

NAME OF PROPERTY SARAH

OBJECT LOCATED - location from Geology, Exploration, and Mining, 1973.

UNCERTAINTY IN METRES Lat. 56°29' Long. 125°58'

Mining Division **Omineca** District **Cassiar**

County Township or Parish

Lot Concession or Range

Sec Tp. R.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located between elevations of 5,000 and 7,000 feet on the east side of Croydon Creek, 8 miles north-west of Aiken Lake.

Roots (1954) indicated a cobalt occurrence on Map 1030 A in this vicinity.

The Sarah 1-50, Caroline 1-16, and Caroline 17 Fraction claims were owned by Stellac Exploration Ltd. Work during 1972 and 1973 included geological mapping and a geochemical rock chip survey (180 samples).

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The area is underlain by Upper Triassic and Later Takla Group andesite and basalt flows and by part of the Croydon Creek stock which belongs to the Upper Jurassic or Lower Cretaceous Omineca Intrusions. The stock varies from hornblende to hornblende diorite and from fine grained to pegmatitic. It contains abundant inclusions of the volcanic rocks, and is successively injected by aplite and quartz-feldspar porphyry dykes. Pyrite, chalcopyrite, and malachite, with very minor bornite, coat fractures in the mafic intrusive and are disseminated in clots of hornblende and pyroxene. Veins of massive chalcopyrite as much as 1 foot wide occur in northeast-striking shear zones.

Roots (1954) reported: "a little cobalt bloom was observed coating fractures in small quartz veins in hornblende diorite east of Croydon Creek."

Associated minerals or products of value - Cobalt.

HISTORY OF PRODUCTION

REFERENCES

Roots, E.F.; Geology and Mineral Deposits of Aiken Lake  
 Map-Area, British Columbia; Memoir 274, p. 202, Geol.  
 Surv. of Canada, 1954.

Geology, Exploration, and Mining; British Columbia Dept.  
 of Mines: 1973, p. 398 + .

MAP REFERENCES

Map 1030 A, Aiken Lake, (Geol.), Sc. 1":4 miles - accomp.  
 Memoir 274.

Map 94 C, Mesilinka River, (Topo.), Sc. 1:250,000.

REMARKS

Comp./Rev. By	DMacR						
Date	6-76						