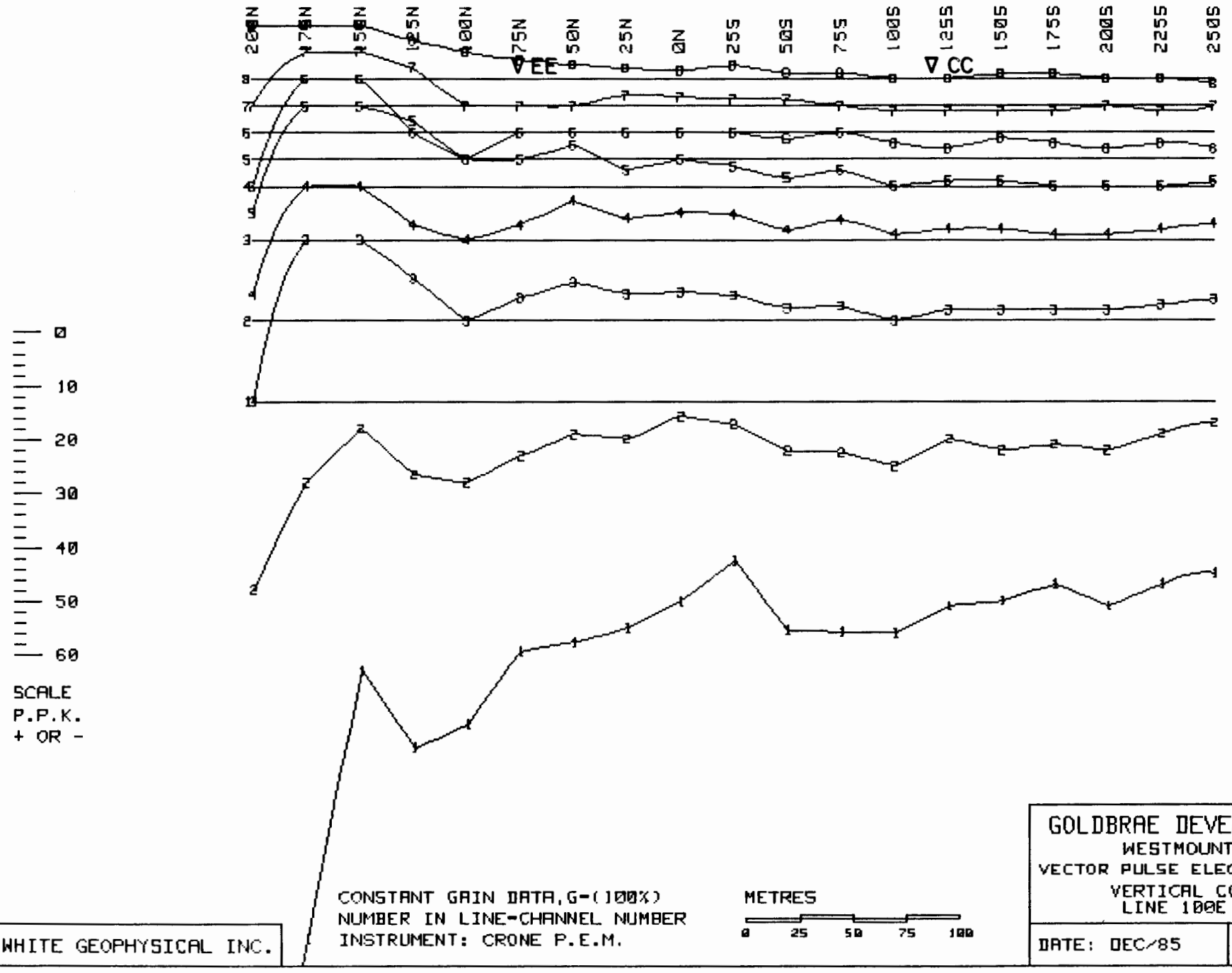
METRES
0 25 50 75 100

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 50E LOOP 1

WHITE GEOPHYSICAL INC.

DATE: DEC/85

FIG.: 4.4.21



CONSTANT GAIN DATA, G=(100%)
NUMBER IN LINE=CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

