NAME OF PROPERTY

PAY (CINCINNATTI, LITTLE LOTTIE, GOLDEN GATE)

OBJECT LOCATED - Cincinnatti - #84 - Map 92 H/NE (MI).

UNCERTAINTY IN METRES 4.00. Lat.

Lat. 49°54'50"

Long. 120°34'45"

Kamloops

Mining Division Nicola

District

County

Township or Parish

Lot

PRODUCT

Concession or Range

Sec

Tp.

R.

#### OWNER OR OPERATOR AND ADDRESS

#### **DESCRIPTION OF DEPOSIT**

The country rocks consist of Upper Triassic Nicola volcanics. Trenching near the northwest corner of the group has uncovered andesite and trachyte flows and flow breccias. The rocks are well altered to carbonate and chlorite and are more or less epidotized. A fault, marked by closely spaced shear planes but little crushing, strikes north 70° east and dips 85° northwest. The mineralization is chalcopyrite, bornite, and chalcocite disseminated in finely brecciated andesite.

HISTORY OF EXPLORATION AND DEVELOPMENT

A number of showings occur near the southerly end of the Fairweather Hills, west of the south end of Alleyne Lake,

approximately 3 miles southeast of Aspen Grove.

Exploration work on the Cincinnatti group began in about 1899 and by 1901 the group comprised 6 claims, the Cincinnatti, Bank of England, Noble Five, Queen of West, Newport, and Copper Butte Fraction, owned by the Bate Brothers. Initial development work was done in open cuts. The Cincinnatti (lot 1127) and Bank of England (Lot 1130) were Crowngranted in 1903 to Samuel J. Bate and John E. Bate, respectively.

The Little Lottie group, located in a southerly direction from the Cincinnatti and comprising the Little Lottie, Lottie Fraction, and Happy Jack claims, was owned by Messrs. Lowe and Brown from about 1900. These claims, Lots 1190, 1191, and 1187, respectively, were Crown-granted to A.E. Howse, E.P. Lowe and Jas. Brown in 1905.

The Golden Gate claim, located northerly from the Cincinnatti, was owned by John Finn in 1901 and Crown-granted (Lot 1332) to A.R. Carrington in 1905. The Medal claim, adjacent to the Golden Gate, was owned by J.B. Bate in 1901.

Subsequent work on the Cincinnatti group was done in a crosscut adit which by 1913 had been driven 400 feet. In 1915 the Cincinnatti group comprised 8 claims owned by J.E. Bate of Aspen Grove and associates.

Payco Mines Ltd. acquired the Pay 1-40 claims in this vicinity and during 1963 carried out a program of trenching, diamond drilling, and bulk sampling; three separate mineralized zones were investigated. Further limited surface exploration, trenching and diamond drilling was reported during 1964-1965. Some experimental tests in bacterial leaching were carried out during this period.

Alscope Consolidated Ltd. optioned the property in 1966 and carried out an induced polarization survey; five anomalous zones were outlined. Additional work in 1966 and 1967 included geological mapping on 20 claims, bulldozer stripping, 2,840 feet of diamond drilling in 25 holes and 700 feet of percussion drilling in 3 holes. Measured, indicated and inferred reserves were estimated at about 2,000,000 tons averaging 1.0% copper. (Ref. Northern Miner, Dec. 15, 1966).

p.t.o. ....

### MAP REFERENCES

Map 888 A, Princeton, (Geol.), Sc. 1":4 miles - accomp. Memoir 243.

#Map 94 H/NE (MI), Tulameen, Mineral Inventory Map, British Columbia Dept. of Mines, Sc. 1":2 miles.

\*Map 92 H/15, Aspen Grove, (Topo.), Sc. 1:50,000.

## REMARKS

# Comp./Rev. By DMacR DMacR Date 02–77 02–82

#### REFERENCES

Reports of Minister of Mines, British Columbia:
1899, p. 742; 1900, pp. 899, 900; 1901, pp. 1088,
1089, 1182, 1183; 1903, p. 246; 1904, p. 239;
1905, pp. 202, 203, 255; 1913, p. 223; 1915, p. 226;
1928, p. 223; 1963, p. 55; 1964, p. 96; 1965, p.
156; 1966, p. 168; 1967, p. 174.

Rice, H.M.A.; Geology and Mineral Deposits of the Princeton Map-Area, British Columbia; Memoir 243, pp. 93, 94, Geol. Surv. of Canada, 1947.

Mineral Policy Sector; Corporation Files: "Payco Mines Ltd."; "Alscope Consolidated Ltd."; "Gold River Mines & Enterprises Ltd."; "Westward Energy & Resources Corp.".

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1974, p. 125; 1978, p. E 152.

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)
Gold River Mines & Enterprises Ltd. held the EM 1-16, Kiwi
1-4, Ton 1-14, Mike 1-12, and Joey 1-4 claims in this
vicinity in 1973. Work during the year included magnetometer and electromagnetic surveys over 24 line-miles, and
2,830 feet of surface diamond drilling in 13 holes on EM 4
and 16. This work is reported to have indicated a potential
of up to 20,000 tons averaging 1.20% copper (Ref. Northern
Miner, Feb. 7, 1974).

Showings in this vicinity were acquired in 1978 as the AG claim (12 units) owned by Westward Energy & Resources Corp., and as the AK claim (12 units) owned by Cal Dynamic Energy Corp. A magnetometer survey was carried out over 24.6 kilometres.

BCI - 92 H/NE - 80, 83, 84, 85