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ASSESSMENT REPORT  
GEOPHYSICAL - GEOLOGICAL  
ON THE  
WARN BAY PROPERTY  
ALBERNI MINING DIVISION  
WEST COAST VANCOUVER ISLAND  
BRITISH COLUMBIA  
NTS 92F/4 & 5  
49 15 N 125 43 W

FILMED

PREPARED BY  
STETSON RESOURCE MANAGEMENT  
SUITE 13-1155 MELVILLE STREET

BILL DYNES  
UNDER THE DIRECTION OF  
JAMES WETHERILL, B.A. Sc.

GEOPHYSICAL INTERPRETATION  
APPENDIXED BY TOMAS MATICH, B.Sc.  
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

JULY 6, 1989

18,890

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**SUMMARY**

The Warn Bay property comprises eleven claims, totalling 64 units (1600 hectares) situated in the Alberni mining division on Vancouver Island, British Columbia. The nearest community is Tofino, 20 air kilometres to the southwest and Port Alberni, 70 air kilometres to the east. The property is located on the tide water of the west coast of Vancouver Island. Access is by boat or float plane from the Tofino area.

The Warn Bay property was initially worked on in the 1930's and 1940's, when development was done on the Maple Leaf and Free Gold showings. Limited underground work was carried out and two bulk samples were shipped. The two samples produced 6.84 oz/ton gold and 9.02 oz/ton gold.

Arklow Resources Ltd., and Strabane Resources Ltd., optioned the property from the owner, Walter Guppy, in early 1988. On behalf of the companies, Stetson Resource Management Corp. has carried out exploration on the property since 1988.


The claims are predominately underlain by Pennsylvanian - Permian Sicker volcanics which are locally intruded by a Jurassic stocks and the Westcoast Complex.

To date three significant mineral occurrences are known on the Warn Bay property:

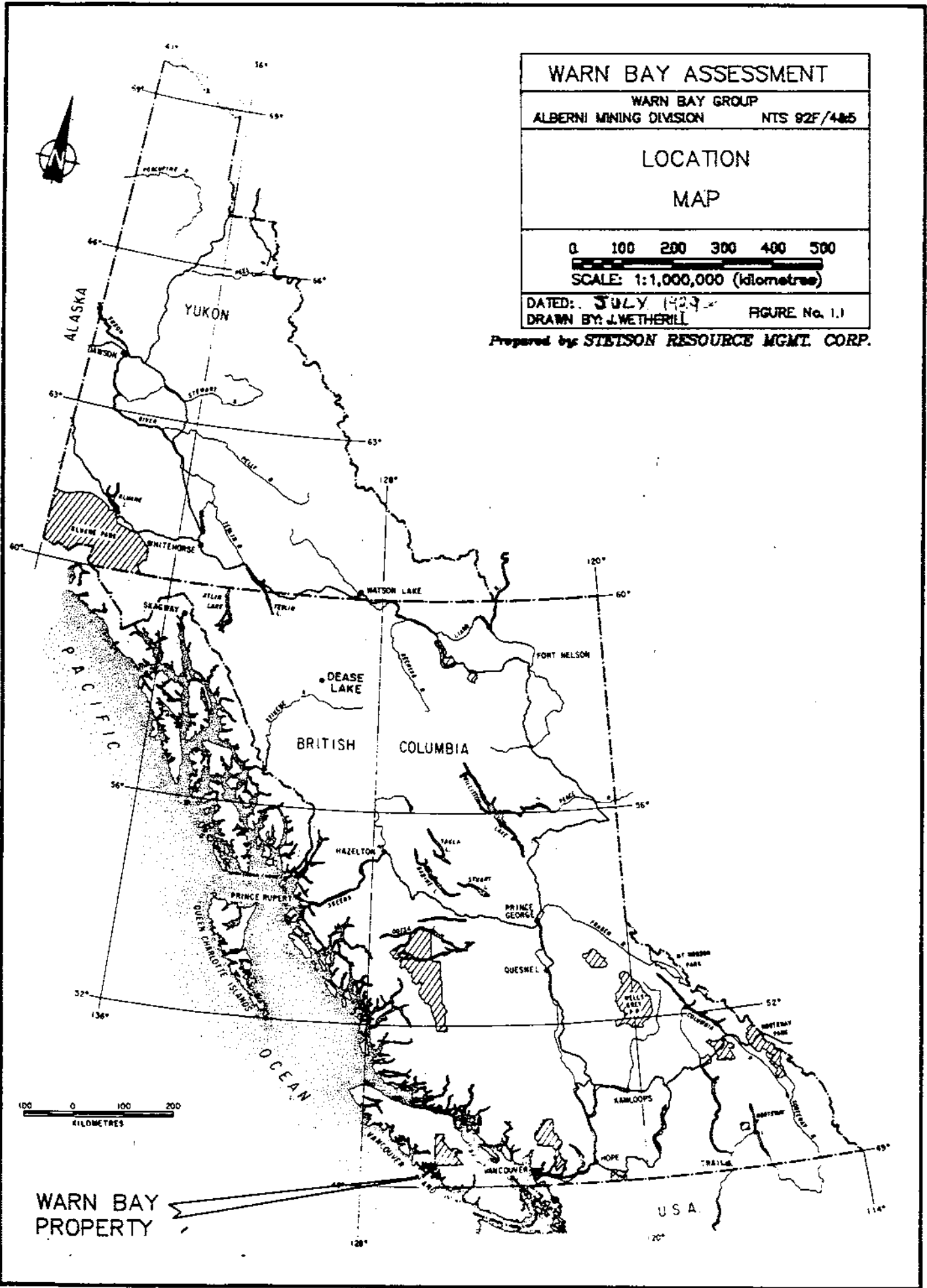
- i) The Maple Leaf occurrence is comprised of several parallel quartz veins hosted by quartz diorite and Sicker limestone. Gold values of up to 28.35 oz/ton over 0.16 metres have been found within exploration adits drifted into the showing.
- ii) The Free Gold quartz vein is hosted by a shear zone which crosscuts a diorite. The vein varies from 0.10 to 1.0 metres in width and carried 1.3 oz/ton gold over a 0.36 metre width.
- iii) The Guppy showing is a brecciated shear zone crosscutting Sicker volcanics which hosts pyrite carrying 0.04 oz/ton gold over 0.29 metres.

Previous soil sampling delineated geochemical anomalies proximal to these occurrences, indicating a strong potential for extending these mineralized zones. Part of the present program was to further delineate these occurrences using geophysics.

As well, a recent road cut was mapped to better understand the mode of occurrence of the major geological units on the property.

<b>WARN BAY ASSESSMENT</b>	
WARN BAY GROUP	
ALBERNI MINING DIVISION	NTS 92F/485
<b>LOCATION MAP</b>	
 SCALE: 1:1,000,000 (kilometres)	
DATED: JULY 1989 DRAWN BY: J. WETHERILL	
FIGURE No. 1.1	

Prepared by STETSON RESOURCE MGMT. CORP.



WARN BAY  
PROPERTY

## 1. INTRODUCTION

This report describes the results of certain geophysical and geological investigations of the Warn Bay property.

### 1.1 Location and Access

The Warn Bay property is situated on the west coast of Vancouver Island, British Columbia, approximately 20 kilometres northeast of Tofino and 70 kilometres west of Port Alberni. The claim blocks cover a total area of 12.5 square kilometres centred at  $49^{\circ} 15' N$  and  $125^{\circ} 43' W$  (Figure 1.1).

Access from Port Alberni to the Tofino area is 120 kilometres via Highway 4 and the Tofino Highway. Logging roads access Warn Bay from Rankin Cove which is accessible by barge from Berryman Point.

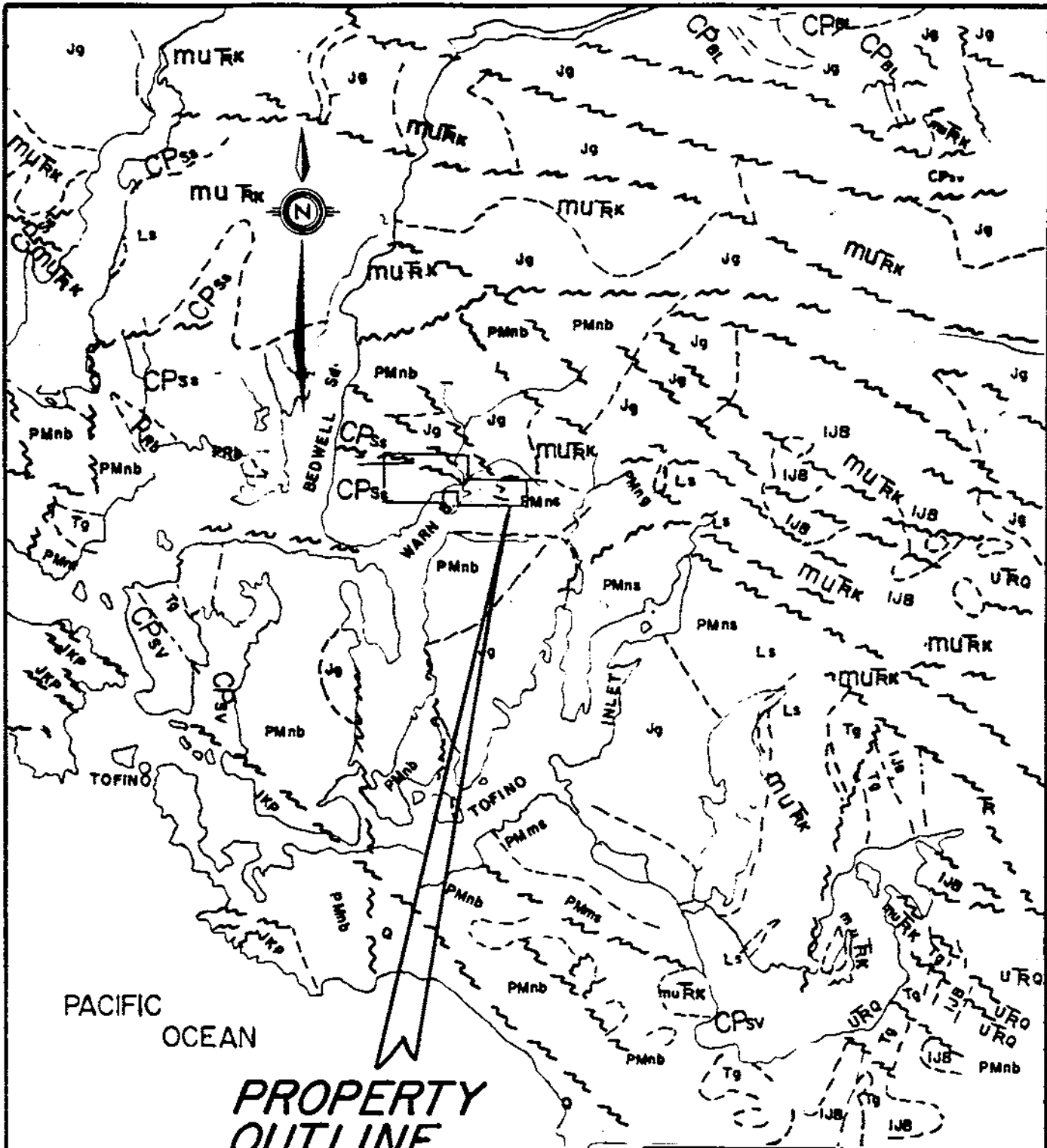
The most convenient access is by boat from Tofino. Access to Warn Bay is also available by float plane during most of the year. Exploration can be carried out from a camp near the mouth of Bulson Creek.

Groceries, fuel, lumber and general supplies are available to a limited extent, in Tofino. The remainder may be trucked

- 2 -

from Port Alberni to Warn Bay via Rankin Cove.





<b>WARN BAY ASSESSMENT</b>	
WARN BAY GROUP	
ALBERNI MINING DIVISION	NTS 92F/4 & 5
REGIONAL GEOLOGY	
SCALE: 1: 250000 (kilometres)	
DATED: JULY 1989	FIGURE No. 2.1
DRAWN BY: J. WETHERILL	

1.2 Property

The Warn Bay property covers eleven contiguous claims comprised of 64 units, (1600 hectares) located in the Alberni mining division (see Table 1.2). The claims are under option to Arklow and Strabane to earn 100% interest of the property from the owner, Walter Guppy. Claim locations have been verified by posts and blazed - flagged lines.

Table 1.2

Claim Status

<u>Claim</u> <u>Name</u>	<u>Record</u> <u>No.</u>	<u>Record</u> <u>Date</u>	<u>Expiry</u> <u>Date</u>	<u>No.</u> <u>Units</u>
Baycrest	2885	April 29, 1986	1990	12
Baycrest #2	2886	April 29, 1986	1990	4
Baycrest #3	2919	May 28, 1986	1990	8
Baycrest #4	3569	May 28, 1988	1990	16
Baycrest #5	3570	May 28, 1988	1990	12
Expo #1	3180	Sept 15, 1986	1990	1
Expo #2	3008	Sept 15, 1986	1990	1
Goldcrest #1	3177	April 8, 1987	1990	15
Goldcrest #2	3178	April 8, 1987	1990	6
Goldcrest #3	3179	April 8, 1987	1990	5

Goldcrest #4 3180

April 8, 1987 1990

12

### 1.3 Physiography, Vegetation and Climate

The claims are situated on the west coast of Vancouver Island. The region has a wet climate; snow cover in winter is moderate; rain, snow, and wind storms are common all year round. Mean annual precipitation is greater than 250 cm.

The property covers a semi-rugged to rugged mountainous terrain with elevations ranging from sea level to 1,080 metres (3,540 feet). Some slopes are fairly steep, but most may be traversed with care.

Natural vegetation cover is moderate to dense and typical of west coast rain forest. Cedar and alder trees with thick to moderate underbrush characterize the vegetation.

Water and timber resources for exploration and development purposes are plentiful. Several tributaries to the main creeks carry sufficient drilling water during most of the year.

#### 1.4 History

The Tranquille Inlet - Warn Bay area was initially explored in the 1840's for its mineral potential. The first gold discovery was made at the head of Warn Bay in 1899. Several claims were staked at the head of Tranquille Inlet to cover lenticular bodies of low grade copper.

In 1931, the New Privateer gold mine was discovered in the Zeballos area 100 kilometres north of Warn Bay. This discovery sparked a renewed interest in precious metal exploration along the west coast of Vancouver Island.

Several gold discoveries were made in the Tranquille-Warn Bay area during the 1930's. The Pandora, Gold Flake and Yankee Boy were all accessed via Tranquille Inlet and Tranquille Creek. The Pandora produced 1,468 oz. (45660 grams) gold and 296 oz. (8367 grams) silver from 1,071 tons (972 tonnes). The Moscena (Maple Leaf) prospect is the most significant discovery to date in Warn Bay.

