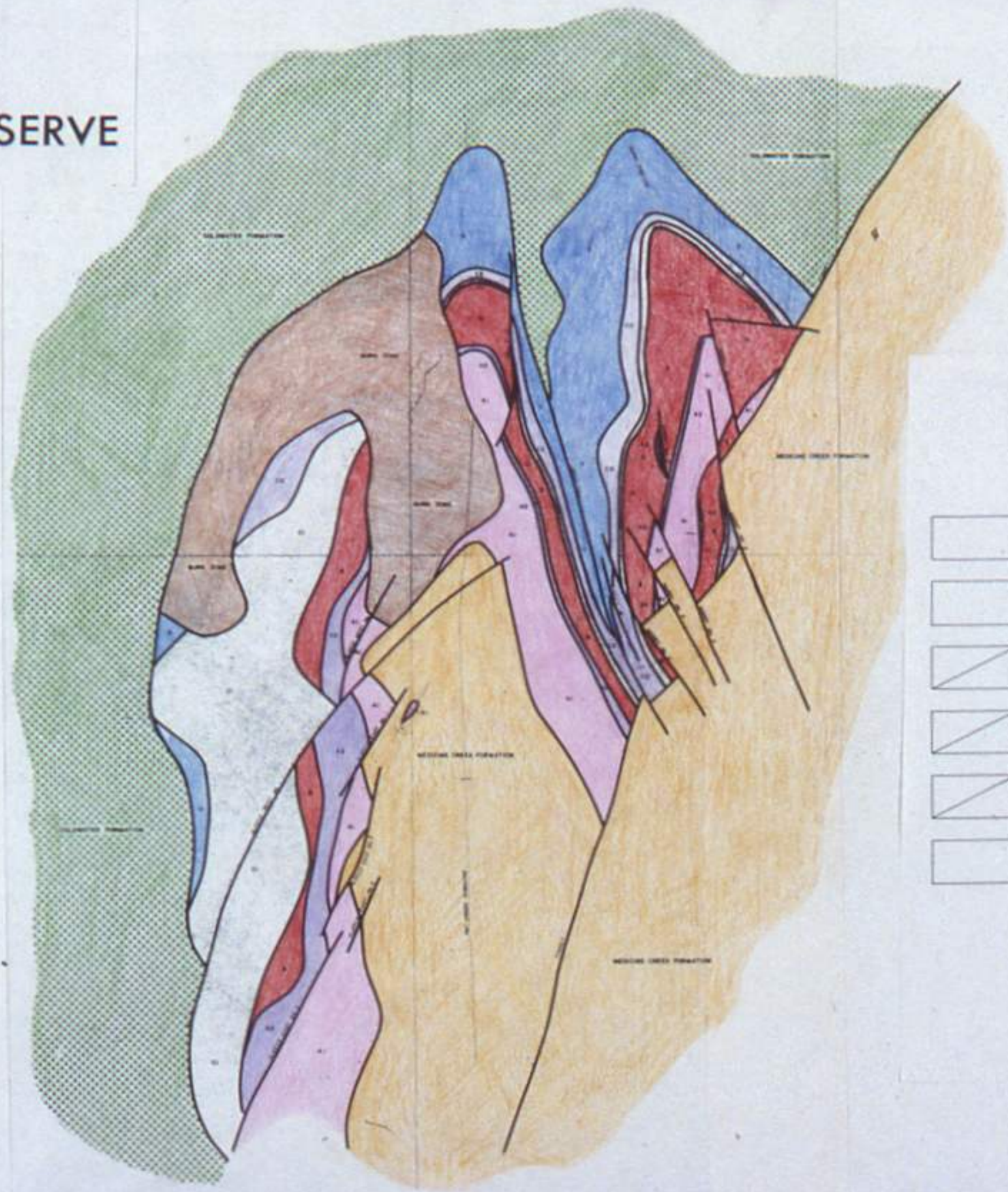
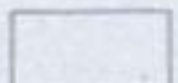
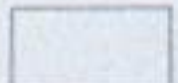
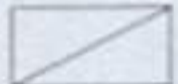

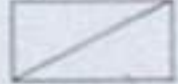
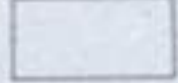
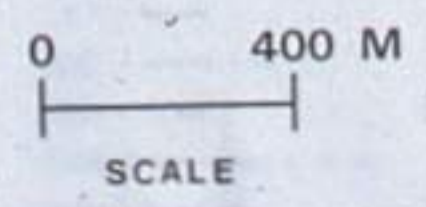


# HAT CREEK COAL DEPOSIT

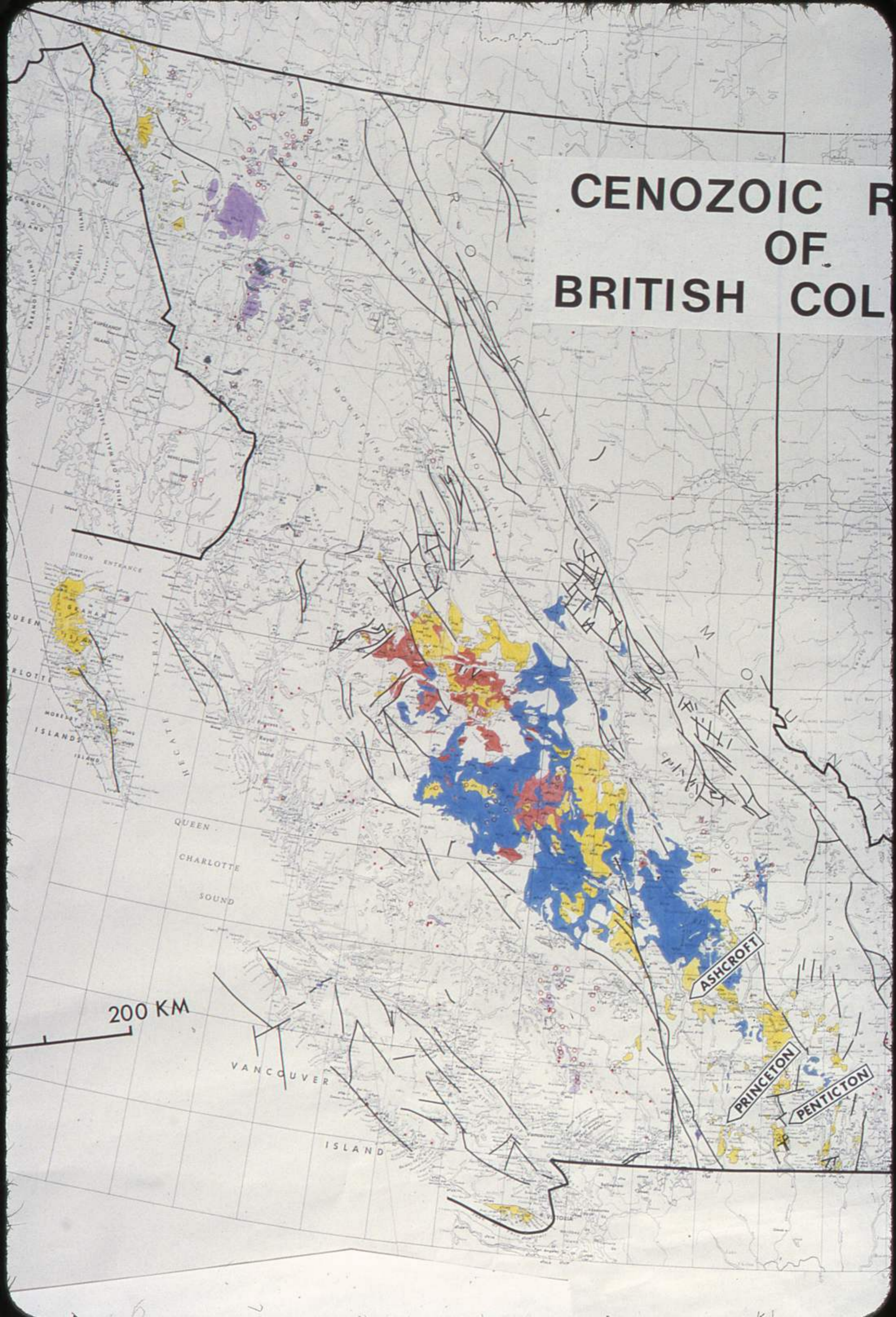
No. 1 RESERVE



-  BOCANNE
  -  MEDICINE CREEK FM
  -  U. COAL/SEDS
  -  M. COAL/SEDS
  -  L. COAL/SEDS
  -  COLDWATER FM
- } HAT CREEK  
COAL  
FORMATION



# CENOZOIC R OF BRITISH COL



200 KM

ASHCROFT

PRINCETON

PENTICTON

VANCOUVER

ISLAND

QUEEN  
CHARLOTTE  
SOUND

QUEEN  
CHARLOTTE  
ISLANDS

PRINCE OF WALES ISLANDS

MOUNTAINS

MOUNTAINS

MOUNTAINS

COAST RANGE

SELKIRK MOUNTAINS

FRASER CANYON

DIXON ENTRANCE

QUEEN

CHARLOTTE

ISLANDS

ISLAND

QUEEN

CHARLOTTE

SOUND

VANCOUVER

ISLAND

ISLAND

ISLAND

ISLAND

ISLAND

ISLAND




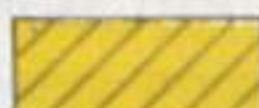
Top of  
infill cycle.



