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TYPE OF WORK: Geological, Geochemical

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LOCATION: LAT.: 62<sup>00</sup>'N AREA: White River  
LONG.: 140<sup>37</sup>'W VALUE \$: 10,000.00

CLAIM NAME & NO.: ONION 1-25 (YA96595-607, YA97913-24)

WORK DONE BY: C.A. Main

WORK DONE FOR: Rexford Minerals Ltd., Kluane Joint Venture

DATE TO GOOD STANDING:


REMARKS: #69 ONION

In 1988, detailed soil surveys, magnetometer and EM-16 surveys were done and the Discovery showing was blasted and hand trenched. specimens of gabbro from the chilled margin of a peridotite sill assayed up to 2.66% Ni, 1.08% Cu, 1120ppb Pt and 1610 ppb Pd.

Assessment Report on  
the Geology and Diamond  
Drilling of the:

POP

MOM

BERG

STEN

and MB claims

by:

(John Baril, February 1989)

# ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

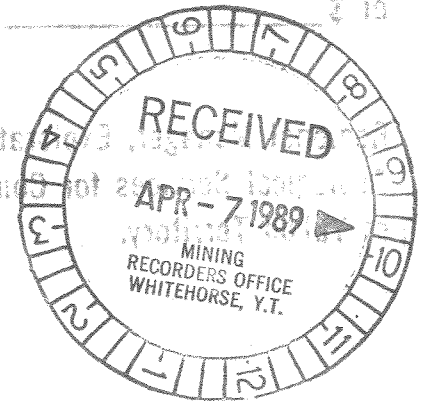
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REPORT ON

GEOPHYSICAL AND GEOCHEMICAL SURVEYS



Onion 1-13 YA96595-YA96607  
Onion 14-25 YA97913-YA97924

NTS 115F/15 and 115K/2

Latitude 62°00'N; Longitude 140°37'W

Performed for  
REXFORD MINERALS LTD. AND  
KLUANE JOINT VENTURE

092708'

C.A. Main, B.Sc. and D.C. Davis, B.Sc.

February, 1989

Work performed between August 23 and September 5, 1988

This report has been examined by  
the Geological Evaluation Unit  
under Section 53 (4) Yukon Quartz  
Mining Act and is allowed as  
representation work in the amount  
of \$ 10,000.00.

*J. J. Bremer*  
Regional Manager, Exploration and  
Geological Services for Commissioner  
of Yukon Territory.

405104

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### SUMMARY AND RECOMMENDATIONS

The Onion property is situated on Miles Ridge, adjacent to the Alaska Highway, about 20 km east of the Alaska border and 500 km from the deep-water port at Haines, Alaska. The property covers part of the White River Ultramafic Complex 7 km southwest along strike from the Canalask nickel deposit. A similar ultramafic complex 75 km to the southeast hosts the former Wellgreen nickel-copper mine where recent exploration has outlined 50 million tonnes grading 0.36% nickel, 0.35% copper, 0.55 g/t platinum and 0.35 g/t palladium.

A small nickel sulphide occurrence, called the Discovery Showing, was found on the Onion property in 1952 and was subsequently explored by prospecting and hand trenching on at least seven occasions prior to 1986. Another small showing was found 400 m northwest of the Discovery Showing in 1966 and the part of the ultramafic contact which hosts these showings was called the Onion Zone.

The property was restaked in 1986 by Kluane Joint Venture (Chevron Minerals Ltd. and All-North Resources Ltd.) and optioned the next year to Rexford Minerals Ltd. In 1987, Rexford conducted a program of surveying, soil and rock geochemical sampling, geological mapping and prospecting to evaluate the platinum as well as the nickel potential. During this program, a third showing was found 300 m to the southeast of the Discovery Showing, thus extending the Onion Zone to a length of 700 m. A fourth occurrence, the Sax Showing, was discovered 1500 m southwest of the Discovery Showing and the contact area for 250 m on either side of the Sax Showing was designated the Sax Zone. The area between the Onion and Sax Zones is anomalous for metals and is called the Rex Zone.

In 1988, Rexford established a well controlled grid that was used to conduct magnetic and EM-16 surveys and more detailed soil geochemical surveys. The Discovery Showing was blasted and hand trenched to provide better exposure.

All four showings lie along the northeastern contact of the White River Ultramafic Complex and consist of iron-nickel sulphides occurring as disseminations and fracture fillings in mafic and ultramafic rocks. This complex on the Onion property is about 150 m thick and commonly bounded on either side by quartz-carbonate alteration zones up to 50 m thick. The trace of the contact suggests the complex is dipping steeply to the southwest and that the mineralization lies along the footwall which is probably the basal contact. Generally the basal contact is more favorable for development of magmatic sulphide deposits but, in narrow sills such as those which comprise the White River Ultramafic Complex, either contact could have chill margins and host sulphide mineralization.

The Onion Zone is marked by a strong magnetic anomaly and coincident EM-16 conductor which could indicate a concentration of sulphides. The zone also produced moderate nickel soil anomalies over the ultramafic rocks and high copper values in volcaniclastic rocks east of (i.e. below) the complex. A few soil samples along the contact are weakly anomalous in platinum and palladium.

The Discovery Showing, which has received most of the work in the Onion Zone, consists of poorly exposed and strongly leached sulphide mineralization that was partially explored prior to 1986 with shallow hand trenches that are now caved. The mineral assemblage consists of pyrrhotite, pyrite, chalcopyrite, magnetite and pentlandite, plus minor amounts of heazlewoodite and niccolite. Traces of maucherite and millerite have also been reported nearby. In 1987, a

specimen of limonitic sulphide-bearing float from an old trench assayed 3.20% nickel, 0.65% copper, 440 ppb platinum (0.014 opt Pt), 1050 ppb palladium (0.031 opt Pd) and 35 ppb gold. Three other float specimens of peridotite and gabbro containing traces of disseminated pyrrhotite returned values ranging up to 0.25% nickel, 0.06% copper, 150 ppb platinum, 280 ppb palladium and 55 ppb gold. In 1988, one of the old trenches was cleaned out exposing a 3 m wide zone of gabbro (the chilled margin of a peridotite sill) in contact with quartz carbonate altered wallrocks. Specimens of this gabbro contained up to 2% disseminated pyrrhotite and pentlandite and assayed up to 2.66% nickel, 1.08% copper, 1120 ppb platinum (0.033 opt Pt) and 1610 ppb palladium (0.047 opt Pd). L. Hulbert of the Geological Survey of Canada (GSC) visited this showing during 1988 and considered the sulphides to be due to primary magmatic segregation. Samples taken by Hulbert are similarly anomalous for platinum and palladium. They are also anomalous for rhodium (up to 700 ppb) and iridium (up to 640 ppb), and contain higher than average values for ruthenium and osmium. These results are comparable to those from mineralization found at the Wellgreen deposit and may indicate the Onion property has significant potential for platinum group elements (PGE's) as well as for nickel and copper.

The Sax Zone is centred on the Sax Showing where, in 1987, a specimen of fine-grained, limonitic gabbro float containing traces of disseminated pyrrhotite and chalcopyrite assayed 0.44% nickel, 0.22% copper, 140 ppb platinum (0.004 opt Pt), 440 ppb palladium (0.013 opt Pd) and 35 ppb gold. The Sax Zone is 500 m long and marked by strong magnetic and EM-16 anomalies that coincide with the ultramafic contact. Geochemical response resembles the Onion Zone with moderate nickel soil anomalies over the ultramafic sill and strong

copper anomalies from the underlying hornblende diorite wallrocks. A few soil samples along the zone are anomalous in platinum and palladium with maximum values slightly greater than those found in the Onion Zone.

The Rex Zone is a 400 m interval of the footwall contact between the Onion and Sax Zones. It has been designated as a specific zone (even though it has not yet been shown to host mineralization) as it covers strong coincident magnetic and EM-16 anomalies with intermittent moderate nickel soil anomalies over the ultramafic sill and strong copper anomalies from adjacent wallrocks. A strong gold soil anomaly occurs 200 m east of the Rex Zone.

The hanging wall (southwestern) contact of the ultramafic sill also exhibits strong coincident magnetic and EM-16 anomalies that could indicate sulphide concentrations.

Other types of mineralization previously reported on the Onion property include a porphyry-type copper-molybdenum stockwork, silver-lead and lead-copper-barite veins and tungsten-fluorite in a suspected skarn, all of which occur in wallrocks away from the ultramafic sill.

The results from the Onion property are encouraging, particularly in light of recent results from the Wellgreen and Canalask properties. A program of drilling is required to test the mineralized northeastern contact of the White River Ultramafic Complex. The first phase should consist of two holes totalling about 200 m at the Onion Zone and, with encouragement, a second phase of drilling should be done.

The first phase is estimated to cost \$75,000 and the second phase \$250,000, as shown on the following page.

1989 Exploration Program  
Onion Property

The budget assumes drilling would be conducted from a flycamp on the property with casual helicopter support. The first phase drilling would consist of two holes collared just southwest of the Discovery Showing and designed to pierce the downdip projection of that showing. The second phase of drilling would involve two or three holes in each of the Onion, Sax and Rex Zones.

Phase One

Diamond Drill, 200 m NQ, total costs ..... \$ 75,000

Phase Two

Diamond Drill, 700 m NQ, total costs ..... 250,000

TOTAL - \$325,000

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



C.A. Main, B.Sc.



D.C. Davis, B.Sc.

## INTRODUCTION

The Onion property was staked in December, 1986 by Archer, Cathro & Associates (1981) Limited on behalf of Kluane JV to cover part of the White River Ultramafic Complex that hosts a nickel-copper occurrence called the Discovery Showing. This setting was considered to have geological potential due to its similarity to the Wellgreen nickel-copper-platinum group element (PGE) deposit situated 75 km to the southeast. In May, 1987, the Joint Venture optioned the property to Rexford. which subsequently conducted a program of mapping and sampling described in a report by R.J. Cathro dated December, 1987.

Rexford conducted an exploration program in 1988 consisting of geophysical and soil geochemical grid surveys and hand trenching. The program was managed by Archer, Cathro with supervision by C. A. Main. D.C. Davis was crew chief and M. Chursinoff and B. Runciman were field assistants.

PROPERTY, LOCATION AND ACCESS

The Onion property consists of a contiguous 25 claim block registered with the Whitehorse Mining Recorder as follows.

<u>Claim Name</u>	<u>Record No.</u>	<u>Expiry Date</u>
Onion 1-13	YA96595-YA96607	March 19, 1992
Onion 14-25	YA97913-YA97924	March 19, 1992

The property is situated on Miles Ridge 3 km south of the Alaska Highway at latitude 62°00'N and longitude 140°37'W, as shown on Figure 1. It straddles the boundary between NTS claim maps 115F/15 and 115K/2. Access is either by helicopter or on foot from the highway. Meals, lodging, telephone service and fuel are available at several nearby highway lodges situated about 320 km by road from Whitehorse or 500 km from the deep-water port at Haines, Alaska.

The property covers a steep northeast-facing hillside and the main area of interest occurs at about 1220 m elevation, approximately halfway above the 770 m White River Valley and the crest of Miles Ridge that reaches elevations of about 1650 m. Most of the property lies above treeline, which is about 1000 m.

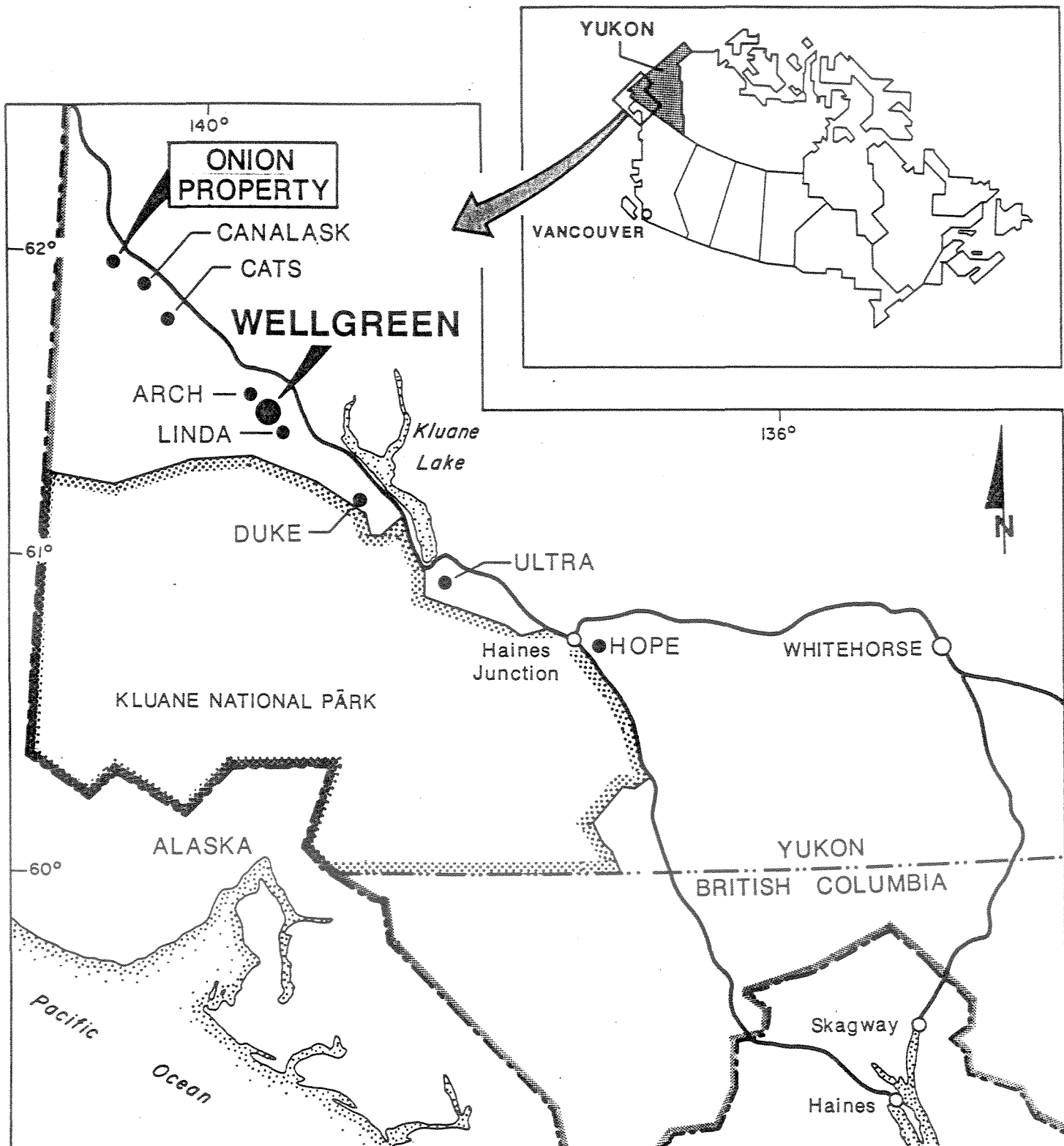


Figure 1  
**LOCATION**  
**ONION PROPERTY**  
 KLUANE DISTRICT, YUKON  
 REXFORD MINERALS LTD.



### HISTORY AND PREVIOUS WORK

The Onion claims cover the western end of the White River Ultramafic Complex which is 7 km along strike to the northwest from the Canalask nickel deposit. Prospectors working around that deposit found a nickel-copper occurrence, now called the Discovery Showing, and staked it as the Beth claims in July, 1952 for Prospectors Airways Ltd. The showing was subsequently held by P. Johnson and W. Abraham in 1956 (Ellik, Glacier and Possible claims), G. Harris in 1957 (Success claims), Conwest Exploration Co. Ltd. in 1960 (Onion claims), Cominco Ltd. in 1966 (Hawk, etc. option), J. Enoch in 1967 (Porky claims), D. Backstrom in 1968 (Sparky claims) and by P. Verslucce and C. Gibbons in 1969 as part of the neighboring Canalask property (Micro claims). Work, prior to the Rexford option, consisted of prospecting, mapping and hand trenching, all testing the nickel potential.

The ultramafic complex between the Onion and Canalask properties has been staked as the IV claim group of Polestar Exploration Inc., as shown on Figure 2. The northwest extension of the complex extends into a Native Land Claim area excluded from staking.

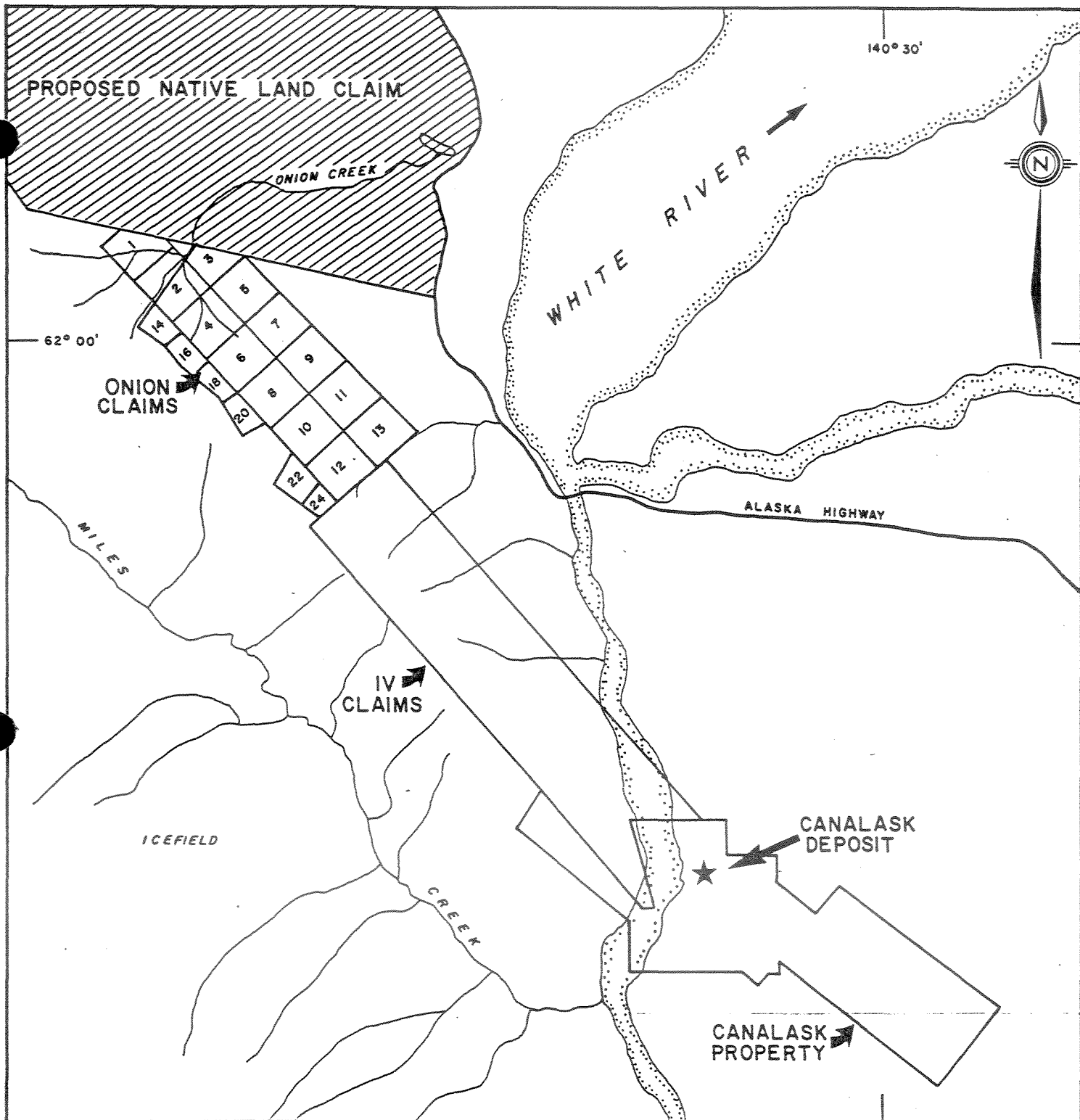
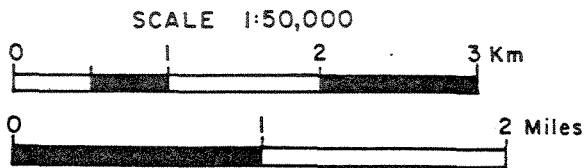


Figure 2

**CLAIM MAP**  
**ONION PROPERTY**  
**KLUANE DISTRICT, YUKON**  
**REXFORD MINERALS LTD.**



REXFORD'S WORK PROGRAM

In 1987, the Onion claim posts were surveyed and a program of mapping and prospecting identified the position of the ultramafic intrusion. Additional claims were staked and a number of reconnaissance soil and rock geochemical samples were collected.

In 1988, a camp was established on the property from August 23 to September 5. A 2300 m long baseline was established by hipchain and transit and marked by wooden pickets bearing metal tags inscribed with the grid coordinates. Crosslines were established at 100 m intervals and stations were marked at 20 m intervals with similarly tagged pickets. EM-16 and magnetometer surveys were conducted on the grid with readings taken every 20 m while soil sampling was done at 50 m intervals, with a total of 220 samples taken. The Discovery Showing was hand trenched by blasting and most of the grid was prospected.

### REGIONAL GEOLOGY

The property is located along the eastern margin of the Wrangellia Terrane, herein called the Kluane Belt. The belt consists of a 10 to 17 km wide, fault-bounded slice of accreted island arc assemblage including volcanic, volcanoclastic and related sedimentary rocks that extend over 350 km from northwestern B.C., across the Yukon, and into Alaska. The belt is bounded on its northeast side by the Shawkak Fault, a regional scale transcurrent fault with apparent dextral movement, and to the southwest by a series of sinusoidal faults that roughly parallel the Shawkak Fault.

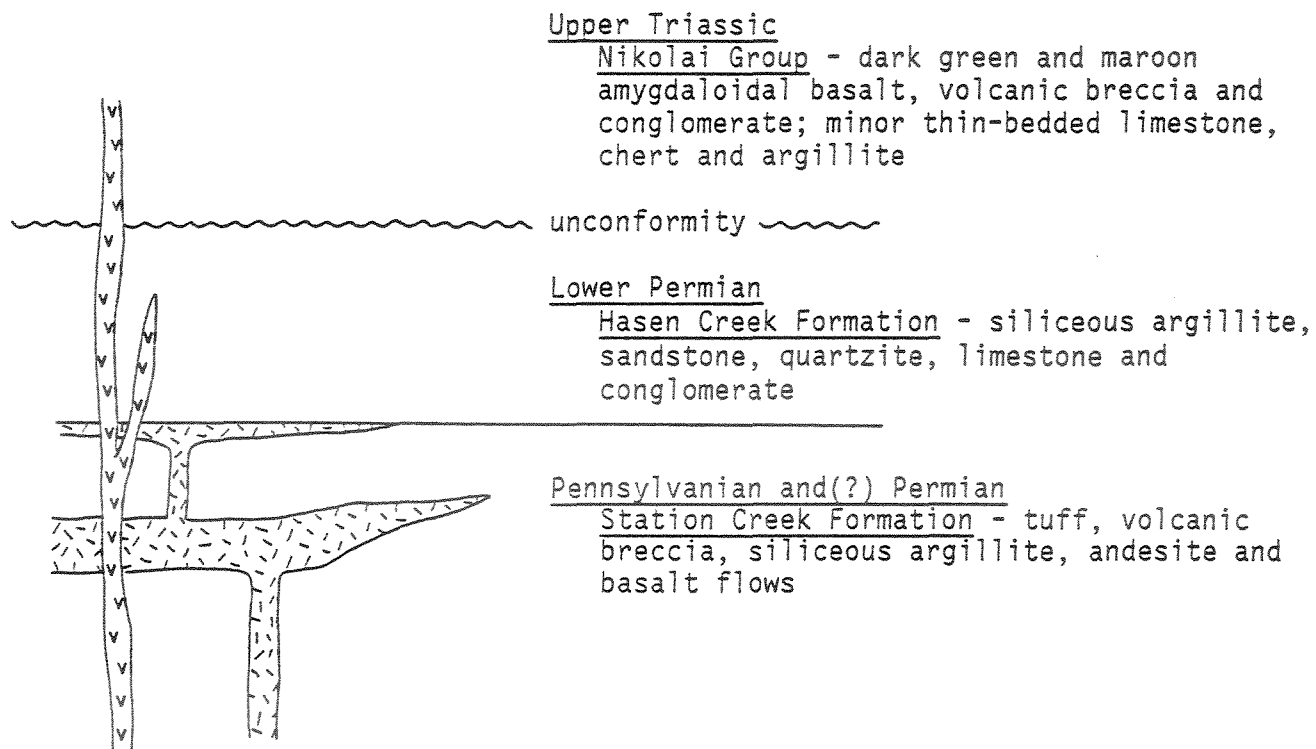
The general geology of the belt is summarized in Table I. The oldest exposed bedrock is Pennsylvanian to Permian Skolai Group andesitic volcanic and volcanoclastic rocks (Station Creek Fm) grading upward to clastic sedimentary rocks and limestone (Hasen Creek Fm). These are overlain unconformably by Upper Triassic Nikolai Group basalt and limestone with infrequent gypsum horizons. All are intruded by Cretaceous granodiorite plutons and Oligocene porphyritic latite to trachyte dykes and small stocks.

In addition, two types of mafic and ultramafic intrusions are present.

1. The White River, Quill Creek, Tatamagouche Creek and Chilkat Ultramafic Complexes are differentiated Lower Triassic sills that intrude Station Creek Formation and Hasen Creek Formation sedimentary and volcanoclastic rocks. They typically consist of strongly serpentinized dunite, peridotite and lesser marginal facies gabbro and clinopyroxenite. The complexes are folded and dismembered by faults, reaching a maximum thickness of about 800 m and a length of 25 km. Mineral constituents in the ultramafic rocks are olivine, clinopyroxene, orthopyroxene, biotite, plagioclase, amphibole and minor

TABLE I


TABLE OF FORMATIONS - KLUANE Ni-Cu-PGE BELT




INTRUSIVE ROCKS

not shown Oligocene biotite quartz latite porphyry to trachyte dykes and small stocks

not shown Cretaceous biotite-hornblende granodiorite, biotite-hornblende diorite and hornblende-biotite quartz diorite stocks

 Upper Triassic medium-grained diabasic gabbro dykes and small stocks; probably feeders for Nikolai Group basalts

 Lower Triassic differentiated ultramafic sills consisting mainly of peridotite with lesser dunite, gabbro and clinopyroxenite

magnetite and sulphides. The gabbro phases consist of clinopyroxene, plagioclase, minor olivine and amphibole and trace amounts of magnetite and sulphides.

Cumulate textures are common in the dunite and peridotite while gabbro and clinopyroxenite phases are compact and massive. Most nickel-copper-PGE occurrences in the Kluane Belt are spatially associated with the marginal facies of the sills.

Chemically the mafic-ultramafic sills have high  $TiO_2:MgO$  ratios, low Fe/Mg ratios and anomalously high MgO, Ni, PGE and Cr backgrounds. Primary phlogopite biotite from the Quill Creek Complex yielded a potassium argon age determination of  $224 \pm 8$  Ma (Lower Triassic).

2. Dykes and small stocks of medium-grained diabasic gabbro occur throughout Station Creek and Hasen Creek Formations and Nikolai Group. They consist of augite and plagioclase with minor orthopyroxene, hornblende and magnetite. Field evidence supports an Upper Triassic age for the gabbros as remnants of feeder systems for the Nikolai Group basaltic flows. No known nickel or PGE mineralization is associated with the younger gabbros but small copper occurrences are common.

PROPERTY GEOLOGY

The following descriptions are based on recent mapping plus earlier published and unpublished data.

The only public records of previous work are:

- (a) an undated report by T.W. Muraro for Cominco Ltd. describing the results of a mapping program conducted in June and July, 1966 filed for assessment credit on the 24 Hawk, Owl, Ice and Jumbo claims; and,
- (b) a brief mineralogical report by V.S. Papezik, published in the July-August, 1955 issue of The American Mineralogist, Vol. 40, No. 7-8.

Additional non-public information used in the preparation of this report includes assay data from the 1956 program by Johnson and Abraham on the Ellik, Glacier, Possible and Libby claims, provided by Glen Harris, and a private report on the geology of Miles Ridge dated June, 1973 by V. Ahlborn for the Nickel Syndicate (Aquitaine Company of Canada Ltd., Canadian Superior Exploration Limited, Getty Mining, Limited and Home Oil Company Limited) that was provided by P. Versluce.

The geology of the property is shown on Figure 3 and consists of Pennsylvanian to Lower Permian Station Creek Formation volcanic breccias and tuffs that are overlain, in turn, by conformable Hasen Creek Formation clastic sedimentary rocks and limestones and unconformable Upper Triassic Nikolai Group amygdaloidal andesite and basalt flows. Medium-grained hornblende-diorite bodies intrude Station Creek and Hasen Creek rocks and are probably subvolcanic equivalents of the younger Nikolai volcanics.

The White River Ultramafic Complex consists of a steeply southwest-dipping sheet of largely serpentized mafic to ultramafic rocks that intrudes the upper

parts of the Station Creek Formation. This sill-like body is exposed intermittently along Miles Ridge to the southeast as far as the Canalask deposit, a distance of about 7 km. The least serpentinized exposures suggest the sill is composed of peridotite, dunite, and clinopyroxenite, plus olivine and hornblende-gabbro phases. Irregular zones of albitization occur in volcanic rocks and diorite bodies peripheral to the sill. The ultramafic complex, which is 100 to 150 m thick, grades abruptly into extensive zones of quartz-carbonate alteration at footwall and hanging wall contacts. Generally the contacts are poorly exposed but the general trace suggests the dip may vary locally from quite shallow to vertical.

The quartz-carbonate altered zones were probably derived from ultramafic rocks, plus some adjacent wallrocks and consists of a carbonate- and silica-rich, amorphous, buff to orange weathering matrix that is laced with white quartz and calcite or ankerite(?) veinlets. Spots of manganese oxide and malachite occurring on unexposed fractures and fine-grained disseminated pyrite are occasionally found throughout the zones.

### MINERALIZATION

The Kluane Belt hosts a number of significant nickel-copper-PGE occurrences such as the Wellgreen and Canalask deposits, situated 75 and 7 km, respectively to the southwest of the Onion property.

At the Wellgreen deposit, concentrations of iron, nickel and copper sulphides are found as massive pods on the margins of the Quill Creek Ultramafic Complex or as extensive disseminated zones within it. Published reserves (probable and possible) total 50 million tons grading 0.36% nickel, 0.35% copper, 0.55 g/t platinum (0.016 opt Pt) and 0.35 g/t palladium (0.010 opt Pd) with an undetermined but significant amount of the minor PGE elements (osmium, iridium, ruthenium and rhodium). The geological setting and the metal signature of the Wellgreen deposit is similar to the Norilsk nickel-platinum camp in Russia which is a major producing region. One of the main controls for sulphide deposition at Wellgreen (and for the Norilsk deposits) is believed to be proximity to calcareous wallrocks.

The Canalask deposit consists of probable reserves totaling 403,700 tonnes grading 1.48% nickel and 0.12% copper with low values of PGE's. The sulphides occur in a 120 m long zone hosted in volcanoclastic rocks along the eastern margin of the White River Ultramafic Complex. A number of secondary sills and dykes are developed peripheral to the main ultramafic sill and nickel mineralization is associated with a number of these secondary intrusions. Background metal values for the White River Ultramafic Complex are about 1500 ppm nickel, 100 ppm copper and 15 ppb palladium with less than 15 ppb platinum and 5 ppb gold. Background values in the adjacent volcanic rocks are about 700 ppm nickel, 70 ppm copper and 10 ppb palladium with less than 15 ppb platinum and 5 ppb gold.

On the Onion property, nickel-copper-PGE mineralization has been noted at four locations along the northeast contact of the ultramafic complex. This contact is probably the basal contact but, for a narrow intrusion like this, either contact could be mineralized. Three of the occurrences are situated within the 700 m long Onion Zone at the head of Onion Creek. The fourth occurrence is found within the 500 m long Sax Zone at the south end of the grid, roughly 1 km to the southeast of the Onion Zone. Along the contact between the Onion and Sax Zones is the roughly 400 m long Rex Zone. The Rex Zone is considered separately as this part of the contact has a number of coincident geochemical and geophysical anomalies but further work may show that the Sax Zone and the Rex Zone are continuously mineralized, or that all three zones are continuous at depth.

The Onion Zone contains the Discovery Showing which received most of the prospecting and trenching prior to 1986, plus two smaller showings, one 400 m to the northwest and the other 300 m to the southeast. The 1966 Cominco report states that both the Discovery and the Onion Northwest Showings contain near-massive, foliated pyrrhotite bands up to 10 cm thick. The Onion Southeast Showing was found in 1987 and consists of strongly sheared and altered, brown to dark green ultramafic rock containing malachite and minor limonite stains but no visible sulphides. A specimen of this mineralization assayed 19.2% nickel, 0.02% copper and 4100 ppb gold (0.120 opt Au) but only 50 ppb platinum and 100 ppb palladium. The Discovery Showing, which was trenched during 1988, is described in more detail in the following paragraphs.

The 1956 report by Johnson and Abraham shows the results of prospecting and hand trench sampling, apparently from the Discovery Showing. The best values are tabulated below.

TABLE II  
1956 ASSAYS FROM ONION PROPERTY

<u>Sample No.</u>	<u>Ni (%)</u>	<u>Cu (%)</u>	<u>Other Metals</u>	<u>Thickness (cm)</u>
Possible 1	tr	22.2	1.3 opt Ag	40
Possible 2	16.9	18.9	11.9% Mo	60
Possible 4a	17.1	tr	0.16% Co	45
Glacier 5/7	tr	23.9	---	75
Glacier 6/8	tr	18.9	1.0 opt Ag	60

The copper-nickel values are similar to more recent assays of material from the Onion Zone but the presence of high molybdenum values is unusual and not consistent with the Discovery Showing mineralization. The only explanations are that some samples consisted of mixtures of materials from several sources or that there were analytical problems. The only known molybdenum on the property, noted by Cominco, is in vuggy quartz stringers that occur within a 30 cm wide fracture zone in a hornblende diorite immediately east of the forks of Onion Creek to the northeast of the ultramafic complex.

