



Occurrence Details

Occurrence Number: 115I 152

Occurrence Name: Western Chevron

Occurrence Type: Hard-rock

Status: Prospect

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General Information

Secondary Commodities: gold, silver

Aliases: Klaza

Deposit Type(s): Epithermal Au-Ag: Low Sulphidation

Location(s): 62°7'8.51" N - 137°16'32.37" W

NTS Mapsheet(s): 115I03

Location Comments: Location provided by Rockhaven Resources 2019

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Dic cl 1-51 (YA93470) in September 1985 by Kerr Addison Mines Ltd., which explored with soil sampling, prospecting and ground magnetic and VLF-EM geophysical surveys and mapping and added Dic cl 52-63 (YA95111) in 1986. Optioned by Chesbar Resources Inc. and States Exploration Ltd., which performed silt and soil sampling and bulldozer trenching in 1988. The claims were transferred to Chesbar in March 1989.

In October 1989, the claims were transferred to G. Dickson to fulfil the obligations of an option agreement covering the neighbouring Vic claims (MINFILE occurrence 115I 068)

Upon Mr. Dickson's death the Dic claims were transferred to his wife Janet. Mrs. Dickson optioned the claims to Aurchem Exploration Ltd. in October 1994. In early 1996, BYG Natural Resources Inc. obtained an option to purchase all of Aurchem Exploration's claims located in the Mount Nansen area. In the summer of 1996, BYG carried out a large regional geophysical program, parts of which covered the Dic and nearby Eagle claims.

In November 2011, Rockhaven Resources purchased Dic cl 1-7 (YA93470) and cl 101-106 (YB35475) and Eagle cl 1-12 (YB35415) from Aurchem Exploration Ltd. Airborne gamma-ray and magnetic geophysical surveys, as well as orthophotos, were carried out over the Klaza property in 2011, including the Chevron occurrence.

In 2012, Rockhaven drilled 2 diamond drill holes and performed trenching and soil sampling over the Chevron occurrence. Follow-up trenching was carried out in 2013. In 2014, Rockhaven performed property-wide bedrock mapping, as well as ground EM and magnetic geophysical surveys at Klaza, which included the Chevron occurrence. Rockhaven performed soil and rock sampling, as well as trenching, at Chevron in 2016; drilled 2 diamond drill holes and performed trenching in 2017 and carried out follow-up diamond drilling in 2019.

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. These basement rocks are cut by numerous plutonic and volcanic events from the Cretaceous and Tertiary.

The oldest exposed unit within the boundaries of the Klaza property is a pluton of the Early Jurassic Long Lake Suite (EJL), which outcrops in the northeast corner. The majority of the property is underlain by coarse-grained, non-foliated Mid-Cretaceous Whitehorse Suite granodiorite (mKW) comprised of 30% hornblende and biotite. A moderate size, quartz-rich granite to quartz monzonite Casino Suite stock (LKq) intrudes the granodiorite in the southeast corner of the property and is thought to be the main heat source for hydrothermal cells responsible for mineralization on the property. A series of northwesterly trending feldspar porphyry dykes (LKfp) emanating from the stock in the southeastern part of the property cut the Whitehorse suite granodiorite in the Klaza occurrence area. These dykes are up to 30 m wide and consist of buff aphanitic groundmass containing up to 15% orthoclase phenocrysts (1 to 2 mm) with minor biotite and rare quartz phenocrysts. The dykes commonly occupy the same structural zones as the mineralized veins and are often strongly fractured. Some veins cross-cut dykes (Turner & Dumala, 2017).

Sub-aerial volcanic and volcanoclastic rocks belonging to the Mount Nansen (mKN) and Carmacks (uKC) volcanics are found on the periphery of the property. These rocks are believed to be extrusive equivalents of the mid and Late Cretaceous intrusions, respectively (Turner & Dumala, 2017).

Mineralization & Results

The Chevron occurrence is located 1800 m south of Klaza and was discovered in 2012 by Rockhaven Resources. Mineralization is hosted in argillic to locally phyllic and potassic altered granodiorite and consists of blebby to disseminated pyrite and disseminated sphalerite ± minor galena and arsenopyrite in multiple vein structures. Quartz-feldspar porphyry dykes, sheeted veins and local breccias were noted in association with the zone.

Trenching by Rockhaven in 2012 returned up to 3.79 g/t Au and 190.48 g/t Ag over 9.20 m and 6.25 g/t Au and 319 g/t Ag over 4.80 m from TR-12-36. The best drill intercept returned 3.97 g/t Au and 95.4 g/t Ag across 1.26 m.

Trench results from 2013 returned assays of up to 1.35 g/t Au and 12.6 g/t Ag over 13.07 m, including 2.26 g/t Au and 22.34 g/t Ag over 5.98 m in TR-13-46.

Drilling in 2012 by Rockhaven Resources at Western Chevron intersected a zone of mineralization that assayed 3.38 g/t Au, 78.6 g/t Ag over 3.09 m (KL-12-108) and 3.97 g/t gold and 94 g/t silver over 1.26 m (KL-12-120).

Work History

Date	Work Type	Comment
7/1/2016	Geochemistry	
7/1/2016	Geochemistry	

7/1/2016	Ground Geophysics	
7/1/2015	Studies	
7/1/2015	Geochemistry	
7/1/2014	Ground Geophysics	
7/1/2009	Airborne Geophysics	
7/1/2009	Airborne Geophysics	
7/1/1996	Other	
7/1/1996	Geochemistry	
7/1/1996	Ground Geophysics	
7/1/1996	Ground Geophysics	
7/1/1981	Ground Geophysics	
7/1/1981	Ground Geophysics	
7/1/1974	Geochemistry	
7/1/1974	Geochemistry	
7/1/1974	Ground Geophysics	
7/1/1974	Geology	
12/13/2019	Drilling	
12/13/2017	Trenching	
12/13/2017	Drilling	2 diamond drill holes.
12/13/2016	Trenching	
12/13/2016	Geochemistry	
12/13/2016	Geochemistry	
12/13/2014	Geology	
12/13/2014	Ground Geophysics	And EM.
12/13/2013	Trenching	
12/13/2012	Trenching	
12/13/2012	Drilling	2 diamond drill holes.
12/13/2012	Geochemistry	
12/13/2011	Airphotography	
12/13/2011	Airborne Geophysics	
12/13/2011	Airborne Geophysics	
12/13/1988	Geochemistry	
12/13/1988	Trenching	
12/13/1988	Other	
12/13/1986	Geochemistry	
12/13/1986	Trenching	
12/13/1986	Other	

Related References

Number	Title	Page(s)	Reference Type	Document Type
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
YEG2019_5	Updated geology and porphyry copper potential of the Klaza deposit, Mount Nansen district (Yukon MINFILE 115I 067)		Yukon Geological Survey	Annual Report Paper
YEG2016_OV7	Klaza project: An expanding high-grade Au and Ag resource in the Mount Nansen gold camp		Yukon Geological Survey	Annual Report Paper