

PRODUCT COPPER
PRODUIT

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE

British Columbia

N.T.S. AREA 94 D/3
RÉGION DU S.N.R.C.

REF. CU 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

IN (JKB) (MOTASE A)

OBJECT LOCATED - Descriptive data - 7 miles south of Sustut-
OBJET LOCALISÉ Skeena Rivers junction.

UNCERTAINTY 3000 m. Lat. 56°13' Long. 127°23'
FACTEUR D'INCERTITUDE Lat. Long.

Mining Division Omineca
Division minière

District
District

Cassiar

County Township or Parish
Comté Canton ou paroisse

Lot Concession or Range
Lot Concession ou rang

Sec. Tp. R.
Sect. Ct. R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

A prominent rust-stained mountain is due to an elongated, fractured, northerly trending pyritized zone developed within a Jura-Cretaceous sedimentary and volcanic sequence intruded by essentially two types of Tertiary feldspar porphyry. The intrusive rocks (biotite and quartz feldspar porphyry) appear to be dyke-like with irregular contacts. Pyrite and chalcoppyrite occur as disseminations and in fracture and quartz vein fillings within both types of porphyries. A hornfels zone with secondary biotite and abundant disseminated and fracture-filled pyrite and minor chalcoppyrite envelopes the intrusive masses.

Trace amounts of molybdenite is associated with quartz veining. Magnetite and hematite are also locally abundant and occur as blebs and as veinlets. Minor veinlets carrying sphalerite and galena were also noted. Oxidation has occurred to depths of at least 45 metres.

Sampling returned 0.39% Cu and 0.80 oz/t Ag across a trenched exposure of 90 feet (Windflower Mining Ltd, Prospectus, Feb. 1, 1985, p. 10).

HISTORY OF EXPLORATION AND DEVELOPMENT
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The property is located at 1 500-1 650 metres elevation about 30 km west of the north end of Bear Lake and 160 km north of Smithers.

Kennco Explorations, (Western) Limited held the ground as the Motase A group of 70 claims in 1965-66. Work included a reconnaissance geochemical survey and 182' of diamond drilling in 2 holes.

Canadian Superior Exploration Limited in 1968 restaked the showings as the JKB 1-20 claims and carried out geological and geochemical surveys. The company subsequently restaked the ground as the IN 1-38 claims. Work in 1972 included a magnetometer survey over 12 line-miles and 341' of diamond drilling in 3 holes on IN 4. In 1973 the property was expanded to include the IN 1-80 and Con 1-99 claims. Work by the company in 1973 and 1976 included a magnetometer survey over 74.5 line-miles, a geochemical soil survey (1,968 samples), trenching and 1 205 metres of diamond drilling in 9 holes on IN 4, 6 and 24 Fr.

Cities Service Minerals Corporation held an option on the property in 1977. Diamond drilling totalling about 440 metres in 2 holes was carried out in a previously untested zone.

Windflower Mining Ltd acquired the IN group (18 claims) from Canadian Superior by an agreement dated June 1, 1983.

503352

Associated minerals or products - Silver, lead, zinc.
Minéraux ou produits associés

Reports of Minister of Mines, British Columbia:
1965, p. 72; 1966, p. 81; 1968, p. 119.

Geology Exploration and Mining; British Columbia Dept.
of Mines: 1972, p. 479; 1973, p. 405; 1976,
p. E 172.

Geological Fieldwork; British Columbia Dept. of Mines:
1976, p. 65; 1977, p. 69.

Geology in British Columbia; British Columbia Dept. of
Mines: 1976, p. 109+.

Mineral Policy Sector; Corporation Files: "Windflower
Mining Ltd."

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 94 D, McConnell Creek, (Topo.), Sc. 1:250,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	08-85						