



Occurrence Details

Occurrence Number: 115I 119

Occurrence Name: Dows

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 12/16/2025 2:49:49 PM

General Information

Secondary Commodities: gold

Deposit Type(s): Epithermal Au-Ag-Cu: High Sulphidation

Location(s): 62°2'30.47" N - -137°14'35.89" W

NTS Mapsheet(s): 115I03

Location Comments: Location provided by Rockhaven Resources 2019

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Dows cl 1-16 (YB7687) in August 1987 by E. Curley and optioned to Noranda Exploration Company Ltd., which explored with geochemical, magnetic and IP surveys and trenching in 1988. In 1988, Noranda staked Dows cl 17-72 (YB12755) and cl 73-118 (YB13055).

In early 1995, Curley optioned the property to Atna Resources Ltd. which carried out a trenching program at the Sked occurrence (MINFILE occurrence 115I 147) later in the summer. During the trenching program BYG Resources, owners of the nearby Mount Nansen Mine, mapped and sampled the trenches. In the fall of 1995, Conquest Yellowknife Resources Ltd. (a BYG affiliated company) optioned a 50% interest in the claims from Atna and staked Dows cl 119-124 (YB66234) in the northwest corner of the claim block.

Strategic Metals Corp. staked the Sked claims 1-30 in 2009 and 31-36 in 2010 and purchased the nearby Desk claims in 2010. Wolverine Minerals Corp. optioned the Sked and Desk claims in 2010 and a small soil sampling program was conducted. A follow-up soil sampling program was conducted in 2011.

In 2013, the Sked and Desk claims reverted to Strategic Metals. Rockhaven Resources acquired the Desk and Sked claims via a property-swap transaction with Strategic in 2015.

In 2016, Rockhaven carried out soil and rock geochemistry at the Sked occurrence. A ground IP and magnetic geophysical survey was carried out over the claims including the Dows occurrence by Rockhaven 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 (Stroschein, 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.

These basement rocks are cut by numerous plutonic and volcanic events from the Cretaceous, including:

1. 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,
2. Mid-Cretaceous Whitehorse granodiorite; and,
3. Late Cretaceous feldspar porphyry dykes.

Outcrop on the property is scarce and consists of Paleozoic YTT schist, limestone and quartzite with small outcroppings of local Mount Nansen Group volcanics.

Mineralization & Results

Gold occurs in chalcidonic quartz-sulphide veins and wide zones of silicification along the margins of manganese-stained and clay-altered quartz-feldspar porphyry dykes. These zones reportedly strike 300° and dip 60-65° to the west. The veins and dykes cut Yukon Tanana metasedimentary rocks consisting of mainly limestone, schist and quartzite.

A small sampling program by Strategic in 2010 returned background to anomalous gold (up to 23 ppb Au), lead (up to 14 ppm Pb), zinc (up to 85 ppm Zn), arsenic (up to 181 ppm As) and copper (up to 140 ppm Cu). Soil sampling in 2011 returned up to 44 ppb Au, 153 ppm Cu, 68 ppm As, and 116 ppm Zn.

Work History

Date	Work Type	Comment
12/31/1988	Ground Geophysics	Also IP survey.
12/31/1988	Trenching	
12/13/2017	Ground Geophysics	
12/13/2017	Ground Geophysics	
12/13/2016	Geochemistry	
12/13/2016	Geochemistry	
12/13/1988	Geochemistry	

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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		

Related References

Number	Title	Page(s)	Reference Type	Document Type
YEG1997_A ndersen	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
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)