

# GEOLOGIC MINE MAP, CLIPPER GOLD MINE, FAIRBANKS MINING DISTRICT, ALASKA

by  
T.K. Bundtzen, M.S. Robinson, J.T. Kline, and M.A. Albanese  
Assisted by D.N. Solie

## EXPLANATION

Precambrian - no stratigraphic position implied

- CHLORITE SCHIST: medium to dark-greenish gray, medium-grained, locally limonitically stained, graphite-bearing, biotite-chlorite schist. Commonly hosts low-angle shear zones; Clipper vein system flays within this unit.
- QUARTZ-MICA SCHIST AND QUARTZITE: light-gray, medium-grained, massive porphyroclastic quartzite interbedded with medium to dark-gray, medium-grained, biotite-muscovite schist. Quartzite-schist ratio varies from 1:1 to 3:1.
- PORPHYROBLASTIC SCHIST: light-gray to bleached, medium-grained, biotite-feldspar-quartz-muscovite schist; subequal porphyroblasts of undetermined alkali feldspar and quartz to 3 mm long.
- 'WHITE' SCHIST: yellow to white, bleached and limonitically altered, muscovite-rich schist and laminated muscovite quartzite. Similar to 'iron-rich schist' and varieties of laminated quartzite described by Bundtzen and Kline (1981) in the Grant mine workings.

- HIGH-ANGLE FAULT Arrows indicate Direction of Movement U=Upthrown Side, D=Downthrown Side,  $\alpha$  Shows Inclination in Degrees
- LOW-ANGLE REVERSE OR THRUST FAULT Teeth Point Toward Upper Plate
- SYNCLINE
- ANTICLINE
- INCLINED FOLIATION SHOWING DIP
- CRENUATION SHOWING PLUNGE
- INCLINED JOINT VERTICAL JOINT
- CLIPPER VEIN FAULT
- UNDIFFERENTIATED VEIN QUARTZ
- RAISE (Top of underground)
- RAISE (Bottom of Underground)
- Mn MANGANESE OXIDE
- HW HANGING WALL
- FW FOOTWALL
- WIDTH OF VEIN
- BACKFILLED STOPE
- WINZE
- CHANNEL-SAMPLE LOCATION (See Table I For Analytical Results)
- STRIKE AND DIP OF CLEAVAGE

