

GEOLOGY

Indian Mountain Lake Zn-Pb-Ag-Cu Deposit

District of Mackenzie, N.W.T.

0 Feet
200 400

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