The Maple Leaf prospect was discovered and developed during the early 1930's. Two parallel quartz veins were explored at two elevations by drifting in and driving short crosscuts.

Work was halted in 1942 under the War Measures Act.

The Free Gold prospect was discovered during the 1930's and developed during the 1940's. A cabin and a small ball mill were constructed and two short adits were driven. Two bulk samples were mined and shipped to a smelter. The first contained 6.84 oz/ton gold, 2.00 oz/ton silver, 0.20% copper, 0.80% zinc and some tellurium in a 0.488 dry ton sample. The second carried 9.02 oz/ton gold and 2.80 oz/ton silver in a 0.988 dry ton sample.

The Free Gold prospect has been held by various interests. Exploration programmes carried out have included re-cutting trails, cleaning out the old workings, geological mapping and rock chip sampling.

On the west side of Warn Bay a gold bearing shear zone in Sicker volcanics was discovered by W. Guppy in 1987.

In 1988 an exploration program was undertaken by Stetson Resource Management Corp.. The program included geological mapping, rock sampling and soil sampling.

#### 1.5 1989 Exploration Program

The present work consisted of two separate programs.

- i) 14 Km. of combined Magnetometer-VLF Survey over grids in three areas of the property.
- ii) Geologically mapping of outcrop recently exposed in a roadcut.

## 2. GEOLOGY

### 2.1 Regional Geology

The Warn Bay area lies within the Insular Belt, the westernmost tectonic subdivision of the Canadian Cordillera. The area was mapped most recently by J.E. Muller in 1968 and is presented in the Geological Survey of Canada Open File 463.

The Insular Belt, also called the Island Mountains, comprises Paleozoic and Mesozoic volcanic - plutonic complexes which are both underlain by gneiss migmatite terranes and overlain respectively by Permo - Pennsylvanian and Cretaceous clastic

sediments. The two complexes are separated by Upper Triassic basalts overlain by carbonate - clastic sediments. The lower complex is part of an allochthonous terrane called Wrangellia. Although it formed in southern latitudes plate tectonics moved this terrane up to the North American plate during the Early Jurassic.

On a property scale the oldest rocks underlying the Warn Bay property belong to the Pennsylvanian - Permian Sicker Group. This group has been intruded by a Jurassic batholith belonging to the Westcoast Complex and the Island Intrusions. Northwesterly trending faults occur within the Sicker Group and form contacts between the Sicker and the intrusive bodies.

#### SICKER GROUP:

The Sicker group is represented on the property by andesitic agglomerates and grey crystalline limestones.

The agglomerates are typically dark green in color with large (5-20cm) andesite clasts in a very fine grained matrix. All exposures exhibited moderate to intense chloritic alteration.

The light grey weathered limestone outcrops as small wedges (50-100m sq) in the Westcoast diorites. Some of these wedges

have been completely recrystallized to marble by the intrusives and magnetite mineralization is associated with marble-diorite fault contacts.

#### WESTCOAST COMPLEX

The Westcoast complex is typically comprised of chlorite altered, medium grained quartz diorite and hornblende quartz diorite.

The quartz diorite has been extensively chloritized but the feldspars remain quite fresh with only local sericitic alteration adjacent to mineralized quartz veins.

#### 2.2 Regional Mineralization

The regional structural trend is northwest-southeast. Faults occur both parallel to the main trend and in a north-south direction.

The Insular (tectonic) Belt hosts several precious and base metal ore deposits.

Chalcopyrite, magnetite, molybdenite and weak gold mineralization occur in the Island Copper porphyry copper



deposit associated with a Jurassic batholith intruding Bonanza group volcanic rocks at the north end of Vancouver Island.

Polymetallic volcanogenic massive sulphides formed syngenetically in the Sicker volcanics produce copper, lead, zinc, gold, silver, cadmium and barium in mines held by Westin Resources Ltd. at Buttle Lake.

Gold mineralization occurs in quartz veins and fissures from Esperanza Inlet to the Alberni Canal area on the west coast of Vancouver Island. The most prolific area to date is the Zeballos camp which has produced 287,811 oz of gold and 124,700 oz silver. At Zeballos gold bearing veins occur in fault fissures that average 0.305 metres (1 foot) in width and extend along consistent strikes and dips.

In the Tranquille Creek - Warn Bay area gold has been produced from quartz veins at the Pandora, Gold Flake, Yankee Boy and Moscena prospects.

The Pandora produced 1,468 oz (45660 gm) gold and 269 oz (8367 gm) from 1,071 tons (972 tonnes). Gold mineralization occurs in quartz veins often hosted by shears in andesites and granitic rocks.

The hornblende quartz diorites have been intensely chloritized. Outcrops of the diorites on the eastern portion of the claim area exhibit weak metamorphic textures.

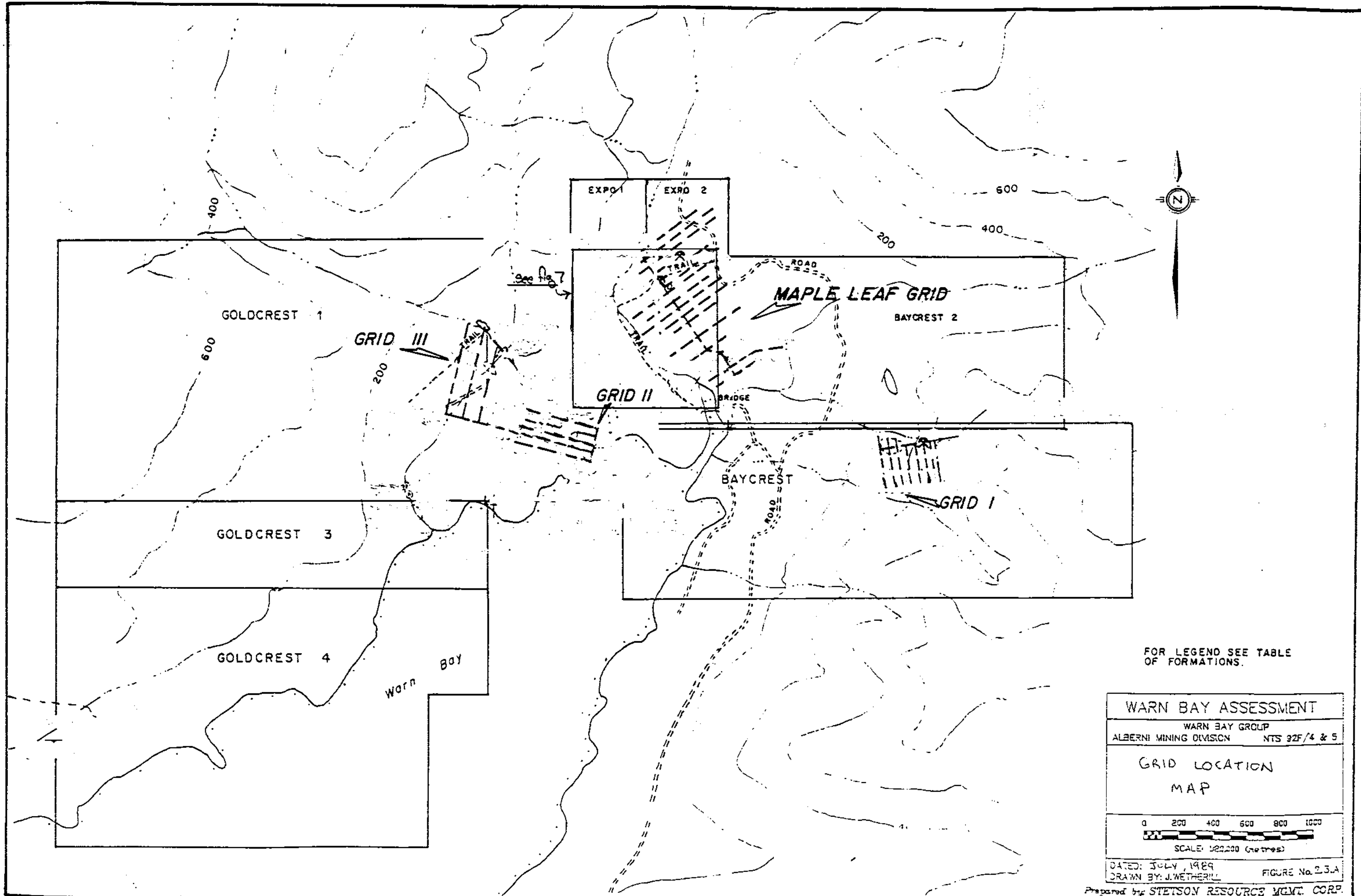
Andesite dykes crosscut all units on the property. The dykes are very fine grained and range from 1 to 2 metres in width. These dykes are in turn crosscut by the mineralized quartz veins.

### 2.3 Property Geology

The 1989 program consisted of 1 field day mapping bedrock exposed recently by a logging road which traverses the western half of the Baycrest 2 claims. The work was done by the author under the direction of J. Wetherill, B.Sc., on April 1-3, 1989.

Fresh exposure is good for the first 750 m going north west from the bridge. A undulating irregular contact between a massive black fine grained volcanic rock and younger intrusive granodiorite is indicated here. The contacts "grade" from intrusive to fault in nature.

The granodiorite is locally strongly calcium carbonated. At one outcrop a definite texture was noted in the mineral grain alignment with an attitude of 145/90 which probably indicates some kind of flow banding.



FOR LEGEND SEE TABLE OF FORMATIONS.

WARN BAY ASSESSMENT	
WARN BAY GROUP	ALBERNI MINING DIVISION
NTS 92F/4 & 5	
GRID LOCATION MAP	
SCALE: 1:22,000 (metres)	
DATED: JULY, 1989	FIGURE No. 2.3.A
DRAWN BY: J. WETHERILL	
Prepared by STETSON RESOURCE MGMT. CORP.	

The black volcanics often host parallel planar skarny zones of epidote-garnet which may be following original layering in the volcanics. Attitudes in 4 separate outcrops were all very close to 050/80 N.W..

A separate intrusive of dioritic composition exhibiting strong gneissic texture was encountered near the northwestern extent of the road cut. Abundant xenoliths of black volcanics within this unit indicate a nearby intrusive contact with the black volcanics to the south.

#### 2.4 Property Mineralization and Alteration

Several mineral occurrences are known on the Warn Bay property.

The first showing, called the Free Gold prospect, is on the southern most tributary to Free Gold creek. Mineralization occurs in a quartz vein within a shear zone hosted by hornblende quartz diorite. The vein strikes 080° (=260° in old records) and dips steeply to the north. The width of the vein varies from 0.2 to 1.0 metres.

Two short adits have been driven on the vein. The lower one, situated on the northern edge of a tributary to Free Gold

Creek, is approximately 25 metres long. The upper adit which is 20 metres above the lower, was only drifted for 7 metres. Native gold was reported to have been visible at the face in 1981. Sampling of the showing in the lower adit by the writer showed that the quartz vein carries 4.6 oz/ton gold and 2.66 oz/ton silver over 0.10 metres and the adjacent hanging wall carries 0.03 oz/ton gold over 0.26 metres. This averages to 1.3 oz/ton gold over 0.36 metres. Two bulk samples shipped in 1941 and 1942 carried values of 6.84 and 9.02 oz/ton gold. Silver values obtained in the 1940's were 2.00 and 2.80 oz/ton. Values obtained by Stetson are listed in Table 3.1

Exploration by Brownlee (1981) indicates that the Free Gold vein extends to the northeast for a minimum of 50 metres and is cut off to the southwest by a fault which is paralleled by the creek.

The second showing, called the Guppy showing, is a brecciated shear zone in Sicker volcanics on the west side of Warn Bay. Quartz healed breccia, quartz veining and fault gouge fill a 0.4 m to 1.0 m wide shear zone in an andesitic agglomerate. The shear zone strikes  $166^{\circ}$  and dips  $85^{\circ}$  to the east. Gold values reach 0.09 oz/ton (3160 ppb) across a 1 metre width. Pyritic wall rock contains 0.04 oz/ton (1371 ppb) gold over 0.29 metres.

The Maple Leaf prospect is comprised of several parallel quartz veins averaging 30 centimetres in width, and up to 100 metres in strike length. The veins occur within shear zones which crosscut both the intrusive bodies and the volcanics. Quartz veins hosted by shears in the intrusives are well developed with mineralization confined to the veins. Where the shear zones crosscut the volcanics the quartz veins horsetail and the alteration and mineralization permeates the wall rock.

The mineralization is medium to fine grained and comprises visible gold, pyrite, arsenopyrite, sphalerite, and minor chalcopyrite in quartz and quartz-carbonate veins and stockwork. The quartz is characterized by euhedral crystals, vugs and limonitic banding. Alteration comprises sericite, chlorite and pervasive quartz-carbonate.

Gold values reach a high of 28 oz./ton over 0.16 metres, but more commonly range from 0.1 to 0.2 oz./ton over 0.3 metres.

### 3.0 Geophysics

During the present program, 14 Km. of combined VLF-magnetometer survey was completed on the Warn Bay property, under contract from February 14th to 21st, 1989

under the supervision of J. Wetherill. The survey consisted of running grids over known mineral occurrences and their immediate area to investigate for strike and dip extensions as well as parallel zones. Readings were taken every 12.5m. The results were interpreted by Interpretex Resources Ltd. of Vancouver, B.C. and are included in the Appendix.

#### CONCLUSIONS

Several geophysical anomalies were located by the geophysical survey as described by T. Matich in the Appendix. These should be followed up on the ground prospecting and possibly trenching.

Geological mapping of the new road cut indicates a complex zone of intrusive contact with volcanics. This is interpreted as a favorable environment for gold mineralization.

**COST STATEMENT**

**Geophysics**

Combined VLF-Magnetometer survey at \$300 km x 14 km	\$4200.00
Interpretation of Geophysics \$325.00/day @2.5 days	812.50
Plotting Data CAD \$55.00/hr @ 8 hrs	<u>440.00</u>
Sub Total	\$5452.50

**Geology**

B.Dynes 1 day @ \$200.00/day	\$ 200.00
Supervising Geologist (Wetherill) 1/2 day @ \$300.00/day	150.00
Room and Board (camp)	90.00
Transportation: Gas	65.00
Truck	60.00
Boat	98.00
Documentation: Report Prep. 1 day @ \$200/day	200.00
Typing, Repro, Drafting	<u>250.00</u>
Sub Total	\$1113.00 =====

Total Geophysics	\$5452.50
Total Geology	1113.00 =====
Total	\$6565.50
10% Overhead	656.50 =====
Total	\$7222.00



REFERENCES

- BANCROFT, M.F., 1937                      Gold bearing Deposits of the West Coast of Vancouver Island between Esperanza Inlet and Alberni Canal; Canada Department of Mines and Resources, Mines and Geology Branch; Memoir 204.
- BROWNLEE, D.J., 1981                      Geological Report on the Free Gold Property for Summit Pass Resources Ltd.
- CAMPBELL, C.M., 1950                      B.C.D.E.M.P.R. Open File, 1950.
- CAULFIELD, D.A., AND                      Geological Report on the Free



**STATEMENT OF QUALIFICATIONS**

NAME: Dynes, W.

