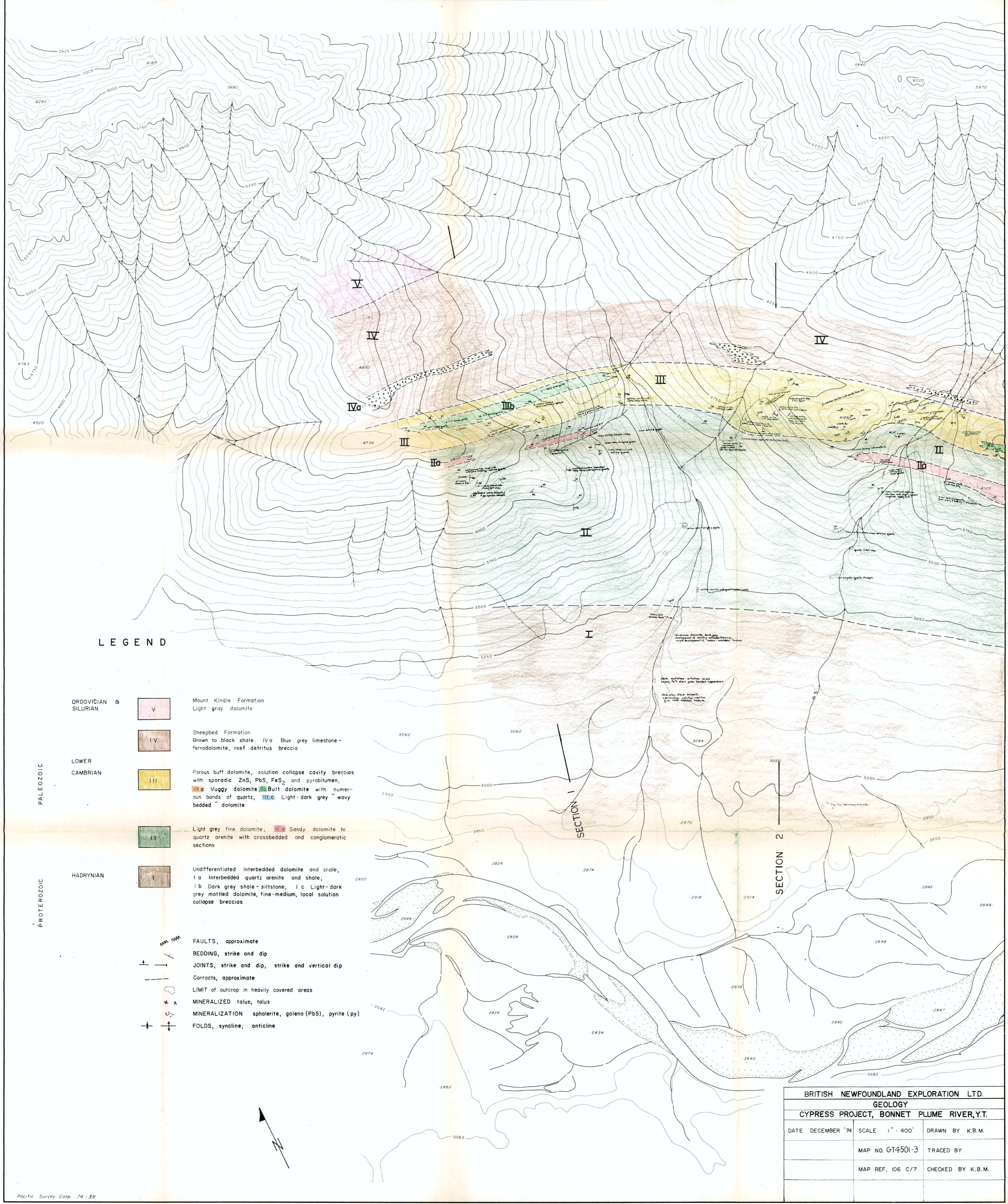


LEGEND

- |             |                       |  |  |
|-------------|-----------------------|--|--|
| PALEOZOIC   | ORDOVICIAN & SILURIAN |  | Mount Kindle Formation<br>Light gray dolomite  |
|             |                       |  | Sheepbed Formation<br>Brown to black shale, IV a Blue grey limestone-ferrodolomite, reef detritus breccia  |
|             | LOWER CAMBRIAN        |  | Porous buff dolomite, solution collapse cavity breccias with sporadic ZnS, PbS, FeS <sub>2</sub> and pyritumen,<br><b>IIIa</b> Vuggy dolomite, <b>IIIb</b> Buff dolomite with numerous bands of quartz, <b>IIIc</b> Light-dark grey "wavy bedded" dolomite |
| PROTEROZOIC |                       |  | Light grey fine dolomite, <b>IIa</b> Sandy dolomite to quartz arenite with crossbedded and conglomeratic sections  |
|             | HADRYNIAN             |  | Undifferentiated interbedded dolomite and shale,<br>I a Interbedded quartz arenite and shale,<br>I b Dark grey shale-siltstone, I c Light-dark grey mottled dolomite, fine-medium, local solution collapse breccias  |
- 
- |  |  |
|--|--|
|  | FAULTS, approximate                                  |
|  | BEDDING, strike and dip                              |
|  | JOINTS, strike and dip, strike and vertical dip      |
|  | Contacts, approximate                                |
|  | LIMIT of outcrop in heavily covered areas            |
|  | MINERALIZED talus; talus                             |
|  | MINERALIZATION sphalerite, galena (PbS), pyrite (py) |
|  | FOLDS, syncline; anticline                           |

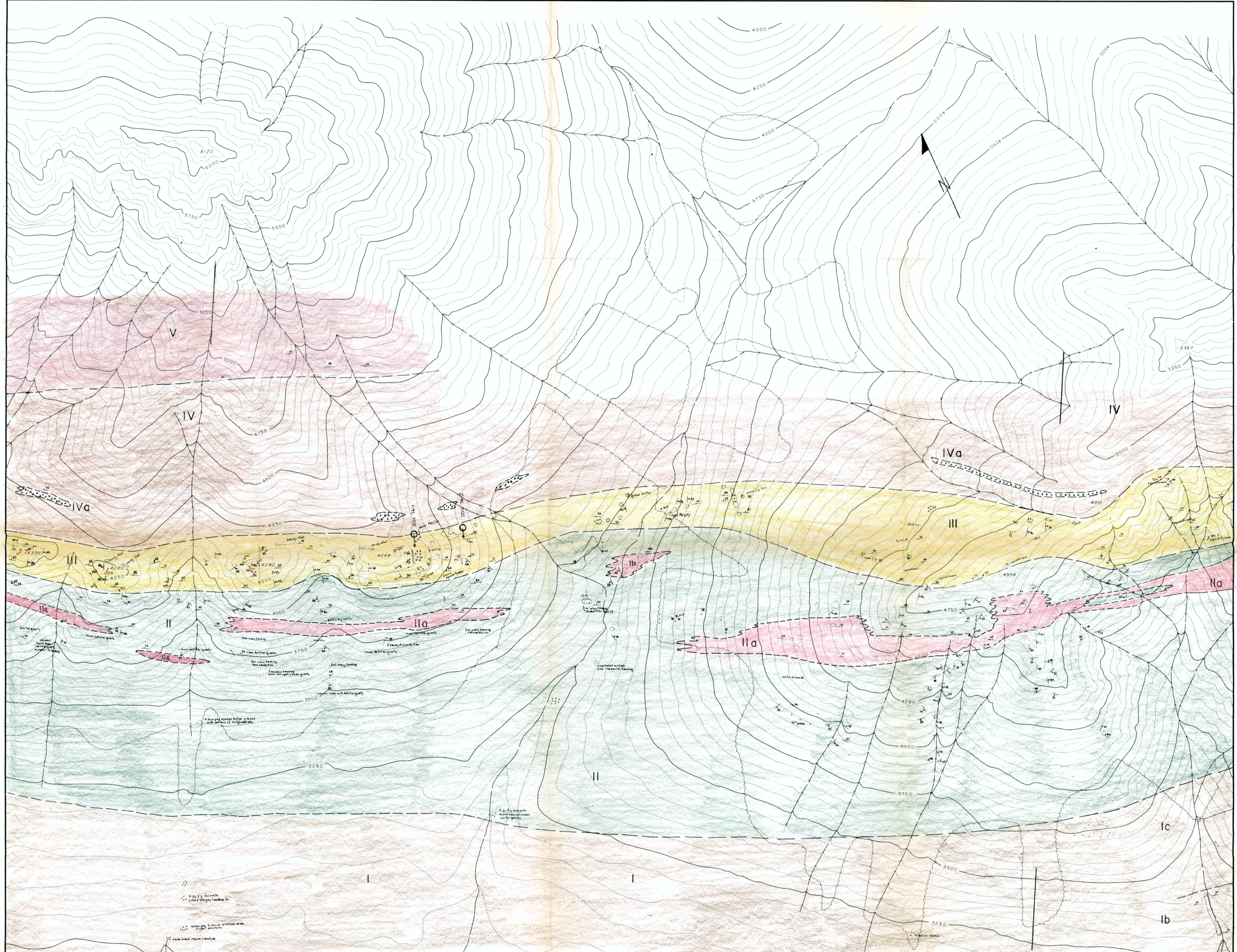
BRITISH NEWFOUNDLAND EXPLORATION LTD.		
GEOLOGY		
CYPRESS PROJECT, BONNET PLUME RIVER, Y.T.		
DATE	DECEMBER '74	SCALE 1" : 400'
		DRAWN BY K.B.M.
	MAP NO. G14501-3	TRACED BY
	MAP REF. 106 C/7	CHECKED BY K.B.M.



LEGEND

- PALEOZOIC**
- ORDOVICIAN & SILURIAN**
    - V Mount Kindle Formation  
Light gray dolomite
    - IV Sheepbed Formation  
Brown to black shale. IVa Blue grey limestone-ferrodolomite, reef detritus breccia
  - LOWER CAMBRIAN**
    - III Porous buff dolomite, solution collapse cavity breccias with sporadic ZnS, PbS, FeS<sub>2</sub> and pyrobitumen, IIIa Vuggy dolomite, IIIb Buff dolomite with numerous bands of quartz, IIIc Light-dark grey "wavy bedded" dolomite
    - II Light grey fine dolomite, IIa Sandy dolomite to quartz arenite with crossbedded and conglomeratic sections
  - HADRYNIAN**
    - I Undifferentiated interbedded dolomite and shale, Ia Interbedded quartz arenite and shale, Ib Dark grey shale-siltstone, Ic Light-dark grey mottled dolomite, fine-medium, local solution collapse breccias
- PROTEOZOIC**
- FAULTS, approximate
  - BEDDING, strike and dip
  - JOINTS, strike and dip, strike and vertical dip
  - CONTACTS, approximate
  - LIMIT of outcrop in heavily covered areas
  - x x MINERALIZED talus; talus
  - MINERALIZATION sphalerite, galena (PbS), pyrite (py)
  - FOLDS, syncline, anticline

BRITISH NEWFOUNDLAND EXPLORATION LTD.		
GEOLOGY		
CYPRESS PROJECT, BONNET PLUME RIVER, Y.T.		
DATE DECEMBER '74	SCALE 1" = 400'	DRAWN BY K.B.M.
	MAP NO. G74501-3	TRACED BY
	MAP REF. 106 C/7	CHECKED BY K.B.M.



LEGEND

- ORDOVICIAN & SILURIAN**
- V Mount Kindle Formation  
Light gray dolomite
  - IV Sheepbed Formation  
Brown to black shale; IVa Blue grey limestone-ferrodolomite, reef detritus breccia
- LOWER CAMBRIAN**
- III Porous buff dolomite, solution collapse cavity breccias with sporadic ZnS, PbS, FeS<sub>2</sub> and pyrobitumen; IIIa Vuggy dolomite; IIIb Buff dolomite with numerous bands of quartz; IIIc Light-dark grey "wavy bedded" dolomite
  - II Light grey fine dolomite; IIa Sandy dolomite to quartz arenite with crossbedded and conglomeratic sections
- HADRYNIAN**
- I Undifferentiated interbedded dolomite and shale; Ia Interbedded quartz arenite and shale; Ib Dark grey shale-siltstone; Ic Light-dark grey mottled dolomite, fine-medium, local solution collapse breccias

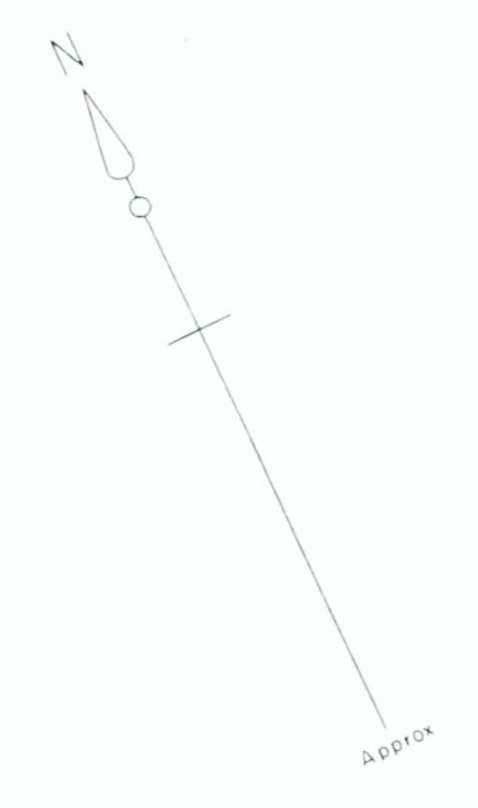
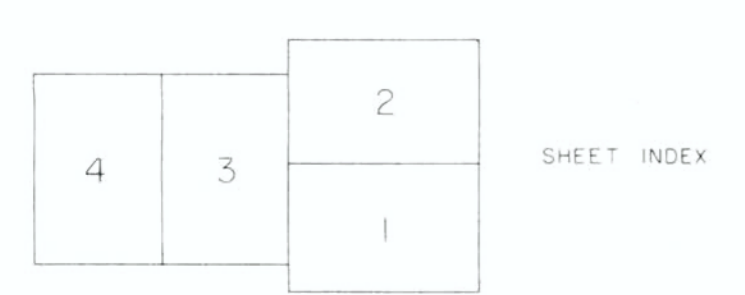
- FAULTS, approximate
- BEDDING, strike and dip
- JOINTS, strike and dip, strike and vertical dip
- CONTACTS, approximate
- LIMIT of outcrop in heavily covered areas
- X X MINERALIZED talus; talus
- ∴ MINERALIZATION sphalerite, galena (PbS), pyrite (py)
- ± ± FOLDS, syncline; anticline

BRITISH NEWFOUNDLAND EXPLORATION LTD.		
GEOLOGY		
CYPRESS PROJECT, BONNET PLUME RIVER, Y.T.		
DATE DECEMBER '74	SCALE 1" = 400'	DRAWN BY K.B.M.
	MAP NO. G14-501-4	TRACED BY
	MAP REF. 106 C/7	CHECKED BY K.B.M.



LEGEND

- ORDOVICIAN &  
SILURIAN
- V Mount Kindle Formation: Light gray dolomite
  - IV Sheepbed Formation: Brown to black shale; IVa Blue grey limestone-ferrodolomite, reef detritus breccia
- PALEOZOIC  
LOWER  
CAMBRIAN
- III Porous buff dolomite, solution collapse cavity breccias with sporadic ZnS, PbS, FeS<sub>2</sub> and pyrobitumen; IIIa Vuggy dolomite; IIIb Buff dolomite with numerous bands of quartz; IIIc Light - dark grey "wavy bedded" dolomite
  - II Light grey fine dolomite; IIa Sandy dolomite to quartz arenite with crossbedded and conglomeratic sections
- PROTEROZOIC  
HADRYNIAN
- I Undifferentiated interbedded dolomite and shale; Ia Interbedded quartz arenite and shale; Ib Dark grey shale-siltstone; Ic Light-dark grey mottled dolomite, fine-medium, local solution collapse breccias
- Faults  
Bedding, strike and dip  
Joints, strike and dip, strike and vertical dip  
Contacts, approximate  
Limit of outcrop in heavily covered areas  
X X Mineralized talus, talus  
Mineralization, sphalerite, galena (PbS), pyrite (py)  
Folds, syncline, anticline



BRITISH NEWFOUNDLAND EXPLORATION LTD.		
GEOLOGY		
CYPRESS PROJECT, BONNET PLUME RIVER, Y.T.		
DATE: DECEMBER 1974	SCALE: 1" : 400'	DRAWN BY KBM:JH
	MAP NO. G74501-5	TRACED BY D.M.
	MAP REF. 106 C/7	CHECKED BY K.B.M.



BRITISH NEWFOUNDLAND EXPLORATION, LTD.		
TOPOGRAPHIC REFERENCE MAP		
CYPRESS PROJECT, BONNET PLUME RIVER, Y.T.		
DATE : FEB 1975	SCALE : 1" : 1000'	DRAWN BY D.M.
	MAP G74501-33	TRACED BY D.M.
	MAP REF. 106 C/7	CHECKED BY K.B.M.



PLAN, SHOWING PRELIMINARY CLAIM SURVEY FOR

**CYPRESS RESOURCES LTD.  
BRITISH NEWFOUNDLAND EXPLORATION LTD.**

**BONNET PLUME PROJECT**

64°30' LATITUDE; 132°55' LONGITUDE (APPROX.)  
MAP SHEET 106C-7  
YUKON TERRITORY  
JUNE, JULY, 1974

SCALE 1" = 1000'

MAP G74501-34  
LEGEND:

- Indicates claim posts found and station number.
  - ◊ Indicates diamond drill holes.
  - Indicates approximate position of claim posts not found or destroyed and station number.
- Refer to control plan and coordinate list submission for station coordinates and elevations.  
Solid lines indicate boundaries of claims surveyed, dotted lines indicate claim boundaries within prior claims.

0123-96460  
TN27.48  
C4  
C9

BRITISH NEWFOUNDLAND EXPLORATION LIMITED

GEOLOGICAL AND GEOCHEMICAL REPORT

CYPRESS RESOURCES LTD. PROPERTY

MAYO MINING DISTRICT

64° 15'                      133°                      NE

By: K.B. McHale, F.G.A.C.

Field Period June 5 to September 10, 1974

Report Period September 10 to December 31, 1974

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- Fig. 19-20       Geochemistry (1":400') Back Pocket.
- Fig. 21-22       Cumulative Percent Frequency Distribution Graphs:  
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                  Fig. 22 - Soil Geochemistry Vega Grid After page 13.
- Fig. 23-24       Soil Geochemistry BRF Extension (1":400') Back Pocket.
- Fig. 25           Cumulative Percent Frequency Distribution Graphs After page 14.
- Fig. 26-32       Diamond Drillholes 74-1 to 74-7: Geological Sections  
                  (1":100') Appendix III.
- Fig. 33           Topographic Reference Map 1":1,000' Front Pocket
- Fig. 34           Claim Map 1":1,000' Back Pocket

INTRODUCTION

The Cypress Resources Limited claims are located in the Bonnet Plume Range of the Wernecke Mountains, approximately 110 miles northeast of Mayo on the north side of the Bonnet Plume River in the Yukon Territory (see Fig. 1). Coordinates of the property are 64° 25' North and 132° 55' West.

Elevations range from 2,800 to 6,500 feet, and local relief is rugged. Tree line is approximately 4,500 feet.

The property is accessible by helicopter and fixed wing aircraft from Mayo. Both Porter Puddle (5 miles southeast of the property) and Rackla Lake (12 miles southwest) are suitable for fixed wing aircraft. However, Porter Puddle is too short to allow take offs with a full load.

Geological and geochemical surveys, and diamond drilling were conducted on the claims during 1974. The field crews were employees of Cypress and the supervisor was employed by Brinex. The drill crew were employees of Arctic Diamond Drilling Limited.

The principals included in the programme were:

Dr. Neil Westoll, Manager - Western Exploration,  
British Newfoundland Exploration Limited,  
704 - 602 West Hastings Street, Vancouver, B.C. V6B 1P2

Mr. Barry McHale, Project Geologist,  
British Newfoundland Exploration Limited,  
704 - 602 West Hastings Street, Vancouver, B.C. V6B 1P2

Mrs. Diann McHale, Geologist,  
British Newfoundland Exploration Limited,  
704 - 602 West Hastings Street, Vancouver, B.C. V6B 1P2

Mr. John Hunter, Geologist,  
Department of Geology, University of Leicester,  
Leicester, England.

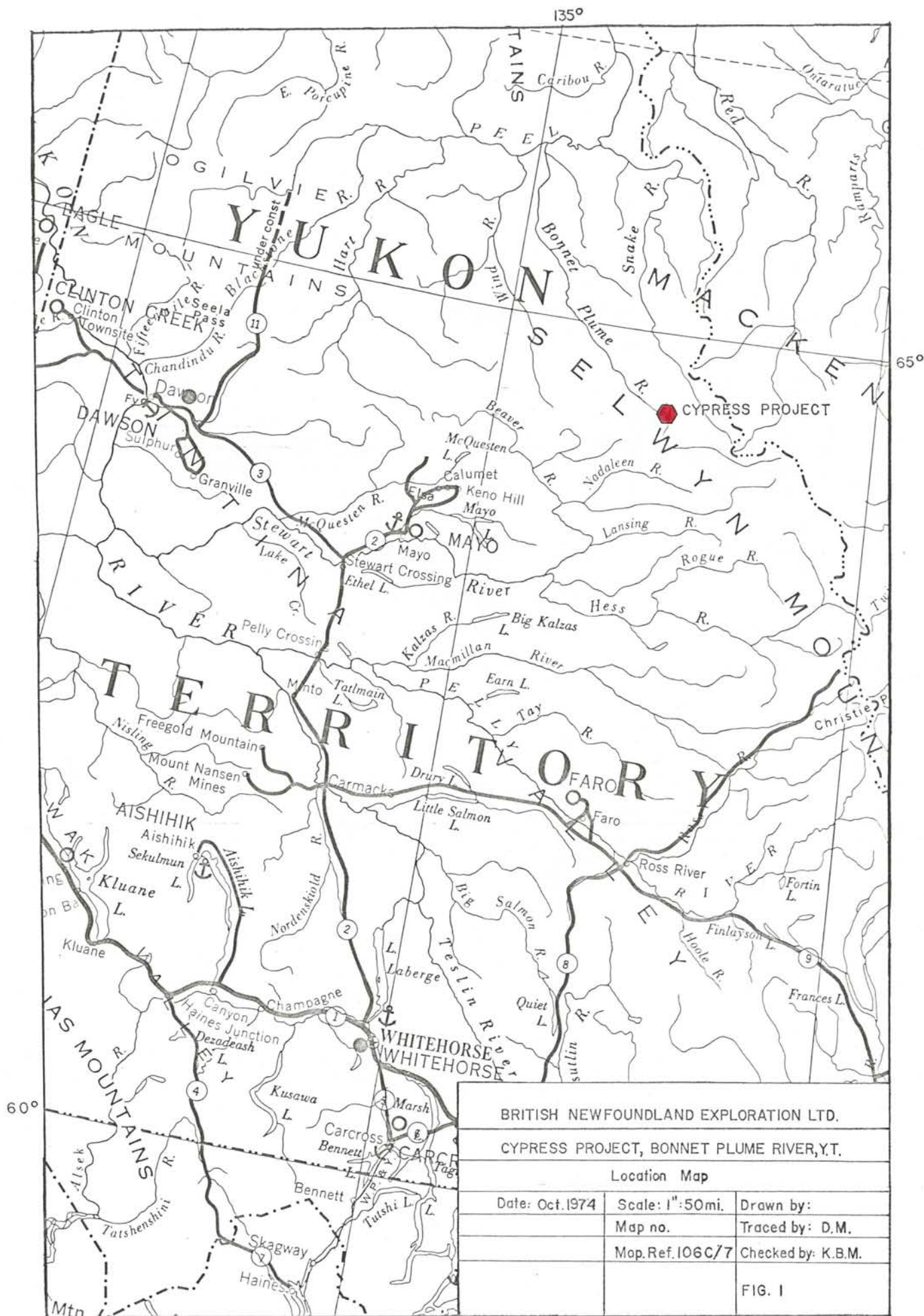
Dr. P.H. Grimley, Vice President - Exploration,  
British Newfoundland Exploration Limited,  
One Westmount Square, Montreal, Quebec. H3Z 2S2

Contributions made by the individual are acknowledged throughout the text.

