ENARGITE:
Also known as: North Star, Ace
Minfile number: 082M-064, 065
Map number: 004; Lat. 51.35oN Long. 119.99oW

Production as listed in Minfile:
From the south showing 31 tonnes of ore (1954):

280 g Ag
1,561 kg Cu

From the north showing tonnes of ore (1972):

3,452 g AG
1,341 kg Pb
651 kg Zn

Location: The property at the head of Birk Creek is at the summit of the division between the valley of Barriere Creek and the north Thompson River.

Host rock: The Enargite vein occurs at,or really close to, the contact between a fine grained meta sedimentary package of the Eagle Bay Formation (composed of phyllite, slate, interbedded siltstone and sandstone and various limestone horizons: subunit EBPl), and the meta-basalt of the Fennell Formation (lFu).

Structure: The vein strikes N15oW and dip 45oW. The rocks in the area strike almost vertically and near the vein the host rock are highly disturbed.

Mineralization: The sulphides are hosted by a strong quartz vein (45cm wide) bordered by gouge material probably related to the presence of the fault occuring between the two formations. The mineralization, mainly galena, is irregularly distributed and occur in pockets separated by sulphides barren segments. In some place along the vein disseminated sulphides are found in the adjacent carbonatic host.

Sample description: Coarse galena and quartz were collected from vein material barren of any other sulphides.

References: BCDM EXPL. IN BC. 1978, pp. E108.
BCDM GEM 1974, p. 97.
BCDM MMAR 1927, p. 190.

F. Goutier 1986
M. Thesis