

NOTS. 82M12

FOGHORN:

Also known as: Gopher, Shamrock
 Minfile number: 082M-008, 7029, 030, 040, 108 ?
 Mineral Inventory number: 82M12-Cu2, Ag1
 Map number: 005; Lat. 51.540N Long. 119.930W

Production as listed in Minfile: Foghorn 73 tonnes of ore
 (1916-17)

88,364 g Ag
 57,276 kg Pb

Location: The property is at approximately 2000m elevation on the Foghorn Mountain, 6.5km south of Birch Island.

Host Rock: The property is underlain by rusty weathered feldspar-chlorite schist and sericitic quartzites (EBFq) but the mineralized veins are adjacent to siliceous and limy schists. The Baldy batholith, exposed in the southern part of the property at the Granite Mountain, is surrounded by fine to medium grained biotite quartz gneiss with interlayered amphibolite and pelitic hornfels. Porphyry dykes of felsic affinities intruded the host rocks near the mineralized zones. The presence of these intrusives bodies in the area is probably responsible for both the silicification of the host rocks and for the sulphide rich veins.

Structure: The Foghorn showings are located on the northern limb of an east-west striking antiform in very close proximity to a major thrust fault. The direction of the vein (NE with variable dip orientation) is at high angle with the mainly northward striking direction of the fault. Small scale structures, drag folds for example, indicate that original bedding has been deformed and probably transposed into tight isoclinal folds now seen as foliation (striking N300E dipping 800W).

Mineralization: Quartz vein segments occur through the schist, their distribution is not continuous and may therefore represents a system of small veins rather than a major discontinuous vein. The segments are locally heavily mineralized with galena, sphalerite and pyrite. In places chalcopryrite also occur but only in minor amounts (disseminated chalcopryrite is found in more significant amounts in the nearby Lydia prospect). The width of the segments is of approximately 35cm, they strike at about N350E and dip in various direction some of them are vertical.

F. Gaultier 1986
 M. T. Lewis

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Sample Description: Samples were collected from the old workings area. The galena occurs with minor amounts of sphalerite and pyrite, trace of malachite and azurite in quartz gangue.

References: BCDM ASS. RPT. 11381, 3820.
BCDM OPEN FILE.