Respectfully submitted,

K. Barry McHale  
K. B. McHale, F.G.A.C.

Vancouver, B.C.  
October , 1974



BRITISH NEWFOUNDLAND EXPLORATION LTD.		
CYPRESS PROJECT, BONNET PLUME RIVER, Y.T.		
Location Map		
Date: Oct. 1974	Scale: 1" = 50mi.	Drawn by:
	Map no.	Traced by: D.M.
	Mop. Ref. 106C/7	Checked by: K.B.M.
		FIG. 1

SUMMARY

Work done during the field season of 1974 on the Bonnet Plume claim group, located 110 miles northeast of Mayo, Yukon Territory, consisted of geological mapping, diamond drilling, geochemical and geophysical surveys.

Field work during the 1974 season has shown that the upper dolomite unit contains only sporadic, discontinuous mineralized zones that are restricted in size. The zone was tested with seven drillholes and no intersections of sufficient thickness and grade to be economic at this time were encountered. It is recommended that no further work be done on this part of the property in 1975.

Geological mapping and soil sampling on ground that is approximately 2,500 feet stratigraphically lower than the upper dolomite unit has shown that a favourable host rock with associated Pb-Zn soil geochemical anomalies occur in this part of the section. This part of the section is the westward extension of the mineralized unit that outcrops on the Barrier Reef/Great Plains Harrison Creek ground. The field programme for 1975 will consist of detailed mapping, soil sampling and trenching of this zone.

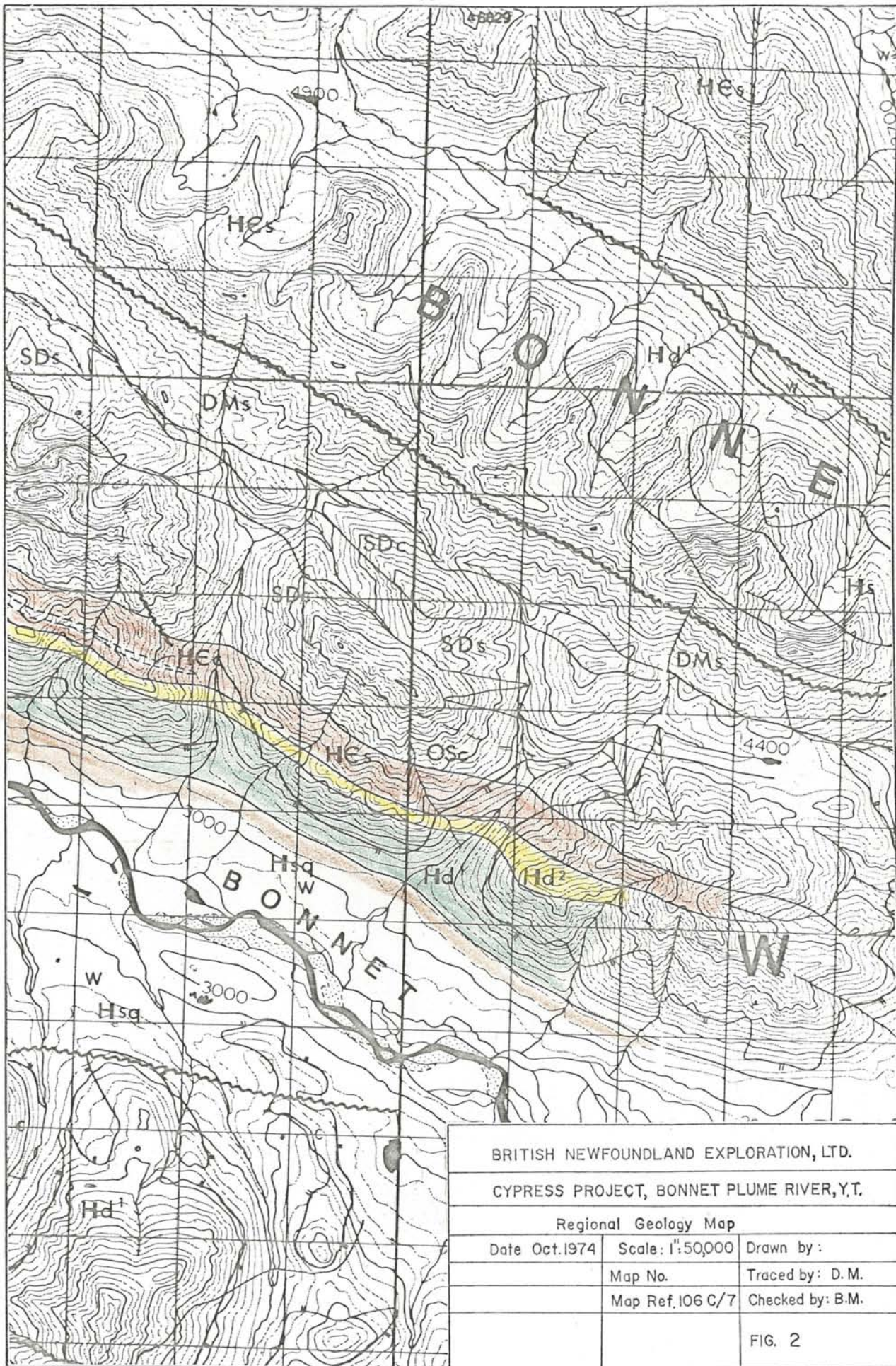
GEOLOGY

A. Regional

The area has been mapped by Dr. S. Blusson of the Geological Survey of Canada. Open File maps were issued in June, 1974. The maps that

64°30' 133°00'

55'



BRITISH NEWFOUNDLAND EXPLORATION, LTD.

CYPRESS PROJECT, BONNET PLUME RIVER, Y.T.

Regional Geology Map

Date Oct. 1974	Scale: 1":50,000	Drawn by :
	Map No.	Traced by: D.M.
	Map Ref. 106 C/7	Checked by: B.M.

FIG. 2

LEGEND

(To Accompany Goz Creek 106<sup>c</sup>/7 Geology Map)

Paleozoic

DEVONIAN & MISSISSIPPIAN

Besa River Formation: black shale and siltstone, commonly pyritic.

SILURIAN & DEVONIAN

Light grey, well bedded dolomite, minor limestone near top; ODC undivided OSC and SDC.

ORDOVICIAN & SILURIAN

Mount Kindle Formation: light and minor dark grey regularly bedded dolomite; OSC<sup>1</sup>, light grey dolomite; OSC<sup>2</sup>, dark grey dolomite; OSC black shale.

LOWER CAMBRIAN

Sekwi Formation: brown and orange weathering thin-bedded dolomite, grey and buff mottled limestone, brown shale and sandstone.

Backbone Ranges Formation: EG, varicoloured quartzite, siltstone and shale, minor silty and sandy dolomite, Ecq buff to orange weathering and mauve dolomite, in part silty and sandy, minor quartzite and shale Ec<sup>1</sup> pale buff grey weathering poorly bedded in part pisolitic dolomite, minor quartzite. Ec<sup>2</sup> buff yellow weathering, in part porous fine-grained dolomite. May be Hadrynian in part.

HADRYNIAN

Sheepbed Formation: brown and black recessive slate, siltstone minor quartzite, conglomerate and light grey carbonate.

1. Grey weathering, medium to thick bedded fine-grained dolomite; basal dark brown conglomerate Hcgl.
2. Light grey buff weathering, porous fine-grained dolomite.

Proterozoic

Hsq, brown shale, siltstone and conglomerate, minor orange weathering platy dolomite.

pertain to the area are Nadaleen River (106C, scale 1:250,000) and Goz Creek (106 c/7, scale 1:50,000) (see Fig. 2).

The area is underlain by a thick sedimentary sequence ranging in age from Hadrynian to Mississippian. The sediments strike northwesterly and dip steeply to the Northeast.

B. Property (See Figs. 3, 4, 5, 33)

The Hadrynian to Mississippian rocks on the property strike N 70° W and dip 40° to 70° northeasterly. Field work was confined to the Hadrynian-Lower Cambrian portion of the sequence, which has a thickness of at least 4,500 feet and can be divided into four distinct units (see Figs. 6 - 13), that overlie each other conformably.

Unit One - Middle Hadrynian

This unit, lowermost in the section, is poorly exposed, with the majority of the outcrops confined to the creeks on the property. The estimated thickness is at least 3,200 feet. There is not enough exposure to enable a complete general stratigraphic section to be drawn for the unit. Based on limited information it appears that there are facies changes between the western and eastern parts of the property as the unit becomes more shaly to the west.

1. Western Part of Property

In Wolverine Creek the section consists of interbedded dolomite

and siltstone-shale. The dolomites are dark grey, fine-medium crystalline and within the dolomite there are zones of what appear to be "solution collapse breccias" and "zebra" texture developed. The siltstone-shales are thin bedded, and dark brown in colour.

2. Eastern Part of Property

Here, the unit is better exposed and appears to be divisible into a lower and upper section:

i Lower Section

This portion consists primarily of thin bedded siltstone and shale with minor interbeds of quartz arenite and impure dark grey black limestone.

ii Upper Section

This part of the unit is primarily a dark grey fine-medium crystalline dolomite that is in places oolitic to pisolitic. A dolomite breccia of probable "solution collapse" origin is exposed in one creek gully east of Grayling Creek. The breccia zone may be up to 100 feet in thickness. Based on float occurrences the section also contains blue grey shaly dolomite, dolomitic shale, impure limestone and limestone breccia. This section appears to become shaly to the west.

Unit Two - Upper Hadrynian

This unit is moderately well exposed on the property and its thickness varies from 1,800 to 2,400 feet. The unit thins both to the east and

west on the property. It is predominantly a light grey aphanitic to fine crystalline medium to thick bedded dolomite. In places, there are moderate amounts of frosted detrital quartz grains and traces of disseminated pyrite. Locally the unit has minute lenticular vugs that are sub parallel to bedding and were probably formed by some dissolution process. Within the unit, there are some fairly consistent, but discontinuous, lensoidal subunits. The major subunit is a sandy dolomite to dolomitic quartz arenite that varies in thickness from 100 to 400 feet and occurs 100 to 600 feet below the top of the unit. It exhibits strong crossbedding and graded bedding, and east of Grayling Creek, becomes conglomeratic. Locally there is oolitic to pisolitic dolomite above and below the sandy dolomite, which is also oolitic in places. West of Grizzly Creek a few narrow sandy dolomite clastic dikes were noted at the same stratigraphic position.

Unit Three - Upper Hadrynian - ? Lower Cambrian

This unit is well exposed and has, over most of the property, an average thickness of 450 to 500 feet. West of Barite Hill, however, the unit thins rapidly and on Ptarmigan Ridge is 250 feet thick.

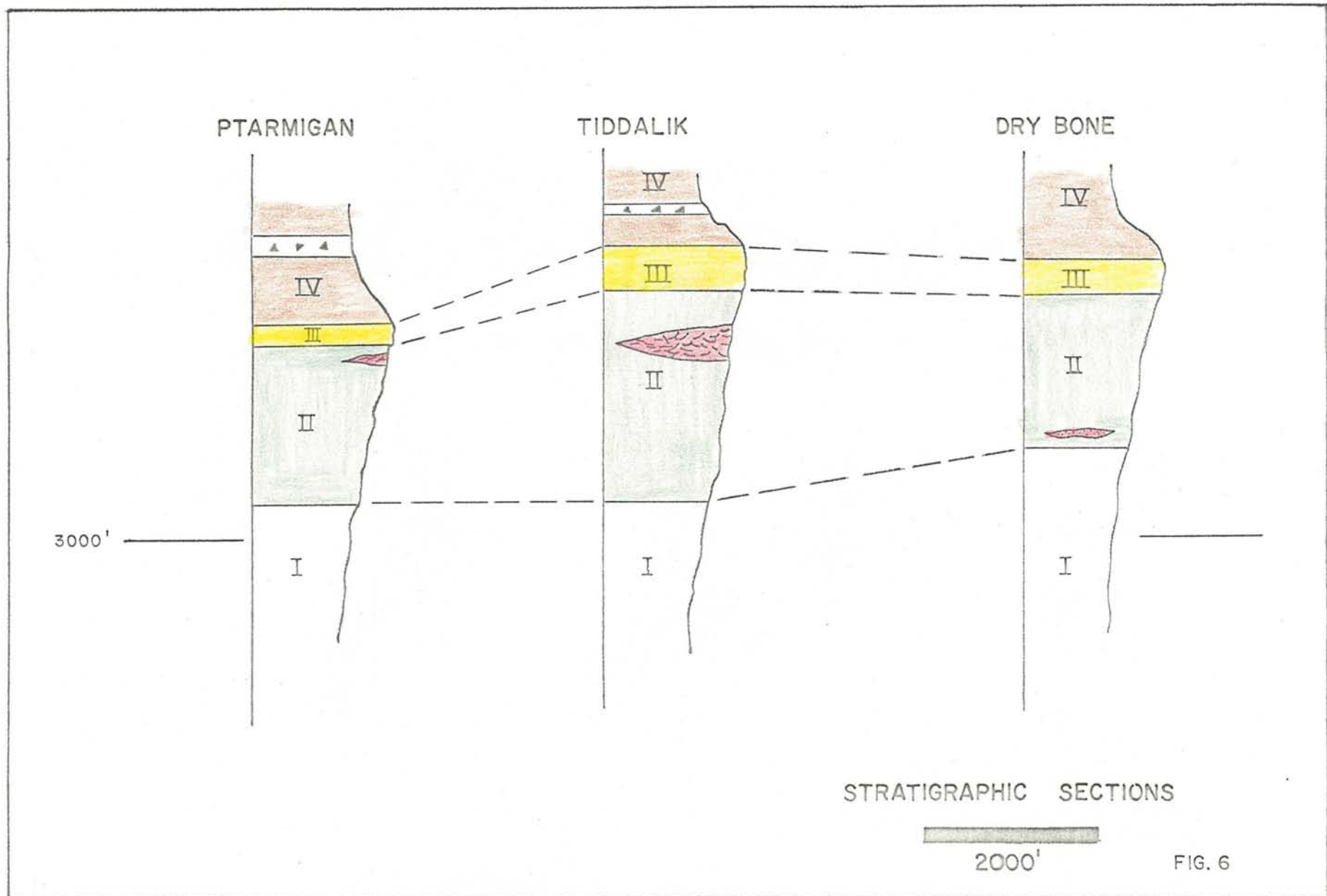
In the area west of Grayling Creek, the unit consists primarily of a porous, buff, fine to medium crystalline dolomite with both lateral and vertical facies variations. There are local areas of probable "solution collapse" cavity breccia and vug development but these are minor and restricted in size. In general the breccias are cemented and the vugs filled with quartz and minor dolomite and sulphides.

But on Barite Hill, and to the west, the vugs are filled predominantly with coarse white crystalline barite. On Ptarmigan Ridge the unit can be subdivided into several sub units of which a zone, in the upper part, with 1-5 feet thick bands of quartz is the most distinctive. East of Ptarmigan Ridge, in the middle to upper part of the unit, there are, locally, zones with quartz bands parallel to bedding, but these are not continuous and cannot be used as a marker horizon.

East of Grayling Creek, the unit is a repetitive sequence of porous buff dolomite and dark "wavybedded" dolomite. The wavy bedded dolomite comprise most of the section and is thought to be a product of a "sab kha" environment. The wavy bedded texture results from alternating broken bands of light and dark dolomite. In the unit there are good examples of solution channel in-filling with dark sandy material which shows that a dissolution process was at work. As in the eastern part, the major cement in the breccias is quartz with minor sulphides.

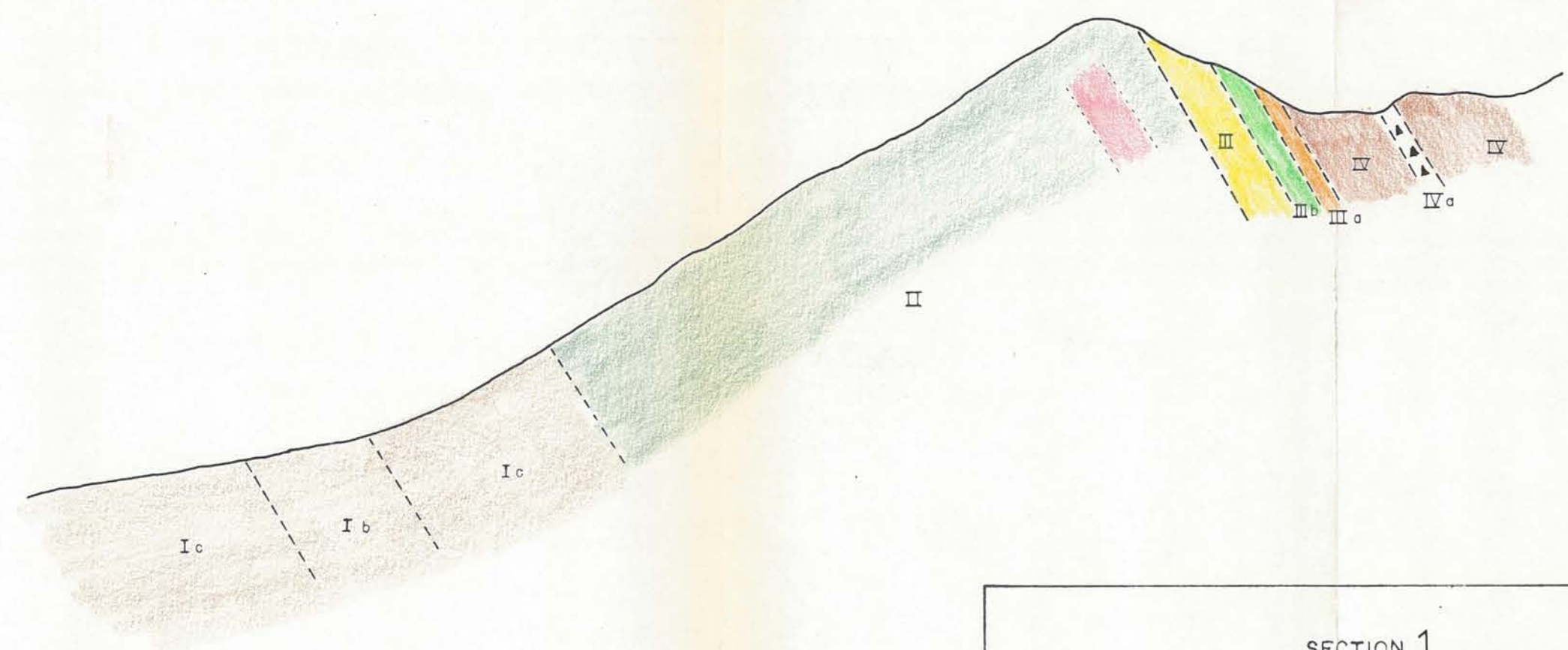
#### Unit Four - Lower Cambrian

Unit Three is up to 1,600 feet thick and consists of strongly cleaved thinbedded brown to black shale. The lower contact is gradational to Unit Three with dark impure dolomite that contains intraformational breccias and moderate to abundant pyrite. Within this unit and near the base there is a blue grey fossiliferous (archaeocyathids, trilobites) limestone to ferro dolomite reefal detritus breccia that varies from 40 to 100 feet in thickness.



200° — 020°

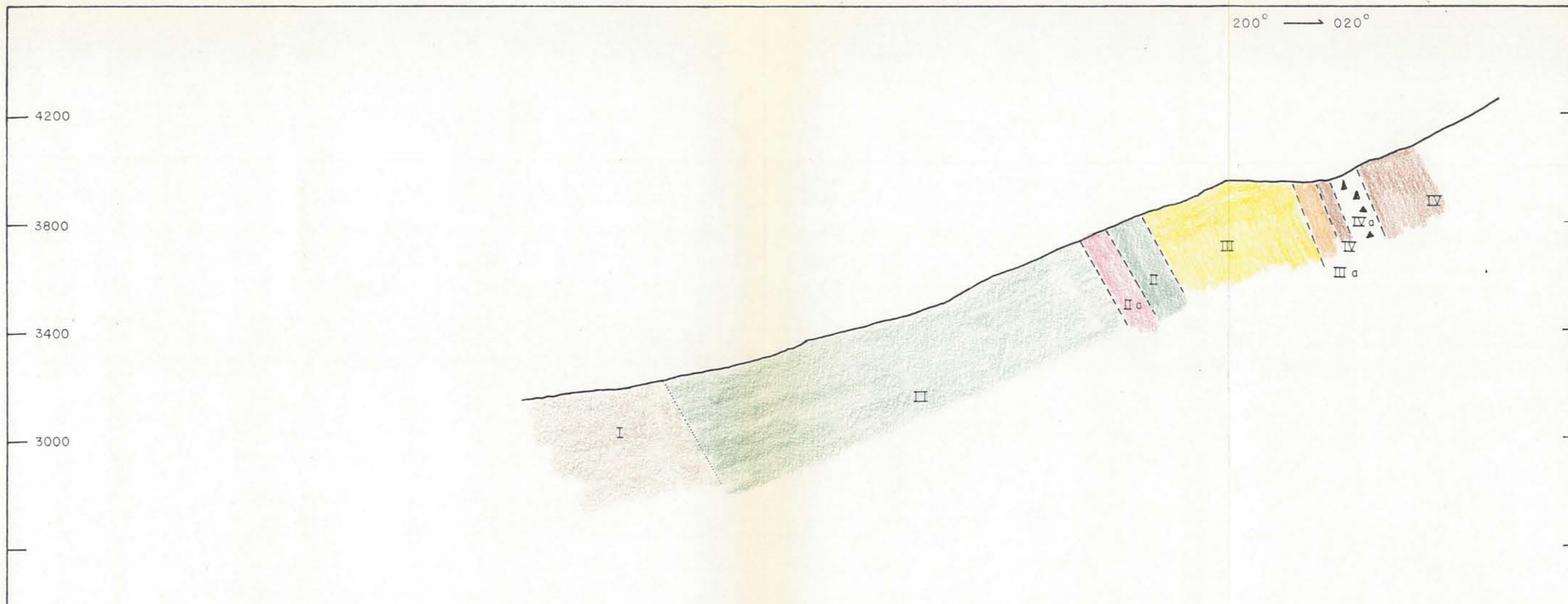
4650  
4250  
3850  
3450  
3050



**SECTION 1**  
 LOOKING NORTHWEST  
 scale 1" = 400'

- IV** Brown to black shale; **IVa** blue grey limestone - ferrodolomite, reef detritus breccia
- III** Porous buff dolomite, solution collapse cavity breccias with sporadic ZnS, PbS, FeS<sub>2</sub> and pyrobitumen; **IIIa** vuggy dolomite; **IIIb** buff dolomite with numerous bands of quartz; **IIIc** light-dark grey "wavy bedded" dolomite
- II** Light grey fine dolomite; **IIa** sandy dolomite to quartz arenite with crossbedded and conglomeratic sections
- I** Undifferentiated interbedded dolomite and shale; **Ia** interbedded quartz arenite and shale; **Ib** dark grey shale-siltstone; **Ic** light-dark grey mottled dolomite, fine-medium, local solution collapse breccias

