



Occurrence Details

Occurrence Number: 115I 101

Occurrence Name: Panther

Occurrence Type: Hard-rock

Status: Anomaly

Date printed: 6/15/2025 9:04:29 AM

General Information

Secondary Commodities: arsenic, gold

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

Location(s): 62°31'5" N - 137°45'35" W

NTS Mapsheet(s): 115I12

Location Comments: Assumed location of arsenic and antimony soil anomalies. Has not been relocated by either Canadian Nickel or Northern Tiger.

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Panther cl 1-6 (Y98908) in Jun/75 by DC Syndicate (Dome Exploration Ltd and Cominco Ltd), which conducted mapping and geochemical sampling later in the year.

Restaked as Rain cl 1-48 (YA75517) in Apr/83 by Canadian Nickel Company Ltd, which explored with mapping, EM geophysical and geochemical surveys later in the year.

Restaked as Chopin cl 1-44 (YC57846) in Jan/2007 by Firestone Ventures Inc which carried out reconnaissance exploration in the northern portion of the claim block (around Minfile Occurrence #115I 100) later in the year.

In Jun/2008 Firestone Ventures spun off its Chopin claims and other Canadian exploration properties to a new company, Northern Tiger Resources Inc. In addition Firestone Ventures signed a Memoranda of Understanding with Sherwood Copper Corp and their wholly owned subsidiary Minto Explorations Ltd whereby Sherwood Copper vended a 100% interest in four Yukon (Dawson Range) exploration properties and an extensive historical exploration database to Northern Tiger Resources. Sherwood Copper and Northern Tiger also entered into a Regional Exploration Alliance Agreement whereby the companies would provide input and cooperation on planning and executing exploration projects and long term strategies in the area. In return for this assistance Sherwood Copper retained back-in rights to acquire a 65% interest in any of Northern Tigers projects located within a 50 km radius of Sherwood Copper's Minto Mine facilities (Minfile Occurrence 115I 021 & 022) located approximately 36 km to the northeast.

In Aug/2008 Northern Tiger Resources carried out reconnaissance exploration on the central and southern portions of the Chopin claim block. The southern portion of the claim block hosts this occurrence.

In Jun/2011 Northern Tiger prospected and carried out a grid based soil sampling program over the occurrence area.

Capsule Geology

The area is located in the central Dawson Range, west-central Yukon approximately 36 km due southeast from Capstone Mining Corporation's Minto Mine. S. Johnston employed by the Yukon Geoscience office (now part of the Yukon Geological Survey) released a geological compilation in 1995 which covered the occurrence area. Johnston used data obtained from a Geological Survey of Canada Airborne Multiparameter Geophysical Survey (Open File 2816) to assist him in creating the compilation. Gordey and Makepeace (2003) released a geological compilation of the Yukon which included this area and various exploration companies have carried out geological mapping programs as part of their assessment requirements.

The occurrence area lies within the Yukon-Tanana terrane, an accreted terrane locally separated from strata of the ancestral North American margin by the northwest-trending Tintina fault. The occurrence area is underlain by massive and pyroxene porphyritic mafic basaltic and andesitic flows and metavolcanic sediments assigned to the Late Cretaceous Carmacks Group. A granitic intrusion, likely an outlier of the mid-Cretaceous Dawson Range Batholith intrudes basaltic rocks at the occurrence location. The northwest-trending Big Creek fault which extends northwest approximately 80 km from Mount Freegold to the south extends through Hayes Creek located approximately 1.5 km to the west-northwest.

The Mineral Industry Report for 1975 reports that weak arsenic and antimony soil anomalies are associated with a silicified zone that cuts mid-Cretaceous granite of the Dawson Range Batholith, and olivine basalt flows of the Late Cretaceous Carmacks Group, 1.5 km northeast of the Big Creek Fault. Gold values as high as 1.03 g/t were obtained in surface sampling.

The Canadian Nickel Company searched for the Panther zone but did not re-locate it. It also appears that Northern Tiger Resources did not relocate the occurrence. The southern limits of their mapping stopped in basaltic rocks and there is no mention of granitic rocks having been mapped in the southern portion of the Chopin claim block.

The 2011 soil grid lines were spaced approximately 50 m apart and samples were collected at approximately 50 m intervals. The sample grid surrounded the assumed location of the Panther zone (this occurrence). Results were slightly elevated around the site of the Panther showing.

References

CANADIAN NICKEL COMPANY LTD, Apr/84. Assessment Report #091530 by W.O. Manson.

FIRESTONE VENTURES INC, Jun/2008. Assessment #095007 by C. Schulze.

FIRESTONE VENTURES INC, Press Release. 3 Mar/2008, 23 Jun/2008, 27 Jun/2008.

FIRESTONE VENTURES INC, Jul/2004, Website: www.firestoneventures.com

MINERAL INDUSTRY REPORT 1975, p. 142.

NORTHERN TIGER RESOURCES INC, Apr/2009. Assessment Report #095085 by S. Schulze.

NORTHERN TIGER RESOURCES INC, Jun/2012. Assessment Report #095888 by D. Ouellette.

NORTHERN TIGER RESOURCES INC, Press Release. 23 Jun/2008, 27 Jun/2008, 24 Nov/2008.

NORTHERN TIGER RESOURCES INC., Feb/2010. Web Site: www.northerntiger.com.

Work History

Date	Work Type	Comment
12/31/2011	Geochemistry	Grid based soil sampling, centred over assumed location of anomaly. Also reconnaissance rock and silt sampling elsewhere on the claim block.
12/31/2011	Other	Prospecting.
12/31/2008	Geology	Carried out on central and southern end of Chopin claim block but did not locate occurrence.
12/31/2008	Other	Carried out on central and southern end of Chopin claim block but did not locate occurrence.
12/31/1983	Geology	
12/31/1983	Other	
12/31/1975	Geology	
12/31/1975	Other	
12/31/1975	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095888	2011	Assessment Report on the 2011 Surface Geochemical Program, Chopin Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Prospecting - Other		
095085	2008	Assessment Report on the 2008 Surface Geological and Geochemical Program, CHOPIN Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Line Cutting - Other, Prospecting - Other		
091530	1983	Geological, Geophysical and Geochemical Report Rain Project	Rock - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Petrographic - Lab Work/Physical Studies, Line Cutting - Other		

Related References

Number	Title	Page(s)	Reference Type	Document Type
2003-9(D1)	Yukon Digital Geology (version 2)		Yukon Geological Survey	Open File (Geological - Bedrock)
1993-3(G1)	Geological Map of Wolverine Creek (115I/12), Dawson Range, Yukon		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)
YEG1992-pg49	Preliminary results of 1:50 000-scale geologic mapping in Wolverine Creek map area (115 I/12), Dawson Range, southwest Yukon		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report Paper
YEG1979-80-pg68	Element distribution in Yukon gold-silver deposits		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report Paper
1987-3(G1)	Geology of Colorado Creek (115J/10), Selwyn River (115J/9) & Prospector Mountain (115I/5) Map Areas, Western Dawson Range, West Central Yukon		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)
1984-2	Gold-Silver Deposits and Occurrences in Yukon Territory		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)
ARMC016620	Geology map - 115I/12 - Mount Pitt		Property File Collection	Geoscience Map (Geological - Bedrock)