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STYLE NO. 2x2-20B

INSERT EMULSION SIDE DOWN

DATE 010121

ASSIGNMENT

V. PRETO

503960

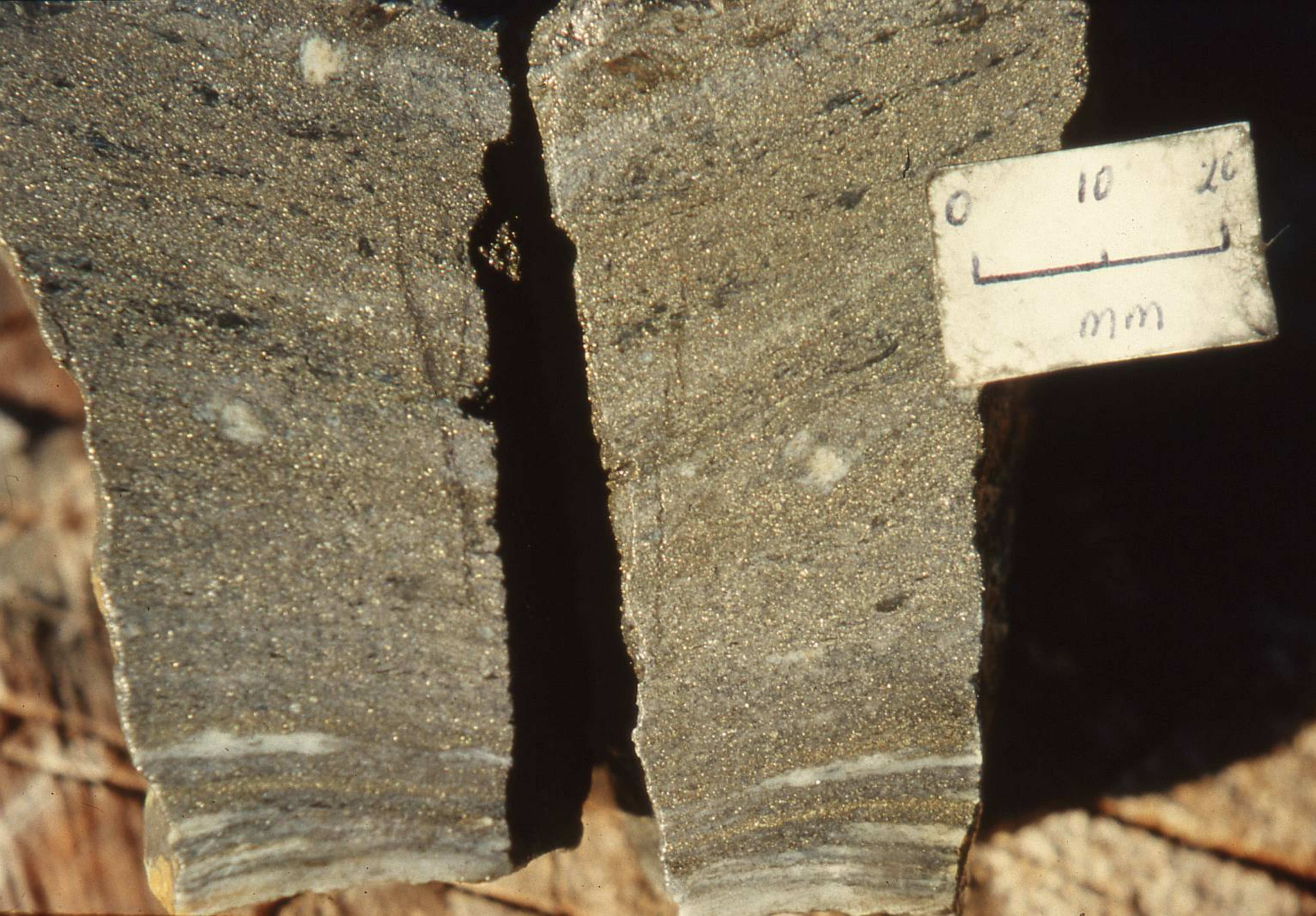
FILE NO.





Massive sulphides (sphalerite, tetrahedrite, boulangerite, bournonite) in mudstone, Contact Unit, 21B Deposit, Eskay Creek, DDH CA89-86: 82.5m.