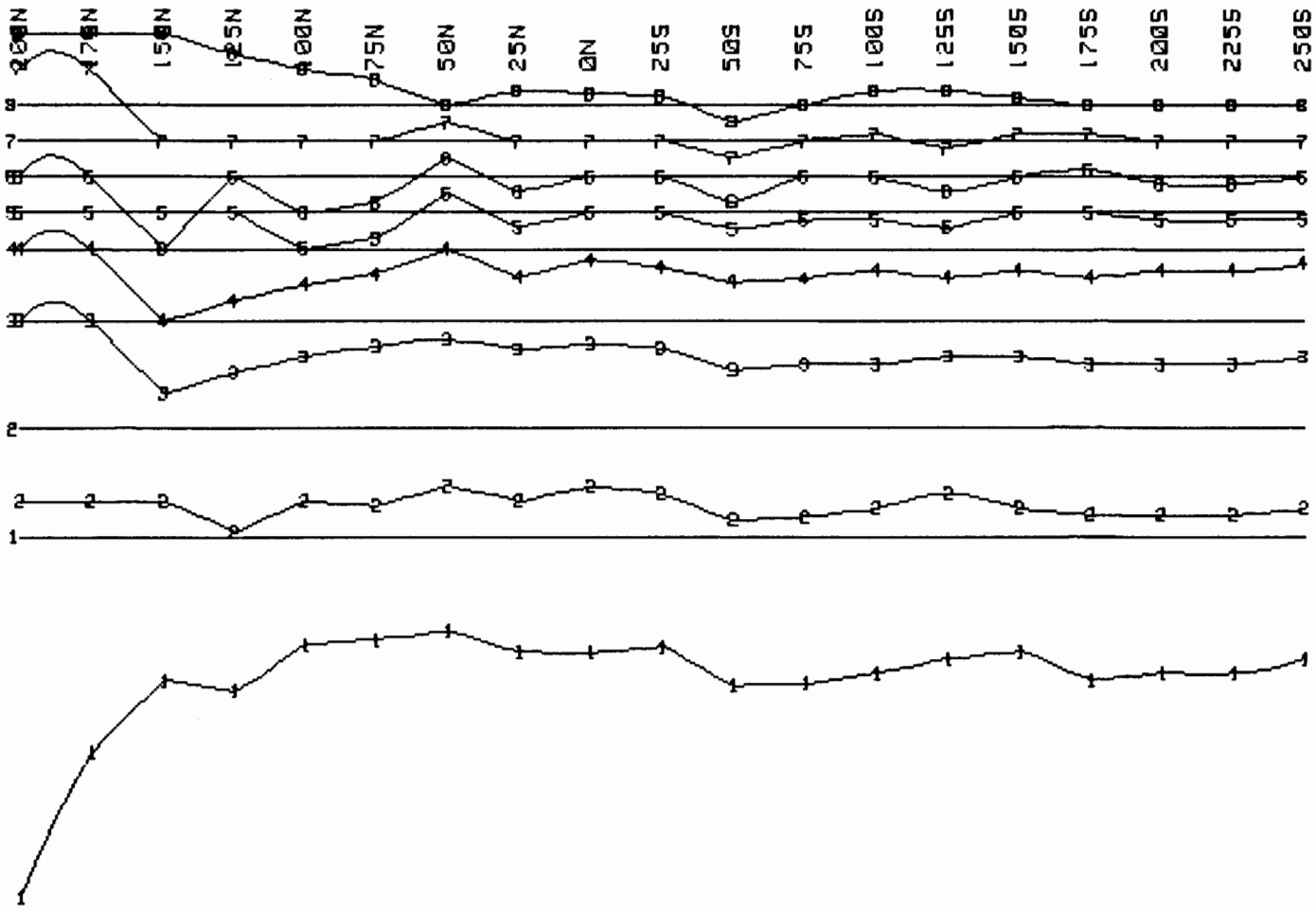
METRES
0 25 50 75 100

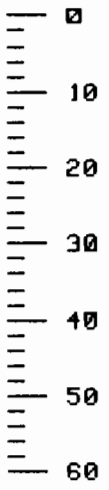
GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 100E LOOP 1

WHITE GEOPHYSICAL INC.

DATE: DEC/85

FIG.: 4.4.22

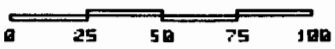




SCALE
P.P.K.
+ OR -

CONSTANT GAIN DATA, G=(100%)
NUMBER IN LINE=CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