Three years Assayer's Technician with Noranda Mines Ltd.,  
Boss Mountain Division.

Graduate of B.C. and Yukon Chamber of Mine's Prospectors  
Mining School.

Graduate of B.C. Ministry of Energy, Mines and Petroleum  
Resources Mineral Exploration Course.

Graduate of University of Idaho's Hydrothermal Alteration  
Course.

Graduate of Eastern Washington University's Exploration  
Geochemistry Course.

Seven years experience in mineral exploration, as field  
manager and prospector.

Member of the Geological Association of Canada

Completed Geophysics for the Exploration Geologist, GAC,  
short course number 8, 1987.

STATEMENT OF QUALIFICATIONS

NAME: Wetherill, J. F.

PROFESSION: Geologist - Engineer in Training

EDUCATION: 1987 B.A.Sc. Geology -  
University of British Columbia

EXPERIENCE: 1987 - Present: Geologist with  
Stetson Resource Management Corp.  
Field Supervisor for exploration  
programs involving geology,  
geochemistry, and geophysics in  
B.C. and Yukon.

1986, June - August: Field Assistant  
- Geologist involved with  
geological, geochemical and  
geophysical aspects of exploration  
programs in B.C.

SUMMARY INTERPRETATION  
OF VLF-EM AND TOTAL FIELD MAGNETIC DATA  
ON THE WARN BAY PROJECT  
FOR  
STETSON RESOURCE MANAGEMENT CORP.  
BY  
INTERPRETEX RESOURCES LTD.

## 1. INTRODUCTION

A combined magnetometer and VLF-EM survey was carried out over three grids on the Warn Bay property in the Alberni Mining Division, British Columbia in February 1989. Figure #1 shows the location and orientation of the Maple, Free Gold and Guppy grids.

## 2. MAPLE GRID

### 2.1 DISCUSSION

The Maple grid survey lines were oriented at azimuth 055 degrees. Line separation varied from 50 meters to 200 meters with a station spacing of 25 meters.

The magnetic environment over the Maple grid is quite active and line to line correlation is poor. Magnetic readings range from 54500 gammas to 58000 gammas. Two southeast trending magnetic high trends were observed on the grid and are labeled "M1" and "M2" on the magnetic profile map. Magnetic trend "M1" is the longest magnetic feature on the grid. It is a 50 to 75 meter wide zone characterized by magnetic highs ranging from 500 to 2300 gammas above background. "M2" is similar to "M1" but has a shorter strike length. A short magnetic low trend, labeled "M3", seen on lines 300E and 400E is coincident with a ravine and also with a weak VLF-EM conductor.

VLF-EM response over the Maple grid was poor. Few anomalies were observed and these were all weak. The only strong anomaly seen on the grid, at ON on baseline OE, can be attributed to a cultural source (rail). Broad in-phase and field strength responses on lines 50N and 100S were coincident with bogs and are believed to be overburden anomalies. A short, weak conductor seen on lines 300S and 400S is coincident with a ravine.

### 2.2 CONCLUSIONS

The numerous strong magnetic highs observed on the Maple grid are believed to represent either magnetite rich skarns or magnetite within basaltic intrusions. "M1" and "M2" may represent wide basaltic dykes while single line anomalies may represent localized occurrences of magnetite. Magnetic low trend "M3" is indicative of a structural source, probably a fault.

Conductive overburden is thought to be the source of the broad VLF-EM anomalies on lines 50N and 100S. The weak conductor coincident with "M3" may represent either a structural feature or a topographic effect caused by the ravine. However, this conductor's correlation with a magnetic low suggests it represents a structural feature. ...2

### 3. FREE GOLD GRID

#### 3.1 DISCUSSION

The Free Gold grid survey lines were oriented north-south. Line separation varied from 25 meters to 50 meters with a station spacing of 25 meters.

Magnetic results from the Free Gold grid show an active magnetic environment with several east trending magnetic high zones, labeled "M1", "M2" and "M3" on the magnetic profile map. The magnetic high zones are separated by magnetic low trend "M4". "M1" is a wide magnetic high zone centered at 125S on lines 250W to 150W. "M1" narrows and weakens on line 100S and completely disappears by line 50S. "M2" is a narrower zone located at 25S on lines 150W to 50W, and at 50W on line 0N. "M3" is a short narrow zone seen at 175S on line 50E and line 75E. All three of the magnetic high zones are characterized by anomalies ranging from 500 to 2500 gammas above background. "M4" is a narrow magnetic low trend extending across the entire grid. "M4" trends southeast from line 250W to line 50W where it turns to the northeast and continues to line 75E.

VLF-EM results show no anomalous responses over the Free Gold grid. In-phase readings were smooth from station to station and any inflections were within background noise levels. Field strength readings were also smooth indicating that no conductors were discovered in the present survey.

#### 3.2 CONCLUSIONS

The numerous strong magnetic highs observed on the Free Gold grid are believed to represent either magnetite rich skarns or magnetite within basaltic intrusions. "M1", "M2" and "M3" may represent wide basaltic dykes. Magnetic low trend "M4" is indicative of a structural source, probably a fault. The limited amount of data from this grid make it difficult to infer magnetic lineaments from offsets and disruptions in the magnetic profiles. However, one might speculate that a north trending magnetic lineament exists near line 50W from the change in direction in "M4" and from the low values along the south end of line 50W.

VLF-EM results indicate that the present survey did not define any anomalies, possibly due to poor coupling with the VLF transmitter or station spacings that were too large. A smaller station interval may have provided the necessary detail for detection of narrow, weak and near surface features such as slightly conductive veins.

#### 4. Guppy GRID

##### 4.1 DISCUSSION

The Guppy grid survey lines were oriented at azimuth 140 and at 050 degrees. Line separation was 50 meters and station spacing was 25 meters.

The magnetic environment over the Guppy grid is quiet compared to the Free Gold and Maple grids. A few magnetic highs were seen in the northern portion of the grid but no magnetic high trends were defined in the present survey. A single line, 1000 gamma magnetic high at 75E on line 700N is coincident with a VLF-EM anomaly and a single line 300 gamma magnetic high at 500E on line 700N is also coincident with a VLF-EM anomaly.

There are four VLF-EM anomalies observed on the Guppy grid. All are weak, single line anomalies characterized by weak in-phase and field strength response and positive quadrature.

##### 4.2 CONCLUSIONS

Guppy grid results indicate that there is little magnetite present on this grid compared to the Maple and Free Gold grids. Two 1000 gamma magnetic highs on line 700N are the only strong anomalies on the grid and probably represent localized occurrences of magnetite.

The VLF-EM anomalies observed on the Guppy grid are indicative of short, small structural sources, such as fracture zones, or conductive overburden. The two conductors on line 700N are interesting because they are coincident with magnetic highs, this correlation may indicate pyrrhotite or that magnetite bearing basalts intruded fracture zones in the area.

#### 5. RECOMMENDATIONS

Magnetic and VLF-EM surveys over the Warn Bay property have shown that the magnetic method is responsive to the area geology while the VLF-EM method appears to be mainly unresponsive. The VLF-EM method probably did not work well due to poor transmitter coupling and large station spacings. If magnetic data are thought to relate to area mineralization, VLF-EM and magnetic coverage is recommended on a larger scale. Lines should be oriented east-west with a line separation of not more than 50 meters and a station interval of 10 meters to ensure better coupling and to obtain more detailed information.

Thomas R. Matich  
Interpretex Resources Ltd.  
July 3, 1989

CERTIFICATE

I, Thomas Raymond Matich, Geophysicist of Surrey, British Columbia, Canada, hereby certify that:

1. I received a B.Sc. degree in Geophysics from the University of British Columbia in 1982.
2. I currently reside at 11591 140 St, in the Municipality of Surrey, in the Province of British Columbia.
3. I have been practising my profession since graduation.
4. I hold no direct or indirect interest in, nor expect to receive any benefits from, the mineral property or properties described in this report.
5. This report may be used for the development of the property, provided that no portion will be used out of context in such a manner as to convey meanings different from that set out in the whole.
6. Consent is hereby given to the company for which this report was prepared to reproduce the report or any part of it for the purposes of development of the property, or facts relating to the raising of funds by way of a prospectus and/or statement of material facts.

Date: July 3, 1981  
Surrey,  
British Columbia

Signed:



Thomas Raymond Matich  
B.Sc.



RAW GEOPHYSICAL DATA

Line: -750 Date: 15 FEB 89 #1  
 POSITION FIELD ERR DRIFT TIME DS  
 -150 56377.0 .11 456.7 14:19:48 88  
 -125 55399.2 .11 456.3 14:22:17 88  
 -100 55887.3 .10 457.0 14:23:59 88  
 -75 55792.2 .09 457.2 14:25:01 88  
 -50 55569.3 .10 456.5 14:28:37 88  
 -25 55546.4 .11 456.5 14:30:43 88  
 0 55609.8 .10 456.9 14:32:41 88  
 25 55479.6 .11 458.2 14:34:21 88  
 50 55814.0 .10 458.5 14:35:53 88  
 75 56300.2 .09 458.6 14:37:17 88  
 100 55657.1 .10 459.5 14:39:20 88  
 125 56024.9 .09 459.1 14:40:21 88  
 150 56333.3 .08 459.9 14:42:20 88

MAPLE.MAG

Line: -700 Date: 15 FEB 89 #14  
 POSITION FIELD ERR DRIFT TIME DS  
 -200 56555.4 .09 457.0 15:04:46 88  
 -175 56344.3 .09 457.9 15:06:44 88  
 -150 56308.6 .08 458.8 15:09:06 88  
 -125 55602.7 .10 459.0 15:10:44 88  
 -100 55463.7 .10 459.7 15:12:55 88  
 -75 56584.6 .10 460.4 15:15:20 88  
 -50 55593.2 .12 460.7 15:16:08 88  
 -25 55418.2 .10 461.1 15:17:09 88  
 0 55361.5 .13 461.4 15:18:47 88  
 25 55352.9 .10 461.9 15:20:44 88  
 50 55490.8 .09 461.4 15:22:59 88  
 75 55853.2 .09 461.3 15:24:48 88  
 100 55729.9 .10 461.2 15:25:57 88  
 125 55282.5 .11 461.4 15:27:41 88  
 150 55770.5 .11 461.7 15:30:00 88  
 175 55286.3 .10 462.1 15:31:34 88  
 200 54832.9 .13 462.7 15:32:45 88  
 225 55252.8 .09 463.0 15:34:11 88  
 250 55292.3 .12 462.2 15:36:07 88  
 275 55378.5 .11 463.1 15:38:03 88  
 300 55553.4 .11 463.8 15:40:10 88  
 325 55220.5 .10 464.2 15:41:57 88  
 350 55084.7 .11 464.3 15:43:02 88  
 375 55137.1 .12 464.9 15:44:19 88  
 400 55101.2 .12 465.6 15:45:53 88

Line: -700 Date: 16 FEB 89 #1  
 POSITION FIELD ERR DRIFT TIME DS  
 425 56398.3 .00 -28.6 8:59:46 88

Line: -600 Date: 16 FEB 89 #2  
 POSITION FIELD ERR DRIFT TIME DS  
 25 55521.3 .11 -27.0 9:05:11 88  
 0 56396.7 .00 -27.0 9:05:50 88  
 -25 55790.0 .11 -07.0 9:15:56 88

Line: -500 Date: 16 FEB 89 #6  
 POSITION FIELD ERR DRIFT TIME DS  
 -50 56049.7 .16 -42.0 9:42:28 88  
 -25 56603.9 1.8 -39.9 9:44:52 88  
 0 56211.2 .15 -40.6 9:46:35 88  
 25 56317.2 .15 -44.0 9:52:59 88  
 50 56649.2 .13 -39.7 9:58:03 88

75	56453.5	.13	-37.7	10:00:50	88
100	56847.4	.28	-33.9	10:08:51	88
125	56837.3	.13	-32.8	10:10:57	88
150	54140.2	.22	-30.4	10:13:01	88
175	56787.6	.08	-0.7	10:16:28	88
200	56155.8	.14	-25.5	10:18:09	88
225	56496.5	.13	-26.5	10:20:12	88
250	56186.6	.14	-26.4	10:21:54	88

Line: -400 Date: 16 FEB 89 #19

POSITION	FIELD	ERR	DRIFT	TIME	DS
325	55893.5	.15	0.5	10:43:09	88
300	55747.1	.14	0.8	10:46:58	88
275	55900.1	.14	0.3	10:49:30	88
250	56266.2	.13	0.5	10:52:06	88
225	56061.4	.16	0.1	10:54:14	88
200	55972.4	.14	0.3	10:55:21	88
175	56356.6	.14	0.8	10:57:43	88
150	56372.2	.14	0.0	10:59:43	88
125	56207.8	.15	0.2	11:05:26	88
100	56005.3	.17	5.9	11:07:03	88
75	55751.9	.16	0.1	11:09:53	88
50	56552.3	.12	4.9	11:11:55	88
25	57207.2	1.6	6.7	11:14:28	88
0	56706.0	.11	2.2	11:18:45	88
-25	56354.6	.14	9.2	11:20:34	88
-50	56273.2	.14	7.5	11:23:32	88
-75	55905.9	.13	1.5	11:25:52	88
-100	56028.1	.13	4.8	11:28:50	88
-125	56398.1	.12	5.7	11:30:25	88
-150	57018.5	.12	4.9	11:32:47	88
-175	56608.4	.13	7.4	11:34:48	88
-200	56688.2	.13	0.5	11:36:17	88
-225	56946.6	.13	9.3	11:40:28	88

Line: -300 Date: 16 FEB 89 #42

POSITION	FIELD	ERR	DRIFT	TIME	DS
-75	55924.6	.10	-5.0	12:33:01	88
-50	56083.3	.11	-4.2	12:34:50	88
-25	56360.5	.09	-3.5	12:38:20	88
0	55706.1	.12	-2.6	12:40:18	88
25	55975.8	.11	-3.2	12:42:30	88
50	57004.3	.10	-3.5	12:47:11	88
75	57291.4	.11	-4.0	12:50:06	88
100	55768.4	.14	-4.3	12:51:25	87
125	55964.6	.10	-4.5	12:53:49	88
150	56120.0	.11	-4.4	12:56:15	88
175	56030.5	.11	-4.9	12:58:12	88
200	56018.7	.10	78.3	12:59:53	88
225	56005.7	.12	-5.4	13:01:55	88
250	55873.0	.12	-5.5	13:06:57	88