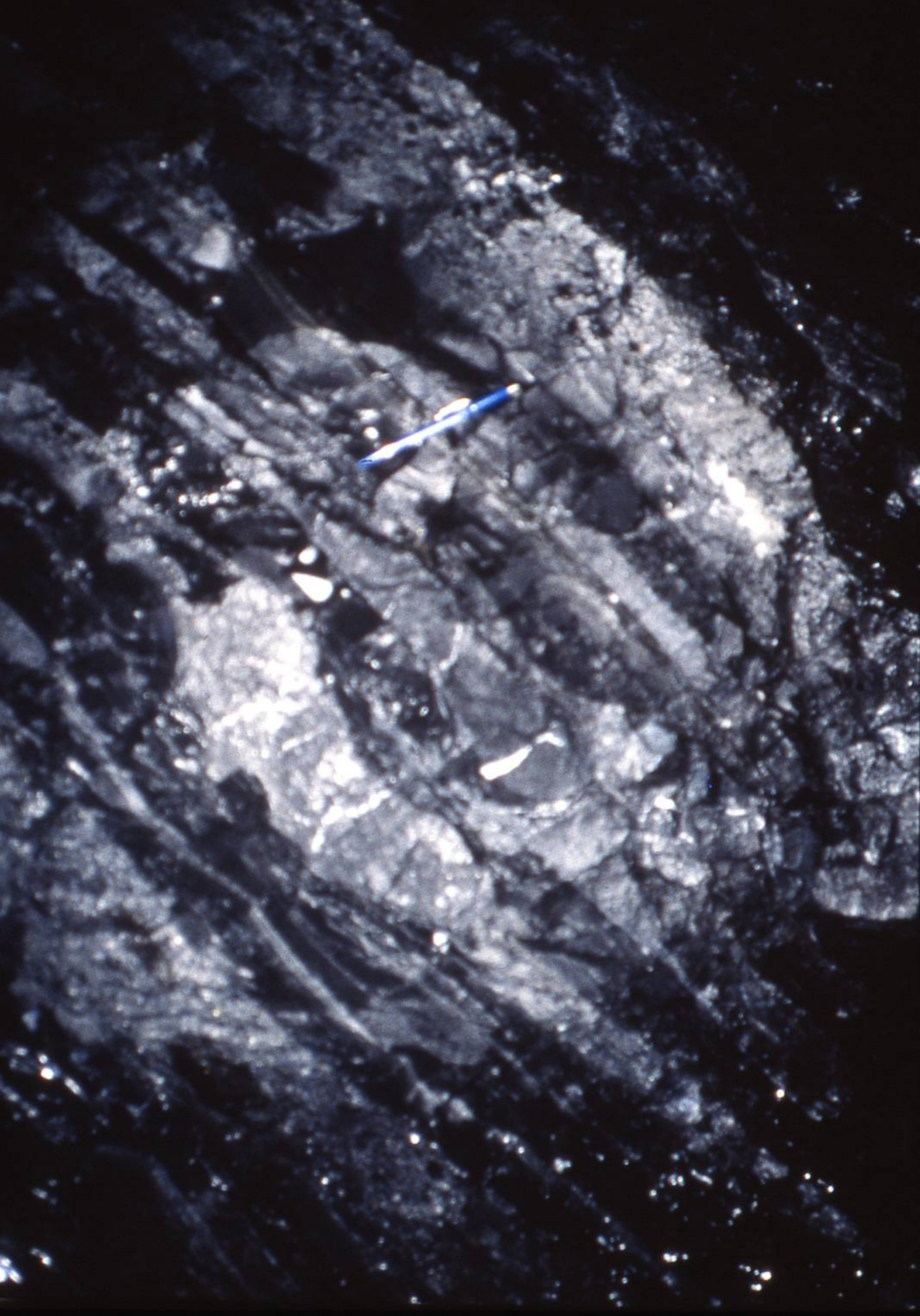




0 10 20  
mm

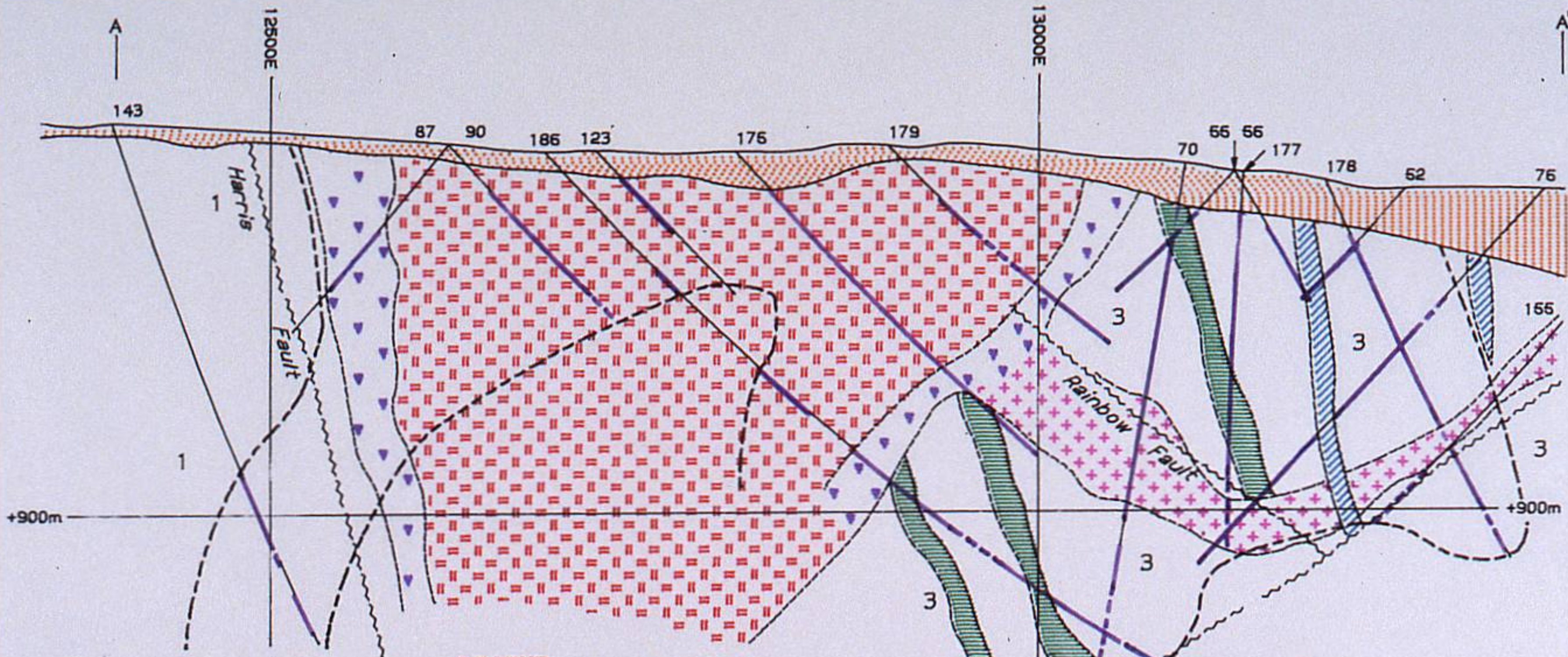





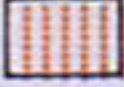






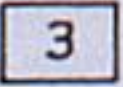

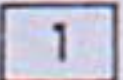


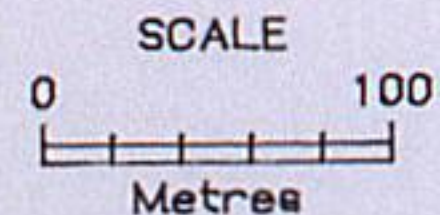






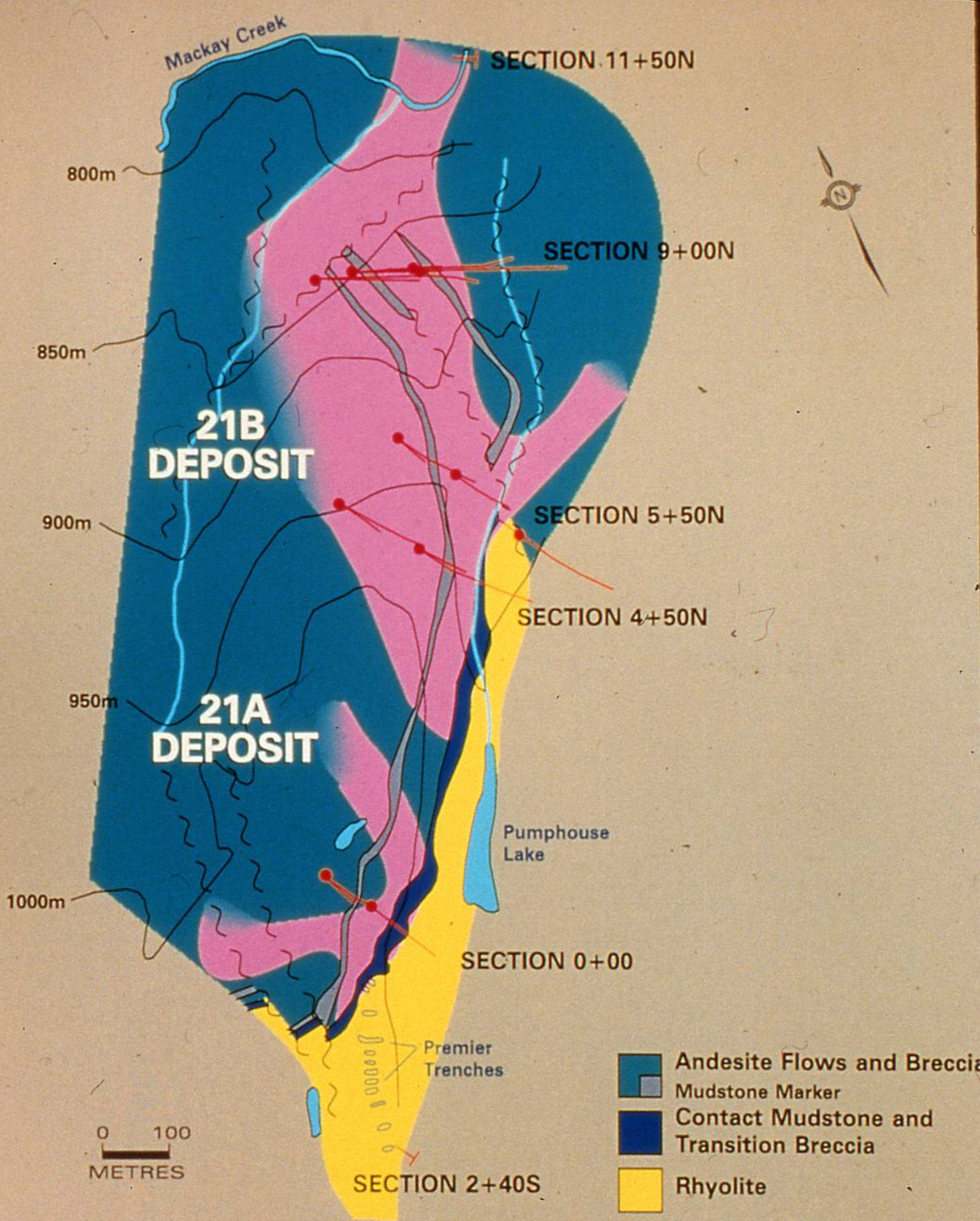
**LEGEND**

- |                                                                                     |                          |                                                                                       |                       |
|-------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------|-----------------------|
|  | DIORITE DIKES            |  | OVERBURDEN            |
|  | MONZONITE BRECCIA        |  | DEPOSIT OUTLINE       |
|  | MONZONITE PORPHYRY       |  | >0.25 % Cu EQUIVALENT |
|  | PORPHYRITIC MONZONITE    |  | >0.40 % Cu EQUIVALENT |
|  | LATITE FLOWS AND TUFFS   |                                                                                       |                       |
|  | TRACHYTE FLOWS AND TUFFS |                                                                                       |                       |
|  | ANDESITE FLOWS AND TUFFS |                                                                                       |                       |



**Mt. MILLIGAN DEPOSIT: Section 9600N**

(Modified from Company plans)