METRES

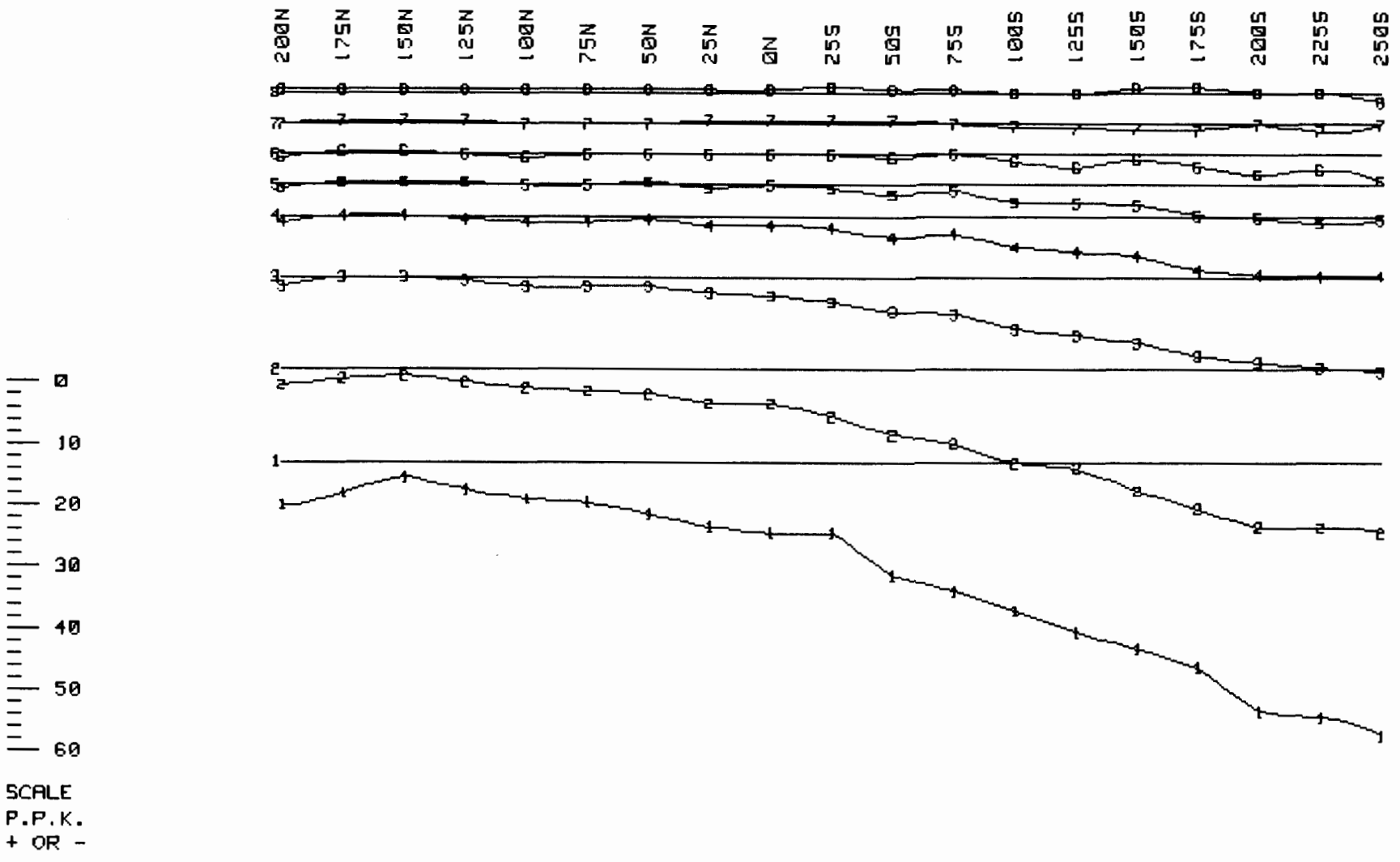


GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 100E LOOP 1

WHITE GEOPHYSICAL INC.

