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GREAT PLAINS DEVELOPMENT
COMPANY OF CANADA, LTD.,

1976 PROGRAM
MACKENZIE JOINT VENTURE

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I. SUMMARY

Evaluation of the claims staked during the 1974-1975 reconnaissance programs will be required to determine their potential for economic mineral deposits. Three of the groups; LAURA, BUH, and BEV have been subjected to surface geological work while the fourth, the CU claims, will require basic evaluation.

II. LOCATION

The BEV claims are located 130 miles northeast of Mayo, Yukon on the Bonnet Plume River (N.T.S. 106-E-1). The BUH and LAURA claims are located .45 miles east of the BEV claims in the headwaters of the Snake River (N.T.S. 106-F-2). The three groups are in the Mayo Mining District.

The CU claims are located in the Redstone River area, 20 miles northwest of Dal Lake (N.T.S. 95-M-6 and 7). Dal Lake is 192 miles east-northeast of Ross River, Yukon.

III. HISTORY

The BEV, BUH and LAURA claims were staked during the 1974-75 reconnaissance programs.

The BEV claims were staked in 1974 on a geochemical silt and soil anomaly which showed above normal zinc values. The claims were subjected to intensive prospecting, mapping and soil sampling without adequately defining the cause of the anomalous zinc values in soils and streams.

The BUH and LAURA claims were staked in 1975 on showings of sphalerite in carbonate breccias. The claims were covered by a grid which was used to control mapping and soil sampling on a scale of 1 inch = 200 feet.

The CU claims were staked in September 1975, as a result of a G.S.C. release indicating extensive copper mineralization in the Copper Cap Formation in the Redstone River area of the Mackenzie Mountains, N.W.T.

IV. GEOLOGY

The geology of the BEV, LAURA and BUH claims has been reported in detail in the 1975 Project Yearend Report. The claims cover Precambrian and Lower Cambrian porous carbonate units deposited in a basin margin environment.

The CU claims occur in the shoreline facies of marine sediments deposited in a dry desert environment. Similar geological environments are described in the Rhodesian Copper Belt. (G. Eisbacher G.S.C. pers. comm.; Geology of the Rhodesian Copper Belt, Mendelsohn 1961, G.S.C. Memoir 366). Assay values of up to 8% over 40 feet have been reported on the Shell claims on strike with the CU claims.

V. PROPOSED PROGRAM

The BUH and LAURA claims show potential for Mississippi Valley type lead-zinc deposits. Therefore a "Winkie Drill" program would be used to test the showings at depth.

Two holes would be drilled on an outcrop near Post #2, LAURA #1 and 2. Another hole is proposed on the stream bed at Post #1 LAURA #1 and 2. Coordinates are 00 North, 1700 East, and 00 - 00.

Two holes are proposed near the existing trenches on the BUH claims. The proposed coordinates are 600 East, 100 North and 1000 East and 50 North.

Three shallow holes are proposed for the BEV claims on the more prominent geochemical anomalies.

The drilling program would be conducted between May 25 to June 14th.

The program on the CU claims would be carried out June 14 - 26th. The two people working on the drill program, a senior geologist and assistant would move to Ross River and fly out to Dal Lake. The program would consist of stream silt sampling (CHex), soil sampling and mapping. The program would involve completing sufficient work to evaluate the potential of the group and apply assessment credit for one year. Helicopters would be available in the vicinity. Shell will have a Bell 204 which Great Plains has permission to use at this date.

VI. ESTIMATED EXPENDITURES

Fixed Wing 4 x 130 x \$1.80	\$ 1,872.00
Helicopter ML-LAURA cl.	\$ 2,400.00
move camp to BUH	\$ 600.00
move out	\$ 2,400.00
Fuel Haul	\$ 470.00

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Fuel	\$ 280.00
Groceries and Supplies	\$ 800.00
Travel, rentals	\$ 660.00
Drilling 1,000 feet @ \$3/ft	\$ 3,000.00
3 men at \$50/day - 21 days	\$ <u>3,150.00</u>
	\$15,632.00
	\$ <u>1,563.00</u>
	\$ <u>17,195.00</u>

Dal Lake

Fixed wing - 2 trips Ross River - Dal Lake	\$ 1,200.00
Helicopter 2 hours @ \$300/hour	\$ 600.00
Fuel 2 bbl @ \$150.00	\$ 300.00
2 geologists - 7 days work @ \$50/day	\$ 700.00
Travel 4 days @ \$50	\$ 400.00
Supplies	\$ 800.00
Assaying 300 samples @ \$3.00	\$ 900.00
Travel, rentals	\$ <u>550.00</u>
	\$ 5,450.00
	\$ <u>545.00</u>
	\$ <u>5,995.00</u>

Grand Total	\$17,195.00	
	+	\$ <u>5,995.00</u>
		\$ <u>23,190.00</u>