The report in the American Mineralogist indicates that, in addition to pyrrhotite, pyrite and chalcopyrite, the Discovery Showing (and possibly the Onion Northwest Showing) contains magnetite, pentlandite, heazlewoodite (NiS<sub>2</sub>) and niccolite (NiAs). A stringer of massive maucherite (Ni<sub>11</sub>As<sub>8</sub>) reportedly occurs with minor magnetite and millerite (NiS) about 1.5 km farther to the northwest (off the property).

The old trenches on the Discovery Showing are now largely sloughed in. In 1987, limonitic float containing a thin sulphide veinlet was collected from one of the old trenches and this specimen assayed 3.20% nickel, 0.65% copper, 440

ppb platinum (0.014 opt Pt), 1050 ppb palladium (0.031 opt Pd) and 35 ppb gold. Three other float specimens of peridotite and gabbro containing traces of disseminated pyrrhotite returned values ranging up to 0.25% nickel, 0.06% copper, 150 ppb platinum, 280 ppb palladium and 55 ppb gold. A 2 m deep hand pit was dug at one of the old trench locations and rocky soil samples taken over 0.5 m intervals along the pit wall assayed up to 0.68% nickel, 0.30% copper, 820 ppb platinum (0.023 opt Pt), 1200 ppb palladium (0.035 opt Pd) and 160 ppb gold (0.005 opt Au).

In 1988, one of the old trenches was cleaned out exposing 3 m of gabbro (the chilled margin of the peridotite sill) at the contact with quartz carbonate altered rocks. The gabbro contains up to 2% disseminated pyrrhotite and pentlandite and produced the assays shown below.

<u>Sample</u>	<u>Nickel (%)</u>	<u>Copper (%)</u>	<u>Platinum (ppb) [opt]</u>	<u>Palladium (ppb) [opt]</u>
Selected pyrrhotite	2.66	1.08	1131 [0.033]	1611 [0.047]
Best 2 m interval,				
floor	0.38	0.13	240 [0.007]	411 [0.012]
rib	0.36	0.15	926 [0.027]	1989 [0.058]

L. Hulbert of the GSC visited this showing and considered the sulphides to be due to primary magmatic segregation. Hulbert also took samples which returned up to 2000 ppb (0.058 opt) platinum, 1700 ppb (0.050 opt) palladium, 700 ppm (0.020 opt) rhodium and 640 ppb (0.019 opt) iridium, plus higher than average values for ruthenium and osmium.

The other significant nickel occurrence on the property is the Sax Showing, a new discovery located 1500 m southeast of the Discovery Showing. The Sax Showing is roughly central to the part of the contact designated the Sax Zone. A specimen of fine-grained, limonitic gabbro float containing a trace of

disseminated pyrrhotite and chalcopyrite returned values of 0.44% nickel, 0.22% copper, 140 ppb platinum (0.004 opt), 440 ppb palladium (0.013 opt) and 35 ppb gold (.001 opt).

#### Other Mineralization

Three other types of mineralization have been noted on the Onion property.

1. Tetrahedrite was found in 1956 in a float zone 15 m long and 1.2 m wide on the former Ellik 8 claim. The float is presumably from a silver-lead bearing vein that lies uphill (south) from the ultramafic body. No assays are available.
2. A 1 m wide zone containing 18% scheelite and 4% fluorite on the Libby 7 claim was also noted in 1956. This showing is apparently situated uphill from the ultramafic body at the head of Onion Creek and appears to be a skarn or greisen-type occurrence that is probably associated with a limestone-diorite contact. There are no other tungsten occurrences known in this vicinity.
3. According to Ahlborn (1973), galena, barite and chalcopyrite occur in a 30 m thick quartz vein that strikes N18°E and dips 50°E. Barite was also noted with disseminated chalcopyrite in quartz and calcite veinlets but lies toward the White River at the southeast end of Miles Ridge (probably off the property).

### GEOPHYSICS

Surveys were done on a grid with a 2300 m long baseline and crosslines every 100 m. The crosslines extend an average of 300 m on either side of the baseline but the length was sometimes altered to ensure coverage of the ultramafic complex or to avoid dangerous topography. The baseline was oriented at 314°, which is parallel to the strike of the complex. All lines were surveyed and measured using chain and transit and marked with 1 m wooden lath bearing a metal tag inscribed with coordinates. Stations were established every 20 m on crosslines. Magnetic and EM-16 surveys were conducted by Delta Geoscience Ltd. of Delta B.C. using a Scintrex (I.G.S.) System with an MP3 base station. The main frequency used for VLF surveys was Seattle, Washington. The magnetic readings were taken from two sensors positioned at the top of a 2.3 m pole that, at each station, measured that total field and the difference in vertical field between sensors (gradiometric value). Geophysical results for all three grids are shown on Figures 4a to 4e and are discussed below.

The magnetic survey, particularly the plan map of total magnetic susceptibility (Figure 4a), clearly outlines the ultramafic complex, excluding the quartz-carbonate altered margins which are not magnetic. Since the magnetic outline closely coincides with the ultramafic rocks in areas of good exposure, it has been assumed that it defines the position of the complex and the geology maps are largely based on this magnetic interpretation. There are a number of apparent offsets along the contacts and these are likely due to thrust or cross faults or secondary intrusions. Magnetic variations within the anomaly may reflect segregated horizons within the complex. The hanging wall side of the complex generally produces higher magnetic values because of its southwesterly dip.

Although EM-16 data has not been interpreted by a geophysicist, it is obvious that the Fraser filtered plan map, Figure 4d, shows at least three major conductors that are generally, but not always, subparallel with the strike of the complex.

Anomaly A is roughly coincident with the footwall contact of the complex and extends from the south end of the grid through the Sax and Rex Zones before terminating abruptly at about 1400S. Since this footwall contact is the principal target on the property and the EM anomaly is probably caused by conductive sulphide concentrations, this anomaly warrants further investigation.

Anomaly B is also roughly coincident with the footwall contact of the complex and extends from the north end of the grid, through most of the Onion Zone to about 1300S where it inexplicably veers across the complex away from the footwall contact. This swing may be due to faulting or a later intrusions and it is possible that the anomaly connects with anomaly A, described above.

Anomaly C is coincident with the hanging wall contact of the complex and extends from the south end of Anomaly B to the south end of the grid. There is no known mineralization to explain this anomaly but it is possibly due to nickel-copper sulphides in a chilled margin along the hanging wall.

### GEOCHEMISTRY

In 1987, a reconnaissance survey consisting of 154 soil and 23 rock samples were collected on sample lines across the strike of the ultramafic sill. In 1988, the control grid established for the geophysical surveys was used to provide more detailed sampling and 220 soil and 20 rock samples were taken at 50 m intervals along the crosslines.

Samples were collected in kraft paper bags and shipped to Bondar-Clegg & Company, North Vancouver, B.C., where they were sieved to -35 mesh and pulverized. After preparation, a one-half assay ton split was geochemically analyzed for nickel, copper, platinum, palladium and gold by the "Platinum + 4" package in which the three precious metals are analyzed by D.C. Plasma - Atomic Emission Spectroscopy (DCP-AES) and the other metals by Atomic Absorption Spectroscopy (AAS).

Anomalous nickel soil geochemical values are closely associated with the ultramafic complex. The average background value is about 1200 ppm nickel in the vicinity of the ultramafic rocks as opposed to less than 100 ppm in wallrocks. Anomalous values, exceeding 2000 ppm nickel, are found intermittently along the entire length of the complex but there is a slightly greater concentration of anomalous values within the Onion and Sax Zones.

The average background value for copper in soil samples is about 150 ppm copper over all units. Anomalous copper response (exceeding 500 ppm) is concentrated in three areas that are slightly downhill from the Onion, Rex and Sax Zones. Many of these samples are strongly anomalous, commonly exceeding 1000 ppm copper and ranging up to 17,000 ppm.

Background values for platinum and palladium in soil samples are about 30 ppb platinum and 40 ppb palladium, respectively. Anomalous platinum values (exceeding 100 ppb) tend to be coincident with anomalous palladium values (exceeding 100 ppb) and are concentrated in the Onion Zone and particularly the Sax Zone, where values up to 250 ppb platinum and 220 ppb palladium were obtained.

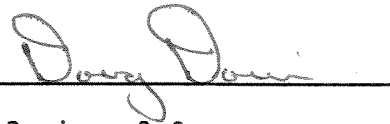
The background value for gold in soil samples is less than 5 ppb gold. Most samples were not anomalous but a 300 m area on the edge of the grid, about 200 m below the footwall contact at 1900S, returned strongly anomalous values up to 1160 ppb gold. This anomaly is likely due to mineralization in the hornblende-diorite adjacent to the ultramafic complex and is probably unrelated to magmatic sulphides.

APPENDIX I  
AUTHORS' STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Doug C. Davis, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of Alberta in 1987 with a B.Sc. majoring in Geological Sciences.
2. From 1988 to present, I have been actively engaged as a geologist in mineral exploration in Yukon Territory and am presently employed with Archer, Cathro & Associates (1981) Limited and since 1985 as a field assistant.
3. I have personally participated in or supervised the field work reported herein.



Doug C. Davis. B.Sc.

STATEMENT OF QUALIFICATIONS

I, Charles A. Main, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 1971 with a B.Sc. majoring in Geological Sciences and Chemistry.
2. I have been actively engaged as a geologist in mineral exploration since 1971 and as a partner of Archer, Cathro & Associates (1981) Limited since June 1, 1981.
3. I have personally participated in or supervised the field work reported herein.



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Charles A. Main, B.Sc.

APPENDIX II  
LIST OF EMPLOYEES

NAME

C. Main

D. Davis

M. Chursinoff

B. Runciman

POSITION

Project Manager

Crew Chief

Field Assistant

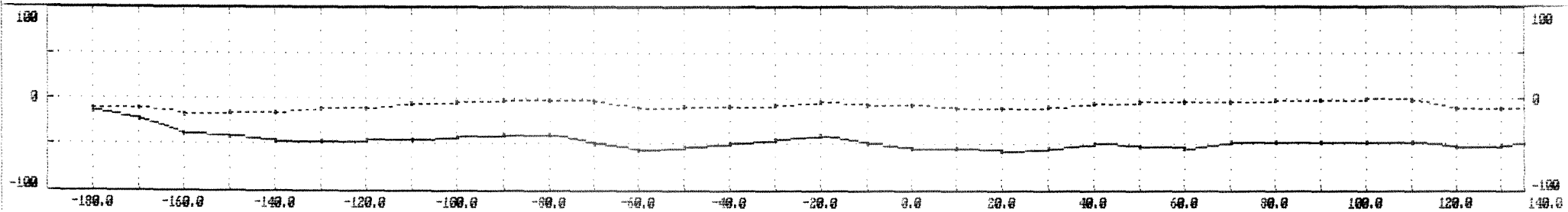
Field Assistant

APPENDIX III  
GEOPHYSICAL DATA  
VLF-EM HJELT FILTERED PROFILES

# ONION GRID.

L. 2800S. ULF DATA (23.4kHz)

QZ	-10.0	-11.0	-17.0	-15.0	-15.0	-11.0	-10.0	-5.0	-3.0	-2.0	-1.0	-4.0	-10.0	-9.0	-9.0	-7.0	-4.0	-6.0	-6.0	-11.0	-10.0	-8.0	-5.0	-3.0	-4.0	-3.0	-2.0	-1.0	0.0	-1.0	-10.0	-10.0	-7.0
IZ	-14.0	-23.0	-39.0	-42.0	-47.0	-49.0	-45.0	-42.0	-41.0	-41.0	-50.0	-56.0	-53.0	-49.0	-46.0	-41.0	-50.0	-54.0	-54.0	-58.0	-54.0	-49.0	-52.0	-54.0	-48.0	-47.0	-48.0	-47.0	-48.0	-53.0	-51.0	-45.0	
FREQI	44.0	27.0	14.0	4.0	-5.0	-6.0	-7.0	-5.0	9.0	24.0	18.0	-4.0	-14.0	-15.0	-4.0	17.0	17.0	9.0	4.0	-9.0	-11.0	3.0	1.0	-11.0	-7.0	0.0	0.0	6.0	9.0	-5.0	-16.0	-17.0	

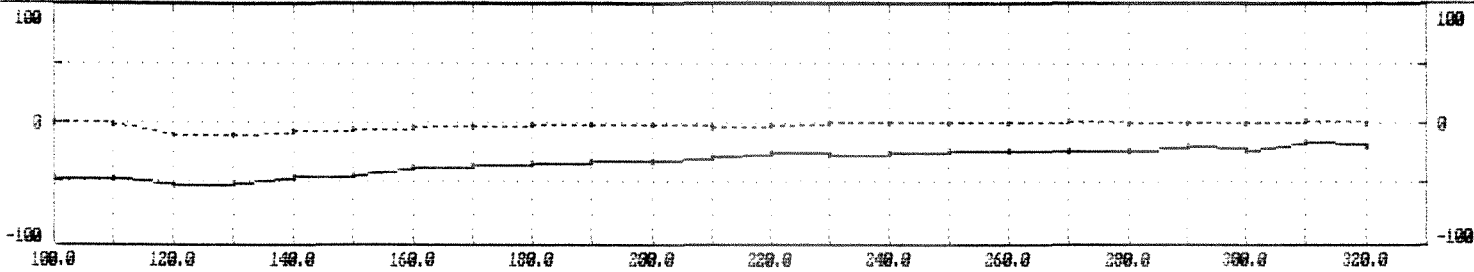


10.0	11.2	15.1	13.2	6.2	5.3	-1.0	-1.5	-1.9	-1.3	0.3	5.0	3.4	1.7	-3.7	-3.0	-4.5	2.1	7.7	3.1	2.8	0.5	-4.9	-1.5	2.0	-2.7	-3.9	0.0	-0.1	0.0	3.0	1.3	-5.3	10.0
20.0	12.2	20.1	17.4	13.3	4.5	5.3	1.4	-1.3	-1.8	2.9	7.0	6.9	5.5	-1.9	-7.5	-0.6	3.5	4.6	9.3	1.4	-3.8	-0.8	-1.2	-3.2	-0.6	-2.2	-5.5	-1.1	2.6	0.2	-2.6	-3.7	20.0
30.0	5.9	14.9	22.8	16.5	11.6	0.4	-0.8	-2.4	5.3	10.0	8.0	5.7	3.5	-0.3	-0.5	-1.0	0.4	5.4	5.3	5.4	1.0	-0.4	-3.9	-6.5	-3.6	-1.5	-3.0	-2.1	0.2	-2.8	-4.2	-7.7	30.0
40.0	2.7	9.2	13.4	18.8	10.9	6.8	-1.1	2.9	5.8	4.2	4.9	4.8	2.9	7.2	7.9	2.4	0.4	0.1	0.5	4.1	3.1	-0.6	-4.7	-5.2	-8.8	-5.1	1.6	-1.3	-5.2	-4.0	-8.1	-9.1	40.0
50.0	-5.5	-2.0	4.9	10.0	15.9	11.1	11.5	5.3	2.4	-2.0	-3.4	-2.8	4.6	9.5	11.4	13.5	5.0	-3.5	-0.8	1.3	-0.9	2.1	-1.8	-4.4	-3.9	-3.8	-3.7	-4.3	-6.9	-11.2	-7.8	-8.1	50.0
60.0	-15.0	-8.5	-3.3	2.1	0.1	19.2	17.2	10.3	-0.9	-3.4	-8.4	-3.5	2.5	4.2	9.6	9.9	6.7	4.3	0.3	-2.2	-2.9	-0.4	1.4	-2.5	-1.2	-2.8	-9.2	-7.0	-9.3	-11.2	-13.4	-10.9	60.0

# ONION GRID.

L.2800S. ULF DATA (23.4khz)

QZ	0.0	-1.0	-10.0	-10.0	-7.0	-5.0	-3.0	-3.0	-1.0	-2.0	-2.0	-3.0	-1.0	0.0	0.0	0.0	0.0	2.0	0.0	1.0	0.0	2.0	1.0
IX	-47.0	-49.0	-53.0	-51.0	-45.0	-43.0	-36.0	-35.0	-33.0	-32.0	-32.0	-20.0	-25.0	-26.0	-25.0	-22.0	-23.0	-22.0	-22.0	-20.0	-23.0	-16.0	-19.0
FRFLI	6.0	9.0	-5.0	-16.0	-17.0	-17.0	-11.0	-6.0	-4.0	-5.0	-11.0	-9.0	-2.0	-4.0	-6.0	-2.0	-1.0	-3.0	-1.0	-3.0	-9.0		

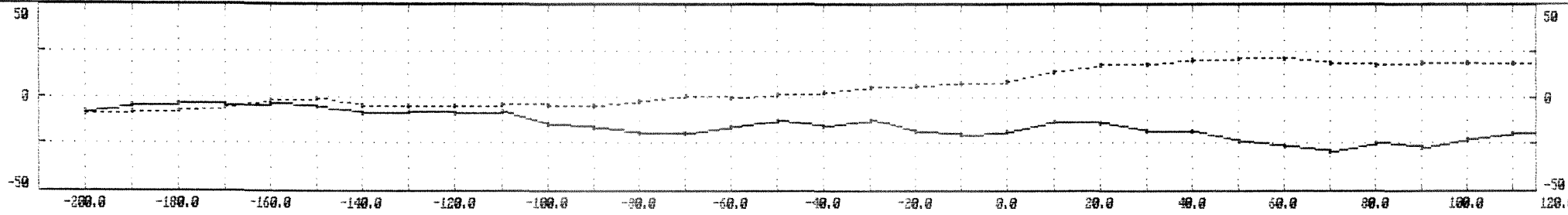


10.0	0	3.0	1.3	-5.3	-4.8	-6.1	-5.7	-2.4	-3.0	-1.3	-2.7	-4.4	-1.7	-0.6	-2.7	-1.2	-0.4	-0.6	-1.7	0.5	-2.4	-2.5	1.6
20.0	6	0.2	-2.6	-3.7	-10.2	-10.1	-7.7	-7.1	-3.9	-5.9	-6.1	-4.7	-4.8	-4.3	-1.6	-3.4	-2.9	-1.5	-0.3	-4.0	-2.2	-1.0	-3.0
30.0	2	-2.3	-4.2	-7.7	-9.1	-13.0	-12.0	-8.4	-9.4	-7.0	-6.6	-6.3	-8.4	-6.8	-5.3	-2.5	-4.3	-2.1	-4.5	-3.3	-2.6	-2.7	-1.6
40.0	2	-4.0	-8.1	-9.1	-9.7	-10.9	-13.2	-14.6	-13.0	-11.3	-7.2	-8.5	-7.2	-7.1	-8.2	-7.0	-3.1	-7.5	-4.5	-3.2	-3.9	-3.4	-3.7
50.0	9	-11.2	-7.8	-8.1	-10.6	-9.8	-13.3	-18.2	-16.2	-12.7	-13.8	-9.1	-8.4	-7.3	-8.4	-6.7	-8.9	-6.1	-6.8	-5.9	-4.2	-4.5	-4.2
60.0	3	-11.2	-13.4	-10.9	-9.4	-12.1	-13.1	-13.7	-17.6	-19.1	-14.9	-13.9	-9.5	-10.3	-7.4	-10.3	-8.9	-7.1	-5.9	-6.0	-7.1	-5.5	-5.6

# ONION GRID.

L. 2700S. VLF DATA (23.4khz)

0%	-9.0	-8.0	-7.0	-5.0	-2.0	-1.0	-4.0	-4.0	-4.0	-3.0	-4.0	-4.0	-2.0	1.0	0.0	2.0	3.0	5.0	6.0	8.0	9.0	14.0	18.0	18.0	20.0	21.0	21.0	19.0	18.0	19.0	19.0	19.0	19.0
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FFFLT	-5.0	0.0	1.0	7.0	9.0	3.0	0.0	6.0	15.0	13.0	6.0	-1.0	-10.0	-7.0	0.0	2.0	10.0	8.0	-7.0	-11.0	1.0	9.0	10.0	14.0	13.0	4.0	-3.0	-4.0	-10.0	-12.0	-3.0	-3.0	-3.0

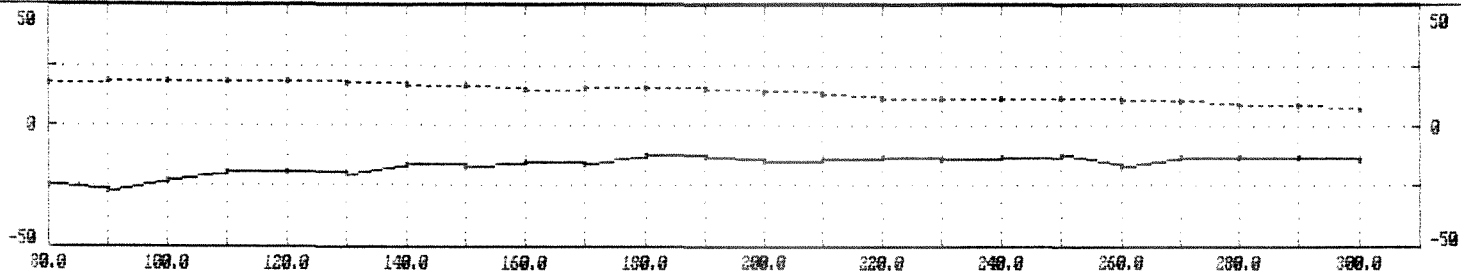


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20.0	-1.8	-2.7	-2.3	0.9	4.0	2.7	3.8	2.4	3.7	5.0	6.5	6.6	1.1	-1.8	-0.9	-3.6	1.1	4.9	1.1	0.7	-1.3	-0.1	0.4	7.2	6.8	5.2	3.5	2.3	-1.5	-5.5	-3.1	-4.0	20.0
30.0	-0.1	-1.1	-1.2	2.4	3.6	4.2	2.2	6.7	6.2	6.2	7.0	5.0	2.6	1.0	-2.0	0.1	2.3	2.8	2.8	-0.4	3.8	-0.6	1.7	3.9	9.5	6.2	5.5	2.1	-3.3	-4.5	-4.9	-4.5	30.0
40.0	2.1	2.0	2.2	-0.2	1.8	3.0	0.2	9.1	10.0	8.1	3.7	2.1	4.1	3.8	3.7	3.6	1.2	-2.1	-0.3	3.8	1.8	7.5	4.2	4.6	3.3	7.1	4.8	0.8	0.6	-2.2	-6.0	-7.0	40.0
50.0	3.8	5.0	2.6	2.5	1.0	6.1	3.6	10.6	9.9	8.6	5.6	5.7	4.0	6.0	7.6	2.1	-1.7	-2.4	0.1	1.3	7.5	6.1	10.4	4.2	4.4	2.5	3.1	2.0	1.0	-1.0	-3.8	-6.1	50.0
60.0	0.1	6.4	5.6	3.5	6.0	6.4	0.3	10.9	10.1	7.0	10.0	6.5	6.9	7.3	5.3	2.0	-1.0	0.0	-0.7	2.4	5.9	9.7	6.2	9.3	3.4	0.2	1.2	4.3	1.4	-1.1	-2.0	-4.7	60.0

# ONION GRID.

L.2700S. VLF DATA (23.4kHz)

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1%	-25.0	-27.0	-23.0	-19.0	-19.0	-20.0	-16.0	-17.0	-15.0	-16.0	-12.0	-13.0	-15.0	-14.0	-13.0	-14.0	-13.0	-12.0	-17.0	-13.0	-13.0	-13.0	-14.0
FRELT	-4.0	-10.0	-12.0	-3.0	-2.0	-6.0	-4.0	-2.0	-4.0	-5.0	0.0	4.0	-1.0	-2.0	0.0	-2.0	2.0	5.0	-3.0	-4.0	1.0		

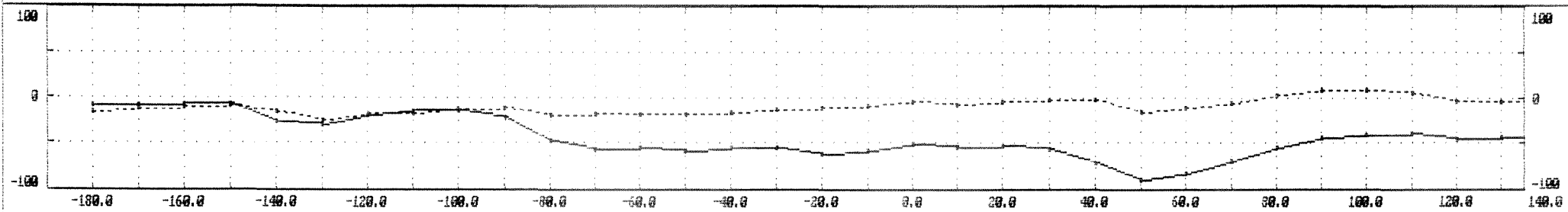


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20.0	15	-5.5	-3.1	-4.0	-4.8	-2.1	-2.6	-3.2	-3.0	-2.4	-0.4	-1.0	0.8	0.4	-1.6	-1.4	2.6	-0.3	-0.1	0.7	-1.5	0.9	1.6
30.0	13	-4.5	-4.9	-4.5	-5.2	-4.1	-2.1	-4.5	-5.1	-1.1	-2.0	-1.7	-1.0	0.3	-1.0	1.2	-0.8	0.0	-0.5	1.0	1.7	-1.0	1.6
40.0	16	-2.2	-6.0	-7.0	-5.9	-5.7	-5.1	-3.0	-2.0	-3.6	-2.6	-2.0	-1.0	-3.0	2.2	-0.1	-1.3	-0.0	0.5	0.2	1.4	2.1	0.0
50.0	10	-1.0	-3.8	-6.1	-7.1	-7.6	-8.3	-4.2	-2.1	-2.3	-2.9	-1.1	-3.0	0.5	-2.6	0.1	-0.9	-0.9	0.2	1.1	0.5	1.9	2.7
60.0	14	-1.1	-2.0	-4.7	-7.0	-8.7	-5.9	-6.6	-5.5	-2.5	-2.0	-3.2	1.6	-1.5	-0.6	-2.0	0.6	0.1	-0.5	0.2	1.3	1.6	2.2

# ONION GRID.

L.2600S, VLF DATA (23.4kHz)

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IX	-8.0	-8.0	-7.0	-7.0	-27.0	-30.0	-20.0	-13.0	-14.0	-21.0	-40.0	-56.0	-54.0	-50.0	-55.0	-55.0	-62.0	-50.0	-51.0	-54.0	-52.0	-56.0	-70.0	-69.0	-82.0	-69.0	-55.0	-44.0	-40.0	-39.0	-45.0	-44.0	-40.0
FRELI	-2.0	19.0	43.0	16.0	-24.0	-23.0	2.0	22.0	69.0	41.0	9.0	3.0	-2.0	4.0	10.0	-9.0	-15.0	-3.0	3.0	20.0	51.0	45.0	-8.0	-47.0	-52.0	-40.0	-20.0	0.0	10.0	0.0	-15.0	-10.0	

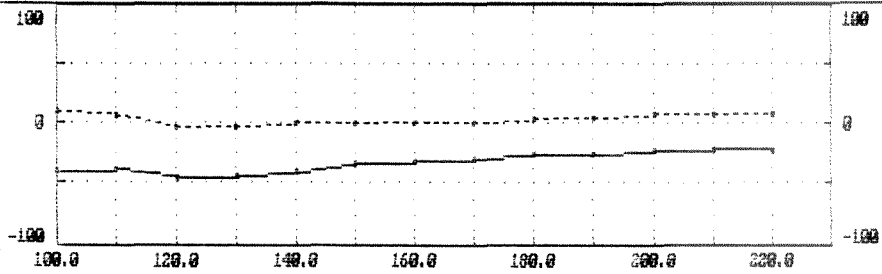


10.0	-0.2	1.5	0.5	11.1	12.6	-3.6	-7.3	-0.7	5.5	20.0	21.9	5.4	4.2	2.0	-2.0	3.6	1.5	-6.4	-1.6	1.5	3.2	11.2	10.3	6.3	-11.6	-15.6	-16.6	-10.4	-4.8	1.3	1.3	-3.3	10.0
20.0	-0.4	-1.5	10.6	13.4	11.0	7.5	-5.0	-2.8	19.0	27.4	23.9	21.1	4.3	1.4	8.2	3.7	9.1	2.9	-3.6	-2.0	9.5	17.9	14.3	5.9	-8.3	-25.3	-23.3	-16.4	-7.0	-4.1	-4.3	-6.2	20.0
30.0	0.4	14.6	16.8	10.8	5.6	6.0	10.0	14.3	16.6	20.6	27.9	25.9	22.2	9.8	4.9	2.6	2.2	0.6	1.3	3.0	15.7	17.1	8.3	1.3	-8.5	-19.3	-30.3	-21.9	-14.5	-7.8	-5.9	-6.9	30.0
40.0	15.6	17.1	9.4	4.8	6.3	9.6	24.7	29.5	16.5	17.7	23.4	29.0	33.0	25.4	3.6	-1.0	-3.0	-3.0	10.6	22.9	14.7	8.6	1.2	-7.7	-8.2	-11.3	-16.2	-27.2	-26.2	-21.7	-13.3	-7.9	40.0
50.0	15.6	10.1	5.6	5.0	9.3	24.4	20.8	29.9	34.5	20.7	17.0	25.6	25.2	19.2	18.4	3.7	1.6	10.5	10.6	14.6	7.9	-2.5	-5.6	-3.8	-7.1	-5.0	-8.2	-18.4	-33.1	-29.8	-24.5	-18.2	50.0
60.0	9.5	5.4	5.0	9.9	25.9	22.3	31.1	21.0	29.4	20.0	19.4	14.3	16.9	23.2	21.0	20.1	14.0	20.1	16.2	6.3	0.1	-5.5	-11.9	-10.0	-1.7	-3.1	-4.4	-10.7	-22.1	-35.5	-33.0	-26.0	60.0

# ONION GRID.

L. 2600S. VLF DATA (23.4khz)

QZ	9.0	6.0	-3.0	-4.0	0.0	1.0	1.0	0.0	3.0	3.0	7.0	7.0	7.0
LX	-40.0	-39.0	-45.0	-44.0	-40.0	-34.0	-32.0	-29.0	-27.0	-27.0	-23.0	-21.0	-22.0
FRELT	0.0	10.0	0.0	-15.0	-18.0	-13.0	-10.0	-7.0	-5.0	-10.0	-7.0		

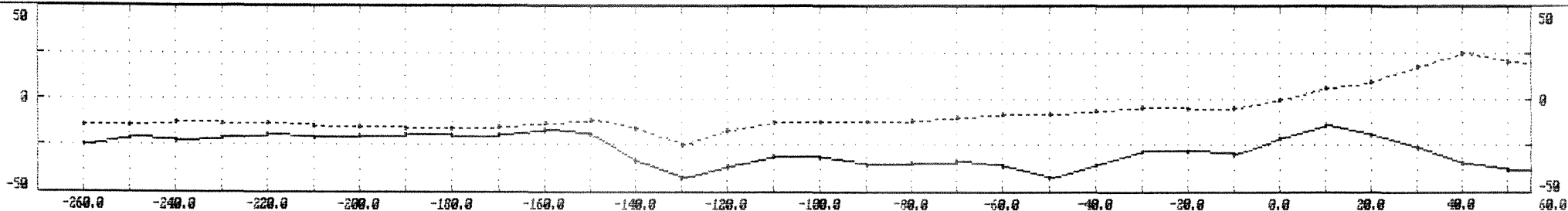


10.0	0	1.3	1.8	-3.3	-5.9	-5.4	-3.3	-4.1	-1.9	-2.3	-3.9	-0.9	-0.5	10.0
20.0	0	-4.1	-4.3	-6.2	-9.8	-10.1	-7.8	-4.4	-6.5	-6.2	-4.3	-4.4	-2.5	20.0
30.0	5	-7.8	-5.9	-6.9	-10.6	-15.0	-13.5	-12.2	-8.5	-6.5	-5.5	-5.8	-6.3	30.0
40.0	2	-21.7	-13.3	-7.9	-7.2	-7.8	-15.7	-18.9	-15.6	-11.5	-9.1	-6.9	-6.1	40.0
50.0	1	-29.8	-24.5	-18.2	-10.9	-9.1	-10.4	-13.8	-15.0	-15.3	-14.6	-13.3	-10.5	50.0
60.0	1	-35.5	-33.0	-26.0	-20.2	-15.0	-12.1	-10.5	-14.1	-15.1	-14.0	-12.1	-13.2	60.0

# ONION GRID.

L.2500S, ULF DATA (23.4kHz)

QZ	-14.0	-14.0	-12.0	-13.0	-13.0	-15.0	-15.0	-16.0	-16.0	-15.0	-13.0	-11.0	-16.0	-25.0	-17.0	-12.0	-12.0	-12.0	-11.0	-10.0	-8.0	-8.0	-6.0	-4.0	-5.0	-4.0	0.0	6.0	10.0	18.0	25.0	20.0	17.0
IX	-25.0	-21.0	-23.0	-21.0	-19.0	-21.0	-20.0	-19.0	-20.0	-19.0	-17.0	-19.0	-33.0	-42.0	-36.0	-31.0	-32.0	-35.0	-34.0	-33.0	-36.0	-42.0	-35.0	-20.0	-20.0	-30.0	-21.0	-14.0	-19.0	-26.0	-34.0	-30.0	-36.0
FRFLI	-2.0	-4.0	-4.0	1.0	-1.0	-2.0	0.0	-3.0	-3.0	16.0	39.0	25.0	-9.0	-15.0	0.0	6.0	0.0	0.0	11.0	9.0	-15.0	-21.0	-5.0	-5.0	-23.0	-10.0	10.0	27.0	27.0	14.0	-6.0	-9.0	