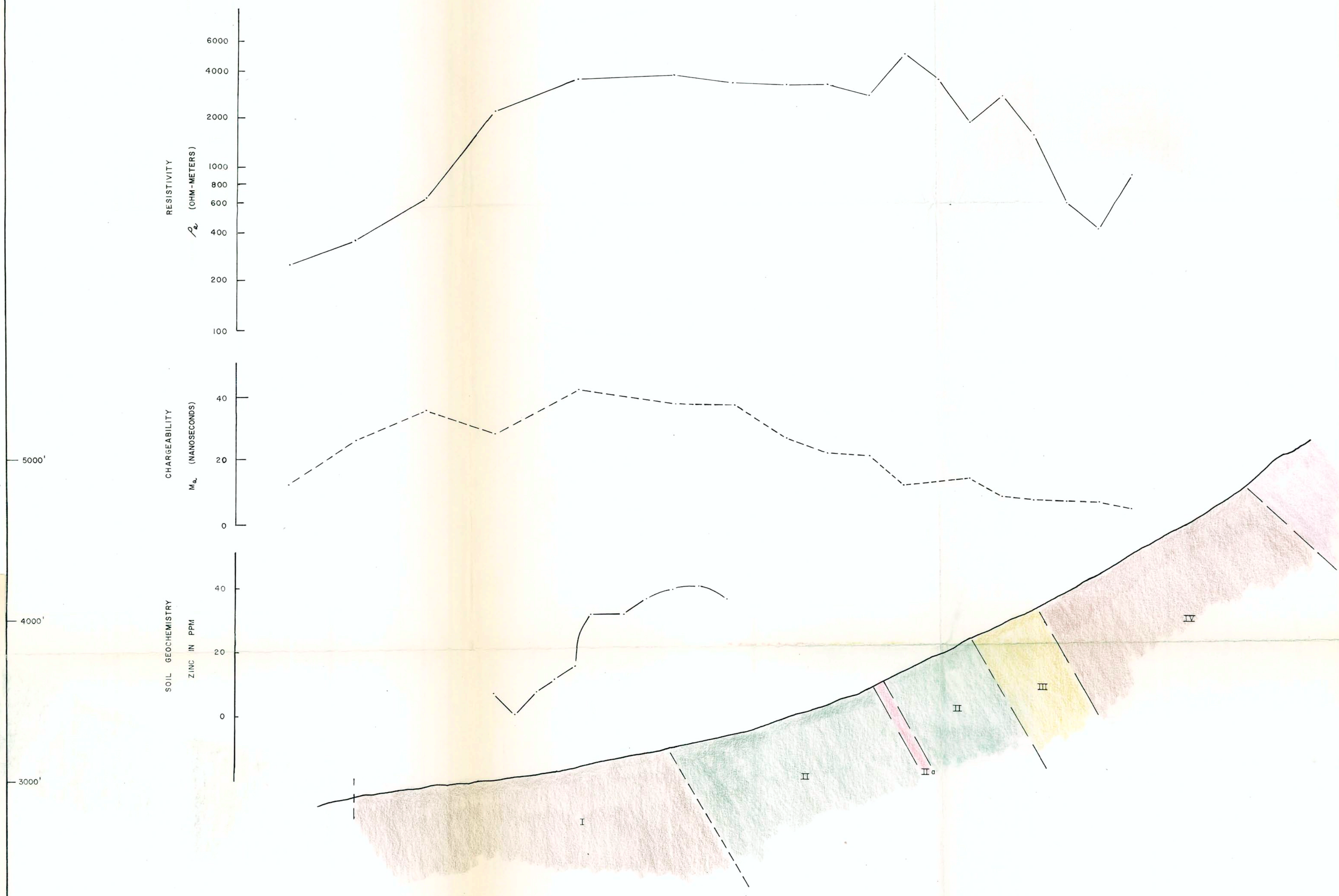
FIG. 7



SECTION 2  
 LOOKING NORTHWEST  
 scale 1" = 400'

- IV Brown to black shale; IVa blue grey limestone - ferrodolomite, reef detritus breccia
- III Porous buff dolomite, solution collapse cavity breccias with sporadic ZnS, PbS, FeS<sub>2</sub> and pyrobitumen; IIIa vuggy dolomite; IIIb buff dolomite with numerous bands of quartz; IIIc light-dark grey "wavy bedded" dolomite
- II Light grey fine dolomite; IIa sandy dolomite to quartz arenite with crossbedded and conglomeratic sections
- I Undifferentiated interbedded dolomite and shale; Ia interbedded quartz arenite and shale; Ib dark grey shale-siltstone; Ic light-dark grey mottled dolomite, fine-medium, local solution collapse breccias

FIG. 8

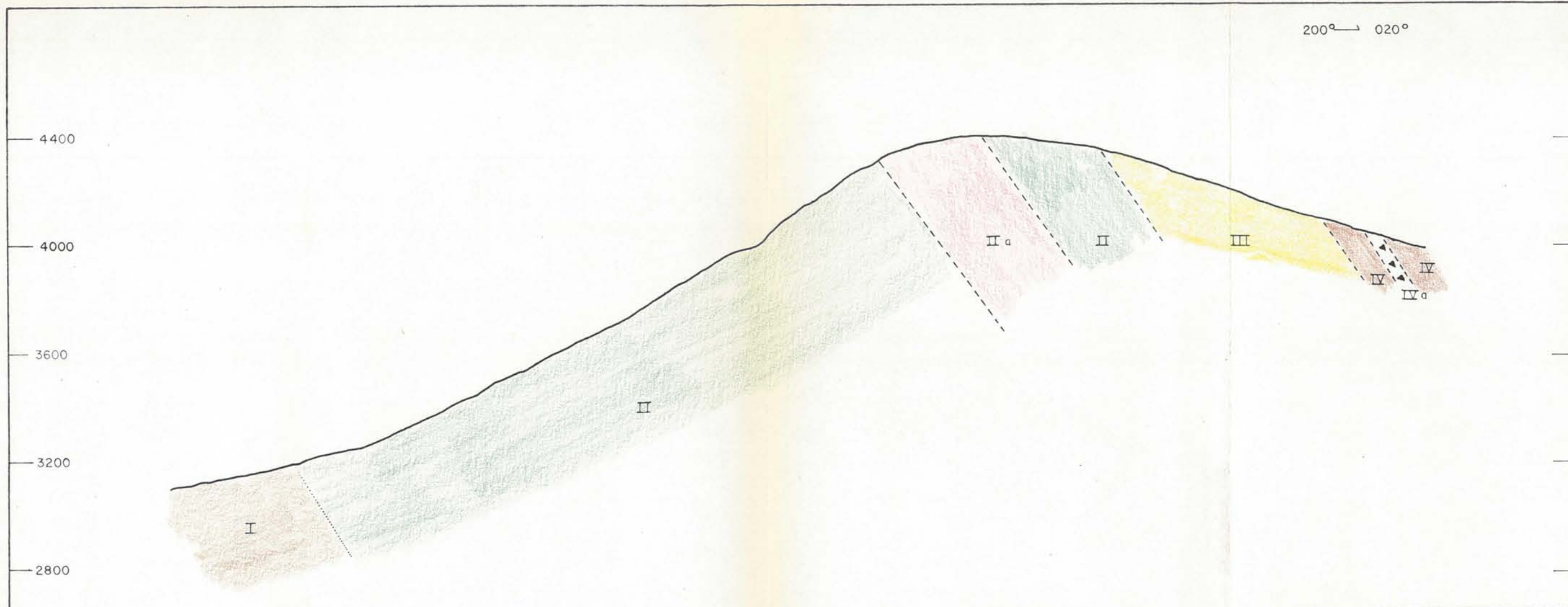


## SECTION 3

LOOKING NORTHWEST  
scale 1" = 400'

- |     |  |
|-----|--|
| IV  | Brown to black shale; IVa blue grey limestone - ferrudolomite, reef detritus breccia   |
| III | Porous buff dolomite, solution collapse cavity breccias with sporadic ZnS, PbS, FeS <sub>2</sub> and pyrobitumen; IIIa vuggy dolomite; IIIb buff dolomite with numerous bands of quartz; IIIc light-dark grey "wavy bedded" dolomite |
| II  | Light grey fine dolomite; IIa sandy dolomite to quartz arenite with crossbedded and conglomeratic sections   |
| I   | Undifferentiated interbedded dolomite and shale; Ia interbedded quartz arenite and shale; Ib dark grey shale-siltstone; Ic light-dark grey mottled dolomite, fine-medium, local solution collapse breccias                           |

200° → 020°



### SECTION 4

LOOKING NORTHWEST

scale 1" = 400'

IV

Brown to black shale; IVa blue grey limestone - ferrodolomite, reef detritus breccia

III

Porous buff dolomite, solution collapse cavity breccias with sporadic ZnS, PbS, FeS<sub>2</sub> and pyrobitumen; IIIa vuggy dolomite; IIIb buff dolomite with numerous bands of quartz; IIIc light-dark grey "wavy bedded" dolomite

II

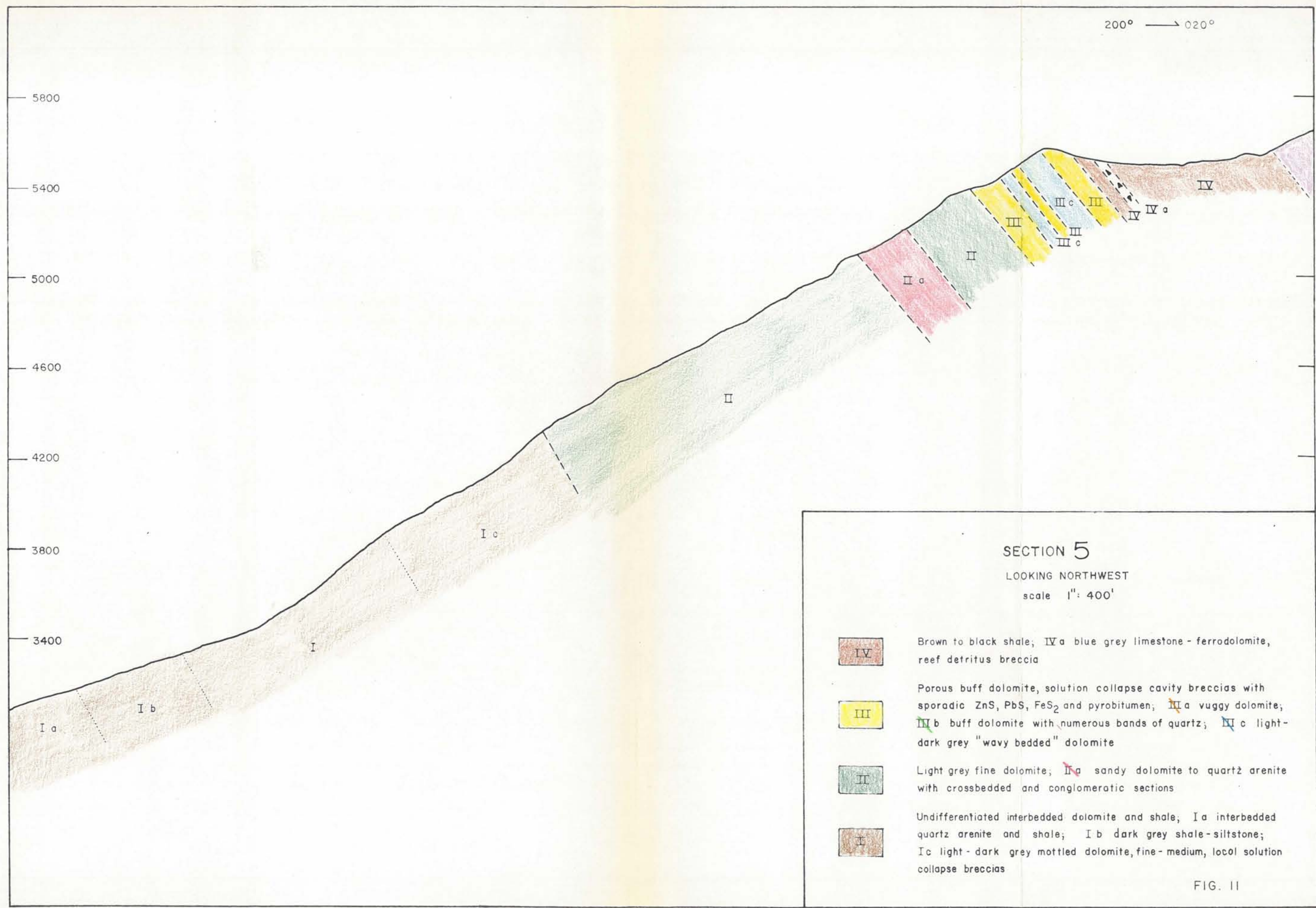
Light grey fine dolomite; IIa sandy dolomite to quartz arenite with crossbedded and conglomeratic sections

I

Undifferentiated interbedded dolomite and shale; Ia interbedded quartz arenite and shale; Ib dark grey shale-siltstone; Ic light-dark grey mottled dolomite, fine-medium, local solution collapse breccias

FIG. 10

200° → 020°



### SECTION 5

LOOKING NORTHWEST

scale 1" = 400'

- IV** Brown to black shale; **IVa** blue grey limestone - ferrodolomite, reef detritus breccia
- III** Porous buff dolomite, solution collapse cavity breccias with sporadic ZnS, PbS, FeS<sub>2</sub> and pyrobitumen; **IIIa** vuggy dolomite; **IIIb** buff dolomite with numerous bands of quartz; **IIIc** light-dark grey "wavy bedded" dolomite
- II** Light grey fine dolomite; **IIa** sandy dolomite to quartz arenite with crossbedded and conglomeratic sections
- I** Undifferentiated interbedded dolomite and shale; **Ia** interbedded quartz arenite and shale; **Ib** dark grey shale-siltstone; **Ic** light-dark grey mottled dolomite, fine-medium, local solution collapse breccias

FIG. 11

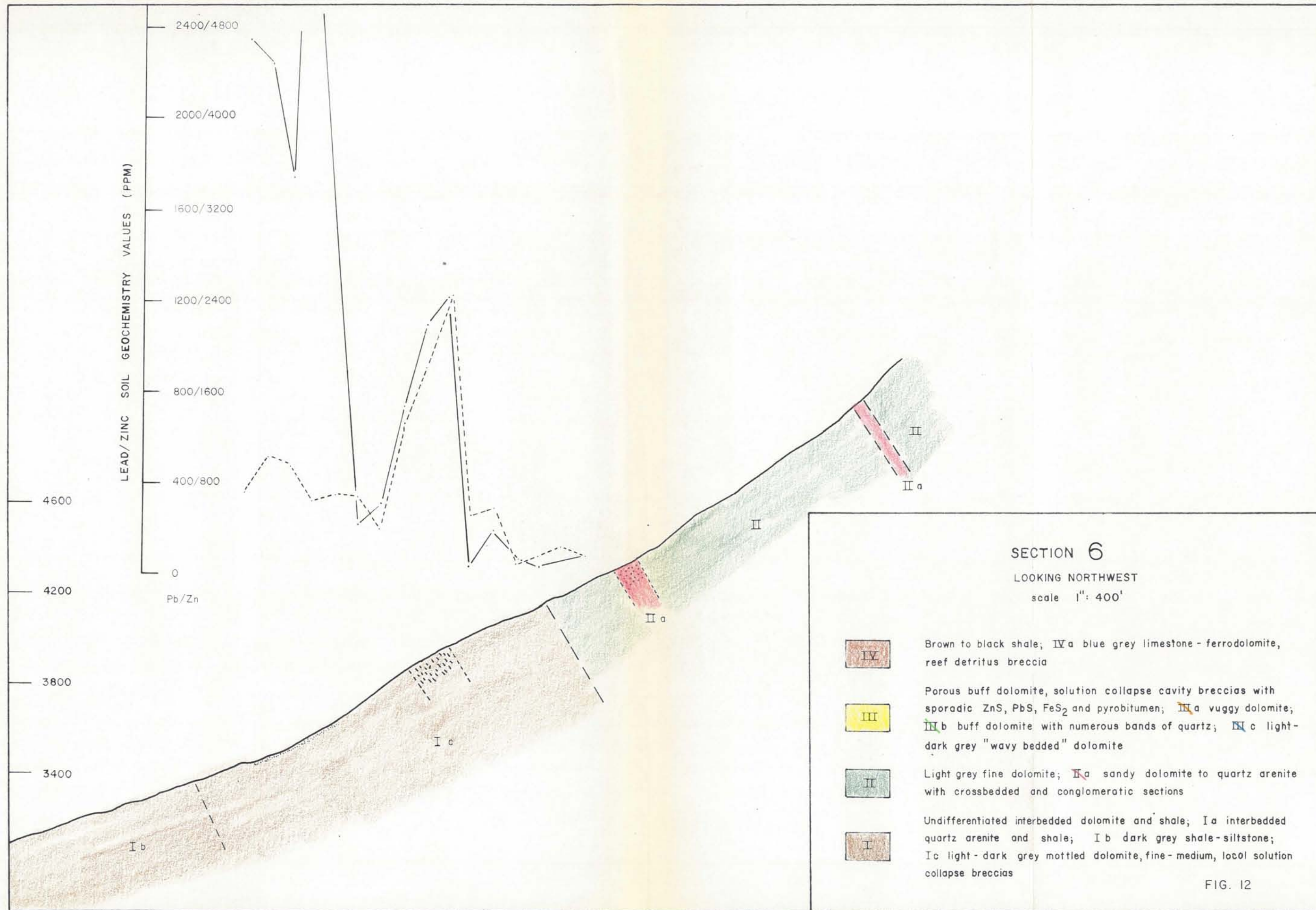
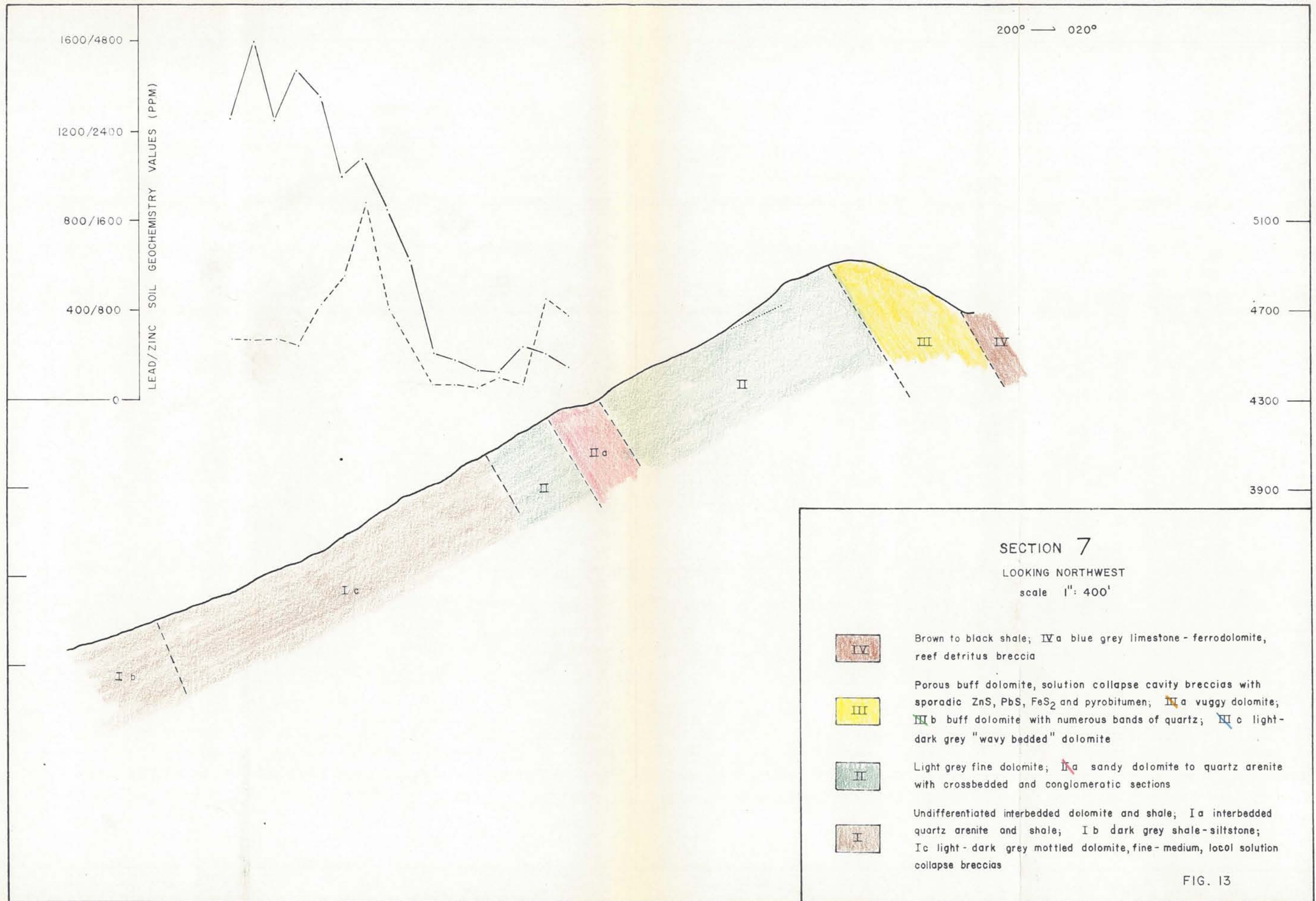


FIG. 12



## MINERALIZATION

Sulphide mineralization is found throughout the whole sequence. The types and nature of mineralization for each unit will be discussed separately.

### Unit One

The only sulphide found in situ in this unit, to date, is pyrite. Usually the pyrite is strongly oxidized and occurs as masses in cavities or in narrow bands, sub-parallel to bedding. However, east of Grayling Creek, float with sphalerite and galena has been found. The gossanous material associated with this unit assayed 3.2% zinc.

### Unit Two

The major sulphide present is pyrite. The pyrite occurs as disseminated crystals and is more predominant near the base of the unit. West of Duo Hill, minor sphalerite, galena and pyrite mineralization with quartz and dolomite crystals may occur in isolated solution cavities that are close to strong cross-cutting fracture zones. The largest cavity is approximately two feet thick and 20 feet long, and thus the mineralization is of no importance from an economic viewpoint.

### Unit Three

The majority of the mineralization so far observed on the property occurs in this Unit. The main sulphide mineral present is sphalerite with minor galena, pyrite and smithsonite, and the gangue is composed of quartz, dolomite, minor barite and calcite. The sulphide mineralization is found

in solution cavities and local collapse breccias, solution channel in-fillings, primary bedded material and also in late stage cross cutting structures, and each type of occurrence is described separately.

1. Solution Cavities and Collapse Breccias

The major occurrence of mineralization is in the breccias, but these are discontinuous and restricted in size. Maximum outcrop thickness is approximately 20 feet.

The best mineralized breccias occur east of Grayling Creek, where the dolomite fragments are cemented with sphalerite and quartz. The sphalerite varies in colour from white, through pale yellow to a yellow green. Some of the cavities are filled mostly with quartz (as botryoidal chalcedonic, massive white and clear to white subhedral crystals) and dolomite with only minor sulfides. Galena is not as common as sphalerite and usually occurs as discrete crystalline masses separate from the sphalerite.

West of Grayling Creek the mineralization is confined primarily to solution cavity in-fillings. The cavities are usually less than 6 inches in length, and are filled with clear to milky white quartz crystals, dolomite crystals and coarse euhedral galena and fine crystalline white to pale yellow sphalerite. On Barite Hill the cavities are filled with coarse crystalline white barite and minor coarse crystalline galena with traces of fine grained white sphalerite.

2. Solution Channel In-Fillings

This type of mineralization seems to be a product of dissolution of the rock after mineral deposition. Sphalerite grains and detrital quartz have been carried into the solution channels where they are redeposited. Textures show laminated and graded bedding. This type of mineralization was found only on Vega Hill.

