Occurrence Details

Occurrence Number: 115I 135
Occurrence Name: Spud
Occurrence Type: Hard-rock
Status: Showing
Date printed: 8/6/2025 4:05:57 AM

General Information

Secondary Commodities: copper, gold, silver
Deposit Type(s): Epithermal Au-Ag-Cu: High Sulphidation
Location(s): 62°3'56.8" N - -137°9'39.63" W
NTS Mapsheet(s): 115I03
Location Comments: Location provided by Rockhaven Resources 2019
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

First staked as part of the fringe claims around the Brown-McDade property in 1943-1944. In 1946-1948, the Nansen area was explored by Conwest Exploration Company Ltd. During this period, claims were held nearby by Yukon Range Exploration Ltd (Conwest, Frobisher, & Nova-co Exploration Ltd), Nansen Yukon Mines Ltd. and Colery Yukon Mines Ltd.

Re-staked in June 1958 as Dome cl (73537) and in July 1959 as Joanne cl (74285), which were optioned in 1962 by Mount Nansen Explorers Syndicate (Conwest, Faraday Uranium Mines Ltd, Kerr Addison Gold Mines Ltd, Newmont Mining Corporation of Canada Ltd, Noranda Exploration Company Ltd, J. Rankin, Rio Tinto Cananda Exploration Ltd and, later, Central Patricia Gold Mines Ltd.). In 1963, Mount Nansen Mines Ltd. was formed by the syndicate.

Peso Silver Mines Ltd. acquired control of Mount Nansen Mines Ltd. in 1964 and through to 1966 explored the nearby Webber and Heustis veins (MINFILE occurrences 115I 065 and 138) and performed underground mining at the Huestis vein from 1967 to 1969. Nansen conducted a feasibility study in 1983 and sold the property in 1984 to BYG Natural Resources Inc.

Chevron Canada Resources Ltd. optioned the property from BYG in June 1985 and explored the Spud occurrence with two trenches in 1987.

In 1995, BYG continued exploration and development work on their Mount Nansen Project. In April 1996, BYG received their Class A water licence which allowed them to begin mining operations. Mining began on the oxidized portion of the Brown-McDade zone (MINFILE occurrence 115I 064).

In February 1999, BYG announced plans to temporarily shut down the Mount Nansen Mine. In March 1999, BYG was placed in receivership and the Nansen mine became a Type II Minesite. In 2004, the court appointed receiver PricewaterhouseCoopers to manage the mines' assets. In 2007, the receiver sold 199 periphery claims to #101073531 Saskatchewan Corp., which included the Spud zone.

In 2009, 101073531 Saskatchewan Corp. flew a regional airborne and magnetic survey that included the Spud occurrence.

Regional & Property Geology

The occurrence is located in the Dawson Range within Yukon-Tanana Terrane (YTT). The rocks of the YTT in this region consist of Early Mississipian metamorphic rocks separated into meta-sedimentary and meta-igneous suites (Stroshein, 1998). The meta-sedimentary suite consists of micaceous quartz-feldspar gneiss, schist and quartzite of the Nasina Assemblage. The meta-igneous package is comprised of biotite-hornblende feldspar gneiss and coarse-grained granodiorite orthogneiss with lesser amphibolite.

Four rock types dominate the geology surrounding the occurrence and are comprised of:
1. Paleozoic metamorphic Yukon-Tanana gneiss, quartzite, and amphibolite to the south;
2. Triassic to Jurassic metamorphosed alkali-feldspar-rich plutonic suites;
3. Mid-Cretaceous Mount Nansen Suite andesite, felsic lapilli tuffs, basaltic to latite volcanic rocks; and quartz feldspar porphyry, dacite, latite, and quartz monzonite porphyritic hypabyssal rocks; and
4. Mid-Cretaceous Whitehorse granodiorite.

Mineralization & Results

The Spud occurrence is located 100 m west of the Orloff-King zone (MINFILE occurrence 115I 134) and is exposed in two trenches. It consists of a 30 cm wide quartz-sulphide vein cutting pyroclastic Mount Nansen volcanic andesite.

Trenching in 1987 returned assays up to 6.6 g/t Au and 60.0 g/t Ag over 2.0 m.

Work History

Date	Work Type	Comment
12/13/2009	Airborne Geophysics	And EM.
12/13/1987	Trenching	Two trenches.

Assessment Reports that overlap occurrence

Report	Year	Title	Worktypes	Holes	Meters

Number	Year	Title	Worktypes	Drilled	Drilled
095861	2011	Assessment Report on the 2011 Trenching and Diamond Drilling Program	Diamond - Drilling, Soil - Geochemistry, Bedrock Mapping - Geology, Backhoe - Trenching	22	3607.93
095315	2010	Assessment Report on the 2010 Trenching and Diamond Drilling Program Charlotte Property	Reclamation - Development, Surface, Diamond - Drilling, Soil - Geochemistry, Surveying - Other, Mechanical - Trenching	14	1452
095089	2009	Report on a Geophysical Survey on the Mount Nansen Property and the Tawa Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		
092701	1989	Report on the Geology and Mineral Inventory of the Mt. Nansen and Tawa Properties With Assessment of the Economic Potential for Open Pit Mining of Oxidized Mineralization in the Brown-McDade Zone	Data Compilation - Pre-existing Data, Resource Estimate - Studies		
062230	1966	Preliminary Feasibility Report Development and Mining Operations at the Mount Nansen Properties	Pre-feasibility - Studies		
092505	1959	Dickson Gold Option, Carmacks, Yukon Terr. Billy Claim Group	Diamond - Drilling, Drill Core - Geochemistry, Drill Cuttings - Geochemistry, Mechanical - Trenching	8	122.83
060738	1959	Report on the Reconnaissance Electromagnetic Survey in the Nansen Creek Area, Yukon Territory - Silver Standard Group, Brown McDade Group	EM - Ground Geophysics		
019091	1958	Geology of Nansen Creek Area Claims Silver Standard Mines Ltd.	Bedrock Mapping - Geology		
092059	1958	Report on Geology of Nansen Creek Area Claims	Detailed Bedrock Mapping - Geology		

Related References

Number	Title	Page(s)	Reference Type	Document Type
YEG1997_14	Geology and mineral deposits of the Mount Nansen camp, Yukon		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report Paper