Base  
of cycle.

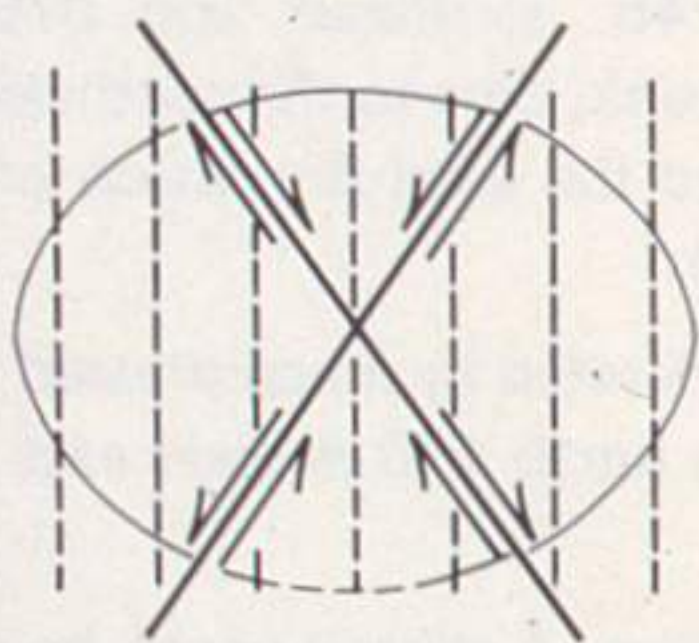
# ELEMENTS OF THE HAT CREEK GRABEN

## GEOLOGICAL UNITS

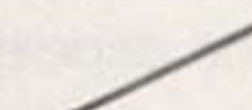
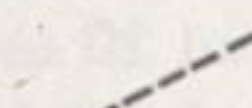
-  VOLCANICS
-  SEDIMENTARY ROCKS

