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**820673**

**MOUNT ARMOUR PROJECT**

**1985 WORK PROPOSAL**

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## INTRODUCTION

The MOUNT ARMOUR Project is situated immediately southeast of Barriere, B. C., about 60km north of Kamloops. This 18 unit property is 100% CFC owned and was staked in 1983 to cover known massive and semi-massive pyritic mineralization within rocks of the Paleozoic Eagle Bay Formation, which hosts the Rea Gold and Homestake deposits.

## 1984 PROGRAMME

An integrated program of geological mapping and lithogeochemical sampling was carried out on the MOUNT ARMOUR Project in 1984. Approximately 18 kms of grid was established for mapping control. The detail mapping and sampling programme was carried out in order to define the geological setting of the massive sulphides and to search for hydrothermal alteration patterns associated with the sulphides.

## RESULTS

The property is underlain by a stratigraphic sequence grading from basalts at the base, through cherts and argillites, quartz wackes, quartz pebble conglomerates and up into limestone and limestone cobble breccias. These units have been warped into a broad syncline with tight isoclinal folds on the limbs. Lateral, as well as vertical facies changes are apparent.

Mineralization occurs at two horizons within cherty argillites some 400m. and 500m. respectively above the basalt-sediment contact. Trenching has revealed finely bedded, fragmental and massive sulphides (pyrite-pyrrhotite) containing up to 470 ppb Au and 1700 ppm Cu. Underlying sediments are extensively altered to clay with a quartz-pyrite stockwork zone underlying one of the sulphide zones.

Although the style of mineralization suggested thus far on Mt. Armour is of the volcanogenic massive sulfide type, the presence of anomalous gold values throughout the cherty argillite also suggests that structurally controlled shear type gold mineralization is also a valid target.

The 1985 program on the MOUNT ARMOUR Project is designed to:

- a) extend the known massive sulphide zones through -
  - i) linecutting
  - ii) mechanical trenching
  - iii) ground geophysics
  - iv) detail mapping
  - v) diamond drilling
  
- b) explore for structurally controlled shear type gold mineralization through -
  - i) linecutting
  - ii) detail soil sampling
  - iii) detail rock sampling
  - iv) detail mapping
  - v) diamond drilling

A proposed timetable for the 1985 exploration program is as follows:

October 28 - November 11	Linecutting/soil sampling
November 4 - November 15	Mapping/rock sampling
November 12 - November 18	Geophysics
November 16 - November 20	Mechanical Trenching
November 20 - November 30	Compilation, Interpretation, and Drill Target Selection
December 1 - December 15	Diamond Drilling

A specific breakdown of the proposed program and the costs of each technique is as follows:

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LINECUTTING:

Tighten up grid to 50m line spacing between Line 350N and Line 800S. Chain at 25m intervals. Add lines at 275S and 525S to pass over massive sulphide trenches.

COST:	10.8 km @ \$330/km	\$3,564
	<u>Supervision</u>	<u>\$ 300</u>
	TOTAL	\$3,864

SOIL SAMPLING:

Sample "B" Horizon soils on all grid lines between 350N and 800S. Sample interval will be 12.5m to cover narrow zones. Analyze soil samples for gold copper and zinc by atomic absorption.

COST:	1320 samples	
	Collection @ \$3.00/sample	\$3,960
	Analysis @ \$7.50/sample	\$9,900
	<u>Plotting/Interp @ \$2.00</u>	<u>\$2,640</u>
	TOTAL	\$16,500

TRENCHING

To trench and extend known sulphide zones by excavator. Approximately 3 days.

COST:	25 hours @ \$80/hour	\$2,000
	Mob/Demob	\$ 500
	<u>On site supervision</u>	<u>\$ 600</u>
	TOTAL	\$3,100

MAPPING & SAMPLING

Geologist to detail map and sample the area around the trenches and the area to be soil sampled in order to better define the lithology, alteration and structural controls of the mineralization.

COST:	Geologist 10 days @ \$200/day	\$2,000
	Samples - 100 @ \$15/sample	\$1,500
	<u>Supervision</u>	<u>\$ 400</u>
	TOTAL	\$3,900

GEOPHYSICS

Dipole-Dipole IP to try to trace the mineralized zones and horizons along strike and down plunge. IP to use 50m dipole spacing.