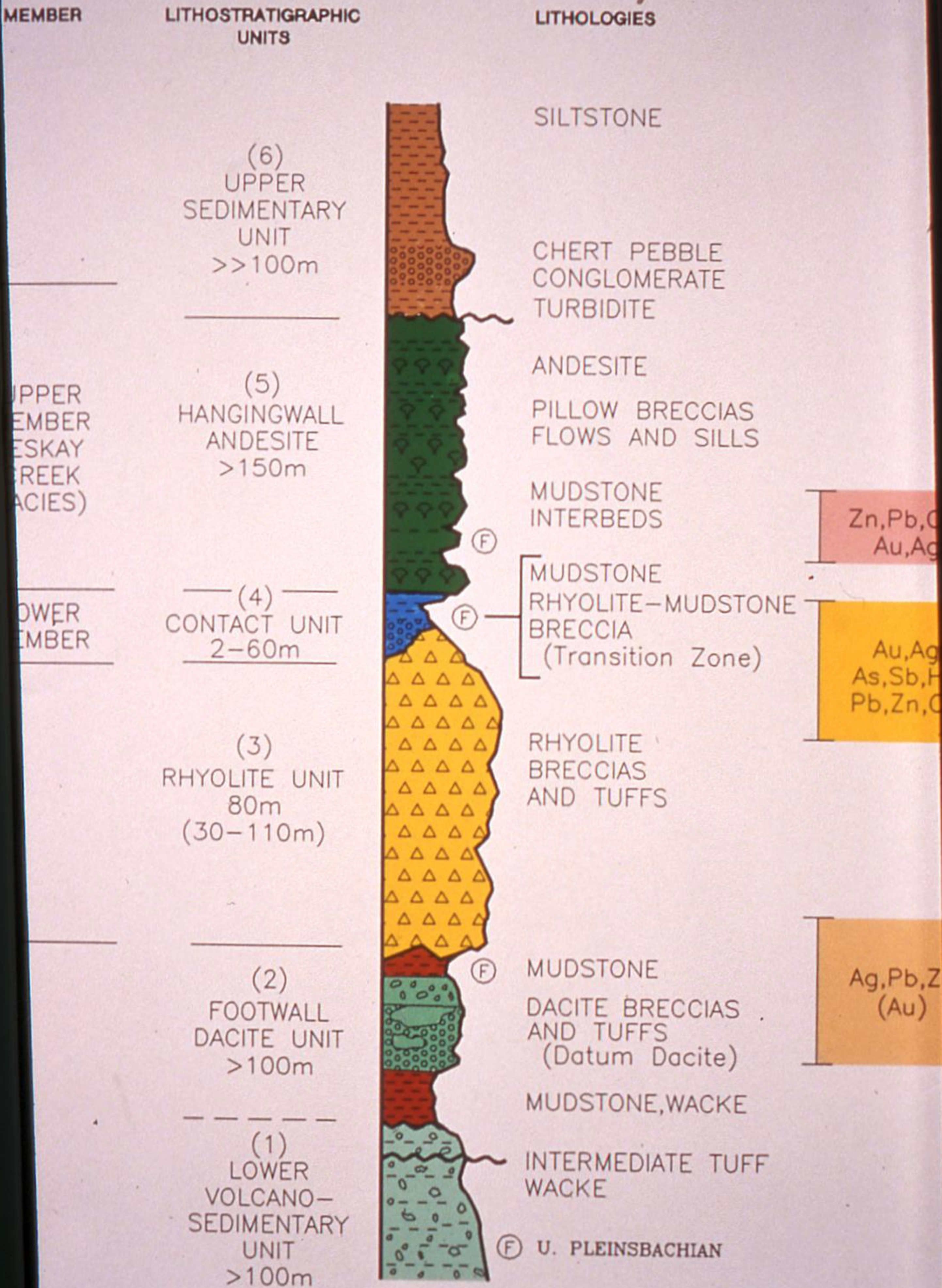
# 21 ZONE - GEOLOGY

## Eskay Creek Project

 **PRIME EXPLORATIONS LTD.**

**CALPINE RESOURCES INC. /  
STIKINE RESOURCES LTD.**

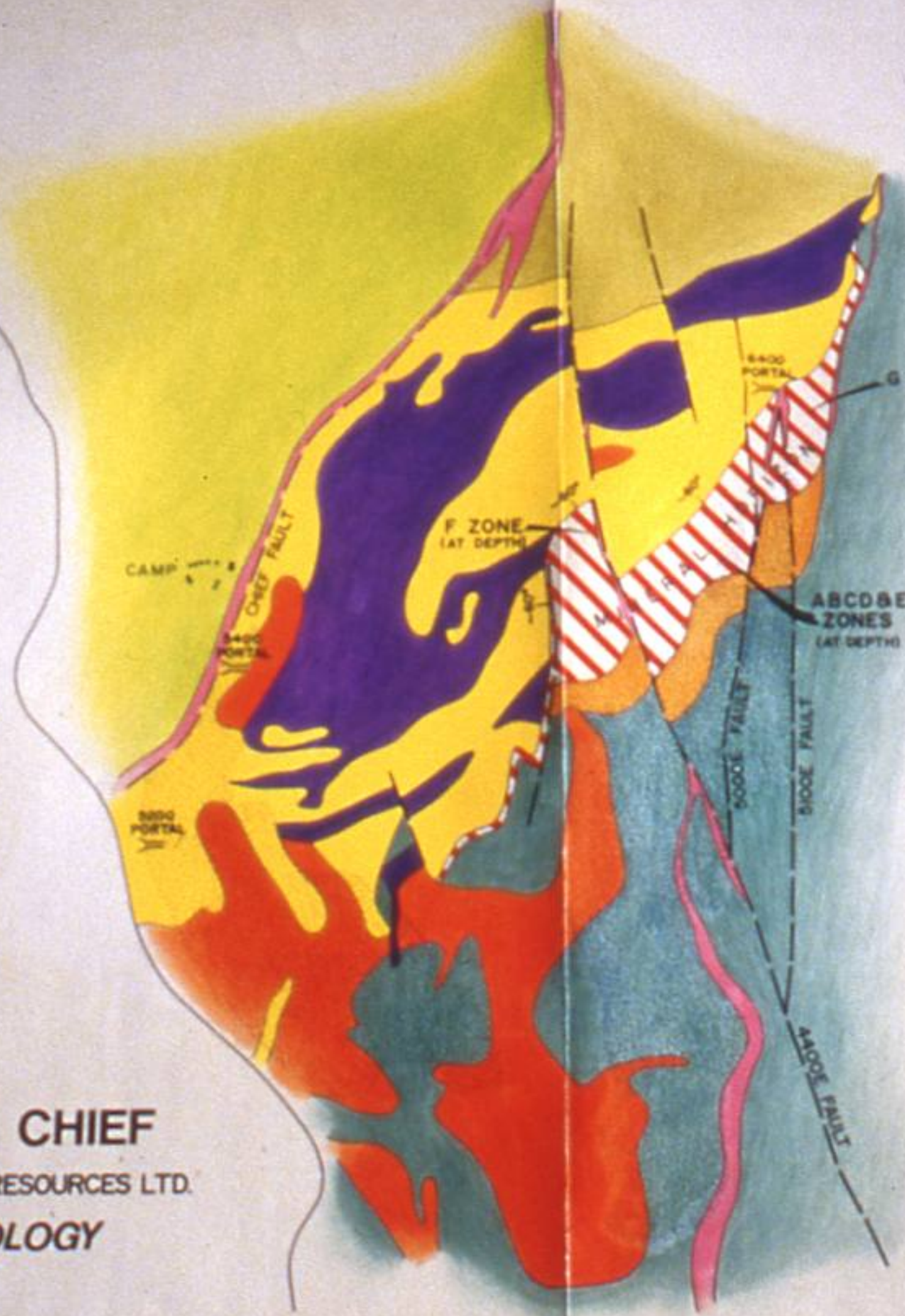
# ESKAY CREEK





5500W  
5000W  
4500W  
4000W  
3500W

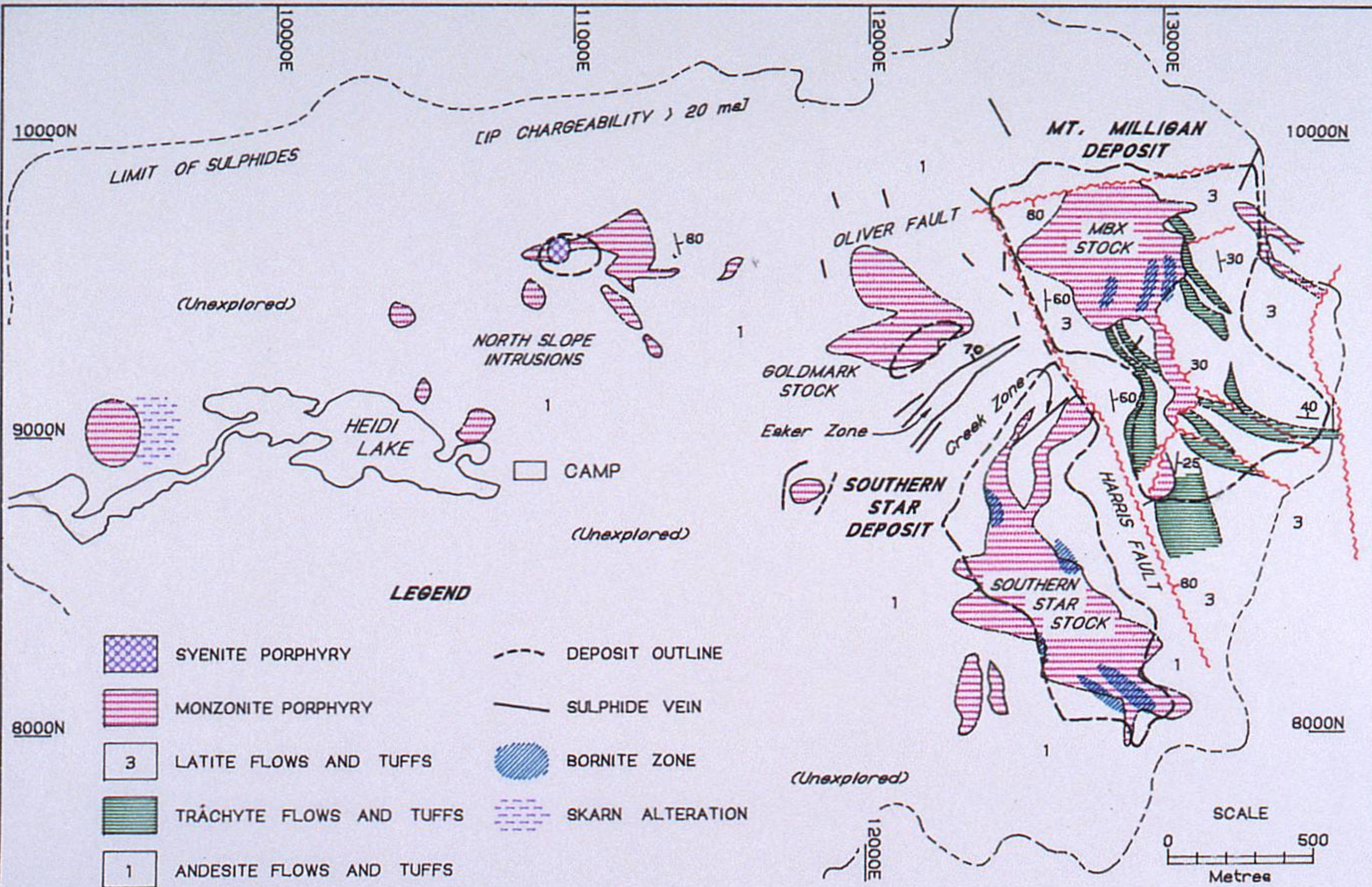
TULSEQUAH RIVER



- TERTIARY**
- RHYODACITE DYKES
- PRE-PERMIAN**
- DIORITE
  - DACITIC INTRUSIVES
  - ANDESITE PYROCLASTICS
  - ANDESITE PYROCLASTICS
  - DACITE-RHYODACITE PYROCLASTICS
  - MINERAL HORIZON  
strongly altered- quartz, sericite, pyrite
  - DACITE PYROCLASTICS  
moderately altered
  - ANDESITE PYROCLASTICS
  - ALTERATION ZONE

