

(114P/10E)

48.7±1.9, 50.2±1.6 m.y.). Post-mineralization movements on transverse (northeast to east-northeast) faults complicate the geology and disrupt the continuity of some of the mineralized zones.

Della Mines Ltd. has investigated a molybdenum-bearing zone associated with the granite stock on Mount Haskin and on the basis of 21 diamond-drill holes has reported 13.5 million tons averaging 0.15 per cent molybdenite to a depth of 500 feet. Since 1971 work has been concentrated on the east slope showings (Della 'B' zone) about 1 mile southeast of the granite porphyry stock. Here pyrrhotite, sphalerite, chalcopyrite, some pyrite, galena, and supposedly native bismuth and bismuthinite are found in lenses and disseminated replacements along limestone contacts with chert, siliceous argillite, and granitic dykes or sills. The mineralized limestone beds have been silicified and metasomatized to a dense, fine-grained calc-silicate rock.

To date a strike length of approximately 1,300 feet has been followed underground but the geometry and continuity of the mineralization is complicated by faulting. The mineralization has an overall dip of about 40 degrees to the west. The 1972 exploration programme extended the adit by about 500 feet on a more northerly heading and a crosscut was driven westward into the hangingwall from near the end of the adit. A new portal was prepared to the east of the Della 'B' adit some 250 feet lower in elevation and a future exploration programme is expected to advance this adit westward to test the down-dip continuity of the mineralization.

WORK DONE: *Underground workings mapped; surface geological mapping, 1 inch equals 50 feet covering Dako 2; underground geological mapping, 1 inch equals 20 feet covering Joem 1 and 2; road construction, 4.5 miles; trenching, 1,386 feet on Dako 2; stripping, 6,956 square feet on Dako 2; underground work, 1,342 feet of tunnelling on Joem 1 and 2; underground diamond drilling, 25 holes totalling 3,872 feet on Joem 1 and 2.*

REFERENCES: *B.C. Dept. of Mines & Pet. Res., G.E.M., 1971, pp. 57, 58; Derry, D. R., 1949, Assessment Report 48; Gabrielse, Hubert, 1963, Geol. Surv., Canada, Mem. 319, McDame Map-area, Cassiar District, British Columbia, 138 pp.; Christopher, P. A., White, W. H., and Harakal, J. E., 1972, Age of Molybdenum and Tungsten Mineralization in Northern British Columbia, *Can. Jour. Earth Sc.*, Vol. 9, No. 12, pp. 1727-1734.*

TATSHENSHINI RIVER 114P

BORNITE, CAT (No. 31, Fig. G)

LOCATION: Lat. 59° 34.6' Long. 136° 35.7' (114P/10E)
ATLIN M.D. At approximately 4,000 feet elevation on the south slope of Mineral Mountain in the Rainy Hollow area, 3 miles southwest of Mile 53 on the Haines road.

CLAIMS: CAT 1 to 253.

ACCESS: By Haines road, 110 miles south from Haines Junction.

(114P/10E)

OWNER: Panther Mines Ltd.
OPERATOR: CANEX PLACER LIMITED (formerly Canex Aerial Exploration Ltd.),
800, 1030 West Georgia Street, Vancouver 5.
METALS: Copper, molybdenum, lead, zinc.
DESCRIPTION: Granitic rocks in a zone of brecciation or multiple intrusion contain copper and molybdenum mineralization over an area 800 feet by 400 feet on Cat 92. Skarn mineralization occurs in metasedimentary rocks to the south of this area.
WORK DONE: Surface geological mapping, 1 inch equals 100 feet covering Cat 92; induced polarization survey, 2 line-miles covering Cat 92, 113, and 115; road construction, 2 miles on Cat 91-93, 112, 114, and 115; stripping, 25,000 square feet on Cat 2, 11, 13, 44, 62, 63, and 84; surface diamond drilling, four holes totalling 1,088 feet on Cat 92 and 115.
REFERENCE: *B.C. Dept. of Mines & Pet. Res., G.E.M., 1970, p. 23.*

LUNAR (No. 7, Fig. G)

LOCATION: Lat. 59° 41' Long. 136° 37.2' (114P/10E)
ATLIN M.D. Between 3,400 and 4,500 feet elevation 1 mile west of Mile 68.5 on the Haines road.
CLAIMS: LUNAR 1 to 5, 7, 9 to 14, 23, 24; MAG 1, 2, 5, 6; BERG 2, 5 to 8.
ACCESS: By caterpillar trail from the Haines road, 1 mile.
OWNER: ERWIN KREFT, 13 Tutshi Road, Whitehorse, Yukon Territory.
METALS: Silver, lead, zinc.
DESCRIPTION: Metamorphosed Permo-Carboniferous sedimentary rocks are intruded in the southeast corner of the claim group by granodiorite and quartz diorite. Mineralization occurs in southeasterly trending zones as magnetite or pyrrhotite with galena, sphalerite, and silver values.
WORK DONE: 1971 – geochemical survey covering Lunar 1-6, 10, 12, and 14; 1972 – magnetometer survey, 1 line-mile covering Lunar 12-14; geochemical soil survey, 30 samples covering Lunar 23-25 and Berg 2 and 8; trenching, approximately 40 cubic yards on Lunar 1, 5, and 12 and Mag 2 and 5.
REFERENCES: *B.C. Dept. of Mines & Pet. Res., G.E.M., 1969, p. 28; Assessment Report 3427.*