## STRESS AND FRACTURE SCHEME

MAXIMUM STRESS



## FAULT, LINEAMENTS

-  .....STRIKE SLIP
-  .....GRAVITY FAULT

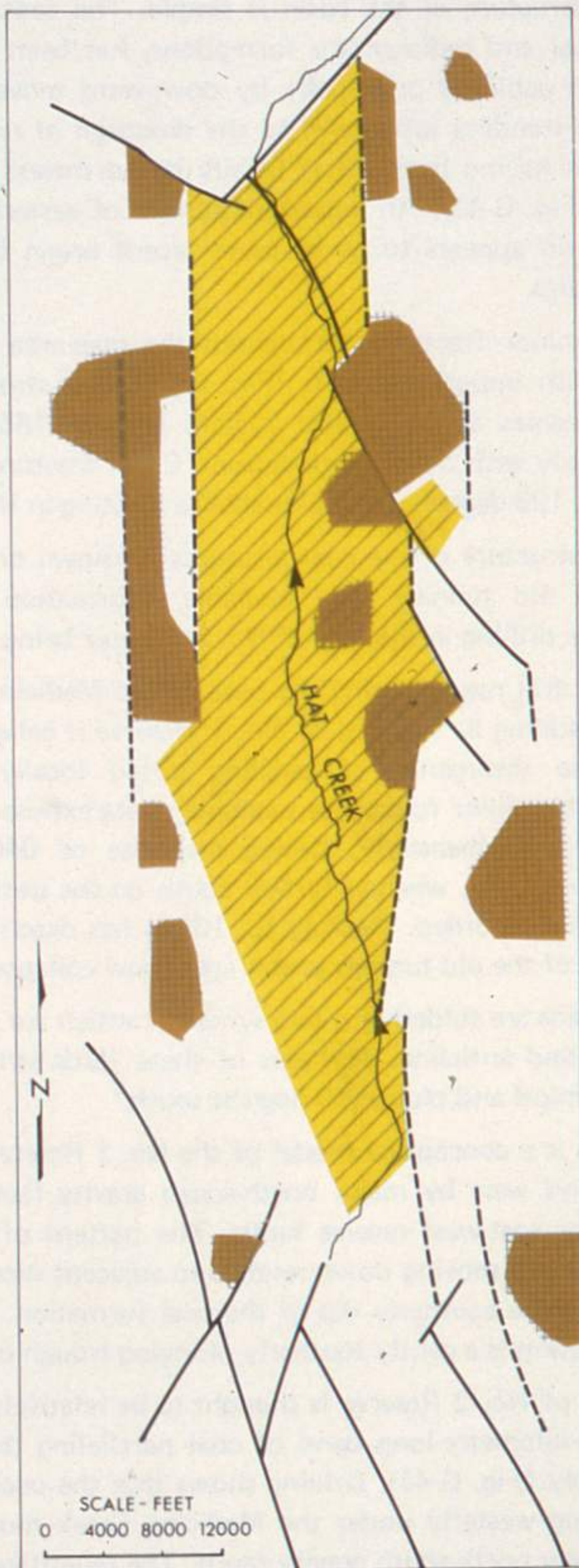
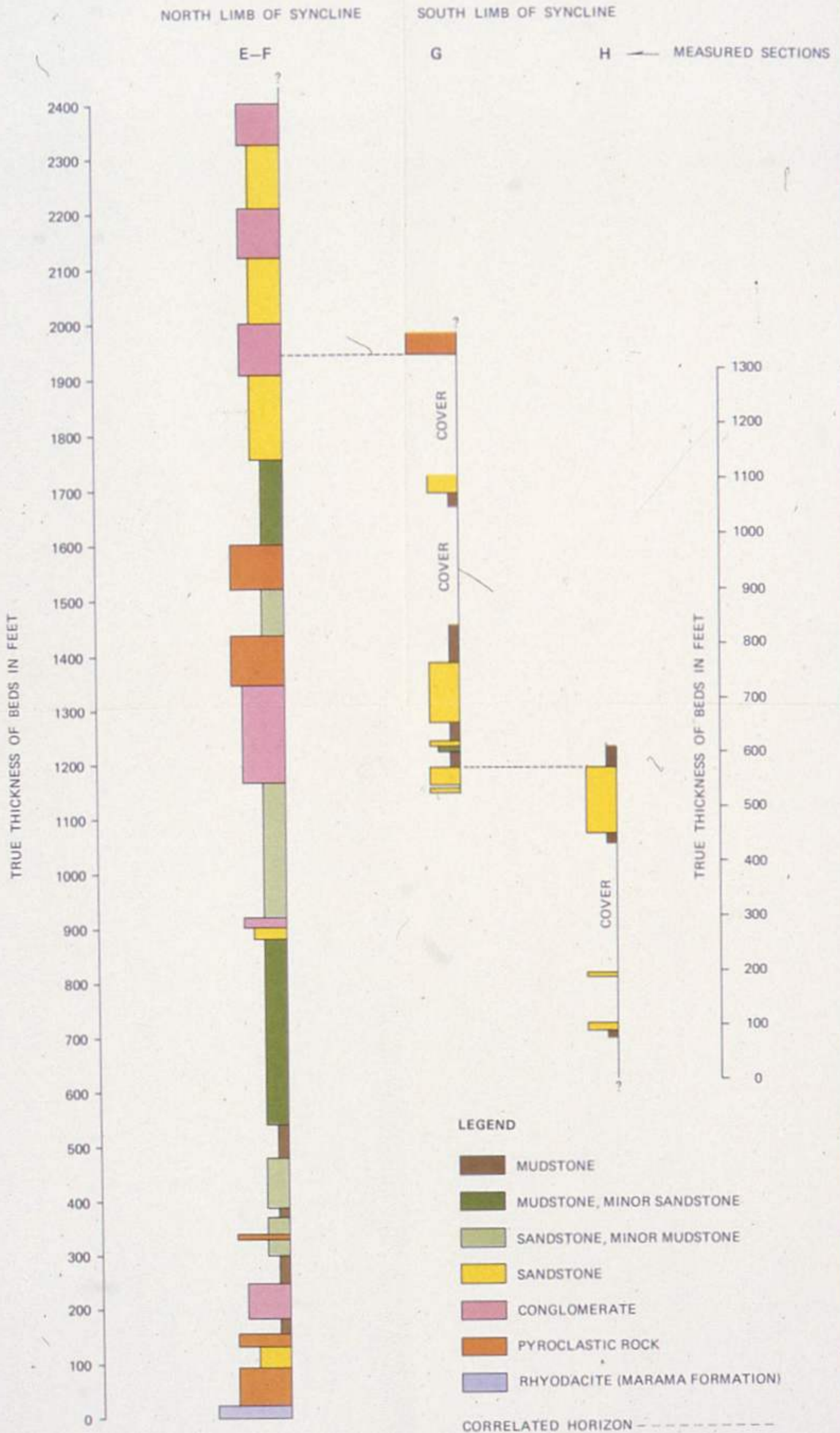
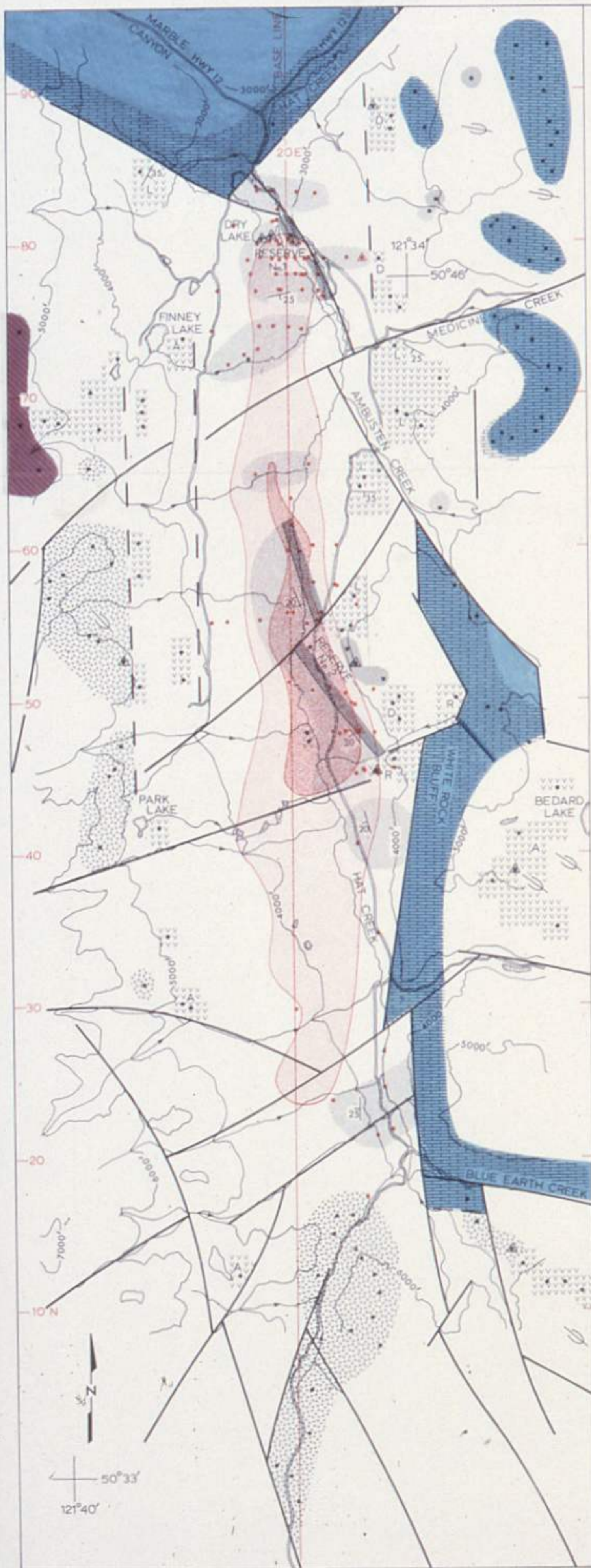