DATE: DEC/85

FIG.: 4.4.23



PRIMARY FIELD NORMALIZED DATA
NUMBER IN LINE-CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

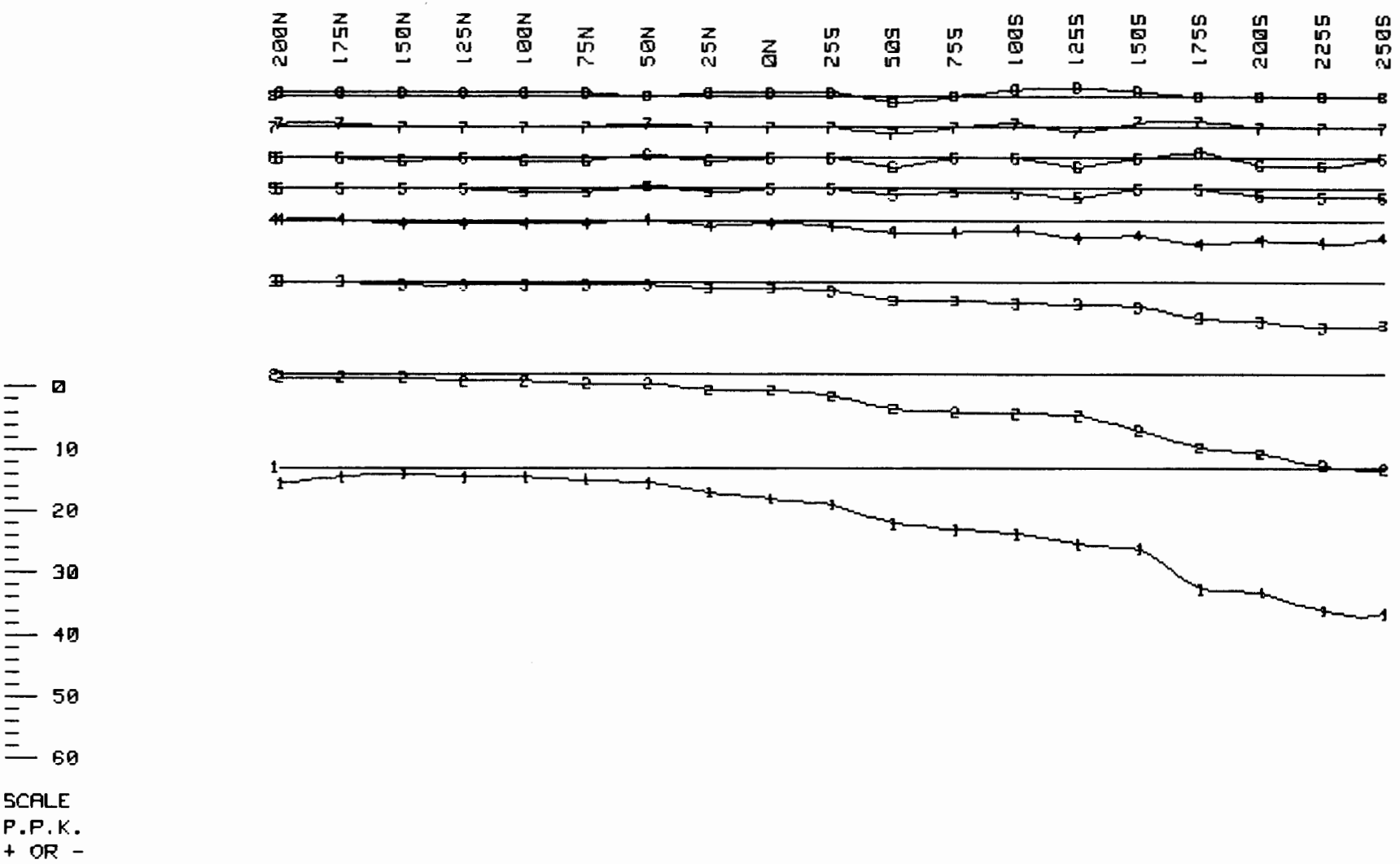
METRES
0 25 50 75 100

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
VERTICAL COMPONENT
LINE 100E LOOP 1

WHITE GEOPHYSICAL INC.

DATE: DEC/85

FIG.: 4.4.24



PRIMARY FIELD NORMALIZED DATA
NUMBER IN LINE-CHANNEL NUMBER
INSTRUMENT: CRONE P.E.M.

METRES
0 25 50 75 100

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
VECTOR PULSE ELECTROMAGNETOMETER
HORIZONTAL COMPONENT
LINE 100E LOOP 1

WHITE GEOPHYSICAL INC.

DATE: DEC/85

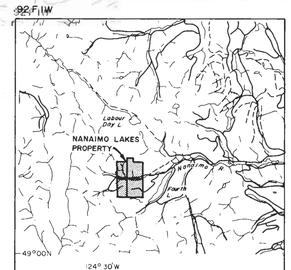
FIG.: 4.4.25

GEOLOGICAL LEGEND:

TERTIARY	CATFACE INTRUSIONS	A	FELDSPAR PORPHYRY DACITE DYKES AND SILLS WHITE CREAM FELDSPAR CRYSTALS TO 4mm. MAX 30% IN GRAY GREEN MATRIX
LATE CRETACEOUS	NANAIMO GROUP	N	SEDIMENTS – FLUVIAL TO MARINE
EARLY TO MIDDLE JURASSIC	ISLAND INTRUSIONS	B	QUARTZ DIORITE TO GRANODIORITE – MEDIUM GRAINED, EQUIGRANULAR, MINOR APLITE
		Bi	INTRUSIVE CONTACT ZONE, AMPHIBOLITE TO DIORITE
	SKARN	SkG	GARNET-EPIDOTE-CALCITE ± ACTINOLITE ± DIOPSIDE SKARN – MEDIUM TO COURSE GRAINED MAINLY ANDRADITE GARNET.
		SkGm	SAME AS SkG WITH MAGNETITE
		SkE	EPIDOTE GARNET CALCITE ± ACTINOLITE ± DIOPSIDE SKARN – FINE TO COURSE GRAINED
		SkEm	SAME AS SkE WITH MAGNETITE
	HORNFELS	H	BIOTITE – QUARTZ ± CHLORITE HORNFELS – FINE TO MEDIUM GRAINED MEDIUM TO DARK GRAY. SOME QUARTZ BANDING.
PALEOZOIC	SICKER GROUP, BUTTLE LAKE FORMATION	SaB	LIMESTONE, MARBLEIZED – WHITE TO GRAY MEDIUM TO COURSE CRYSTALLINE CALCITE – TREMOLITE. MASSIVE
	SEDIMENT SILL UNIT	7	SILICIFIED SEDIMENTS – QUARTZITE ARGILLITE AND CHERT
		6	CHERT, CHERTY TUFFS, – THIN BEDDED WHITE, LIGHT TO MEDIUM GRAY, GREEN AND PINKISH GRAY APHANITIC TO FINE GRAINED CHERTY ROCKS SOME INTERBEDDED GABBRO, DIABASE, – SOME MASSIVE GRAY CHERT.
		6a	ARGILLITE AND SILTSTONE
	MYRA FORMATION?	5	DACITE – RHYOLITE – FINE GRAINED LIGHT GRAY TO GRAY GREEN ACIDIC FLOWS, TUFFS, OR BRECCIA
		4	ANDESITE – DACITE – FINE GRAINED LIGHT GRAY TO MEDIUM GRAY-GREEN INTERMEDIATE FLOWS, TUFFS OR BRECCIA
		3	BASALT – ANDESITE – FINE GRAINED MEDIUM TO DARK GRAY-GREEN BASIC FLOWS, TUFFS OR BRECCIA
		2	BASALT – DIABASE – GABBRO – FINE TO COURSE GRAINED, MEDIUM GRAY GREEN TO GREENISH BLACK FLOWS OR INTRUSIVES
		1	VOLCANIC AGGLOMERATE – BASIC FINE GRAINED GRAY-GREEN MATRIX WITH FRAGMENTS TO 30cm OF SAME, MINOR AMOUNTS OF MORE ACIDIC VOLCANICS AND CHERTS. PROMINENT WEATHERING UNIT.

t	TUFF		BEDDING
bx	BRECCIA TO LAPILLI TUFF		JOINTING
bdd	BEDDED		SHEARING
ff	FELDSPAR PORPHYRITIC	wwww	FAULT
e	EPIDOTIZED		OUTCROP
py	PYRITE		GEOLOGICAL CONTACT
cpy	CHALCOPYRITE		
po	PYRRHOTITE		
qv	QUARTZ VEINING		

92F/W



PROPERTY LOCATION MAP
1:250,000

METRES
0 25 50 75 100 125 150 175 200

GEOLOGICAL BRANCH
ASSESSMENT REPORT
14,729

WHITE GEOPHYSICAL INC.

To accompany Geological Report on the WESTMOUNT PROJECT

GOLDBROOK DEVELOPMENTS LTD.
WESTMOUNT PROJECT
GEOLOGY

J.C. FREEZE · FELLOW · GEOLOGICAL ASSOCIATION OF CANADA

GLEN E. WHITE

DATE: SEPT/85 | FIG.: 2.2.1

GEOLOGICAL LEGEND:

TERTIARY	CATFACE INTRUSIONS	A	FELDSPAR PORPHYRY DACITE DYKES AND SILLS WHITE CREAM FELDSPAR CRYSTALS TO 4mm MAX. 30% IN GRAY GREEN MATRIX
LATE CRETACEOUS	NANAIMO GROUP	N	SEDIMENTS - FLUVIAL TO MARINE
EARLY TO MIDDLE JURASSIC	ISLAND INTRUSIONS	(Bd) Bq	QUARTZ DIORITE TO GRANODIORITE - MEDIUM GRAINED, EQUIGRANULAR, MINOR APLITE
		B_i	INTRUSIVE CONTACT ZONE, AMPHIBOLITE TO DIORITE
	SKARN	SkG	GARNET-EPIDOTE-CALCITE ± ACTINOLITE ± DIOPSIDE SKARN - MEDIUM TO COURSE GRAINED; MAINLY ANDRADITE GARNET.
		SkGm	SAME AS SkG WITH MAGNETITE
		SkE	EPIDOTE GARNET CALCITE ± ACTINOLITE ± DIOPSIDE SKARN - FINE TO COURSE GRAINED
		SkEm	SAME AS SkE WITH MAGNETITE
	HORNFELS	H	BIOTITE-QUARTZ ± CHLORITE HORNFELS - FINE TO MEDIUM GRAINED MEDIUM TO DARK GRAY. SOME QUARTZ BANDING
PALEOZOIC	SICKER GROUP / BUTTLE LAKE FORMATION	8	LIMESTONE, MARBLEIZED - WHITE TO GRAY MEDIUM TO COURSE CRYSTALLINE CALCITE - TREMOLITE MASSIVE.
	SEDIMENT SILL UNIT	7	SILICIFIED SEDIMENTS - QUARTZITE ARGILLITE AND CHERT
		6	CHERT, CHERTY TUFFS, - THIN BEDDED WHITE, LIGHT TO MEDIUM GRAY, GREEN AND PINKISH GRAY APHANITIC TO FINE GRAINED CHERTY ROCKS SOME INTERBEDDED GABBRO, DIABASE, SOME MASSIVE GRAY CHERT
		6a	ARGILLITE AND SILTSTONE
	MYRA FORMATION ?	5	DACITE - RHYOLITE - FINE GRAINED LIGHT GRAY TO GRAY GREEN ACIDIC FLOWS, TUFFS OR BRECCIA
		4	ANDESITE - DACITE - FINE GRAINED LIGHT GRAY TO MEDIUM GRAY - GREEN INTERMEDIATE FLOWS, TUFF OR BRECCIA
		3	BASALT - ANDESITE - FINE GRAINED MEDIUM TO DARK GRAY - GREEN BASIC FLOWS, TUFFS, OR BRECCIA
		2	BASALT - DIABASE - GABBRO - FINE TO COURSE GRAINED, MEDIUM GRAY GREEN TO GREENISH BLACK FLOWS OR INTRUSIVES
		1	VOLCANIC AGGLOMERATE - BASIC FINE GRAINED GRAY-GREEN MATRIX WITH FRAGMENTS TO 30cm OF SAME, MINOR AMOUNTS OF MORE ACIDIC VOLCANICS AND CHERTS. PROMINENT WEATHERING UNIT.

t	TUFF
bx	BRECCIA TO LAPILLI TUFF
bdd	BEDDED
Tf	FELDSPAR PORPHYRITIC
ep	EPIDOTIZED
py	PYRITE
cpy	CHALCOPYRITE
po	PYRRHOTITE
qv	QUARTZ VEINING
act	ACTINOLITE
diop	DIOPSIDE

- BEDDING
- JOINTING
- SHEARING
- FAULT
- OUTCROP
- GEOLOGICAL CONTACT

R49002 (1750,550,01, 10) — ROCK CHIP SAMPLE Ele, ppm, Cr, ppm, Ag, ppm, Au, deb)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,729

GOLDBRAE DEVELOPMENTS LTD.
NEXUS RESOURCE CORP.
WESTMOUNT RESOURCES LTD.

— NANAIMO LAKES PROPERTY —

DETAILED GEOLOGY MAP

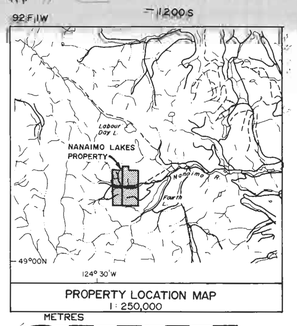
25 12.5 0 25 50 75 metres
1 : 1250

GEOLOGICAL ASSOCIATION OF CANADA
J.C. FREEZE
FELLOW

MAP 2.2.2

600N
500N
400N
300N
200N
100N
00N
100S
200S
300S
400S
500S
600S
700S
800S
900S
1000S
1100S
1200S

92F/W



PROPERTY LOCATION MAP
1:250,000

METRES 25 50 75 100 125 150 175 200

GEOCHEMICAL KEY

$\bar{X}+3S$ 330
$\bar{X}+2S$ 185
$\bar{X}+1S$ 98

COPPER, (ppm)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,729

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
GEOCHEMICAL CONTOUR MAP
COPPER (ppm)

DATE: JULY/85 | FIG.: 3.1.1

WHITE GEOPHYSICAL INC.

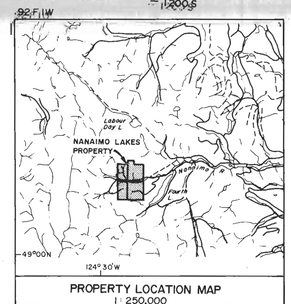
To accompany Geological Report on the WESTMOUNT PROJECT

600N
500N
400N
300N
200N
100N
00N
100S
200S
300S
400S
500S
600S
700S
800S
900S
1000S
1100S
1200S

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,729

92F/1W



PROPERTY LOCATION MAP
1: 250,000

METRES
0 25 50 75 100 125 150 175 200

GEOCHEMICAL KEY

$\bar{X}+3S$ 222
$\bar{X}+2S$ 145
$\bar{X}+1S$ 95

ZINC, (ppm)

GEOLOGICAL ASSOCIATION OF CANADA
J.C. FREEMAN
FELLOW

PROFESSIONAL ENGINEER
PETER WHITE
BRITISH COLUMBIA

GOLDBRAE DEVELOPMENTS LTD.

