

EXATON RESOURCES LTD.

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SIBOLA AND TWINKLE LAKE PORPHYRY COPPER PROSPECTS

Location 70 miles southwest of the town of Houston, B.C. by road at 53° 50' N and 127° 09' W, Mapsheet No. 93E/14.

Property

- Claims: Twinkle Lake Block - 40 units
Sibola Claim - 18 units
- Owners: Exaton Resources Ltd. - 40%
Gary D. Belik - 40%
Jim Gillis - 20%

District Geology

The Tahatsa Lake area is one of British Columbia's major porphyry copper districts where a total resource of more than 800 million tons averaging 0.40% copper has been identified by exploration drilling, mainly during the 1960's and early 70's. There are five deposits within an area of 300 square miles as follows:

Berg	400 MMT	0.46% Cu
Whiting Cr.	40 MMT	0.17% Cu
Huckleberry	100 MMT	0.55% Cu
Ox Lake	27 MMT	0.30% Cu
Poplar Lake	260 MMT	0.37% Cu

A feasibility study has been completed on the Huckleberry, and it is scheduled for production in 1997.

The region is underlain by Jurassic volcanic and sedimentary rocks of the Hazelton group. Porphyry copper mineralization is associated with felsic intrusive stocks of Cretaceous to lower Tertiary age. Molybdenum, gold and silver accompany the disseminated copper sulphide deposits and at the Berg there is a significant copper enriched chalcocite blanket.

For the most part, the known copper deposits are located at higher elevations and were found by helicopter-supported geological reconnaissance and stream sediment sampling programs. The heavily timbered mountain slopes and valley bottoms were not as easily explored and still have potential for the discovery of large ore bodies. Access to the area is considerably improved at this time through the progressive development of logging roads.

The subject properties cover two porphyry copper prospects 5 km north of Twinkle Lake and 10 km to the west along the Berg access road, on the north flank of the Sibola Range. Both are attractive drilling targets in overburden covered areas defined by geophysical features and a few shallow percussion drill holes.

Twinkle Lake Prospect

In 1973, Hudsons Bay Oil and Gas carried out geological mapping and an induced polarization survey at Twinkle Lake followed by percussion drilling in 1974 and 1975. It was called the Pam prospect at that time. In 1991, Kingsvale Resources Ltd. carried out further geological mapping, some soil sampling and relocated the old drill holes. The area of interest is covered by more than 15 metres of overburden. A few small outcrops and logs from 22 percussion holes were used by Kingsvale to map a concentric phyllic-potassic alteration zone within a large chargeability anomaly which is 3 km x 2 km as defined by the 20 mv/volt contour. The potassic core of the alteration zones has not been drilled; it is 600 metres in diameter with indicated chargeabilities of 60 to 80 mv/volt. One of the shallow percussion holes on the edge of the potassic zone has anomalous copper values of 240'/0.11% copper.

The target has a permissive volume of approximately 165 million tonnes to a depth of 210 metres and could be tested with three diamond drill holes totalling 1,000 metres in length. The original drill cuttings were not assayed for gold which would be included in the proposed drilling program.

Sibola Prospect

This prospect was called the Sylvia by Hudsons Bay Oil and Gas in 1974 when they carried out geophysical surveys as well as soil sampling followed by percussion drilling (16 holes - 2880 feet). In 1991, Kingsvale Resources Ltd. carried out a program of geological mapping, rock sampling and relocation of old drill holes. One of the percussion holes drilled by Hudsons Bay intersected 206 feet averaging 0.33% copper (gold not reported) on the flank of a chargeability feature resulting from a partly completed IP survey. The trend of the chargeability high and the pattern of alteration and pyritization along a buried intrusive contact suggest an arcuate target area 1200 metres in length that includes the mineralized drill hole. This target has a permissive volume of about 95 million tons to a depth 210 metres and could be tested by completing the IP survey and drilling two diamond drill holes totalling 600 m in length.

SMOKE
MTN.



TO BESE
DEPOSIT

SIBOLA 1

TWINKLE
LAKE 2
TWINKLE
LAKE 1

BERB ACCESS ROAD

TO HOUSTON

TWINKLE
LAKE

NEEDLE
LAKE

SIBOLA
CK.

SIBOLA
PEAK

TO
TANTSIA LAKE

WHITING
CK.



CLAIM MAP

SIBOLA & TWINKLE LAKE CLAIMS
OWINCA MINING DIVISION
BRITISH COLUMBIA

Tech. Work by:
G. BELIK & ASS. LTD.

SCALE: 1:100,000

Dwn. by: DBM

Date: November / 91

Figure No. 1056 - 2