



Occurrence Details

Occurrence Number: 105B 089
Occurrence Name: Jennings
Occurrence Type: Hard-rock
Status: Showing
Date printed: 4/29/2025 11:15:01 PM

General Information

Secondary Commodities: molybdenum, tungsten
Aliases: Carl, Eric, Hot, Tootsee
Deposit Type(s): Skarn W
Location(s): 60°0'57" N - -130°7'9" W
NTS Mapsheet(s): 105B01
Location Comments: .5 Kilometres
Hand Samples Available: Yes
Last Reviewed:

Capsule

Work History

Staked as Hot cl (YA36789) in Jun-Nov/79 by Amax, which performed line cutting and mapping in 1979, mapping, geochemistry and geophysics in 1980. The property was transferred in 1983 to Canamax Res Inc, which explored with 2 holes (576 m) later in the year, soil sampling in 1984 and mapping and geochem sampling, plus airborne mag and VLF-EM surveys and road building. In Dec/94 diamond drill core drilled in 1984 at this property was acquired by the H.S. Bostock Core library in Whitehorse. Fringe staking to the north included Eric cl (YA69871) in Mar/83 by Rialto Silver Res Inc and Carl cl (YA69717) in Mar/83 by W.E. England Drilling CL. In 2006, the property was diamond-drilled (3 holes for a total of 1494 m) and an airborne geophysical survey was flown. In 2008, 8 diamond drillholes for a total of 4026 m were drilled on the property.

Capsule Geology

Disseminated scheelite is associated with a calc-silicate sequence developed in Upper Cambrian Kechika Group argillite and limestone near small dykes and porphyry bodies related to the Cretaceous Cassiar Batholith. The occurrence was found by stream panning and was also outlined by a GSC geochemical survey. Stockwork porphyry-style molybdenum and tungsten mineralization occurs within a 6.5 km x 1.8 km wide area of hornfels. The mineralization is hosted in a northwest-tending southwest-dipping package of calc-silicate hornfels and skarn. The 1980 geochem surveys outlined 8 soil anomalies averaging 100 ppm W. The 1983 holes intersected scheelite and molybdenite in green calc-silicate hornfels. Diamond drilling in 2006 targeted the Central hornfels zone, a 1400 m² tungsten soil anomaly with skarn mineralization. All three holes intersected fractured, veined, altered and mineralized hornfels and skarn cut by altered and mineralized quartz-feldspar porphyry dykes. Significant molybdenum values were realized through drilling in 2006: drillhole TR06-001 intersected 234.0 m of 0.092% MoS₂ and 0.110% WO₃.

References

AMAX OF CANADA LTD, 1980. Assessment Report *#090681 by G.W. Booth, A.C. Hitchins and J. Lebel.

BURKE, M., LEWIS, L. and TRAYNOR, S., 2009. Yukon hardrock mining, development and exploration overview. In: Yukon Exploration and Geology 2008, L.H. Weston, L.R. Blackburn and L.L. Lewis (eds.), Yukon Geological Survey, p.2-37.

CANAMAX RESOURCES INC, Mar/84. Assessment Report *#091528 by A.C. Hitchins.

GEOLOGICAL SURVEY OF CANADA, 1978. Open File 563, Map 43-1978.

LOWEY, G.W. AND LOWEY, J.F., 1986. Geology of the Spencer Creek (105 B 1) and Daughney Lake (105 B 2) map areas, Rancheria District, Southeast Yukon. DIAND Open File 1986-1, p. 94-95.

NORTH AMERICAN TUNGSTEN CORP. LTD., News Release, 31 Jan/2007;

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 159; 1984, p. 52.

Work History

Date	Work Type	Comment
12/31/2008	Drilling	Eight holes, 4,026 m.
12/31/2006	Drilling	Three holes, 1,494 m.
12/31/2006	Airborne Geophysics	
12/31/1984	Drilling	Diamond drill core was deposited at H.S. Bostock Core Library.
12/31/1984	Geology	
12/31/1984	Geochemistry	

12/31/1984	Airborne Geophysics	Also EM survey .
12/31/1984	Other	
12/31/1984	Development, Surface	
12/31/1983	Drilling	Two holes, 576 m.
12/31/1980	Geology	
12/31/1980	Geochemistry	
12/31/1980	Ground Geophysics	Also VLF-EM survey .
12/31/1979	Geology	

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096621	2013	2013 Summary Report on Metallurgical Study and Environmental Baseline Monitoring Program, Jennings Project	Metallurgical Tests - Lab Work/Physical Studies, Environmental Assessment/Impact - Studies		
096476	2012	2012 Report on Preliminary Metallurgical Study, Jennings Project	Metallurgical Tests - Lab Work/Physical Studies		
096477	2012	2012 Summary Report on Baseline Monitoring Program, Jennings Project	Water - Geochemistry, Environmental Assessment/Impact - Studies		
094608	2006	2006 Airborne Geophysical Assessment Report Tootsee River Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		
091528	1983	1983 Drilling Assessment Report	Diamond - Drilling	1	181
090681	1980	1980 Geological, Geochemical, Geophysical Assessment Report	Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics		

Drill core at YGS core library					
Number	Property	Year Drilled	Core Size	Photos	Data
TR-83-1	Tootsee	1983	NQ	26	0
TR-83-2	Tootsee	1983	NQ	44	0
TR-83-3	Tootsee	1983	NQ	22	2