FIGURE 2.6. GENERALIZED COLUMNAR SECTIONS OF WHITE LAKE BEDS  
(POSITIONS OF MEASURED SECTIONS ARE SHOWN ON FIGURE 1.2)





### LEGEND

#### COVER FORMATION (KAMLOOPS GROUP)

- OLIVINE BASALT (MIOCENE)
- MIXED VOLCANIC ROCKS (EOCENE); Rhyolite (R), Lahar (L), Andesite (A), Dacite (D)
- SEDIMENTARY ROCKS/COAL FORMATION (LOWER TERTIARY)

#### BASEMENT COMPLEX

- MOUNT LYTTON BATHOLITH (CRETACEOUS)
- SPENCES BRIDGE GROUP (CRETACEOUS)
- CACHE CREEK GROUP (PERMIAN)

### SYMBOLS

- BEDDING
- GLACIAL STRIAE
- DRILL HOLE
- CHEMICAL ANALYSIS STATION
- GEOLOGICAL STATION
- FAULT LINEAMENT
- POSSIBLE FAULT
- ROAD
- TOPOGRAPHIC CONTOUR
- LAKE
- STREAM

### GRAVITY ANOMALY

- STRONG NEGATIVE
- MEDIUM NEGATIVE

## GEOLOGY OF THE HAT CREEK COAL BASIN

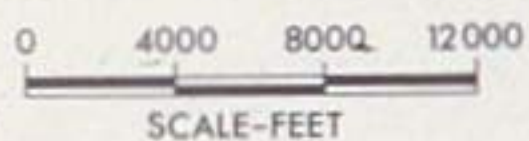
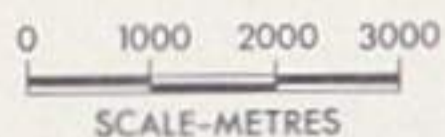
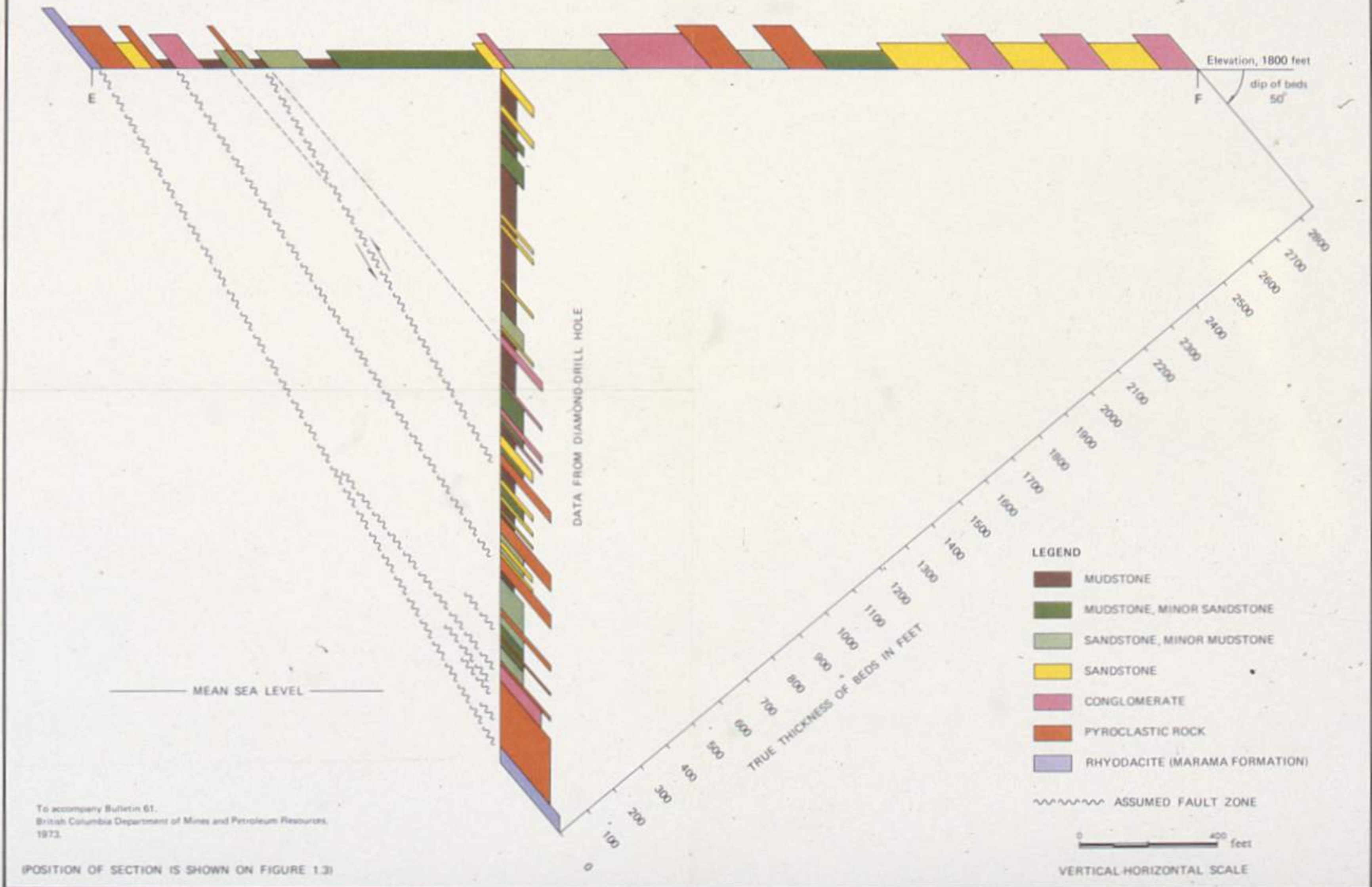
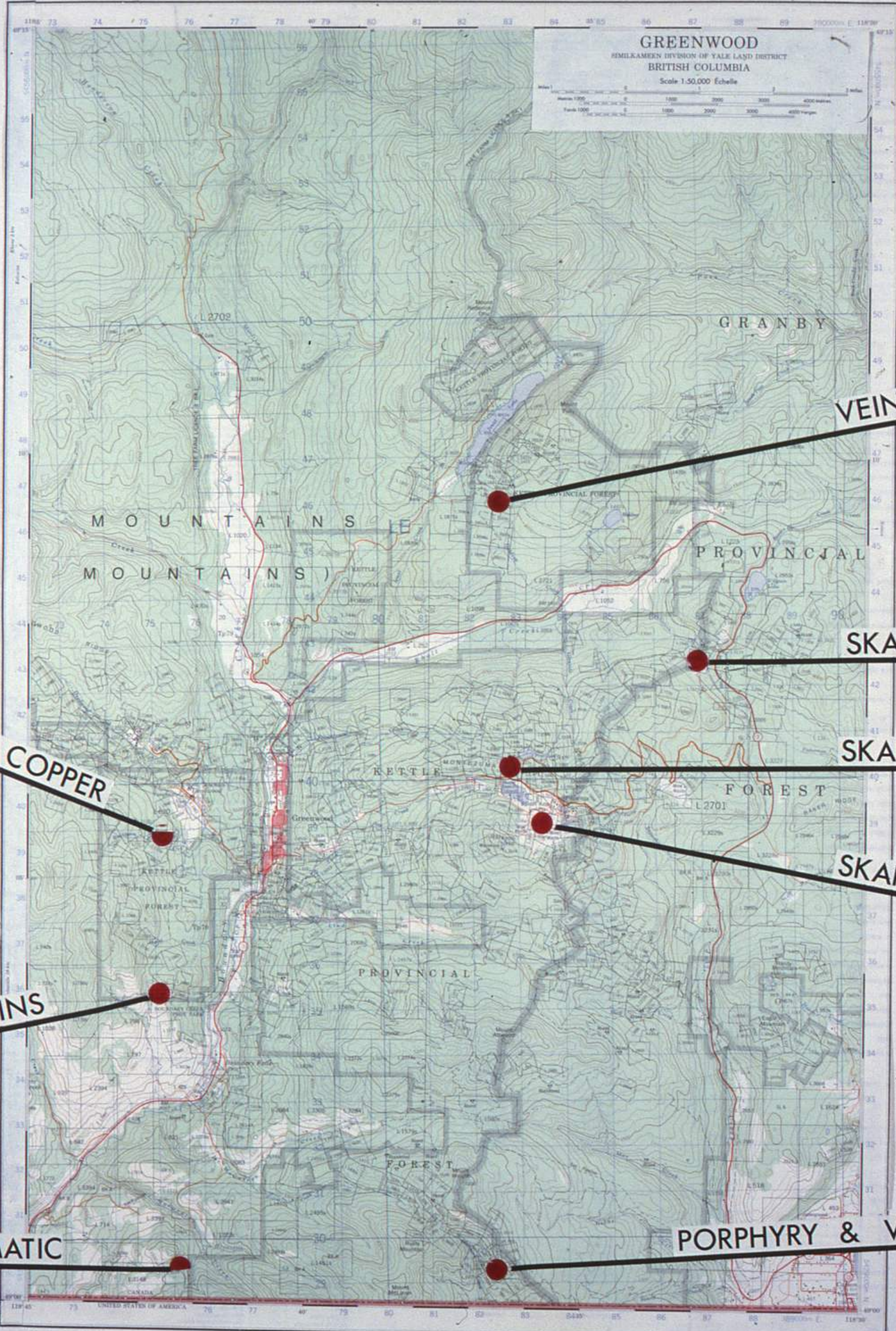