Line: -250 Date: 16 FEB 89 #56

POSITION	FIELD	ERR	DRIFT	TIME	DS
325	56392.1	.14	5.7	13:26:47	88
300	57086.1	.08	-3.3	13:28:38	88
275	55884.8	.12	-3.7	13:33:13	88
250	55738.3	.11	-4.0	13:35:43	88
225	55834.3	.11	-4.3	13:37:39	88
200	56234.4	.10	-4.6	13:39:08	88

175	56211.2	.10	-5.3	13:40:40	88
150	56278.2	.10	-5.6	13:42:15	88
125	55922.9	.10	-5.4	13:45:03	88
100	56061.9	.12	-5.7	13:47:51	88
75	56169.3	.11	-6.0	13:50:12	88
50	56124.3	.10	-6.0	13:53:45	88
25	56012.3	.10	-6.4	13:57:01	88
0	55638.5	.11	-6.8	13:59:39	87
-25	55601.4	.12	-7.1	14:01:53	88
-50	56471.7	.10	-6.5	14:05:34	88
-75	56212.9	.09	-6.1	14:08:37	88
-100	56416.7	.10	-4.7	14:10:04	88
-125	55781.3	.11	-5.7	14:12:29	88
-150	55802.1	.11	-6.2	14:15:46	88
-175	56471.6	.09	-5.9	14:17:48	88
-200	56257.7	.10	-5.3	14:19:09	88

Line: 200 Date: 17 FEB 88 #1

POSITION	FIELD	ERR	DRIFT	TIME	DS
25	56367.3	.00	2.4	9:01:43	88
0	55545.8	.12	3.1	9:03:22	88
25	55272.3	.10	3.5	9:05:53	88
50	55423.5	.10	4.4	9:11:15	88
75	55508.6	.12	4.9	9:13:13	88
100	57825.8	.11	5.1	9:16:58	88
125	56882.8	5.3	5.9	9:19:04	68
150	56473.6	.09	5.5	9:20:51	88
175	55131.4	.10	5.9	9:23:38	88
200	55802.2	.13	6.2	9:25:18	88
225	56500.2	.09	5.4	9:27:30	88
250	55976.4	.10	7.5	9:34:44	88
275	55664.6	.12	9.5	9:36:02	88
300	55419.7	.09	9.3	9:37:26	88
325	55525.1	.10	9.0	9:38:59	88
350	55835.9	.11	8.0	9:45:49	88
375	55857.8	.12	10.0	9:48:29	88
400	56448.5	.11	10.3	9:49:32	88
425	56409.1	.08	10.3	9:50:42	88
450	56654.6	.08	9.8	9:51:59	88
475	56595.9	.09	9.5	9:53:08	88
485	56213.9	.10	8.0	9:55:42	88

Line: 150 Date: 17 FEB 88 #23

POSITION	FIELD	ERR	DRIFT	TIME	DS
490	55978.1	.10	11127.1	10:09:26	88
475	56119.8	.09	11690.5	10:12:17	88
450	56562.6	.10	19469.7	10:17:58	88
425	56282.5	.10	20275.5	10:19:44	88
400	55662.9	.20	22961.3	10:21:37	88
375	56048.1	.11	13871.1	10:28:48	88
350	55835.7	.10	13589.8	10:30:57	88
325	56216.6	.10	14011.9	10:35:24	88
300	56383.9	.10	14099.8	10:36:44	88
275	58145.3	.09	14029.9	10:38:43	88
250	57436.4	.10	14060.7	10:39:17	88
225	56245.5	.12	15166.6	10:41:04	87
200	56028.7	.11	15204.7	10:42:27	88
175	55887.0	.11	20440.0	10:43:59	88
150	55911.2	.11	20678.4	10:45:36	88
125	56343.8	.09	20458.1	10:46:37	88
100	56172.7	.10	18458.0	10:47:53	88

75	55546.1	.11	15255.5	10:49:21	88
50	55657.0	.11	14159.2	10:51:14	88
25	55724.9	.11	14606.2	10:52:28	88
0	55766.1	.12	14755.5	10:53:13	88
-25	55748.1	.14	13908.4	10:54:29	88
-50	55532.2	.12	14307.0	10:56:01	88

Line: 100 Date: 17 FEB 88 #46

POSITION	FIELD	ERR	DRIFT	TIME	DS
-75	55984.0	.10	14759.6	11:06:59	88
-50	55878.9	.13	14372.2	11:09:18	88
-25	55979.7	.10	15210.9	11:11:06	88
0	56267.5	.10	15539.8	11:14:34	88
25	55452.4	.13	15093.3	11:16:28	87
50	55534.4	.11	15727.3	11:17:56	88
75	55627.5	.12	14143.1	11:19:47	88
100	55669.4	.12	14512.0	11:21:59	88
125	55693.9	.11	13899.8	11:24:34	88
150	55906.3	.12	14424.6	11:27:52	88
175	56181.4	.11	20002.1	11:30:45	88
200	56131.2	.11	18730.7	11:32:29	88
225	55731.7	.11	19575.8	11:33:36	88
250	55790.7	.12	23734.1	11:35:39	88
275	56250.3	.10	21950.9	11:37:53	88
300	56627.4	.09	18474.0	11:41:11	88
325	55804.5	.11	16041.3	11:43:34	88
350	55771.0	.11	24204.4	11:46:34	88
375	55973.8	.10	28329.0	11:50:07	88
400	56633.4	.10	13.5	11:54:56	88
425	55867.8	.11	-4.6	11:58:36	88
450	56035.4	.10	-4.4	12:00:10	88
475	55921.8	.10	15.4	12:01:45	88
485	55923.2	.12	1.2	12:02:48	88

Line: 50 Date: 17 FEB 88 #70

POSITION	FIELD	ERR	DRIFT	TIME	DS
-200	55704.3	.18	14.0	13:12:14	88
-175	55741.1	.12	17.8	13:13:53	88
-150	55728.4	.16	-8.9	13:16:16	88
-125	55754.6	.13	-0.1	13:19:17	88
-100	55744.9	.10	-10.0	13:23:52	88
-75	55596.9	.12	-10.1	13:25:36	88
-50	56297.1	.10	-42.8	13:28:54	88
-25	56346.7	.09	-14.5	13:32:56	88
0	56081.2	.11	-14.8	13:34:14	88
25	55901.0	.11	-38.5	13:35:40	88
50	55744.2	.11	-13.6	13:37:19	88
75	55428.0	.13	-13.2	13:39:42	88

Line: 0 Date: 17 FEB 88 #82

POSITION	FIELD	ERR	DRIFT	TIME	DS
75	55804.7	.13	-18.7	13:47:16	88
50	55833.4	.10	7.0	13:50:22	88
25	56321.9	.10	-21.8	13:52:43	88
0	55779.3	.13	-19.5	13:55:39	88
-25	55972.9	.10	-18.0	13:59:02	88
-50	55949.6	.11	27.2	14:01:07	88
-75	55669.9	.13	21.3	14:03:54	88
-100	55772.5	.09	-8.8	14:06:23	88

Line: -50 Date: 17 FEB 88 #90  
 POSITION FIELD ERR DRIFT TIME DS  
 0 55739.8 .13 -8.1 14:32:14 88  
 25 55759.5 .12 -3.3 14:34:55 88  
 50 55794.1 .11 -3.1 14:36:00 88  
 75 55816.7 .12 34.1 14:37:30 88  
 100 55853.6 .11 22.8 14:39:53 88

Line: -100 Date: 17 FEB 88 #95  
 POSITION FIELD ERR DRIFT TIME DS  
 100 56013.4 .11 -15.7 14:45:02 88  
 75 55959.5 .13 -4.0 14:48:01 88  
 50 55794.1 .13 -3.8 14:50:08 88  
 25 55700.4 .12 -4.7 14:51:48 88  
 0 55468.4 .14 61.4 14:53:20 88  
 -25 55409.8 .12 -8.1 14:54:54 88  
 -50 55311.5 .12 17.2 14:56:57 88  
 -75 55412.8 .12 -9.8 14:59:40 88  
 -100 55451.5 .09 -8.1 15:01:53 88  
 -125 55563.4 .11 -6.8 15:03:43 88  
 -150 55346.0 .14 -6.9 15:04:49 88  
 -175 55313.4 .12 -3.2 15:06:03 88  
 -200 55796.0 .10 25.3 15:07:36 88  
 -225 55567.8 .12 -2.1 15:09:05 88  
 -250 56149.2 .11 -3.8 15:12:32 88  
 -275 56665.9 .09 -4.4 15:13:45 88  
 -300 56332.1 .10 14.2 15:14:52 87  
 -325 55869.9 .09 187.3 15:16:10 88

Line: -150 Date: 23 FEB 89 #1  
 POSITION FIELD ERR DRIFT TIME DS  
 -200 56014.6 .10 -2.9 9:15:06 88  
 -175 55557.2 .11 -5.4 9:18:53 88  
 -150 55883.8 .11 -4.5 9:21:10 88  
 -125 55639.5 .09 -3.0 9:22:52 88  
 -100 55605.8 .12 -2.1 9:24:49 88  
 -75 55483.7 .08 -0.1 9:27:05 88  
 -50 55637.5 .12 2.0 9:30:12 88  
 -25 55452.2 .13 3.3 9:32:03 88  
 0 55518.5 .14 3.6 9:34:33 88  
 25 55626.1 .10 5.9 9:42:50 88  
 50 55533.2 .10 7.7 9:45:36 88  
 75 55592.9 .14 6.7 9:48:25 87  
 100 55810.6 .12 9.7 9:51:41 88

Line: -200 Date: 23 FEB 89 #14  
 POSITION FIELD ERR DRIFT TIME DS  
 -200 55967.0 .11 9.2 10:40:09 88  
 -175 56564.8 .10 7.8 10:43:52 88  
 -150 55806.3 .11 9.5 10:47:37 88  
 -125 55710.7 .12 9.3 10:50:06 88  
 -100 55663.7 .12 9.6 10:52:37 88  
 -75 55996.3 .12 9.0 10:55:20 88  
 -50 55825.0 .11 9.6 10:57:42 88  
 -25 55697.0 .14 9.9 10:58:57 88  
 0 56131.6 .13 8.9 11:01:06 88  
 25 55358.9 .10 8.5 11:03:29 88  
 50 56104.8 .10 9.4 11:07:41 88  
 75 55807.9 .13 9.2 11:09:11 88  
 100 56212.6 .10 9.4 11:11:21 88  
 125 56134.2 .11 11.3 11:13:53 88

150	55893.5	.11	11.1	11:15:31	88
175	55988.5	.12	11.3	11:16:53	88
200	56420.0	.10	11.5	11:18:20	88
225	56561.3	.10	12.1	11:19:25	88
250	56157.0	.11	11.8	11:21:47	88
275	56316.4	.13	10.3	11:23:13	88
300	56288.4	.11	8.9	11:26:52	87

Line: -150 Date: 23 FEB 89 #35

POSITION	FIELD	ERR	DRIFT	TIME	DS
275	56092.6	.11	13.6	12:04:15	88
250	56594.2	.09	14.2	12:05:26	88
225	56121.2	.11	13.9	12:07:43	88
200	56340.3	.11	14.1	12:09:39	88
175	56306.6	.13	13.2	12:12:32	87

Line: -100 Date: 23 FEB 89 #40

POSITION	FIELD	ERR	DRIFT	TIME	DS
125	56706.0	.07	14.1	12:20:18	88
150	56929.4	.12	15.1	12:23:12	88
175	56930.0	.11	13.1	12:25:10	87
200	57138.9	.10	12.8	12:27:00	88
225	56254.6	.13	13.6	12:29:11	87
250	56596.1	.10	15.1	12:31:23	87
275	56135.9	.11	15.2	12:32:59	88
300	56264.2	.12	14.0	12:35:20	88
325	56205.8	.11	14.1	12:36:51	88
350	56235.9	.13	15.3	12:38:53	87
375	56289.3	.12	15.6	12:40:00	88
400	56105.6	.12	15.8	12:41:37	87

Line: -50 Date: 23 FEB 89 #52

POSITION	FIELD	ERR	DRIFT	TIME	DS
250	55762.9	.14	13.1	12:59:30	88
225	56041.8	.11	12.8	13:01:42	88
200	56631.1	.14	20.2	13:04:01	88
175	56466.1	.10	11.5	13:06:31	88
150	56713.7	.10	10.8	13:11:15	88

Line: 0 Date: 23 FEB 89 #57

POSITION	FIELD	ERR	DRIFT	TIME	DS
150	56784.5	.09	7.7	13:32:16	88
175	56635.6	.09	7.0	13:35:47	88
200	56541.8	.11	6.9	13:37:48	88
225	56075.4	.12	6.7	13:39:42	88
250	54951.5	.15	24.7	13:42:25	88
275	56028.0	.11	4.9	13:53:18	88
300	55785.0	.15	4.3	13:56:33	88
325	55997.0	.11	4.2	13:59:41	87
350	55875.0	.15	4.1	14:00:40	87
375	56447.4	.14	3.6	14:03:02	87

EOF

MAPLE SEA

Line	-750	Date	15 FEB 89	24.8	#1
POSITION	I/P	QUAD	T.FLD	DIR	CULT S
-150	7.2	-2.5	138.7	-33.5	66
-125	18.8	4.0	158.2	-27.2	56
-100	4.8	-2.1	165.8	-29.0	68
-75	0.9	-3.0	170.3	-3.7	59
-50	-2.1	-3.4	170.3	-33.9	56
-25	-3.0	-2.9	168.4	-16.8	59
0	-3.1	-2.9	167.9	-30.8	49
25	-5.4	-3.5	169.8	-23.6	57
50	-6.7	-4.5	163.8	-31.7	58
75	-6.3	-5.3	168.8	-14.5	69
100	-7.7	-6.4	162.7	-19.3	59
125	-6.2	-5.1	166.2	-18.0	49
150	-8.2	-6.3	161.7	-21.4	59

Line	-700	Date	15 FEB 89	24.8	#14
POSITION	I/P	QUAD	T.FLD	DIR	CULT S
-200	7.9	9.2	154.4	-30.8	67
-175	12.2	12.5	160.7	-20.2	78
-150	8.2	10.0	160.1	-25.2	58
-125	14.2	13.3	166.4	-17.3	47
-100	7.9	8.8	161.0	-30.3	67
-75	5.9	6.9	169.0	-24.5	48
-50	5.4	5.3	161.0	-36.3	56
-25	3.3	4.5	163.7	-28.6	68
0	-4.2	1.1	163.0	-36.7	69
25	-12.8	-2.2	146.8	-35.9	67
50	-9.0	1.0	136.0	-27.1	55
75	-4.6	4.5	136.3	-26.1	67
100	-2.7	5.7	129.0	-30.5	69
125	0.2	8.5	126.7	-36.3	55
150	6.4	10.5	132.0	-23.1	56
175	2.9	6.6	139.3	-44.6	69
200	3.5	5.2	138.2	-54.8	69
225	4.6	6.3	133.5	-37.4	45
250	3.7	4.0	143.7	-48.2	59
275	3.6	1.0	134.4	-42.7	65
300	3.7	-0.1	135.2	-50.7	59
325	7.0	-1.3	136.5	-54.0	49
350	5.4	-3.0	132.6	-47.1	49
375	6.9	-4.6	126.5	-58.8	59
400	12.5	-2.4	125.8	-68.4	49