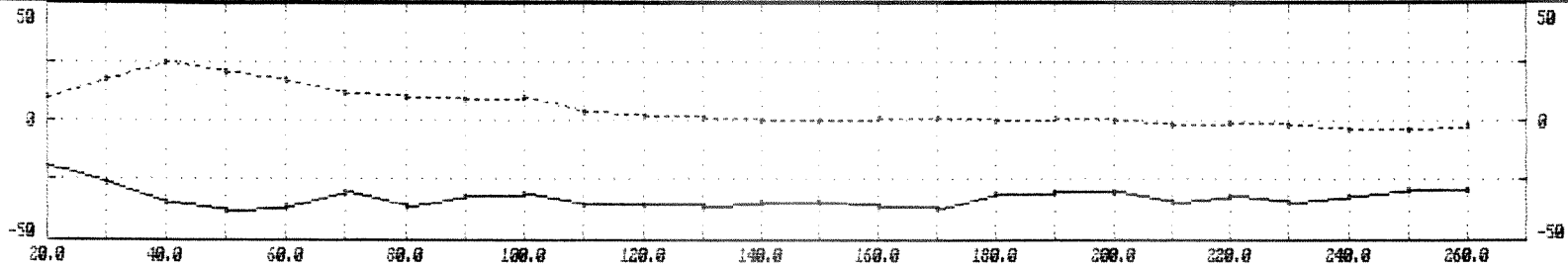


10.0	-3.3	-1.4	-0.2	-2.3	0.0	3.4	-1.4	-0.1	0.0	-0.4	1.6	3.3	13.0	2.5	-4.5	-1.7	1.4	1.0	-0.2	1.0	4.3	-0.9	-7.7	-4.7	-0.9	-4.7	-0.6	-0.3	6.8	3.5	7.4	2.6	10.0
20.0	-0.8	-3.1	-3.2	0.0	-2.2	-1.8	1.7	1.1	-1.2	-0.2	7.7	13.6	11.4	7.2	0.1	-2.4	0.5	2.0	1.3	2.9	-0.7	-4.2	-5.0	-6.5	-6.9	-6.4	-5.0	-4.1	6.9	13.9	9.0	1.7	20.0
30.0	-0.8	-3.1	-2.8	-1.1	1.6	0.2	-0.8	-1.6	-1.0	7.6	13.4	9.5	8.0	9.2	3.7	0.0	-5.0	-0.4	5.0	2.6	-2.3	-2.3	-1.3	-7.9	-15.8	-8.9	-1.4	3.8	4.6	8.1	8.2	9.1	30.0
40.0	0.7	1.8	-0.2	-2.4	-1.7	-0.4	-2.4	-0.1	3.9	12.9	9.3	6.2	6.0	0.7	8.4	6.6	1.2	-0.1	0.6	0.5	0.2	-0.7	-5.2	-9.7	-10.0	-9.4	-0.8	6.2	5.0	0.3	8.6	10.0	40.0
50.0	3.1	1.5	-0.6	-1.7	-3.0	-2.7	1.2	7.0	12.4	10.1	6.0	5.4	7.3	6.8	7.3	11.0	14.6	2.7	-6.9	-3.2	-0.4	-6.2	-10.3	-6.2	-2.2	0.6	-0.7	0.9	0.6	3.8	1.1	5.9	50.0
60.0	3.1	0.9	1.1	0.5	-2.4	-3.2	5.6	13.1	7.4	4.6	7.1	3.7	9.3	9.2	10.6	14.0	11.2	5.3	-2.0	-6.4	-9.1	-8.7	-6.9	-4.5	1.7	5.1	1.2	-5.9	1.8	3.8	1.5	1.3	60.0

# ONION GRID.

L. 2500S, ULF DATA (23.4kHz)

9%	19.0	18.0	25.0	20.0	17.0	12.0	10.0	9.0	10.0	4.0	2.0	1.0	0.0	0.0	1.0	1.0	0.0	1.0	0.0	-2.0	-1.0	-2.0	-3.0	-3.0	-2.0
IX	-19.0	-26.0	-34.0	-39.0	-36.0	-30.0	-36.0	-32.0	-31.0	-35.0	-35.0	-36.0	-34.0	-34.0	-36.0	-37.0	-31.0	-30.0	-30.0	-34.0	-32.0	-34.0	-32.0	-29.0	-29.0
FRFLT	27.0	27.0	14.0	-6.0	-9.0	2.0	-3.0	-2.0	7.0	5.0	0.0	-3.0	0.0	5.0	-2.0	-12.0	-9.0	3.0	6.0	2.0	0.0	-5.0	-9.0		

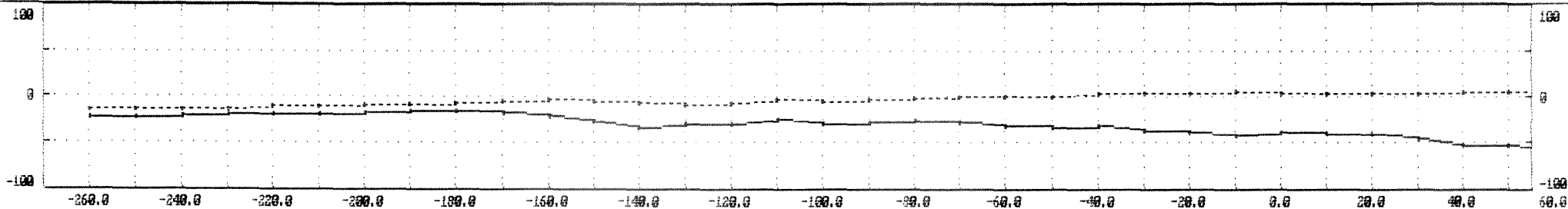


10.0	0	6.5	7.4	2.6	-4.0	0.0	1.1	-3.2	2.4	1.0	0.6	0.0	-1.0	0.7	1.2	-3.0	-3.6	-0.0	1.0	1.0	-0.2	0.2	-3.3	-1.0	-1.3
20.0	9	13.9	9.0	1.7	1.8	-1.7	-1.3	3.7	-0.2	1.9	1.2	-0.9	-0.1	1.1	-1.3	-2.2	-3.6	-2.4	0.3	2.1	0.3	-3.9	-2.2	-3.8	-3.6
30.0	6	8.1	8.2	9.1	3.2	-2.2	-1.9	0.0	4.9	0.1	2.2	2.6	1.1	-2.8	-3.5	-2.9	-0.3	-2.3	-2.4	-0.2	-1.4	-1.2	-4.6	-4.5	-6.6
40.0	0	0.3	9.6	10.0	5.9	3.6	-0.8	-1.9	-1.4	2.4	1.4	4.6	1.3	-2.9	-3.4	-2.3	-2.3	-0.3	-3.3	-5.1	-1.8	-2.5	-3.1	-6.2	-6.1
50.0	6	3.8	1.1	5.9	11.6	8.2	5.5	-0.4	-4.1	-1.8	3.1	-3.4	-1.5	0.2	0.7	-1.3	-1.2	-2.3	-4.5	-5.3	-6.0	-4.0	-4.0	-4.7	-8.0
60.0	0	3.8	1.5	1.8	7.7	12.8	8.4	3.4	0.1	-1.6	-4.7	-2.9	-5.4	0.2	0.0	-1.1	-1.5	-3.4	-2.5	-4.3	-7.1	-8.6	-5.9	-5.4	-7.0

# ONION GRID.

L.2400S, ULF DATA (23.4kHz)

QZ	-13.0	-13.0	-13.0	-13.0	-11.0	-11.0	-9.0	-8.0	-7.0	-5.0	-3.0	-5.0	-6.0	-8.0	-6.0	-4.0	-5.0	-3.0	-2.0	0.0	1.0	1.0	3.0	4.0	4.0	5.0	3.0	4.0	3.0	4.0	5.0	6.0	8.0
IZ	-23.0	-22.0	-21.0	-20.0	-20.0	-17.0	-17.0	-16.0	-16.0	-17.0	-21.0	-27.0	-33.0	-30.0	-29.0	-24.0	-29.0	-20.0	-27.0	-20.0	-31.0	-34.0	-32.0	-36.0	-30.0	-42.0	-39.0	-40.0	-41.0	-45.0	-52.0	-52.0	-61.0
FRFLI	-4.0	-3.0	-2.0	-4.0	-6.0	-4.0	0.0	6.0	15.0	22.0	15.0	-1.0	-10.0	-6.0	4.0	2.0	-2.0	4.0	10.0	7.0	3.0	0.0	12.0	7.0	-1.0	0.0	7.0	16.0	10.0	16.0	26.0	27.0	

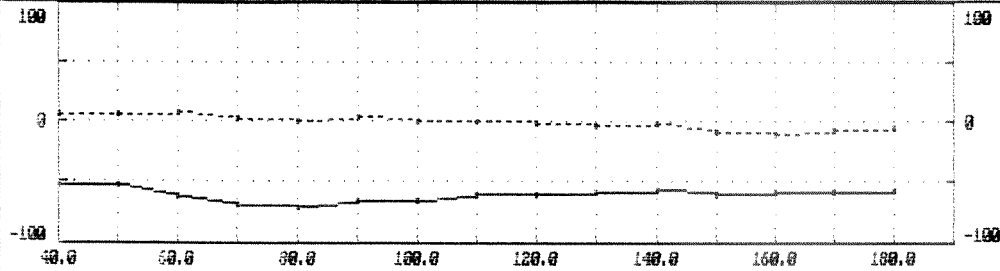


10.0	-1.2	-1.2	-1.5	-1.8	-0.9	-2.0	-1.8	-0.3	1.1	3.0	6.0	7.0	1.9	-1.3	-3.0	-0.5	2.2	-1.2	0.9	2.2	3.9	1.2	2.1	3.7	3.6	1.2	-0.4	2.4	3.1	7.7	5.7	6.7	10.0
20.0	-1.3	-2.5	-1.8	-1.7	-2.0	-1.6	-1.2	-0.7	2.3	5.9	9.7	7.7	4.7	-1.1	-1.1	0.6	0.1	2.9	1.5	3.9	3.3	5.3	4.4	5.5	5.9	4.0	3.6	4.3	9.9	8.1	12.1	13.7	20.0
30.0	-0.9	-1.0	-1.6	-1.6	-2.2	-2.2	-2.1	0.7	4.4	9.1	7.9	7.8	4.8	5.0	1.4	-2.2	0.9	2.9	7.7	3.0	5.7	7.2	9.4	6.7	6.5	7.9	7.1	9.7	6.5	13.6	17.1	18.3	30.0
40.0	1.5	0.0	-2.1	-4.1	-3.4	-2.3	0.5	4.7	8.0	7.0	7.3	5.2	8.2	7.3	4.3	1.4	-0.3	3.4	4.2	9.6	9.2	12.3	10.5	9.0	7.0	6.7	11.0	10.3	13.7	16.8	19.5	15.0	40.0
50.0	0.5	-1.1	-2.7	-3.2	-3.1	0.3	4.2	7.9	7.2	6.8	4.6	7.9	7.9	7.1	7.3	7.2	5.7	2.1	6.9	8.6	13.0	9.0	9.5	10.0	11.2	12.9	11.2	17.0	19.4	19.6	14.7	15.0	50.0
60.0	-0.3	-1.1	-1.4	-0.8	0.3	2.5	7.7	6.9	6.3	4.0	7.0	7.1	0.1	0.8	11.4	13.2	9.0	7.7	5.0	9.4	6.9	9.9	7.5	11.4	15.3	16.0	19.2	21.6	23.0	17.3	15.5	10.2	60.0

# ONION GRID.

L.2400S. ULF DATA (23.4kHz)

QZ	5.0	6.0	8.0	2.0	0.0	3.0	0.0	0.0	-2.0	-4.0	-2.0	-9.0	-11.0	-6.0	-5.0
IX	-52.0	-52.0	-61.0	-69.0	-71.0	-65.0	-65.0	-59.0	-60.0	-58.0	-56.0	-59.0	-58.0	-58.0	-57.0
FRFLT	16.0	26.0	27.0	6.0	-10.0	-12.0	-11.0	-6.0	-5.0	-3.0	3.0	1.0	-2.0		

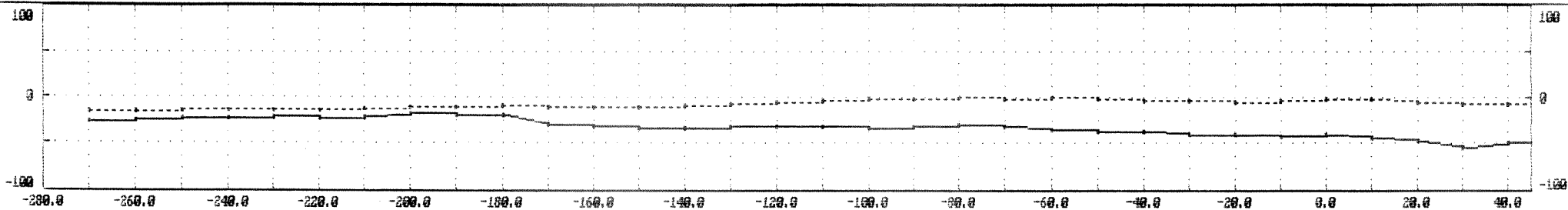


10.0	7	6.7	10.5	6.2	-1.0	-2.9	-3.0	-3.9	-0.6	-3.0	0.6	0.0	-0.0	-0.4	-1.2
20.0	1	13.7	11.4	8.3	3.3	-4.5	-5.3	-2.7	-4.7	-0.9	-2.2	-0.9	-0.3	-1.9	-1.9
30.0	1	18.3	12.3	8.3	4.7	0.4	-4.9	-7.3	-2.1	-2.9	0.5	-1.9	-2.0	-1.0	-3.3
40.0	5	15.8	15.1	9.1	5.8	4.2	-2.1	-5.1	-6.1	-2.8	-3.0	0.0	-1.5	-1.2	-1.4
50.0	7	15.0	11.9	12.1	8.8	3.6	4.8	-0.6	-5.4	-7.1	-4.1	-4.2	-0.8	-1.4	-1.0
60.0	5	10.2	12.7	11.7	9.3	9.1	4.8	4.9	-1.2	-6.4	-7.6	-4.8	-5.0	-2.5	-2.6

# ONION GRID.

L.2300S, ULF DATA (23.4kHz)

QZ	-15.0	-15.0	-14.0	-14.0	-13.0	-13.0	-12.0	-11.0	-10.0	-9.0	-10.0	-11.0	-10.0	-8.0	-7.0	-5.0	-4.0	-2.0	-1.0	0.0	-1.0	0.0	-2.0	-3.0	-4.0	-5.0	-3.0	-2.0	-2.0	-5.0	-6.0	-7.0	-9.0
IX	-27.0	-24.0	-23.0	-22.0	-21.0	-22.0	-21.0	-17.0	-20.0	-20.0	-29.0	-32.0	-34.0	-33.0	-32.0	-32.0	-31.0	-33.0	-32.0	-29.0	-31.0	-35.0	-37.0	-37.0	-41.0	-41.0	-42.0	-41.0	-44.0	-47.0	-54.0	-50.0	-52.0
FRELI	-6.0	-4.0	-2.0	0.0	-5.0	-6.0	2.0	12.0	21.0	17.0	6.0	-1.0	-3.0	-2.0	0.0	2.0	-3.0	-5.0	5.0	12.0	9.0	6.0	9.0	5.0	1.0	2.0	9.0	15.0	13.0	1.0	-2.0		

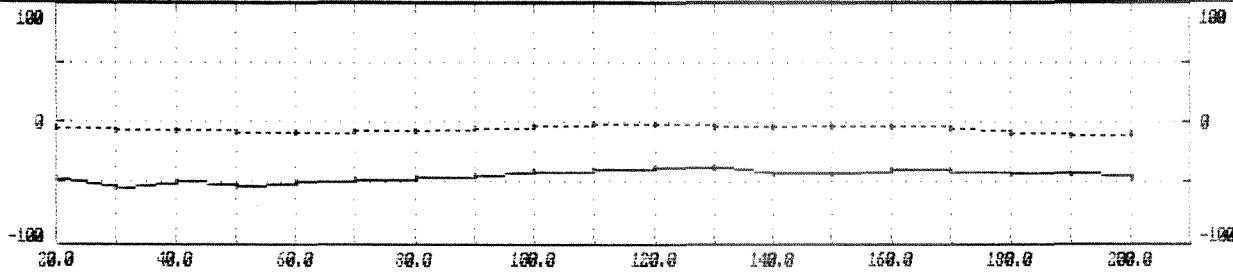


10.0	-2.9	-2.4	-1.5	-1.6	-0.6	0.0	-3.0	0.4	2.2	5.5	7.5	3.3	1.6	-0.9	-0.3	-0.0	0.2	0.6	-1.9	-0.1	3.5	3.0	1.0	3.0	2.6	1.0	0.0	2.1	3.6	6.1	2.1	-0.9	10.0
20.0	-1.9	-4.2	-3.3	-0.9	-0.5	-2.3	-0.2	-0.8	4.6	0.8	0.2	7.5	2.2	0.5	-0.7	1.7	1.0	-1.3	0.4	1.6	3.2	4.9	6.3	4.1	4.3	3.7	2.8	4.1	7.2	5.4	4.3	1.4	20.0
30.0	-1.1	-1.7	-2.2	-1.5	-2.8	-0.9	-0.8	4.4	5.5	7.2	0.9	6.9	7.4	2.0	1.4	0.0	-0.3	1.4	3.4	4.4	3.2	6.6	7.7	7.4	3.9	4.4	5.7	7.5	5.6	5.9	5.1	2.1	30.0
40.0	1.3	0.6	-1.0	-5.4	-2.9	-1.1	4.4	6.2	7.9	6.7	6.7	0.8	7.0	0.3	2.7	-0.9	-0.6	2.4	5.4	5.6	0.3	6.7	6.3	7.1	7.0	6.5	9.3	6.8	6.0	5.6	4.3	3.8	40.0
50.0	2.7	0.6	-2.0	-2.3	-3.8	2.5	6.3	7.9	7.9	0.4	7.4	6.9	9.8	7.6	5.7	2.8	3.1	3.2	3.7	6.2	6.0	7.4	5.9	7.7	10.9	12.8	0.7	0.8	7.5	4.3	3.5	1.3	50.0
60.0	2.3	-0.4	0.3	-0.5	2.6	4.0	6.6	7.0	7.7	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	3.1	3.6	4.3	5.4	4.8	7.7	9.1	14.0	13.6	13.4	10.4	7.2	5.0	1.0	60.0

# ONION GRID.

L.2300S. VLF DATA (23.4kHz)

QZ -5.0 -6.0 -7.0 -9.0 -9.0 -7.0 -6.0 -5.0 -4.0 -2.0 -2.0 -3.0 -3.0 -3.0 -3.0 -5.0 -8.0 -11.0 -8.0  
 LX -47.0 -54.0 -50.0 -52.0 -50.0 -48.0 -46.0 -43.0 -41.0 -39.0 -37.0 -36.0 -42.0 -42.0 -39.0 -40.0 -42.0 -42.0 -45.0  
 FRFLI 13.0 1.0 -2.0 -4.0 -8.0 -9.0 -10.0 -9.0 -8.0 -7.0 2.0 11.0 3.0 -5.0 1.0 5.0 5.0

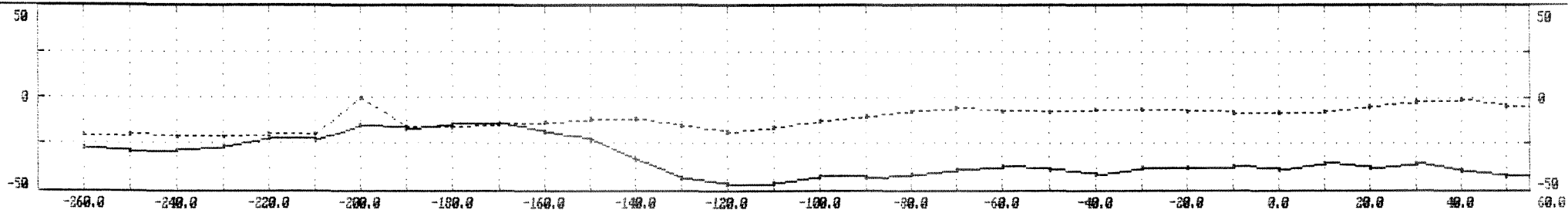


10.0	1	2.1	-0.9	0.3	-3.1	-2.6	-3.6	-3.6	-3.9	-2.2	-1.8	2.4	3.4	-1.4	-0.5	2.0	1.3	2.3	3.4	10.0
20.0	4	4.3	1.4	-3.6	-2.3	-5.0	-4.8	-5.3	-5.7	-4.8	0.2	1.2	1.0	2.5	0.3	0.5	4.5	5.2	4.4	20.0
30.0	9	5.1	2.1	0.1	-5.8	-4.8	-7.2	-6.5	-6.3	-1.7	-0.8	-0.9	0.5	2.8	3.5	2.0	3.3	6.3	7.4	30.0
40.0	16	4.3	3.8	0.7	-2.7	-7.9	-6.4	-8.1	-3.4	-1.8	-2.5	-0.3	1.6	1.9	5.1	6.4	4.2	5.4	8.3	40.0
50.0	3	3.5	1.3	0.9	-1.4	-3.5	-8.2	-2.7	-4.1	-4.4	-2.9	-0.1	1.3	4.4	6.2	8.0	8.8	6.8	7.6	50.0
60.0	8	1.0	1.0	-0.3	-0.6	-2.4	-0.9	-4.4	-3.5	-4.1	-2.3	-1.1	2.0	4.8	6.8	9.0	11.2	12.5	9.8	60.0

# ONION GRID.

L.2200S. ULF DATA (23.4khz)

Q%	-20.0	-19.0	-21.0	-21.0	-19.0	-19.0	0.0	-16.0	-16.0	-14.0	-13.0	-11.0	-11.0	-15.0	-18.0	-16.0	-12.0	-10.0	-7.0	-5.0	-7.0	-7.0	-6.0	-6.0	-7.0	-8.0	-8.0	-7.0	-4.0	-2.0	-1.0	-4.0	-4.0
IX	-27.0	-29.0	-28.0	-26.0	-22.0	-23.0	-15.0	-17.0	-14.0	-14.0	-18.0	-23.0	-33.0	-43.0	-47.0	-46.0	-42.0	-43.0	-41.0	-39.0	-37.0	-39.0	-41.0	-38.0	-38.0	-37.0	-39.0	-35.0	-38.0	-35.0	-40.0	-42.0	-44.0
FRFLI	-2.0	-9.0	-9.0	-10.0	-13.0	-7.0	-4.0	1.0	13.0	24.0	35.0	34.0	17.0	-2.0	-8.0	-4.0	-5.0	-8.0	-4.0	4.0	3.0	-4.0	-4.0	0.0	-1.0	-3.0	-1.0	2.0	9.0	11.0	1.0	-11.0	

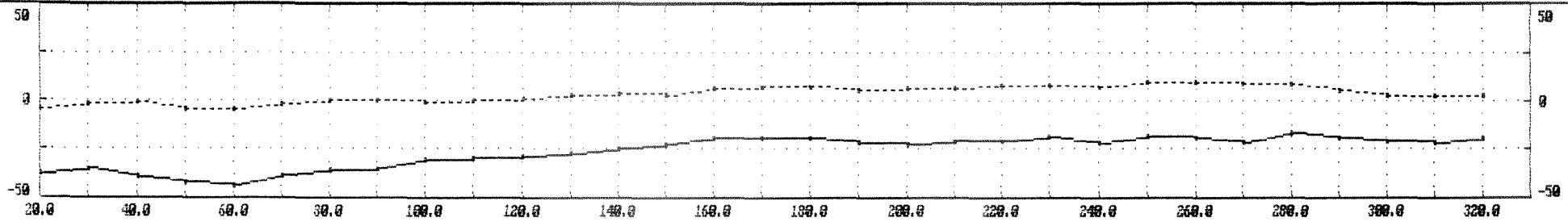


10.0	1.1	3.1	-1.8	-4.2	-3.1	-4.8	-4.1	-0.4	-1.9	3.7	6.6	10.1	12.8	8.9	3.2	-2.0	-1.7	-1.2	-2.7	-2.1	-0.5	2.0	-0.8	-1.4	-0.9	0.4	-1.4	-0.2	0.5	1.2	4.0	1.3	10.0
20.0	-0.5	-1.2	-3.5	-4.2	-7.4	-4.5	-3.3	-3.4	3.0	4.2	10.8	16.6	17.3	13.4	6.0	1.6	-1.3	-2.2	-1.9	-2.4	-0.6	-1.3	0.3	-1.7	-1.3	-1.1	0.8	-1.4	-0.3	3.5	2.8	1.5	20.0
30.0	-1.5	-3.3	-1.8	-5.5	-4.7	-5.7	-5.2	-1.5	0.5	10.3	14.4	18.3	17.7	14.1	11.4	5.4	-1.6	-3.9	-2.1	1.8	-1.1	-0.3	-1.0	1.3	-2.9	-2.5	-2.9	0.1	2.2	2.2	1.4	-2.3	30.0
40.0	-2.0	-0.2	-4.4	-3.4	-6.3	-7.9	-5.5	-1.7	6.2	11.6	18.6	16.7	15.9	16.1	12.5	8.7	2.5	-2.4	-2.1	-2.6	0.5	-0.3	1.1	-0.8	0.2	-3.3	-2.1	0.5	2.0	-0.4	-3.2	-1.4	40.0
50.0	-0.6	-5.6	-4.8	-7.1	-7.3	-5.4	-3.2	3.1	9.7	14.3	13.2	15.7	14.6	15.6	13.9	11.2	8.9	5.1	-2.9	-4.9	-5.1	-1.2	-3.8	0.1	-0.3	3.0	2.3	1.0	-1.2	-3.3	-2.9	-5.5	50.0
60.0	-6.8	-6.2	-8.1	-7.7	-4.8	-2.2	3.4	7.9	11.1	11.1	11.3	11.2	15.1	13.3	13.9	14.7	12.9	8.6	1.7	-4.7	-6.2	-7.5	-3.0	-5.2	0.0	2.7	5.5	1.9	-1.3	-0.7	-3.9	-5.3	60.0

# ONION GRID.

L.2200S, ULF DATA (23.4kHz)

W	-4.0	-2.0	-1.0	-4.0	-4.0	-2.0	0.0	0.0	-1.0	0.0	1.0	3.0	4.0	3.0	6.0	7.0	7.0	5.0	6.0	6.0	3.0	3.0	7.0	10.0	10.0	9.0	9.0	5.0	3.0	3.0	3.0
IX	-30.0	-35.0	-40.0	-42.0	-44.0	-39.0	-36.0	-35.0	-31.0	-30.0	-29.0	-27.0	-25.0	-23.0	-19.0	-19.0	-19.0	-22.0	-23.0	-21.0	-21.0	-18.0	-22.0	-18.0	-19.0	-22.0	-17.0	-19.0	-21.0	-22.0	-19.0
FRFLT	2.0	9.0	11.0	1.0	-11.0	-12.0	-9.0	-10.0	-7.0	-5.0	-7.0	-8.0	-10.0	-10.0	-4.0	3.0	7.0	3.0	-3.0	-5.0	-2.0	1.0	-3.0	1.0	2.0	-5.0	1.0	7.0	1.0		

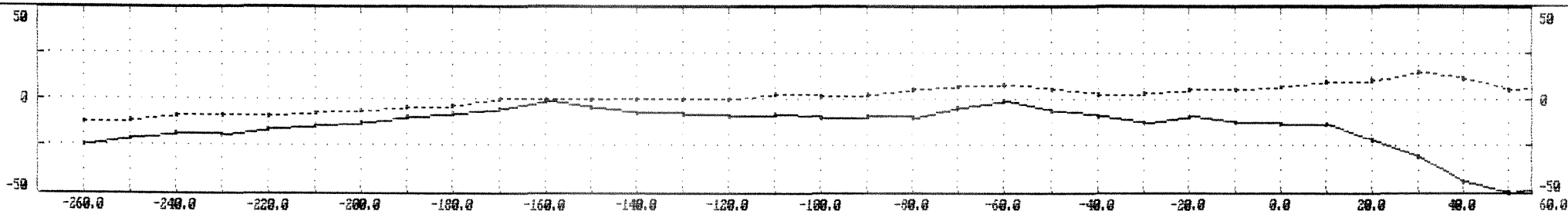


10.0	1.5	1.2	4.0	1.3	-1.4	-5.0	-2.7	-3.0	-3.6	-1.0	-2.6	-3.1	-2.8	-3.9	-2.4	-0.1	1.2	2.3	-0.0	-0.6	-2.0	0.3	0.2	-2.3	2.6	-1.3	-1.4	2.2	1.2	-1.0	-2.2
20.0	1.3	3.5	2.8	1.5	-2.9	-4.4	-8.0	-5.4	-4.9	-5.9	-4.9	-4.7	-6.2	-5.4	-4.0	-1.4	1.8	0.5	0.3	-2.3	-0.8	-1.7	-0.6	2.4	-3.2	0.0	0.9	-0.2	0.6	-0.5	-2.5
30.0	1.2	2.2	1.4	-2.3	-0.9	-6.5	-7.8	-9.7	-6.8	-6.3	-6.7	-7.7	-7.9	-7.0	-4.4	-2.1	-2.0	0.2	-1.3	0.9	-2.6	-2.9	-0.1	-2.4	0.5	-0.7	1.7	-0.8	-2.6	-0.5	-1.8
40.0	1.0	-0.4	-3.2	-1.4	-5.0	-3.7	-6.8	-9.2	-11.3	-10.1	-10.3	-9.5	-7.3	-4.6	-4.9	-4.7	-3.9	-4.1	0.7	-1.8	-1.2	-1.3	-4.7	-2.3	-1.0	1.6	-1.9	-0.3	-1.4	-4.0	-1.6
50.0	1.2	-3.3	-2.9	-5.5	-3.8	-6.0	-5.5	-9.1	-11.9	-15.4	-11.8	-10.7	-8.1	-4.9	-4.9	-5.4	-5.6	-3.1	-4.8	-2.4	-0.2	-2.8	-3.5	-2.6	-1.1	-2.7	-1.4	-3.7	-1.7	-2.5	-4.7
60.0	1.3	-0.7	-3.9	-5.3	-7.1	-6.3	-8.6	-7.9	-13.2	-13.8	-14.7	-10.3	-8.4	-9.1	-6.4	-7.5	-5.0	-6.1	-4.0	-1.8	-3.1	-2.3	-1.5	-2.3	-4.3	-3.7	-4.1	-2.8	-5.4	-3.3	-4.1

# ONION GRID.

L. 2100S, VLF DATA (23.4khz)

QZ	-12.0	-11.0	-9.0	-9.0	-9.0	-7.0	-6.0	-4.0	-3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	2.0	3.0	5.0	7.0	8.0	5.0	3.0	4.0	5.0	5.0	7.0	10.0	11.0	15.0	12.0	5.0	9.0
IX	-25.0	-21.0	-18.0	-19.0	-16.0	-14.0	-12.0	-10.0	-8.0	-5.0	-1.0	-4.0	-7.0	-8.0	-9.0	-8.0	-10.0	-9.0	-10.0	-4.0	-1.0	-6.0	-9.0	-12.0	-9.0	-12.0	-13.0	-13.0	-22.0	-31.0	-44.0	-50.0	-45.0
FRELI		-9.0	-4.0	-7.0	-9.0	-9.0	-8.0	-9.0	-12.0	-9.0	5.0	10.0	5.0	2.0	1.0	2.0	1.0	-5.0	-14.0	-7.0	10.0	14.0	6.0	0.0	4.0	5.0	10.0	27.0	40.0	41.0	20.0	-7.0	-15

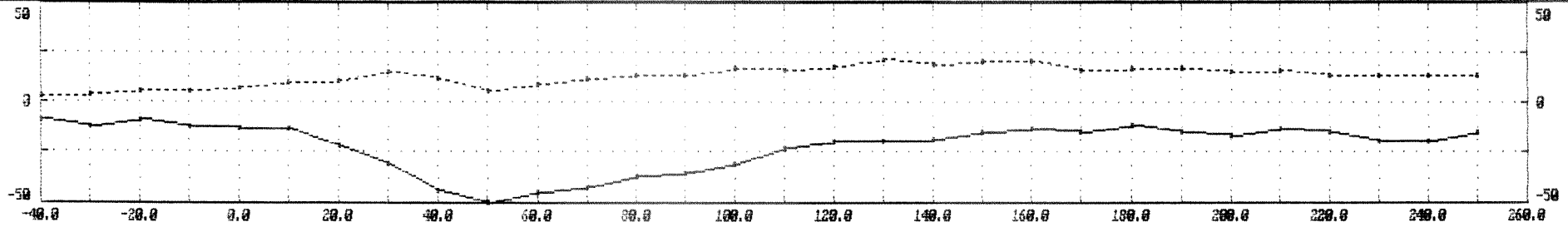


10.0	-3.7	-4.3	-2.0	-2.0	-3.6	-2.7	-3.2	-3.2	-3.2	-4.1	-0.7	3.3	2.1	1.6	0.3	0.8	0.1	-0.6	-2.5	-5.0	1.5	3.9	3.7	0.9	0.5	3.5	1.7	7.5	12.1	13.4	12.3	1.4	10.0
20.0	-3.9	-5.1	-5.4	-4.6	-4.8	-6.5	-5.3	-5.5	-6.6	-4.1	-1.0	1.3	4.2	1.4	0.4	0.7	1.7	-1.3	-4.8	-1.5	-0.1	4.8	5.5	5.1	4.5	3.8	9.7	12.1	18.1	21.3	13.7	6.0	20.0
30.0	-1.7	-5.4	-7.8	-7.0	-5.6	-5.3	-8.2	-9.2	-7.0	-3.7	-2.5	-0.9	0.5	4.7	3.0	1.3	-2.5	-4.4	-0.4	1.3	4.2	2.9	8.1	9.1	5.4	7.3	10.7	19.7	21.6	18.4	16.3	0.7	30.0
40.0	-0.8	-3.4	-5.9	-9.0	-8.6	-8.3	-9.0	-8.5	-6.0	-4.3	-2.8	-1.9	0.4	1.8	4.7	-0.7	-2.8	0.2	2.6	5.0	2.3	4.1	3.3	5.7	12.2	13.6	19.1	20.6	19.2	16.4	13.2	13.1	40.0
50.0	0.7	-2.1	-5.2	-9.0	-12.1	-13.1	-8.9	-5.3	-5.2	-3.0	-2.4	-0.9	-1.0	1.2	0.2	2.1	4.0	3.7	3.8	0.6	1.8	0.9	1.3	5.8	14.9	24.3	24.6	20.0	17.0	15.0	12.6	10.3	50.0
60.0	1.5	-2.0	-5.2	-8.0	-11.7	-11.4	-8.6	-5.3	-2.9	-4.4	-1.0	0.2	2.9	0.6	-1.0	2.9	5.4	4.2	-0.2	0.1	3.2	0.6	4.8	10.6	17.0	25.4	24.4	20.6	16.9	13.5	13.0	6.6	60.0