3. Primary (?) Bedded Mineralization

This type of occurrence is minor and was noticed in only two areas. On Knob Hill fine to medium crystalline galena is present in discontinuous bands in a folded fine grained dolomite. The mineral occurs over a 5 to 10 feet length with  $\frac{1}{2}$  to  $\frac{1}{4}$ " bands of galena approximately every 12 inches over a thickness of 5 feet. The other occurrence of this type of mineralization is east of Grizzly Creek, on the lower slope of Tiddalick Ridge, where a few  $\frac{1}{4}$ " bands, parallel to bedding, of pale yellow fine grained sphalerite occur over a 30 foot width.

4. Late Stage Structures

Galena is the most common sulphide in-filling of cross cutting joints. It is coarsely crystalline, forming masses up to 6 inches across, and the best occurrence of this type of mineralization is on Knobb Hill. In the mineralized breccia zones east of Grayling Creek remobilized pale yellow sphalerite often occurs along cross cutting joints. The veinlets are usually less than  $\frac{1}{4}$ " in width.

Unit Four

Pyrite occurs as disseminations along bedding and as large fragments in small scale sedimentary breccias in the dark impure dolomite at the base of this unit. Minor sphalerite was noted in one drillhole (74-6)

SAMPLING AND ASSAY RESULTS

Surface rock chip sampling was carried out over mineralized sections in Unit Three. The samples were taken both over outcrop and talus (see Figs. 14-18), and all samples were taken on a six inch spacing along a fixed sample line. The samples were analyzed (by atomic absorption) for zinc, and for lead when galena mineralization was present. In general, the assay results were not encouraging and show that the grade of mineralization is erratic and discontinuous.

Some of the sample lines run in 1973 by Cypress Resources Ltd. were re-sampled and the results for the higher grade sections differ from the previous work by as much as 1,200 percent (see Fig. 18). This discrepancy can be attributed to the difficulty of obtaining representative surface samples and the erratic distribution of the mineralization.

Gossan float and outcrop samples were collected from various parts of the property, and were analyzed for Pb-Zn (and some also for Ag, Mn and Fe). The results are given in Table I, and suggest that the gossan material is related to mineralization that consisted of pyrite, sphalerite and galena. The manganese content of the samples is low, and there does not therefore, appear to have been any scavenging of Pb and Zn by manganese.

TABLE I

GOSSAN SAMPLES

	<u>ppm Pb</u>	<u>ppm Zn</u>	<u>ppm Ag</u>	<u>ppm Mn</u>	<u>%Fe</u>
24733	3,000	7,000			
24734	2,400	1,800			
24736	600	70	2.5	309	46.3
24737	835	16,400	4.0	88	56.6
24738	1,060	8,900	2.5	235	49.7
24739	1,800	4,800	3.0	485	52.4
24740	1,000	5,000	3.5	291	55.4
24741	449	13,900	4.5	35	53.6
24148	6,600	24,800			
24149	800	32,000	8.0		57.6

07/09  
02/48  
.01/40  
02/19  
01/158  
02/06  
02/.53

B/L 62W

BARITE HILL

B/L 44W

28' 0.16% Zn

DUO

B/L 37W

25' N.A./0.28

10' .01/.09

19' .02/.33

MARMOT

B/L 30W

B/L 28W

30' 24/.23  
27' NA/1.00  
19' NA/.07

KNOB

B/L 35E

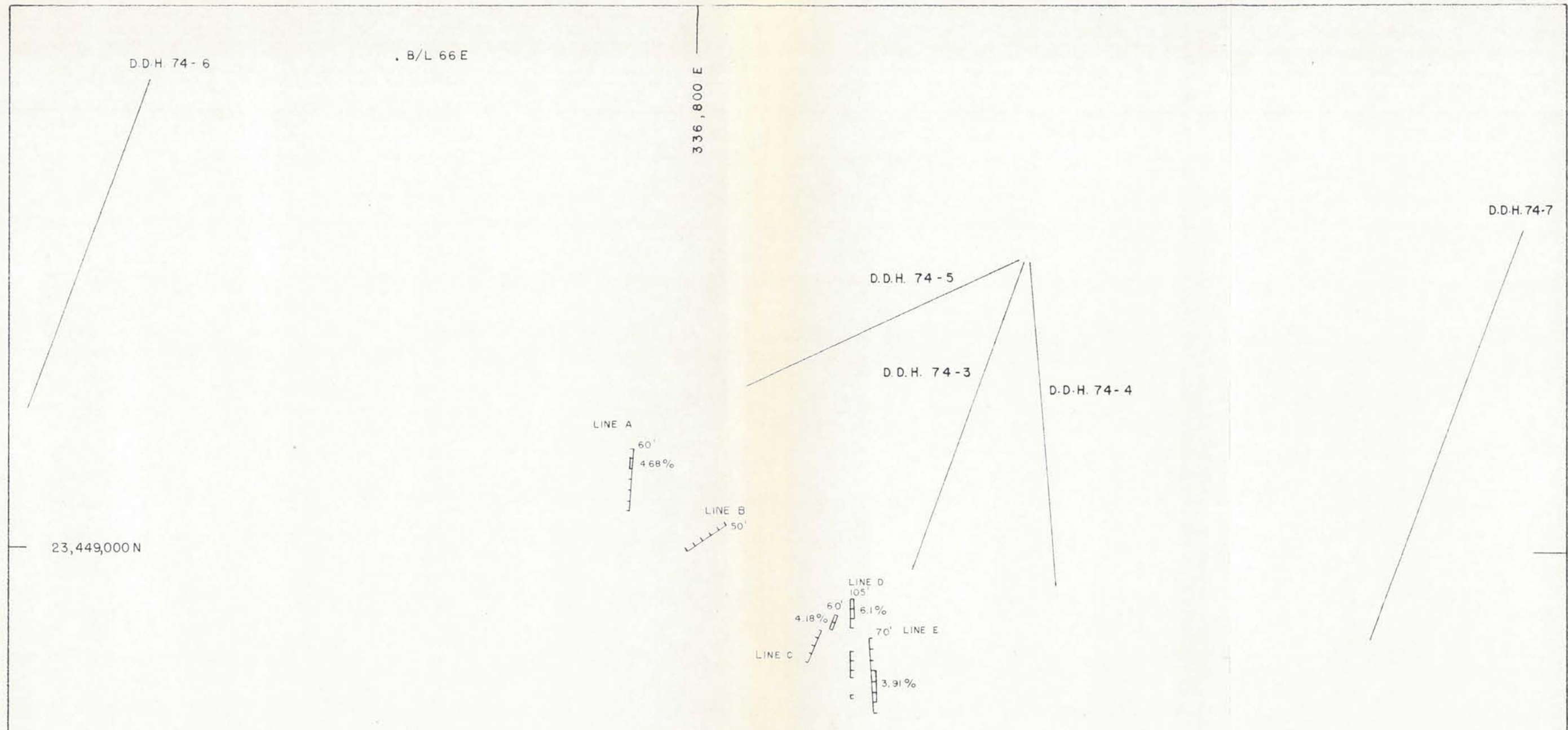
1.60%

TIDDALICK

BRITISH NEWFOUNDLAND EXPLORATION, LTD.

SAMPLE LOCATION MAP  
CYPRESS PROJECT, BONNET PLUME RIVER, Y.T.

Date: Oct. 1974	Scale: 1" : 100'	Drawn by K.B.M.
	Map no. 14	Traced by D.M.
	MAP REF. 106 C/7	Checked by K.B.M.



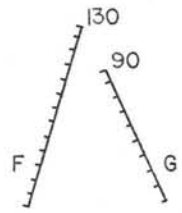
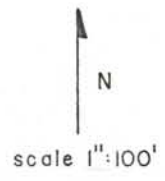
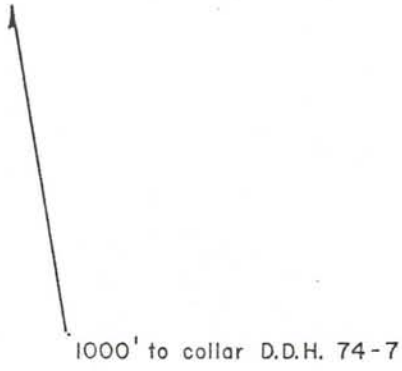
ASSAY VALUES - % ZINC

LINE A		LINE B		LINE C		LINE D		LINE E	
0-10'	0.04	0-10'	0.38	0-10'	1.60	0-3'	0.37	0-10'	0.92
10-20'	0.04	10-20'	0.53	10-20'	0.23	22-30'	0.61	10-20'	2.32
20-30'	0.34	20-30'	0.33	20-30'	0.20	30-40'	0.07	20-30'	7.90
30-40'	0.29	30-40'	0.60	30-40'	0.09	40-50'	0.13	30-40'	1.52
40-50'	4.68	40-50'	0.34	40-50'	3.32	75-85'	0.29	40-50'	0.75
50-60'	0.58			50-60'	5.04	85-95'	4.20	50-60'	0.66
						95-105'	8.40	60-70'	0.08

BRITISH NEWFOUNDLAND EXPLORATION, LTD.

SAMPLE LOCATION MAP  
CYPRESS PROJECT, BONNET PLUME RIVER, Y.T.

DATE : OCT. 1974	SCALE 1" : 100'	DRAWN BY : B.M.
	MAP No. 15	TRACED BY : D.M.
	MAP REF. 106 C/7	CHECKED BY : B.M.



SAMPLE LOCATION MAP

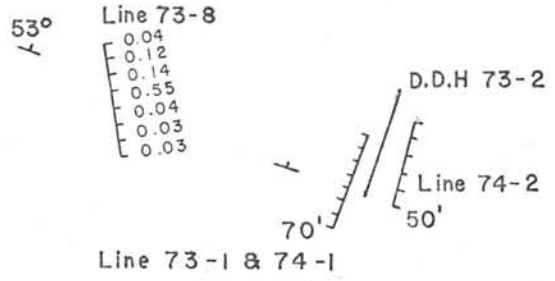
	Line F		Line G
	% Zn		% Zn
0-10'	3.88	0-10'	0.18
-20	5.24	-20	0.25
-30	2.28	-30	3.84
-40	2.72	-40	0.10
-50	3.80	-50	0.15
-60	2.20	-60	0.04
-70	1.28	-70	0.09
-80	0.90	-80	0.64
-90	5.28	-90	0.10
-100	0.76		
-110	0.20		
-120	0.14		
-130	1.48		

fig. 16

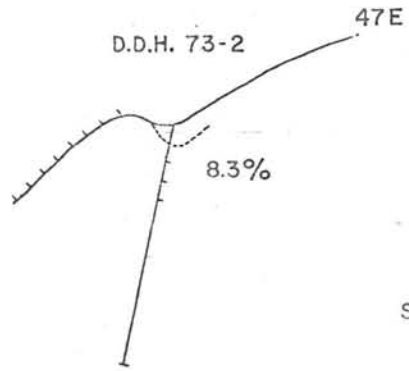


.46E

.47E



	LINE 74-1	73-1	74-2
0-10	4.00	9.85	1.68
10-20	1.32	5.40	0.18
20-30	0.38	4.80	0.46
30-40	0.16	0.07	0.28
40-50	0.04	0.04	0.26
50-60	0.04	0.03	
60-70	0.04	0.03	



SAMPLE LOCATION MAP  
%ZINC

scale 1" : 100'

fig.18

GEOCHEMISTRY

A limited amount of geochemical survey work, consisting of stream silt and soil sampling, was done on the property.

A. Stream Silt Sampling (See Figs. 19-20)

Wolverine, Grizzly and Grayling Creeks were sampled at intervals of 500 feet, to examine the dispersion pattern developed by the lead-zinc mineralization present in Unit Three, and to test for anomalous values where the streams flowed over ground underlain by Unit One. The -80 mesh fraction was analyzed (by atomic absorption) for lead and zinc.

The results were analyzed statistically (Fig. 21) and the various categories are shown in Table II. Although there are only a limited number of samples for the statistical plot, it is felt that the results are reliable based on field observations. The results are what one would expect based on the known mineralization in Unit Three and the amount of downstream transport of mineralized boulders. However, the values obtained from the lower part of Grayling Creek where it cuts through Unit One are definitely anomalous both in lead and zinc which supports the proposed further work on Unit One for 1975.

B. Soil Sampling

Three areas of the property (Vega Grid, Line 34W Grid and BRF Extension Grid) were soil sampled during 1974. Most of the samples were taken from the C Horizon, but where possible the B Horizon was taken. The

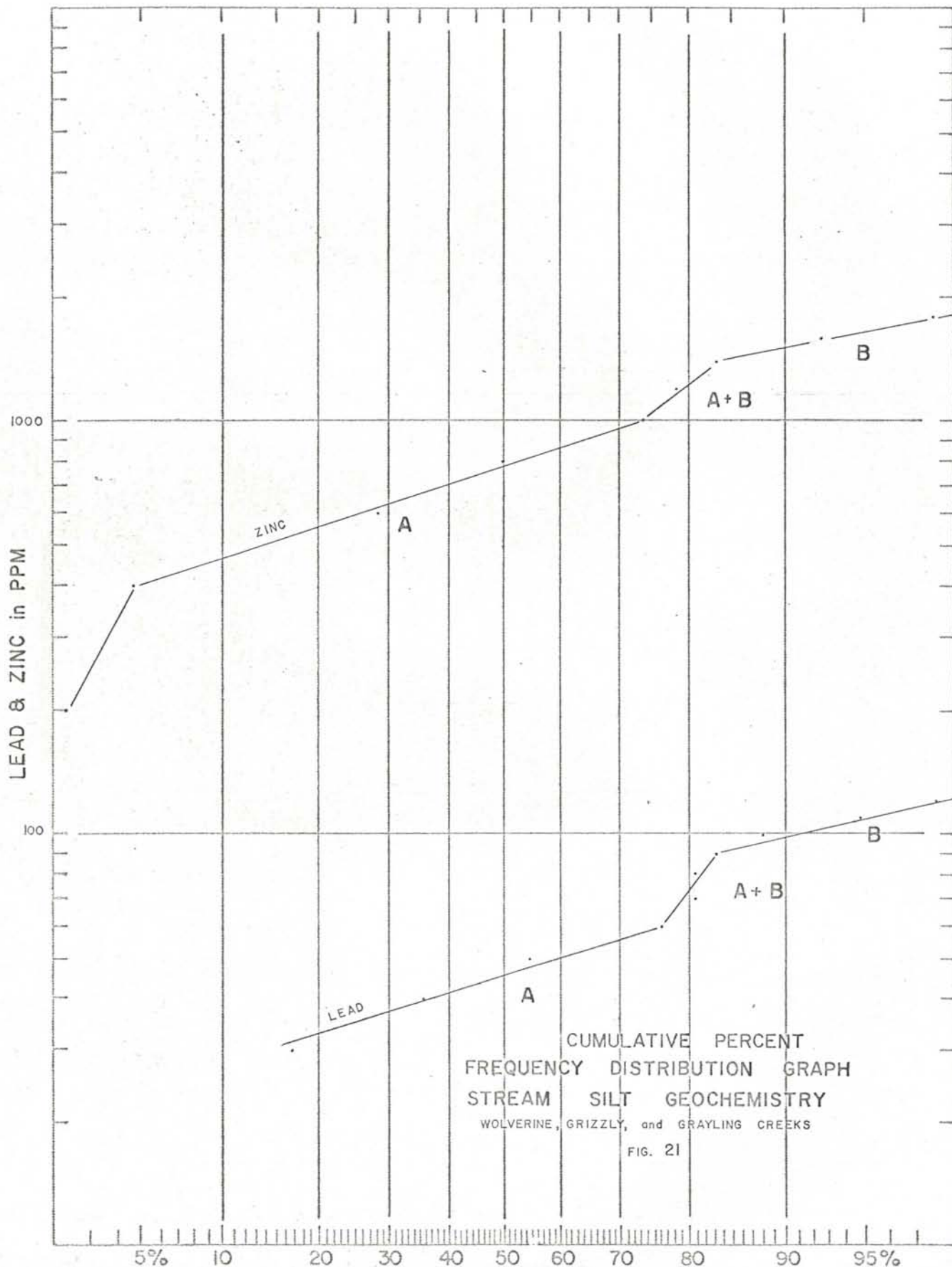


TABLE II

STREAM SILT ANALYSIS

	<u>Zinc</u>	<u>Lead</u>
Background	0 < 800 ppm	0 < 60
Prob. Anomalous	> 800 < 1,400	> 60 < 100
Anomalous	> 1,400	> 100

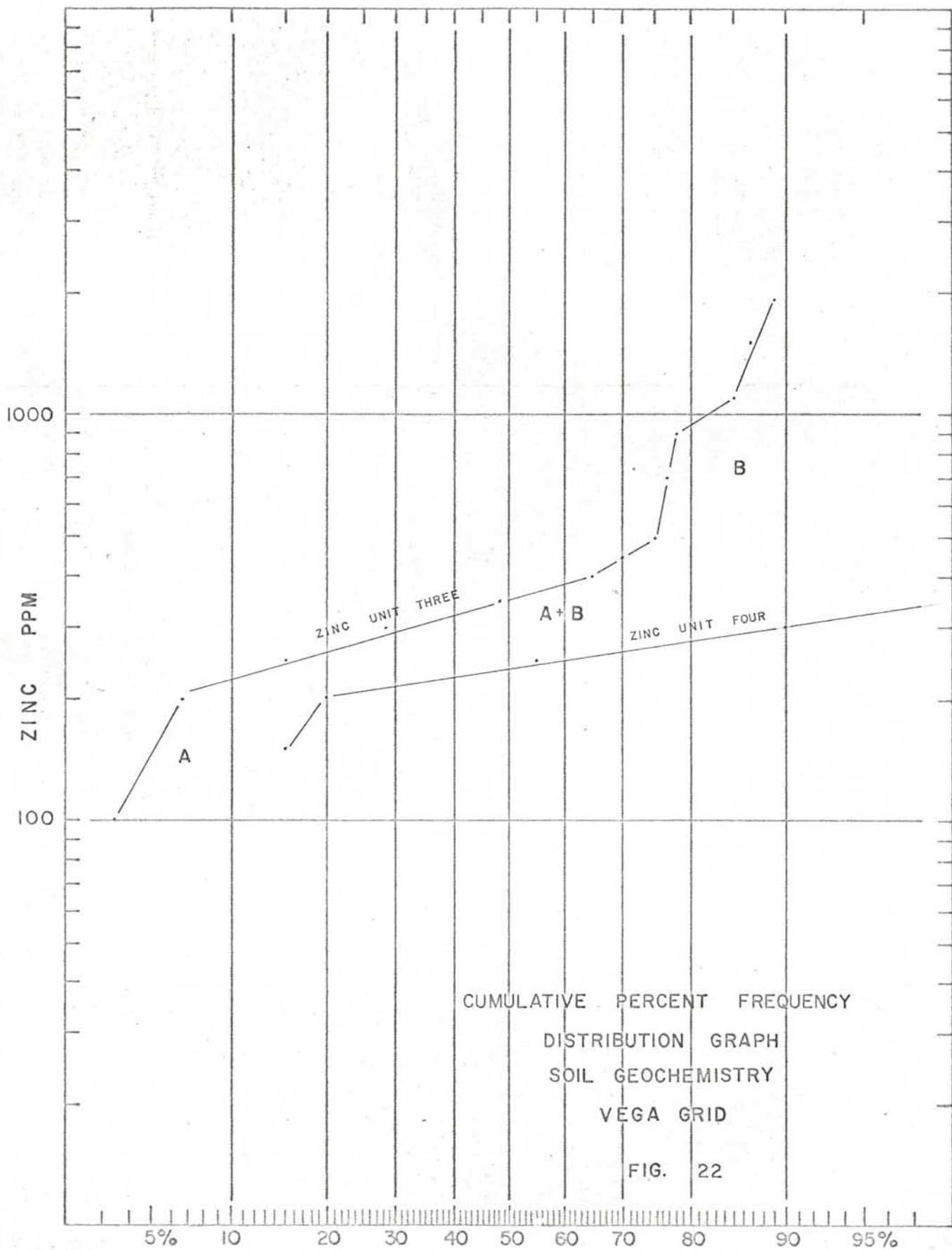
majority of the samples collected contained a moderate amount of organic matter. The samples were dried and the -80 mesh fraction was analyzed (by atomic absorption) for zinc, and some also for lead. The results for each are discussed separately.

1. Vega Grid (See Fig. 22)

A soil sampling survey was done on the eastern slope of Vega, east of the known mineralization, to test for a possible covered extension of the mineralized zone. The grid was set up with lines 100 feet apart and sampled at intervals of 100 feet. The values were statistically analyzed (Fig. 22) and the results are shown in Table III. The zinc anomaly present is a classic example of downslope migration of zinc, with the lower boundary being the small creek that cuts through the area. Based on the results of the diamond drilling (74-1 and 74-2), this anomaly is not considered to be important and warrants no further follow-up work.

2. Line 34W Grid (See Fig. 22)

A series of trial lines, with a linespacing of 500 feet and sample spacing of 200 feet, were run along and adjacent to Line 34W (West of Grizzly Creek). This work was done to search for geochemical expression of the possible induced polarization anomaly (see later) situated on ground underlain by Unit One. It would appear that the weak anomaly developed may be due to downslope migration of zinc as the anomaly lies in a drainage depression that also cuts



CUMULATIVE PERCENT FREQUENCY  
 DISTRIBUTION GRAPH  
 SOIL GEOCHEMISTRY  
 VEGA GRID

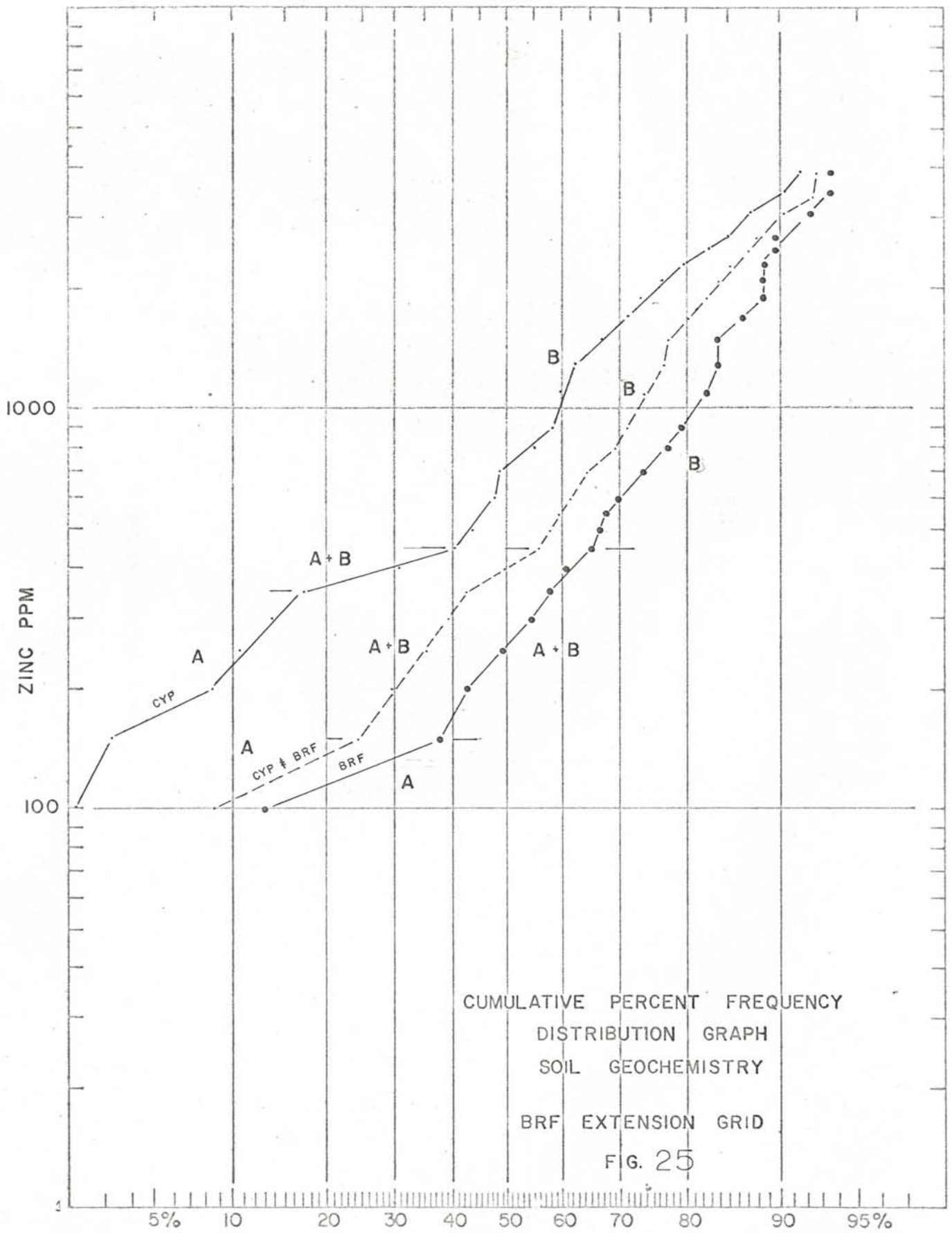
FIG. 22

through Unit Three. However, this area will be further sampled during the 1975 field season.