EOF

Line	-700	Date	16 FEB 88	24.8	#1
POSITION	I/P	QUAD	T.FLD	DIR	CULT S
425	71.9	0.1	2056.	4.0	98

Line	-600	Date	16 FEB 88	24.8	#2
POSITION	I/P	QUAD	T.FLD	DIR	CULT S
25	-14.7	-1.5	143.4	-24.8	53

Line	-600	Date	16 FEB 88	24.8	#3
POSITION	I/P	QUAD	T.FLD	DIR	CULT S
0	-13.9	-1.2	150.0	-23.2	64
-25	-15.0	-1.5	152.1	-32.5	CLIF 57

Line	-500	Date	16 FEB 88	24.8	#6
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POSITION	I/P	QUAD	T.FLD	DIR	CULT	S
-50	11.8	7.1	173.0	-30.5	CLIF	66
-25	12.3	6.6	172.1	-35.3		55
0	11.6	6.7	173.5	-19.8	BASE	68
25	11.7	6.9	176.9	-17.9	RAV	79
50	12.6	8.0	177.4	-22.0	CLIF	69
75	12.8	7.4	179.4	-31.8		57
100	10.7	6.9	180.2	-34.2	CLIF	66
125	10.7	6.0	181.5	-22.5		67
150	12.1	4.4	186.3	-28.4	RAV	59
175	6.9	1.7	190.2	-38.1		58
200	3.8	-0.9	186.9	-39.1	RAV	65
225	1.6	-3.2	184.8	-35.5		56
250	1.4	-3.8	185.6	-41.8	CLIF	46

Line -400 Date 16 FEB 88 24.8 #19

POSITION	I/P	QUAD	T.FLD	DIR	CULT	S
325	2.6	10.3	173.8	-32.5	CLIF	67
300	1.6	8.7	173.6	-37.4	CLIF	66
275	-0.5	7.3	177.2	-24.5		68
250	-2.3	4.9	174.2	-37.1		66
225	-2.5	4.2	173.4	-39.7		46
200	-2.9	4.3	178.2	-34.0		67
175	-5.4	1.8	183.2	-53.9	RAV	69
150	-6.8	1.3	182.1	-38.0		55
125	-7.6	0.8	182.6	-36.3		66
100	-7.5	1.7	185.7	-24.8	RAV	68
75	-15.9	-2.3	186.8	-0.6	RAV	47
50	-15.6	-4.0	176.2	-33.8	RAV	65
25	-15.2	-2.6	176.4	-47.4	CLIF	69
0	-14.4	-2.4	172.8	-34.9	BASE	46
-25	-14.8	-2.3	169.9	-25.0	RAV	67
-50	-14.1	-2.0	171.7	-41.0		55
-75	-15.3	-2.6	173.6	-33.0		65
-100	-17.3	-4.2	176.4	-45.4	RAV	69
-125	-17.0	-5.6	167.7	-29.4	CROP	59
-150	-15.9	-6.3	163.7	-35.2	CROP	56
-175	-14.4	-5.9	165.1	-31.7	CROP	65
-200	-14.6	-5.0	168.6	-50.4	CROP	69
-225	-13.1	-6.4	164.2	-40.7	CLIF	65

Line -300 Date 16 FEB 88 24.8 #42

POSITION	I/P	QUAD	T.FLD	DIR	CULT	S
-75	10.7	2.6	185.7	-40.6	RAV	65
-50	7.4	0.7	185.8	-35.8		56
-25	3.7	-3.4	182.0	-37.5		66
0	4.0	-3.0	181.8	-32.4	BASE	57
25	0.4	-1.7	180.0	-27.2	RAV	69
50	-0.2	-0.3	176.6	-37.4	CLIF	66
75	-1.4	-0.8	180.9	-44.0		59
100	-0.7	-1.7	172.4	-40.0	RAV	66
125	-1.7	-2.0	170.3	-38.2		56
150	-2.7	-1.8	168.8	-38.5	RAV	66
175	-3.0	-2.0	170.2	-40.4		66
200	-5.9	-3.9	170.0	-31.1		66
225	-8.7	-6.6	166.0	-24.7	CLIF	69
250	-11.4	-8.3	159.4	-19.1	RAV	79

Line -250 Date 16 FEB 88 24.8 #56

POSITION	I/P	QUAD	T.FLD	DIR	CULT	S
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325	4.3	4.2	159.2	-48.3	CLIF	69
300	6.1	3.7	156.1	-33.9		46
275	8.1	6.2	158.2	-37.9	RAV	76
250	9.1	7.2	170.1	-35.3	RAV	65
225	3.4	4.1	171.9	-26.0		67
200	1.6	2.4	170.9	-25.3		67
175	1.8	1.7	173.5	-27.4		77
150	1.9	2.3	179.6	-32.3	RAV	66
125	0.0	1.6	189.5	-45.6		79
100	-1.9	1.9	182.3	-34.0		56
75	-2.8	1.2	183.3	-33.6		66
50	-2.8	1.1	191.4	-52.1		79
25	-4.1	1.9	187.9	-25.2		59
0	-4.3	4.1	191.4	-36.8	RAV	58
-25	-5.0	5.9	187.9	-38.5		49
-50	-3.3	7.3	194.5	-45.3	INCL	69
-75	-5.1	5.9	190.9	-26.8		49
-100	-6.8	4.4	193.1	-40.2		66
-125	-13.9	1.4	205.5	-37.5	RAV	49
-150	-15.0	1.5	195.8	-45.3		59
-175	-15.0	0.0	185.0	-32.1		58
-200	-15.2	-0.2	183.9	-25.6	DECL	69

EOF

Line	200	Date	17 FEB 89	24.8	#2
POSITION	I/P	QUAD	T.FLD	DIR	CULT S
0	-9.9	8.2	197.9	-38.6	65
25	-9.2	7.1	199.8	-38.5	RIVR 75
50	-9.5	6.0	203.9	-28.5	69
75	-9.8	4.8	204.1	-26.5	RAV 67
100	-8.0	6.1	203.0	-37.3	CLIF 65
125	-3.4	5.3	201.3	-43.2	RAV 76
150	0.0	5.4	206.8	-46.0	69
175	2.1	5.5	201.3	-33.7	58
200	1.8	4.8	208.9	-29.7	CROP 59
225	1.4	4.1	215.6	-48.0	79
250	2.8	3.4	200.2	-31.9	67
275	4.3	2.7	210.9	-44.7	69
300	5.4	2.0	216.4	-55.8	69
325	5.3	0.7	213.3	-53.2	CROP 69
350	3.7	-0.3	212.3	-47.0	69
375	4.2	1.0	206.8	-22.3	RAV 79
400	1.3	-1.2	204.6	-31.9	77
425	1.5	-1.7	199.6	-37.5	76
450	1.4	-1.7	195.9	-39.6	66
475	1.0	-2.5	200.6	-45.6	79
485	2.0	-2.6	197.1	-61.0	CLIF 69

Line	150	Date	17 FEB 89	24.8	#23
POSITION	I/P	QUAD	T.FLD	DIR	CULT S
490	-5.0	2.9	191.4	-44.5	CLIF 69
475	-5.0	-0.1	183.0	-35.6	CLIF 49
450	-5.1	0.8	179.8	-40.1	CLIF 56
425	-5.7	1.8	186.7	-45.3	59
400	-7.2	0.6	193.8	-64.2	RAV 59
375	-9.2	-0.8	185.2	-33.6	RAV 59
350	-8.8	-1.1	186.7	-34.7	46
325	-10.4	-0.9	189.6	-47.3	CLIF 49
300	-10.9	-3.4	178.6	-33.5	RAV 49

275	-7.3	-3.5	179.3	-48.8	59
250	-6.6	-5.1	174.5	-33.3	46
225	-6.9	-5.6	177.9	-27.1	59
200	-6.2	-5.3	178.4	-32.5RAV	59
175	-6.7	-7.3	174.5	-24.8RAV	69
150	-3.5	-6.3	176.3	-37.7	58
125	-1.7	-7.1	174.5	-35.0	67
100	1.9	-6.3	178.5	-31.7RAV	67
75	3.5	-5.3	180.6	-34.0	66
50	3.5	-7.6	184.4	-40.4	56
25	3.6	-8.8	191.2	-44.9	59
0	5.9	-8.1	189.7	-39.5BASE	66
-25	4.5	-10.5	190.9	-36.0	46
-50	5.8	-12.2	195.3	-46.0RIVR	49

Line	100	Date	17 FEB 89	24.8	#46
POSITION	I/P	QUAD	T.FLD	DIR	CULT S
-75	-18.0	7.7	180.5	-42.9RIVR	49
-50	-14.2	9.6	182.8	-39.8	59
-25	-11.5	10.9	181.4	-38.8CLIF	59
0	-10.9	10.1	182.9	-18.7RAV	69
25	-9.4	10.1	181.5	-14.2CLIF	59
50	-7.5	8.8	178.4	-42.5CLIF	57
75	-6.6	8.3	173.3	-34.6	67
100	-6.3	8.0	173.6	-34.7RAV	67
125	-7.2	7.0	167.5	-31.7	59
150	-2.6	9.3	168.8	-17.3CLIF	58
175	-0.8	7.3	169.5	-34.6	67
200	1.3	7.5	166.5	-26.4	58
225	2.7	6.4	168.3	-30.1RAV	46
250	2.3	6.5	165.5	-31.7	67
275	3.9	5.8	170.1	-44.4	59
300	3.2	5.7	163.1	-33.9	66
325	3.9	2.9	161.0	-38.0RAV	46
350	5.0	2.1	169.0	-53.7CLIF	59
375	2.1	-0.1	166.1	8.1RAV	59
400	1.5	0.6	164.9	-18.8	58
425	1.5	-0.5	167.6	-56.4RAV	59
450	0.4	-1.5	164.8	-66.2	49
475	-1.1	-0.8	161.7	-47.2	49
485	-1.1	-2.1	158.1	-57.0CLIF	49

Line	50	Date	17 FEB 89	24.8	#70
POSITION	I/P	QUAD	T.FLD	DIR	CULT S
-200	14.5	2.5	221.4	-23.8ROAD	67
-175	9.4	4.1	241.5	-23.2ROAD	58
-150	0.2	5.2	247.4	-19.9BOG	69
-125	-10.0	4.5	239.9	-13.6BOG	69
-100	-26.7	1.3	219.8	-11.5BOG	59
-75	-32.2	0.6	198.1	-1.3	49
-50	-17.3	9.1	188.2	-49.7	59
-25	-16.1	8.7	180.0	-12.4	69
0	-13.7	9.4	174.6	-21.7BASE	49
25	-12.0	10.3	172.6	-9.5	47
50	-12.2	9.5	170.1	-31.9	59
75	-12.3	8.3	170.6	-27.2CLIF	59

Line	0	Date	17 FEB 89	24.8	#82
POSITION	I/P	QUAD	T.FLD	DIR	CULT S
75	8.6	-7.3	172.4	-31.3RAV	46

50	4.2	-10.6	181.3	-31.0	CLIF	57
25	4.5	-11.9	186.3	-45.0		49
0	35.5	2.1	217.9	-62.1	RAIL	54
-25	14.4	-6.3	191.8	-44.0		59
-50	18.8	-4.9	205.6	-63.9		69
-75	20.3	-0.9	226.4	-35.9	BOG	46
-100	9.1	-3.5	253.7	-58.4	BOG	59

Line -50	Date 17	FEB 89	24.8	#90		
POSITION	I/P	QUAD	T.FLD	DIR	CULT	S
0	-14.7	5.8	199.4	-34.6	CLIF	59
25	-12.9	7.7	193.2	-27.6		48
50	-11.1	9.5	193.5	-35.8		47
75	-14.2	7.3	178.1	-30.5		47
100	-10.9	9.2	181.5	-24.0	CLIF	69

Line -100	Date 17	FEB 89	24.8	#95		
POSITION	I/P	QUAD	T.FLD	DIR	CULT	S
100	7.3	-6.0	183.7	-16.8		69
75	11.5	-3.2	191.8	-19.5		59
50	9.4	-3.7	210.6	-16.9		69
25	7.5	-4.8	214.1	-25.3		68
0	11.7	-1.2	225.5	-33.0	BASE	68
-25	11.1	-1.3	237.8	-37.4	RAV	76
-50	2.4	-1.5	263.5	-38.1	CREC	56
-75	-3.8	-2.3	268.7	-47.8		59
-100	-11.0	-1.1	253.3	-44.1		66
-125	-12.5	-0.1	250.3	-44.4		49
-150	-14.3	2.3	240.2	-42.4		59
-175	-17.5	2.8	232.1	-29.7		49
-200	-16.7	3.9	226.5	-39.1		59
-225	-17.4	4.6	220.6	-35.3		49
-250	-17.4	4.9	213.1	-20.4		59
-275	-16.9	3.8	207.3	-36.2		59
-300	-19.6	3.5	202.6	-8.5		69
-325	-18.3	5.1	191.6	-26.4	RIVR	49

EOF

Line -150	Date 23	FEB 89	24.8	#1		
POSITION	I/P	QUAD	T.FLD	DIR	CULT	S
-200	8.9	-2.8	233.9	-45.6		59
-175	6.2	-5.7	212.9	-34.6		49
-150	2.9	-5.8	201.3	-42.1		64
-125	2.6	-4.3	199.5	-25.9		56
-100	2.3	-3.4	193.9	-15.8		59
-75	4.1	-1.3	198.5	-32.8		46
-50	1.7	-1.3	222.0	-47.2		59
-25	-0.1	-0.1	220.4	-33.0		66
0	-2.7	0.9	220.9	-34.8	BASE	49
25	-5.4	1.1	214.1	-28.8		59
50	-7.4	1.5	216.3	-29.4		56
75	-9.0	1.6	208.5	-37.2	CLIF	46
100	-5.1	1.2	215.5	-58.9	CLIF	49

Line -200	Date 23	FEB 89	24.8	#14		
POSITION	I/P	QUAD	T.FLD	DIR	CULT	S
-200	12.2	-0.4	200.7	-43.6	CLIF	59
-175	12.3	-0.8	209.0	-44.3		49
-150	11.5	-1.7	227.1	-44.6		49

