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**Birch Mountain Minerals Ltd**

**TAS EXPLORATION PROPOSAL**

February, 1995

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**Location :** Approx 150 km northwest of Prince George BC and 50 km north of Fort St. James B.C. NTS 93 K/16

**Access :** From Fort St. James by all weather logging roads.

**Claims :** Nine claims, consisting of 114 units.

**Previous Work :**

Noranda initially conducted soil geochemistry which outlined copper-gold anomalies. Follow-up trenching and drilling delineated five volcanic hosted massive sulphide zones rich in gold. Noranda also conducted ground magnetometer and IP surveys. A large soil geochemical copper - gold anomaly is coincident with a chargeability high and a narrow resistivity low. Only the periphery of these anomalies has been tested by drilling and trenching. Most of the previous drilling tested the massive sulphide zones. By 1989 4,360 meters of drilling in 61 holes had been completed.

**Geology :**

The property is located within the Triassic - Jurassic Takla Group volcanics and sediments in the Quesnel Trough. The Takla volcanics underlying the Tas property are a sequence of intermediate tuffs, dikes and flows, volcanoclastics and siltstones. The volcanics have been intruded, fractured and intensely hornfelsed by a number of dikes ranging in composition from feldspar porphyry to diorite.

North trending irregular, discontinuous, tabular massive sulphide zones are sheared and brecciated. The sulphide zones consist of an anastomosing system of "veins" and sulphide stringer zones containing pyrite and pyrrhotite with minor chalcopyrite, magnetite and hematite. The Red Hill Zone, trenched for a length of 60 meters yields a chip sample average grade of 10.16 g/t Au over 2.65 meters. The other zones yield chip sample grades of up to 60 g/t over 2.4 meters.

Trenching of the coincident soil - IP anomaly resulted in exposing fracture controlled sulphide mineralization hosted in hornfelsed tuff and feldspar porphyry intrusive. A chip/grab sample assayed 0.12 % Cu over 16.5 meters. Diamond drilling resulted in weak copper and gold values. Only the periphery of the anomaly has been tested.

A recent airborne gamma ray spectrometric survey conducted by the Geological Survey of Canada indicates a potassium enrichment anomaly over the property. This anomaly is similar to the Mt. Milligan potassium anomaly in size and magnitude.

**Proposed exploration :**

It is proposed that soil sampling, trenching and geologic mapping and a IP survey be conducted before determining drill targets. A high resolution aeromagnetic survey would compliment the IP survey.

**Exploration Budget :**

High resolution aeromag		\$ 50,000
Ground IP	20 km incl line cutting	\$ 50,000 -
Camp	setup (split)	\$ 10,000
Personnel	1 geol, 1 sampler, 1 cook (75 mandays, \$500 per day includes meals)	\$ 40,000 -
Back hoe	trench	\$ 20,000
Assays	rock (200 @ \$30)	\$ 6,000
	soil (600 @ \$10)	\$ 6,000
Ortho map	map, photos	\$ 10,000
Misc	travel, comm, shipping, sundries	\$ 6,000
Report preparation		<u>\$ 5,000</u>
	Sub total	<u>\$153,000</u>
	Supervision and Overhead (20%)	\$ 30,600
	Contingencies (20%)	<u>\$ 30,600</u>
	TOTAL	<u>\$214,000</u>