FIGURE 2.7. STRUCTURE SECTION OF WHITE LAKE BEDS ON NORTH LIMB OF THE SYNCLINÉ

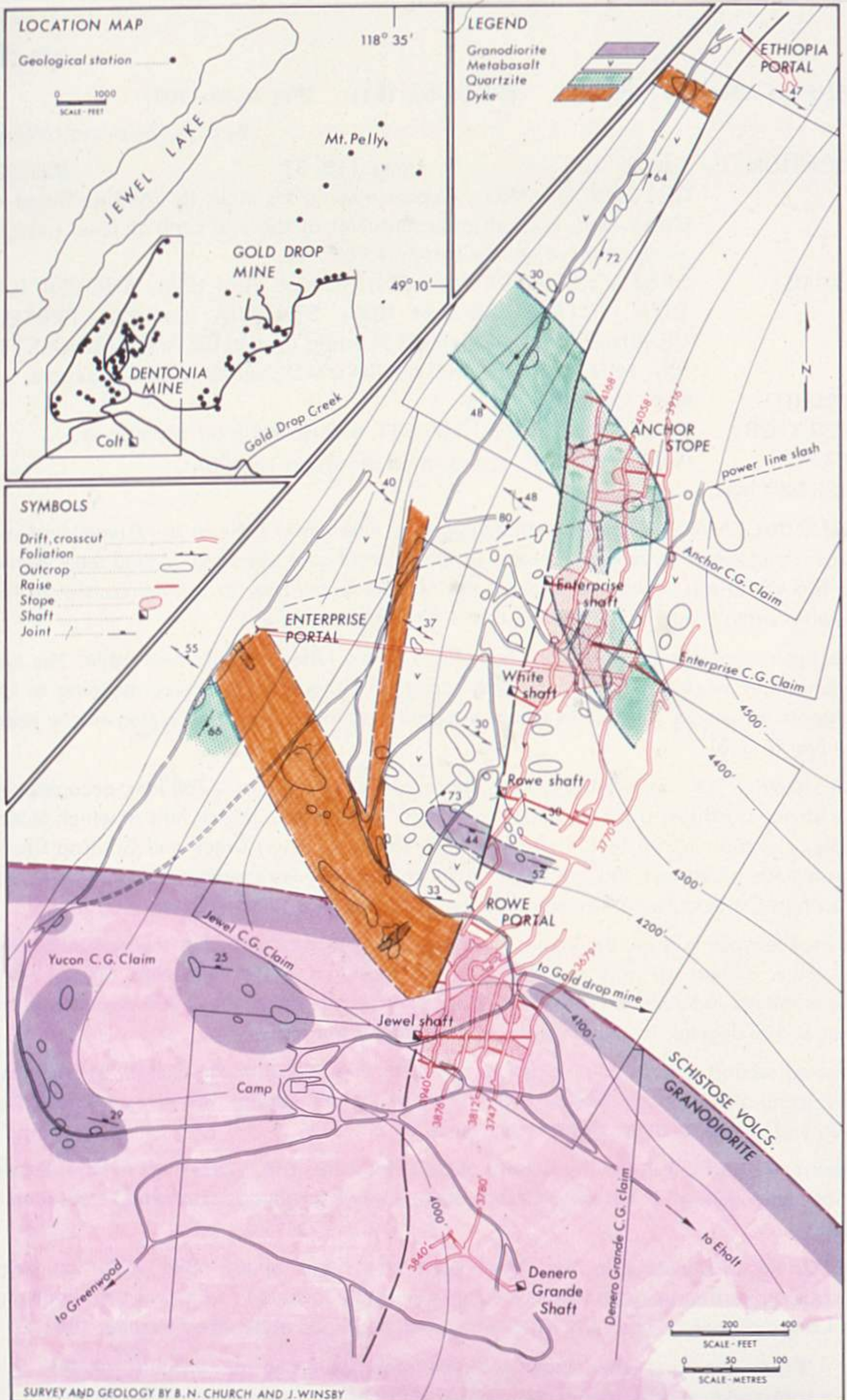


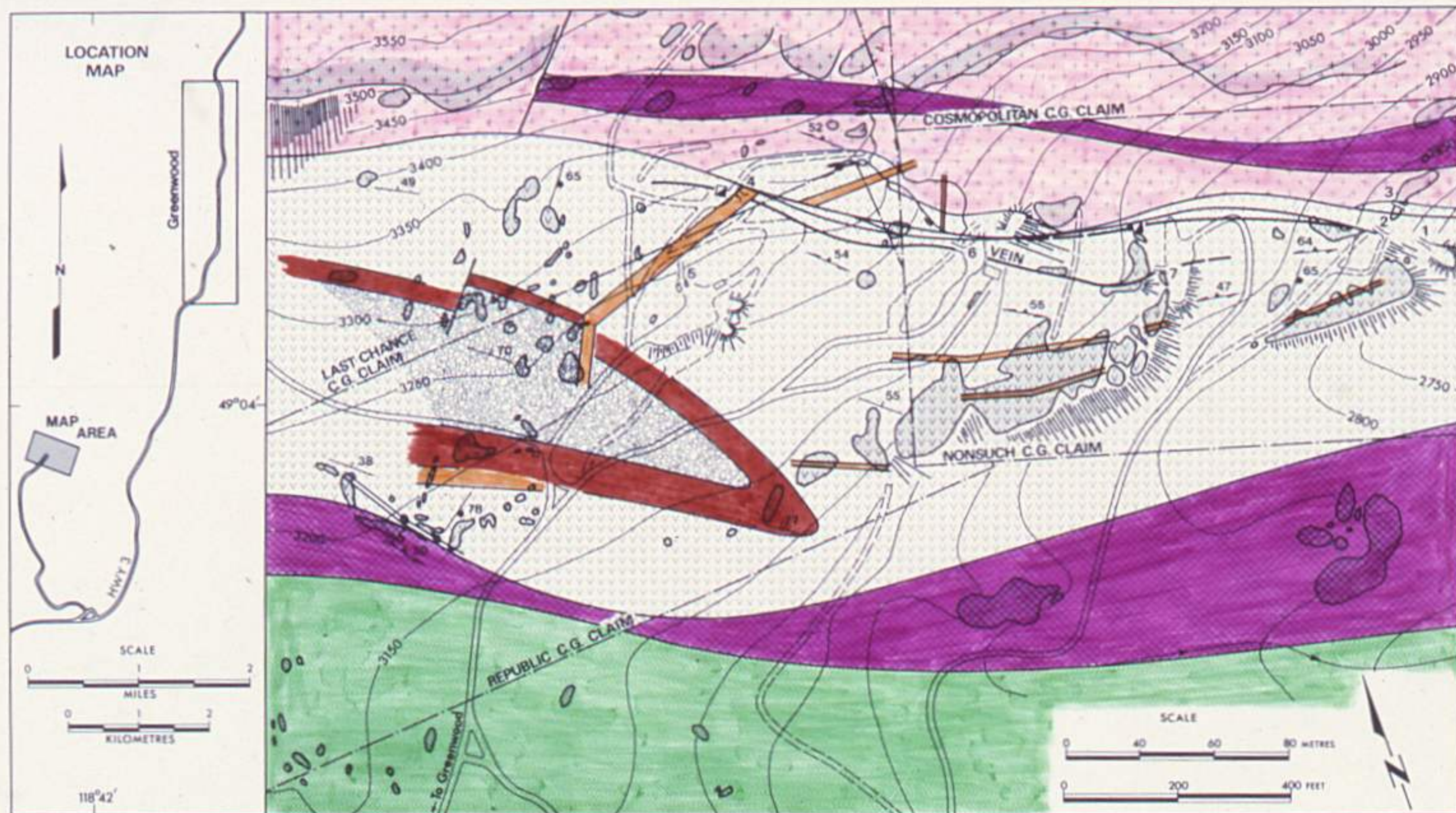


# INDEX MAP



# DENTONIA MINE GEOLOGY





**LEGEND**

BEDDED ROCKS	INTRUSIVE ROCKS	SYMBOLS
<b>SKOMAC METASEDIMENTARY ROCKS</b>	MICRODIORITE AND GRANODIORITE DYKES	ROCK OUTCROP
CONGLOMERATE AND SANDSTONE/SILTY ARGILLITE WITH CARBONATE CLASTS/BLACK ARGILLITE AND SLATES	SERPENTINIZED ULTRAMAFIC ROCKS	TALUS
<b>BASEMENT COMPLEX</b>	DIORITE AND GRANODIORITE	TOPOGRAPHIC CONTOUR
METAQUARTZITE AND AMPHIBOLITE		ROAD
		BULLDOZER TRACK
		ADIT
		SHAFT
		BEDDING ATTITUDE
		JOINT
		SCHISTOCITY
		FAULT