-125	4.0	-6.1	226.6	-31.1	48
-100	0.4	-6.2	214.2	-20.9	49
-75	0.3	-5.0	214.4	-31.7	46
-50	0.9	-5.0	216.5	-44.5	69
-25	2.2	-2.5	210.1	-35.4RAV	65
0	-0.8	-1.9	218.1	-46.5BASE	69
25	-1.9	-1.2	206.1	-36.7CLIF	56
50	-3.0	0.5	194.3	-35.7	65
75	-5.0	0.7	194.1	-25.4RAV	67
100	-5.0	0.8	185.1	-40.1	56
125	-7.4	0.0	181.2	-31.3RAV	49
150	-8.4	0.2	175.6	-33.6	66
175	-12.1	-1.0	170.3	-18.3RAV	69
200	-11.5	0.0	162.4	-30.2	48
225	-10.1	-0.2	158.0	-26.0	69
250	-8.9	-1.0	156.4	-37.9RAV	56
275	-8.6	-1.2	153.1	-39.3	56
300	-7.5	-2.3	148.6	-33.6CLIF	59

Line	-150	Date	23 FEB 89	24.8	#35
POSITION	I/P	QUAD	T.FLD	DIR	CULT S
275	-0.3	-0.3	131.9	-21.2CLIF	57
250	0.5	-3.8	140.3	-45.3	59
225	0.6	-2.5	136.9	-23.0HOLE	66
200	1.7	-3.5	142.7	-28.1BOG	65
175	3.3	-3.2	148.8	-34.5	44

Line	-100	Date	23 FEB 89	24.8	#40
POSITION	I/P	QUAD	T.FLD	DIR	CULT S
125	-7.9	10.8	160.9	-16.1CLIF	49
150	-6.5	10.5	156.9	-7.9	49
175	-5.2	8.8	150.6	-31.3	46
200	-2.8	8.6	149.2	-37.8	56
225	-0.2	6.8	151.8	-41.2BOG	64
250	-2.4	6.0	148.6	-21.7CLIF	56
275	-3.3	2.2	152.2	-44.9RAV	59
300	-2.8	1.0	143.0	-41.4CLIF	46
325	-2.5	0.9	141.4	-37.1RAV	56
350	-1.8	1.5	141.1	-43.7	46
375	-0.9	0.7	140.9	-42.8	48
400	-0.1	-1.0	140.5	-64.1CLIF	59

Line	-50	Date	23 FEB 89	24.8	#52
POSITION	I/P	QUAD	T.FLD	DIR	CULT S
250	-2.7	-3.5	156.0	-38.1RAV	58
225	-2.7	-6.7	161.2	-45.5	59
200	-3.2	-6.1	154.0	-38.5RAV	46
175	-1.5	-6.9	155.4	-21.4RAV	56
150	-1.3	-9.1	155.0	-25.8CLIF	65

Line	0	Date	23 FEB 89	24.8	#57
POSITION	I/P	QUAD	T.FLD	DIR	CULT S
150	-1.0	11.1	148.4	-38.8CLIF	56
175	-0.1	10.1	144.6	-34.3RAV	48
200	1.6	9.1	143.1	-37.3	49
225	2.2	8.2	142.7	-34.5	48
250	85.1	-5.6	598.6	51.9RAV	56
275	0.7	0.0	103.4	-38.8	64
300	0.4	0.0	103.9	-38.6	45
325	1.0	0.0	104.1	-38.0	54

350	0.7	0.0	102.7	-35.7RAV	54
375	1.5	0.0	106.1	-62.1RAV	59

OF

Line: -250 Date: 24 FEB 89 #1  
 POSITION FIELD ERR DRIFT TIME DS  
 75 55106.9 .11 11.8 9:59:14 88  
 50 55571.8 .11 10.5 10:08:36 88  
 25 55208.3 .11 9.6 10:11:09 88  
 0 55698.3 .11 8.8 10:13:26 88  
 -25 55468.7 .11 7.6 10:17:30 88  
 -50 55477.1 .09 8.4 10:20:38 88  
 -75 55997.4 .09 8.6 10:22:38 88  
 -100 56805.8 .09 9.1 10:25:47 88  
 -125 56504.8 .11 8.3 10:27:41 88  
 -150 56581.8 .09 7.7 10:29:32 88  
 -175 57148.3 .08 8.0 10:30:42 88  
 -200 56404.1 .11 8.0 10:32:35 87  
 -225 56296.2 .08 8.1 10:33:53 88  
 -250 55972.5 .11 8.4 10:35:45 88

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Line: -200 Date: 24 FEB 89 #15  
 POSITION FIELD ERR DRIFT TIME DS  
 -250 55689.4 .13 10.0 10:45:55 88  
 -225 55978.4 .10 4.6 11:12:29 88  
 -200 55580.1 .12 4.6 11:14:11 88  
 -175 56387.8 .10 4.9 11:15:35 88  
 -150 56243.6 .18 4.2 11:17:48 88  
 -125 56212.3 .10 2.1 11:23:11 88  
 -100 56138.7 .10 0.9 11:25:11 88  
 -75 55583.1 .11 0.4 11:26:38 87  
 -50 56160.8 .11 -1.3 11:31:07 88  
 -25 55553.3 .11 -1.3 11:32:26 88  
 0 55507.0 .12 -3.3 11:39:47 88  
 25 56018.0 .11 -2.5 11:42:43 88  
 50 55077.5 .12 -2.6 11:44:35 88

Line: -150 Date: 24 FEB 89 #28  
 POSITION FIELD ERR DRIFT TIME DS  
 +25 55145.2 .13 -2.4 11:51:20 88  
 0 55559.3 .10 -2.6 11:58:31 88  
 -25 56007.1 .11 -1.9 12:01:29 88  
 -50 55890.3 .11 -1.3 12:03:16 88  
 -75 55238.3 .14 -1.9 12:07:10 88  
 -100 56362.8 .09 -2.1 12:10:35 88  
 -125 56353.2 .09 0.2 12:28:59 88  
 -150 56650.4 .09 0.5 12:30:42 88  
 -175 55671.9 .11 1.9 12:32:33 88  
 -200 56439.8 .11 2.3 12:34:37 88  
 -225 55735.8 .11 3.2 12:36:07 87  
 -250 55580.1 .12 5.5 12:48:58 88

Line: -100 Date: 24 FEB 88 #40  
 POSITION FIELD ERR DRIFT TIME DS  
 -250 55875.5 .11 7.1 12:56:36 88  
 -225 55787.7 .12 7.7 13:00:22 88  
 -200 55845.0 .12 8.6 13:02:35 88  
 -175 56253.1 .09 9.0 13:05:37 88  
 -150 56298.1 .10 9.5 13:08:18 88  
 -125 56062.1 .10 9.4 13:09:23 88  
 -100 55636.4 .11 9.8 13:11:16 88  
 -75 56294.3 .11 9.7 13:15:12 88  
 -50 56601.7 .09 9.7 13:17:02 88  
 -25 56377.5 .11 9.6 13:19:09 88

0 55766.7 .11 10.1 13:20:40 88  
-25 54360.7 .14 10.1 13:52:50 87

Line: -50 Date: 24 FEB 89 #52  
POSITION FIELD ERR DRIFT TIME DS  
0 55536.3 .13 8.4 14:05:40 88  
- 25 57816.1 .09 8.3 14:10:07 88  
- 50 56365.1 .11 8.0 14:11:47 88  
- 75 56435.2 .09 7.6 14:13:16 88  
- 100 55984.9 .12 7.5 14:14:44 88  
- 125 55296.8 .11 7.3 14:16:22 88  
- 150 55468.3 .11 7.3 14:18:02 88  
- 175 55861.8 .10 7.0 14:20:11 88  
- 200 56118.5 .11 5.4 14:39:01 88  
- 225 56266.7 .10 5.0 14:41:28 88  
- 250 55906.7 .11 4.9 14:43:27 88

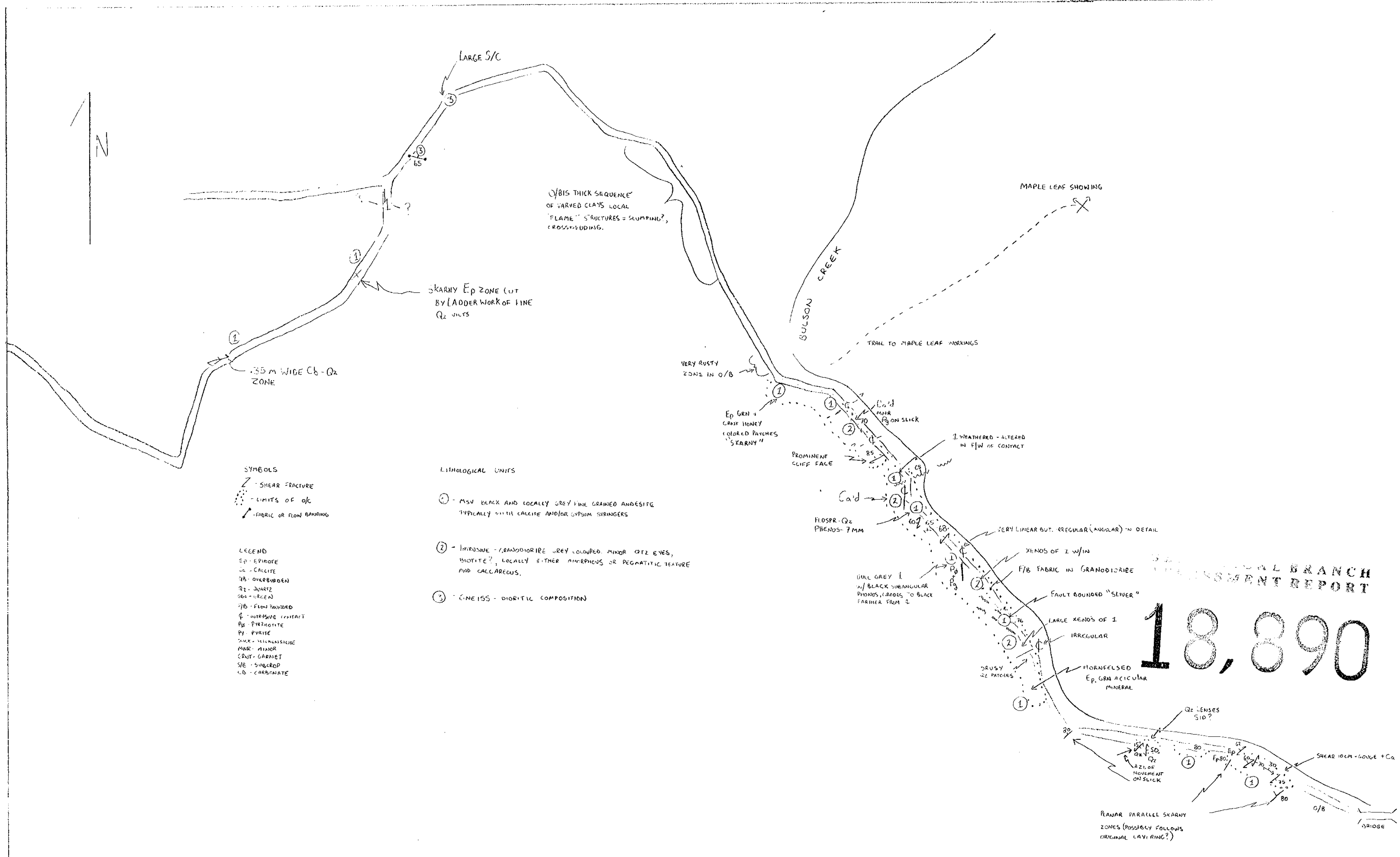
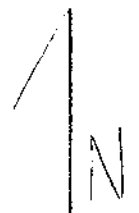
Line: 0 Date: 24 FEB 89 #63  
POSITION FIELD ERR DRIFT TIME DS  
- 250 55940.8 .12 5.3 14:47:25 88  
- 225 56345.8 .10 5.7 15:00:42 88  
- 200 55871.6 .11 5.5 15:01:57 88  
- 175 56035.1 .10 5.4 15:03:26 88  
- 150 55948.3 .11 5.2 15:04:54 88  
- 125 56004.0 .12 5.3 15:05:49 88  
- 100 55269.6 .13 5.2 15:06:56 87  
- 75 55964.5 .11 5.2 15:08:13 88  
- 50 56066.8 .11 5.5 15:09:09 88  
25 55272.2 .10 6.4 15:11:45 88  
0 54489.7 .12 6.9 15:20:25 88

Line: 50 Date: 24 FEB 89 #74  
POSITION FIELD ERR DRIFT TIME DS  
0 55303.9 .13 9.8 15:53:31 88  
- 25 55655.5 .11 9.8 15:57:16 88  
- 50 55170.5 .10 10.1 16:03:25 88  
- 75 55095.2 .11 10.4 16:05:16 88  
- 100 55844.1 .10 10.4 16:07:06 88  
- 125 55762.6 .11 8.8 16:14:31 88  
- 150 56159.9 .09 8.7 16:16:30 88  
- 175 56660.3 .09 9.1 16:17:44 88  
- 200 56082.9 .10 9.2 16:18:45 88  
- 225 55799.8 .10 9.6 16:19:48 88  
- 250 55929.4 .14 10.0 16:21:08 88

Line: 75 Date: 24 FEB 89 #85  
POSITION FIELD ERR DRIFT TIME DS  
- 250 55504.0 .12 10.6 16:29:06 88  
- 225 55670.3 .13 10.9 16:31:30 88  
- 200 55695.3 .13 10.7 16:32:40 88  
- 175 56648.8 .10 10.8 16:33:31 88  
- 150 56558.0 .10 10.9 16:34:45 88  
- 125 55864.3 .10 11.2 16:36:38 88  
- 100 55433.7 .12 11.2 16:38:15 88  
75 55034.9 .11 11.3 16:40:47 88  
50 55001.1 .12 11.3 16:41:48 88  
- 25 55650.6 .10 11.7 16:45:28 88  
0 55012.7 .16 11.6 16:46:32 88

EOF

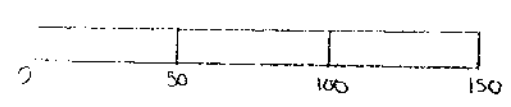




- SYMBOLS
- SHEAR FRACTURE
  - LIMITS OF Qz
  - FABRIC OR FLOW BANDING

- LEGEND
- Ep - EPIDOTE
  - Ca - CALCITE
  - Ob - OVERBUDEN
  - Qz - QUARTZ
  - Gra - GREEN
  - Fb - FLOW BANDING
  - I - INTRUSIVE CONTACT
  - Pb - PHTHOITE
  - Py - PYRITE
  - Sch - SCHISTOSITY
  - Mnr - MINOR
  - Crnt - CRYSTAL
  - Sr - SUBCRIP
  - Lb - LACONITE

