

GEOLOGY

Indian Mountain Lake Zn-Pb-Ag-Cu
Deposit

District of Mackenzie, N. W. T.



LEGEND

- 7 Granitic rocks: 7a, biotite granite; 7b, granite with mafic inclusions; 7c, pegmatite
 - 6 Migmatite and high grade gneiss
 - Yellowknife Supergroup
 - 5 Greywacke and argillite; 5a, gneiss
 - 4 Exhalite: 4a, limestone, limy tuff, limestone-cemented breccia; 4b, pyritic, siliceous tuff; in places with graphite or magnetite
 - 3 Felsic volcanics (rhyolite, rhyodacite) undifferentiated: 3a, tuff or flow, massive to weakly foliated; 3b, tuff or flow, moderately foliated; 3c, breccia; 3d, ignimbrite; 3e, lapilli-tuff; 3f, gneiss; 3g, quartz porphyry; 3h, quartz-feldspar porphyry
 - 2 Intermediate volcanics (andesite, dacite) undifferentiated: 2a, massive; 2b, pillow lava, includes pillow breccia; 2c, dacite breccia; 2d, tuff and lapilli-tuff
 - 1 Mafic volcanics (basalt) undifferentiated: 1a, massive; 1b, pillow lava; 1c, breccia; 1d, well-layered tuff, with felsic layers
- Alteration Zones and Sulphide Bodies
- Garnet abundant; quartz, cordierite, biotite, muscovite, cummingtonite, anthophyllite, sillimanite, spinel, ilmenite, chalcocopyrite and pyrrhotite locally abundant
 - Garnet not present; quartz, biotite, muscovite, sillimanite, plagioclase locally abundant
 - Fractured, brecciated, silicified, bleached
 - Zinc, lead, silver zone
 - Copper zone

SYMBOLS

- Outcrop
- Geological contact (defined and approximate, assumed, from diamond drilling)
- Fault (approximate, assumed)
- Lineament from aerial photograph
- Bedding (inclined-tops unknown, inclined-tops known, vertical, overturned, dip unknown)
- Schistosity, foliation (inclined, vertical, dip unknown)
- Crenulation
- Lineation (1, elongation of breccia fragments, pillows, etc.; 2, boudin neck; 3, intersection of bedding and cleavage)
- Minor fold axis (anticline, syncline)
- Syncline (inferred)
- Trench

