Occurrence Details

Occurrence Number: 105O 048
Occurrence Name: Helios Vein
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 6/15/2025 10:29:37 AM

General Information

Primary Commodities: gold, silver
Secondary Commodities: antimony, arsenic, bismuth, copper, lead
Aliases: Nuke, Nug, Colossus
Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au
Location(s): 63°1'24" N - -130°59'34" W
NTS Mapsheet(s): 105O02
Location Comments: Location from company geology map, 2018
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Nuke cl 1-8 (YA77305) in Aug/83 by a joint venture between Canamax Resources Inc and Canada Tungsten Mining Corporation Ltd , which performed a limited geological mapping and soil sampling program later in the year. In Feb/84 the joint venture group added Nuke cl 9-48 (YA77452) to their holdings and later in the year, carried out geological mapping, rock and soil sampling on the newly staked ground.
Restaked as Nug cl 1-6 (YB65237) by Eagle Plains Resources Ltd and Miner River Resources Ltd in Mar/96, which carried out small prospecting and rock sampling programs in 1996 and 1997. In Jun/99 Eagle Plains and Miner River amalgamated.
Restaked in 2007 as the Nug claims by S. Ryan and optioned to Ryan Gold Corp. Soil sampling programs were conducted in 2007 and 2008. In 2011, Ryan Gold conducted and Airborne geophysical survey, geological mapping, prospecting, rock and soil sampling. The property was optioned to Strikepoint Gold Inc. in 2016. Strike point completed geological mapping, prospecting and sampling in 2017 and drilling in 2018.

Capsule Geology

The area is located in the north-central portion of the Selwyn Basin, near the boundary with the Mackenzie Platform. The area is underlain by Upper Paleozoic sedimentary rocks which have been intruded by mid-Cretaceous granitic intrusions.
The occurrence lies at the intrusive contact between a medium-grained, mid-Cretaceous biotite monzonite stock belonging to the Tombstone Suite and siltstones, arenites with minor bedded chert and chert pebble conglomerate assigned by Gordey (1999) to the Devonian to Mississippian Earn Assemblage. A northwest elongate hornfels aureole ranging from 400 to 1 000 m in width surrounds the stock. A series of biotite to monzonite to felsic quartz-feldspar porphyry dykes ranging from several metres to 50 metres wide radiate from the western contact. Mineralization is contained in a northerly-striking set of quartz-arsenopyrite-galena-tetrahedrite veins exposed in pelitic hornfels adjacent to the southwest contact of the monzonite stock.
Due to overburden most of the mineralized veins were only observed as float or in talus slopes. Canamax mapped and sampled all of the veins but did not report any values. Soil sampling by the company outlined numerous Ag and Cu anomalies most of which were coincident with the veined area. However two anomalies were identified which could not be explained by prospecting or geological mapping.
Eagle Plains¿ 1996 prospecting and sampling program was centred within the two Ag-Cu anomalies which Canamax identified but could not account for. Results of the program show that the anomalies were likely related to quartz-arsenopyrite veins underlying the area. Veins within the hornfeled sediments returned assays as high as 3.93 g/t Au from grab samples and up to 0.99 g/t Au from a 1.5 m chip sample. Grab samples of vein material collected from the intrusion returned assays as high as 5.38 g/t Au. Samples containing high gold values, invariably returned high values in Cu, Ag, As, Pb, Bi and As.
Eagle Plains¿ 1997 exploration program was centred on sampling all known mineralized quartz veins. In addition prospecting resulted in the discovery of a second zone of mineralization. The Fort Knox zone consists of a rubble and talus covered area measuring approximately 30m by 50m which hosts monzonite containing quartz stockworks. Mineralization includes traces of disseminated, vein and fracture controlled arsenopyrite and chalcopyrite. Alteration is limited to weakly developed sericite along the margins of veins and fractures, along with occasional weak silicification and trace tourmaline. Quartz veins average 5 mm wide, with an average density of 5 per metre. The average assay of 15 representative samples is 372 ppb Au.

References

ABBOTT, G. 1982. Geology of the MacMillian Fold Belt: Evidence for Devonian faulting (105 O SE and parts of 105 P SW). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada. EGSD Open File 1983-1.

CANAMAX RESOURCES INC., Apr/84. Assessment Report #091534 by A. Hitchins.

CANAMAX RESOURCES INC., Dec/84. Assessment Report #091592 by A. Hitchins.

EAGLE PLAINS RESOURCES LTD AND MINER RIVER RESOURCES LTD, May/97. Assessment Report #093626 by B. Kreft.

EAGLE PLAINS RESOURCES LTD AND MINER RIVER RESOURCES LTD, May/98. Assessment Report #093773 by B. Kreft.

GORDEY, S.P., AND MAKEPEACE, A.J., 1999. Yukon digital geology, S.P. Gordey and A.J. Makepeace (comp.); Geological Survey of Canada, Open File D3826, and Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1999-1 (D)

YUKON EXPLORATION AND GEOLOGY 1983, p. 219; 1984, p. 134-135; 1997, p. 29.

Work History

Date	Work Type	Comment
7/1/2018	Geochemistry	

7/1/2018	Drilling	
7/1/2018	Geochemistry	
7/1/2017	Geochemistry	
7/1/2017	Geology	
7/1/2012	Geology	
7/1/2012	Geochemistry	
7/1/2011	Geology	
7/1/2011	Geochemistry	
7/1/2011	Airborne Geophysics	
7/1/2011	Airborne Geophysics	
7/1/2008	Geochemistry	
7/1/2007	Geochemistry	
7/1/1984	Geochemistry	
7/1/1984	Other	
7/1/1968	Pre-existing Data	
7/1/1967	Pre-existing Data	
7/1/1967	Geochemistry	
7/1/1967	Geology	
7/1/1967	Other	
12/31/1997	Geochemistry	
12/31/1996	Geochemistry	
12/31/1996	Other	
12/31/1984	Geology	
12/31/1984	Geochemistry	
12/31/1984	Other	
12/31/1983	Geochemistry	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097135	2017	Assessment Report describing Geological And Geochemical Surveys at ""The Nug Group""	Rock - Geochemistry, Bedrock Mapping - Geology		
096362	2012	Geological & Geochemical Report Mapping and Soil Surveys on the Nug Block	Soil - Geochemistry, Bedrock Mapping - Geology		
095843	2011	Assessment Report 2011 Exploration Program	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Soil - Geochemistry, Bedrock Mapping - Geology		
095663	2008	Geochemical Report Nug 1-16 Claims	Soil - Geochemistry		
096514	2007	Geochemical Report Nug 1-16 Claims	Soil - Geochemistry		
093827	1997	1997 Geological Assessment Report on Emerald Lake Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry		
093773	1997	Geological Assessment Report for the Oly Lakes Mineral Property	Rock - Geochemistry		
091592	1984	Oly Lake Property Geological and Geochemical Report	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other		
091534	1983	1983 Geochemical Assessment Report	Soil - Geochemistry		
019809	1968	Hess Area Project Proposed Property Follow-Up 1968 Field Season	Research/Summarize - Pre-existing Data		