

Property/Project

Name : Cat Mountain
 NTS : 94C/3
 Claims : CAT1-15-BET1
 (total 210 units)
 Acreage : 12,973 acres
 Commodities: Cu, Au

Authors

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Agreements

BET1 claim - Option to earn 100% by Lysander Gold Corporation. CAT 1 & 2 claims, and CAT claims within 3 km sphere of influence will be subject to joint venture agreement between BP Resources Canada Limited and Lysander Gold Corporation. Claims outside the 3 km radius are held 100% by Lysander Gold Corporation.

History

Past Exploration Techniques	By Whom	Amount	Type	Cost
1960's	Croydon Mines		Mapping, trenching, drilling	
1974-9;	BP Minerals	12 km ²	Mapping, trenching, geochemistry, geophysics, drilling	\$150,000
1984	BP Minerals		Geochemistry (Au)	
1989	Lysander	2.5 km ²	Geochemistry, magnetics	\$150,000
	Lysander		drilling	\$150,000

Geology

Regional Talka andesitic to basaltic volcanics comprising flows, pyroclastics and volcanoclastic sediments along the east margin of the Hogum Batholith have been intruded by syenite and monzonite stocks.

Local Andesitic and basaltic lapilli tuffs and minor augite porphyry flows have been intruded by small stocks and dikes of syenite to monzonite composition.

Alteration/

Ore Forming Minerals Potassic alteration accompanied by chloritization and epidotization. Ore minerals include native gold, chalcopyrite, magnetite, specularite, bornite, and pyrite.

Current Exploration Results

1989

i) Geology Geological mapping was conducted only within excavated pits and along portions of trenches. The mapping identified numerous small intrusive bodies of syenite to monzonite which were weakly to moderately mineralized, and highly altered wall rocks which were more strongly mineralized. Major northward trending structures up to 25m wide appear to be the focus of mineralization and intrusion.

ii) Geochemistry Soil survey at a 25 X 50m density defined a high contrast anomaly, 500m wide and 1800m long where values generally exceed 40 ppb Au and 200 ppm Cu. Lithochemical followup by pitting and trenching identified at least 5 major mineralized zones (20m wide) trending northwards across the top of the mountain.

iii) Geophysics A ground magnetic survey comprising some 47 km identified major magnetic anomalies and magnetic lows. Cu-Au anomalies are found in both magnetic environments.

iv) Sampling NQ diamond drilling has been conducted in 7 holes totalling 550m in 1989.