

ATLAS EXPLORATIONS LIMITED

330 MARINE BUILDING
355 BURRARD STREET
VANCOUVER 1, B.C.

PROPERTY EXAMINATION #9

ROCKLAND MINES

82-F-14

SUMMARY

The Rockland Mines occurrence is localized within a shear zone in the Western Flank of the Nelson batholith copper values ranging from 0.6% to 1.0% have been reported. The shear zone was drilled by Consolidated Mining and Smelting several years ago and more recently by Rockland Mines. A small zone of mineralization was outlined.

CONCLUSIONS

The property has been tested sufficiently to render it of no further interest to us at present.

RECOMMENDATIONS

I have spoken to Enrie Butcher on the telephone and explained our position to him.

INTRODUCTION

The property was brought to John Brock by Dave Hawkins of Rockland Mines. His description of the work done on the property led us to believe that a good porphyry copper prospect might have been overlooked. Approximately 6 hours were spent on the property.

LOCATION

The property is located co-ordinates $49^{\circ}54'N$ and $117^{\circ}20'W$ high on a mountainside on the east side of Slocan Lake.

ACCESS

By four-wheel-drive vehicle or a jeep road which leaves Highway No. 6 at a point 3 miles south of the village of Silverton, B.C.

PROPERTY AND OWNERSHIP

Rockland Mines Ltd., Vancouver, B.C. picked up the property after it was allowed to lapse by C.M. & S.

TOPOGRAPHY

The terrain is mountainous and heavily wooded with spruce pine and Arbor vitae. The shear zone lies approximately 3000' above the level of Slocan Lake.

HISTORY OF THE OCCURRENCE

The area was originally prospected for gold in the 1880's. Several old Adits are still open. Values were apparently low so the miners moved on. Copper values were discovered in the Willa Shear zone in the late fifties by C.M. & S. It was drilled and the property deserted. Rockland drilling was done in the fall of 1969.

GENERAL GEOLOGY

The Willa shear is localized within Metavolcanic rocks in the vicinity occur as 'roof-pendants' within the Nelson granitic rocks. "Quartz-porphyry" dykes have been described in reports on the property; this appears to be a name applied to a pyritized leuco granite which occurs below the Willa Shear.

MINERALIZATION

Oxide copper occurs near surface in the Will Shear zone. At depth the mineralization is mainly chalcopyrite and is localized along minor fractures. (From my examination of splite core from the best hole I could not believe that it could give copper values as high as 0.6%). Rock chip geochem was done for 10 samples from the area. (See appended values and sample descriptions)

MINERALIZATION (contd.)

SLO-3 is a sample of a quartz-moly-hematite vein in the bed of Daisy Creek.

COMMENTS

The original representation was that Alfie Allen had done a rubianic acid soil-geochem survey for copper. In fact AA analyses had been made for Cu and Mo. When these became available I plotted them and contoured them to see if any further targets for exploration would come out. Anomalies coincided approximately with the Willa Shear. No further zones of interest were discovered.

Copies of reports on the property by Bacon and Crowthers, and Alfie Allen are on file in Vancouver Office. As well, prints of my work-sheets on the geochem and a geological map made by C.M. & S. are also there.

M.E. Coates
July 12, 1970

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ASSAYS

- SLO-1 - is a chip from granite float just above most northerly DDH on Rockland Property.
- SLO-2 - is a chip from a sample containing hydrothermal biotite; north tributary of Daisy Creek.
- SLO-3 - is a sample from Moly-bearing shear zone which crosses Daisy Creek under the waterfall.
- SLO-4 - is a sample of Moly-bearing granite from an outcrop on the cliff above the most northerly DDH.
- SLO-5 - is a sample of fractured and sulphide enriched core from most northerly diamond-drillhole.
- SLO-6 - is a sample of fractured and mineralized granite from above the falls on Daisy Creek.
- SLO-7 - is a sample of metasediment from above falls on Daisy Creek.
- SLO-8 - is a sample of quartz and arsenopyrite from Adit 100 yards north of DDH at north extremity of Rockland drilling.
- SLO-9 - is a sample of soil from the North Adit at Rockland property.
- SLO-10 - is a sample of pyritized granite from the Rockland property.

- Whit 2 - is a sample of pyritic porphyry from a dyke on the west flank of the syenite stock on Whiteman Creek.
- Whit 4 - is a sample of red syenite from the central part of the Whiteman Creek stock.
- Whit 6 - is a sample of Tertiary granite from the east side of the Whiteman Creek Stock.