

PRODUCT

GOLD

PROVINCE OR  
TERRITORY

British Columbia

N.T.S. AREA 93 L/9

REF. AU 1

NAME OF PROPERTY

SUSAN, JACK RABBIT

OBJECT LOCATED - showing.

UNCERTAINTY IN METRES 200.

Lat. 54°33'57" Long. 126°24'27"

Mining Division Omineca

District Range 5 Coast

County

Township or Parish

Lot

Concession or Range

Sec

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

## DESCRIPTION OF DEPOSIT

Chalcopyrite, pyrite, and minor magnetite occur in a north-west trending quartz feldspar porphyry dyke and in an adjacent fault cutting epidotized Hazelton Group volcanic Rocks. Mineralized widths, as exposed in trenches, generally vary from stringers to about 6 inches, although in one open cut a width of 4 feet is exposed, containing a seam of chalcopyrite 15 inches wide. A sample across the 4 feet assayed: gold, 0.30 ounce per ton; silver, 2.6 ounces per ton; copper, 2.5%. A sample across the 15 inch seam assayed: gold, 1.24 ounces per ton; silver, 5 ounces per ton; copper, 9.4%.

Associated minerals or products of value - Silver, copper.

## HISTORY OF EXPLORATION AND DEVELOPMENT

The showings are located about  $\frac{1}{4}$  mile east of the east fork of Johnny David Creek, on a tributary of the east fork,  $3\frac{1}{2}$  miles north-northeast of Perow.

The showings were discovered in 1928 by Johnny David and Matthew Sam, and staked as the Jack Rabbit group. Mr. F.H. Taylor who had incorporated the Topley Richfield Mining Company, Limited, optioned the property in 1928 and drove a 75 foot drift adit in a southeasterly direction; the option was subsequently given up. The owners in 1930 drove a 36 foot long crosscut from the face of the adit to explore the footwall of the mineralized zone; trenching was also carried out at that time. Further surface work was reported in 1933.

The Susan, Helen, Dana, and Diane groups, totalling 71 claims, were held in 1969-70 under the name "Tagus Syndicate". Geochemical, biochemical, induced polarization, electromagnetic, and magnetometer surveys were carried out in 1969.

Phelps Dodge Corporation of Canada, Limited, held the property in 1973 as the Saw 1-34 claims. Work included geological mapping, and a ground magnetometer survey of 4 line-miles covering the entire property.

120637

Mineral Development Sector, Department of Energy, Mines and Resources, Ottawa.

HISTORY OF PRODUCTION

REFERENCES

Reports of Minister of Mines, British Columbia: 1928, p. 177; 1930, p. 144; 1933, p. 99.

Hanson, George, and Phemister, T.C.; Topley Map-Area, British Columbia; Summary Report 1928, Pt. A., p. 76, Geol. Surv. of Canada.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1970, p. 157; 1973, p. 342.

MAP REFERENCES

Map 671 A, Houston, (Geol.), Sc. 1":4 miles (1942).

Map 69-1, Smithers, Hazelton, and Terrace Areas, (Geological Compilation), Sc. 1":4 miles, British Columbia Dept. of Mines.

Map 5312 G, Topley, (Aeromag.), Sc. 1":1 mile.

#Map 93 L/9 W, Topley, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
Date	1-76						