3. BRF Extension Grid (See Figs. 23, 24)

Soil sampling was done over the ground (area 2,800' x 1,600'), predominantly underlain by Unit One, that was considered to be on strike with the Barrier Reef/Great Plains showings in Harrison Creek. The lines were spaced approximately 650 feet apart and samples were collected at intervals of 100 feet. A total of 83 samples was collected, each from a depth of 6 to 12 inches, and generally from the C horizon; where possible the B horizon was sampled. Coincident Pb-Zn anomalies occur in this area (see Figs. 23, 24) and mineralized float has been found on Line 23E. One sample from the large gossan covered area on Line 21 assayed 3.2% zinc, 0.08% lead and 0.24 oz/ton silver. A favourable host rock for mineralization exists in this area (see discussion of geology, Unit One) and additional sampling and trenching is warranted.

The values were statistically analyzed (Fig. 25) and the results are shown in Table III. There is a fairly good correlation between the threshold value over this area and the adjoining ground (see Table III). The zinc anomaly is at least 4,000 feet long, of which 3,300 feet is on the Cypress ground and is open in three directions. The lead anomalies are more restricted in size but need further work to define their limits.



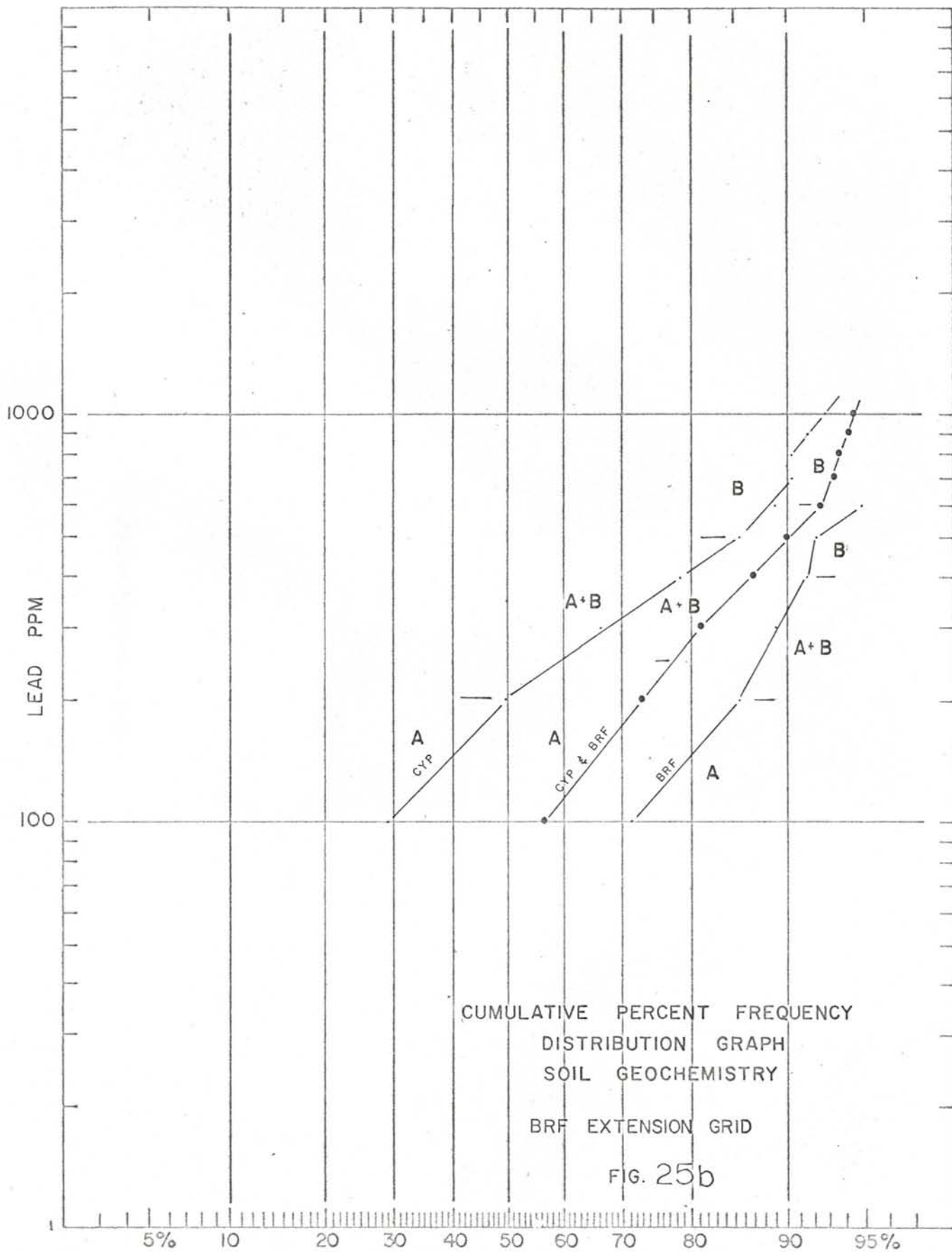


TABLE III

STATISTICAL ANALYTICAL RESULTS

SOIL SAMPLING

A. BRF GRID EXTENSION AND L 34W GRID

<u>Zinc</u>	<u>CYP</u>	<u>BRF</u>	<u>CYP + BRF</u>
Background	0 < 350 ppm	0 - 150 ppm	0 - 150 ppm
Mixing	> 350 < 450	150 - 450	150 - 450
Anomalous	> 450	> 450	> 450

<u>Lead</u>	<u>CYP</u>	<u>BRF</u>	<u>CYP + BRF (B)</u>
Background	0 - 200 ppm	0 - 200	0 - 300
Mixing	200 - 500	200 - 400	300 - 600
Prob. Anomalous	> 320 < 500	> 280 < 400	> 425 - 600
Anomalous	> 500	> 400	> 600

B. VEGA GRID

<u>Zinc</u>	<u>CYP</u>
Background	0 < 500 ppm
Anomalous	> 500 ppm

## DIAMOND DRILLING

The upper dolomite unit (Unit Three) was tested with seven BQ diamond drill-holes totaling 3,000 feet. The pertinent data, along with assay results, are listed in Table IV.

### A. Drill Core Geology

There is a fairly good correlation between surface geology and drill-hole geology. Sections (see Figs. 26 to 32) for the drillholes are enclosed with the report. The drill-logs are included in Appendix II .

### B. Drill Core Assays

Mineralized sections of the drillcore were split and assayed (by atomic absorption) for zinc. The assay results are shown in Table IV, from which it can be seen that no economic or even encouraging intersections were encountered in the drillholes. The drillcore assays also demonstrate that the sulfide mineralization is erratic and discontinuous both downdip and along strike.

## GEOPHYSICS

A trial induced polarization survey was carried out on part of the property. The main area tested was over Unit Three, west of Grizzly Creek. The I.P. response over this area was not encouraging and slight anomalies are explained by geologic contacts. As a result no further I.P. work was done on Unit Three. One trial line (line 34W) (see Fig. 9) was run over the

whole stratigraphic section and an anomalous result was obtained over ground underlain by Unit One. Depending on the results of additional geochemical soil sampling and trenching over ground underlain by Unit One, further I.P. work may be done on the property.

TABLE IV

DIAMOND DRILLING RESULTS

<u>D. D. H.</u>	<u>Northing</u>	<u>Easting</u>	<u>Elevation</u>	<u>T. D.</u>	<u>Bearing</u>	<u>Inclination</u>	<u>Assay Results</u>	
							<u>Footage Interval</u>	<u>% Zn</u>
1	23,452,183.29	328,509.69	4102.3	511'	200°	-45°	90-100	1.14
							100-108	2.20
							143-152.5	0.31
							177-185	0.14
							185-194	0.92
							260-270	0.62
							270-280	0.80
2	23,452,103.33	328,907.40	3898.5	252'	200°	-45°	14- 25	0.04
							25- 35	0.23
							35- 45	0.05
							45- 55	0.04
							44- 65	0.08
							65- 75	0.03
							75- 85	0.03
							85- 95	0.17
							95-105	0.01
							105-115	0.06
							115-125	0.04
							125-135	0.03
3	23,449,284.97	337,109.18	5458.2	398'	200°	-40°	170-180	0.59
							265-270	0.03
							280-285	0.04
							292.1-298.6	0.27
							298.6-302.9	20.00
							302.9-310	0.06
							320-330	0.23

TABLE IV (CONTINUED)

<u>D. D. H</u>	<u>Northing</u>	<u>Easting</u>	<u>Elevation</u>	<u>T. D.</u>	<u>Bearing</u>	<u>Inclination</u>	<u>Assay Results</u>	
							<u>Footage Interval</u>	<u>% Zn</u>
4	23,449,284.97	337,109.18	5458.2	433'	175°	-45°	313-322.5	1.38
							350-355	0.11
							355-360	0.09
							367-372	0.14
							375-380	0.22
							390-395	0.84
							395-400	0.69
							410.4-414	1.06
5	23,449,284.97	337,109.18	5458.2	406'	245°	-45°	211.8-216.8	0.47
							216.8-220	1.01
							220-225	0.29
							335-340	0.04
							341-346	0.02
							363-368	0.15
							371-374	0.04
							385-390	0.55
							390-395	0.16
6	23,449,408.38	336,279.19	5560.6	465'	200°	-45°	27- 35	0.18
							35- 40	1.94
							172-176	0.16
							290-296	0.20
							339-343	0.49
							415-420	0.57
							420-430	2.03
							430-433	2.00
7	23,449,349.10	337,580.06	5226.5	535'	200°	-40°	181-186	1.28
							305-315	1.44
							323-334	1.15
							338.5-347.5	1.58
							360-370	2.09
							370-380	0.20

APPENDIX I

CLAIM STATUS

The property, at the start of the field season, consisted of 120 claims. However, serious staking irregularities were noted during field work and as a result it was necessary to have the property covered by a partial legal survey. As a result of the survey, 27 fractions and 17 claims were staked by White, Hosford and Impey Limited (see Fig. 2), and seven recorded claims were found not to exist. The existing claims are listed in TABLE A. A copy of the claim map is included with the report.

TABLE A

<u>CLAIM</u>	<u>RECORD NUMBER</u>	<u>EXPIRY DATE</u>
CYP 1-18	Y70173-Y70190	Aug. 22, 1977
CYP 20	Y70192	" "
CYP 22	Y70194	" "
CYP 24-26	Y70196-Y70198	" "
CYP 28	Y70200	" "
CYP 30-40	Y84602-Y84612	" "
ED 1-8	Y70149-Y70156	Aug. 22, 1977
CYR 9-40	Y70109-Y70140	Aug. 22, 1977
PB 1-8	Y70157-Y70164	Aug. 22, 1977
ZN 1-8	Y70165-Y70172	Aug. 22, 1977
SCREW 1-5	Y85947-Y85951	Sept. 9, 1977
SCREW 7	Y85953	" "
SCREW 9-16	Y85955-Y85962	" "
FXE 1-8	Y70141-Y70148	Aug. 22, 1977
WHI FR. 1-24		Aug. 6, 1975
ZOT 1-14		Aug. 15, 1975
ZOT 15 FR		" "
ZOT 16		" "
ZOT 17 FR		" "
ZOT 18		" "
ZOT 19 FR		" "
ZOT 20		" "
ZOT 21 FR		" "
ZOT 22 FR		" "

TABLE B

The following claims are part of the original 120 claims optioned from Cypress. The claim survey has established that these claims do not exist, although three years assessment work has been applied to them.

<u>CLAIM</u>	<u>RECORD NUMBER</u>	<u>EXPIRY DATE</u>
CYP 19	Y70191	August 22, 1977
CYP 21	Y70193	August 22, 1977
CYP 23	Y70195	August 22, 1977
CYP 27	Y70199	August 22, 1977
CYP 29	Y84601	August 22, 1977
SCREW 6	Y85952	September 9, 1977
SCREW 8	Y85954	September 9, 1977

APPENDIX II

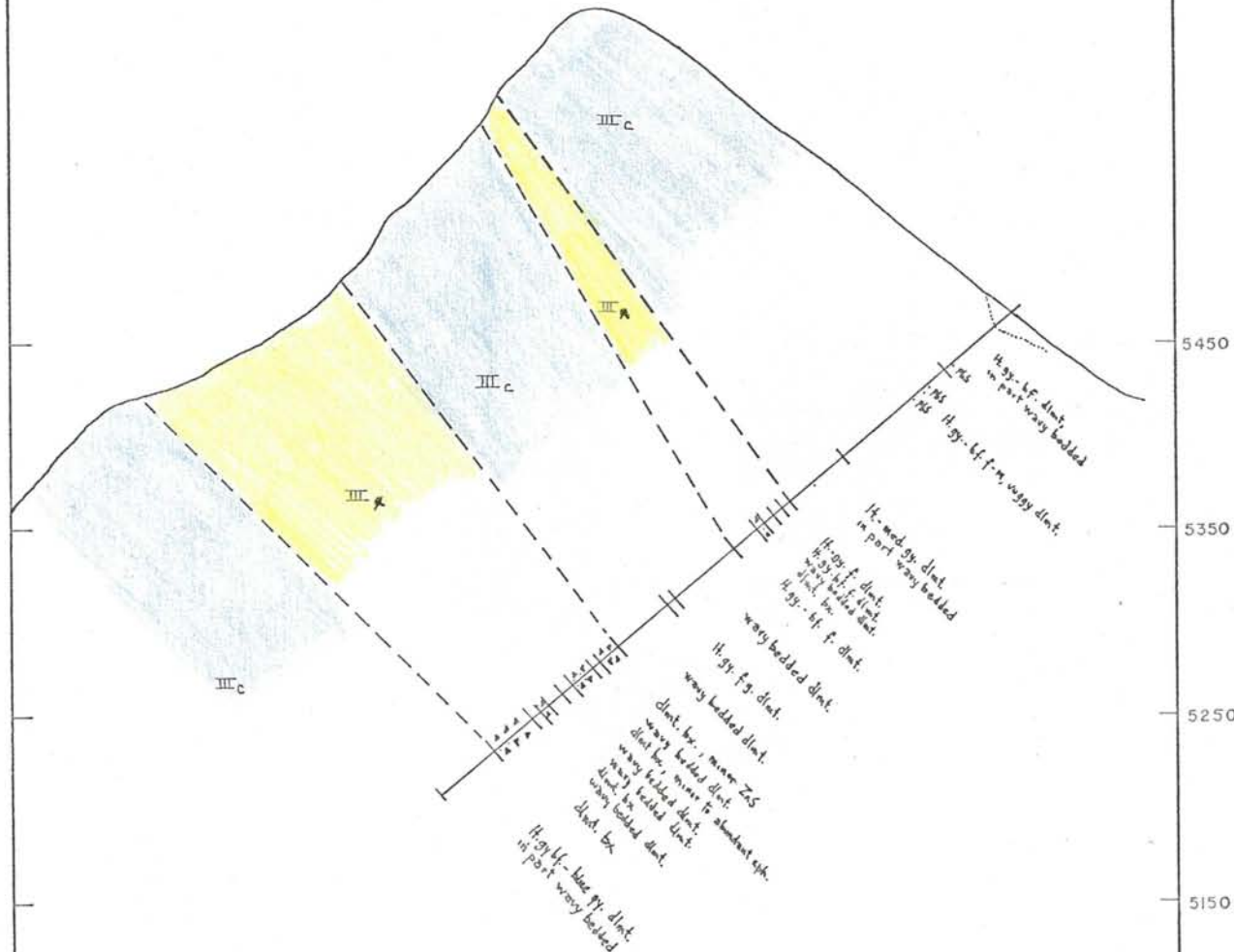
DRILL LOGS & CROSS SECTIONS





200°

020°



5450  
5350  
5250  
5150

GEOLOGICAL SECTION

D.D.H - 74-3

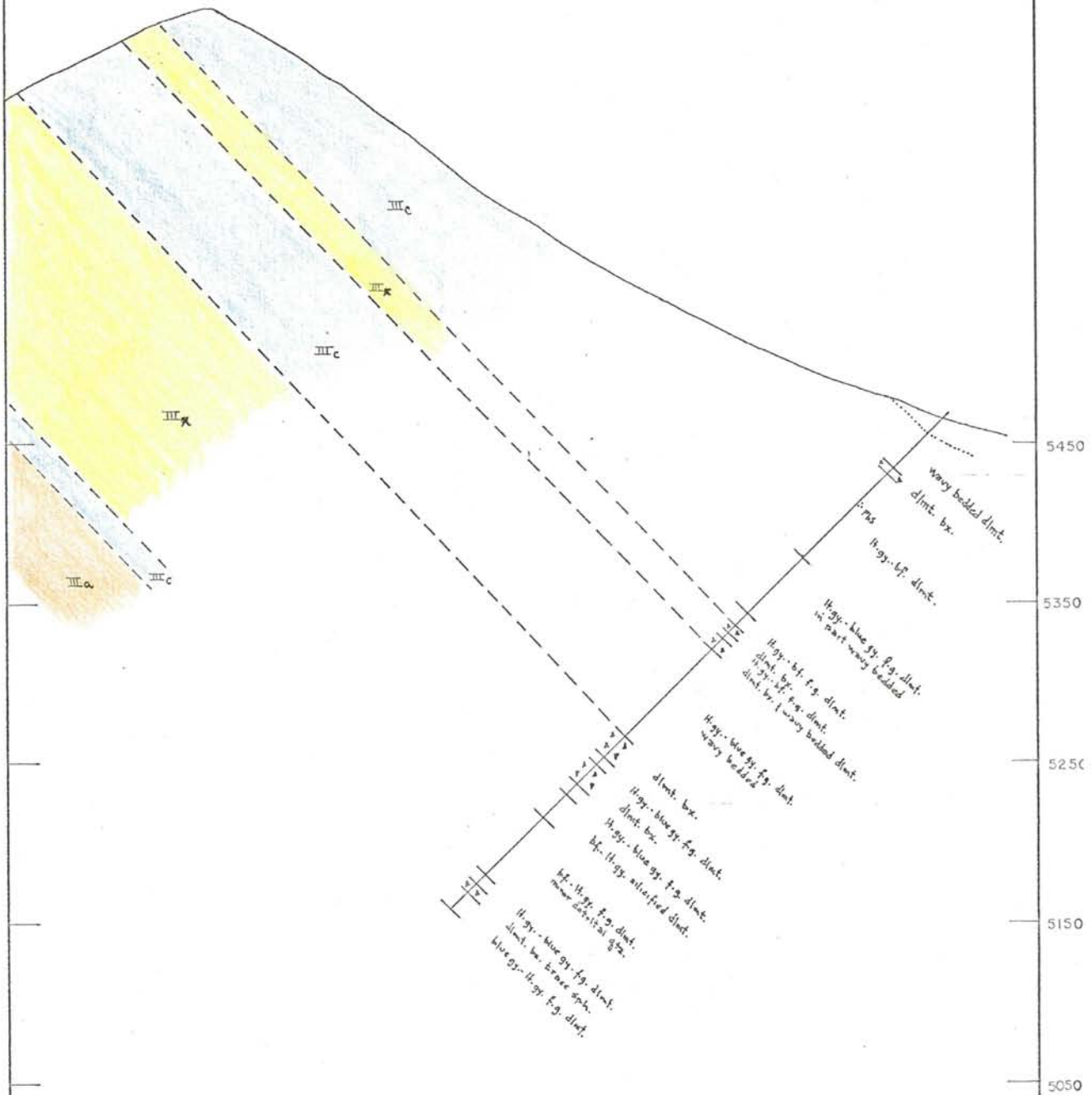
Looking Northwest

Scale 1" : 100'

FIG. 28

175°

355°



GEOLOGICAL SECTION

D.D.H. 74-4

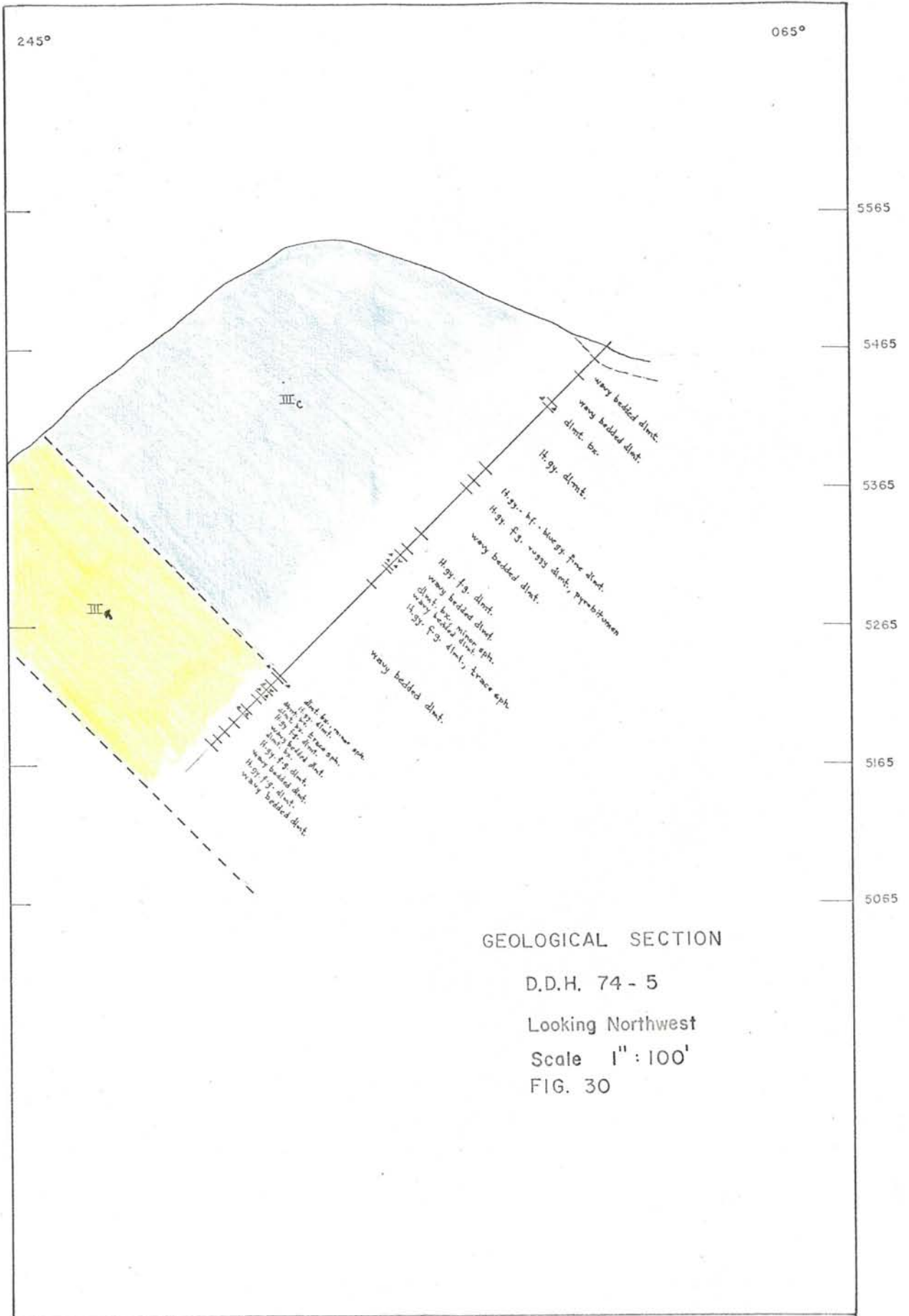
Looking West

Scale 1"=100

FIG. 29

245°

065°



GEOLOGICAL SECTION  
 D.D.H. 74 - 5  
 Looking Northwest  
 Scale 1" : 100'  
 FIG. 30







