



Occurrence Details

Occurrence Number: 115F 041

Occurrence Name: Cats And Dogs

Occurrence Type: Hard-rock

Status: Showing

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General Information

Secondary Commodities: copper, gold, nickel, palladium, platinum

Aliases: Klux

Deposit Type(s): Ultramafic Mafic Gabbroid Cu-Ni-PGE

Location(s): 61°51'37" N - -140°18'57" W

NTS Mapsheet(s): 115F16

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Cat, Dog, etc cl (65425) in Apr/53 by Canalask Nickel Mines Ltd, a new company formed by Ontario Nickel Mines Ltd and Frobisher Ltd, following an aeromagnetic survey by Lundberg Exploration Ltd. Frobisher's interest was later transferred to Quebec Metallurgical Industry Ltd. Canalask built a winter road to the property and attempted to drill but was unable to penetrate the overburden.

Restaked as Bean cl 1-4 (Y5585) in Apr/66 by R.A. Dickson and as NICU cl 1-4 and 9-16 (Y18122) in May/67 by General Enterprise Ltd, which built a new road and bulldozer trenched later in the year.

Restaked as JJ cl 1-22 (Y24922) in May/68 and GG cl 1-56 (Y26293) in Oct/68 by P. Versluis and R. Hilker, who carried out bulldozer trenching in 1969; partially restaked as M cl 1-14 and 19-61 (Y77302) to the northwest in Oct/73; hand trenched in 1973-74; and staked more claims in 1974 and 1975. The property was optioned to Western Mines Ltd (Brascan) in 1975, which carried out geological mapping, prospecting and bulldozer trenching later that year and additional geological mapping in 1976 before terminating the option.

Restaked as Cats cl 1-12 (YA96439) in Oct/86 by Klum Joint Venture (All-North Resources Ltd and Chevron Minerals Ltd), which added Cats cl 13-20 (YA96587), Dogs cl 1-16 (YA96608) and Liberty cl 1-12 (YA96624) in Dec/86. In Apr/87 the property was optioned to Silverquest Resources Ltd, which carried out prospecting and geochemical rock and soil sampling in 1987. Harjay Exploration Company Ltd tied on 11 non-consecutively numbered Pillow cl (YA97385) to the west in May/87 and carried prospecting and sampling in 1988.

Archer, Cathro and Associates (1981) Ltd restaked the showing as the Klu cl 1-24 (YB47016) in Jul/94 and as Klux cl 1-26 (YC18459) in Mar/2000 on behalf of the Donjek Joint Venture (Expatriate Resources Ltd and Strategic Metals Ltd). All but four claims (Klux cl 13-16) were subsequently allowed to lapse before the joint venture carried out geological mapping, prospecting and geochemical rock sampling in 2001. Ownership of the remaining four claims was transferred to Expatriate in Oct/2002 and subsequently to Stratagold Corporation in May/2003.

Capsule Geology

The original claims were staked over a 300 gamma, elliptical aeromagnetic anomaly about 3.2 km long that is mapped as being underlain by Pennsylvanian to (?) Lower Permian volcanic and sedimentary rocks of the Wrangellia Terrane. Copper-nickel float was reportedly found at several localities associated with a younger, possibly Late Triassic, serpentinized peridotite sill about 30 m thick.

The 1975-76 work was located about 1.6 km northwest of the earlier work. Detailed mapping outlined two distinct styles of mineralization. Most significant are stratiform, disseminated and lenseoid or laminated pyrite, chalcopyrite and pyrrhotite in mineralized zones up to 0.3 m thick within a 360 m thick sequence of mineralized andesitic flows and tuff that can be traced for 2 km.

Small showings outside the mineralized horizon include chalcopyrite and pyrite in quartz veins in tuff and argillite; chalcopyrite in shears in argillite; and disseminated chalcopyrite, pyrite and magnetite in brecciated coarse-grained tuff. Specimens assayed in 1987 returned 0.31% Ni from peridotite with 2% pyrrhotite, and 1.2% Cu from pyroclastic rocks. PGE values were anomalous with up to 137 ppb Pt and 160 ppb Pd.

Mapping in 2001 noted the presence of mafic and ultramafic on the property including gabbro and diorite and the previously identified peridotite. All of these rock types contain varying amounts of pyrrhotite and chalcopyrite, ranging from 1% pyrrhotite in the peridotite to 15-18% combined pyrrhotite and chalcopyrite in the hybrid(?) gabbro. Sampling was limited to five grab samples of mineralized gabbro, with the best assay results returned from a piece of rusty weathering float (T30950) which assayed 31 ppb Au, 120 ppb Pt, 690 ppb Pd, 6 020 ppm Cu and 2 790 ppm Ni.

References

CAMPBELL, S.W., 1976. Nickel-copper sulphide deposits in the Klum Ranges, Yukon. Exploration and Geological Services Division, DIAND; Open File 1976-10.

CAMPBELL, S.W., 1981. Geology and genesis of copper deposits and associated host rocks in and near the Quill Creek area, Southwestern Yukon. Unpublished Ph.D. thesis, University of British Columbia, 1981.

EXPATRIATE RESOURCES LTD, Jan/2002. Assessment Report #094241 by R.A. Duncan and T.L. Tucker.

GORDEY, S.P. and MAKEPEACE, A.J., 2003. Yukon Digital Geology, version 2.0, S.P. Gordey and A.J. Makepeace (comp); Geological Survey of Canada, Open File 1749 and Yukon Geological Survey, Open File 2003-9(D).

HULBERT, L.J., 1997. Geology and Metallogeny of the Klum Mafic-Ultramafic Belt, Yukon Territory, Canada: Eastern Wrangellia & A new Ni-Cu-PGE Metallogenic Terrane. Geological Survey of Canada Bulletin 506, 265 p.

MINERAL INDUSTRY REPORT 1975, p. 130-131.

SILVERQUEST RESOURCES LTD, Oct/87. Assessment Report #091994 by W.D. Eaton.

WESTERN MINES LTD, 1976. Assessment Report #090146 by S.W. Campbell.

YUKON EXPLORATION 1987, p. 241-242.

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Work History		
Date	Work Type	Comment
12/31/2001	Geochemistry	
12/31/2001	Geology	
12/31/2001	Other	
12/31/1987	Geochemistry	
12/31/1987	Geochemistry	
12/31/1987	Other	
12/31/1969	Trenching	
12/31/1967	Trenching	
12/31/1967	Development, Surface	
12/31/1953	Airborne Geophysics	
12/31/1953	Development, Surface	
12/13/1988	Geochemistry	
12/13/1988	Other	

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
094933	2007	Assessment Report for White River (""CanAlask") Ni-PGE	VTEM - Airborne Geophysics, Rock - Geochemistry, Bedrock Mapping - Geology, Regional Bedrock Mapping - Geology, Petrographic - Lab Work/Physical Studies, Prospecting - Other, Data Compilation - Pre-existing Data		
094599	2006	NI 43-101-Compliant Report on the 2006 Exploration Program on the White River Nickel Project-Xstrata plc (Falconbridge Ltd.)	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Line Cutting - Other, Prospecting - Other		
091994	1997	Report on Geological Sampling and Prospecting Performed for Silverquest Resources Ltd at the Liberty Property	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
090146	1976	Geological Report, M Claim Group	Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Prospecting - Other		
092054	1953	Report on the Geophysical Surveys in the Shakwak Valley Area, Yukon Territory for CanAlask Nickel Mines Limited.	Magnetic - Airborne Geophysics		