WESTMOUNT PROJECT

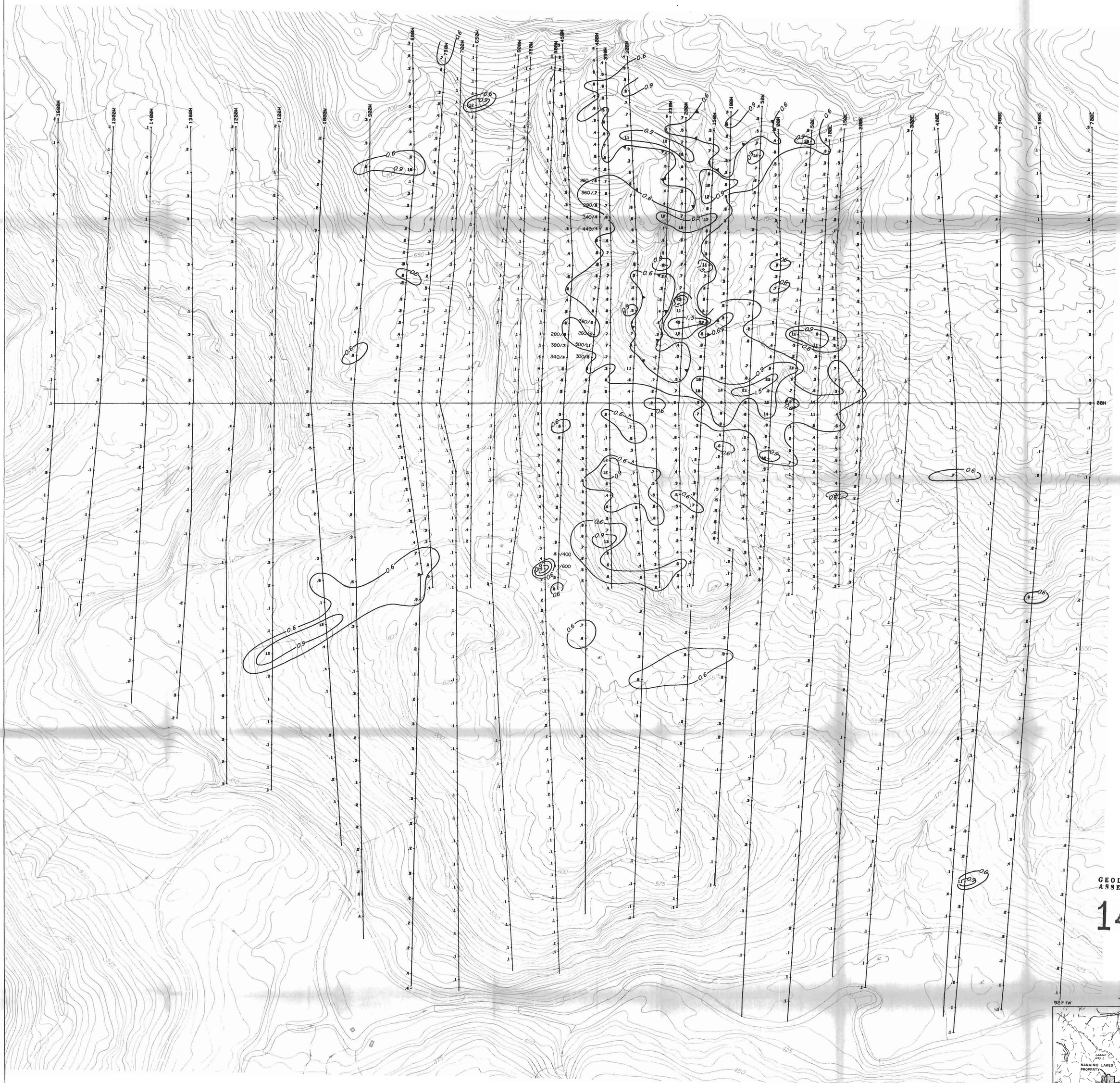
GEOCHEMICAL CONTOUR MAP

ZINC (ppm)

DATE: JULY/85 | FIG.: 3|2

WHITE GEOPHYSICAL INC.