# ONION GRID.

L.2100S. VLF DATA (23.4khz)

QZ	3.0	4.0	5.0	5.0	7.0	10.0	11.0	15.0	12.0	5.0	9.0	12.0	13.0	13.0	17.0	16.0	18.0	21.0	19.0	20.0	20.0	16.0	17.0	17.0	15.0	16.0	13.0	13.0	13.0	13.0
IZ	-9.0	-12.0	-9.0	-12.0	-13.0	-13.0	-22.0	-31.0	-44.0	-50.0	-45.0	-42.0	-37.0	-35.0	-31.0	-29.0	-19.0	-19.0	-18.0	-15.0	-13.0	-15.0	-11.0	-15.0	-17.0	-13.0	-15.0	-19.0	-19.0	-15.0
FRFLI	6.0	0.0	4.0	5.0	10.0	27.0	40.0	41.0	20.0	-7.0	-16.0	-15.0	-13.0	-18.0	-24.0	-16.0	-5.0	-5.0	-9.0	-5.0	-2.0	-2.0	6.0	4.0	-4.0	4.0	10.0	0.0		

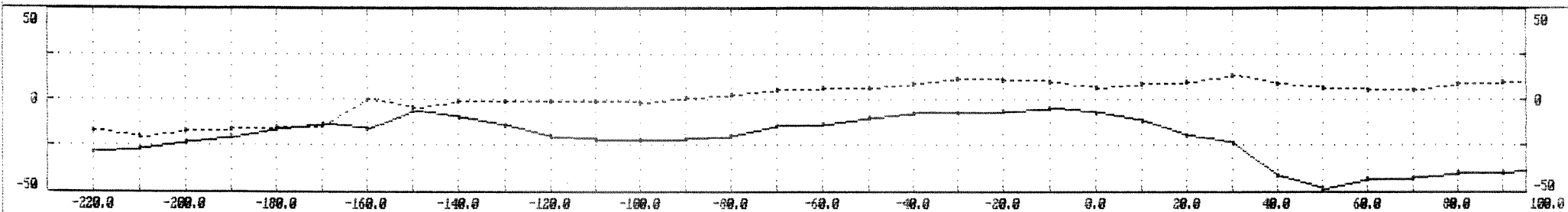


10.0	17	0.9	0.5	3.5	1.7	7.5	12.1	13.4	12.3	1.4	-3.7	-4.9	-5.3	-4.9	-8.0	-7.7	-3.5	-1.9	-2.7	-3.4	0.0	-1.2	-0.4	3.7	-0.9	-0.5	3.2	1.8	-2.2	-3.0
20.0	15	5.1	4.5	3.8	9.7	12.1	18.1	21.3	13.7	6.0	-3.8	-7.3	-6.8	-10.5	-11.7	-11.0	-9.3	-6.1	-4.2	-4.0	-5.4	-0.1	2.4	-1.8	1.4	2.0	0.8	0.7	-0.7	-4.4
30.0	11	9.1	5.4	7.3	10.7	19.7	21.6	18.4	16.3	8.7	2.2	-7.2	-14.6	-13.8	-10.9	-9.1	-11.1	-11.5	-6.5	-5.8	-4.1	-2.7	-3.4	-0.7	1.1	3.6	-1.1	-2.0	-1.3	-2.8
40.0	13	5.7	12.2	13.6	19.1	20.6	19.2	16.4	13.2	13.1	5.5	-3.7	-13.2	-17.4	-13.9	-13.5	-11.3	-8.8	-10.3	-5.0	-3.4	-6.3	-4.4	-0.7	0.6	-2.6	-0.8	-3.2	-4.8	-3.3
50.0	13	5.8	14.9	24.3	24.6	20.0	17.0	15.0	12.6	10.3	5.0	-1.3	-5.3	-12.9	-19.0	-17.5	-14.7	-13.7	-10.0	-6.3	-4.4	-2.2	-1.2	-2.1	-3.6	-3.2	-5.1	-3.1	-6.1	-7.7
60.0	19	10.6	17.8	25.4	24.4	20.6	16.9	13.5	13.0	6.6	3.8	3.5	-2.3	-8.7	-17.6	-19.5	-18.7	-15.2	-11.1	-12.0	-7.6	-0.9	0.9	-1.6	-3.1	-3.2	-4.5	-7.5	-5.8	-0.5

# ONION GRID.

L.2000S. VLF DATA (23.4kHz)

VZ	-17.0	-20.0	-17.0	-16.0	-15.0	-14.0	0.0	-4.0	-1.0	-1.0	-1.0	-1.0	-2.0	1.0	3.0	5.0	5.0	5.0	9.0	12.0	11.0	10.0	6.0	9.0	10.0	13.0	9.0	6.0	5.0	5.0	9.0	10.0	10.0
IX	-20.0	-26.0	-23.0	-20.0	-16.0	-13.0	-16.0	-6.0	-10.0	-14.0	-20.0	-22.0	-22.0	-21.0	-19.0	-14.0	-13.0	-10.0	-7.0	-7.0	-6.0	-4.0	-7.0	-11.0	-19.0	-24.0	-41.0	-48.0	-43.0	-42.0	-40.0	-40.0	-36.0
FRFLT	-11.0	-13.0	-14.0	-7.0	-7.0	-13.0	2.0	18.0	18.0	10.0	1.0	-4.0	-10.0	-13.0	-10.0	-10.0	-9.0	-4.0	-4.0	-2.0	8.0	19.0	25.0	35.0	46.0	26.0	-4.0	-9.0	-5.0	-6.0	-13.0	-15.0	

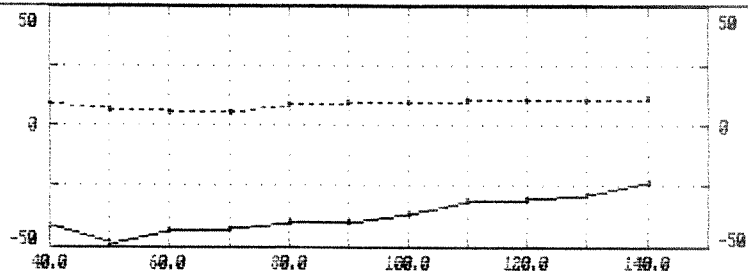


10.0	-2.3	-3.4	-4.4	-4.4	-5.6	-0.5	-4.2	-3.0	5.2	5.3	5.3	1.6	-0.5	-1.9	-4.6	-4.2	-3.0	-4.3	-2.3	-0.0	-1.6	1.5	4.9	9.1	9.8	13.8	15.2	2.2	-1.7	-1.7	-2.4	-2.9	10.0
20.0	-2.6	-6.6	-7.4	-7.0	-3.7	-8.0	-3.8	-0.1	1.5	7.9	6.2	3.1	-1.7	-4.1	-4.7	-6.3	-7.1	-4.0	-3.5	-2.9	1.9	4.9	8.3	12.1	20.3	21.9	14.6	11.1	0.8	-3.2	-2.9	-5.4	20.0
30.0	-2.6	-5.2	-8.4	-5.6	-10.7	-7.2	-4.2	1.0	3.2	1.6	6.7	3.5	-1.1	-4.9	-6.7	-7.5	-5.3	-3.5	-2.0	-1.2	1.3	6.6	9.7	19.5	24.5	20.0	17.5	11.8	8.9	-2.8	-8.9	-6.8	30.0
40.0	-1.8	-5.3	-5.7	-13.5	-10.0	-7.0	-2.3	0.7	2.5	3.2	0.5	3.3	1.4	-1.9	-4.9	-5.9	-6.8	-7.2	-5.5	0.3	4.8	8.3	18.9	22.1	19.5	19.9	16.9	14.9	8.2	2.6	-7.1	-12.1	40.0
50.0	-3.0	-3.1	-10.5	-10.0	-9.2	-4.3	-2.3	-0.3	1.3	3.2	2.2	1.5	5.5	0.4	-2.9	-7.3	-10.1	-9.6	-5.4	-0.2	6.0	15.4	21.9	20.3	18.9	17.2	18.0	13.8	8.5	3.5	-0.1	-12.6	50.0
60.0	-0.3	-7.4	-6.6	-5.8	-3.6	-3.4	-1.1	-0.1	2.1	1.7	2.6	2.2	-2.3	2.7	-2.0	-6.7	-9.7	-8.1	-3.6	-1.0	10.1	17.4	15.6	16.9	17.1	17.9	15.6	13.1	10.0	6.1	-1.5	-6.2	60.0

# ONION GRID.

L.2000S. ULF DATA (23.4kHz)

9% 9.0 6.0 5.0 5.0 9.0 10.0 10.0 11.0 11.0 11.0 12.0  
 IX -41.0 -40.0 -43.0 -42.0 -40.0 -40.0 -36.0 -31.0 -30.0 -28.0 -23.0  
 FRFLT 26.0 -4.0 -9.0 -5.0 -6.0 -13.0 -15.0 -9.0 -10.0

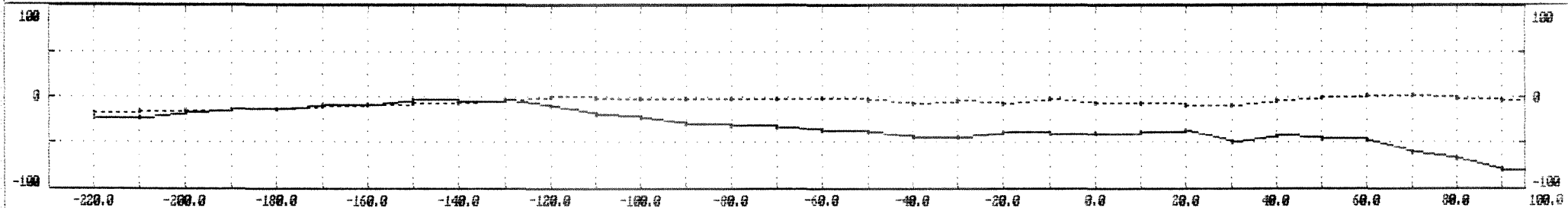


10.0	2	2.2	-1.7	-1.7	-2.4	-2.9	-5.9	-4.4	-3.0	-5.3	-5.7	10.0
20.0	6	11.1	0.8	-3.2	-2.9	-5.4	-6.9	-9.0	-9.3	-8.4	-9.9	20.0
30.0	5	11.8	0.9	-2.8	-8.9	-6.8	-6.9	-9.1	-11.9	-13.5	-13.5	30.0
40.0	9	14.9	0.2	2.6	-7.1	-12.1	-11.7	-12.6	-12.8	-14.8	-15.7	40.0
50.0	0	13.8	0.5	3.5	-0.1	-12.6	-18.1	-16.7	-17.7	-18.2	-19.0	50.0
60.0	6	13.1	10.0	6.1	-1.5	-6.2	-17.6	-23.2	-22.1	-23.0	-23.1	60.0

# ONION GRID.

L.1900S, ULF DATA (23.4kHz)

QX	-17.0	-15.0	-15.0	-14.0	-13.0	-11.0	-9.0	-7.0	-6.0	-3.0	0.0	-1.0	-2.0	-2.0	-1.0	-2.0	-2.0	-3.0	-6.0	-4.0	-7.0	-2.0	-6.0	-6.0	-8.0	-9.0	-4.0	0.0	2.0	2.0	-1.0	-3.0	-1.0
IX	-22.0	-22.0	-18.0	-14.0	-14.0	-9.0	-9.0	-4.0	-5.0	-4.0	-11.0	-19.0	-22.0	-29.0	-32.0	-34.0	-37.0	-39.0	-44.0	-43.0	-39.0	-41.0	-41.0	-39.0	-37.0	-50.0	-42.0	-45.0	-40.0	-59.0	-67.0	-79.0	-78.0
PRFLT		-12.0	-12.0	-9.0	-10.0	-10.0	-9.0	-4.0	6.0	21.0	26.0	21.0	20.0	15.0	10.0	10.0	12.0	11.0	-1.0	-7.0	0.0	0.0	-6.0	7.0	16.0	0.0	1.0	20.0	33.0	39.0	31.0	1.0	-35

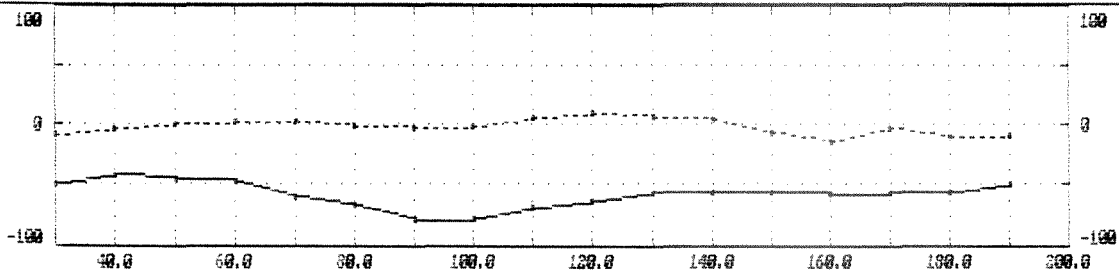


10.0	-1.5	-2.5	-5.5	-2.8	-4.1	-3.5	-3.3	-2.3	0.9	3.0	10.0	7.5	7.4	7.4	4.0	4.5	3.5	4.1	2.0	-2.5	-0.9	0.6	-0.3	-2.5	6.5	3.2	-1.4	5.9	9.3	12.3	11.9	7.1	10.0
20.0	-2.5	-4.2	-5.0	-7.7	-5.2	-5.1	-4.6	-2.4	2.1	9.3	10.5	15.3	13.5	10.3	9.9	8.0	8.8	6.4	2.1	3.0	-0.7	-1.8	0.1	7.0	2.4	6.0	8.6	5.5	13.8	19.8	17.6	5.5	20.0
30.0	-3.5	-3.7	-6.9	-5.5	-8.1	-5.6	-4.2	-0.6	6.3	8.4	14.8	15.5	17.5	15.0	12.3	13.0	10.8	6.5	7.2	4.8	3.5	0.0	8.4	5.2	4.5	4.5	10.8	16.5	16.3	21.1	13.9	9.7	30.0
40.0	0.1	-3.1	-4.5	-8.7	-7.0	-7.9	-1.5	5.0	5.7	12.4	13.3	16.6	18.0	20.6	19.1	14.6	11.1	9.1	9.1	8.9	5.9	11.0	2.1	2.3	6.2	11.1	16.1	24.0	24.0	10.9	11.0	5.6	40.0
50.0	-0.3	-1.7	-5.7	-6.3	-8.3	-3.9	0.6	4.3	9.9	11.3	16.5	17.0	20.8	23.1	24.1	17.9	16.2	14.4	8.7	4.6	10.6	4.2	5.4	5.3	12.6	19.0	23.3	22.2	17.4	14.5	3.0	7.3	50.0
60.0	1.5	-3.0	-4.2	-5.9	-3.4	-0.4	1.8	7.0	10.3	13.0	15.7	20.7	24.2	26.7	23.0	23.9	19.0	11.6	8.6	10.8	5.4	6.7	7.5	13.2	14.6	22.5	23.8	17.5	13.3	10.4	11.3	2.5	60.0

# ONION GRID.

L.1900S. ULF DATA (23.4kHz)

QZ -9.0 -4.0 0.0 2.0 2.0 -1.0 -3.0 -1.0 5.0 9.0 6.0 3.0 -6.0 -13.0 -4.0 -11.0 -8.0  
 IZ -50.0 -42.0 -45.0 -48.0 -59.0 -67.0 -79.0 -78.0 -69.0 -63.0 -57.0 -57.0 -56.0 -58.0 -57.0 -57.0 -50.0  
 FREFI 0.0 1.0 20.0 33.0 39.0 31.0 1.0 -25.0 -27.0 -18.0 -7.0 0.0 2.0 0.0 -8.0

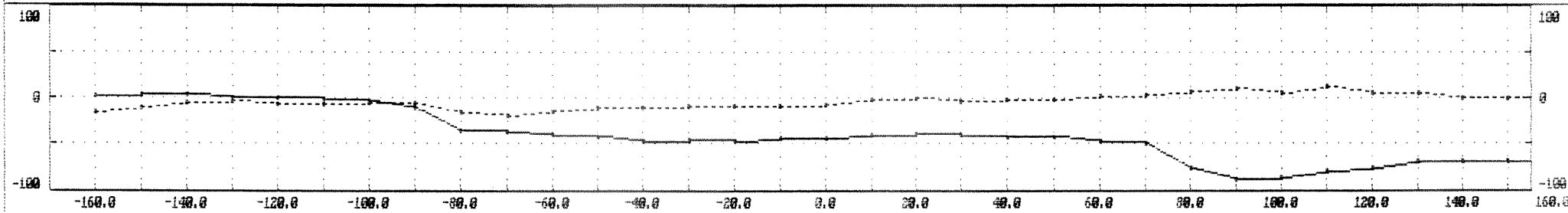


10.0	2	-1.4	5.9	9.3	12.3	11.9	7.1	-5.6	-8.1	-7.3	-4.6	-1.5	-8.1	-0.2	-1.3	-4.6	-7.1
20.0	0	8.6	5.5	13.8	19.8	17.6	5.5	-1.1	-10.9	-10.3	-6.9	-3.7	-2.6	-3.0	-6.0	-8.7	-9.8
30.0	5	10.8	16.5	16.3	21.1	13.9	9.7	-8.9	-5.4	-14.2	-11.0	-6.5	-2.9	-4.8	-8.4	-11.6	-15.2
40.0	1	16.1	24.0	24.0	10.9	11.0	5.6	3.9	-2.3	-6.3	-13.3	-12.5	-12.3	-9.8	-8.3	-10.8	-14.2
50.0	0	23.3	22.2	17.4	14.5	3.0	7.3	4.7	3.4	-3.5	-7.0	-18.5	-20.0	-16.7	-14.7	-14.4	-15.1
60.0	5	23.8	17.5	13.3	10.4	11.3	2.5	7.4	5.0	2.8	-7.8	-15.1	-23.2	-24.9	-22.1	-20.8	-18.8

# ONION GRID.

L.1800S, ULF DATA (23.4khz)

QZ	-16.0	-10.0	-5.0	-4.0	-5.0	-6.0	-5.0	-5.0	-16.0	-19.0	-14.0	-11.0	-10.0	-8.0	-8.0	-8.0	-6.0	-1.0	0.0	-4.0	-2.0	-1.0	2.0	4.0	7.0	11.0	6.0	12.0	6.0	6.0	0.0	0.0	-3.0
IX	2.0	4.0	4.0	0.0	0.0	-1.0	-4.0	-10.0	-35.0	-37.0	-40.0	-42.0	-47.0	-46.0	-40.0	-44.0	-43.0	-40.0	-38.0	-41.0	-42.0	-42.0	-47.0	-49.0	-75.0	-80.0	-87.0	-79.0	-75.0	-69.0	-60.0	-60.0	-67.0
FRFLT	2.0	9.0	5.0	5.0	13.0	40.0	50.0	32.0	10.0	12.0	11.0	5.0	-1.0	-7.0	-9.0	-9.0	-4.0	5.0	5.0	6.0	12.0	35.0	67.0	51.0	3.0	-21.0	-22.0	-17.0	-9.0	-2.0	-7.0	-1.0	

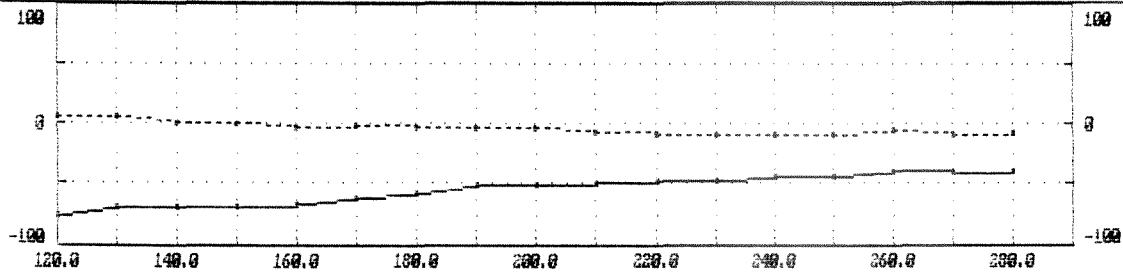


10.0	-1.0	-1.0	2.4	2.6	1.5	5.6	6.8	19.3	17.2	5.3	5.8	4.7	2.5	0.7	-1.1	-3.4	-2.2	-3.2	0.4	2.5	0.9	6.1	6.8	17.6	23.3	7.8	-3.0	-6.3	-6.5	-5.3	-1.3	-1.9	10.0
20.0	-0.5	2.1	4.6	6.1	6.6	7.6	22.0	22.8	22.7	19.8	8.5	7.0	7.5	4.1	-1.4	-2.8	-4.6	-0.7	2.4	5.1	7.1	5.2	18.9	26.5	23.6	18.0	1.3	-9.7	-9.1	-4.4	-5.2	-6.3	20.0
30.0	5.1	4.8	3.9	6.2	10.4	24.5	22.6	24.1	24.2	25.6	22.2	9.7	6.2	4.6	3.4	1.9	4.7	1.5	1.5	3.3	5.5	20.8	26.7	25.5	20.8	15.6	10.9	-3.8	-11.1	-10.0	-7.5	-7.5	30.0
40.0	4.5	4.7	6.2	8.8	22.6	24.6	26.0	25.4	28.3	27.2	27.2	21.0	9.9	8.6	5.6	5.2	2.5	1.7	3.2	6.5	19.6	28.1	28.1	20.8	17.5	14.2	10.5	10.5	-4.9	-14.7	-16.2	-15.8	40.0
50.0	4.7	6.0	8.6	22.2	23.4	25.5	27.0	31.3	28.0	32.4	30.8	28.3	22.1	6.6	5.0	3.1	2.4	3.2	5.6	19.2	28.1	27.9	24.7	21.0	16.2	14.6	14.2	9.9	6.2	-10.9	-21.5	-20.8	50.0
60.0	5.7	9.2	23.0	24.1	26.2	27.5	33.2	34.9	35.9	30.6	29.3	26.3	21.0	19.2	5.7	4.7	5.6	5.3	17.3	25.5	25.2	23.1	21.4	20.0	20.2	18.0	14.5	11.1	5.8	0.4	-14.7	-23.0	60.0

# ONION GRID.

L.1800S. VLF DATA (23.4kHz)

QZ 5.0 6.0 0.0 0.0 -3.0 -2.0 -4.0 -4.0 -4.0 -6.0 -8.0 -9.0 -9.0 -9.0 -5.0 -0.0 -7.0  
 IX -75.0 -69.0 -60.0 -60.0 -67.0 -62.0 -50.0 -51.0 -51.0 -49.0 -47.0 -40.0 -44.0 -43.0 -39.0 -40.0 -39.0  
 FRLI -17.0 -0.0 -2.0 -7.0 -15.0 -20.0 -18.0 -9.0 -6.0 -5.0 -4.0 -0.0 -10.0 -0.0 -3.0

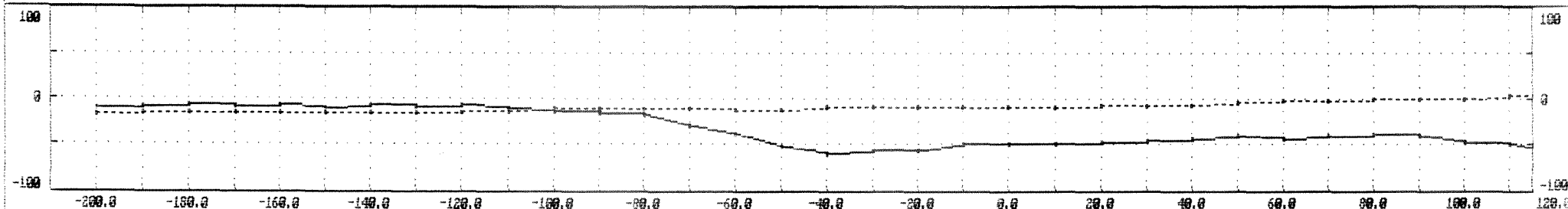


10.0	5	-5.3	-1.3	-1.9	-4.6	-5.8	-7.2	-5.2	-1.9	-3.5	-1.0	-2.6	-3.3	-3.1	-2.4	-0.4	-1.6
20.0	11	-4.4	-5.2	-6.3	-8.3	-11.5	-10.9	-8.8	-7.8	-3.4	-5.7	-5.1	-5.9	-5.3	-3.8	-3.5	-1.8
30.0	11	-10.8	-7.5	-7.5	-8.3	-11.4	-13.7	-14.6	-10.3	-10.0	-6.2	-8.6	-7.2	-7.0	-7.6	-5.5	-4.9
40.0	19	-14.7	-16.2	-15.8	-11.9	-9.9	-9.9	-10.2	-14.8	-14.3	-14.3	-9.0	-9.2	-8.3	-7.8	-9.3	-7.5
50.0	2	-10.9	-21.5	-20.8	-16.7	-15.4	-10.3	-11.3	-12.0	-14.7	-11.8	-13.2	-11.1	-11.5	-10.2	-9.4	-10.1
60.0	8	0.4	-14.7	-23.0	-23.7	-18.3	-17.9	-14.7	-14.7	-13.7	-13.9	-12.1	-11.1	-9.2	-11.4	-12.1	-11.5

# ONION GRID.

L.1700S. ULF DATA (23.4khz)

Q%	-17.0	-15.0	-16.0	-16.0	-16.0	-16.0	-16.0	-14.0	-13.0	-11.0	-11.0	-11.0	-11.0	-12.0	-12.0	-9.0	-8.0	-9.0	-8.0	-9.0	-8.0	-7.0	-6.0	-6.0	-4.0	-2.0	-1.0	0.0	0.0	1.0	4.0	3.0	
I%	-11.0	-9.0	-7.0	-9.0	-7.0	-10.0	-7.0	-8.0	-7.0	-11.0	-13.0	-16.0	-18.0	-29.0	-39.0	-52.0	-60.0	-57.0	-56.0	-49.0	-50.0	-49.0	-47.0	-45.0	-44.0	-40.0	-43.0	-40.0	-38.0	-40.0	-47.0	-49.0	-60.0
PRFLT	-4.0	0.0	1.0	1.0	-2.0	-2.0	3.0	9.0	11.0	10.0	19.0	34.0	44.0	44.0	26.0	1.0	-12.0	-14.0	-6.0	-3.0	-7.0	-7.0	-9.0	-6.0	-1.0	-5.0	-5.0	9.0	19.0	22.0	29.0		

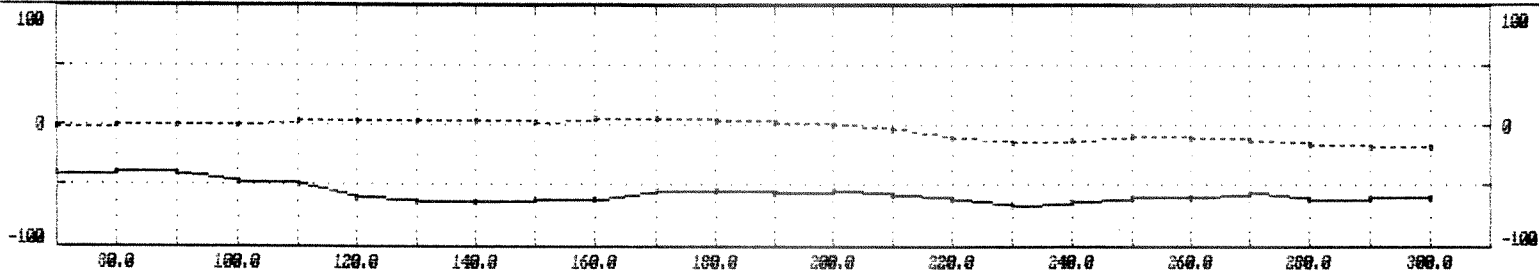


10.0	-1.7	-2.5	0.0	-0.5	0.5	0.1	-0.9	0.6	1.9	4.0	4.3	5.0	9.9	14.5	14.6	14.0	3.3	-0.9	-4.2	-4.2	-0.7	-2.7	-2.8	-1.9	-3.5	-1.2	-0.2	-2.5	0.7	6.3	6.2	3.4	10.0
20.0	-2.0	-1.8	-2.1	1.0	0.4	-0.3	0.4	2.2	6.0	7.8	9.7	12.3	16.5	21.7	25.4	17.6	11.1	0.1	-3.4	-3.0	-3.7	-2.5	-4.8	-6.3	-2.5	-2.3	-2.3	1.3	2.9	5.4	13.0	13.7	20.0
30.0	0.5	-1.3	0.0	-1.1	1.6	2.9	5.0	7.2	6.0	8.2	12.7	19.6	24.2	28.0	24.0	22.8	12.5	0.1	-0.3	-5.4	-4.5	-3.1	-1.7	-0.8	-3.3	-4.7	-2.9	1.4	4.7	9.0	13.2	14.0	30.0
40.0	1.1	2.9	1.3	2.2	3.0	5.4	6.0	5.9	7.5	11.0	18.7	25.7	30.6	26.7	25.4	19.5	10.9	12.6	6.8	-1.2	-4.8	-4.8	-2.7	-0.2	-2.2	-2.8	1.2	2.0	7.8	13.2	11.3	13.4	40.0
50.0	6.9	5.0	4.4	2.3	2.4	3.5	5.7	7.9	12.7	19.7	24.6	30.9	28.2	28.1	22.0	22.7	20.5	19.8	12.8	6.8	-3.4	-5.9	-7.2	-7.3	-1.8	2.0	4.2	11.8	14.5	12.6	12.8	10.0	50.0
60.0	6.3	4.7	2.9	3.4	3.1	3.9	5.7	12.9	19.8	25.7	31.2	28.1	29.8	25.5	27.3	25.0	22.5	19.6	17.4	8.4	4.0	-5.0	-10.4	-7.4	-2.1	4.4	10.4	13.0	14.0	13.6	14.2	10.6	60.0

# ONION GRID.

L.1700S. ULF DATA (23.4kHz)

QZ	-1.0	0.0	0.0	1.0	4.0	3.0	3.0	4.0	2.0	5.0	5.0	3.0	2.0	1.0	-4.0	-11.0	-13.0	-12.0	-8.0	-10.0	-12.0	-15.0	-18.0	-17.0
IX	-40.0	-38.0	-40.0	-47.0	-49.0	-60.0	-64.0	-63.0	-62.0	-62.0	-55.0	-55.0	-57.0	-55.0	-58.0	-61.0	-66.0	-63.0	-59.0	-59.0	-56.0	-61.0	-60.0	-60.0
FREQI	-5.0	9.0	18.0	22.0	28.0	18.0	1.0	-3.0	-8.0	-14.0	-5.0	2.0	1.0	7.0	14.0	18.0	-5.0	-11.0	-7.0	-1.0	6.0	3.0		

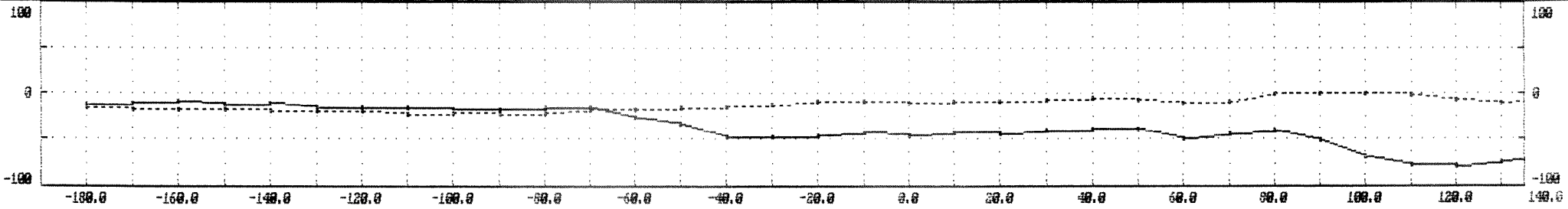


10.0	15	0.7	6.3	6.2	8.4	9.7	2.4	-0.6	-0.5	-4.2	-4.4	1.1	-0.3	1.3	3.7	4.2	1.5	-4.0	-1.7	-2.2	0.0	2.3	-0.6	0.8
20.0	13	2.9	5.4	13.0	13.7	8.8	8.1	2.4	-3.7	-2.8	-0.7	-3.5	0.9	2.9	4.2	4.2	1.1	-1.0	-5.4	-0.5	1.2	0.8	2.0	-0.2
30.0	14	4.7	9.0	13.2	14.0	13.0	9.1	5.0	-1.8	-2.8	-3.3	-0.8	1.2	7.5	4.8	0.8	1.7	-1.5	-0.2	-3.0	-1.1	1.4	2.2	3.7
40.0	10	7.8	13.2	11.3	13.4	14.1	8.4	4.7	4.1	-2.5	-2.4	-0.1	3.9	2.8	4.7	4.0	0.9	3.7	0.7	-0.9	-3.2	-1.3	2.1	2.6
50.0	18	14.5	12.6	12.8	10.0	7.5	8.8	9.5	4.4	5.3	1.0	1.4	0.7	-0.2	-0.3	2.9	6.2	4.2	4.6	3.0	0.1	-2.8	-0.6	1.9
60.0	10	14.0	13.6	14.2	10.6	9.1	9.8	9.9	9.9	7.5	9.7	2.0	-2.5	-1.9	-2.6	0.7	4.6	5.0	4.7	5.3	4.6	2.5	-0.6	0.3