# SKOMAC MINE GEOLOGY

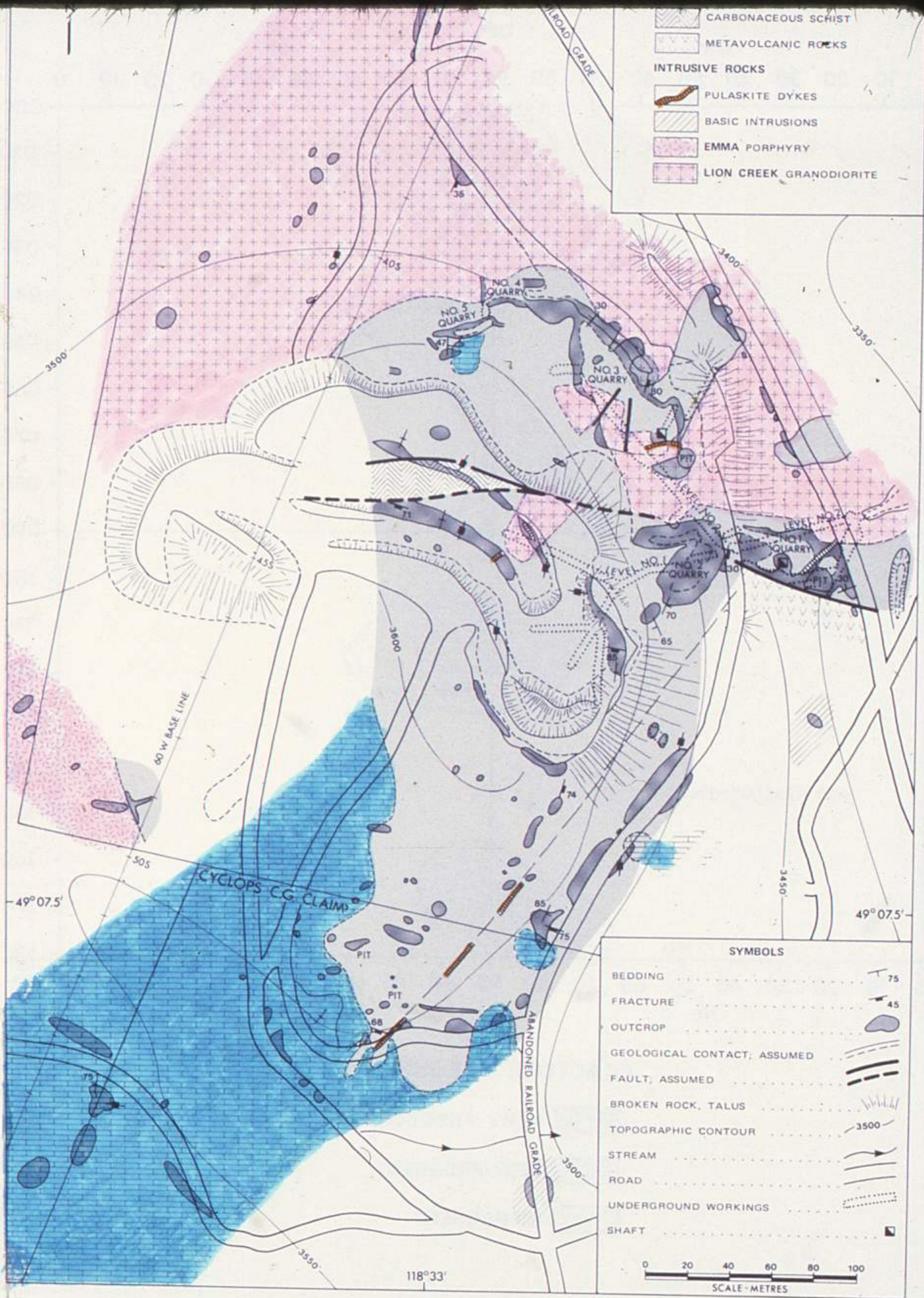
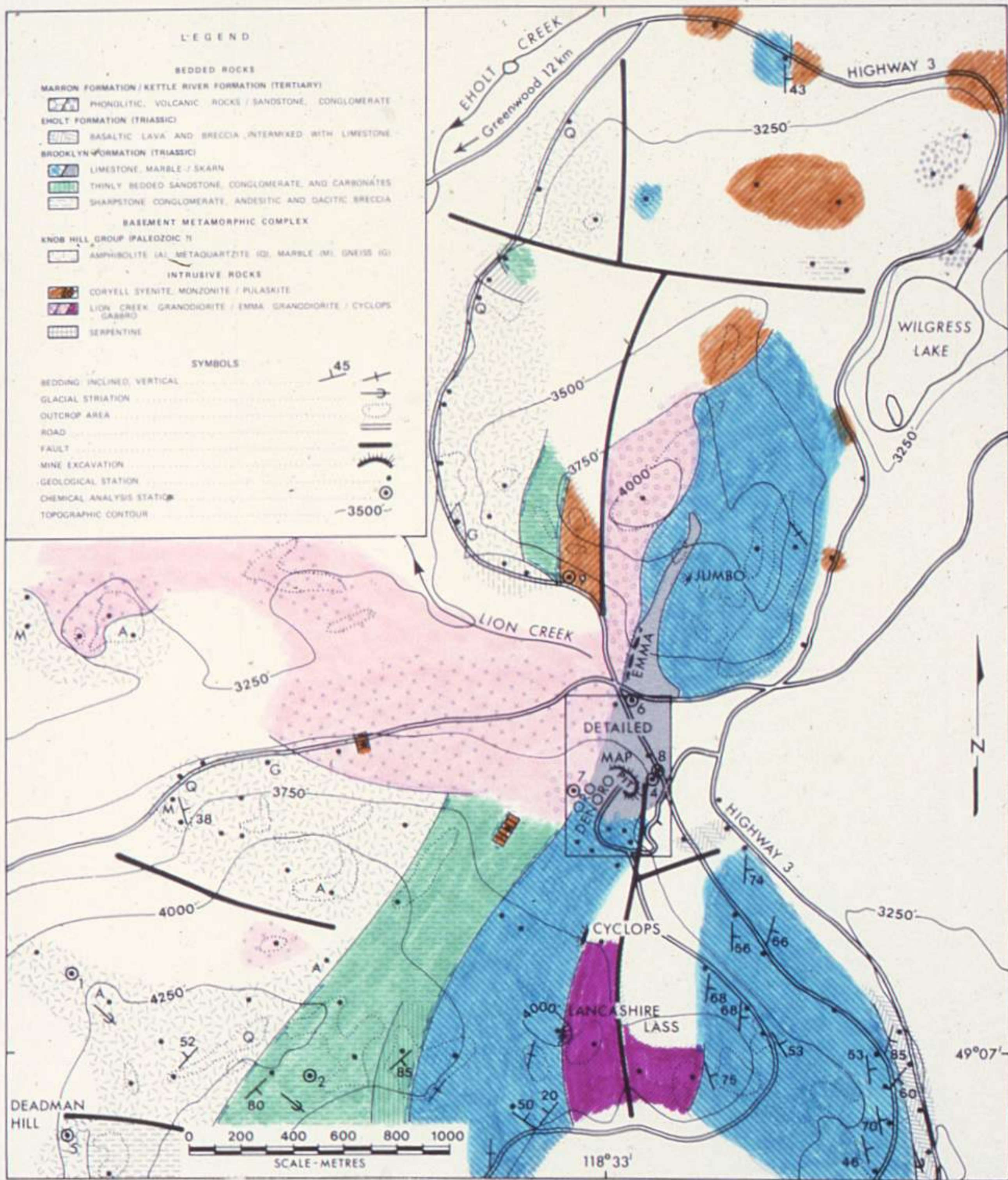
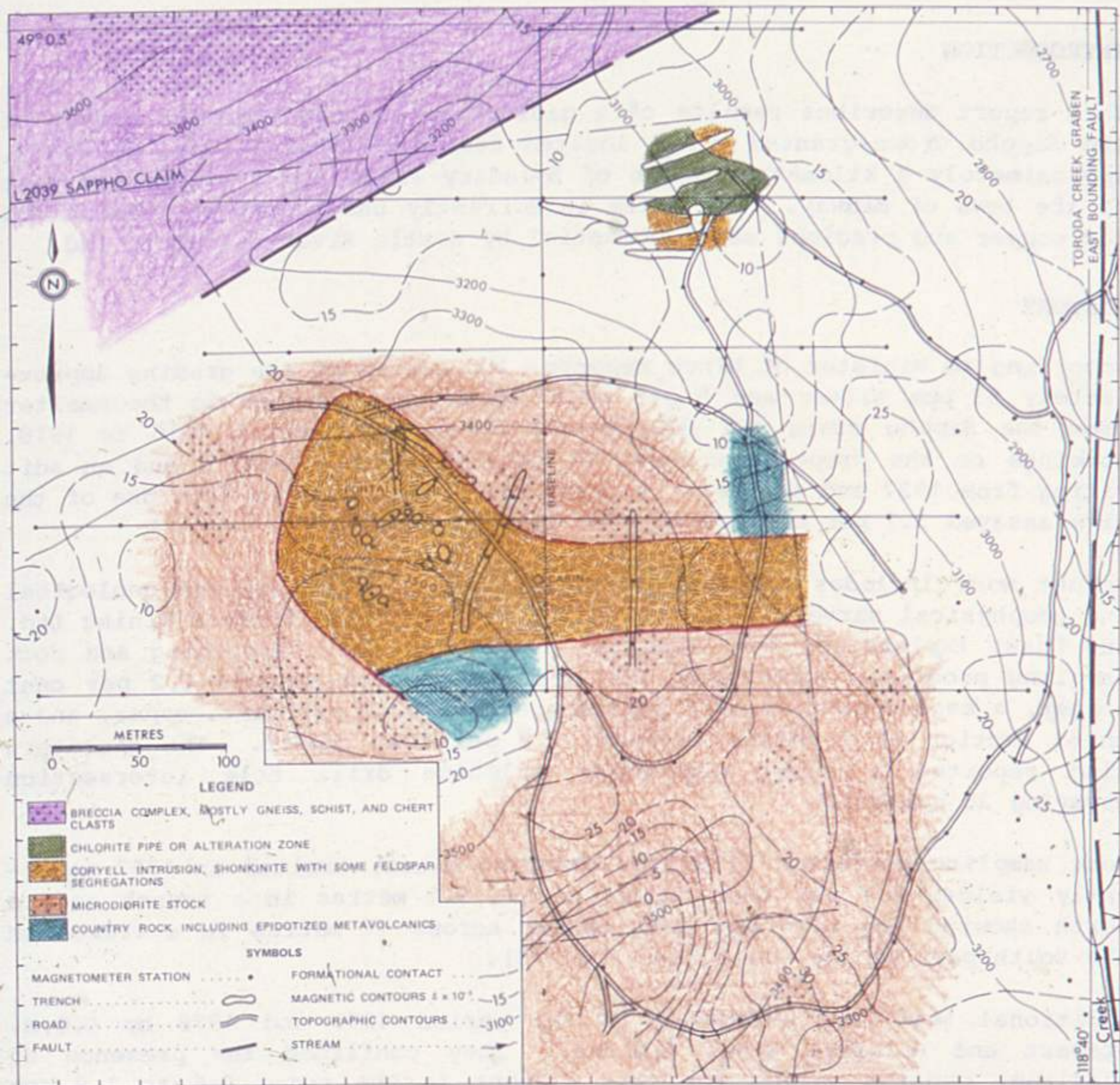


