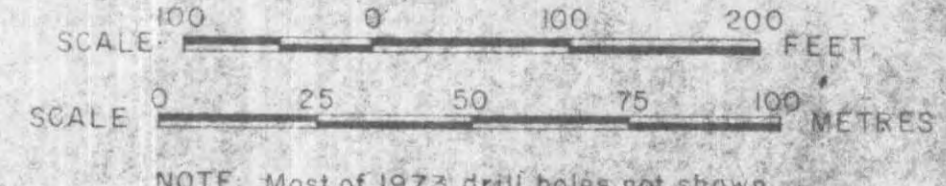


- A Saussuritized fine-grained diorite, cpr, mal, hem, mt
  - B Saussuritized fine-grained diorite, mal, cc, mt, ep, chl, K-sp
  - C Saussuritized fine-grained diorite, mal, cpr, Cu, cc, bn
  - D Saussuritized fine-grained diorite, and fine-grained sy, mal, mt, cpr, K-sp
  - E Saussuritized fine-grained diorite, K-sp, mal
  - F Fine-grained diorite with ep-mt veins
  - G Micromonzonite porphyry, mal, cc, ep
  - H Pink altered micromonzonite porphyry, mal
  - J Pink altered micromonzonite, mal, mt, ep, chl
- ABBREVIATIONS**  
 Cu-native copper, cc-chalcoite, bn-bornite, ep-chalcopyrite, py-pyrite, cpr-cuprite, sy-syenite, mal-malachite, mt-magnetite, ep-epidote, chl-chlorite, K-sp-potash feldspar, hem-hematite
- LEGEND FOR PLAN**
- Diamond-drill hole
  - Rotary drill-hole
  - Percussion drill-hole
  - Pit
  - Fault
  - ~ Prominent fracture set
  - ~ Prominent fracture set containing ep, mt veins
- LEGEND FOR SECTIONS**
- MIDDLE EOCENE**
- 916 UNIT 10 Kamloops Group: Grey and reddish sandstone, siltstone, and bentonitic shale. Minor varicoloured lithic tuff and volcanic breccia
- UPPER TRIASSIC OR LOWER JURASSIC**
- IRON MASK BATHOLITH
  - UNIT 9 Reddish, hematite-rich, saussuritized microdiorite to micromonzonite, commonly crumbly, badly broken, and oxidized
  - 916 UNIT 8 Grey to very light grey, pyritic quartz, sericite altered fine-grained intrusive
  - UNIT 7 Dark green, massive epidote-chlorite-magnetite alteration
  - 944 UNIT 6 Light green-grey to light green saussuritized micromonzonite to microdiorite
  - 921 UNIT 5 Cherry Creek microdiorite to microsyenite porphyry
  - Intrusive porphyry breccia
  - Microsyenite porphyry dykes, inter and post-mineral
  - 946 UNIT 4 Sugarloaf (?) microdiorite porphyry
  - UNIT 3 Iron Mask (?) porphyritic microdiorite
  - UNIT 2 Iron Mask biotite-pyroxene microdiorite
  - 726 UPPER TRIASSIC
  - UNIT 1 Nicola Group? Dark green to purple saussuritized fine-grained pyroxene andesite and/or tuff
- 0 1 Fault and gauge zone, angle between prominent fracture set and core axis indicated on left side of log
- 20 Angle of bedding to core axis
- Qualitative distribution of various copper minerals shown on right side of drill log: solid line if abundant, dashed line if present in minor amounts
- Generalized assays of mineralized intersections from published sources shown on left side of drill log.
- Symbols used:
- 924 0.25 to 0.50 per cent copper
  - 946 0.50 to 1.00 per cent copper
  - 1.00 to 2.00 per cent copper
  - > 2.00 per cent copper
  - 921 Inferred boundary of mineralization

Figure 18  
**GEOLOGICAL PLAN AND DRILL PLAN  
 OF THE  
 AFTON DEPOSIT**  
 (Modified from company plans)



NOTE: Most of 1973 drill holes not shown