# ONION GRID.

L.1600S, ULF DATA (23.4kHz)

QZ	-16.0	-17.0	-17.0	-18.0	-19.0	-20.0	-20.0	-23.0	-21.0	-22.0	-21.0	-18.0	-17.0	-15.0	-14.0	-12.0	-9.0	-9.0	-10.0	-8.0	-8.0	-7.0	-5.0	-6.0	-11.0	-8.0	0.0	0.0	0.0	-1.0	-7.0	-10.0	-5.0
IX	-12.0	-10.0	-8.0	-12.0	-11.0	-15.0	-16.0	-16.0	-17.0	-17.0	-16.0	-15.0	-26.0	-34.0	-47.0	-48.0	-46.0	-42.0	-46.0	-42.0	-43.0	-40.0	-38.0	-39.0	-50.0	-44.0	-41.0	-51.0	-68.0	-77.0	-80.0	-74.0	-66.0
FREQ	-2.0	5.0	6.0	8.0	6.0	2.0	2.0	0.0	-3.0	0.0	29.0	40.0	35.0	13.0	-7.0	-6.0	0.0	-3.0	-5.0	-7.0	-6.0	11.0	17.0	-4.0	-2.0	34.0	53.0	39.0	9.0	-17.0	-20.0	-19.0	

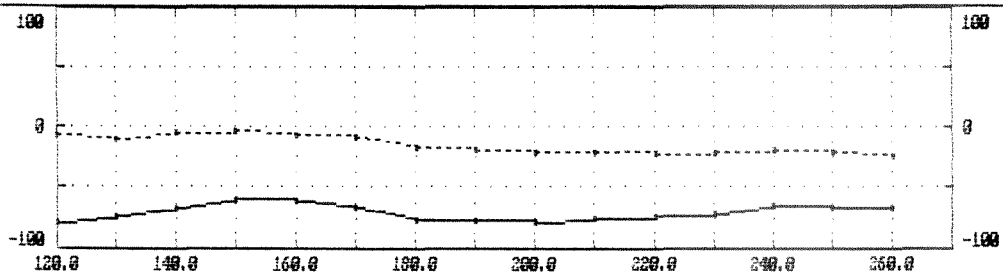


10.0	-1.3	-2.3	1.4	1.8	1.8	3.5	0.7	1.0	0.6	0.5	0.2	7.7	12.0	12.9	9.4	1.0	-2.5	-0.1	-0.6	-2.4	-1.0	-2.2	-0.8	6.3	3.8	-2.7	6.7	16.3	15.3	7.9	-0.6	-7.5	10.0
20.0	-1.5	-0.1	-0.1	3.2	4.6	2.0	4.3	3.4	3.1	2.0	6.8	10.4	18.7	19.7	12.1	5.2	0.7	-1.3	1.3	0.4	-5.3	-1.5	6.5	5.3	3.7	7.8	10.0	18.5	23.4	14.8	0.4	-7.0	20.0
30.0	1.3	0.0	1.5	3.7	5.7	8.7	5.8	4.9	0.7	7.0	11.3	18.8	18.5	18.1	16.1	13.3	6.0	-1.2	-2.4	0.2	5.0	7.6	3.9	-1.2	5.4	16.6	22.5	18.8	19.1	16.0	7.1	-1.8	30.0
40.0	2.4	4.8	6.2	5.7	5.9	6.1	6.3	3.0	9.8	11.7	17.8	18.8	18.3	16.0	18.9	17.8	13.4	8.1	0.0	-1.3	4.8	3.0	-0.1	8.8	18.0	24.2	25.9	21.0	9.7	9.8	11.3	9.3	40.0
50.0	7.7	7.5	5.8	5.7	3.9	3.9	4.3	11.5	13.6	22.8	20.3	18.2	16.9	20.4	18.3	20.4	19.1	10.6	4.7	3.3	-0.7	-0.1	9.0	17.1	24.8	25.4	23.1	17.6	13.2	6.7	12.9	20.1	50.0
60.0	8.2	6.7	6.0	5.0	3.8	2.9	10.5	15.7	23.7	23.2	24.4	20.8	21.9	19.2	18.4	15.6	14.1	15.3	16.3	9.1	1.0	5.7	16.0	22.4	21.1	20.6	16.0	14.5	16.0	18.0	17.7	20.4	60.0

# ONION GRID.

L.1600S. ULF DATA (23.4kHz)

QZ -7.0 -10.0 -5.0 -4.0 -6.0 -9.0 -17.0 -20.0 -21.0 -21.0 -22.0 -21.0 -20.0 -21.0 -24.0  
 IX -80.0 -74.0 -66.0 -60.0 -62.0 -67.0 -77.0 -78.0 -79.0 -76.0 -79.0 -72.0 -65.0 -67.0 -66.0  
 FREL1 -17.0 -23.0 -18.0 3.0 22.0 26.0 13.0 0.0 -8.0 -10.0 -12.0 -13.0 -4.0

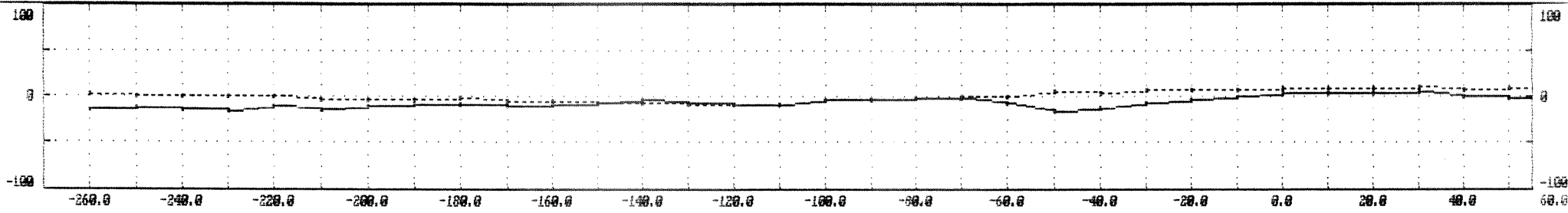


10.0	16	-7.5	-7.8	-2.1	3.7	3.7	6.8	1.7	-0.4	-4.2	-2.5	-5.3	-3.5	3.1	-2.3	10.0
20.0	14	-7.0	-6.8	-1.4	6.7	9.5	7.6	3.6	-2.4	-2.9	-7.0	-4.7	-4.6	-4.9	-1.3	20.0
30.0	11	-1.8	-4.5	-1.6	4.3	10.1	11.3	6.2	1.4	-8.9	-7.6	-7.7	-5.4	-4.5	-4.9	30.0
40.0	13	9.3	6.0	1.5	0.7	2.6	5.3	9.2	4.6	1.5	-7.0	-9.4	-10.7	-8.8	-6.3	40.0
50.0	9	20.1	15.7	6.2	0.4	-3.4	-0.5	0.8	6.1	3.8	1.2	-5.1	-7.7	-11.0	-10.7	50.0
60.0	7	20.4	21.3	13.7	2.5	-2.7	-9.1	-3.6	0.0	3.7	3.1	0.2	-7.0	-7.9	-9.2	60.0

# ONION GRID.

L.1500S. VLF DATA (23.4khz)

QZ	2.0	1.0	1.0	0.0	0.0	-3.0	-3.0	-4.0	-2.0	-5.0	-5.0	-6.0	-7.0	-9.0	-9.0	-8.0	-4.0	-3.0	-2.0	1.0	1.0	5.0	4.0	7.0	8.0	8.0	9.0	9.0	9.0	10.0	8.0	9.0	10.0
IX	-14.0	-12.0	-14.0	-16.0	-11.0	-13.0	-10.0	-9.0	-8.0	-10.0	-9.0	-6.0	-4.0	-6.0	-9.0	-8.0	-3.0	-3.0	-2.0	-2.0	-7.0	-15.0	-12.0	-6.0	-3.0	1.0	3.0	4.0	3.0	6.0	1.0	-1.0	1.0
FMLI	4.0	1.0	-6.0	-4.0	-5.0	-6.0	-1.0	2.0	-3.0	-9.0	-5.0	5.0	7.0	-4.0	-11.0	-6.0	-2.0	4.0	19.0	18.0	-4.0	-19.0	-16.0	-13.0	-9.0	-3.0	-2.0	0.0	9.0	7.0	3.0	1.0	

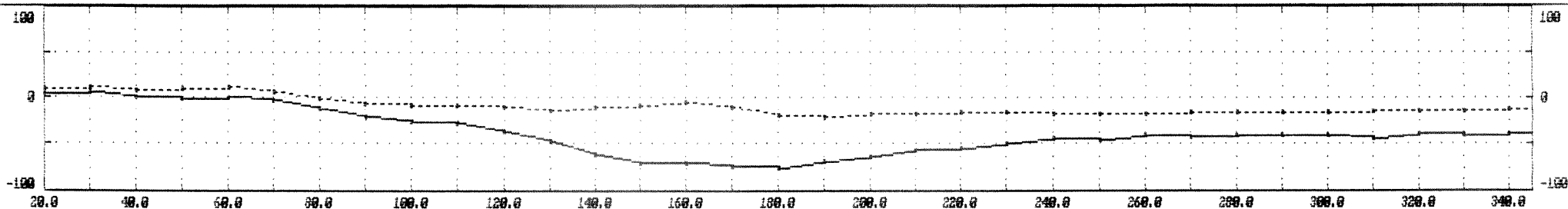


10.0	-0.9	-0.4	2.3	-2.1	-1.3	-0.8	-2.7	-1.1	-0.1	0.1	-2.3	-2.5	-0.2	2.1	0.9	-3.4	-2.3	-0.4	-0.1	3.0	7.0	2.7	-5.1	-5.1	-5.0	-4.3	-2.6	-0.1	-1.0	1.0	4.6	0.9	10.0
20.0	-0.2	0.7	-2.1	0.4	-2.4	-4.6	-2.4	-1.7	-0.7	-2.1	-3.0	-3.2	-0.5	0.8	-0.2	-0.9	-3.8	-3.9	2.0	6.1	4.4	1.3	-2.6	-9.5	-8.1	-4.5	-3.4	-3.6	1.4	4.0	2.6	7.1	20.0
30.0	0.9	-1.9	-1.0	-3.0	-2.2	-3.4	-3.4	-1.9	-4.8	-4.1	-2.2	0.4	-0.8	-2.9	-2.3	-2.1	-3.4	-2.2	2.6	4.2	1.2	0.8	-1.8	-6.1	-10.9	-7.4	-4.4	0.9	3.8	3.2	6.4	11.8	30.0
40.0	-2.3	-1.1	-2.5	-2.9	-3.9	-1.8	-3.7	-6.5	-4.0	-3.3	-0.1	-0.6	-3.7	-5.4	-5.8	-4.1	0.5	3.8	1.3	-1.3	-0.5	-2.1	-1.9	-1.4	-3.1	-9.6	-5.1	0.1	2.7	8.9	13.9	19.0	40.0
50.0	-0.9	-2.9	-3.3	-4.1	-3.2	-3.2	-2.6	-5.2	-5.7	-1.5	-3.9	-5.8	-5.1	-4.5	-6.1	-1.8	4.7	3.7	-0.6	-2.3	-3.6	-1.4	-1.7	0.2	-0.9	0.2	-2.7	-2.0	3.8	9.1	15.3	19.2	50.0
60.0	-2.9	-3.6	-3.8	-1.8	-2.4	-4.7	-6.0	-4.2	-4.1	-6.4	-6.1	-7.2	-5.4	-4.5	-1.1	3.0	2.3	1.8	1.3	-1.8	-4.0	-3.2	1.7	-0.1	3.1	4.8	0.8	-2.5	2.1	9.6	14.1	16.4	60.0

# ONION GRID.

L.1500S. VLF DATA (23.4kHz)

QZ	9.0	10.0	8.0	9.0	10.0	6.0	-2.0	-7.0	-8.0	-9.0	-11.0	-13.0	-11.0	-8.0	-5.0	-11.0	-20.0	-21.0	-18.0	-18.0	-16.0	-16.0	-17.0	-17.0	-17.0	-15.0	-15.0	-15.0	-15.0	-14.0	-14.0	-13.0	-12.0	-12.0
IX	3.0	6.0	1.0	-1.0	1.0	-4.0	-12.0	-21.0	-26.0	-28.0	-36.0	-47.0	-62.0	-70.0	-70.0	-74.0	-75.0	-69.0	-64.0	-56.0	-55.0	-49.0	-44.0	-45.0	-41.0	-42.0	-40.0	-40.0	-41.0	-44.0	-39.0	-40.0	-39.0	-37.0
FRELI	0.0	9.0	7.0	3.0	16.0	30.0	31.0	21.0	17.0	29.0	45.0	49.0	31.0	12.0	9.0	0.0	-16.0	-24.0	-22.0	-16.0	-18.0	-15.0	-7.0	-6.0	-4.0	-3.0	-1.0	5.0	2.0	-6.0	-4.0	-3.0	-4.0	

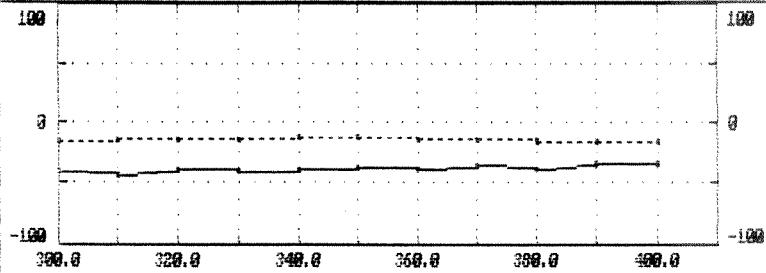


10.0	0	1.0	4.6	0.9	3.7	8.9	10.7	10.2	6.9	9.2	13.5	16.6	15.6	6.9	3.7	3.1	-3.9	-6.6	-8.7	-7.0	-5.2	-7.9	-2.8	-2.8	-2.4	-0.6	-1.2	0.2	2.1	-1.2	-2.4	0.1	-2.5	10.0
20.0	14	4.0	2.6	7.1	9.6	14.4	19.6	18.5	17.0	18.1	24.5	27.1	21.5	16.3	8.6	1.0	-2.1	-9.1	-11.8	-12.4	-12.3	-8.0	-9.9	-5.5	-4.0	-4.1	-1.3	0.2	-1.1	-0.7	-1.3	-4.4	-1.1	20.0
30.0	18	3.2	6.4	11.8	19.4	19.0	19.0	24.2	27.4	30.6	29.3	26.6	27.6	24.4	14.8	2.8	-6.2	-6.9	-11.6	-15.2	-12.0	-13.2	-8.9	-10.1	-7.3	-4.5	-3.1	-3.1	-3.0	-2.2	-3.3	-2.6	-6.3	30.0
40.0	17	8.9	13.9	19.0	19.7	20.4	21.8	26.3	36.0	37.7	33.5	31.5	28.7	25.2	18.0	7.6	-0.5	-8.5	-12.1	-13.9	-16.5	-12.7	-11.4	-8.2	-8.2	-4.6	-5.0	-5.9	-4.7	-6.0	-4.2	-5.0	-4.1	40.0
50.0	10	9.1	15.3	19.2	19.9	23.3	30.3	35.0	37.8	39.2	39.5	35.9	28.5	23.2	18.1	12.7	4.2	-7.1	-11.2	-13.2	-15.0	-16.6	-13.6	-10.2	-4.5	-7.3	-4.7	-4.2	-7.1	-4.8	-7.6	-5.3	-7.3	50.0
60.0	11	9.6	14.1	16.4	21.4	29.2	27.3	43.7	40.6	41.9	43.3	36.5	29.3	20.3	17.5	13.4	6.2	0.5	-9.2	-12.7	-14.1	-16.5	-16.0	-10.8	-11.0	-6.3	-6.9	-4.7	-2.1	-5.9	-3.9	-8.0	-7.6	60.0

# ONION GRID.

L.1500S. ULF DATA (23.4khz)

QZ -15.0 -14.0 -14.0 -13.0 -12.0 -12.0 -13.0 -14.0 -15.0 -16.0 -15.0  
 IX -41.0 -44.0 -39.0 -40.0 -39.0 -37.0 -38.0 -35.0 -38.0 -34.0 -33.0  
 FFFLI 2.0 -6.0 -4.0 -3.0 -4.0 -3.0 -2.0 -1.0 -6.0

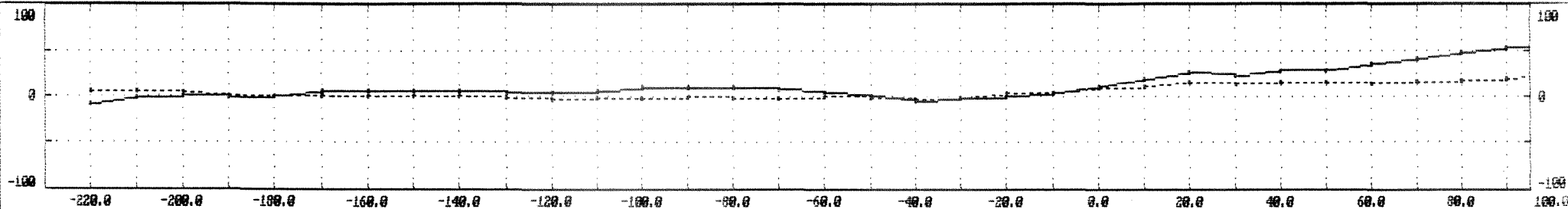


10.0	1	-1.2	-2.4	0.1	-2.5	-0.4	-1.7	-0.4	-0.8	-3.4	-1.5	10.0
20.0	1	-0.7	-1.3	-4.4	-1.1	-3.1	-1.3	-2.7	-3.4	-2.8	-5.1	20.0
30.0	0	-2.2	-3.3	-2.6	-6.3	-1.4	-4.3	-4.0	-4.0	-5.4	-4.9	30.0
40.0	7	-6.0	-4.2	-5.0	-4.1	-7.4	-4.8	-6.3	-6.1	-5.7	-7.2	40.0
50.0	1	-4.8	-7.6	-5.3	-7.3	-7.9	-9.8	-7.7	-8.5	-8.3	-8.0	50.0
60.0	1	-5.9	-3.9	-8.0	-7.6	-9.1	-10.9	-12.7	-10.4	-10.9	-11.2	60.0

# ONION GRID.

L.1400S. ULF DATA (23.4khz)

QZ	6.0	6.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	-1.0	-4.0	-2.0	-2.0	0.0	-2.0	-2.0	0.0	-2.0	-3.0	-1.0	3.0	4.0	9.0	11.0	16.0	15.0	16.0	16.0	15.0	16.0	17.0	20.0	25.0
IX	-9.0	-2.0	0.0	-1.0	1.0	5.0	5.0	5.0	5.0	4.0	4.0	6.0	9.0	9.0	9.0	7.0	4.0	1.0	-5.0	-2.0	1.0	4.0	11.0	20.0	26.0	24.0	20.0	20.0	35.0	41.0	47.0	53.0	52.0
FMFLT	-10.0	-2.0	-7.0	-10.0	-4.0	0.0	1.0	2.0	-1.0	-7.0	-0.0	-3.0	2.0	7.0	11.0	15.0	12.0	-3.0	-12.0	-16.0	-26.0	-31.0	-19.0	-6.0	-6.0	-11.0	-20.0	-25.0	-24.0	-17.0	0.0	0.0	

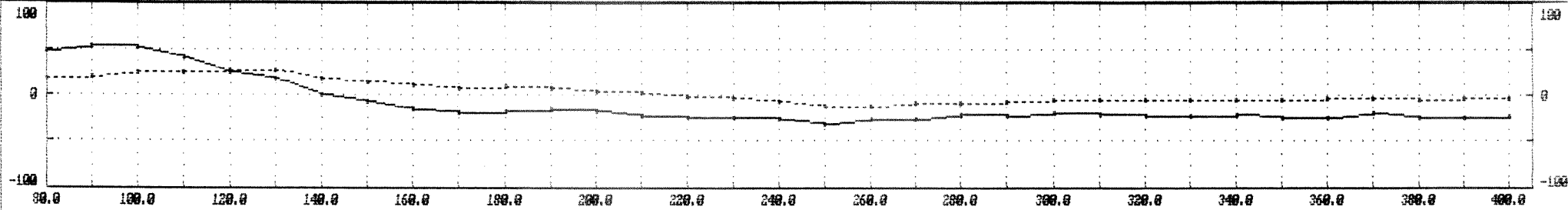


10.0	-6.0	-5.4	-1.8	-1.6	-3.8	-2.4	-0.3	-0.4	0.4	0.2	-1.3	-2.9	-1.7	0.1	1.3	3.3	3.7	5.3	1.8	-3.9	-4.4	-7.5	-10.2	-10.0	-3.7	-3.1	-3.9	-5.1	-9.1	-7.7	-7.0	-1.8	10.0
20.0	-4.7	-6.3	-5.4	-3.8	-3.3	-4.9	-3.8	-0.1	0.1	-1.1	-2.3	-2.3	-1.8	0.0	2.7	4.0	6.7	3.3	0.1	-2.4	-9.6	-13.1	-15.2	-13.5	-12.8	-7.9	-8.1	-11.3	-10.6	-12.9	-7.1	3.0	20.0
30.0	-0.8	-4.4	-9.2	-7.5	-3.8	-2.7	-3.0	-2.4	-1.5	-2.2	-2.1	-2.6	-2.8	-1.4	1.0	5.7	4.6	3.0	0.2	-6.2	-13.1	-20.0	-17.2	-17.2	-13.8	-12.4	-10.5	-10.2	-15.0	-11.8	-5.9	6.8	30.0
40.0	0.5	-4.2	-6.6	-8.7	-6.1	-1.5	0.0	-2.2	-3.9	-3.0	-4.6	-4.5	-3.0	-1.0	2.5	2.4	2.3	0.3	-4.0	-10.9	-15.6	-14.7	-18.4	-15.3	-15.3	-16.9	-15.9	-14.7	-12.4	-7.9	1.3	5.3	40.0
50.0	1.4	-0.6	-2.5	-4.3	-6.5	-4.8	-2.7	-4.3	-6.3	-5.8	-2.7	-2.0	-0.5	2.4	-0.7	-2.9	-3.1	-5.1	-0.6	-9.8	-8.3	-10.2	-11.5	-18.5	-20.8	-22.9	-25.6	-20.8	-8.7	2.9	5.5	17.6	50.0
60.0	5.9	3.2	0.5	-1.8	-5.1	-9.7	-10.3	-6.2	-5.4	-4.9	-2.5	1.1	3.6	0.4	-1.5	-2.9	-5.4	-8.9	-0.0	-5.2	-6.3	-7.8	-14.2	-19.7	-27.5	-29.0	-27.1	-18.8	-6.1	4.1	17.4	19.2	60.0

# ONION GRID.

L.1400S. ULF DATA (23.4kHz)

QZ	17.0	20.0	25.0	25.0	26.0	26.0	18.0	14.0	11.0	7.0	9.0	7.0	4.0	2.0	-1.0	-3.0	-6.0	-12.0	-12.0	-9.0	-9.0	-7.0	-5.0	-5.0	-5.0	-5.0	-5.0	-4.0	-4.0	-5.0	-3.0	-3.0	
IX	47.0	53.0	52.0	40.0	25.0	18.0	0.0	-6.0	-16.0	-19.0	-10.0	-15.0	-17.0	-22.0	-24.0	-25.0	-26.0	-32.0	-26.0	-26.0	-21.0	-22.0	-19.0	-21.0	-23.0	-23.0	-21.0	-24.0	-25.0	-19.0	-24.0	-24.0	-22.0
FREQ	17.0	30.0	40.0	49.0	47.0	49.0	40.0	29.0	15.0	-2.0	-5.0	6.0	14.0	10.0	5.0	9.0	7.0	-6.0	-11.0	-9.0	-6.0	-3.0	3.0	6.0	0.0	-1.0	5.0	-1.0	-6.0	4.0	3.0		

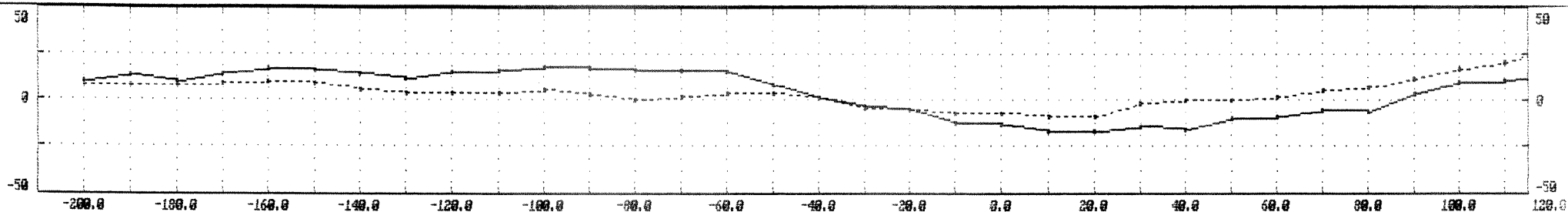


10.0	0	-1.8	0.3	17.9	15.3	18.2	17.1	11.2	9.6	2.3	-0.7	0.1	4.2	4.2	2.9	1.5	4.2	-0.4	-3.4	-2.9	-3.0	-1.1	-1.0	2.2	1.2	-0.7	0.2	2.6	-2.9	-0.5	2.8	-1.6	-0.8
20.0	1	3.0	14.8	21.7	30.9	27.3	25.4	25.2	15.4	9.3	4.3	5.7	5.4	6.9	5.1	5.3	1.0	1.2	-1.9	-5.3	-4.1	-2.4	1.3	-0.6	0.7	1.7	0.9	-2.4	2.0	0.1	-1.9	1.5	-1.1
30.0	9	6.8	13.9	28.0	34.7	40.1	34.7	25.9	21.5	13.1	14.0	9.0	8.2	7.8	13.2	7.2	3.9	-1.5	-1.5	-3.3	-5.6	-0.9	-1.4	0.6	0.9	3.0	-2.3	0.1	-0.1	0.5	-1.2	-1.6	1.4
40.0	3	5.3	19.6	27.0	36.5	42.7	41.1	32.1	24.3	22.5	14.4	13.1	10.0	12.7	10.8	11.0	6.9	3.5	-0.5	-0.9	-1.5	-4.6	-2.4	-0.4	2.9	-1.2	2.0	1.5	-1.1	-1.8	-0.3	-2.0	-2.0
50.0	5	17.6	20.0	28.3	33.2	35.8	37.6	38.2	35.4	28.5	24.9	15.2	15.7	8.1	7.2	6.5	10.5	7.6	5.2	4.2	2.6	-1.2	-3.2	0.0	-3.6	2.2	2.0	2.7	0.6	-0.9	-1.3	-0.4	-2.9
60.0	4	19.2	26.3	27.6	29.9	30.6	34.7	41.3	42.0	36.4	29.1	28.4	15.6	11.6	3.6	3.0	3.4	7.6	8.9	7.1	5.4	5.5	3.9	-3.7	0.7	0.4	1.1	0.2	2.0	1.4	-0.4	-1.0	-0.5

# ONION GRID.

L. 1300S. ULF DATA (23.4kHz)

WZ	8.0	8.0	8.0	9.0	10.0	9.0	5.0	4.0	4.0	4.0	5.0	3.0	0.0	2.0	4.0	4.0	1.0	-4.0	-5.0	-7.0	-7.0	-9.0	-9.0	-2.0	0.0	0.0	2.0	5.0	7.0	12.0	17.0	20.0	27.0
IX	10.0	13.0	10.0	14.0	17.0	15.0	14.0	12.0	15.0	16.0	18.0	17.0	16.0	16.0	15.0	8.0	1.0	-3.0	-5.0	-12.0	-13.0	-17.0	-17.0	-14.0	-16.0	-10.0	-9.0	-5.0	-6.0	4.0	10.0	11.0	14.0
FRFLT		-1.0	-8.0	-9.0	1.0	7.0	3.0	-5.0	-7.0	-4.0	1.0	3.0	2.0	9.0	22.0	25.0	17.0	15.0	17.0	13.0	9.0	1.0	-4.0	-5.0	-11.0	-12.0	-8.0	-12.0	-25.0	-23.0	-11.0	-11.0	

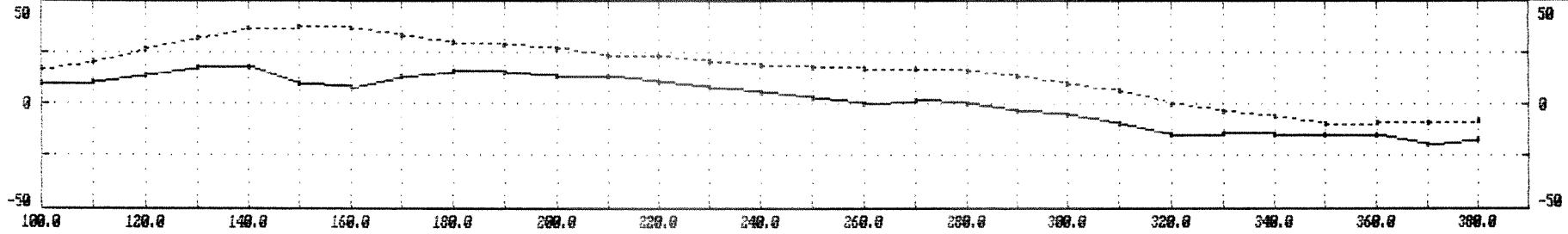


10.0	-2.6	-0.4	-0.9	-4.2	-0.8	1.1	1.9	-0.7	-2.1	-1.6	-0.9	1.1	1.2	1.0	5.6	8.9	7.0	5.0	6.8	5.5	3.2	3.2	-2.1	-0.6	-3.0	-4.5	-4.1	-3.5	-6.1	-10.4	-5.1	-3.9	10.0
20.0	0.3	-2.5	-4.0	-2.0	-2.8	0.5	1.0	-0.1	-2.8	-2.2	1.1	1.7	2.8	6.4	9.9	12.3	13.1	12.4	9.2	9.2	8.2	2.0	2.2	-4.2	-5.6	-6.2	-6.8	-9.9	-12.5	-9.8	-12.1	-9.3	20.0
30.0	-1.4	-4.1	-4.0	-2.1	0.8	-2.6	-0.4	0.5	0.9	0.1	-0.6	1.2	6.5	11.6	12.6	12.9	15.9	16.3	14.3	11.0	6.1	6.0	-1.0	-1.7	-6.9	-6.5	-9.8	-13.8	-12.3	-14.4	-14.8	-15.2	30.0
40.0	-2.2	-2.2	-1.6	-0.5	-1.0	0.5	-2.2	0.9	2.6	1.9	1.3	3.0	8.7	11.1	13.0	16.7	16.8	18.2	16.8	11.1	8.3	3.0	1.9	-3.0	-2.3	-10.2	-13.9	-13.4	-16.8	-15.6	-14.8	-8.7	40.0
50.0	0.3	1.3	2.1	-0.1	-0.7	-1.5	0.7	-0.7	1.0	3.0	5.5	7.7	8.5	11.2	14.3	15.9	17.9	17.1	15.2	16.6	10.2	5.9	0.9	0.6	-8.7	-12.3	-14.9	-15.9	-15.9	-16.5	-9.2	-7.7	50.0
60.0	3.5	4.6	2.3	1.0	-1.2	-1.9	-0.7	-0.1	-1.4	4.1	9.7	10.5	9.6	12.4	14.4	16.7	17.5	16.6	17.9	14.5	12.8	7.3	4.3	-4.0	-8.6	-12.7	-14.1	-17.9	-17.1	-11.0	-10.9	-9.8	60.0

# ONION GRID.

L.1300S. VLF DATA (23.4kHz)

QZ	17.0	20.0	27.0	32.0	36.0	37.0	36.0	33.0	29.0	28.0	27.0	23.0	23.0	20.0	19.0	18.0	17.0	17.0	16.0	13.0	10.0	6.0	0.0	-3.0	-6.0	-10.0	-9.0	-9.0	-8.0
I%I	10.0	11.0	14.0	18.0	18.0	10.0	8.0	13.0	16.0	15.0	13.0	13.0	11.0	8.0	5.0	3.0	0.0	2.0	0.0	-3.0	-5.0	-10.0	-15.0	-14.0	-15.0	-15.0	-15.0	-19.0	-17.0
FFFLT	-11.0	-11.0	-11.0	4.0	18.0	7.0	-11.0	-10.0	1.0	5.0	4.0	7.0	11.0	11.0	10.0	6.0	1.0	5.0	10.0	12.0	17.0	14.0	4.0	1.0	1.0	4.0	6.0		

