



Occurrence Details

Occurrence Number: 115I 096

Occurrence Name: Rusk

Occurrence Type: Hard-rock

Status: Showing

Date printed: 12/16/2025 2:02:59 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 |

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|----------------------------|--|--|--|----------------------------------|
| 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) |