SECTION	DESCRIPTION	SAMPLING			ASSAY	
		No.	FROM	TO	FEET	Zn
	<p><u>37-52.5' Mudstone - Siltstone</u></p> <p><u>52.5-57.5 IMPURE DOLOMITE</u> f. m.g., massive, buff impure dolomite Rare tear drop shaped vugs with limonitic lining. Fragment dk grey, py rich 1 1/4" long, 1/2" wide, py v.f.g. contains other rounded blebs of py rich rx, also contains speckling of py which are rounded all in a breccia like mass. <u>57.5-58.0 Fault Zone?</u> <u>58.0-58.5 Re-x-al Dolomite</u> lt. grey and med grey, f.g. - m.g., few small vugs</p> <p><u>58.5-81.0 SANDY DOLOMITE</u> buff. lt. grey, f.g. mass. Sandy Dlm. subang to subrounded detrital qtz grains in 1-2 inch bands. Also some dk grey Rx frag? chert or super. Mod ZnO reaction in some cracks 66-1 1/2 47.5 py. limonite in irreg. hairline cracks 68.5-77.5 weak to mod ZnO reaction. Heavier reactions occur along fractures and in re-x-al dlm. 77.5-81 No reaction to weak ZnO</p> <p><u>81.0 - 120.9 F.G. LT. GREY - BUFF DOLOMITE</u> 81-90 weak-mod reaction ZnO heavier reactions along fractures and in re-x-al rx v. rare vug in 81-120.9 section</p> <p><u>91-95.5 Weakly re-x-al dlm.</u> 91-95 Mod. strong ZnO reaction esp along fractures 92-93 Small qtz. blebs <u>95.5-99.5 Dolomite</u> cut by numerous cross cutting fractures, poss. very weakly re-x-al 95-99.5 Weak ZnO reaction</p> <p><u>100-105 Poss. weakly Re-x-al Dolomite with numerous py filled fractures</u> py limonite up to 5% in narrow veinlets or fractures, general trend parallel to core, qtz in stringers and blebs. Some sections are heavily oxidized, friable and limonitic Mod to strong ZnO reaction</p> <p><u>105-108 Broken and crumbly core, ext. heavy oxidation (limonitic) friable, May be in part brecciated fractures contain some py</u></p> <p><u>108 f.g. lt. grey - buff dlm., 1-2% small vugs past 109.5. minor qtz blebs (v. small)</u> No reaction to weak reaction ZnO sol.</p>					
		24676	90'	100'	10'	1.14%
		24677	100	108	8'	2.20%

HOLE No. 74-1

PROJECT Cypress/Brinex

Page 3 of 9

INCLINATION: -45°

AZIMUTH: 200°

COORDINATES: \_\_\_\_\_

SCALE: 1" = 10'

LOGGED BY: D.E. McHale

SECTION	DESCRIPTION	SAMPLING				ASSAY				
		No.	FROM	TO	FEET	Zn				
<p>120</p> <p>130</p> <p>140</p> <p>150</p> <p>160</p> <p>irreg. py filled fractures</p> <p>large qtz. lined vug x-0.6 1/8" long</p> <p>stygolite py. lim along surface Some clayey material above Some pass re-x-al of material</p> <p>core broken, some minor py and lim along cracks and fractures</p> <p>pass weakly re-x-al</p> <p>oxid. and broken py in fractures friable, strong ZnO reaction</p> <p>Pass weakly re-x-al 1/4" larger vugs, qtz. lined Ext. porous, vuggy, dlmnt x-al lined, strong reaction ZnO</p> <p>small vugs up to 2-2 1/2</p> <p>Small elongate impurities mud-silled almost ⊥ to core</p>	108-120	No reaction to ZnO solution								
	120.9-130	Weak to mod. Re-x-al Dolomite 1-2% small vugs often qtz lined No-weak reaction ZnO sol								
	130-135	F.G.-M.G. BUFF-LT. GREY DOLOMITE 1/2% - 1% small vugs								
	130.5-131.5	Heavily oxidized, friable, crumbly dlmnt. Mod reaction ZnO, some py in fractures								
	131.5-132	Poss. brecciated or re-x-al dolomite, rounded py and py in fractures 1/2" to core								
	131.5-148	Mod-Strong ZnO reaction								
	135-135.9	BRECCIA Ang. frags 1/4"-1 1/2" long Cementing material & frags calcareous								
	135-164	LALCAREOUS F.G.-M.G. LT. GREY-BUFF DOLOMITE 148-164 Mod- strong reaction ZnO sol.			24678	143	152.5	9.5	0.31	
	164-177	F.G.-M.G. LT. GREY-BUFF DOLOMITE reacts mod well ZnO sol in cracks and fractures, rx reacts weakly Minor very small vugs, very few fractures approx parallel to core								



HOLE No. 74-1

PROJECT Cypress/Brinex

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INCLINATION: -45°

AZIMUTH: 200°

COORDINATES: \_\_\_\_\_

SCALE: 1":10'

LOGGED BY: D.E. McHale

SECTION	DESCRIPTION	SAMPLING			ASSAY	
		No.	FROM	TO	FEET	Zn
<p>More limonitic material appearing in rd at 232.5. Occasional small 1" wide of veining irreg py qtz. 1/2" x 1/2" bands mod. clay material. Also small 2" long along pad.</p> <p>Small zone of py. lim veining with dmt x-als, minor qtz. Strong ZnO.</p> <p>occas. lamar qtz lined vug, py in occas veinlet.</p> <p>py. limonite hairline veinlet.</p> <p>tr. py.</p> <p>few small vugs top part.</p> <p>fractures - irreg filled by dmt. minor py.</p> <p>py in fractures qtz bleb.</p> <p>Qtz vein 1/4" wide qtz x-als.</p> <p>Scattered py in irreg hairline veinlets and fractures.</p> <p>Some 1" long vugs, qtz x-als dmt x-als.</p> <p>2-3% small vugs.</p> <p>numerous irreg fractures occas tr. py.</p> <p>acid friable limonitic material. Some py contact 50', py along surface.</p>	<p><u>206-255 F.G.-M.G. BUFF- LT. GRAY DOLOMITE</u></p> <p>232.5-234 strong to ext. strong reaction ZnO in small py, qtz veins</p> <p>234-239 No reaction to weak reaction ZnO</p> <p>239-249 No reaction to weak reaction except along cracks where mod. strong ZnO along veinlet</p> <p>249-255 Mod to strong on some fracture or crack surfaces. Rx is generally weakly reactive</p>					
	<p><u>255-257.5 DOLOMITE BRECCIA</u></p> <p>Lt. gray ang. dmt (up to 1" long) in blue gray f.g. groundmass. Mod. reaction ZnO to strong reaction along fractures.</p>					
	<p><u>257.5-263 F.G.-M.G. BUFF- LT. GRAY DOLOMITE</u></p> <p>mod. strong ZnO reaction</p>					
	<p><u>263-274 DOLOMITE BRECCIA</u></p> <p>lt. gray ang frags some quite large up to 2" long, most 1/2" in blue grey groundmass. Mod. strong ZnO reaction tr. py.</p>	24681	260	270	10	0.62%
	<p><u>274-275.5 Aphanocrystalline DOLOMITE</u></p> <p>extremely dense, reacts weakly-mod.</p>					
	<p><u>275.5-277 DOLOMITE BRECCIA</u></p> <p>Mod. strong reaction</p>	24682	270	280	10	0.80%
	<p><u>277-280 Very weakly Re-x-al in part? brecciated DOLOMITE</u></p> <p>Mod. ZnO reaction, except in cracks and vugs where strong</p>					
	<p><u>280-289.3 Aphano-M.G. LT. GRAY-BUFF DOLOMITE</u></p> <p>In part may be very slightly re-x-al. Appears to have been fractured then re-cemented. Weak ZnO reaction</p>					
	<p><u>289.3-290.2 ? DOLOMITE BRECCIA</u></p> <p>1/2" long frags lt. gray dmt in blue grey dmt. Weak ZnO reaction</p>					

HOLE No. 74-1

PROJECT Cypress / Brinex

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INCLINATION: -45°

AZIMUTH: 200°

COORDINATES: \_\_\_\_\_

SCALE: 1" : 10'

LOGGED BY: D.E. McHale

SECTION	DESCRIPTION	SAMPLING			ASSAY			
		No.	FROM	TO	FEET			
290	py and limonite 2-3% scattered acid py limonitic friable material < 1/4% to py							
	<u>289.3 - 290.2 ? DOLOMITE BRECCIA</u>							
	<u>290.2 - 299 Aphano - M.G. LT. GREY - BUFF DOLOMITE</u> Highly fractured and may in part be weakly brecciated or re-x-al weak - no reaction ZnO stronger ZnO (to mod reaction) near py							
	<u>299 - 300 DOLOMITE BRECCIA</u> Small lt. grey ang. frags (up to 0.5 in long) in blue grey groundmass (dint.) weak ZnO reaction							
300	about 30% acid material py limonite in irreg networks strong ZnO reaction							
	<u>300 - 347 F.G. - M.G. LT. GREY - BUFF DOLOMITE</u> weak to no reaction, numerous hair-line cracks, fractures Heavier reaction along some cracks with py							
	304-307 About 40-50% limonitic material strong ZnO reaction							
	307-311 Sil portions usually as blebs							
310	tr. py. vugs up to 2% with occas large vugs lined by qtz, dint							
	<u>313-317 ? Poss. weakly re-x-al dolomite</u> local conc of up to 2-3% py in irreg bands or veinlets weak ZnO reaction							
320	py dissem and veinlets up to 5% styalites minor py minor vugs							
330								
340	<u>347-363 MED GREY F.G. - M.G. POSS VERY WEAKLY RE-X-AL DOLOMITE</u> mottled colouring No reaction to weak reaction ZnO							
	core broken, limonitic friable material mod strong ZnO few qtz lined vugs styalite							







# Brinex

HOLE No. 74-2

PROJECT Cypress/Brinex

Page 1 of 5

LOCATION: Vega Bonnet Plume River

COORDINATES: 23,452,103.33 N , 328,907.40 E

ELEVATION: 3898.5

INCLINATION: -45° AZIMUTH: 200°

LENGTH: 252 ft.

HORIZ. PROJ.: \_\_\_\_\_ VERT. PROJ.: \_\_\_\_\_

CORE SIZE: BQ RECOVERY: 87 %

SURVEY		
LENGTH	DIP	AZIMUTH

HOLE STARTED: July 31, 1974

HOLE COMPLETED: August 1, 1974

DRILLED BY: Arctic

BRINEX REPORT No.: \_\_\_\_\_

N.T.S. 106 d7 U.T.M.

SCALE: 1" = 10'

LOGGED BY: D.E. McHale

SECTION	DESCRIPTION	SAMPLING			ASSAY			
		No.	FROM	TO	FEET	Zn		
0	<u>0 - 14'</u> <u>OVERBURDEN</u>							
10	14.5-15.0 Breccia? frag. up to 0.5" subrounded, subang extremely weakly recrystallized dolomite							
20	<u>14 - 41</u> <u>DOLOMITE</u> fine grained - medium grained, light grey dolomite no reaction - weak reaction ZnO solution	24683	14	25	11	.04		
30	stylolite recrystallized dolomite, large vugs with quartz crystals, minor clay? smithsonite pos. & weakly recrystallized dolomite	24684	25	35	10	.23		
40	pos. fault, angle to core can not be determined because of broken core, clayey gouge material on some surfaces, weakly recrystallized dolomite							
	<u>32.5 - 35.0</u> Limonitic, dense, aphano - fine grained <u>DOLOMITE</u> in part, similar to Vega Trench rock weak ZnO reaction	24685	35	45	10	.05		
	<u>41 - 71</u> <u>DOLOMITE</u> fine grained - medium grained, light grey - buff dolomite small vugs ≈ 1%, could be weakly recrystallized in some portions no reaction to weak reaction Mod ZnO 57-58; 63-64							
	small-medium sized vugs recrystallized (weakly) dolomite							
	few small vugs							



HOLE No. 74-2

PROJECT Cypress/Brinex

Page 3 of 5

INCLINATION: -45°

AZIMUTH: 200°

COORDINATES: \_\_\_\_\_, \_\_\_\_\_

SCALE: 1":10'

LOGGED BY: D.E. McHale

SECTION	DESCRIPTION	SAMPLING				ASSAY		
		No.	FROM	TO	FEET	Zn		
110								
110-118	DOLOMITE recrystallized, 2-3% small vugs, lined by dolomite or quartz no reaction or weak reaction ZnO, heavier reaction along some crack surfaces	24692	105	115	10	.06		
118-123	DOLOMITE weakly recrystallized, silicified, 10-15% quartz as blebs, fine grained - medium grained, mottled buff - light grey, 5-7% small vugs no reaction - weak reaction ZnO solution	24693	115	125	10	.04		
123-186	DOLOMITE fine grained - medium grained, buff - light gray dolomite occas. veinlet of dolomite, few scattered vugs, maybe very slightly recrystallized in part weak to no reaction except along some cracks were moderate	24694	125	135	10	.03		
130	irreg. dlmt. veinlets tr. py stylolites tr. py. angle undetermined 1" wide band dense, ophano. quartz + chal. large quartz blebs							
140	2% small vugs large vug lined by dolomite 150 Mod. amt. fractures, weak breccia?							
150								
160	stylolite tr. py vugs							

HOLE No. 74-2

PROJECT Cypress/Brinex

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INCLINATION: -45°

AZIMUTH: 200°

COORDINATES: \_\_\_\_\_

SCALE: 1"=10'

LOGGED BY: D.E. McHale

SECTION	DESCRIPTION	SAMPLING			ASSAY			
		No.	FROM	TO	FEET			
<p>limonite, minor py stylonite, minor limonite, py weakly recrystallized dolomite stylonites, limonite along surfaces quartz blebs in recrystallized dolomite, unusual blue colour stylonite limonite and py, large vug lined by quartz, dolomite limonite, py, large cavity py, limonite lined hollow cavities, limonite, py limonite, py minor pyrite large cavity, dolomite lined stylonites, pyrite, limonite clay along surface 1/4" thick stylonites, minor py, some limonite</p>	<p><u>123-186</u> <u>DOLOMITE</u> (SEE PREVIOUS PAGE) 163-185 no reaction - weak reaction, poor reaction even where py occurs 186-204 weak - no reaction ZnO solution</p>							
	<p><u>186-187</u> <u>Recrystallized DOLOMITE</u></p>							
	<p><u>187-188</u> <u>Porous DOLOMITE Breccia</u></p>							
	<p><u>188-196</u> <u>Porous Recrystallized DOLOMITE</u></p>							
	<p><u>196-199.5</u> <u>Finegrained-mediumgrained buff-light grey DOLOMITE</u></p>							
	<p><u>199.5-200</u> <u>Porous recrystallized DOLOMITE</u></p>							
	<p><u>200-203</u> <u>Weakly recrystallized DOLOMITE</u></p>							
	<p><u>203-204</u> <u>finegrained-mediumgrained buff-ll. grey DOLOMITE</u></p>							
	<p><u>204-205.5</u> <u>Weakly recrystallized DOLOMITE</u></p>							
	<p><u>205.5-206.5</u> <u>fine grained-medium grained buff-light grey DOLOMITE</u></p>							
	<p><u>206.5-207.5</u> <u>weakly recrystallized Dolomite</u></p>							
	<p><u>207.5-217</u> <u>fine grained medium grained light grey DOLOMITE</u></p>							
	<p><u>217-217.5</u> <u>recrystallized DOLOMITE</u></p>							
	<p><u>217.5-218</u> <u>fine grained medium grained light grey DOLOMITE</u></p>							
	<p><u>218-227</u> <u>weakly recrystallized DOLOMITE</u></p>							
<p>(<u>204-227</u> weak to no reaction ZnO, except for some py, vug and limonite, around which reaction is mod. to strong.)</p>								











HOLE No. 74-3

PROJECT Cypress/Brinex

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INCLINATION: -40°

AZIMUTH: 200°

COORDINATES: \_\_\_\_\_

SCALE: 1":10'

LOGGED BY: D.E. McHale

SECTION	DESCRIPTION	SAMPLING			ASSAY			
		No.	FROM	TO	FEET	Zn		
230 	<p><u>236-241</u> <u>DOLOMITE</u> Massive, fine grained, dense no reaction ZnO solution</p> <p><u>241-275</u> <u>DOLOMITE</u> Moderately to strongly recrystallized mottled bluish gray and light gray wavy bedded, thin beds or bands almost 90° to core weak to no reaction ZnO solution</p> <p><u>275-288</u> ? <u>DOLOMITE BRECCIA</u> ? moderately recrystallized angular fragments in light gray groundmass ≅ 1% vugs, small to 1/2 inches long some quartz lined or filled. Trace amounts sphalerite weak to moderate ZnO reaction, especially in vugs or cracks or where material was introduced</p> <p><u>288-293</u> <u>DOLOMITE</u> Similar to 241-275, wavy banded weak to no reaction</p>	<p>24707</p> <p>24708</p>	<p>265</p> <p>265</p>	<p>270</p> <p>265</p>	<p>5.0</p> <p>5.0</p>	<p>0.03%</p> <p>0.04%</p>		

HOLE No. 74-3

PROJECT Cypress/Brinex

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INCLINATION: -40°

AZIMUTH: 206°

COORDINATES: \_\_\_\_\_

SCALE: 1"=10'

LOGGED BY: D.E. McHale

SECTION	DESCRIPTION	SAMPLING			ASSAY	
		No.	FROM	TO	FEET	Zn
290						
	293-306.8 <u>DOLOMITE BRECCIA</u> Strongly recrystallized buff-bluish grey up to 10% in top portion, as vugs and in fillings 1-2% vugs, except where sphalerite rich, dense	24704	292.1	298.6	6.5	0.27
300	1-2% sphalerite in veinlets sphalerite as infilling 1-2% sphalerite	24704	298.6	302.9	4.3	20.00
	300-301.1 10% sphalerite 301.1-302.8 50% sphalerite					
	306.8-314 <u>DOLOMITE</u> moderate to strongly recrystallized mottled bluish gray and light grey wavy banded, thin beds or bands, approx. 80-90° to core weak to no reaction ZnO solution	24705	302.9	310	7.1	0.06
310						
	314-336 Breccia 2-2% small vugs wavy banded dolomite Breccia 5% small vugs, 1-2% fine wavy banded dolomite Breccia, minor quartz sp. 1-1% weakly-moderately recrystallized dolomite, 4-7-1% sphalerite, 2-3% small vugs Breccia 1-2% vugs 2-2% quartz infillings or blebs sphalerite along fragment edges 1-1% pyrite Wavy banded dolomite Wavy banded dolomite minor sphalerite quartz grains wavy banded dolomite wavy banded dolomite					
320						
	<u>DOLOMITE BRECCIA</u> Recrystallized, angular and irregular shaped fragments (dark in colour) in light coloured groundmass. Fragments .1 inch long to a few inches long. Some limonitic stain reacts moderately to strongly	24706	320	330	10.0	0.23%
330						
	<u>DOLOMITE</u> Weakly, moderately recrystallized light grey in colour Cut by narrow dolomite crystal lined veinlets Weak to no reaction ZnO solution					
340						
	336-362.5 <u>DOLOMITE BRECCIA</u> Weakly, strongly brecciated, some small sections wavy banded dolomite. Also some sections with high quartz content, some rounded quartz grains weak to moderate ZnO reaction					



# Brinex

HOLE No. 74-4

PROJECT Cypress/Brinex

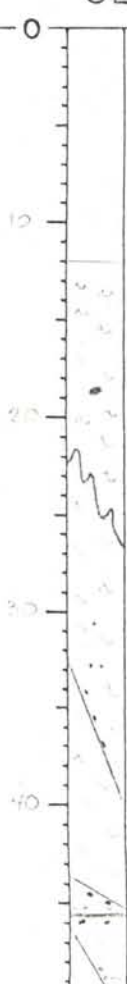
Page 1 of 8

LOCATION: Bonnet Plume River  
 COORDINATES: 23,449,284.97 N , 337,109.18 E  
 ELEVATION: 5458.2  
 INCLINATION: -45° AZIMUTH: 175°  
 LENGTH: 433'  
 HORIZ. PROJ.: \_\_\_\_\_ VERT. PROJ.: \_\_\_\_\_  
 CORE SIZE: BR RECOVERY: 89 %

		SURVEY	
LENGTH	DIP	AZIMUTH	

HOLE STARTED: August 8, 1974  
 HOLE COMPLETED: August 11, 1974  
 DRILLED BY: Arctic  
 BRINEX REPORT No.: \_\_\_\_\_  
 N.T.S. 1:10 U.T.M. \_\_\_\_\_  
 SCALE: 1:10  
 LOGGED BY: D.E. Melick

SECTION	DESCRIPTION	SAMPLING			ASSAY			
		No.	FROM	TO	FEET			
0	<u>0-10 OVERBURDEN</u>							
10	<u>10-12 TALUS BOULDER</u> Mostly recrystallized dolomite and silt.							
20	<u>12-44.5 DOLOMITE</u> Recrystallized, minor part show solution breccia effects. mottled light gray and bluish gray vugs: 1-2% small, minor quartz blebs, infillings no reaction except for some surface vugs moderate							
30	<u>44.5-48.5 DOLOMITE BRECCIA</u> Recrystallized and moderately to strongly brecciated (may be solution brecciation) mottled buff, light bluish gray and light gray minor vugs, but some small sections 2-3% vugs: reaction to ZnO solution, heavy moderate							
40	<u>48.5-123.7 DOLOMITE</u> Weakly recrystallized mottled light gray and buff, blebs of bluish gray vugs: 2-3%, small, no reaction to no reaction ZnO solution							







HOLE No. 74-4

PROJECT Cypress/Brinex

Page 4 of 8

INCLINATION: -45°

AZIMUTH: 175°

COORDINATES: \_\_\_\_\_

SCALE: 1:100

LOGGED BY: D-11-11

SECTION	DESCRIPTION	SAMPLING			ASSAY			
		No.	FROM	TO	FEET			
170	<p><u>123.7 - 172 DOLOMITE</u> See previous pages.</p> <p><u>172 - 184 DOLOMITE</u> Weakly recrystallized, light gray to buff, fine grained minor small vugs, no reaction ZnO solution</p> <p><u>184 - 189 DOLOMITE</u> Strongly to extremely strongly recrystallized white quartz infilling between dolomite dolomite Some large vugs weak to moderate ZnO reaction, strong in small areas.</p> <p><u>189 - 194 DOLOMITE</u> (f.g. light gray) similar to 172-184</p> <p><u>194 - 204 DOLOMITE</u> Moderately recrystallized mottled bluish gray and light gray massive, in part may be wavy bedded no reaction ZnO solution</p> <p><u>204 - 281 DOLOMITE</u> Moderately recrystallized mottled light gray and bluish gray less, fine grained sections of light, thinly bedded by bluish gray dolomite</p>							
180	<p>Some section light gray dolomite</p> <p>left section dolomite with 1/2 by 1/2 inch and 1/4 inch dolomite</p>							
190	<p>170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325 330 335 340 345 350 355 360 365 370 375 380 385 390 395 400 405 410 415 420 425 430 435 440 445 450 455 460 465 470 475 480 485 490 495 500 505 510 515 520 525 530 535 540 545 550 555 560 565 570 575 580 585 590 595 600 605 610 615 620 625 630 635 640 645 650 655 660 665 670 675 680 685 690 695 700 705 710 715 720 725 730 735 740 745 750 755 760 765 770 775 780 785 790 795 800 805 810 815 820 825 830 835 840 845 850 855 860 865 870 875 880 885 890 895 900 905 910 915 920 925 930 935 940 945 950 955 960 965 970 975 980 985 990 995 1000</p>							
200	<p>solution brecciated frags.</p> <p>horizontal bed of 1/2 - 1/4 inch thin bedded</p>							
210	<p>206-214 left section dolomite reaction zone bedding solution brecciated</p> <p>left section deformation and crystallization</p> <p>veinlet dolomite crystals in left section</p>							
220	<p>veinlet dolomite crystals in left section</p>							



HOLE No. 74-4

PROJECT Cypress/Brinex

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INCLINATION: -45°

AZIMUTH: 175°

COORDINATES: \_\_\_\_\_, \_\_\_\_\_

SCALE: 1" = 10'

LOGGED BY: DeMott

SECTION	DESCRIPTION	SAMPLING			ASSAY			
		No.	FROM	TO	FEET	%Zn		
290 	<u>281 - 298.5</u> <u>DOLomite</u> Strongly recrystallized, colloform texture. quartz infillings, sphalerite along "rim" of fragments - also along stylolite. solution brecciation textures in some areas. rock is predominantly buff in colour < 1/2% vugs, usually small. weak ZnO reaction, except where mineralized strong.							
310 siliceous dolomite 315-322.5 2 inches sphalerite 3% matrix filled by white, normal, moderate ZnO reaction. appearance of sphalerite.	<u>298.5 - 306</u> <u>DOLomite</u> Moderately recrystallized, mottled light gray and bluish gray, dense, fine grained no ZnO reaction.	24096	313	322.5	9.5'	1.38		
320 strongly recrystallized and brecciated dolomite.	<u>306 - 322.5</u> <u>DOLomite</u> Similar to 281 - 298.5. strongly recrystallized.							
330 light grey dolomite bluish grey dolomite blebs mass brecciated, strongly fractured by hairline cracks moderate ZnO reaction fracture filled with white dolomite.	<u>322.5 - 332</u> <u>DOLomite</u> Moderately recrystallized, mottled light gray and bluish gray, dense, fine grained no ZnO reaction.							
340 medium gray dolomite	<u>332 - 352</u> <u>Silicified DOLomite</u> Weakly recrystallized few small areas moderate; mottled buff and light grey small vugs 1/2-1% no reaction ZnO solution. Silicified in blebs but also massive.							