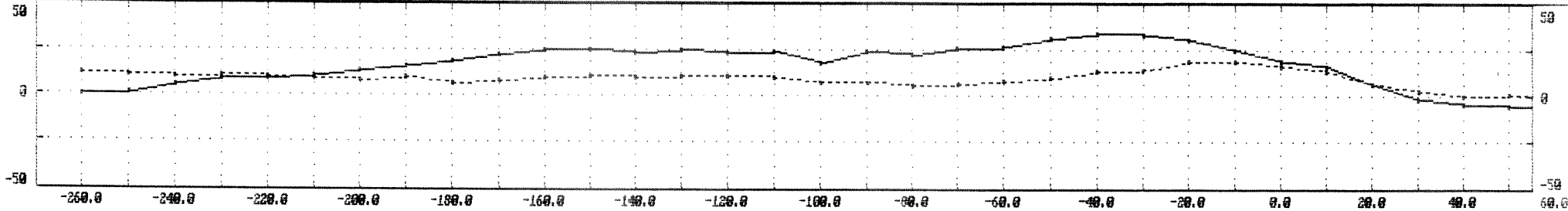


10.0	1	-3.9	-4.1	-2.1	3.9	5.1	-1.5	-3.7	-1.1	1.4	1.3	1.0	3.6	4.1	3.3	3.6	1.4	0.7	3.8	3.6	4.7	6.5	2.9	0.7	1.5	-0.1	2.5	1.3	-0.8
20.0	1	-9.3	-6.2	-0.9	1.8	2.1	1.0	-2.8	-2.3	1.4	4.5	4.2	4.4	6.5	7.5	5.0	4.7	5.1	4.3	8.1	9.6	7.4	6.5	3.8	1.1	3.9	2.3	2.0	1.7
30.0	8	-15.2	-4.6	-0.5	-1.8	-2.0	0.9	2.0	-2.0	-1.5	3.2	7.6	9.1	9.7	7.4	7.0	7.4	7.2	9.2	10.1	10.9	10.0	8.4	6.8	6.2	2.2	3.3	3.0	3.2
40.0	8	-8.7	-8.0	-5.7	-3.9	-3.1	-0.4	2.0	2.9	1.1	1.8	6.2	10.2	8.8	8.9	11.2	10.7	11.1	12.2	10.8	10.3	11.5	10.3	11.0	8.8	5.8	3.0	3.7	3.1
50.0	2	-7.7	-9.0	-11.6	-5.8	-1.7	-1.3	1.9	6.0	6.8	3.6	3.9	5.9	8.2	10.3	11.4	14.5	16.0	14.1	13.1	11.3	9.4	13.4	11.7	10.3	9.3	6.8	3.9	4.5
60.0	9	-9.8	-10.9	-8.2	-8.0	-3.0	1.4	2.4	5.5	8.3	9.6	3.8	3.2	8.3	11.0	13.2	15.0	15.9	16.1	14.2	12.7	14.2	11.6	12.1	11.1	10.2	9.9	7.3	4.7

# ONION GRID.

L.1200S. ULF DATA (23.4kHz)

Q%	12.0	11.0	10.0	11.0	10.0	9.0	8.0	10.0	6.0	8.0	10.0	11.0	10.0	11.0	11.0	10.0	7.0	7.0	5.0	6.0	8.0	10.0	13.0	14.0	19.0	19.0	16.0	13.0	6.0	3.0	0.0	1.0	3.0
I%	0.0	1.0	5.0	9.0	9.0	11.0	13.0	16.0	19.0	22.0	25.0	25.0	23.0	25.0	23.0	24.0	18.0	24.0	22.0	26.0	27.0	31.0	34.0	33.0	30.0	25.0	19.0	16.0	6.0	-2.0	-4.0	-5.0	-5.0
FRELI		-13.0	-12.0	-6.0	-6.0	-9.0	-11.0	-12.0	-12.0	-9.0	-1.0	2.0	0.0	1.0	6.0	5.0	-4.0	-6.0	-7.0	-10.0	-12.0	-9.0	2.0	12.0	19.0	20.0	22.0	31.0	29.0	13.0	4.0	0.0	

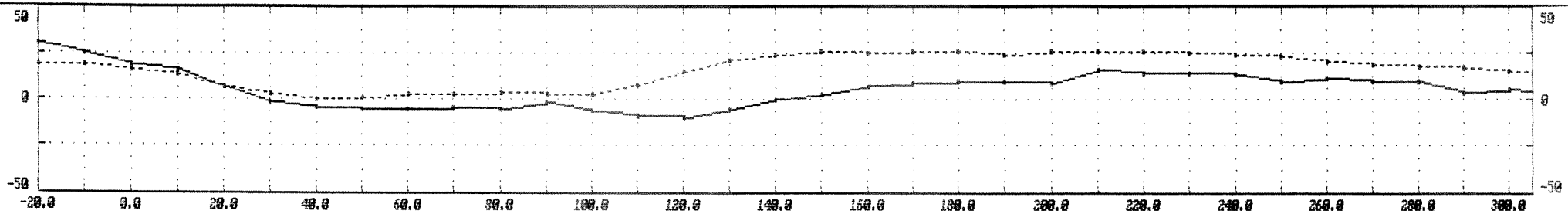


10.0	-2.3	-3.0	-5.3	-3.0	-2.2	-3.3	-3.5	-4.3	-4.1	-3.9	-2.4	0.9	-0.3	0.7	0.4	2.0	-0.2	-2.5	-1.3	-4.0	-3.0	-4.3	-0.8	2.7	5.1	8.0	7.2	9.2	11.8	6.8	3.1	1.6
20.0	-2.9	-6.8	-5.7	-6.5	-5.9	-5.5	-6.8	-7.7	-7.7	-5.8	-2.6	-2.5	0.1	-0.3	1.8	-0.3	-0.1	-1.6	-5.1	-3.4	-5.6	-3.1	-0.6	5.4	9.8	10.8	14.5	16.5	14.8	13.6	8.4	3.5
30.0	-3.9	-5.6	-8.0	-7.5	-8.7	-8.1	-8.1	-9.4	-9.5	-7.0	-7.1	-3.7	-2.8	2.0	-1.2	-0.6	-0.9	-1.8	-2.9	-7.0	-2.5	-2.2	2.9	5.8	9.7	16.2	20.4	19.9	18.1	15.2	12.8	7.6
40.0	-1.8	-4.5	-6.7	-10.0	-9.9	-11.6	-11.1	-9.3	-9.0	-9.4	-8.1	-7.1	-1.4	-2.4	1.5	-0.3	-1.3	-1.9	-4.8	-3.4	-5.3	0.5	3.1	6.7	13.4	20.3	23.1	22.6	19.5	16.1	12.4	9.6
50.0	-0.8	-2.8	-6.7	-9.6	-13.3	-13.8	-14.1	-10.8	-9.8	-8.2	-7.5	-2.5	-4.2	-0.9	-1.1	0.1	-2.4	-5.2	-3.9	-3.9	-0.9	-0.4	5.4	10.2	16.8	18.4	21.0	21.6	20.5	19.1	15.0	13.3
60.0	0.0	-3.4	-6.9	-10.4	-14.3	-15.3	-12.7	-12.6	-8.7	-6.6	-2.1	-3.7	-1.9	-2.9	-2.6	-4.0	-4.7	-5.3	-4.3	-0.2	2.4	4.4	5.9	13.0	13.5	16.1	16.9	19.1	22.4	19.3	20.2	19.2

# ONION GRID.

L. 1200S. ULF DATA (23.4kHz)

QZ	19.0	19.0	16.0	13.0	6.0	3.0	0.0	1.0	3.0	3.0	4.0	3.0	3.0	8.0	15.0	21.0	24.0	26.0	25.0	26.0	26.0	24.0	26.0	26.0	26.0	25.0	24.0	23.0	20.0	19.0	18.0	17.0	15.0	14.0
IX	30.0	25.0	19.0	16.0	6.0	-2.0	-4.0	-5.0	-5.0	-4.0	-5.0	-2.0	-6.0	-9.0	-10.0	-5.0	0.0	3.0	7.0	9.0	10.0	10.0	9.0	16.0	14.0	14.0	13.0	10.0	12.0	10.0	10.0	4.0	5.0	3.0
FREQ	19.0	20.0	22.0	31.0	28.0	13.0	4.0	0.0	-1.0	-2.0	-1.0	9.0	11.0	0.0	-14.0	-18.0	-15.0	-13.0	-9.0	-4.0	0.0	-5.0	-11.0	-3.0	3.0	5.0	5.0	1.0	2.0	9.0	11.0	6.0	5.0	

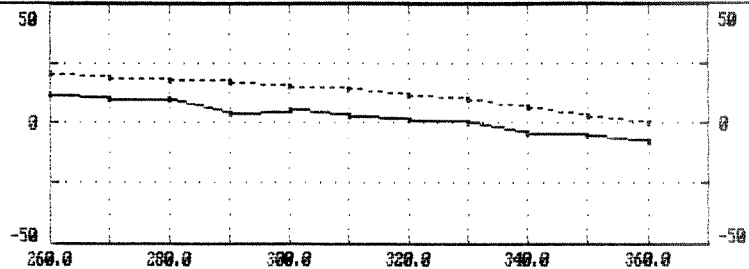


10.0	1	3.0	7.2	9.2	11.3	6.3	3.1	1.6	-0.6	0.4	-0.8	0.0	3.7	1.6	-2.4	-6.2	-5.3	-5.1	-4.3	-2.2	-1.8	0.3	-3.6	-2.9	1.4	-0.1	2.7	0.7	0.8	1.6	3.7	3.5	1.1	10.0
20.0	3	10.8	14.5	16.5	14.8	13.6	8.4	3.5	2.8	0.0	0.8	2.3	2.0	0.7	-4.2	-7.5	-10.0	-8.6	-6.5	-5.0	-2.6	-4.8	-3.1	-2.9	-2.4	3.9	1.7	2.3	2.0	4.3	5.1	5.3	6.2	20.0
30.0	7	16.2	20.4	19.9	18.1	15.2	12.8	7.6	1.3	2.2	3.5	4.0	1.8	-2.3	-3.8	-8.3	-11.2	-12.0	-8.7	-5.4	-7.2	-4.7	-3.4	-2.8	-0.6	-2.1	3.4	3.0	6.6	5.4	5.0	7.3	7.6	30.0
40.0	4	20.3	23.1	22.6	19.5	16.1	12.4	9.6	6.7	4.8	5.2	1.3	-0.9	-2.1	-5.4	-4.3	-8.5	-10.8	-11.0	-12.0	-7.8	-5.8	-2.8	-0.2	-1.0	-0.4	-1.1	6.8	5.5	7.2	8.3	7.1	10.7	40.0
50.0	8	18.4	21.0	21.6	20.5	19.1	15.0	13.3	13.2	8.4	1.7	-1.7	-2.9	-4.5	-4.5	-5.4	-3.6	-6.1	-11.7	-12.1	-10.0	-6.9	-3.3	-1.8	0.8	1.1	4.5	3.0	7.6	7.5	8.6	10.9	10.2	50.0
60.0	5	16.1	16.9	19.1	22.4	19.3	20.2	19.2	16.3	12.0	2.5	-2.4	-5.9	-6.3	-6.5	-5.4	-4.1	-6.0	-6.9	-9.3	-9.6	-5.3	-4.4	-2.4	-0.1	4.6	4.8	5.8	6.1	10.8	11.4	11.6	12.7	60.0

# ONION GRID.

L.1200S. VLF DATA (23.4khz)

QX	20.0	19.0	18.0	17.0	15.0	14.0	12.0	10.0	6.0	3.0	0.0
I%	12.0	10.0	10.0	4.0	5.0	3.0	1.0	0.0	-4.0	-5.0	-8.0
FRELT	2.0	3.0	11.0	6.0	5.0	7.0	8.0	10.0	9.0		

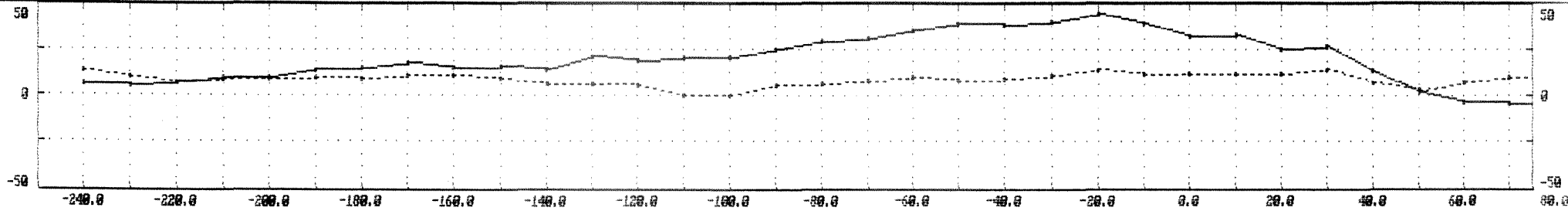


10.0	1.0	1.6	3.7	3.5	1.1	3.4	2.1	3.7	3.7	3.1	4.1
20.0	2.0	4.3	5.1	5.3	6.2	3.4	6.5	6.2	6.8	7.3	6.8
30.0	3.0	5.4	5.0	7.3	7.6	9.9	7.1	9.5	9.5	10.5	11.2
40.0	4.0	7.2	8.3	7.1	10.7	10.3	12.0	11.1	12.8	13.3	13.6
50.0	5.0	7.5	8.6	10.9	10.2	13.1	13.9	15.5	13.7	15.8	16.8
60.0	6.0	10.8	11.4	11.6	12.7	13.0	16.2	16.5	18.5	16.9	19.1

# ONION GRID.

L.1100S. ULF DATA (23.4khz)

Q%	13.0	10.0	7.0	9.0	9.0	10.0	9.0	11.0	11.0	9.0	6.0	6.0	5.0	0.0	0.0	5.0	6.0	8.0	10.0	8.0	9.0	11.0	14.0	12.0	12.0	12.0	12.0	14.0	7.0	3.0	7.0	10.0	12.0
I%	6.0	5.0	7.0	10.0	10.0	14.0	15.0	18.0	15.0	16.0	14.0	21.0	19.0	20.0	20.0	25.0	29.0	31.0	35.0	39.0	38.0	40.0	44.0	39.0	32.0	33.0	25.0	27.0	13.0	2.0	-3.0	-4.0	-7.0
FRFLT	-6.0	-8.0	-7.0	-9.0	-9.0	-4.0	2.0	3.0	-4.0	-10.0	-4.0	0.0	-6.0	-14.0	-15.0	-12.0	-14.0	-11.0	-4.0	-7.0	-5.0	13.0	19.0	13.0	13.0	19.0	37.0	41.0	22.0	10.0	7.0		

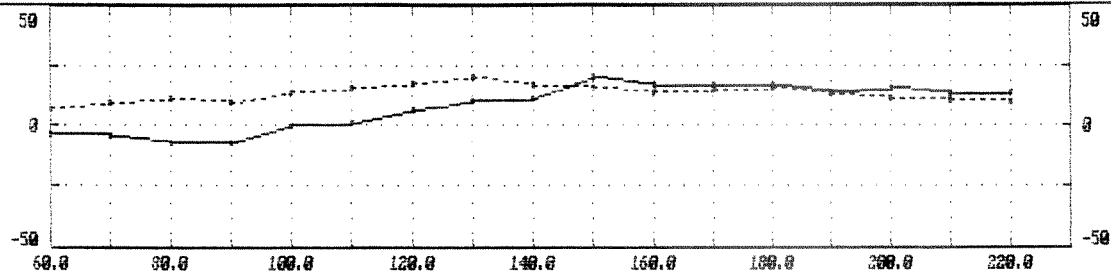


10.0	-0.1	-0.7	-3.5	-2.1	-3.1	-3.1	-2.6	-0.3	0.3	0.3	-2.0	-3.1	0.0	-1.3	-3.2	-6.0	-4.4	-4.4	-5.5	-2.7	-0.8	-3.1	0.8	7.6	3.6	6.4	6.0	8.5	16.1	10.4	5.7	3.0	10.0
20.0	-1.0	-3.2	-2.5	-5.3	-4.8	-5.4	-3.7	-2.0	-0.2	-2.9	-3.9	-3.6	-4.6	-3.5	-6.7	-7.6	-10.4	-8.5	-5.0	-5.5	-5.4	-0.1	4.4	6.2	13.1	8.9	12.5	19.6	17.9	18.9	12.4	5.8	20.0
30.0	-2.0	-2.1	-5.6	-5.6	-8.0	-4.9	-4.5	-3.7	-5.8	-4.3	-3.5	-5.0	-6.9	-10.6	-6.8	-9.3	-10.4	-10.1	-8.8	-7.5	-2.3	4.0	4.9	8.3	8.3	17.8	21.2	19.8	21.0	18.4	19.6	8.7	30.0
40.0	-1.8	-4.5	-5.6	-7.8	-6.3	-7.6	-5.8	-8.2	-6.8	-5.2	-5.0	-5.7	-8.9	-9.7	-11.9	-10.6	-10.0	-9.0	-11.0	-5.3	0.2	0.2	5.7	7.1	13.2	20.0	25.1	22.4	21.2	22.2	14.0	16.0	40.0
50.0	-4.3	-5.2	-7.6	-6.7	-8.1	-6.2	-10.7	-8.8	-6.9	-6.0	-6.8	-7.6	-7.2	-10.2	-11.3	-11.4	-9.2	-12.1	-9.0	-6.5	-4.2	1.7	1.4	11.1	19.2	21.3	23.7	27.6	25.1	17.2	17.9	10.8	50.0
60.0	-5.0	-7.5	-6.1	-7.0	-6.4	-10.1	-7.7	-8.7	-6.9	-8.1	-8.7	-6.8	-9.5	-9.9	-10.4	-11.1	-16.0	-10.4	-8.4	-9.2	-4.6	-3.5	7.4	14.8	20.3	24.0	24.7	26.4	24.0	21.2	14.1	11.5	60.0

# ONION GRID.

L.1100S. ULF DATA (23.4khz)

0% 7.0 10.0 12.0 10.0 14.0 16.0 18.0 20.0 17.0 16.0 14.0 15.0 16.0 13.0 12.0 11.0 10.0  
 1% -3.0 -4.0 -7.0 -7.0 0.0 1.0 6.0 11.0 12.0 20.0 17.0 17.0 14.0 16.0 13.0 14.0  
 FREQ 10.0 7.0 -4.0 -15.0 -14.0 -16.0 -16.0 -15.0 -14.0 -2.0 3.0 3.0 4.0 2.0 3.0

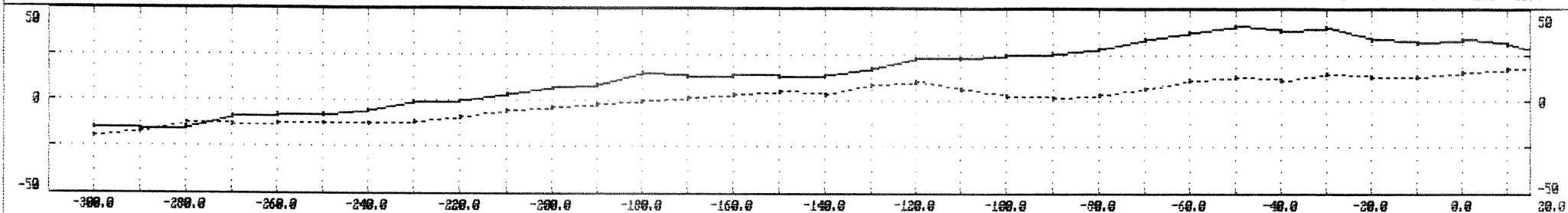


10.0	17	3.0	2.0	-4.6	-5.3	-4.2	-7.7	-4.0	-6.0	-3.6	1.7	-0.0	2.3	0.6	0.7	1.5	-0.6	10.0
20.0	4	5.8	-0.8	-1.6	-6.8	-10.2	-7.4	-11.1	-7.5	-4.6	-3.6	2.2	-0.1	1.6	1.4	0.6	1.5	20.0
30.0	6	0.7	2.0	-3.9	-6.2	-3.9	-12.5	-0.6	-8.8	-6.7	-2.6	-3.6	2.3	0.5	0.6	0.8	-0.1	30.0
40.0	0	16.0	5.3	-3.2	-5.8	-11.7	-11.4	-10.8	-7.3	-4.8	-4.4	-1.0	-1.9	2.5	0.3	0.1	0.9	40.0
50.0	9	10.8	9.1	1.3	-8.4	-9.9	-9.7	-11.1	-9.1	-6.3	-3.7	-2.2	1.1	0.3	3.4	1.2	0.9	50.0
60.0	11	11.5	6.7	3.5	-2.4	-9.0	-10.0	-0.5	-11.0	-9.2	-4.6	-3.8	-1.3	1.8	1.8	6.6	3.2	60.0

# ONION GRID.

L.1000S, ULF DATA (23.4kHz)

Q%	-19.0	-17.0	-12.0	-13.0	-12.0	-12.0	-12.0	-11.0	-9.0	-5.0	-3.0	-2.0	0.0	2.0	4.0	5.0	4.0	9.0	11.0	6.0	3.0	2.0	4.0	7.0	12.0	13.0	12.0	15.0	13.0	13.0	16.0	18.0	17.0
I%	-15.0	-16.0	-15.0	-9.0	-8.0	-8.0	-5.0	-1.0	0.0	4.0	7.0	9.0	15.0	13.0	14.0	13.0	14.0	18.0	23.0	23.0	25.0	26.0	28.0	34.0	37.0	41.0	38.0	40.0	34.0	32.0	34.0	31.0	24.0
FRFLI	-7.0	-14.0	-8.0	-4.0	-10.0	-12.0	-10.0	-12.0	-12.0	-13.0	-12.0	-3.0	1.0	0.0	-5.0	-14.0	-14.0	-7.0	-5.0	-6.0	-11.0	-17.0	-16.0	-8.0	0.0	5.0	12.0	8.0	1.0	11.0	22.0	21.0	

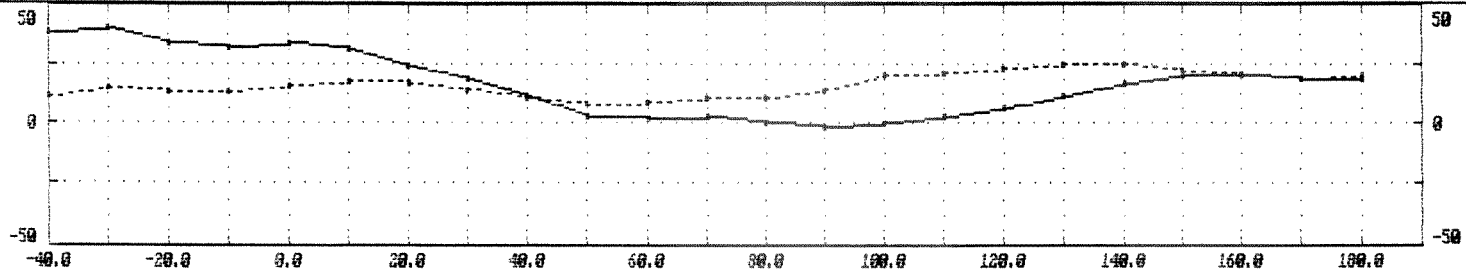


10.0	-0.4	-0.3	-4.3	-4.5	-1.5	-2.7	-4.8	-3.6	-3.8	-5.4	-3.3	-5.4	-2.7	0.1	-1.0	-0.5	-3.3	-5.6	-3.5	-2.1	-3.0	-2.5	-5.6	-5.5	-4.8	-0.8	0.6	2.0	5.3	0.9	2.1	7.1	10.0
20.0	-0.4	-4.6	-4.7	-5.5	-7.0	-5.8	-6.3	-8.6	-8.3	-6.6	-9.5	-6.9	-6.0	-3.9	-1.0	-4.2	-6.6	-7.4	-7.6	-6.1	-3.9	-7.6	-7.9	-8.8	-6.2	-3.8	2.1	5.6	3.1	6.9	7.6	9.0	20.0
30.0	-3.8	-5.0	-5.6	-7.3	-9.7	-9.7	-8.3	-9.7	-11.3	-13.8	-10.5	-10.4	-7.0	-6.2	-7.9	-7.5	-8.7	-8.6	-9.7	-9.0	-9.9	-8.2	-10.8	-7.5	-7.8	-2.7	2.6	3.4	6.7	8.6	12.6	13.0	30.0
40.0	-4.6	-4.7	-6.8	-9.3	-9.2	-12.6	-14.2	-12.0	-15.1	-13.9	-12.8	-11.0	-11.2	-11.7	-12.4	-10.8	-7.7	-9.2	-10.0	-13.2	-14.2	-13.3	-7.7	-7.9	-3.1	-2.3	-2.6	2.0	7.4	12.5	14.7	19.8	40.0
50.0	-3.4	-5.5	-8.3	-10.0	-12.7	-14.2	-16.0	-18.8	-14.7	-15.0	-14.9	-13.4	-13.6	-15.4	-12.9	-12.2	-11.8	-8.9	-12.6	-13.3	-15.2	-12.9	-12.2	-5.8	-4.6	-4.9	-2.9	2.3	7.2	12.2	19.1	18.2	50.0
60.0	-5.0	-7.8	-9.1	-12.0	-14.3	-16.3	-19.2	-19.1	-18.7	-15.0	-14.3	-16.0	-17.3	-14.5	-14.7	-12.8	-12.1	-13.6	-11.8	-15.8	-13.6	-15.0	-11.7	-9.3	-8.1	-6.4	-2.0	1.4	6.8	15.5	18.2	20.1	60.0

# ONION GRID.

L.1000S. ULF DATA (23.4kHz)

Q% 12.0 15.0 13.0 13.0 16.0 18.0 17.0 14.0 11.0 8.0 9.0 11.0 11.0 14.0 20.0 21.0 23.0 25.0 25.0 22.0 20.0 19.0 20.0  
 IX 38.0 40.0 34.0 32.0 34.0 31.0 24.0 19.0 12.0 3.0 2.0 3.0 0.0 -2.0 0.0 3.0 6.0 12.0 17.0 20.0 20.0 19.0 19.0  
 FRELI 5.0 12.0 8.0 1.0 11.0 22.0 24.0 28.0 26.0 10.0 2.0 7.0 5.0 -5.0 -11.0 -15.0 -20.0 -19.0 -11.0 -2.0 2.0



10.0	16	2.0	5.3	0.9	2.1	7.1	3.4	3.3	10.5	7.1	1.4	2.1	2.7	-0.4	-3.4	-4.3	-6.3	-7.2	-5.3	-2.6	0.0	0.3	0.3	10.0
20.0	11	5.6	3.1	6.9	7.6	9.0	14.3	18.3	13.8	10.0	8.2	3.8	1.5	0.4	-3.3	-0.5	-10.1	-9.9	-8.6	-5.0	-2.2	-0.4	-0.1	20.0
30.0	16	3.4	6.7	8.6	12.6	13.0	17.2	18.6	16.7	13.9	12.2	7.0	0.9	-0.7	-3.3	-8.0	-11.2	-10.9	-9.4	-7.6	-4.1	-1.6	-0.1	30.0
40.0	16	2.0	7.4	12.5	14.7	19.8	16.6	14.6	18.0	18.4	14.3	10.5	4.5	-3.5	-7.0	-8.1	-9.1	-9.4	-9.0	-7.6	-6.3	-3.5	-0.7	40.0
50.0	19	2.3	7.2	12.2	19.1	18.2	19.4	18.2	18.3	18.5	15.5	9.9	4.7	-1.6	-8.0	-8.7	-6.9	-8.9	-9.6	-7.5	-5.9	-4.8	-1.6	50.0
60.0	10	1.4	6.8	15.5	18.2	20.1	20.4	22.7	18.2	15.5	15.3	10.0	3.7	-0.8	-4.2	-7.9	-8.3	-6.9	-8.3	-8.7	-7.6	-5.4	-3.3	60.0



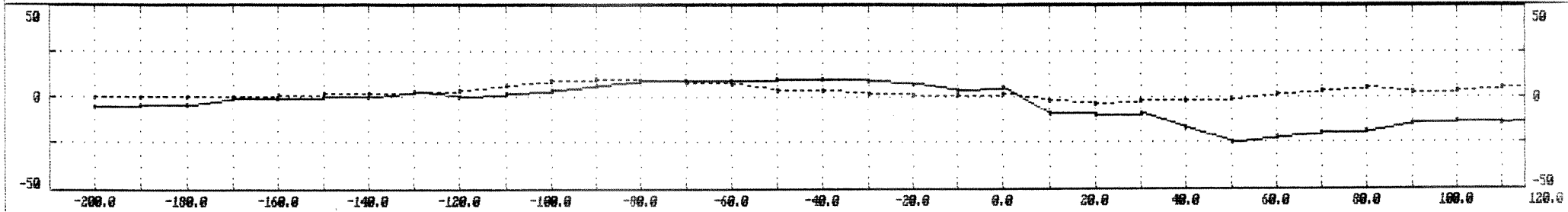




# ONION GRID.

L.700S. ULF DATA (23.4khz)

QZ	0.0	0.0	0.0	0.0	1.0	2.0	2.0	3.0	4.0	6.0	9.0	10.0	9.0	8.0	7.0	4.0	4.0	2.0	1.0	1.0	2.0	-2.0	-3.0	-2.0	-2.0	-1.0	2.0	4.0	5.0	3.0	4.0	5.0	5.0
IX	-5.0	-4.0	-4.0	-1.0	-1.0	0.0	0.0	3.0	0.0	2.0	4.0	6.0	9.0	9.0	9.0	10.0	10.0	9.0	7.0	4.0	5.0	-9.0	-10.0	-9.0	-17.0	-25.0	-22.0	-19.0	-10.0	-14.0	-13.0	-14.0	-11.0
FREQI	-4.0	-6.0	-4.0	-2.0	-4.0	-3.0	1.0	-3.0	-0.0	-9.0	-9.0	-9.0	-3.0	-1.0	-2.0	0.0	4.0	0.0	7.0	15.0	20.0	15.0	7.0	23.0	21.0	-1.0	-10.0	-9.0	-10.0	-5.0	-2.0	-10.0	-16.0

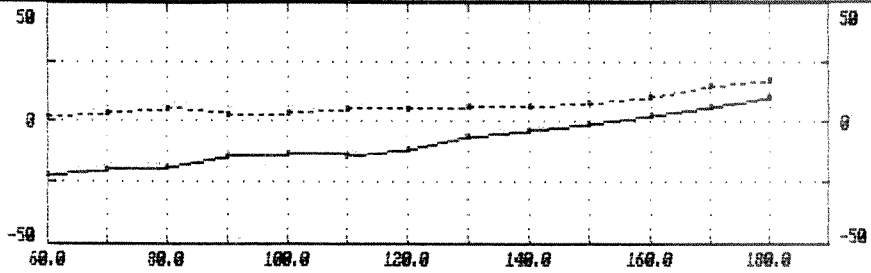


10.0	-1.4	-0.7	-2.1	-2.0	-1.0	-0.7	-1.9	-0.4	0.2	-3.0	-2.3	-3.3	-2.2	-0.4	-0.8	-0.4	1.0	1.7	4.4	2.1	0.1	10.1	1.7	5.7	9.3	3.0	-2.9	-2.0	-3.4	-3.6	-0.9	-2.2
20.0	-0.5	-3.1	-2.3	-2.3	-2.9	-3.1	-1.5	-2.0	-3.0	-2.3	-5.6	-4.4	-2.9	-1.9	-0.9	1.0	2.3	3.8	4.3	12.4	11.1	8.2	13.5	10.0	7.4	7.2	2.0	-6.8	-5.4	-2.5	-4.8	-6.6
30.0	-1.6	-2.3	-3.8	-3.5	-4.5	-2.8	-2.3	-3.6	-4.1	-5.6	-3.5	-5.4	-3.3	-2.4	-0.5	2.2	4.8	3.6	11.3	11.5	10.3	14.0	17.0	15.8	6.1	4.8	2.9	-1.7	-6.0	-6.3	-8.6	-9.6
40.0	-1.6	-2.6	-3.1	-5.4	-3.0	-3.5	-4.5	-3.6	-5.5	-3.8	-3.9	-3.3	-4.0	-2.3	-0.4	2.3	3.0	9.9	10.5	10.9	14.7	18.5	15.7	12.2	12.3	2.2	0.9	2.0	-4.4	-11.3	-11.5	-11.5
50.0	-1.3	-1.8	-3.8	-2.5	-3.9	-4.5	-3.7	-5.4	-4.0	-3.4	-2.7	-4.0	-2.2	-3.1	-1.2	-1.2	8.1	10.1	9.5	13.8	18.7	16.5	14.2	12.0	8.0	7.9	0.6	-1.5	-3.8	-9.9	-15.7	-15.6
60.0	0.1	-1.9	-0.9	-1.2	-2.8	-4.7	-5.1	-4.0	-4.3	-4.3	-4.5	-3.8	-3.4	-0.6	-3.1	5.3	6.6	7.1	13.0	17.1	15.2	14.1	13.2	10.1	8.0	7.0	5.4	-5.3	-7.5	-8.0	-14.5	-20.6

# ONION GRID.

L.700S. ULF DATA (23.4kHz)

Q%	2.0	4.0	5.0	3.0	4.0	5.0	5.0	6.0	6.0	8.0	11.0	15.0	18.0
I%	-22.0	-19.0	-18.0	-14.0	-13.0	-14.0	-11.0	-6.0	-3.0	-1.0	3.0	6.0	11.0
FRELI	-10.0	-9.0	-10.0	-5.0	-2.0	-10.0	-16.0	-13.0	-11.0	-13.0	-15.0		



10.0	9	-2.0	-3.4	-3.6	-0.9	-2.2	-5.2	-5.4	-4.0	-4.9	-5.3	-5.3	-6.7	10.0
20.0	0	-6.8	-5.4	-2.5	-4.8	-4.6	-7.7	-9.6	-10.2	-8.8	-10.2	-12.0	-12.1	20.0
30.0	9	-1.7	-6.0	-6.3	-8.6	-9.6	-8.7	-11.5	-14.8	-16.0	-15.5	-16.2	-17.3	30.0
40.0	9	2.0	-4.4	-11.3	-11.5	-11.5	-12.8	-13.4	-16.1	-19.2	-20.9	-21.7	-22.3	40.0
50.0	6	-1.5	-3.8	-9.9	-15.7	-15.6	-15.8	-18.5	-18.6	-20.0	-24.7	-25.8	-25.5	50.0
60.0	4	-5.3	-7.5	-8.0	-14.5	-20.6	-22.0	-21.9	-23.8	-24.2	-25.9	-28.9	-29.7	60.0





# ARCHER, CATHRO

& ASSOCIATES LIMITED

CONSULTING GEOLOGICAL ENGINEERS

VANCOUVER, B.C. (604) 688-2568

Box 4127, WHITEHORSE, Y.T. Y1A 3S9 (403) 667-4415

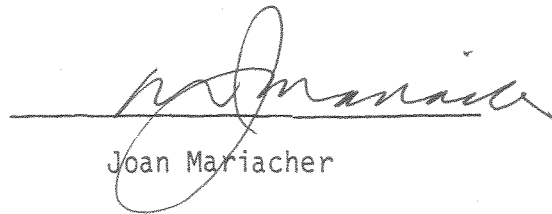


1016 - 510 WEST HASTINGS STREET  
VANCOUVER, B.C. V6B 1L8

## AFFIDAVIT

I, Joan Mariacher, of Vancouver, B.C. make oath and say:

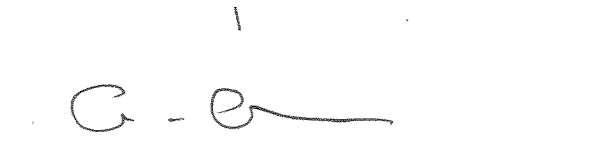
That to the best of my knowledge the attached Statement of Expenditures for exploration work on the Onion 1-25 mineral claims on Claim Sheet 115F/15 & K/2 is accurate.

