



Occurrence Details

Occurrence Number: 115I 133
Occurrence Name: Dickson
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 8/6/2025 8:02:55 AM

General Information

Secondary Commodities: copper, gold, silver
Deposit Type(s): Epithermal Au-Ag-Cu: High Sulphidation
Location(s): 62°3'31.31" N - -137°9'7.45" 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 Canada 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 discovered the Dickson occurrence with trenching in 1987. BYG entered into a sub-option agreement with Chevron in 1988 and performed 1,473 m of trenching in eleven trenches and drilled three diamond drill holes in 1988 at the Dickson occurrence.

In 1995, BYG continued exploration and development work on their Mount Nansen Project. Prospecting was performed at the Dickson occurrence in 1995. 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 Dickson zone.

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

Guinness Exploration Inc. optioned the claims in 2010 and explored the Dickson occurrence with two trenches. In 2011, Ansell Capital Corp. optioned the claims from Guinness Exploration and completed mapping and sampling of one of the 2010 trenches (SST-TR10-04).

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 Mississippian 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 Dickson occurrence is located between the Flex (MINFILE occurrence 115I 137) and Brown McDade (MINFILE occurrence 115I 064) deposits and was discovered in 1987 by Chevron Exploration. It consists of five to six pyrite mineralized quartz veins crosscutting variably altered, weakly to moderately magnetic Mount Nansen andesite to dacite. Higher mineralization was related to observed sericite and silica alteration.

Trenching in 1987 discovered two veins 40 m apart in trench GD87-10 near the centre of the zone that returned assays up to 17.6 g/t Au and 79.9 g/t Ag across 3.0 m and 4.2 g/t Au and 43.5 g/t Ag over 4.0 m respectively.

Follow-up trenching in 2010 and 2011 by Guinness Exploration and Ansell Capital Corp, respectively, returned assays of up to 0.972 g/t Au and 9.92 g/t Ag over 5.0 m.

Work History

Date	Work Type	Comment

12/13/2011	Geochemistry	Mapping and sampling of a 2010 trench.
12/13/2011	Geology	
12/13/2010	Geochemistry	
12/13/2010	Trenching	Two trenches totaling 178.6 m.
12/13/2009	Airborne Geophysics	And EM.
12/13/1995	Other	
12/13/1988	Drilling	Three holes.
12/13/1988	Trenching	Eleven trenches totaling 1473 m.
12/13/1987	Trenching	Six trenches.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095089	2009	Report on a Geophysical Survey on the Mount Nansen Property and the Tawa Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		
093231	1994	Suinmaiy Report 1994 Exploration Program -Mt. Nansen Gold Project	All Weather Road - Development, Surface, Auger - Drilling, Diamond - Drilling, Drill Core - Geochemistry, Geotechnical - Studies, Mechanical - Trenching	15	1036
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		
092122	1987	Nansen Project Final Report,Report on Bulldozer and Excavator Trenching Rusk Group,Environmental Update For the Mount Nansen Project	Diamond - Drilling, Water - Geochemistry, Metallurgical Tests - Lab Work/Physical Studies, Environmental Assessment/Impact - Studies, Backhoe - Trenching, Mechanical - Trenching	17	1048.50
091825	1985	Report on Geological, Geochemical, Geophysical, Trench and Drill Results on the Mt. Nansen Property	Interpretation - Airphotography, Environmental Clean-up - Development, Surface, Diamond - Drilling, Rotary - Drilling, Muck - Geochemistry, Soil - Geochemistry, Regional Bedrock Mapping - Geology, EM - Ground Geophysics, Metallurgical Tests - Lab Work/Physical Studies, Line Cutting - Other, Environmental Assessment/Impact - Studies, Geotechnical - Studies, Resource Estimate - Studies, Mechanical - Trenching	30	2232.90
092553	1968	Geology, Economy, Boring - Brown-McDade,Huestis,Webber Zones, Mount Nansen Property	Resource Estimate - Studies		
062230	1966	Preliminary Feasibility Report Development and Mining Operations at the Mount Nansen Properties	Pre-feasibility - Studies		
062258	1965	[Summary of the Peso Silver Mines Ltd. Properties]	Data Compilation - Pre-existing Data, Research/Summarize - Pre-existing Data, Resource Estimate - 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

Related References

Number	Title	Page(s)	Reference Type	Document Type
YEG1997 Andersen	Geology of the Flex gold-silver vein system, Mount Nansen area, Yukon		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report Paper
YEG1998 20	A summary report on the geology of the Brown-McDade gold-silver deposit, Mount Nansen mine area, Yukon		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report Paper