**TULSEQUAH CHIEF**  
COMINCO LTD. - REDFERN RESOURCES LTD.  
**SURFACE GEOLOGY**





10000E 11000E 12000E 13000E 10000N

LIMIT OF SULPHIDES [IP CHARGEABILITY > 20 mA]

MT. MILLIGAN DEPOSIT

OLIVER FAULT MBX STOCK

GOLDMARK STOCK Eaker Zone Creek Zone


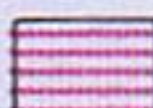
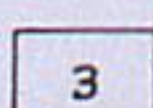
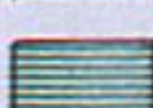
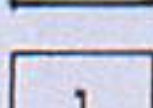



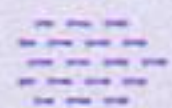
SOUTHERN STAR DEPOSIT HARRIS FAULT

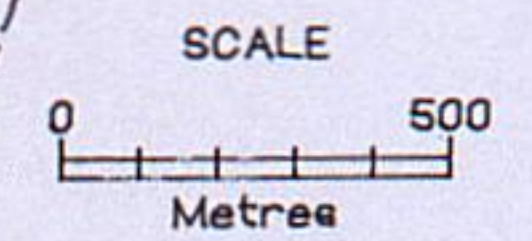
SOUTHERN STAR STOCK

9000N HEIDI LAKE NORTH SLOPE INTRUSIONS

8000N

**LEGEND**

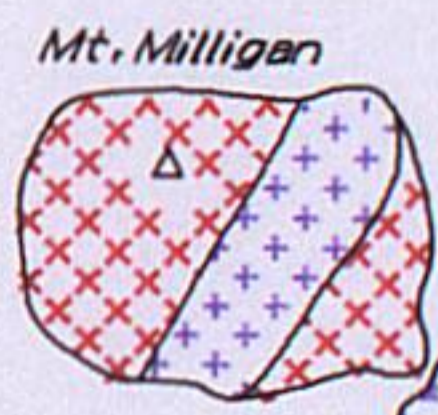
-  SYENITE PORPHYRY
-  MONZONITE PORPHYRY
-  LATITE FLOWS AND TUFFS
-  TRACHYTE FLOWS AND TUFFS
-  ANDESITE FLOWS AND TUFFS
-  DEPOSIT OUTLINE
-  SULPHIDE VEIN
-  BORNITE ZONE
-  SKARN ALTERATION



**MOUNT MILLIGAN PROPERTY - General Geology** (Compiled from Company plans)

# MOUNT MILLIGAN General Geology

120 00'00"



*Mt. Milligan*



*Mitzi L.*



*Heidi L.*

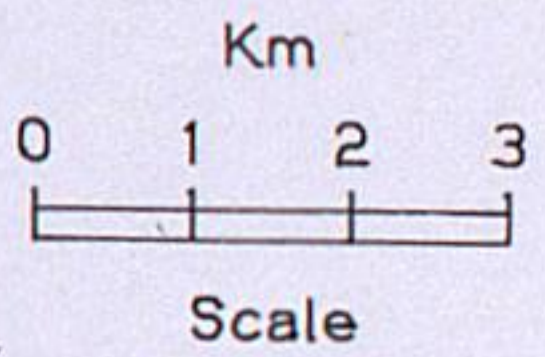


*(Mt. Milligan and  
Southern Star Deposits)*

*(Outline of Joint Venture Claims)*

## LEGEND

-  BIOTITE MONZONITE
-  LEUCOGABBRO
-  QUARTZ MONZONITE
-  DIORITE
-  MONZONITE PORPHYRY
-  TAKLA GROUP VOLCANICS



55 10'00"