  
Joan Mariacher

Sworn before me at Vancouver, B.C.

this 4th day of

April, 1989



Notary, Yukon Territory

Statement of Expenditures  
Onion 1 - 25 Mineral Claims  
April 3, 1989

Helicopter

Trans North Air 206B - 6 hours at \$508.75/hr  
plus 8.4 hours at \$495/hr plus fuel \$ 7,449.41

Geophysical Survey

Delta Geoscience Ltd. - EM and mag survey 3,650.26

\$11,099.67



REMIT PAYMENT TO:  
**TRANS NORTH AIR**  
 TRANS NORTH TURBO AIR LTD.  
 AIRPORT HANGAR "C" • WHITEHORSE • YUKON • Y1A 3E4  
 TELEPHONE (403) 668-2177 FAX (403) 668-3420

ACCOUNT NUMBER	ARCHCAT		
INVOICE NUMBER	79872		
INVOICE DATE	08	08	88
A/C TYPE	B706 GTMD		
FLIGHT DATE	04	08	88
PURCHASE ORDER NO.	CASUAL		

CHARTERER ARCHER CATARO

Box 4127.

BILLING ADDRESS  
WHITEHORSE Y1A 3E4.

FUEL & OIL-X	TNTA FUEL USED	HRS./LITRES	FROM
TNTA	CUST.		
	<input checked="" type="checkbox"/>		

FROM	MILES	HOURS	ZONE	REMARKS - NO. OF PASS.	FREIGHT Kg
QUILL CR.					
TO WHITE RIVER LODGE				2 DAY OVER.	
MILES CR. AREA.				SANDY + 3 OUT	
WHITE RIVER LODGE				OF MILES CR.	
QUILL CREEK		1.7		2 DAY BACK.	
NORCOL - FISH.		0.8		2 GOFF. DARRYL.	
0.8 Williams		4.40			
1.7 Onim		9.80			

SUB	GL	AMOUNT
100	3502	1,375.00

2.5 @	550.00	1,375.00
@		
@		
@		

TERMS: PAYABLE UPON RECEIPT OF INVOICE. 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X [Signature]

CHARTERER'S SIGNATURE

[Signature]

PILOT'S SIGNATURE

INITIALS CO-PILOT'S NAME

ENGINEER'S NAME

CYCLES

WAITING TIME	@	/HR.
FUEL:	@	/LITRE
FUEL:	@	/LITRE
MEALS & LODGING		
OTHER		
OTHER		

**TOTAL \$ 1,375.00**

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF. TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

**THIS IS YOUR ONLY INVOICE — PAY UPON RECEIPT**



# TRANS NORTH AIR

TRANS NORTH TURBO AIR LTD.

AIRPORT HANGAR "C" • WHITEHORSE • YUKON TERRITORY • Y1A 3E4  
TELEPHONE: (403) 668-2177 • FAX: (403) 668-3420

TO: [

]

ARCHER CATHRO & ASSOCIATES  
Box 4127  
Whitehorse, YT  
Y1A 3S9

L

]

DATE August 1, 1988

INVOICE NO. 154-8

P.O. NO.

ACCOUNT NO. ARCHCAT

TO: CREDIT you for the following:

RE: 20.8 hours flown, was billed at full rate (550.00)  
These hours should have been billed at 7.5% discount  
rate (508.75).

Credit you for the difference  
(as per attached) \$(858.00)

CREDIT INVOICE TOTAL \$(858.00)

*Chilkat - 189.75*  
*Den - 218.62*  
*Wellygreen - 304.76*  
*Onion - 70.12*  
*Arch - 12.37*  
*Lindw - 12.38*



REMIT PAYMENT TO:  
**TRANS NORTH AIR**  
 TRANS NORTH TURBO AIR LTD  
 AIRPORT HANGAR "C" • WHITEHORSE • YUKON • Y1A 3E4  
 TELEPHONE (403) 668-2177 FAX (403) 668-3420

ACCOUNT NUMBER	ARCHCAT		
INVOICE NUMBER	81772		
INVOICE DATE	24	08	88
A/C TYPE	BH06	AIRCRAFT REGISTRATION C	
FLIGHT DATE	23	08	88
PURCHASE ORDER NO.			
CASUAL			

**ARCHER CATHRO**  
 CHARTERER & ASSOCIATES  
 Box 4127  
 BILLING ADDRESS  
 WHITEHORSE Y1A 3S9

FUEL & OIL X	TNTA FUEL USED	150	LITRES	FROM
TNTA CUST.	YXY			

FROM	MILES	HOURS	ZONE	REMARKS - NO. OF PASS.	FREIGHT Kg
WHITEHORSE					
WHITERIVER LODGE				SANDY OUT OF XY	
NUTZOTIN RANGE				3 OUT OF W.R. LODGE	
ONION CREEK		3.7		MOVE CAMP	
WELLGREEN.				INTO ONION CR	
LINDA TARGETS		0.6		(6 SLING LOADS)	
HS		1.2			
<del>WHITEHORSE</del>		<del>2.8</del>			

SUB	G.L.	AMOUNT
1012502		279813
1012511		8550

TERMS: PAYABLE UPON RECEIPT OF INVOICE. 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

WAITING TIME	150 @	/HR.	
FUEL	220 @	.57 LITRE	8550
FUEL	@	/LITRE	
MEALS & LODGING			
OTHER			
OTHER			

CHARTERER'S SIGNATURE: *[Signature]*  
 PILOT'S SIGNATURE: *[Signature]*  
 CO-PILOT'S NAME: *[Signature]*  
 ENGINEER'S NAME: *[Signature]*  
 CYCLES: *[Signature]*

**TOTAL \$ 2,883.63**

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF. TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

**THIS IS YOUR ONLY INVOICE — PAY UPON RECEIPT**



REMIT PAYMENT TO:  
**TRANS NORTH AIR**  
 TRANS NORTH TURBO AIR LTD.  
 AIRPORT HANGAR "G" • WHITEHORSE • YUKON • Y1A 3E4  
 TELEPHONE (403) 668-2177 FAX (403) 668-3420

ACCOUNT NUMBER	ARCHA T
INVOICE NUMBER	82287
INVOICE DATE	31/08/88
A/C TYPE	BH06
AIRCRAFT REGISTRATION C	GP4B
FLIGHT DATE	30/08/88
PURCHASE ORDER NO.	CASUAL

Archer Cathro & Associates  
 CHARTERER  
 Box 4127  
 BILLING ADDRESS  
 Whitehorse YT 41A 3S9

FUEL & OIL X	TNTA FUEL USED	HRS./LITRES	FROM
TNTA CUST.			
✓	✓		

FROM	MILES	HOURS	REMARKS - NO. OF PASS. - WEIGHT Kg
Whitehorse			
Haines Junction - Onion		6.9	8min - 2498.5
- Arn - Walli - Moosehorn - Onion - Shant - Whitehorse		10.8	12-15 - 153v. 3p (Moosehorn) KJV - Walli - 919.40 Arn - 105.40 Shant - 510.78

SUB	G.L.	AMOUNT
1014502		5346.00
1014511		170.43

10.8 @ 495.00	5,346.00
@	
@	
@	

TERMS: PAYABLE UPON RECEIPT OF INVOICE.  
 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

x Charles Ashman  
 CHARTERER'S SIGNATURE

GAJ [Signature]  
 PILOT'S SIGNATURE

INITIALS CO-PILOT'S NAME

ENGINEER'S NAME

CYCLES

WAITING TIME	@	/HR.
FUEL:	299.0 @ 57¢	170.43
FUEL:	@	/LITRE
MEALS & LODGING		
OTHER		
OTHER		

**TOTAL \$ 5,516.43**

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.  
 TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

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REMIT PAYMENT TO:  
**TRANS NORTH AIR**  
 TRANS NORTH TURBO AIR LTD.  
 AIRPORT HANGAR "C" • WHITEHORSE • YUKON • Y1A 3E4  
 TELEPHONE (403) 688-2177 FAX (403) 688-3420

ACCOUNT NUMBER	ARCHCAT
INVOICE NUMBER	79918
INVOICE DATE	06/09/88
A/C TYPE	B706
AIRCRAFT REGISTRATION C.	GTND
FLIGHT DATE	050988
PURCHASE ORDER NO. CASUAL	

Archer Cathro, e  
 CHARTERER ASSOCIATES  
 Box 4127  
 BILLING ADDRESS  
 WHITEHORSE YT Y1A 3S9

FUEL & OIL X	TNTA FUEL USED	HRS./LITRES	FROM
TNTA CUST.	J.P.4	200	YXY

FROM	MILES	HOURS	ZONE	REMARKS - NO. OF PASS. FREIGHT Kg
Whitehorse				
White River Lodge		4.4		demobilize camp set out + pictures.
3.9 2031.55 Union Am - .4 260.45				

SUB	G.L.	AMOUNT
1003502		2178.00
1003511		114.00

TERMS: PAYABLE UPON RECEIPT OF INVOICE. 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

WAITING TIME	@	/HR.	
FUEL: 200L	@	57¢/LITRE	114.00
FUEL:	@	/LITRE	
MEALS & LODGING			
OTHER			
OTHER			

CHARTERER'S SIGNATURE: [Signature]  
 PILOT'S SIGNATURE: [Signature]  
 CO-PILOT'S NAME: [Blank]  
 ENGINEER'S NAME: Dave Hamblin  
 CYCLES: [Blank]

**TOTAL \$ 2,292.00**

CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.  
 TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.  
**THIS IS YOUR ONLY INVOICE — PAY UPON RECEIPT**

**DELTA GEOSCIENCE LTD.**

Mineral Exploration Geophysics  
Consulting and Contracting

642 English Bluff Rd.  
Delta, B.C. V4M 2N4  
Tel: (604) 943-0983



August 31, 1988.

Inv. C.036.

**INVOICE**

Archer, Cathro & Associates Ltd.,  
Box 4127, 3125 Third Avenue,  
Whitehorse, Yukon,  
Y1A 2S9.

Attn: Mr. Bob Cathro.

Re: Chilkat Project, Yukon  
-----

Charges for the period August 13-31, 1988, re the  
geophysical work on the above project, as follows:

Airfreight Vcr/Whitehorse .....	\$ 170.10.
Airfare Vcr/Whitehorse rtn.....	\$ 587.00.
19 days @ \$450.00/day .....	\$8,550.00.
	-----
	\$9,307.10.
	=====

5 days Linton - 2449.10  
 12 days Chilkat - 5878.70  
 2 days Onin - 979.70  
 -----  
 9307.10

*ml Smith/M  
#119*

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Mineral Exploration Geophysics  
Consulting and Contracting

642 English Bluff Rd.  
Delta, B.C. V4M 2N4  
Tel: (604) 943-0983



September 21, 1988.

Inv. C.045.

**INVOICE**

Archer, Cathro & Associates Ltd.,  
Box 4127, 3125 Third Avenue,  
Whitehorse, Yukon,  
Y1A 2S9.

Attn: Mr. Bob Cathro.

Re: Chilkat Project, Yukon  
-----

Charges for the period September 1 - 6, 1988, re the  
geophysical work on the above project, as follows:

6 days @ \$450.00/day.....	\$ 2,700.00.
Hotel & meals in Whitehorse.....	\$ 125.46.
Airfreight Whitehorse/Vcr.....	\$ 55.38.
	-----
	\$ 2,880.84.
	-----

4 Day Minn - 1920.56  
 1 Day Air - 480.14  
 1/2 Day Wedgreen - 240.07  
 1/2 Day Chilkat - 240.07

*Handwritten signature and date:*  
 [Signature] 7/38

**DELTA GEOSCIENCE LTD.**

Mineral Exploration Geophysics  
Consulting and Contracting

642 English Bluff Rd.  
Delta, B.C. V4M 2N4  
Tel: (604) 943-0983



October 11, 1988.

Inv. C.055.

**INVOICE**

Archer, Cathro & Associates Ltd.,  
510 West Hastings,  
Vancouver, B.C.,  
V6B 1L8.

Attn: Mr. Bob Cathro,  
Mr. Sandy Main.

Re: Data Processing and Map Preparation  
-----

Onion Project:  
2 days @ \$300.00/day..... \$ 600.00. *C*

Arn Project:  
1 day @ \$300.00/day..... \$ 300.00. *am*

Linda Project:  
2.5 days x \$300.00/day..... \$ 750.00.

-----  
\$ 1,650.00.  
-----

*JR Q dt 16/04  
#149*

**DELTA GEOSCIENCE LTD.**

Mineral Exploration Geophysics  
Consulting and Contracting

642 English Bluff Rd.  
Delta, B.C. V4M 2N4  
Tel: (604) 943-0983



October 26, 1988.

Inv. C.060.

**INVOICE**

Archer, Cathro & Associates Ltd.,  
510 West Hastings,  
Vancouver, B.C.,  
V6B 1L8.

Attn: Mr. Sandy Main.

Re: Data Processing and Map Preparation  
-----

Extension of Chilkat #1 Grid:  
Data Processing and Map Preparation:  
2.5 days @ \$300.00/day ..... \$ 750.00.

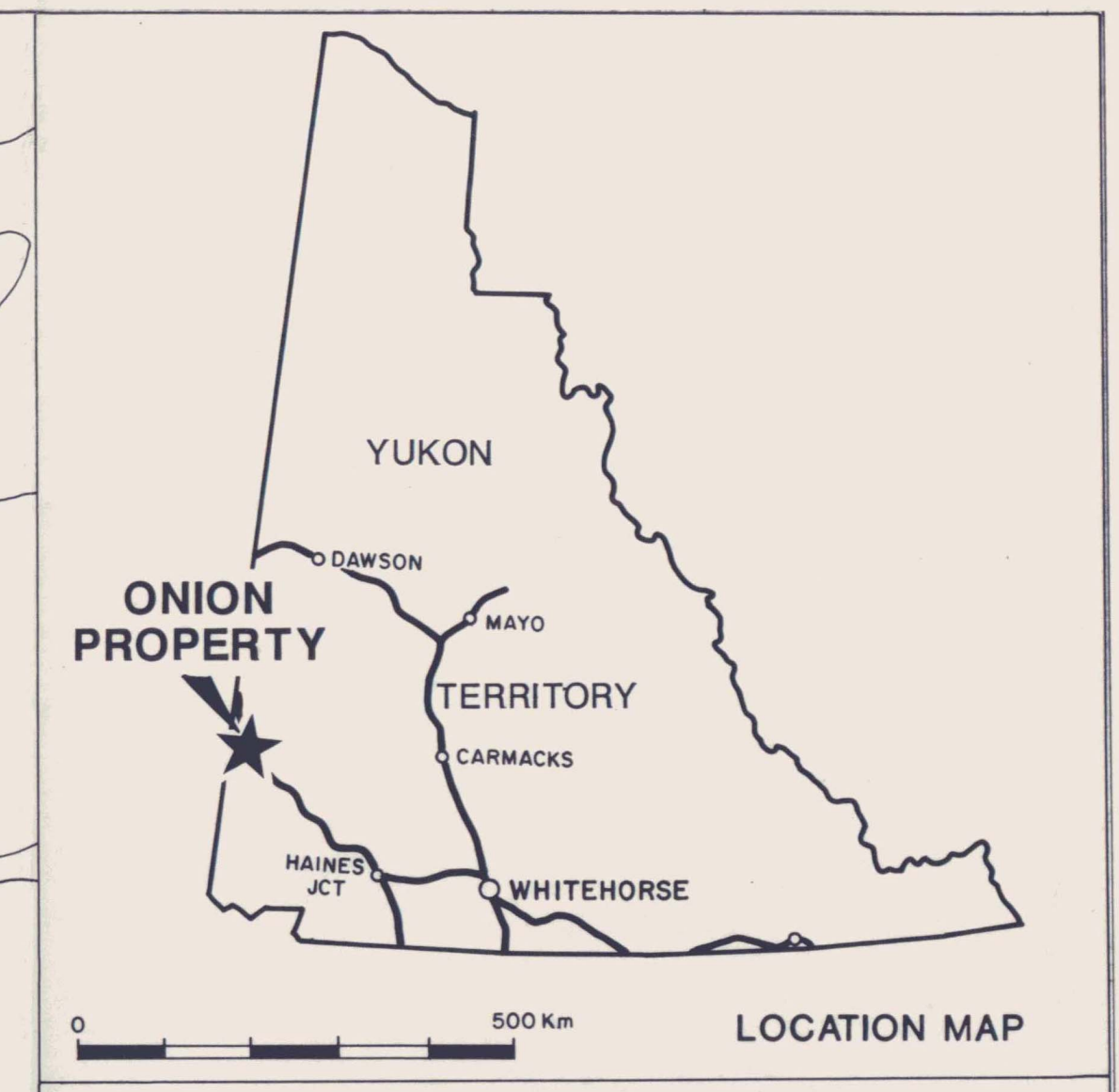
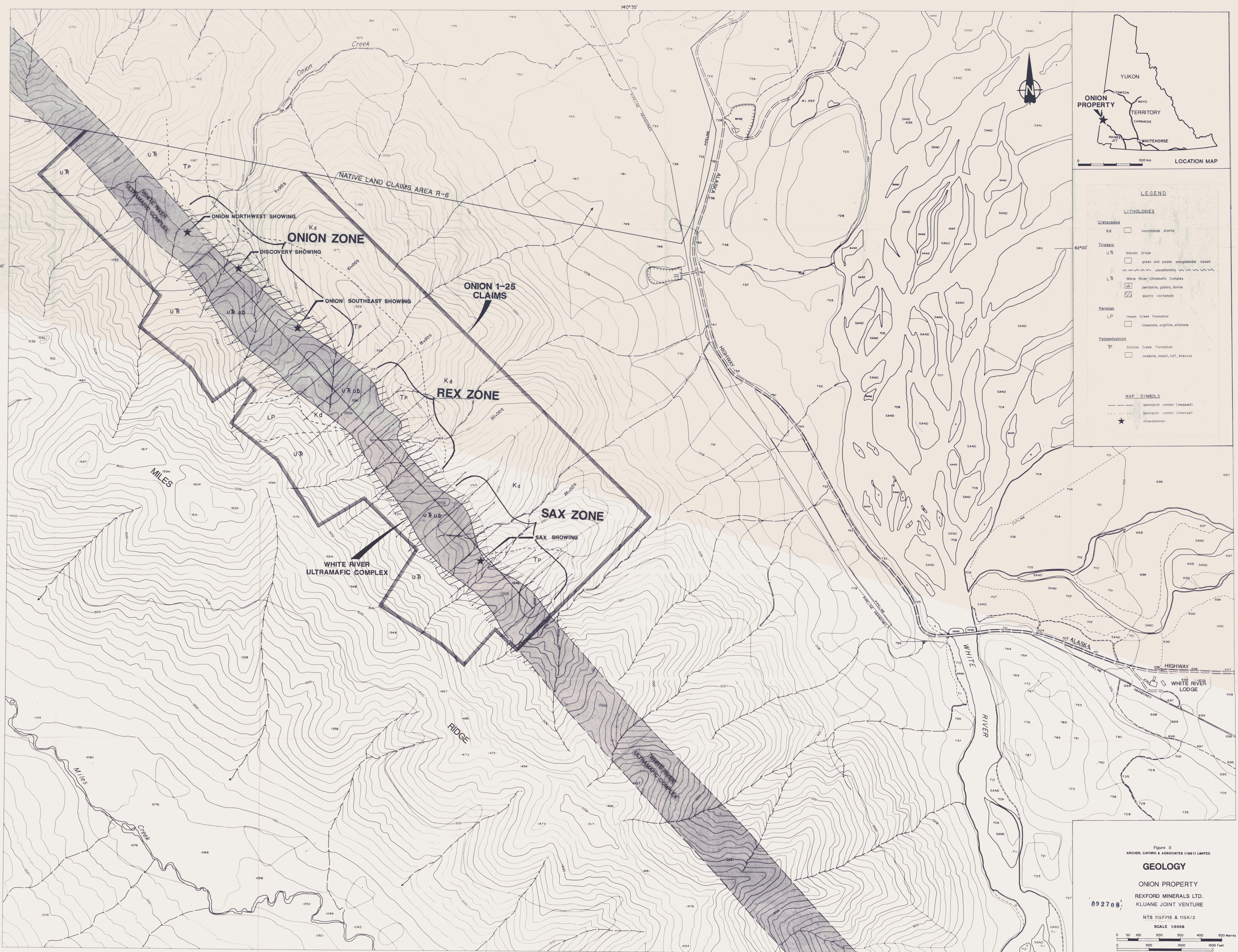
Onion Grid:  
Map Preparation at new scale of 1:5000:  
0.5 days @ \$300.00/day ..... \$ 150.00.

Arn Grid:  
Map Preparation at new scale of 1:5000:  
0.5 days @ \$300.00/day ..... \$ 150.00.

-----  
\$ 1,050.00.  
-----

*ml out by lcr  
#150*

*am ✓  
chilkat*



**LEGEND**

**LITHOLOGIES**

**Cretaceous**  
Kd hornblende diorite

**Triassic**  
UR green and purple amygdaloid basalt  
unconformity

**White River Ultramafic Complex**  
UR ub peridotite, gabbro, dunite  
quartz-carbonate

**Permian**  
LP Hasen Creek Formation  
limestone, argillite, siltstone

**Pennsylvanian**  
TP Station Creek Formation  
andesite, basalt, tuff, breccia

**MAP SYMBOLS**  
geological contact (mapped)  
geological contact (inferred)  
mineralization

Figure 3  
ARCHER, CATRO & ASSOCIATES (1981) LIMITED

**GEOLOGY**

ONION PROPERTY  
REXFORD MINERALS LTD.  
KLUANE JOINT VENTURE

092708

NTS 115F/15 & 115K/2  
SCALE 1:5000

0 50 100 200 300 400 500 Metres  
0 500 1000 1500 Feet

CANALASK DEPOSIT  
2.0km



Inclination 78 Deg  
Declination 30 Deg E

Figure 4A

ARCHER CATHRO & ASSOCIATES

ONION GRID  
S. W. YUKON.  
TOTAL FIELD MAGNETIC PLAN

Contour interval 200 nt

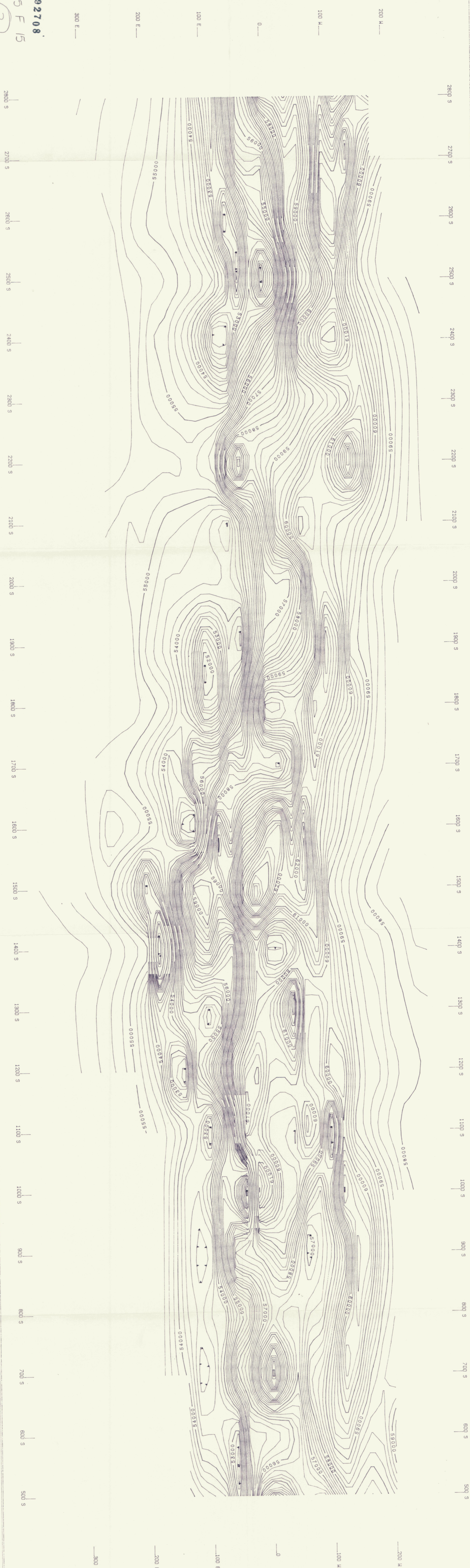
SCALE 1:2500

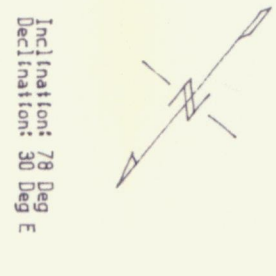
DELTA GEOSCIENCE LTD

092708

115 F 15

2





Indicated by Red & Blue

Figure 4B

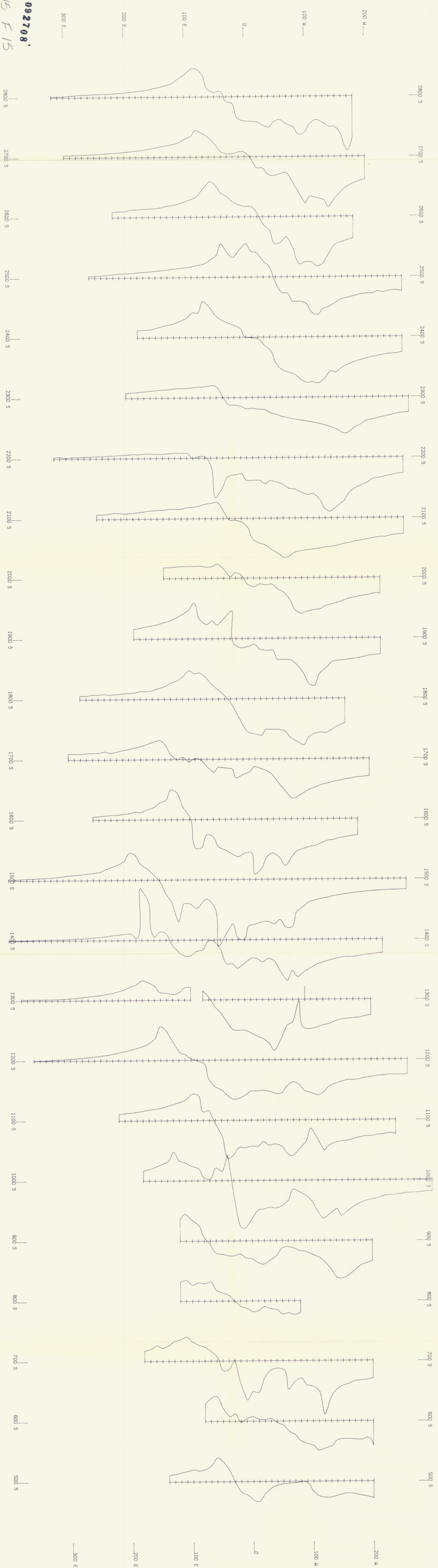
ARCHER CATHRO & ASSOCIATES

ONION GRID  
S. W. YUKON,  
TOTAL FIELD MAGNETIC PROFILES

1 cm = 2000 nt, base 56000 nt

SCALE 1:2500

DELTA GEOSCIENCE LTD



092708'

115 F 15

③

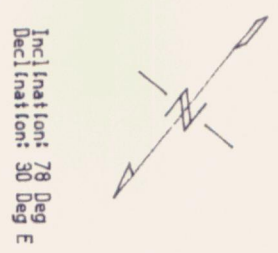


Figure 4C

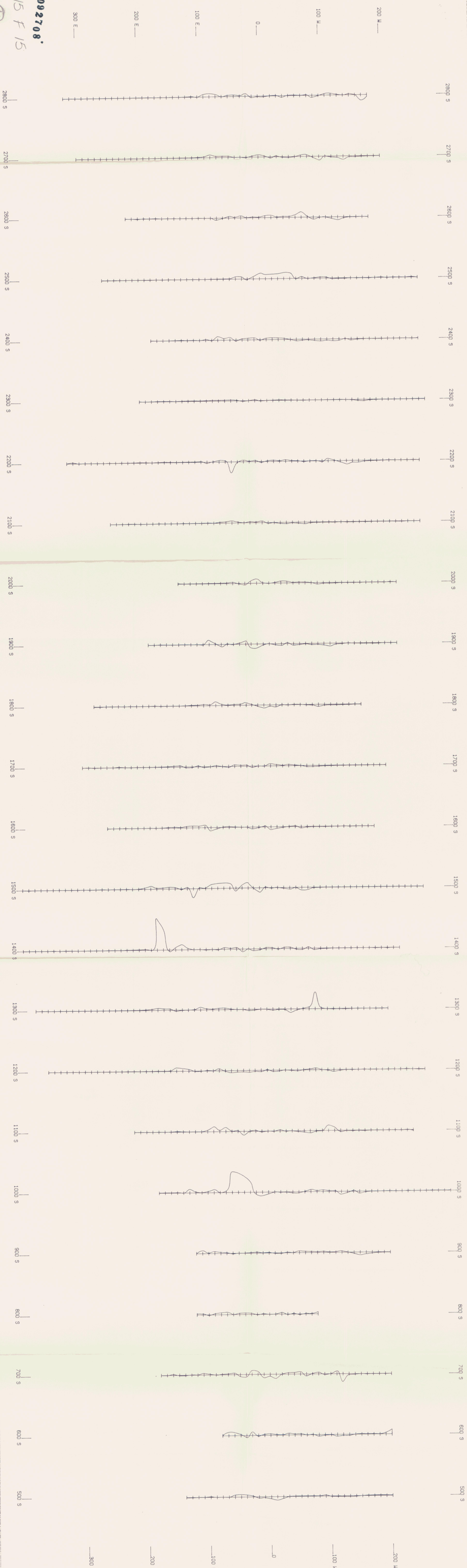
ARCHER CATHRO & ASSOCIATES

ONION GRID  
S. W. YUKON.  
MAGNETIC GRADIOMETER PROFILES  
vertical gradient

1 cm = 1000 nt/m, base 0

SCALE 1:2500

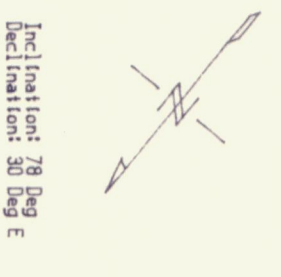
DELTA GEOSCIENCE LTD



092708

115 F 15

(4)



Inclination 78 Deg E  
Declination 30 Deg E

Figure 4D

ARCHER CAIRO & ASSOCIATES

GNION GRID  
S. W. YUKON.  
FILTERED VLF PLAN, (Fraser)  
23.4 khz

Contour interval 5 %

SCALE 1:2500

DELTA GEOSCIENCE LTD

092708

115 F 15

(5)



300 E

200 E

100 E

0

100 M

200 M

300 E

200 E

100 E

0

100 M

200 M



Indicates the direction of the magnetic field

Figure 4E

ARCHER CATHRO & ASSOCIATES

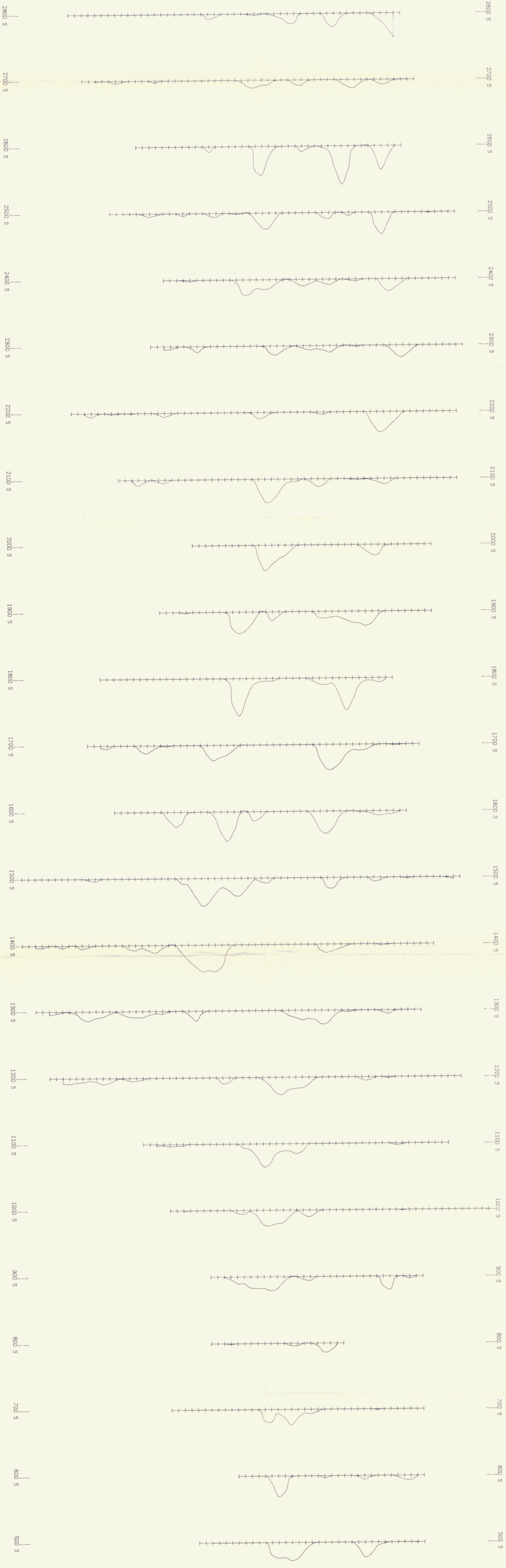
ONIGN GRID  
S. W. YUKON.  
FILTERED VLF PROFILES, (Fraser)

