

004901

JOHNSON LAKE AREA:

AGATE BAY:

Also known as: Try Me, Rankin Group, Karen, Joe
Minfile number: 0B2M-053
Map number: 006; Lat. 51.080N Long. 119.750W

Location: The showing exposed at the shore line near the northern end of the Squam Bay.

Host Rock: Fine-grained quartz-sericite schist are interbedded with chloritic schist (EBAA). These greenstones are highly altered and contain swells of carbonates (calcite and ankerite). This unit, mapped as part of the felsic package of the Eagle Bay Formation, bare more resemblance to the more mafic sequence (like the unit EBG) found northward and on the other side of the lake.

Structure: The mineralization occurs within a highly altered schist package. The main foliation strikes in average at N70oW and dips from 22o to 55o NE. Abundant small faults disrupt the schists.

Mineralization: Low grade Pb-Zn-Cu occurs in quartz veins. Two types of veins cut the host rocks: 1) narrow (1 to 3cm) closely spaced veins more or less conformable to the schistosity. 2) discontinuous larger veins (8 to 40cm) scattered through the schists, as pods or lenses. All the vein like masses pinch and swell erratically and are cut off by faults. In both occurrences, the sulphides are erratically distributed and consist of pyrite, sphalerite, and trace of galena and Chalcopyrite in a quartz, calcite and ankerite gangue. Tourmaline was also reported in these veins (BCDM, 1961).

Sample description: Euhedral galena grains in quartz-calcite swells were found in altered greenstone specimens.

References: BCDM ASS RPT 4135.
BCDM MMAR 1961 pp. 53-55.