

GEOLOGY OF THE KWANIKA PROPERTY

Figure 59
LEGEND



- UPPER CRETACEOUS (?)**
- 10 POLYMICT BOULDER CONGLOMERATE - RED (HEMATITIC) MATRIX ; BOULDERS MAINLY GREEN ALTERED MED. GRAINED INTRUSIVE ROCK ; MINOR BLACK ARGILLITE BOULDERS ; BOULDERS APPEAR STEEPLY ORIENTED ALONG PINCHI FAULT TRACE
- HOGEM BATHOLITH**
- LOWER CRETACEOUS (?)**
- 9 QUARTZ MONZONITE ; GRANITE - ORANGE , MED GRAIN , LEUCOCRATIC TO HOLOFELSIC ; LOCALLY PORPHYRITIC HIGHLY FRACTURED AND FAULTED , RUSTY (PYRITE , LIMONITE) ; PERVASIVE SERICITIC ALTERATION OF FELDSPARS COMMON ; CUT BY DARK GREEN-BLACK APHANITIC DYKES
 - 6a HYBRID QUARTZ BEARING MONZONITE - PINK-GREEN MOTTLED LEUCOCRATIC , HIGHLY ALTERED (EPIDOTE ; CHLORITE , SERICITE , POTASH FELDSPAR , BIOTITE) LOCALLY HIGHLY SILICIFIED AND PYRITIZED ; MODERATE TO INTENSE FRACTURING ALONG COMPLEX CONTACTS WITH INTERFINGERING UNIT 9
 - 6 MONZONITE ; QUARTZ BEARING MONZONITE - GREY , ORANGE , BLACK MOTTLED , MED. GRAIN , MAINLY LEUCOCRATIC ; LOCALLY UP TO 40% MAFICS WITH MODERATE CHLORITE-EPIDOTE ALTERATION
 - 5 MONZODIORITE - DIORITE - GREY/BLACK , MED GRAIN , MAINLY MESOCRATIC (BIOTITE - HORNBLende) HAS QUARTZ BEARING VARIETIES LOCALLY FOLIATED , POTASH FELDSPATHIZED , WITH SECONDARY BIOTITE ALTERATION ; CUT BY PEGMATITIC EPIDOTE - QUARTZ - FELDSPAR DYKES , QUARTZ DIORITE DYKES
- UPPER TRIASSIC**
- TAKLA GROUP
- 2 BANDED ARGILLITE , BROWN BLACK , LOCALLY CONTORTED , CUT BY FELSIC DYKES ; MINOR GREYWACKE , LIMESTONE
- PERMIAN**
- CACHE CREEK GROUP
- 1a, 1b LIMESTONE , GREY , MASSIVE ; GABBRO , SERPENTINITE
- Unit numbers correspond to those appearing on the regional geology map of Kwanka Creek Area (Figure 57)

SYMBOLS

- GEOLOGICAL CONTACTS - APPROXIMATE, ASSUMED
 - JOINTS
 - FOLIATIONS
 - BEDDING
 - MINOR FAULTS
 - PINCHI FAULT ZONE, APPROXIMATE TRACE
 - OUTCROP AREAS INVESTIGATED
 - MAPPABLE RUBBLE AREA
 - AREAS OF GEOLOGICAL INTERPOLATION
 - AREAS OF OVERBURDEN COVER
 - DIAMOND DRILL HOLE LOCATION-VERTICAL, INCLINED
 - PERCUSSION DRILL HOLE
 - PYRITE, CHALCOPYRITE, MOLYBDENITE, CINNABAR, CHROMITE
- py, cp, mo, Hg, Cr

