



Occurrence Details

Occurrence Number: 115I 096

Occurrence Name: Rusk

Occurrence Type: Hard-rock

Status: Showing

Date printed: 6/14/2025 4:59:00 PM

General Information

Secondary Commodities: copper, gold, lead, molybdenum, silver

Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au

Location(s): 62°4'56.32" N - -137°15'12.88" W

NTS Mapsheet(s): 115I03

Location Comments: Location provided by Rockhaven Resources 2019

Hand Samples Available: Yes

Last Reviewed:

Capsule

Work History

Staked as Bit cl 1-6 (93441) in November 1965 by Mount Nansen Mines Ltd, which performed mapping and geochemical sampling in 1966. Area Exploration Company Ltd (Cyprus Exploration Corporation Ltd) optioned the claims in 1971, added Rusk cl 1-39 (Y66939) in August 1972 and explored with grid soil sampling and mapping in 1972-1973.

Re-staked as LD cl 1-14 (YA8225) in September 1976 by G. Dickson, who re-staked as Swiss cl 1-62 (YA24209) in May 1979. Dickson trenched in 1980 and 1981, re-staked as J. Bill cl 1-32 (YA78049) in August 1983, added Rat cl 1-24 (YA81428) to the south and Bull cl 1-8 (YA81420) to the east in February 1984. Dickson trenched in 1984 and added Bull cl 9-28 (YA86288) in December 1984.

Part of the property was optioned in 1986 to Chevron Canada Resources Ltd, which explored with mapping, grid soil sampling, EM-16 surveys and bulldozer trenching in 1986 and 1987 before dropping the option. In October 1994 the J. Bill, Rat and Bull claims were transferred to Dickson's widow, J. Dickson.

In May 1995, Dickson's claims were transferred to Aurchem Exploration Ltd and combined with the company's other claim holdings in the area, which collectively became known as the Discovery Creek project.

In July 1996, BYG Natural Resources Inc signed a letter of intent to explore Aurchem's claims in the Mount Nansen area. Subsequently in September 97, BYG entered into an agreement with Trumpeter Yukon Gold Inc. (a wholly owned subsidiary of BYG) whereby Trumpeter would be entitled to earn a 60% interest in the Aurchem claims by assuming a portion of the financial obligations outlined in the original agreement. As of December 1997, BYG and Trumpeter had not completed the terms outlined in the original letter of intent and negotiated a restructuring of the terms with Aurchem. In February 1999, BYG announced plans to temporarily shut down the Mount Nansen Mine to the southeast of the Rusk occurrence. In March 1999, BYG was placed in receivership and the Nansen mine became a Type II Minesite.

The J. Bill, Rat and Bull claims reverted to Aurchem after the federal government took over maintenance of the adjoining Mount Nansen mine site in July 1999. Aurchem carried out a limited exploration in 2001 and 2002, attempting to find new exploration targets from compilation of existing exploration data. In 2003 the company collected a limited number of soil samples on the J. Bill claims located north of Slate creek. The company also stripped three 75 to 90 m long areas in the same area to allow the ground to thaw out.

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

In 2012, Rockhaven purchased the J. Bill claims that include the Rusk occurrence from Aurchem. These claims now form the eastern edge of the Klaza Property. In 2016 and 2017, Rockhaven performed rock and soil sampling at the Rusk occurrence and carried out ground magnetic and IP surveys in 2017.

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.

The dominant rock type at the Rusk occurrence is an aphanitic, well jointed Mount Nansen Suite rhyolite to dacite.

Mineralization & Results

The original discovery, which was explored by Dickson, is a pyrite-arsenopyrite-galena-sphalerite-quartz vein about 1 m wide that cuts rhyolite of the Mid-Cretaceous Mount Nansen Group.

The 1986 soil sampling outlined four gold-lead-silver anomalies while the EM-16 surveys and bulldozer trenching were relatively ineffective and produced negative results.

The area sampled in 2003 is underlain by medium-grained, dark grey quartz diorite and brown weathering equigranular, medium grained granodiorite. The quartz diorite outcrops west of a previously discovered gold-in-soil anomaly where boulders of granodiorite and rare quartz-feldspar fragments are found in frost polygons. Gold values range up to 217 ppb. A grab sample of clay altered quartz-feldspar porphyry from a frost polygon returned 0.320 g/t gold.

Work History		
Date	Work Type	Comment
12/31/2003	Geochemistry	Limited number collected.
12/31/2003	Trenching	Stripped 3 areas to allow ground to thaw.
12/31/1990	Trenching	
12/31/1987	Geology	
12/31/1987	Geochemistry	
12/31/1987	Ground Geophysics	
12/31/1987	Trenching	
12/31/1986	Geology	
12/31/1986	Geochemistry	
12/31/1986	Ground Geophysics	
12/31/1986	Trenching	
12/31/1984	Trenching	
12/31/1983	Geology	
12/31/1981	Trenching	
12/31/1980	Trenching	
12/31/1973	Geology	
12/31/1973	Geochemistry	
12/31/1972	Geology	
12/31/1972	Geochemistry	
12/31/1966	Geology	
12/31/1966	Geochemistry	
12/13/2017	Geochemistry	
12/13/2017	Geochemistry	
12/13/2017	Ground Geophysics	
12/13/2017	Ground Geophysics	
12/13/2016	Geochemistry	
12/13/2016	Geochemistry	
12/13/2009	Airborne Geophysics	And EM.
12/13/2001	Pre-existing Data	Company processed previous data looking for areas previously over looked.
12/13/2001	Trenching	Limited.

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097138	2017	Assessment Report describing Geology, Mineralization, Soil Geochemistry, Rock Geochemistry, Geophysical Surveys, Excavator and Hand Trenching, Diamond Drilling and Metallurgical Testing	Metallurgical Tests - Lab Work/Physical Studies		
097000	2016	Assessment Report describing geology, mineralization, soil geochemistry, rock geochemistry, geophysical surveys, excavator and hand trenching, diamond drilling, metallurgical testing and preliminary economics at the Klaza property	Diamond - Drilling, Rock - Geochemistry, Soil - Geochemistry, IP - Ground Geophysics, Metallurgical Tests - Lab Work/Physical Studies, Process/Interpret - Pre-existing Data, Preliminary Economic Assessment - Studies	44	78873.13
095089	2009	Report on a Geophysical Survey on the Mount Nansen Property and the Tawa Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		

Related References				
Number	Title	Page(s)	Reference Type	Document Type
ARMC006742	Geology map - Target 1, 101, 102, 103 - 1983-1985 - Mt. Nanasen area		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC00				Geoscience Map

ARMC006743	Fig 3b - Map showing targets 1W, 101, 102, 103		Property File Collection	Geoscience Map (General)
ARMC006744	Sample locations map - 1985 program - Target 1W, 101, 102, 103 - Gold-silver regional		Property File Collection	Geoscience Map (General)
ARMC006745	Sketch map - Target 1W		Property File Collection	Geoscience Map (General)
ARMC006746	Certificate of analysis - YIW		Property File Collection	Assays
ARMC007048	Claim map - Mt. Nansen area		Property File Collection	Geoscience Map (General)
ARMC007052	Examination notes - J Bill property		Property File Collection	Miscellaneous Company Documents
ARMC007055	Mt. Nansen area map with field notes		Property File Collection	Geoscience Map (General)
ARMC012147	Rusk Creek zone and ancillary projects, 1972 - Mt. Nansen project		Property File Collection	Report
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
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
1987-2(G)	Geology of Mt. Nansen (115I/3) and Stoddart Creek (115I/6), Dawson Range, Central Yukon		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)