

MINERAL OCCURRENCE DATABASE

OCCURENCE NUMBER:	E13-003
OCCURENCE NAME:	Canfield Creek Cu Pb Zn Prospect (Canfield Point)
COMMODITIES:	Cu, Pb, Zn, Ag
MINERALS:	chalcocite, malachite, bornite
STATUS:	Prospect
COUNTY:	Cumberland

CLAIM INFORMATION (Coordinates in UTM NAD83)					
Claim Map	Tract	Claim	Easting	Northing	Zone
11E/13A	40	K	448462	5072206	20

HOST ROCK INFORMATION		
Stratigraphic Unit	Age	Host Rock(s)
Malagash Formation	Carboniferous	grey arkose

LOCATION DIRECTIONS

The old shaft is located on the west side of the creek near its mouth. Esso Minerals Resources Limited defined a mineralized zone 1 km east of Canfield Creek. The deposit is indicated on Nova Scotia Department of Mines and Energy Map 90-13.

GEOLOGICAL DESCRIPTION

PREVIOUS WORK

Copper occurs as chalcocite in sandstone lenses, as concretions and as a replacement or deposition on plant remains. No evidence of a shaft could be seen in a 1985 field check by R. J. Ryan. Some minor malachite stained grey, medium grained, arkosic sandstone occurs as float at the point near the mouth of Canfield Creek. Esso Minerals delineated, by way of 25 diamond-drillholes, a mineralized zone of 300,000 tons of 1. 2% Cu (probable). Traces of silver were also found. The mineralization occurs as as chalcocite and bornite replacing plant material in grey, fine- to medium-grained, laminated arkoses. The mineralization occurs at the red grey boundry at depths up to 100 meters.

SITE DESCRIPTION

COMMENTS

Esso Minerals Canada defined a mineralized zone of 300,000 tons of 1. 2% Cu (probable). There is no evidence of the ore pinching out.

BIBLIOGRAPHY

Piers, H. date unknown; Economic Minerals of Nova Scotia; NSDME AR 1906.

Shumway, G. 1951; Sedimentary copper, Tatamagouche area, Unpub. M.Sc. Thesis, M.I.T.

Nova Scotia Department of Mines and Energy; Assessment Report, AR 11E/13A 13-E-33(01 & 02).

Ryan, R. J 1986: Geology of the Tatamagouche syncline; Geological Survey of Canada, Open File Report 1257, 101 p.

Ryan et al.; Geology, geochemistry and exploration applications for Permo-Carboniferous redbed deposits of the Cumberland Basin; Geological Association Canada, Paper 36, p. 245-256.

POSSIBLE RESTRICTIONS

UPDATED

Field checked by R. J. Ryan, 1985.

Updated by J. Gillespie, 1977; K. White-Smith, 1982; R. J. Ryan, 1991.