COST:	LP. 10 days @ \$1200/day	\$12,000
	<u>Interpretation</u>	<u>\$ 1,000</u>
	TOTAL	\$13,000

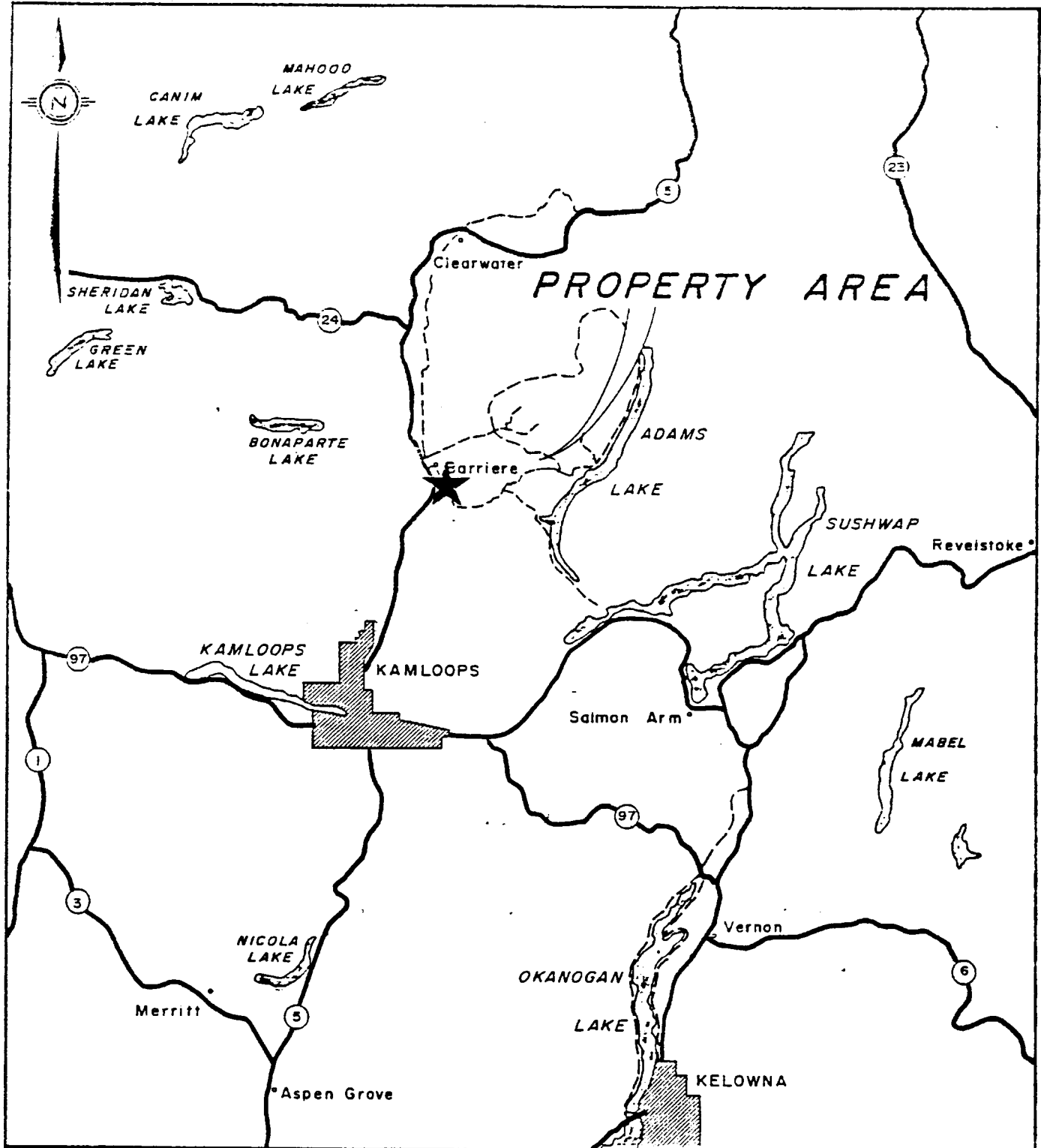
DIAMOND DRILLING

To test geophysical, geological and soil geochemical anomalies - 2 to 3 holes.

COST:	Target Selection 6 days @ \$400	\$ 2,400
	<u>500 metres @ \$80/metre</u>	<u>\$40,000</u>
	TOTAL	\$42,400

TOTAL COST:

Linecutting	\$ 3,864
Soil Sampling	\$16,500
Trenching	\$ 3,100
Mapping/Sampling	\$ 3,900
<u>Geophysics</u>	<u>\$13,000</u>
SUB-TOTAL 1985	\$40,364
<u>Administration (12%)</u>	<u>\$ 4,844</u>
TOTAL 1985	\$45,208
<u>Diamond Drilling</u>	<u>\$42,400</u>
SUB-TOTAL	\$87,608
<u>Administration (12%)</u>	<u>\$ 5,088</u>
GRAND TOTAL	\$92,696



MOUNT ARMOUR PROJECT  
LOCATION MAP