- LITHOLOGICAL UNITS
- ① - MSV BLACK AND LOCALLY GREY FINE GRAINED ANDESITE TYPICALLY WITH CALCITE AND/OR GYPSUM STRINGS
  - ② - IRONIC - / GRANODIORITE GREY COLOURED MINOR Qtz ENDS, BIOTITE?, LOCALLY EITHER AMPHIBOLIC OR REGMATITIC FEATURE AND CALCAREOUS.
  - ③ - GNEISS - DIORITIC COMPOSITION



SCALE: 1:2500 (METRES)

BRANCH  
REPORT  
**18,890**

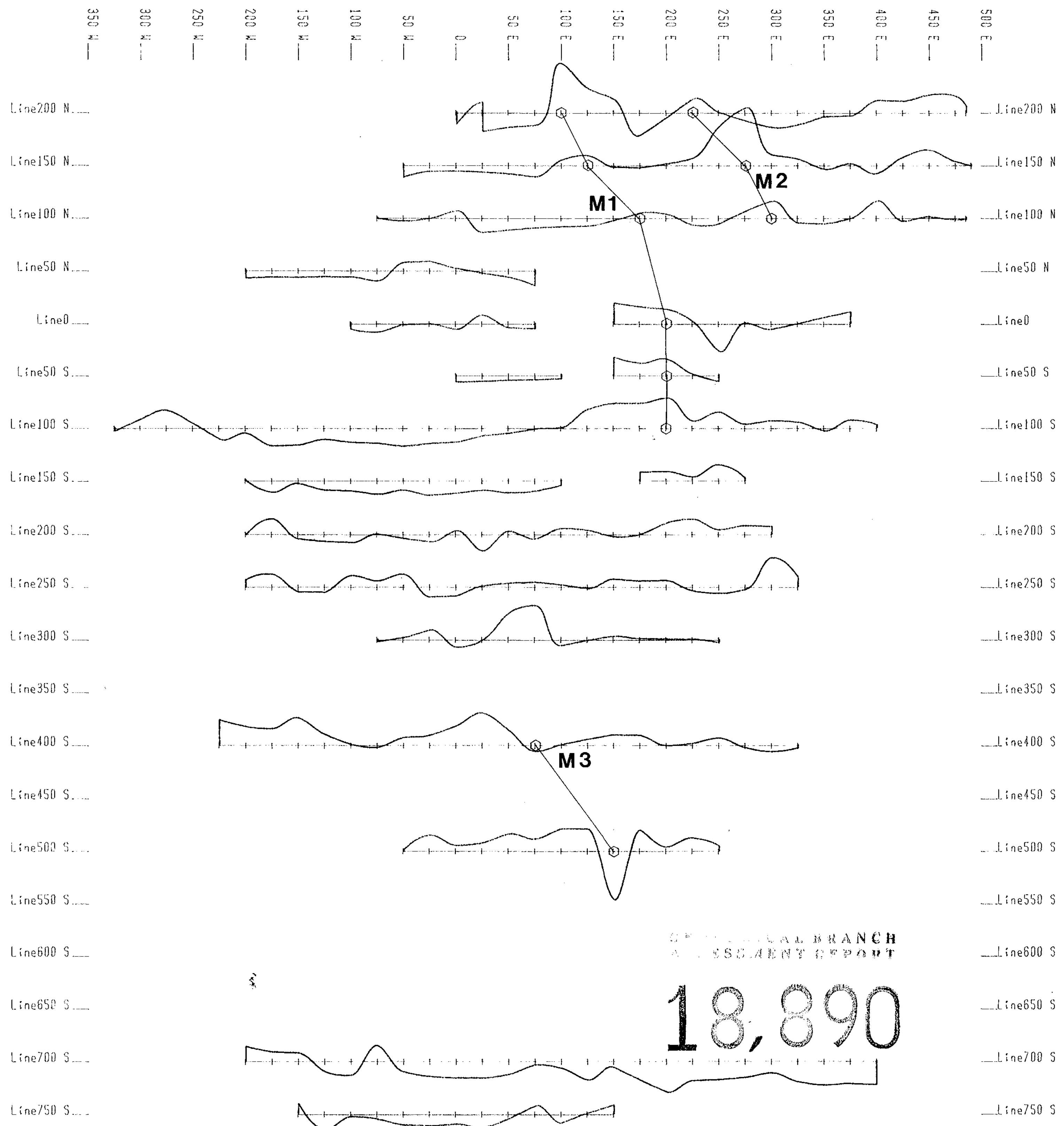
NEW ROAD CUT GEOLOGY

WARN BAY PROPERTY

DATE: JULY 7, 1989

GEOLOGY BY: B. DYNES

DRAWN BY: R. HERZIG

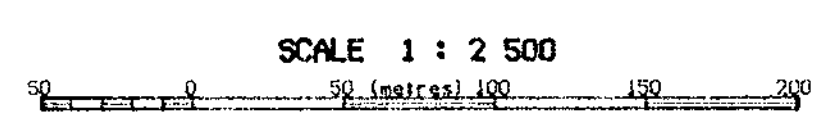
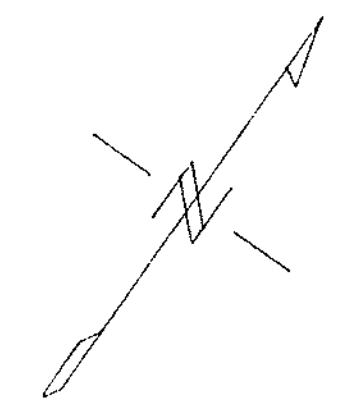


GEOLOGICAL BRANCH  
ASSESSMENT REPORT

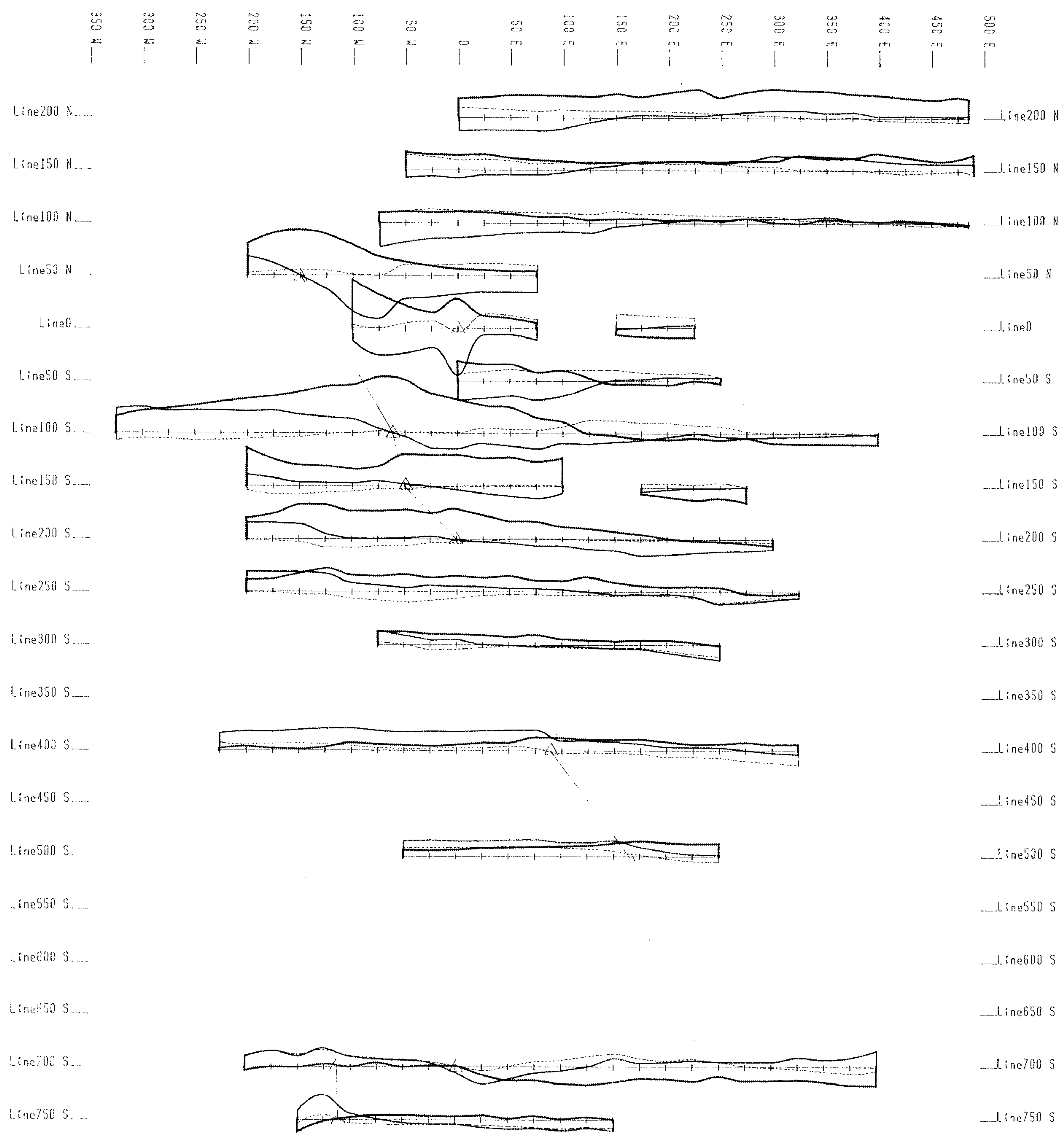
**18,890**

**LEGEND**

— Total Field Magnetic Profile  
 1 cm. = 1000 gammas  
 Profile Base Value = 56000 gammas



<p><b>WARN BAY ASSESSMENT</b></p> <p>Total Field Magnetic Profiles          Maple Grid          Alberni Mining Division, B.C.          NTS 92 F/4 &amp; 5</p> <p>Interpretex Resources Ltd.          Report by T.R. Malch          Surveyed by Stetson Res. Mgmt. Corp.          June 1989</p> <p>Figure # 1</p>
--



**LEGEND**

f Anomalous Inflection (In-Phase)

— In-Phase } 1 cm. = 20 %

- - - Quadrature

..... Field Strength 1 cm. = 50 units

SCALE 1 : 2 500

0 50 100 150 200

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

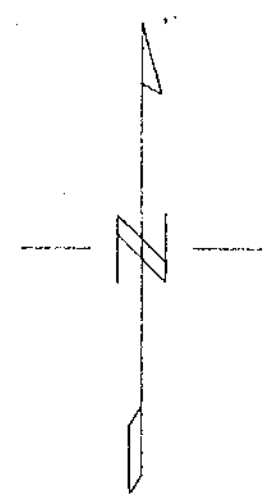
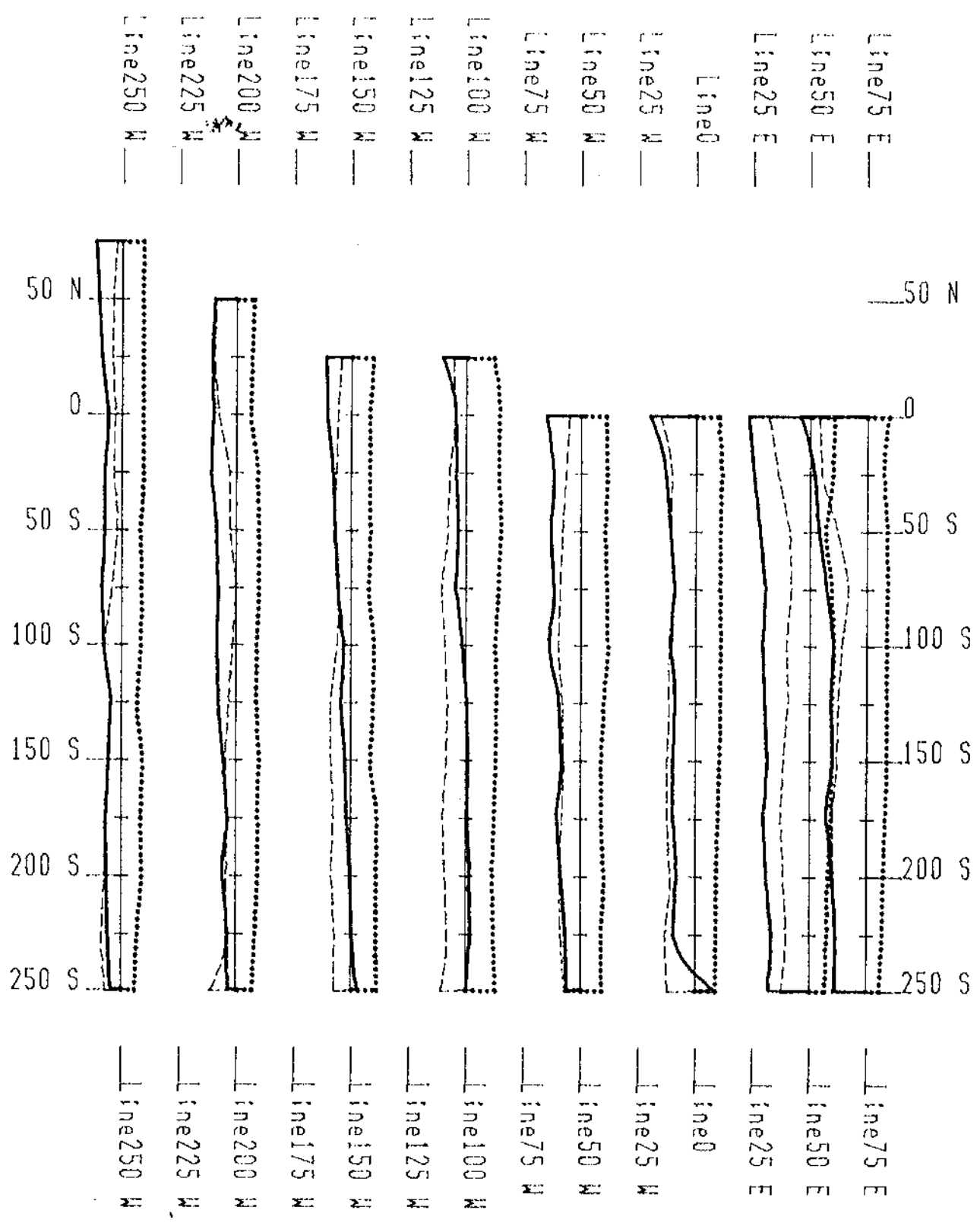
**18,890**

WARN BAY ASSESSMENT

VLF-EM Profiles  
NLK, Seattle, Wash.  
Maple Grid  
Alberni Mining Division, B.C.  
NTS 92 F/4 & 5