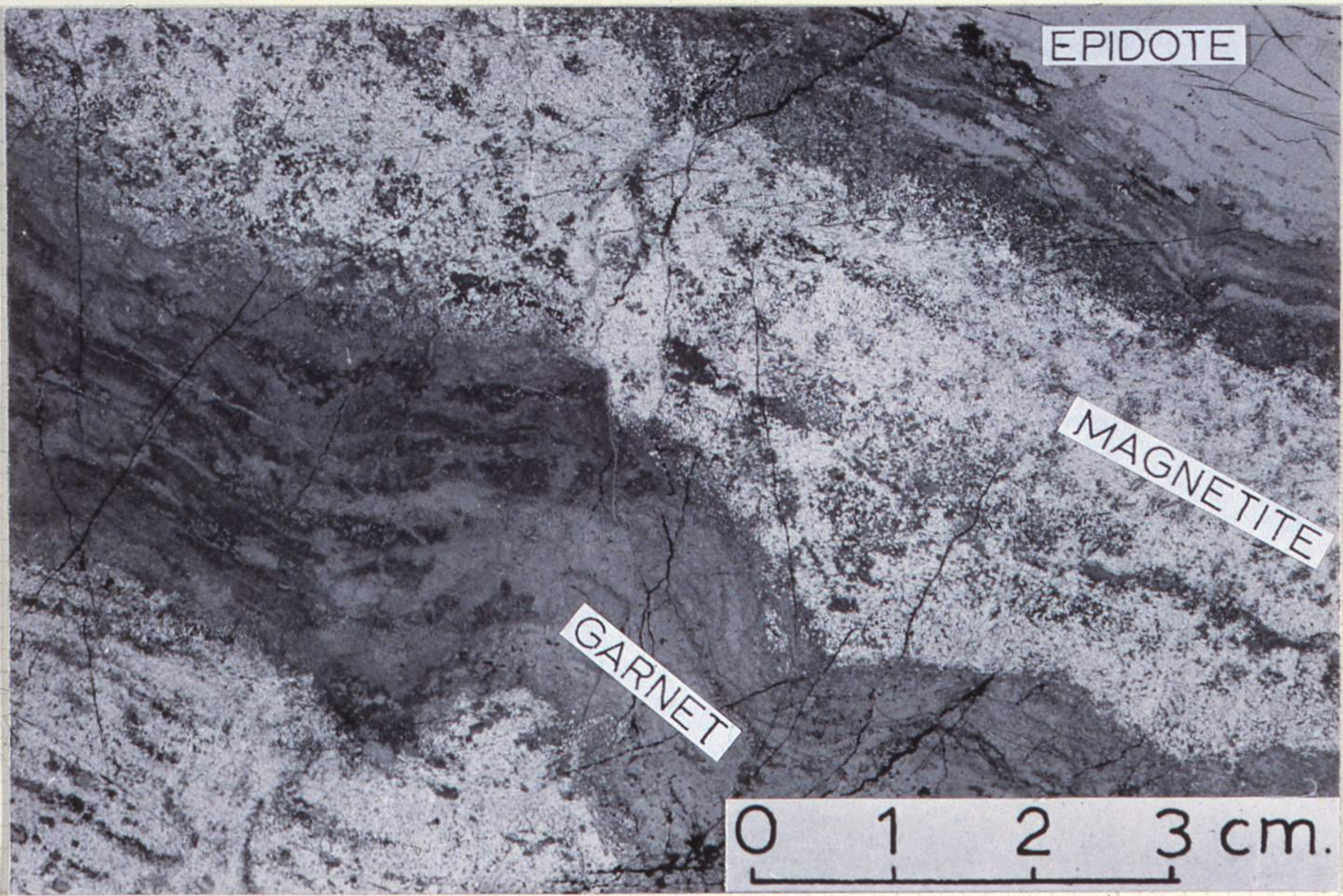
Figure 4. Detailed geology in the vicinity of the Oro Denoro mine.



# ORO DENORO MINE GEOLOGY



# SAPPHO PRECIOUS METAL PROSPECT



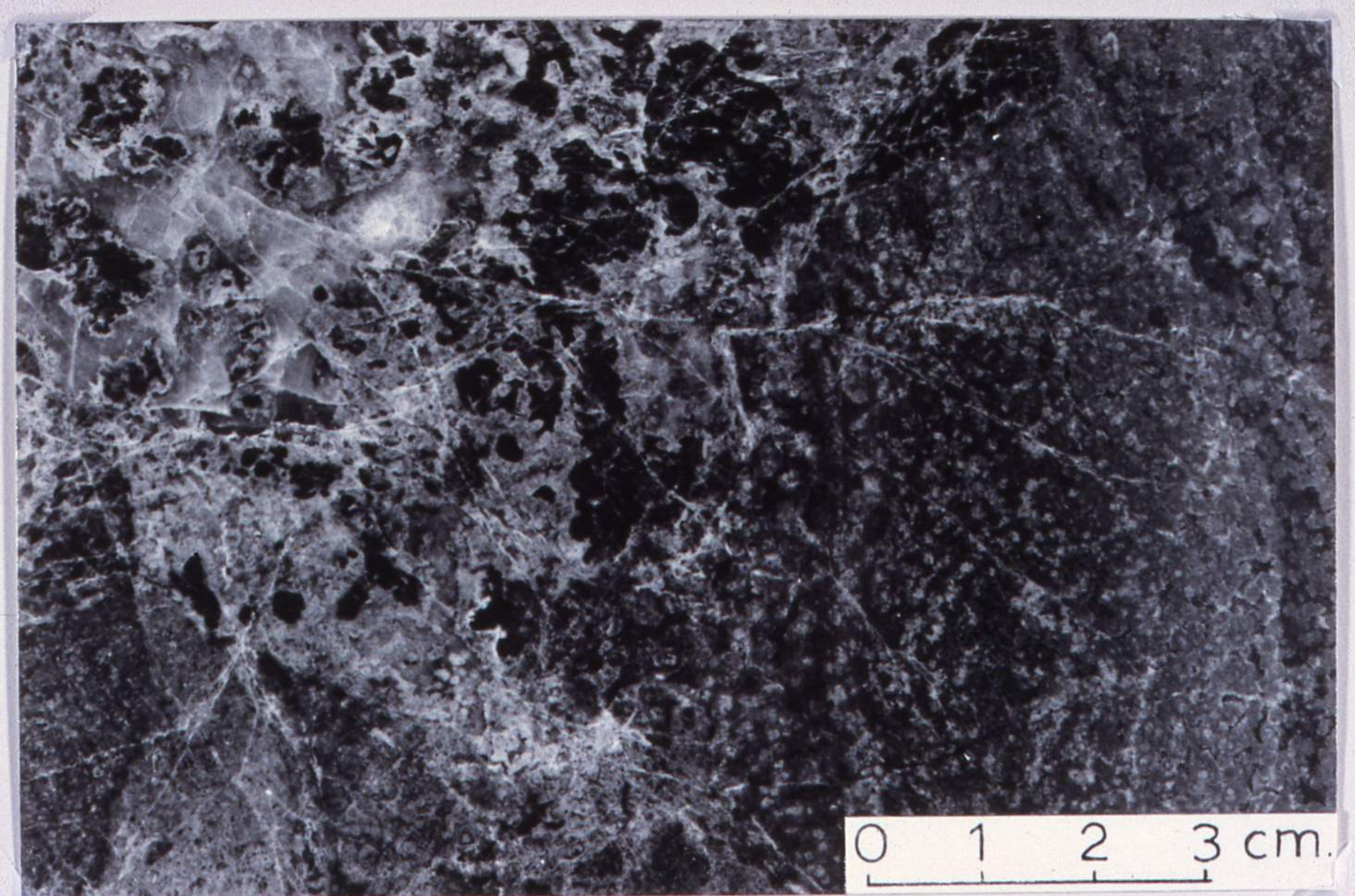
EPIDOTE

MAGNETITE

GARNET

0 1 2 3 cm.

