



Occurrence Details

Occurrence Number: 116B 113
Occurrence Name: Pettet
Occurrence Type: Hard-rock
Status: Showing
Date printed: 6/15/2025 11:45:59 AM

General Information

Secondary Commodities: copper, gold, uranium
Aliases: Rob
Deposit Type(s): Iron Oxide Breccias & Veins (Wernecke Breccias)
Location(s): 64°51'9" N - -139°18'14" W
NTS Mapsheet(s): 116B14
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Rob cl 1-12 (YA10495) in Jul/77 by the Blackstone Project (Union Miniere Explorations and Mining Corporation Limited and Shell Canada Resources Limited), which explored with grid soil sampling, mapping and reconnaissance radiometric surveys in 1977 and 1978. In Aug/89 Rob cl 7-12 (YA10495) expired. The remaining Rob claims were transferred to Major General Resources Ltd in Aug/90. The company added Rob cl 7-24 (YB52469) in Aug/94. The northern boundary of the claims butt up against the Olympic claims, (Minfile Occurrence # 116B099).
In 1994 Pendle Resources Ltd obtained an option to explore the Rob claims. Pendle hired Equity Engineering Ltd to carry out the work. In Aug/94 Equity carried out geological mapping, prospecting and rock, soil and stream sediment sampling.
In Jun/96, High Sense Geophysics Ltd under contract to Equity Engineering Limited flew a regional, helicopter borne, magnetic and radiometric survey over most of the Coal Creek Inlier. In Jun/97 Major General Resources Ltd staked Europa cl 1-39 (YC04416) on the south and east boundary of the Rob claims. The company also carried out prospecting, linecutting, ground IP and magnetic surveys on the Rob claims.

Capsule Geology

The area is underlain by Lower Proterozoic Fairchild Lake Group pinkish brown silty dolostone, minor mudstone and quartzite; Lower Proterozoic Quartet Group well bedded black shales, minor conglomerate and carbonate rocks; and irregularly shaped monolithic and heterolithic cross-cutting breccias of the Middle Proterozoic Wernecke Breccia unit. These rocks in turn are cut by Middle Proterozoic diorite/gabbro dykes of the Hart River Group (?). The claims straddle the 'Northern Breccia Belt' (Lane et al., 1992).
Mineralization and results include; (1) sparse chalcopryrite and trace pitchblende in 1-30 cm quartz-ankerite veins and several grid soil assays greater than 4 000 ppm Cu (Burgoyne, 1978); (2) disseminated to semi-massive chalcopryrite, minor chalcocite and galena with rocks assaying up to 10.8% Cu, 47.0 ppm Ag, 2 976 ppm Co and 625 ppb Au; (3) a 200 m by 200 m gossan coincident with a Cu soil grid anomaly 150 m by 400 m with Cu-Co often occurring together; (4) several anomalous Cu silt samples (Falls & Baknes, 1995); (5) magnetite in the area of higher grade copper values (Butler & Lebel, 1998).
Alteration comprises strongly carbonate-altered sediments in the gossan mentioned above. Also, chlorite is common in a matrix of crushed rock, dolomite, minor calcite, hematite and specularite within the Wernecke Breccia unit.
Ground geophysics outlined a linear high caused by mafic dykes and a buried 'crescent-shaped' anomaly coincident with anomalous soil geochemistry (Butler & Lebel, 1998). Regional airborne geophysics outlined numerous northeast trending features which are interpreted to be a graben.
This and several other similar occurrences (Minfile 116B 068, 099, 102) are located along the Monster Fault, a steep east-west normal structure of Proterozoic age which is down thrown to the north.

References

BLACKSTONE RESOURCES INC, Stock Prospectus, Jan/97.
EQUITY ENGINEERING LTD, Apr/95. Assessment Report #093297 by R. Falls and M. Baknes.
ETHERIDGE HENLEY WILLIAMS & HIGH SENSE GEOPHYSICS LIMITED, Feb/97. Assessment Report #093600 by Allen Duffy et al.
GEORGE CROSS NEWSLETTER, 4 Sep/96.
LANE, R.A., AND GODWIN, C.I., 1992. Geology of the Ogilvie Mountains Breccias, Coal Creek Inlier (NTS 116B/11,13,14), Yukon Territory. Exploration and Geological Services Division, DIAND, Open File 1992-1.
MAJOR GENERAL RESOURCES LTD, Jan/98. Assessment Report #093771 by S.P. Butler.
MINERAL INDUSTRY REPORT 1977, p.56; 1978, p. 29.
MINFILE OCCURRENCES 116B 068, 099, 102.
UNION MINIERE EXPLORATIONS AND MINING CORPORATION LIMITED, Jul/78. Assessment Report #090346 by A.A. Burgoyne.

Work History

Date	Work Type	Comment

12/31/1997	Ground Geophysics	Also magnetic survey .
12/31/1997	Other	
12/31/1996	Airborne Geophysics	Also magnetic survey , flown over the Coal Creek Inlier .
12/31/1994	Geochemistry	
12/31/1994	Geology	
12/31/1994	Geochemistry	
12/31/1978	Geochemistry	
12/31/1978	Geology	
12/31/1978	Geochemistry	
12/31/1977	Geology	
12/31/1977	Geochemistry	
12/31/1977	Ground Geophysics	Also EM survey .

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
093600	1996	Logistics Report for a Helicopter Magneitc and Gamma-Ray Spectrometer Survey of the MONSTER Property	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics		
093297	1994	1994 Geological Report on the ROB 1-24 Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other		
090346	1977	Geochemical Copper Soil Survey on the ROB 1-12 Claims	Soil - Geochemistry, Line Cutting - Other		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC006779	Notes - Rob Uranium property		Property File Collection	Miscellaneous Company Documents
ARMC004670	Summary report - Rob uranium property		Property File Collection	Report
ARMC016783	Geochemical map - 116B/14		Property File Collection	Geochemical Map

Drill core at YGS core library

Number	Property	Year Drilled	Core Size	Photos	Data
ROB-07-01	Rob	2007	HQ	10	4
ROB-07-02	Rob	2007	HQ	12	4