To accompany Geological Report on the WESTMOUNT PROJECT



GEOLOGICAL BRANCH
ASSESSMENT REPORT

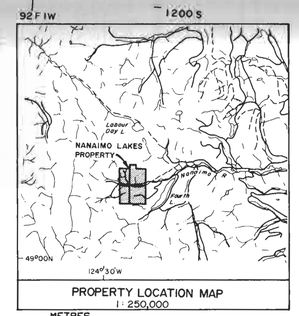
14,729

92F/W

GEOCHEMICAL KEY

$\bar{X}+3S$ 1.5
$X+2S$ 0.9
$X+1S$ 0.6

SILVER, (ppm)



PROPERTY LOCATION MAP
1 : 250,000

METRES
0 25 50 75 100 125 150 175 200

GEOLOGICAL ASSOCIATION OF CANADA
J.C. FREEZE
FELLOW

PROFESSIONAL ENGINEER
OF
GLEN E. WHITE
BRITISH COLUMBIA

GOLDBRAE DEVELOPMENTS LTD.

WESTMOUNT PROJECT

GEOCHEMICAL CONTOUR MAP

SILVER (ppm)

DATE: JULY/85 | FIG.: 3.1.3

WHITE GEOPHYSICAL INC.

To accompany Geophysical Report on the WESTMOUNT PROJECT

KEY

- Road
- Claim Post
- Claim Line
- VLF-EM Conductor
- Pulse EM Conductor
- Magnetic Intensity High
- Induced Polarization Chargeability
- Geochemical Anomaly — Copper ≥185ppm.
- — Silver ≥0.9ppm.
- — Zinc ≥145ppm.

WHITE GEOPHYSICAL INC.

To accompany Geological Report on the WESTMOUNT PROJECT

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,729

GOLDBRAE DEVELOPMENTS LTD.
WESTMOUNT PROJECT
GEOPHYSICAL INTERPRETATION MAP

DATE: SEPT/85 | FIG.: 4.0

'A' 'B' 'C' 'D' 'E' 'F' 'G' 'H' 'I' 'J' 'K' 'L' 'M' 'N' 'O' 'P' 'Q' 'R' 'S' 'T'

600N
500N
400N
300N
200N
100N
00N
100S
200S
300S
400S
500S
600S
700S
800S
900S
1000S
1100S

KEY

Inphase (Percent): ——•——•——

Quadrature (Percent): – – • – – • – –

VLF Transmitter: Seattle (NLK)

Road: ═══ ═══

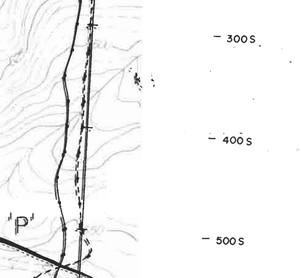
Claim Post: ■

Claim Line: ——— – – ———

INSTRUMENT: GEONICS EM-16

To accompany Geophysical Report on the WESTMOUNT PROJECT

92F/1W



PROPERTY LOCATION MAP
1:250,000

METRES
0 25 50 75 100 125 150 175 200

GEOLOGICAL BRANCH ASSESSMENT REPORT

14,729

WHITE GEOPHYSICAL INC.

GOLDBRAE DEVELOPMENTS LTD.

WESTMOUNT PROJECT
VLF-EM SURVEY
INPHASE & QUADRATURE (%)

DATE: SEPT/85 | FIG.: 4

1600W 1500W 1400W 1300W 1200W 1100W 1000W 900W 800W 750W 700W 650W 600W 550W 500W 450W 400W 350W 300W 250W 200W 150W 100W 50W 0 50E 100E 150E 200E 250E 300E 350E 400E 450E 500E 550E 600E 650E 700E 750E 800E

600 N
500 N
400 N
300 N
200 N
100 N
00 N
100 S
200 S
300 S
400 S
500 S
600 S
700 S
800 S
900 S
1000 S
1100 S
1200 S

KEY

Total Magnetic Intensity (nT):

Base Value: 56000 nT

Corrected for Diurnal Variation

Road: ═══ ═══

Claim Post: ■

Claim Line: ——— - ———

MAGNETIC INTENSITY

3000
2000
1800
1600
1400
1200
1000
800
600
400
200
0

GAMMAS

INSTRUMENT: GMS-8 PROTON PRECESSION MAGNETOMETER

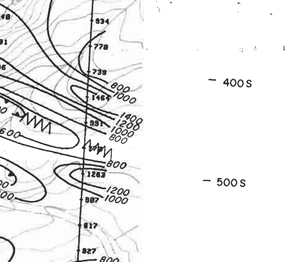
To accompany Geophysical Report on the WESTMOUNT PROJECT

WHITE GEOPHYSICAL INC.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,729

92 F/W



PROPERTY LOCATION MAP
1: 250,000

METRES
0 25 50 75 100 125 150 175 200

J.C. FREEZE
FELLOW

GLEN E. WHITE

GOLDBRAE DEVELOPMENTS LTD.

WESTMOUNT PROJECT

TOTAL MAGNETIC INTENSITY (nT)

DATE: SEPT/85 | FIG.: 4.2