HOLE No. 74-4

PROJECT Cypress/Brinex

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INCLINATION: -45

AZIMUTH: 175°

COORDINATES: \_\_\_\_\_

SCALE: 1:10'

LOGGED BY: DE MCK.

SECTION	DESCRIPTION	SAMPLING				ASSAY		
		No.	FROM	TO	FEET	% Zn		
350	large quartz infilling minor sphalerite							
	mottled bluish grey, lt grey dolomite							
	large quartz infillings 1/2-1 1/2 sphalerite							
360	mottled bluish grey, lt grey dolomite							
	large quartz infilling 1 1/2 sphalerite							
	narrow elongate lens of detrital quartz grains							
	mottled bluish grey and light grey							
	large quartz infillings, sphalerite, minor silicates							
370	large quartz infillings							
	large quartz infillings, sphalerite, minor silicates							
	stibnite							
	detrital quartz							
	DMS recrystallized, extremely recrystallized, quartz infilled sphalerite 1/2 and pyrite							
380	no trace of recrystallized material, quartz infillings, minor amount sphalerite							
	weakly recrystallized section							
	stibnite, minor amount pyrite, quartz, minor blebs, minor sphalerite							
390	392.5 - 393.5 4 1/2 in. sphalerite							
	quartz infilling, sphalerite, minor pyrite, 0.5 inch sp. over blebs							
	Trace sphalerite occur with quartz over 0.5 inch in recrystallized material							
400								
	bluish grey, lt grey mottled dolomite							
	bluish grey, lt grey mottled dolomite							

352 - 402 DOLOMITE

Similar to 332-352 but not silicified as completely. Quartz occurs as infillings, as dense masses also as small rounded blebs (poss. detrital quartz grains mottled buff and light grey; weakly recrystallized no reaction ZnO solution.

24697

350

355

5.0

0.11

24698

355

360

5.0

0.09

24699

367

372

5.0

0.14

24700

375

380

5.0

0.22

24701

390

395

5.0

0.84

24702

395

400

5.0

0.69

20.1 in. sp 397.5 - 398  
0.5 in. sp 398.8 - 399.6

402 - 410.5 DOLOMITE

Moderately to weakly recrystallized mottled bluish grey and light grey, some sections predom. lt grey. No reaction ZnO solution



HOLE No. 74-5

PROJECT Cypress/Brinex

Page 1 of 7

LOCATION: Bonnet Plume River  
 COORDINATES: 23,449,284.97 , 337,109.18  
 ELEVATION: 5458.2  
 INCLINATION: -45° AZIMUTH: 245°  
 LENGTH: 406  
 HORIZ. PROJ.: \_\_\_\_\_ VERT. PROJ.: \_\_\_\_\_  
 CORE SIZE: BQ RECOVERY: 95 %

		SURVEY
LENGTH	DIP	AZIMUTH

HOLE STARTED: August 13, 1974  
 HOLE COMPLETED: August 25, 1974  
 DRILLED BY: Arctic  
 BRINEX REPORT No.: \_\_\_\_\_  
 N.T.S. 106 2/7 U.T.M. \_\_\_\_\_  
 SCALE: 1"=10'  
 LOGGED BY: D.E. McVale

SECTION	DESCRIPTION	SAMPLING			ASSAY			
		No.	FROM	TO	FEET			
0	<u>0-12 Overburden</u>							
	<u>12-15 Talus Boulders</u> Mostly similar to 15-28. Few pieces heavily oxidized material							
10	<u>15-28 Dolomite</u> Moderately recrystallized fine grained, mottled lt. grey and bluish grey no ZnO reaction							
20	<u>28-55.5 Dolomite</u> Moderately recrystallized fine grained, mottled bluish grey and lt. grey Weak to no reaction ZnO 1-2% small vugs. Some vugs are quartz lined.							
30	small section bluish grey and lt. grey dolomite irregular limonite, py veinlets large limonite, py veinlet parallel to core							
40	weakly calcareous two small vugs filled with gypsum or anhydrite large irregular quartz blebs							





HOLE No. T4-5

PROJECT Cypress/Erizer

Page 4 of 7

INCLINATION: -45°

AZIMUTH: 245°

COORDINATES: \_\_\_\_\_

SCALE: 1"=10'

LOGGED BY: D.E. Mattale

SECTION	DESCRIPTION	SAMPLING				ASSAY		
		No.	FROM	TO	FEET	Zn		
170	<p><u>144 - 191</u> DOLOMITE</p> <p>See previous page</p>							
180	<p><u>191 - 206</u> DOLOMITE</p> <p>weakly recrystallized, fine grained, light grey to light grey with bluish grey patches, small vugs, some have quartz linings, rock may be silicified.</p>							
190	<p><u>206 - 212</u> DOLOMITE</p> <p>Moderately recrystallized - fine grained bluish grey and light grey, mottled, relatively hard, wavy banded to wispy</p>							
200	<p><u>212 - 224</u> DOLOMITE BRACCA</p> <p>strongly recrystallized and brecciated, light grey mottled by medium grey and bluish grey. First 5 feet appear to be transition zone (also few crystalline) gonopetal structure, weak to no reaction, ZnO solution, quartz inclusions</p>							
210	<p>211 - Large stylolite with residue above stylolite surface, ? gonopetal structure, other possible gonopetal structure, some above stylolite. Fragments of rock are floating over stylolite surfaces, giving a breccia like appearance</p>	24710	211.8	216.8	5.0	0.47%		
220	<p>6.5' to 218.5 = .7 in (1%)</p>	24711	216.8	220	3.2	1.01%		
220	<p><u>224 - 226</u> DOLOMITE</p> <p>similar to 206 - 212</p>	24712	220	225	5.0	0.29%		
	<p><u>226 - 242.5</u> DOLOMITE</p> <p>weakly to moderately recrystallized, fine grained light grey patchy with bluish grey, some mineralization, 1-2% small vugs, weak, no reaction, ZnO</p>							



HOLE No. 74-5

PROJECT Cypress/Brinex

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INCLINATION: -45°

AZIMUTH: 245°

COORDINATES: \_\_\_\_\_

SCALE: 1"=10'

LOGGED BY: D.E. McHale

SECTION	DESCRIPTION	SAMPLING			ASSAY		
		No.	FROM	TO	FEET	Zn	
<p>290</p>	<p><u>242.5 - 350</u> <u>DOLOMITE</u></p> <p>Moderately recrystallized, fine grained mottled bluish gray and light gray (dark bluish gray section 309-316) no reaction ZnO solution</p>						
	<p><u>336.3 - 338.0</u> <u>DOLOMITE BRECCIA</u></p> <p>Moderately-strongly recrystallized, poss. solution breccia fragments subangular, rimmed by light grey dolomite, medium grey dolomite, sphalerite and quartz; trace pyrite weak - no reaction ZnO solution</p>	24752	335'	340'	5.0'	0.04%	
	<p><u>343.0 - 344.0</u> <u>DOLOMITE BRECCIA</u></p> <p>Angular fragments, in part, intraformational breccia? Midst-dry along stylolitic surfaces, prob. geopetal structures, rare quartz bleb or grain ? py</p>	24753	341'	346'	5.0'	0.02%	
	<p>345-346 medium bluish grey and light grey, 347-348 wavy</p>						

HOLE No. 74-5

PROJECT Cypress / Brinex

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INCLINATION: -45°

AZIMUTH: 245°

COORDINATES: \_\_\_\_\_

SCALE: 1"=10'

LOGGED BY: D&McH

SECTION	DESCRIPTION	SAMPLING				ASSAY		
		No.	FROM	TO	FEET	Zn		
350	<p>narrow bands of grey dolomite trace sphalerite stibnite 1/2-1% pyrite in subrounded cubes speck galena 2" band solution breccia 2 narrow bands solution breccia contact</p>							
360	<p>350 - 355.3 <u>DOLOMITE Breccia(?)</u> Moderately - strongly recrystallized, poss. early stages of solution brecciation weakly developed light and dark color dolomite rimming, surface dotted by 2-3% small pits some quartz infilling; weakly siliceous weak to no reaction ZnO solution, except for some moderate reaction along cracks</p>							
370	<p>355.3 - 359 <u>DOLOMITE</u> weakly recrystallized, fine grained light grey, 2-3% rounded, scattered quartz grains no ZnO reaction</p>	24755	363	368	5.0'	0.15%		
380	<p>359 - 371 <u>DOLOMITE</u> moderately recrystallized; fine grained; mottled bluish grey and light grey, wavy and wispy banded no reaction ZnO solution</p>	24756	371'	374'	3.0'	0.04%		
390	<p>371 - 373 <u>DOLOMITE BRECCIA</u> Moderately - strongly recrystallized, solution breccia, small vugs (1-2% over small area, some have quartz lining) no reaction ZnO solution</p>							
400	<p>373 - 382.6 <u>DOLOMITE</u> weakly recrystallized, fine grained, lt. grey, coarse to medium quartz grains (sim to 355.3 - 359) no reaction ZnO solution</p>	24757	385'	390'	5.0'	0.55%		
	<p>382.6 - 393 <u>DOLOMITE (wavy banded)</u> sim. to 359 - 371 No reaction ZnO solution</p>	24758	390'	395'	5.0'	0.16%		
	<p>393 - 399 <u>DOLOMITE (lg. light grey)</u> (sim. to 355.3 - 359) No reaction ZnO solution</p>							
	<p>399 - 406 <u>DOLOMITE (wavy banded)</u> sim to 359 - 371 no reaction ZnO solution</p>							
	<p>406 END OF HOLE</p>							

HOLE No. 74-6

PROJECT Cypress/Brinex

Page 1 of 8

LOCATION: Bonnet Plume River  
 COORDINATES: 23,449,408.38 N , 336,279.19 E  
 ELEVATION: 5560.6'  
 INCLINATION: -45° AZIMUTH: 200°  
 LENGTH: 465'  
 HORIZ. PROJ.: \_\_\_\_\_ VERT. PROJ.: \_\_\_\_\_  
 CORE SIZE: BQ RECOVERY: 93.4 %

SURVEY		
LENGTH	DIP	AZIMUTH

HOLE STARTED: August 26, 1974  
 HOLE COMPLETED: August 28, 1974  
 DRILLED BY: Arctic  
 BRINEX REPORT No.: \_\_\_\_\_  
 N.T.S. 10607 U.T.M. \_\_\_\_\_  
 SCALE: 1" = 10'  
 LOGGED BY: D.E. McHale

SECTION	DESCRIPTION	SAMPLING			ASSAY			
		No.	FROM	TO	FEET	Zn		
0	0-11 Overburden							
10	11-12.5 Mudstone-Siltstone medium gray, massive, (core broken)							
20	12.5 - 35.5 Impure Dolomite Clayey, massive to thinly laminated fine grained, bluish grey impure dolomite. Small scale intraformational brecciation also? intraformational conglomerate. Large percentages of pyrite over short distances. Calcite in "lobes" and cracks or fractures. Disseminated sphalerite. No reaction ZnO solution							
30	35.5 - 65.0 DOLOMITE BRECCIA Strongly recrystallized, Solution Breccia, mottled buff-grey and bluish grey. Pyrite and Sphalerite grains in gritty material along stylolites. Infilling show outside rims of white dolomite(?) with quartz (translucent white) centers. Occas. small yugs with white linings, pers. dolomite crystals ? gravity sitting of sphalerite crystals, sphalerite pale yellow green Strong to extremely strong ZnO reaction in restricted areas other no reaction to weak Some dark grey material, which appears to be clay? between 46-49.	24719	27.0'	35.0'	8.0'	0.18		
40	5" sphalerite over 3' (35.5'-38.5')	24720	35.0'	40.0'	5.0'	1.94		



HOLE No. 74-6

PROJECT Cypress/Brinex

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INCLINATION: -45°

AZIMUTH: 200°

COORDINATES: \_\_\_\_\_

SCALE: 1":10'

LOGGED BY: D.E. McH

SECTION	DESCRIPTION	SAMPLING			ASSAY			
		No.	FROM	TO	FEET			
<p>120</p> <p>130</p> <p>140</p> <p>150</p> <p>160</p>	<p>100% pyrobitumen filling 1/2" wide 2-3% vugs</p> <p>large light gray dolomite patch small quartz infilling narrow band dark gray dolomite small quartz infilling small vugs slight ZnO patch light gray dolomite</p> <p>light gray nodular, granular dolomite, quartz, ZnO</p> <p>Fe-rich infillings</p> <p>narrow band dark gray dolomite</p> <p>157-160.5 <u>DOLOMITE</u> weakly recrystallized, fine grained light gray - buff, no ZnO reaction</p> <p>160.5-169.5 <u>DOLOMITE</u> similar to 110-157 no ZnO reaction</p> <p>quartz infilling contact</p> <p>narrow band dark dolomite</p> <p>narrow band dark dolomite in contact with dolomite this material, dolomite has which was soft Sec. Below Fe-rich infillings, pyrobit. structures</p> <p>large infilling quartz, pyrobit.</p>							

HOLE No. 74-6

PROJECT Cypress / Brinex

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INCLINATION: -45°

AZIMUTH: 200°

COORDINATES: \_\_\_\_\_

SCALE: 1" = 10'

LOGGED BY: D&McK

SECTION	DESCRIPTION	SAMPLING			ASSAY			
		No.	FROM	TO	FEET	Zn		
170	<p>169.5 - 170.5 <u>DOLOMITE</u> weakly recrystallized, fine grained, light gray - buff no ZnO reaction</p>	24721	172	176	4.0'	0.16%		
180	<p>170.5 - 171.5 <u>DOLOMITE</u> weakly recrystallized, fine grained salt and pepper dark gray and light gray subangular inclusion of buff dolomite no ZnO reaction</p>							
190	<p>171.5 - 173.5 <u>DOLOMITE</u> weakly recrystallized, fine grained weak solution brecciation no ZnO reaction</p>							
200	<p>173.5 - 175.5 <u>DOLOMITE BRECCIA</u> moderately, strongly recrystallized, solution brecciation; buff - lt. gray with some darker gray patches dissem. pale green sphalerite, frequently along stylolites also some pyrite (minor), weak - no reaction ZnO, some mod. along mineralized parts</p>							
210	<p>175.5 - 183 <u>DOLOMITE</u> weakly recrystallized, fine grained mottled buff - light gray no ZnO reaction</p>							
220	<p>183 - 248.5 <u>DOLOMITE</u> weakly to moderately recrystallized, fine grained wavy to wispy banded bluish gray and light gray rare small vug no ZnO reaction</p>							



HOLE No. 74-6

PROJECT Cypress/Brinex

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INCLINATION: -45°

AZIMUTH: 200°

COORDINATES: \_\_\_\_\_

SCALE: 1"=10'

LOGGED BY: D2McH

SECTION	DESCRIPTION	SAMPLING			ASSAY			
		No.	FROM	TO	FEET	Zn		
295	<p>large quartz infilling ? sphalerite in hairline cracks and of small quartz wavy wavy banded vugs, &lt;1/16" sphalerite ? dolomite in hairline cracks with reaction</p>	24722	290'	296'	6.0'	0.20%		
295	<p>281 - 295 <u>DOLOMITE</u> Moderately recrystallized, fine grained, wispy to wavy banded mottled bluish gray and light grey to reaction ZnO solution</p> <p>295 - 297.5 <u>DOLOMITE</u> Moderately - strong recrystallized, solution breccia? buff - light grey quartz inclusions weak to moderate ZnO solution</p> <p>297.5 - 299.5 <u>DOLOMITE</u> sim to 281 - 295 (wavy banded)</p> <p>299.5 - 301 <u>DOLOMITE</u> sim to 295 - 297.5 ? solution breccia</p> <p>301 - 305.5 <u>DOLOMITE</u> weakly recrystallized, fine grained, pink-buff and light grey no reaction ZnO solution</p> <p>305.5 - 308 <u>DOLOMITE</u> (wavy banded) sim to 281 - 295</p> <p>308 - 380 <u>DOLOMITE</u> weakly - moderately recrystallized medium grey, light grey and buff some patches of wavy banded type dolomite minor reactions in some cracks ZnO solution</p>							
310	<p>(broken core)</p> <p>very patchy authodolomite small vugs small patches of gypsum 294 - 301 had reaction ZnO strongly banded</p> <p>301 - 305.5 <u>DOLOMITE</u> weakly recrystallized, fine grained, pink-buff and light grey no reaction ZnO solution</p> <p>305.5 - 308 <u>DOLOMITE</u> (wavy banded) sim to 281 - 295</p> <p>308 - 380 <u>DOLOMITE</u> weakly - moderately recrystallized medium grey, light grey and buff some patches of wavy banded type dolomite minor reactions in some cracks ZnO solution</p>							
320	<p>301 - 305.5 <u>DOLOMITE</u> weakly recrystallized, fine grained, pink-buff and light grey no reaction ZnO solution</p> <p>305.5 - 308 <u>DOLOMITE</u> (wavy banded) sim to 281 - 295</p> <p>308 - 380 <u>DOLOMITE</u> weakly - moderately recrystallized medium grey, light grey and buff some patches of wavy banded type dolomite minor reactions in some cracks ZnO solution</p> <p>301 - 305.5 <u>DOLOMITE</u> weakly recrystallized, fine grained, pink-buff and light grey no reaction ZnO solution</p> <p>305.5 - 308 <u>DOLOMITE</u> (wavy banded) sim to 281 - 295</p> <p>308 - 380 <u>DOLOMITE</u> weakly - moderately recrystallized medium grey, light grey and buff some patches of wavy banded type dolomite minor reactions in some cracks ZnO solution</p>							
330	<p>301 - 305.5 <u>DOLOMITE</u> weakly recrystallized, fine grained, pink-buff and light grey no reaction ZnO solution</p> <p>305.5 - 308 <u>DOLOMITE</u> (wavy banded) sim to 281 - 295</p> <p>308 - 380 <u>DOLOMITE</u> weakly - moderately recrystallized medium grey, light grey and buff some patches of wavy banded type dolomite minor reactions in some cracks ZnO solution</p> <p>301 - 305.5 <u>DOLOMITE</u> weakly recrystallized, fine grained, pink-buff and light grey no reaction ZnO solution</p> <p>305.5 - 308 <u>DOLOMITE</u> (wavy banded) sim to 281 - 295</p> <p>308 - 380 <u>DOLOMITE</u> weakly - moderately recrystallized medium grey, light grey and buff some patches of wavy banded type dolomite minor reactions in some cracks ZnO solution</p>							
340	<p>301 - 305.5 <u>DOLOMITE</u> weakly recrystallized, fine grained, pink-buff and light grey no reaction ZnO solution</p> <p>305.5 - 308 <u>DOLOMITE</u> (wavy banded) sim to 281 - 295</p> <p>308 - 380 <u>DOLOMITE</u> weakly - moderately recrystallized medium grey, light grey and buff some patches of wavy banded type dolomite minor reactions in some cracks ZnO solution</p> <p>301 - 305.5 <u>DOLOMITE</u> weakly recrystallized, fine grained, pink-buff and light grey no reaction ZnO solution</p> <p>305.5 - 308 <u>DOLOMITE</u> (wavy banded) sim to 281 - 295</p> <p>308 - 380 <u>DOLOMITE</u> weakly - moderately recrystallized medium grey, light grey and buff some patches of wavy banded type dolomite minor reactions in some cracks ZnO solution</p>	24723	339'	343'	4.0'	0.49%		
350	<p>301 - 305.5 <u>DOLOMITE</u> weakly recrystallized, fine grained, pink-buff and light grey no reaction ZnO solution</p> <p>305.5 - 308 <u>DOLOMITE</u> (wavy banded) sim to 281 - 295</p> <p>308 - 380 <u>DOLOMITE</u> weakly - moderately recrystallized medium grey, light grey and buff some patches of wavy banded type dolomite minor reactions in some cracks ZnO solution</p> <p>301 - 305.5 <u>DOLOMITE</u> weakly recrystallized, fine grained, pink-buff and light grey no reaction ZnO solution</p> <p>305.5 - 308 <u>DOLOMITE</u> (wavy banded) sim to 281 - 295</p> <p>308 - 380 <u>DOLOMITE</u> weakly - moderately recrystallized medium grey, light grey and buff some patches of wavy banded type dolomite minor reactions in some cracks ZnO solution</p>							

HOLE No. 74-6

PROJECT Cypress/Brinex

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INCLINATION: -45°

AZIMUTH: 200°

COORDINATES: \_\_\_\_\_

SCALE: 1" : 10'

LOGGED BY: DzMcH

SECTION	DESCRIPTION	SAMPLING			ASSAY			
		No.	FROM	TO	FEET			
350	few large vugs							
360	<p>small quartz inclusions, 2-3% vugs narrow band wavy banded dlm. contacts approx.                      patchy bluish gray, medium gray                      predom. light gray dolomite                      vuggy, med gray, weakly brecciated                      light gray massive dolomite                      buff gray dlm. 'white specks', qtz large vugs, quartz inclusions                      'wet sol. breccia' light gray dolomite</p>	<u>30B-380</u>	<u>DOLomite</u>					
370	<p>large vugs, quartz inclusions                      ? detrital quartz (qtz rich section)                      patchy buff gray dlm.                      wavy banded dolomite                      med. gray dolomite</p>							
380	<p>auth. dolomite, limonitic material                      med ZnO reaction                      few vugs</p>	<u>380-465</u>	<u>DOLomite</u>					
390	<p>small vugs, small quartz inclusions                      small pits, quartz conc. detrital</p>							
400	<p>auth. dolomite? in clayey material                      wavy banded dolomite</p>							