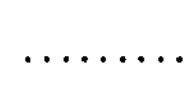
Interpretex Resources Ltd.  
Report by I.R. Matich  
Surveyed by Stetson Res. Mgmt. Corp.  
June 1989

Figure # 2



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

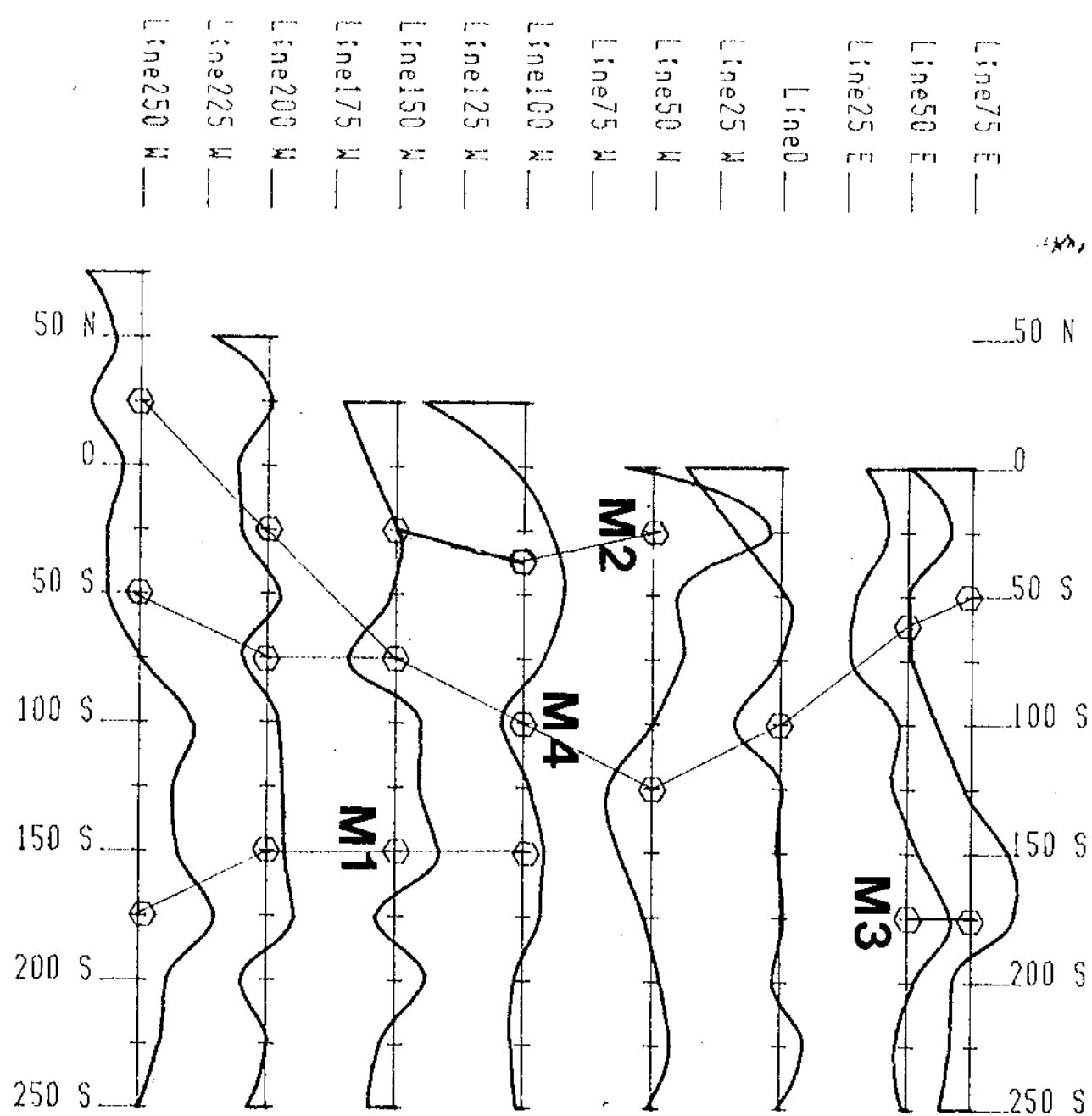
18,890 LEGEND

-  Anomalous Inflection (In-Phase)
  -  In-Phase
  -  Quadrature
  -  Field Strength
- ) 1 cm. = 20 %
- 1 cm. = 50 units

SCALE 1 : 2 500



<b>WARN BAY ASSESSMENT</b>
VLF-EM Profiles NLK, Seattle, Wash. Free Gold Grid Alberni Mining Division, B.C. NTS 92 F/4 & 5
Interpretex Resources Ltd. Report by T.R. Matich Surveyed by Stetson Res. Mgmt. Corp. June 1989
Figure # 3



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

**18,890**

**LEGEND**

— Total Field Magnetic Profile  
1 cm. = 1000 gammas  
Profile Base Value = 56000 gammas

SCALE 1 : 2 500

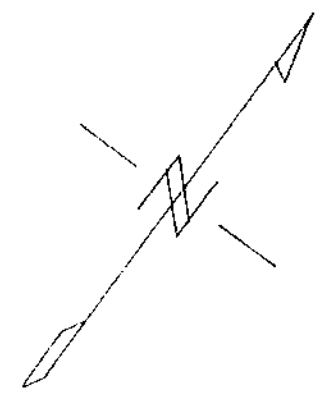
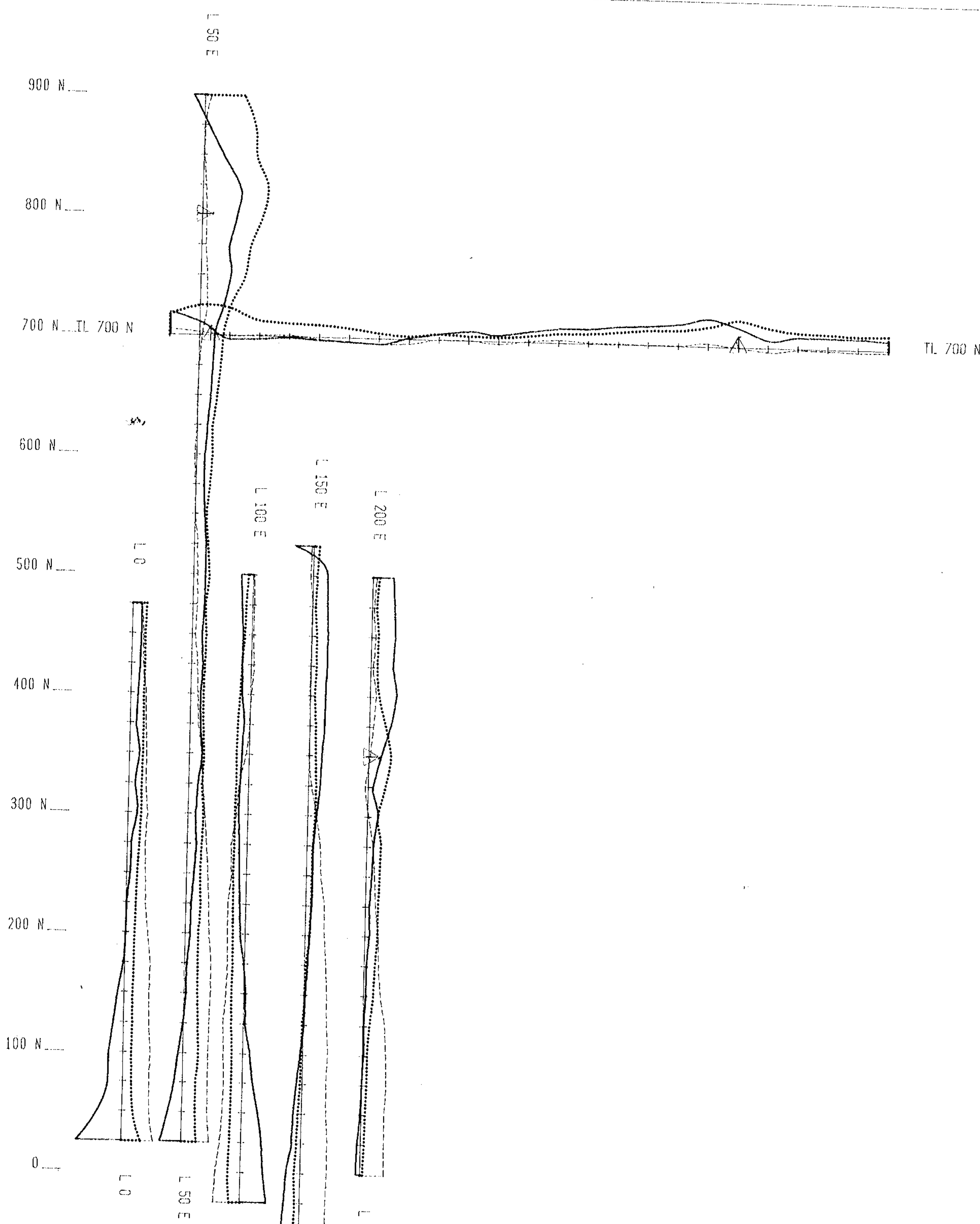


**WARN BAY ASSESSMENT**

Total Field Magnetic Contours  
Free Gold Grid  
Alberni Mining Division, B.C.  
NTS 92 F/4 & 5

Interpretex Resources Ltd.  
Report by T.R. Matich  
Surveyed by Stetson Res. Mgmt. Corp.  
June 1989

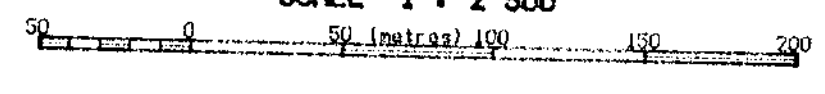
Figure # 4



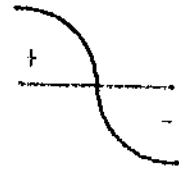
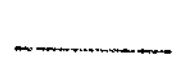


GEOLOGICAL BRANCH  
ASSESSMENT REPORT

**18,890**

SCALE 1 : 2 500



**LEGEND**

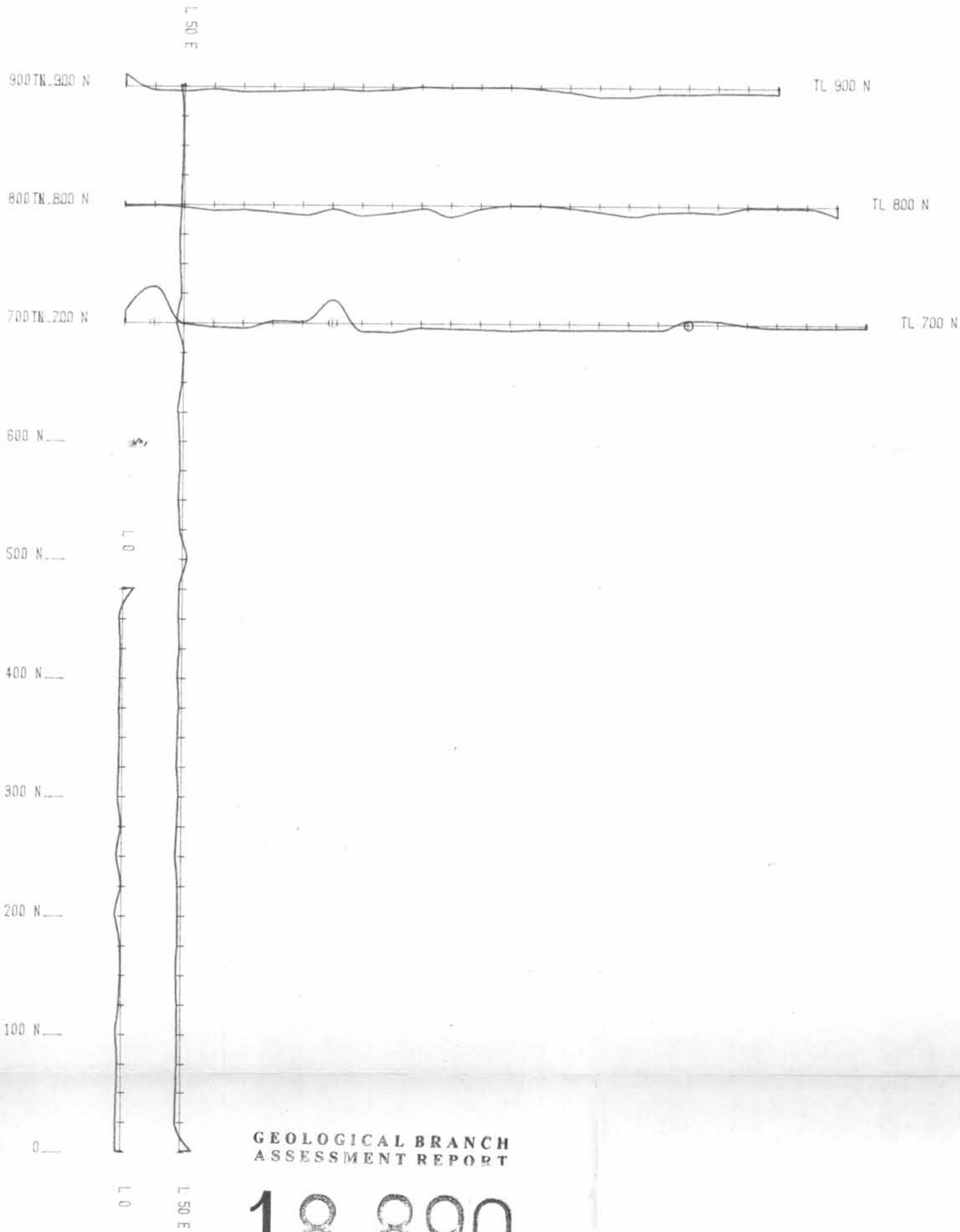
-  Anomalous Inflection (In-Phase)
  -  In-Phase
  -  Quadrature
  -  Field Strength
- ) 1 cm. = 20 %
- 1 cm. = 50 units

**WARN BAY ASSESSMENT**

VLF-EM Profiles  
NLK, Seattle, Wash.  
Guppy Grid  
Alberni Mining Division, B.C.  
NTS 92 F/4 & 5

Interpretex Resources Ltd.  
Report by T.R. Matich  
Surveyed by Stetson Res. Mgmt. Corp.  
June 1989

Figure # 5



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

**18,890**

LEGEND

— Total Field Magnetic Profile

1 cm. = 1000 gannas

Profile Base Value = 56000 gannas

SCALE 1 : 2 500



WARN BAY ASSESSMENT

Total Field Magnetic Contours  
Guppy Grid  
Alberni Mining Division, B.C.  
NTS 92 F/4 & 5

Interpretex Resources Ltd.  
Report by T.R. Matich  
Surveyed by Stetson Res. Mgmt. Corp.  
June 1989

Figure # 6