1 cm = 30 %, base 0

SCALE 1:2500

DELTA GEOSCIENCE LTD

200 H  
100 H  
0  
100 E  
200 E  
300 E



092708

115 F 15

⑥

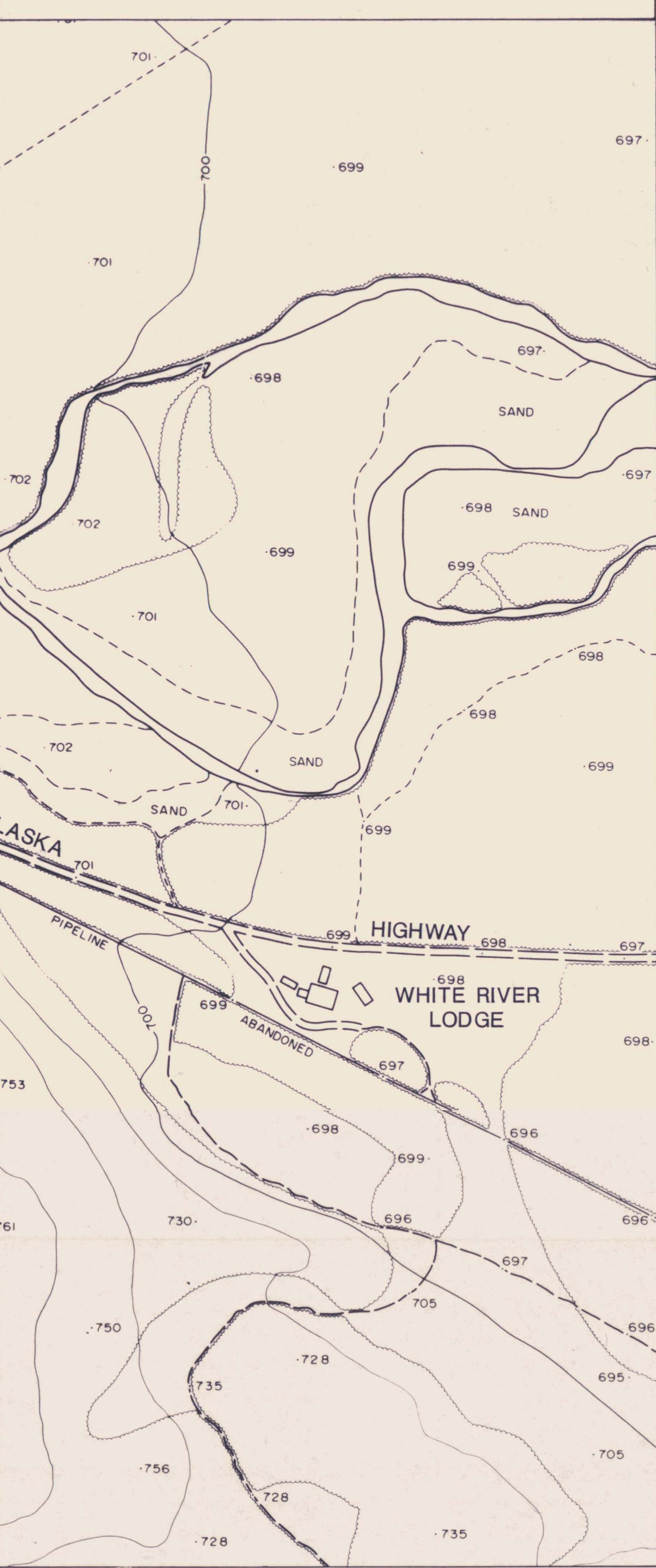
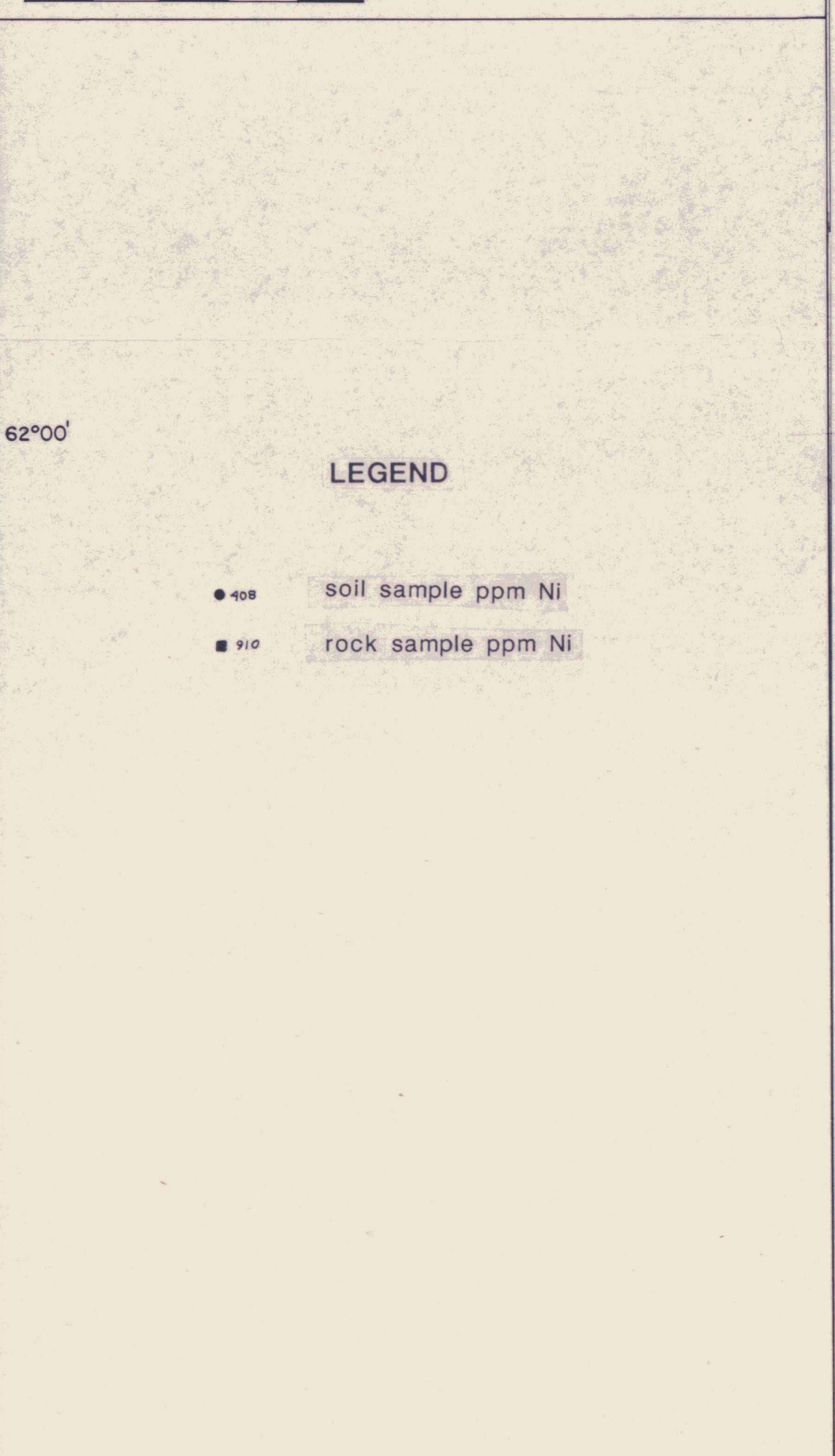
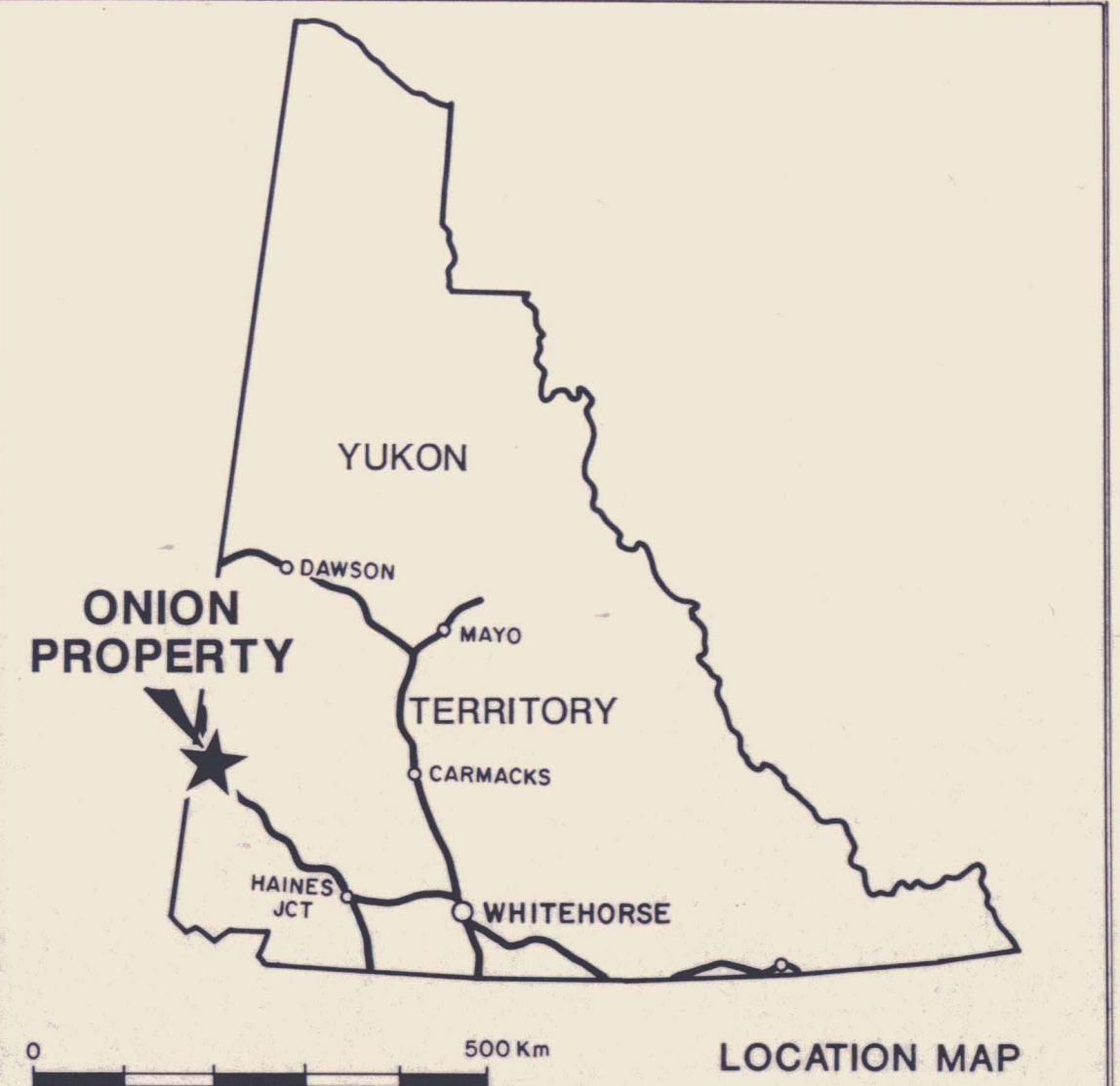


Figure 5  
 ARCHER, CATRO & ASSOCIATES (1981) LIMITED

**NICKEL GEOCHEMISTRY**

ONION PROPERTY  
 REXFORD MINERALS LTD.  
 KLUANE JOINT VENTURE

NTS 115F/15 & 115K/2

SCALE 1:5000

0 50 100 200 300 400 500 Metres  
 0 500 1000 1500 Feet

092708

7

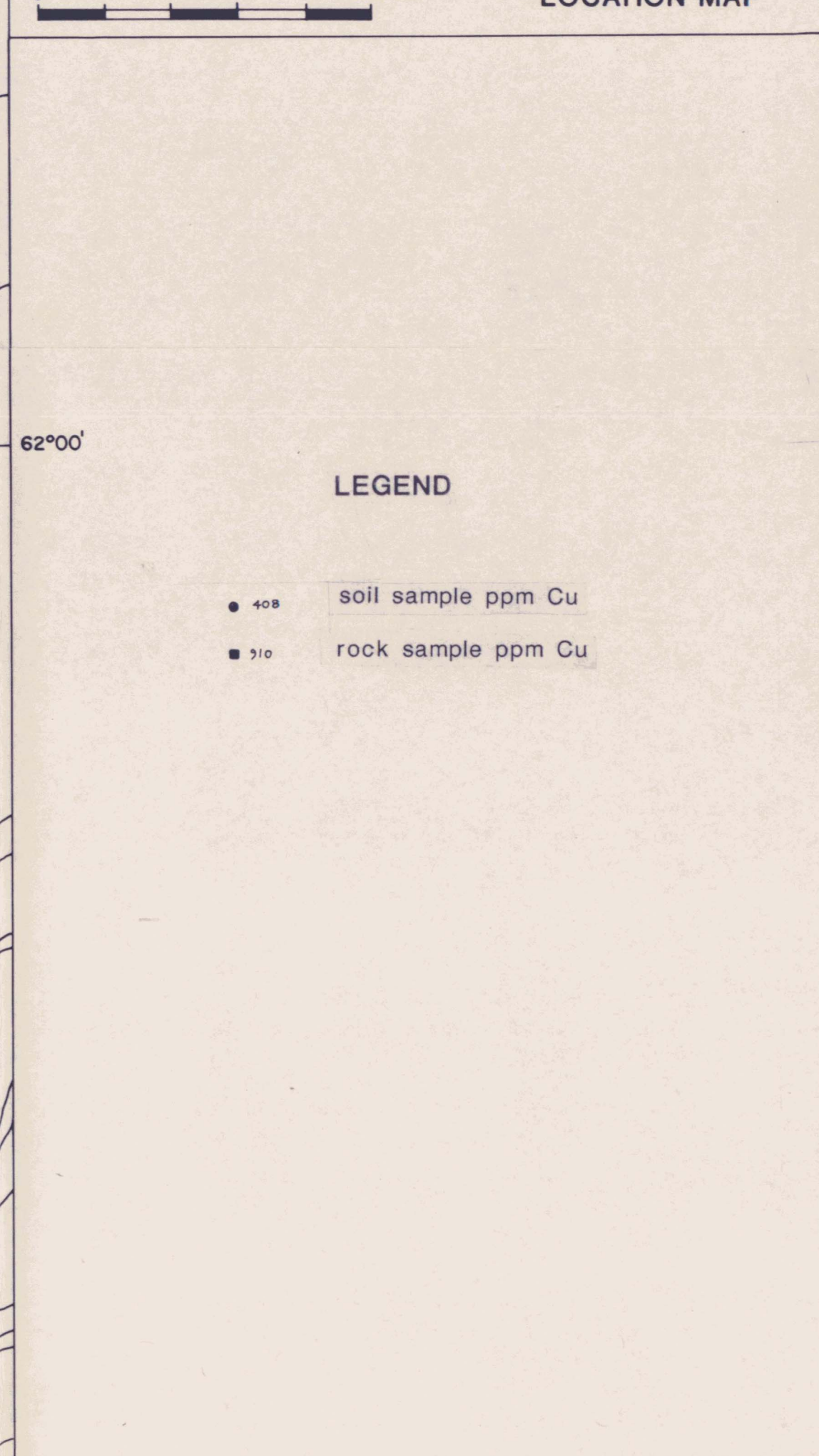
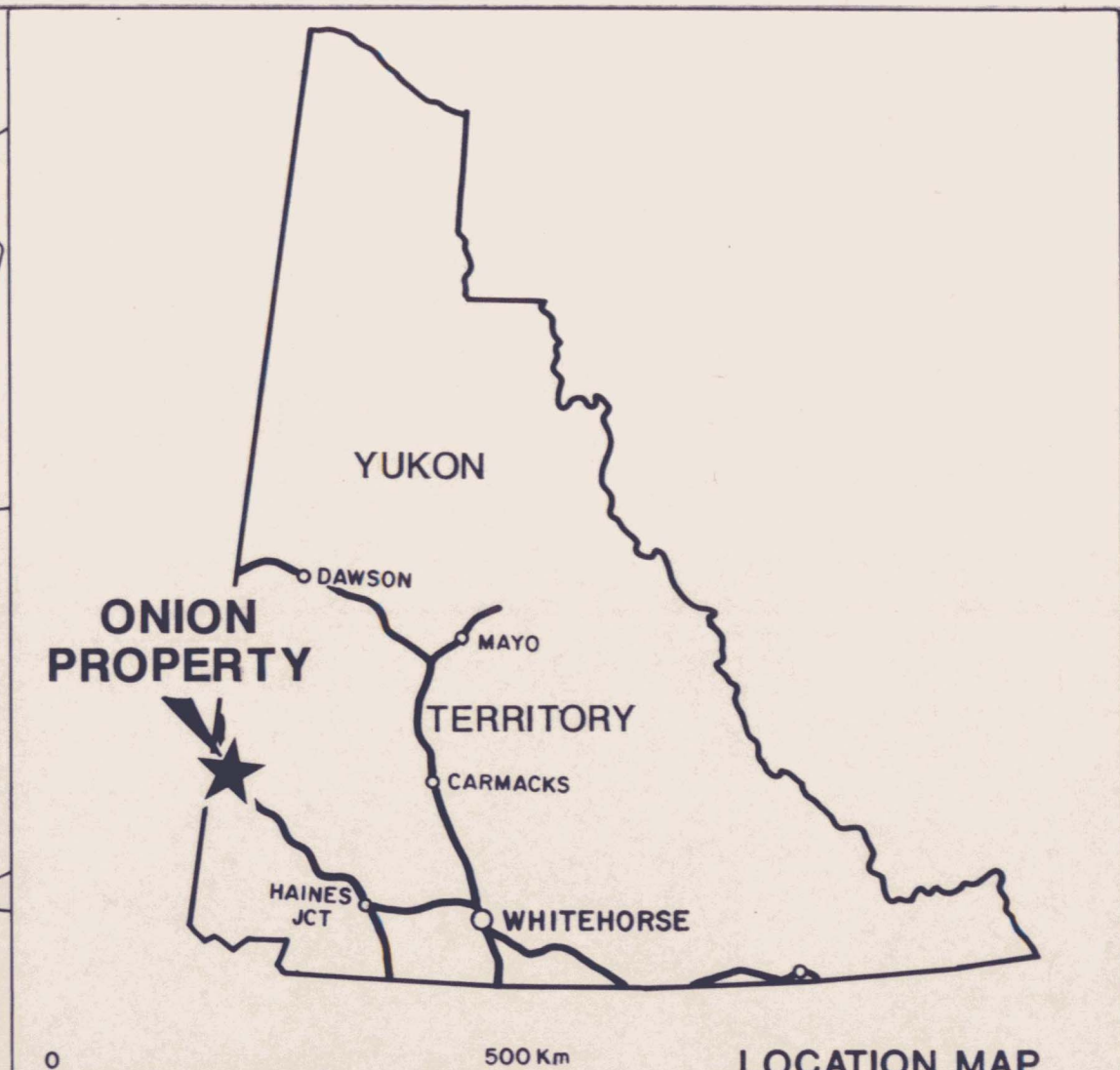
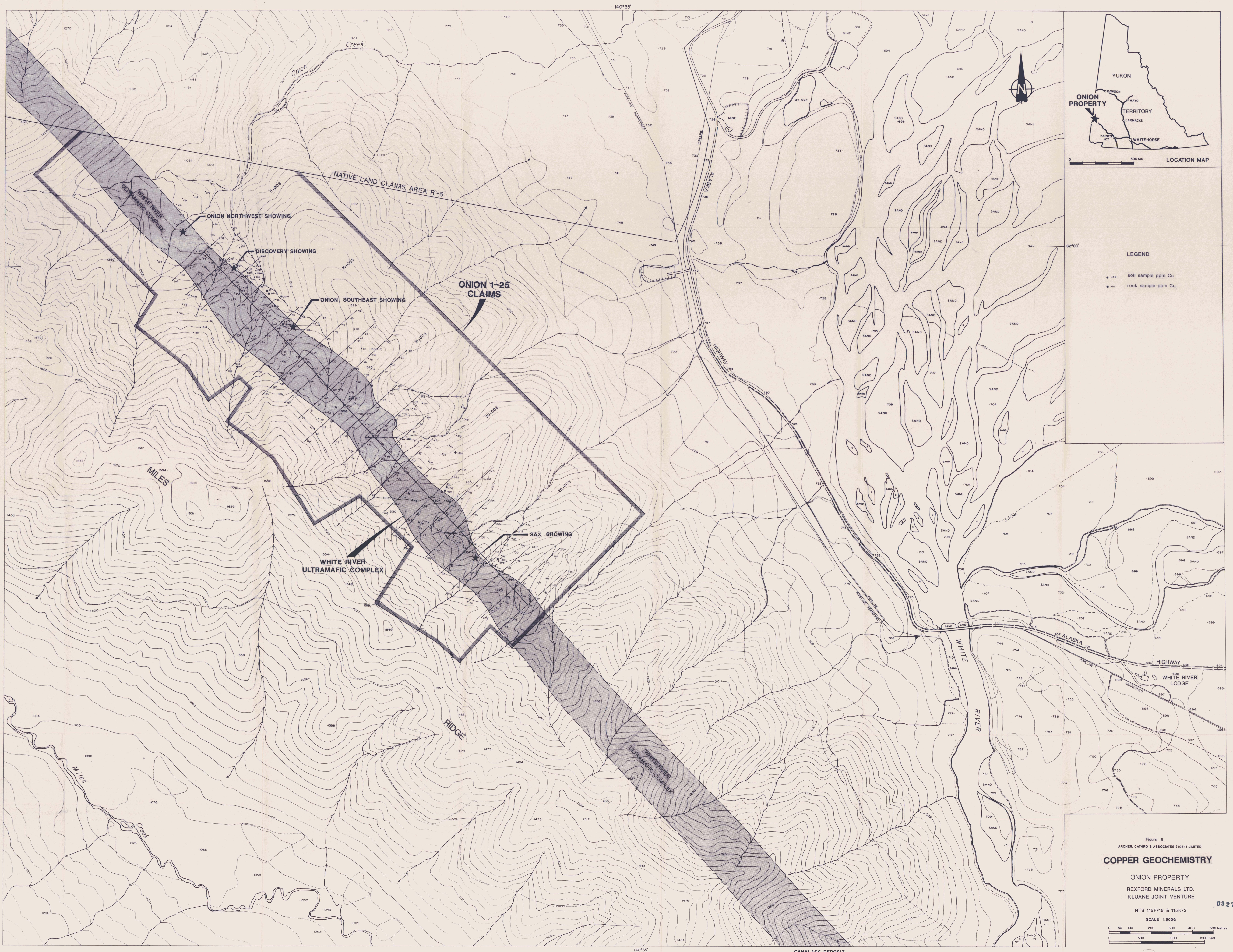
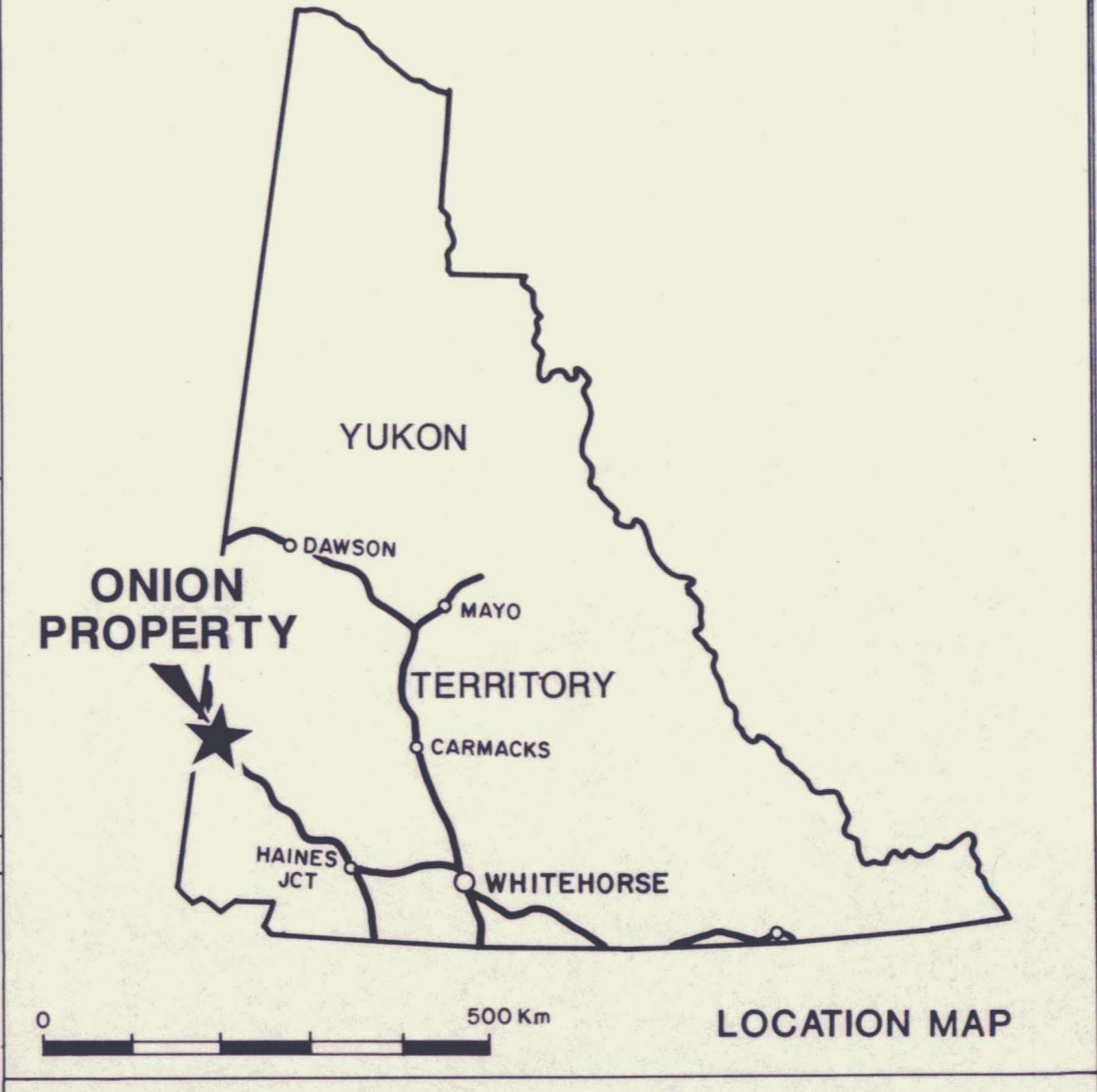


Figure 6  
 ARCHER, CATRO & ASSOCIATES (1981) LIMITED  
**COPPER GEOCHEMISTRY**  
 ONION PROPERTY  
 REXFORD MINERALS LTD.  
 KLUANE JOINT VENTURE  
 NTS 115F/15 & 115K/2  
 SCALE 1:5000  
 0 50 100 200 300 400 500 Metres  
 0 500 1000 1500 Feet

092708



LEGEND

- 408 soil sample ppb Pt
- 110 rock sample ppb Pt

Figure 7  
 ARCHER, CATIRO & ASSOCIATES (1983) LIMITED  
**PLATINUM GEOCHEMISTRY**  
 ONION PROPERTY  
 REXFORD MINERALS LTD.  
 KLUANE JOINT VENTURE  
 NTS 115F/15 & 115K/2  
 SCALE 1:5000  
 0 50 100 200 300 400 500 Metres  
 0 500 1000 1500 Feet

092709

8



LEGEND

- soil sample ppb Pd
- rock sample ppb Pd

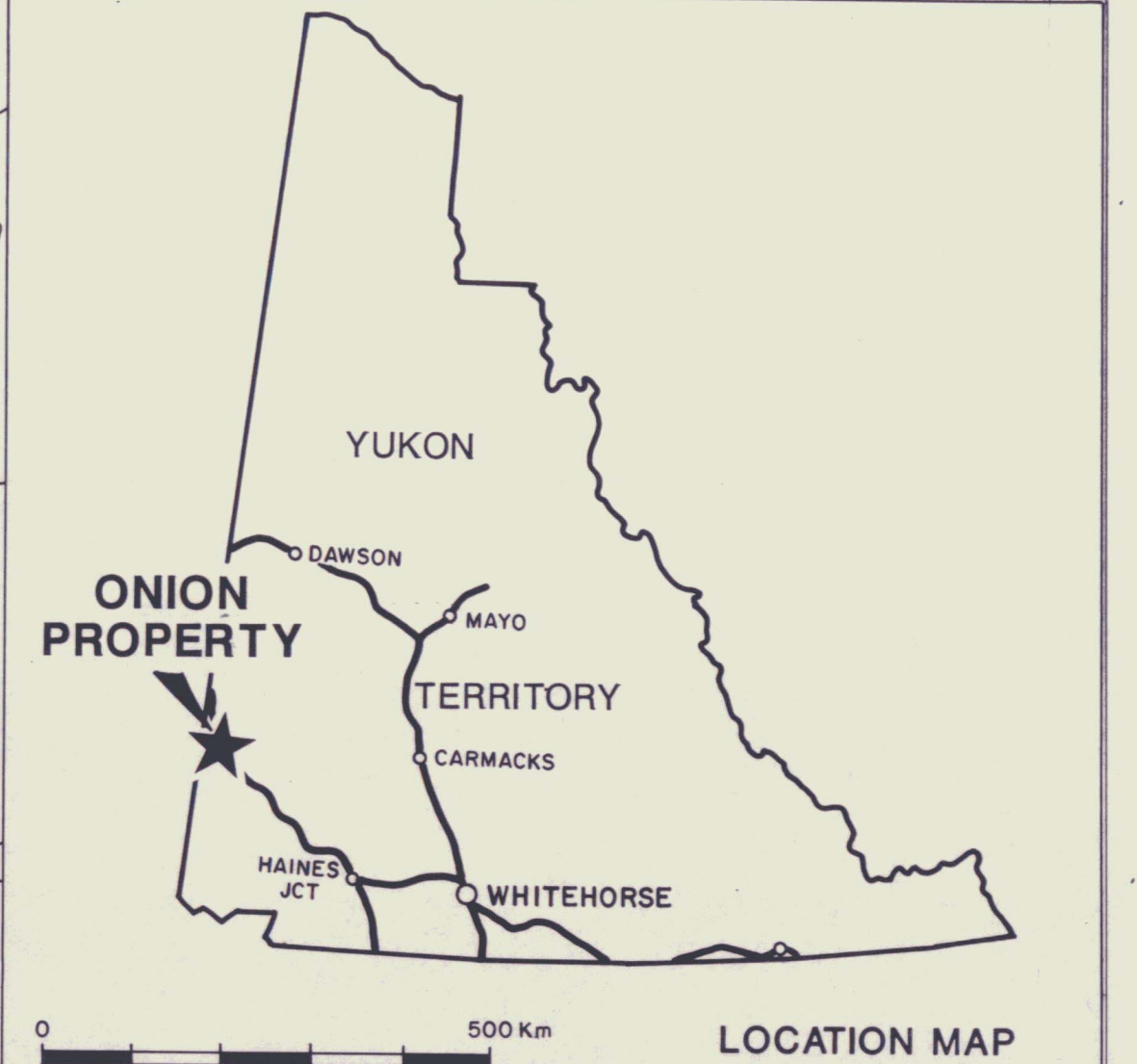
092708

Figure 8  
 ARCHER, CATRO & ASSOCIATES (1981) LIMITED  
**PALLADIUM GEOCHEMISTRY**

ONION PROPERTY  
 REXFORD MINERALS LTD.  
 KLUANE JOINT VENTURE

NTS 115F/15 & 115K/2  
 SCALE 1:5000

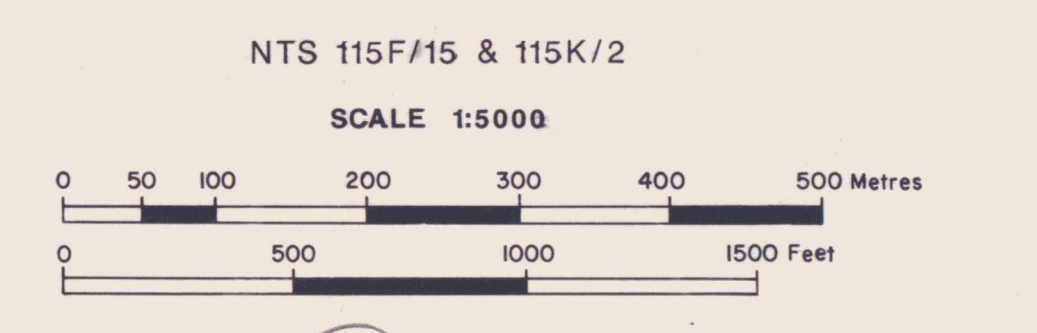
0 50 100 200 300 400 500 Metres  
 0 500 1000 1500 Feet



**LEGEND**

- 40# soil sample ppb Au
- 80# rock sample ppb Au

Figure 9  
 ARCHER, CATRO & ASSOCIATES (1981) LIMITED  
**GOLD GEOCHEMISTRY**  
 ONION PROPERTY  
 REXFORD MINERALS LTD.  
 KLUANE JOINT VENTURE **092708**



10