CHURCH 2 Oro Denoro - banded garnet magnetite, epidote skarn

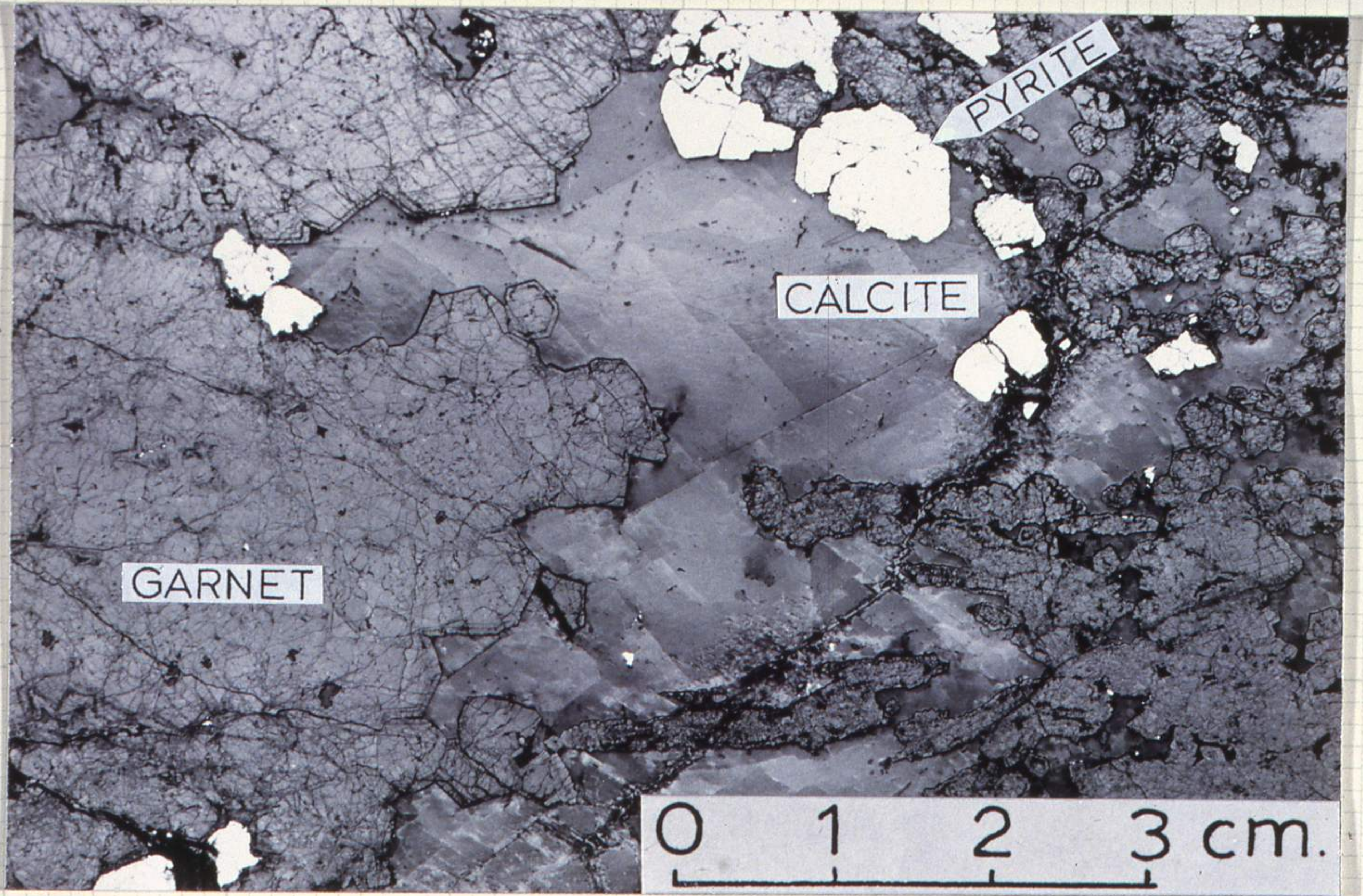


GARNET

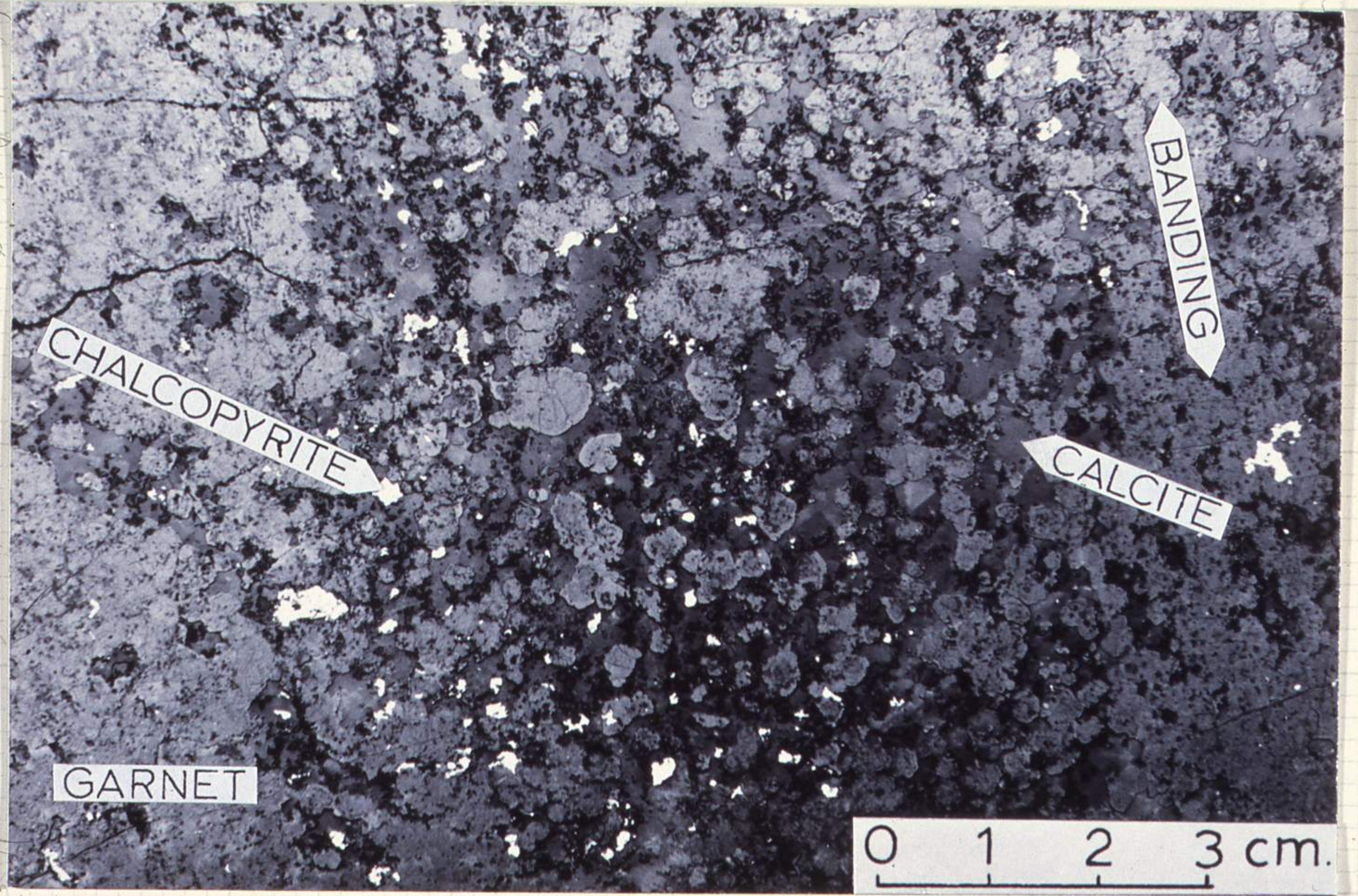
CALCITE

PYRITE

0 1 2 3 cm.







CHALCOPYRITE

GARNET

CALCITE

BANDING

0 1 2 3 cm.

0 1 2 3 cm.

GARNET

MAGNETITE

CHALCOPYRITE

