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George Cross News Letter

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NO. 26 (1994)
FEBRUARY 8, 1994

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ATNA RESOURCES LTD.

[ATN-V] 9,006,288 shs.

ECSTALL POLYMETALLIC - Peter R. Delancey, president, reports DEPOSIT ACQUIRED

Atna Resources Ltd. has agreed to acquire from Falconbridge Ltd. the

Ecstall mineral property located 72 km southeast of Prince Rupert,

B.C. SEE MAP OVERLEAF P.1. The Ecstall property, consisting of about 3,000 hectares enclosing 21 Crown-granted claims and two surface claims, have the potential to host one or more large polymetallic massive sulphide deposits. Historical expenditures are over \$8,000,000. Atna will purchase a 100% interest on undisclosed terms, subject to a 3% net smelter return royalty (reducible to 2%) to Falconbridge.

The property hosts the 7,000,000-ton Ecstall deposit grading about 0.6% copper, 2.5% zinc, 0.5 grams gold/tonne and 20 grams silver/tonne and including a copper-rich zone of 600,000 tons grading 2% copper. The deposit was explored in the early 1900's by Granby. Texas Gulf purchased the property in 1930 as a potential source of sulphur (48.4%) and in the 1950's completed exploration work consisting of drilling and underground development. No significant exploration has been carried out on the deposit since the 1950's and only recently has it been recognized as a polymetallic volcanogenic massive sulphide deposit hosted in metavolcanic rocks. Results of limited sampling by Falconbridge indicated anomalous gold (1,700 ppb) and barium (48,200 ppm) values are associated with the mineralization. During a cursory examination of the deposit, a banded pyrite/sphalerite boulder grading 12% zinc and a large massive chalcopyrite boulder grading 23% copper were discovered in Red Gulch Creek, which exposes the deposit.

In 1986 and 1987 Falconbridge carried out exploration programs to determine if other centres of mineralization and alteration were present within the large claim group. Results were most encouraging in the Thirteen Creek area, located 1.5 km southwest of the Ecstall deposit. Disseminated and stringer copper mineralization, and local banded zinc mineralization occur over a 200-meter wide succession. Results from Falconbridge's sampling gave values up to 8% copper, 6% zinc, 26 grams silver/t and 4.9 grams gold/t. Roughly coincident with the mineralization is a large copper/gold/barium soil anomaly, highly altered felsic rocks as determined by lithochemical studies, and strong EM conductors.

The Ecstall property offers considerable potential for the discovery of higher grade ore along strike and down dip from the Ecstall deposit and for the discovery of a new deposit in the Thirteen Creek area. (SEE GCNL NO.18, 27Jan94, P.3 FOR OTHER DATA)

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P 10FZ

ATNA RESOURCES LTD.
LOCATION MAP
BRITISH COLUMBIA

YUKON

NWT

BRITISH COLUMBIA

• Prince Rupert
• Terrace

Ecstall Property

• Prince George

ALBERTA

Vancouver Island

• Kamloops

• Vancouver