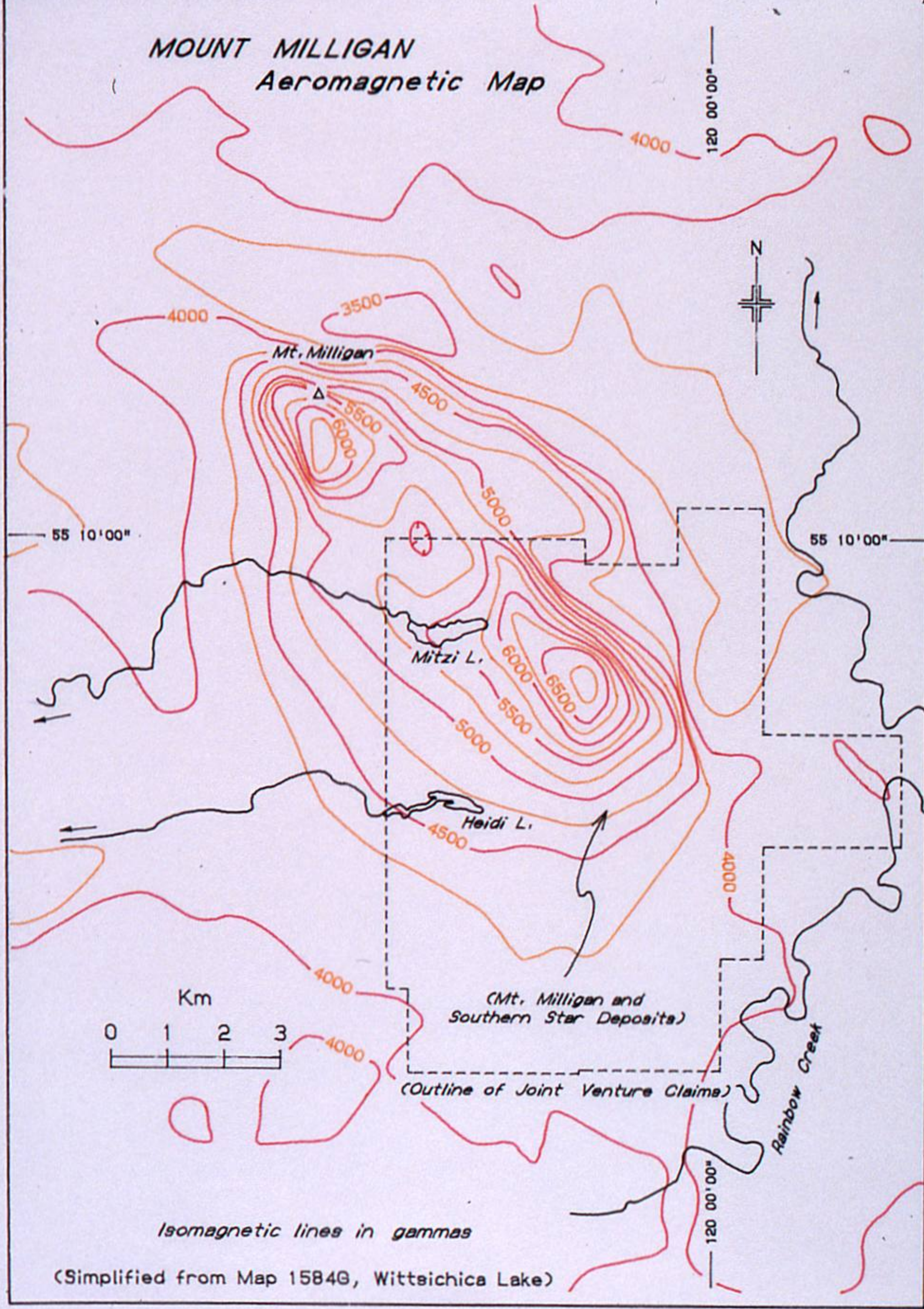
55 10'00"

*Rainbow Creek*

120 00'00"

(From Company Plans)

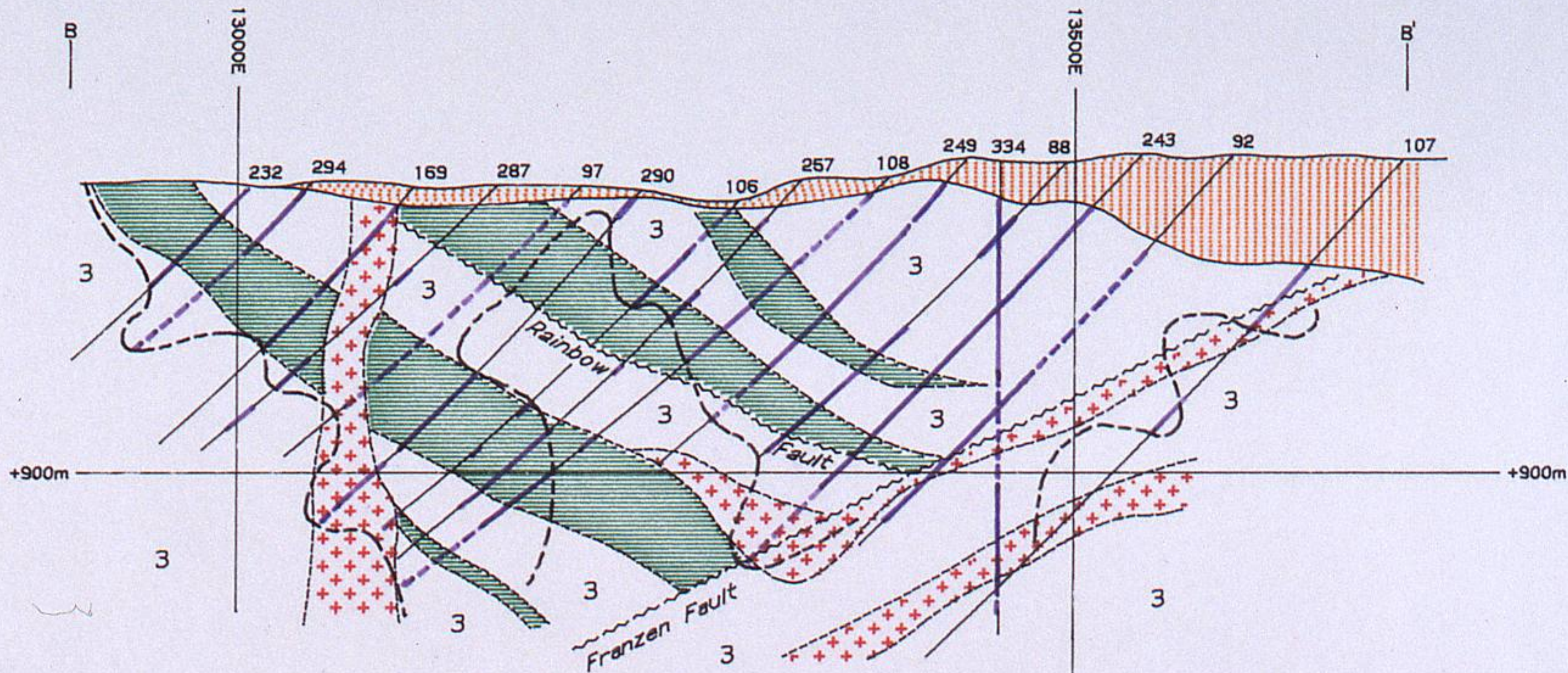
# MOUNT MILLIGAN Aeromagnetic Map



Isomagnetic lines in gammas

(Simplified from Map 1584G, Witteichica Lake)





