



Occurrence Details

Occurrence Number: 105H 016

Occurrence Name: Tuchitua

Occurrence Type: Hard-rock

Status: Deposit

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General Information

Secondary Commodities: chrysotile, copper, gold, jade/nephrite, lead, silver, zinc

Deposit Type(s): Ultramafic Mafic Jade (Nephrite)

Location(s): 61°16'53" N - -129°47'10" W

NTS Mapsheet(s): 105H05

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

The northwest end was staked as Porkpine cl 1-8 (74010) and EKO cl 1-8 (74018) in Oct/58 by J. Smarch and E. Hammer. The entire property was restaked as Gen 1-24 (74490) in Oct/59 by G. Rapson, E. Brodhagen and N. Zinchuk and examined by Cassiar Asbestos Corp Ltd later in the year. In 1960, the Dim cl 1-4 (75122) were added by B. Countryman and the property was optioned to Wescan Development Ltd, which hand trenched and drilled 19 x-ray holes (147 m).

Later staking includes Patsy cl (88723) in Jul/64 by H.C. Fromme at the southeast end; Sowden cl 11, 13 and 15 (Y42501) in Jul/70 by K. Ebner, who bulldozer trenched at the northwest end in 1971; and Green Stuff cl 1-6 (Y94476) in May/76 by G. Bouchard at the northwest end. The Green Stuff claims were optioned by Arctic Jade Ltd, which performed more trenching in 1977.

The entire property was restaked as Hiralph cl 1-8 (YA34742) in Aug/78 and Tisnot cl 1-16 (YA45097) in Aug/79 by Teslin Joint Venture (Cassiar Asbestos Corporation Ltd, Cominco Ltd and Exploram Minerals Ltd), which explored with mapping, sampling and a magnetic survey in 1979. The northwest end was restaked in Jul/85 as Sue cl 1-2 (YA73514) by G. Sckopke. H. Caesar staked Beaver cl 1-8 (YB15344) 5 km to the east in Aug/88, and added Otter cl 1-6 (YB33628), Owl cl 1-4 (YB33642), Mudhen cl 1-8 (YB33530) and Pika cl 1-4 (YB33225) between July and September, 1990. In Apr/96 Caesar restaked Mudhen claims as Mudhen cl 1-4 (YB59283).

Between Sept and Nov/95 Westmin Resources Ltd. staked Hang cl 1-453 (YB69525) 5 km to the north and carried out airborne geophysical surveying later that year. The occurrence was restaked by Westmin as Tack cl 1-557 (YB78704) in Mar/96. The company then completed regional reconnaissance of the Hang and Tack claims by carrying out prospecting and geological mapping traverses across stratigraphy and soil, silt and rock sampling along claim lines. In 1997, Westmin carried out geological mapping (1:10 000) and geochemical sampling (rock, silt and soil) on the southern Tack claims.

Capsule Geology

Chrysotile veinlets up to 9 mm long occur in two showings at either end of a 3 km long serpentinite sill intruded between metavolcanics and argillite of Devonian-Mississippian age. Magnetic response suggests that the sill is continuous under overburden between the two showings.

The northwest showing also contains numerous jade boulders derived from alteration zones at the margins of rodingite dykes. Several tonnes of jade were shipped from the property between 1977 and 1979.

The Tuchitua Project, a regional reconnaissance program encompassing a large area surrounding the original occurrence was undertaken by Westmin in 1995 and focused on the volcanogenic massive sulfide potential of this portion of the Finlayson Lake belt. The Finlayson Lake belt is a layered sequence of mid Paleozoic, metamorphosed and deformed sedimentary and volcanic rocks of the Yukon-Tanana Terrane which host numerous massive sulfide occurrences, including the Wolverine and Kudz Ze Kayah deposits (Minfile Occurrence #105G 072 and #105G 117, respectively). Remapping of the area directly to the northwest, by the Yukon Geology Program (Murphy and Piercey, 1999) indicates that the area is underlain by Pennsylvanian to Permian rocks of the Campbell Range Succession which overly and are part of the Yukon-Tanana Terrane.