HOLE No. 74-7

PROJECT Cypress/Brinex

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INCLINATION: \_\_\_\_\_

AZIMUTH: \_\_\_\_\_

COORDINATES: \_\_\_\_\_

SCALE: 1"=10'

LOGGED BY: D. Mohl

SECTION	DESCRIPTION	SAMPLING			ASSAY				
		No.	FROM	TO	FEET				
110	<p>dense, fine, but generally dense sphyrolite</p> <p>sharp contact light gray dolomite, narrow band</p>	<u>59-116</u>	<u>DOLOMITE</u>						
	<p>weakly recrystallized, fine grained, mottled light gray and gray also buff, vuggy up to 5% vugs (small), pyrobitumen in some vug centers</p>								
120	<p>light gray wavy dolomite band</p>	<u>116-164</u>	<u>DOLOMITE</u>						
	<p>Moderately recrystallized, fine grained, mottled bluish gray and light gray, wavy to wispy banded</p>								
130	<p>light gray dolomite band</p>								
140	<p>light gray, in part distinctly "bedded" minor pyrobitumen and py. in part cherty?</p>								
150	<p>light gray dolomite, shingled wavy banded</p> <p>"laminated" v. thin "beds"</p>								
160	<p>gray dolomite, large V shaped dark bluish dolomite patch 2 horizontal thin "beds"</p>	<u>164-181</u>	<u>DOLOMITE</u>						
	<p>Weakly recrystallized, fine grained, light gray to medium gray in part vuggy. no ZnO reaction</p>								
	<p>small clay seams, minor dull dolomite</p> <p>mottled light gray and medium gray</p>								



HOLE No. 74-7

PROJECT Cypress/Brinex

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INCLINATION: -40°

AZIMUTH: 200°

COORDINATES: \_\_\_\_\_

SCALE: 1"=10'

LOGGED BY: DEM/H

SECTION	DESCRIPTION	SAMPLING			ASSAY			
		No.	FROM	TO	FEET			
<p>230</p> <p>240</p> <p>250</p> <p>260</p> <p>270</p> <p>280</p> <p>280.5</p> <p>285</p> <p>290</p> <p>295</p>	<p><u>200-275</u>      <u>DOLOMITE</u></p> <p>Moderately recrystallized; fine grained, mottled bluish gray to light gray, wavy and wispy banded weak to no reaction ZnO solution. Reaction in areas of sp.)</p> <p><u>275 - 280.5</u>      <u>DOLOMITE</u></p> <p>Weakly recrystallized, fine grained, light gray to medium gray. Etched sections: ? solution brecciation, mottled 'white' gray and bluish gray, some dissem. sp but in trace amounts. Some weakly developed calciferous texture questionable snow on the roof. Brecciated sections Silicified; weak to no ZnO reaction</p> <p><u>280.5 - 308</u>      <u>DOLOMITE</u></p> <p>Moderately recrystallized; fine grained, mottled bluish gray to light gray, wavy and wispy banded weak to no reaction ZnO</p>							
<p>light gray dolomite stylolite narrow band light gray blot very small vugs</p> <p>light gray to medium gray blot. with some small spotty &amp; patchy bluish gray</p> <p>light gray dolomite</p> <p>light gray dolomite parallel laminations</p> <p>parallel laminations</p> <p>poss. fracture fillings ? white dolomite</p> <p>narrow band light gray dolomite weak ZnO reaction ? sp</p> <p>trace sphalerite</p> <p>2 wavy banded, medium blot with bluish gray sp. bl. sp.</p> <p>some very small light gray blot fracture fillings</p> <p>light gray dolomite similar to breccia above</p>								

HOLE No. 74-7

PROJECT Cypress/Brinex

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INCLINATION: -40°

AZIMUTH: 200°

COORDINATES: \_\_\_\_\_

SCALE: 1:10'

LOGGED BY: D. McH

SECTION	DESCRIPTION	SAMPLING			ASSAY			
		No.	FROM	TO	FEET	Zn		
290	<p><u>280-305</u> <u>DOLOMITE</u></p> <p>Moderately recrystallized, fine grained, mottled bluish gray and light gray, wavy and wavy banded to ZnO reaction</p>							
300	<p>Four large vugs</p>							
310	<p><u>305-306</u> <u>DOLOMITE BRECCIA</u></p> <p>Strongly recrystallized, ? solution breccia mottled buff, light gray, bluish gray, Coliforme banding Sphalerite veins, quartz inclusions, restricted moderate ZnO reaction, generally no ZnO reaction</p>	24717	305	315	10.0'	1.44%		
320	<p><u>308-315</u> <u>DOLOMITE BRECCIA</u></p> <p>Similar to above 305-306 dolomite breccia, no ZnO reaction, limited moderate ZnO reaction</p>							
330	<p><u>315-324</u> <u>DOLOMITE</u></p> <p>Weakly recrystallized, light gray to medium gray, fine grained, 1-2% very small vugs (1/16")</p>							
340	<p><u>324-334.5</u> <u>DOLOMITE BRECCIA</u></p> <p>Strongly recrystallized, ? solution breccia. Some columnar banding, mottled buff, light gray, bluish gray Pyrite forms outside sphalerite on fringes of quartz inclusions sections of other rock types included as noted in section column. weak ZnO reaction</p>	24716	323	334	11.0'	1.15%		
	<p>wavy banded dolomite</p>							
	<p>2" sp 338.5-344.5</p>							
	<p>24.5 - 347.5 v. 9" sp</p>	24715	338.5'	347.5'	9.0'	1.58%		

HOLE No. 74-7

PROJECT Cypress/Brinex

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INCLINATION: -40°

AZIMUTH: 200°

COORDINATES: \_\_\_\_\_, \_\_\_\_\_

SCALE: 1:10'

LOGGED BY: D. McH

SECTION	DESCRIPTION	SAMPLING			ASSAY			
		No.	FROM	TO	FEET	Zn		
350	light gray dolomite 352-355 .3" sp.							
	Wavy banded dolomite light gray dolomite							
360	356-270.8 1.5 sphalerite patchy, tan gray dolomite stylolite weakly-mad. brecciated 1/2-1 1/4 vugs	24713	360	370	10.0'	2.09%		
370	weakly brecciated detrital quartz light gray dolomite fracture Wavy banded dolomite light gray dolomite, also in part mottled light gray-buff 7 vugs, recrystallized trace sphalerite stylolites 381.5 - 388 .2" sp. (few large vugs)	24714	370	380	10.0'	0.20%		
380	weakly brecciated? sandy colored elongate inclusions							
390	stylolite wavy banded dolomite fracture, sandy colored, vug-like mottled light gray-buff, light gray sulfid. dolomite							
400	stylolites wavy banded dolomite trace sphalerite stylolite wavy banded dolomite narrow clay seams							

324 - 384.5 DOLOMITE BRECCIA

Strongly recrystallized; ? solution breccia, some colloform banding, mottled buff, light gray, bluish gray. Pyrite forms outside sphalerite on "rims" of quartz in fillings, sections of other rock types as noted in section column  
weak ZnO reaction

384.5 - 448.5 DOLOMITE

Weakly-moderately recrystallized, fine grained, light gray to buff, sections of other rock types noted in section column. 1-2 1/2 small vugs  
weak-no reaction ZnO generally, some moderate reaction along cracks, sandy coloured patches

HOLE No. 74-7 PROJECT Cypress/Brinex

INCLINATION: -40° AZIMUTH: 200° COORDINATES: \_\_\_\_\_

SCALE: 1"=10' LOGGED BY: D. M. H.

SECTION	DESCRIPTION	SAMPLING		ASSAY
		No.	FEET	
410	 <p>wavy banded dolomite staining small voids wavy banded dolomite voids</p>			
420	 <p>wavy banded dolomite staining</p>			
430	 <p>core less due to core tube not testing light grey dolomite alteration voids</p>			
440	 <p>slight bluish grey color staining wavy banded trace siderite</p>			
450	 <p>wavy banded dolomite staining</p>			
460	 <p>wavy banded dolomite staining</p>			

394.5 - 448.5 DOLOMITE  
 weakly-moderately recrystallized, fine grained, light gray to buff, 1-2% small voids, sections of other rock types as noted in section column  
 weak to no reaction ZnO solution generally, some moderate reaction along joints and some colored patches

448.5 - 535 DOLOMITE  
 weakly recrystallized, fine grained, light gray, medium to buff, voids, 2-3% voids, also dolomite crystalline # fine grained

HOLE No. 74-7

PROJECT Cypress/Brinex

Page 9 of 10

INCLINATION: -40°

AZIMUTH: 200°

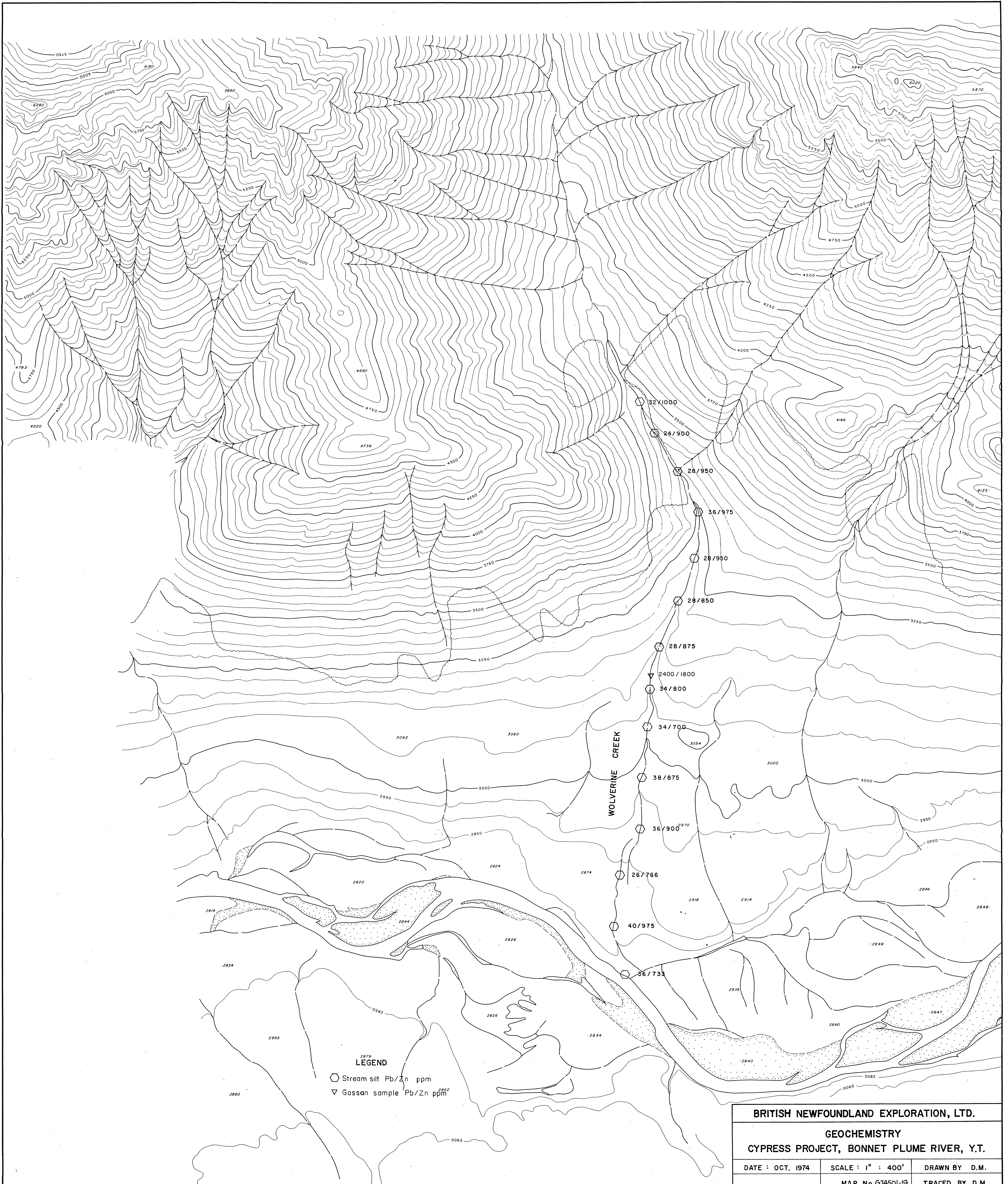
COORDINATES: \_\_\_\_\_

SCALE: 1"=10'

LOGGED BY: DeMott

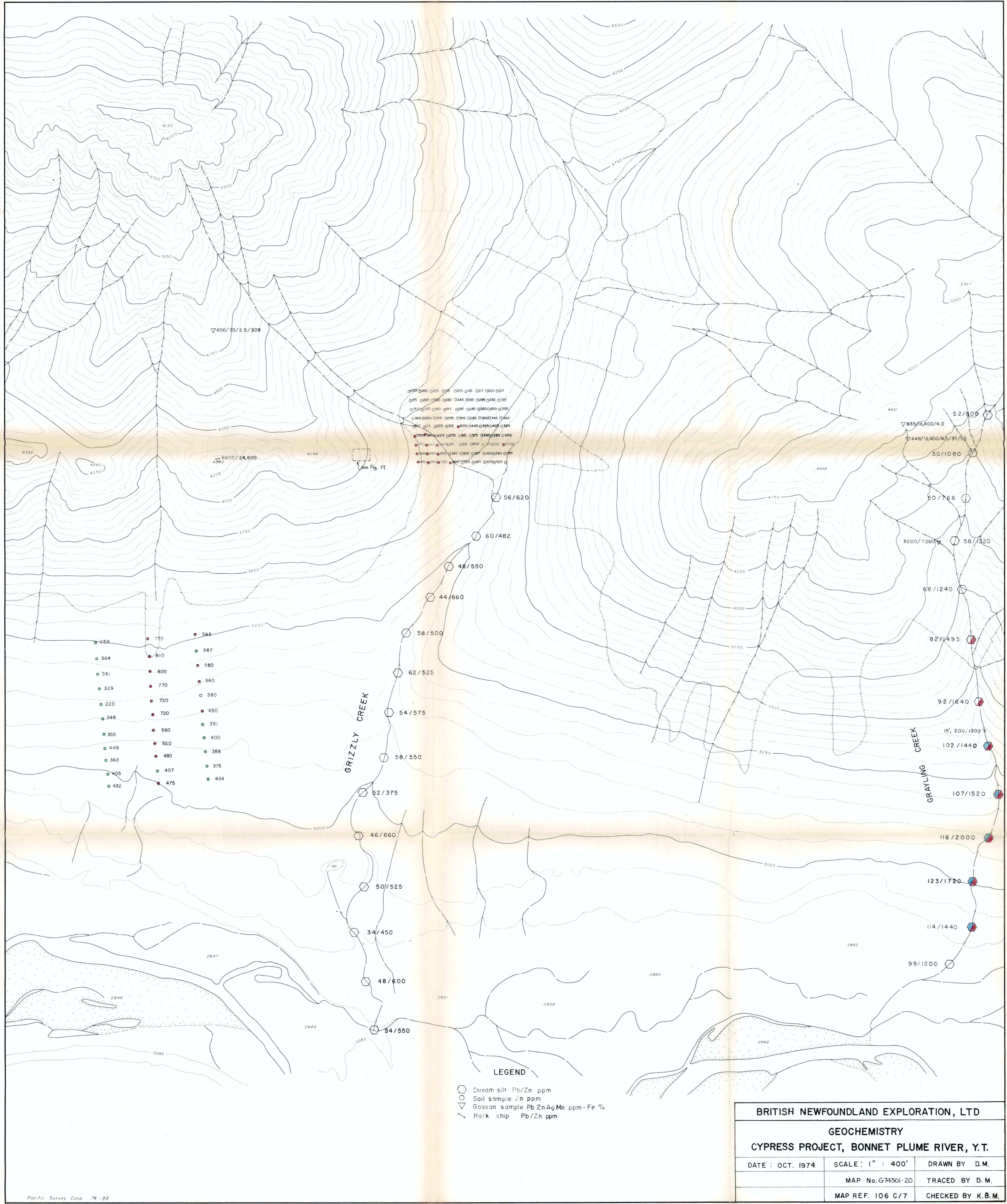
SECTION	DESCRIPTION	SAMPLING			ASSAY			
		No.	FROM	TO	FEET			
470 	<u>44B.5-535</u> • <u>DOLOMITE</u> Weakly recrystallized, fine grained, light gray minor light gray to buff, vuggy 2-3% vugs also ophanocrystalline to fine grained some was have quartz lining no reaction to weak reaction, weak reaction usually occurs where rock is sheared(?)							





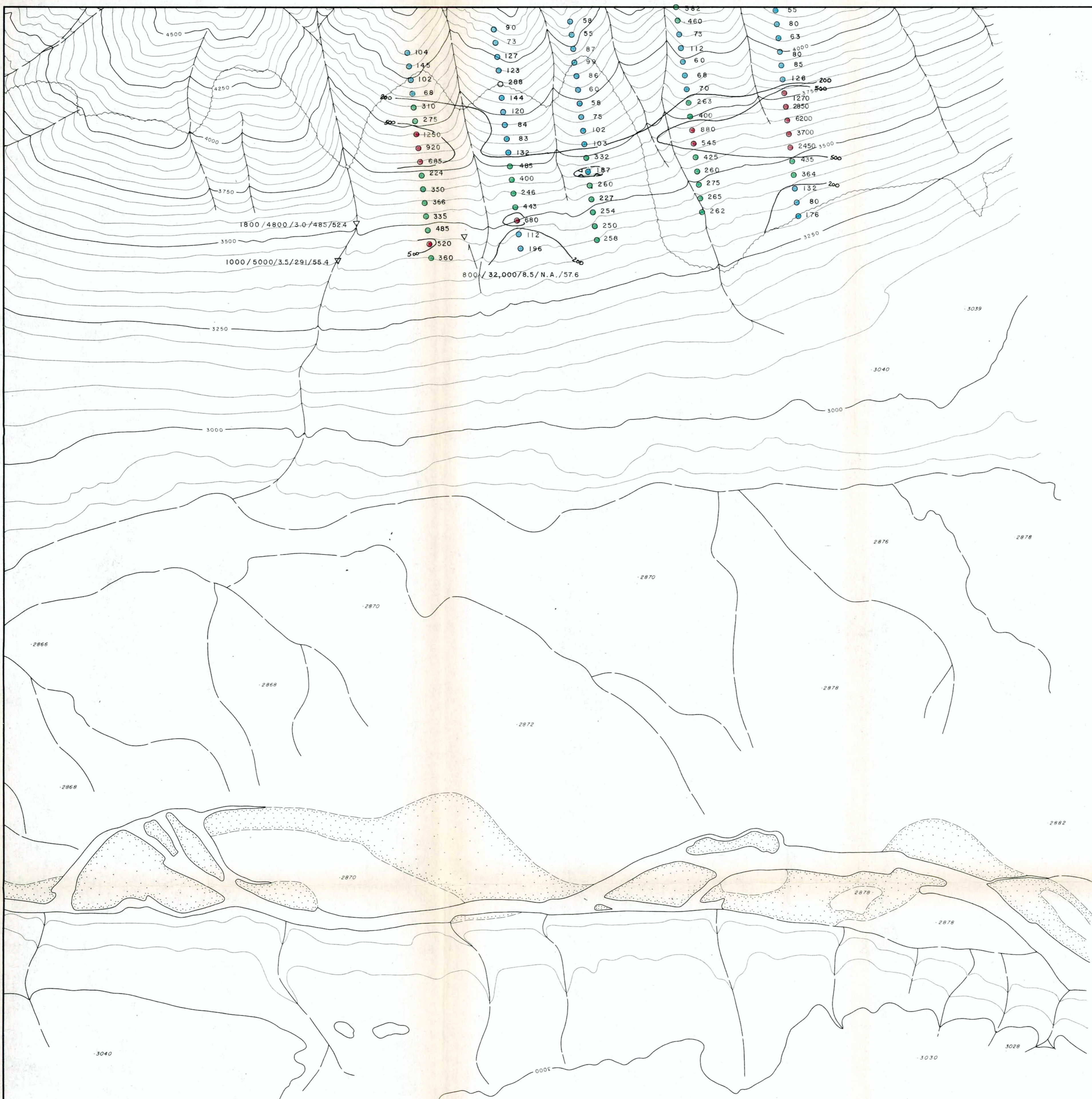
**LEGEND**  
 ○ Stream silt Pb/Zn ppm  
 ▽ Gossan sample Pb/Zn ppm

<b>BRITISH NEWFOUNDLAND EXPLORATION, LTD.</b>		
<b>GEOCHEMISTRY</b>		
<b>CYPRESS PROJECT, BONNET PLUME RIVER, Y.T.</b>		
DATE : OCT. 1974	SCALE : 1" : 400'	DRAWN BY D.M.
	MAP No. G14501-19	TRACED BY D.M.
	MAP REF. 106 C/7	CHECKED BY K.B.M.



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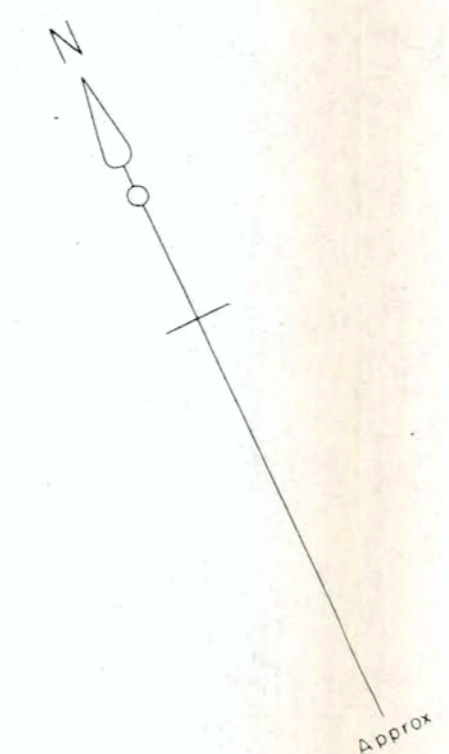
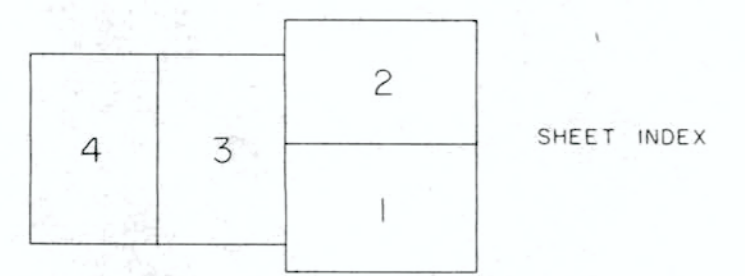
□ 500/1300

1800 / 4800 / 3.0 / 485 / 52.4  
 1000 / 5000 / 3.5 / 291 / 55.4

800 / 32,000 / 8.5 / N.A. / 57.6

LEGEND

- Soil sample Pb ppm
- ◊ Stream silt Pb/Zn ppm
- ▽ Gossan sample Pb Zn Ag Mn - ppm, Fe %
- Rock chip Pb/Zn ppm



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GEOCHEMISTRY		
CYPRESS PROJECT, BONNET PLUME RIVER, Y.T.		
DATE : OCT. 1974	SCALE : 1" : 400'	DRAWN BY D.M.
	MAP No. G74501-24	TRACED BY D.M.
	MAP REF. 106 C/7	CHECKED BY K.B.M.