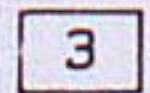
**LEGEND**



OVERBURDEN



MONZONITE PORPHYRY



LATITE FLOWS AND TUFFS



TRACHYTE FLOWS AND TUFFS



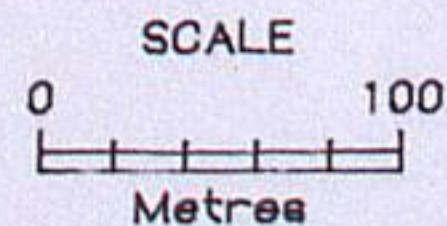
DEPOSIT OUTLINE



>0.25 % Cu EQUIVALENT



>0.40 % Cu EQUIVALENT



**Mt. MILLIGAN DEPOSIT: Section 9100N**

(Modified from Company plans)

10000N

12500E

13000E

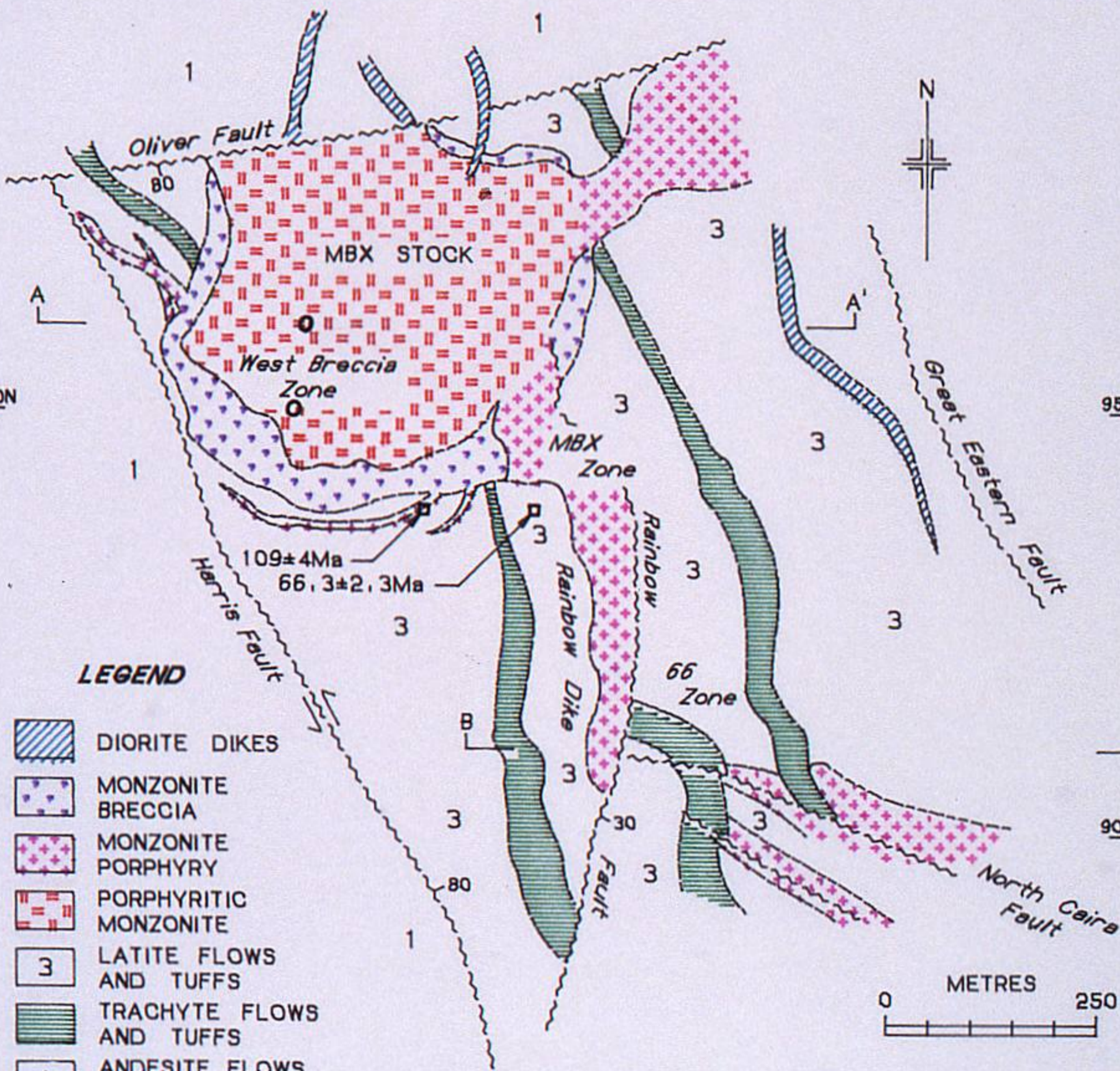
13500E

10000N




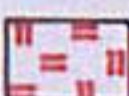
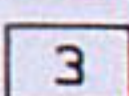
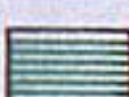
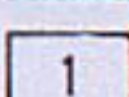



9500N

9500N

9000N



**LEGEND**

-  DIORITE DIKES
-  MONZONITE BRECCIA
-  MONZONITE PORPHYRY
-  PORPHYRITIC MONZONITE
-  LATITE FLOWS AND TUFFS
-  TRACHYTE FLOWS AND TUFFS
-  ANDESITE FLOWS AND TUFFS
-  CONTACT (APPROXIMATE)
-  FAULT (APPROXIMATE)
-  AGE DATE SAMPLE LOCATIONS (Zr, K-Ar)

**Mt. MILLIGAN DEPOSIT**  
**Geology at 1050m Elevation**

(Compiled from Company plans)

13000E

13500E