A number of scattered polymetallic base metal soil anomalies were detected in the north-central portion of the Tack claims and several Ag and Au spot highs were detected in the northeastern portion of the Hang claims. Specifically, two Ag anomalies up to 12 ppm Ag occur on the northern portion of the Hang claims. A single sample from the southeastern Hang claims returned a value of 50 ppb Au and one sample from the northern Tack claims ran 180 ppb Au. An area of anomalous Cu values occurs in the central portion of the northern Tack claims where values range up to 181 ppm Cu. To the southeast scattered high Cu values range up to 195 ppm Cu. Pb concentration in soil ranges up to 66 ppm, with most of the higher values concentrated in the north central portion of the Tack claims. Similarly, the highest Zn value, 350 ppm Zn, is located in the north central portion of the Tack claims.

Apart from a Zn soil anomaly (peak value of 1 125 ppm) on the southern Tack claims, only a couple of spot highs for Au (125 and 90 ppb) and an isolated Pb anomaly (1 600 ppm) were detected during the 1997 program. Geological mapping carried out in 1996 and 1997 led Westmin to conclude that the prospective stratigraphy hosting the Wolverine deposit does not extend onto the Tack claims and based on the lack of any significant alteration or mineralization detected on the property all of the claims have subsequently been allowed to lapse.

References

G. BOUGHARD AND R. SNOWDEN, Apr/77. Assessment Report #090187 by B. Price.

MINERAL INDUSTRY REPORT 1979, p. 209.

MURPHY, D.C. AND PIERCEY, S.J., 1999. Geological map of parts of Finlayson Lake and Frances Lake map areas, southeastern Yukon. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1999-4.

TESLIN JOINT VENTURE, Feb/80. Assessment Report #090578 by R.J. Cathro.

WESCAN DEVELOPMENTS LTD, Dec/60. Assessment Report #091172 by P.R. Oluk.

WESTMIN RESOURCES LTD, Mar/97. Assessment Report #093622 by D.A. Terry et al.

WESTMIN RESOURCES LTD, Mar/98. Assessment Report #093799 by D.A. Terry et al.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 185.

Work History		
Date	Work Type	Comment
12/31/1997	Geology	
12/31/1997	Geochemistry	Contour soil sampling, silt and rock samples were collected.
12/31/1996	Geology	
12/31/1996	Geochemistry	Also silt sampling.
12/31/1996	Other	
12/31/1995	Airborne Geophysics	Also magnetics.
12/31/1979	Geochemistry	
12/31/1979	Geology	
12/31/1979	Ground Geophysics	
12/31/1977	Lab Work/Physical Studies	Several tons of nephrite jade shipped from 1977 to 1979.
12/31/1977	Trenching	
12/31/1971	Trenching	
12/31/1960	Drilling	Nineteen holes, 146.9 m. X-ray holes.
12/31/1960	Trenching	

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096903	2015	Assessment Report J1 & J2 Claims	Rock - Geochemistry, Prospecting - Other		
093799	1997	1997 Assessment Report Describing Geological and Geochemical Surveys Carried out on the Tack 1 to 550 Claim, Finlayson Lake Area, Yukon Territory	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology		
093584	1996	Dighem V Survey for Westmin Resources Limited Wolverine Lake Project Yukon	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		
093622	1996	1996 Assessment Report Describing Geological and Geochemical Surveys Carried out on the Tuchitua Project	Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
090578	1979	Report on Geological Mapping and Geophysical Surveys	Detailed Bedrock Mapping - Geology, Magnetics - Ground Geophysics		
090187	1976	Geological Report Green Stuff Claims	Prospecting - Other		

Related References				
Number	Title	Page(s)	Reference Type	Document Type
ARMC016606	Geological map - 105H/5 - 'Money Creek'		Property File Collection	Geoscience Map (Geological - Bedrock)