



Occurrence Details

Occurrence Number: 105F 125

Occurrence Name: Blackhawk

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 6/15/2025 10:25:30 AM

General Information

Secondary Commodities: gold

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

Location(s): 61°53'32" N - -132°34'19" W

NTS Mapsheet(s): 105F15

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

First staked in Sep/77 as part of Tom cl 1-276 (YA26155) by St Joseph Explorations Ltd, which performed mapping, rock and silt sampling in 1978. In 1988, International Rhodes Resources Ltd flew airborne geophysical surveys over the property as part of its exploration of the adjoining Ran claim block (not staked sequentially #199 = YB9169), and further explored with geochemistry and a remote sensing study. Restaked in May & Jun/91 as Blackhawk cl 1-24 (YB33936) and cl 25-50 (YB33970) by A. Carlos, who explored with prospecting, limited geochemical sampling and a VLF survey between June and Sep/91. The adjoining Ran claims were transferred to Carlos in Feb/92. In Feb/93, Carlos optioned the property to YGC Resources Ltd which dug 8 trenches (950 m) in Sep and Oct/93. Carlos transferred the Blackhawk claims to YGC Resources in Oct/94. In 1995 the company drilled 1 diamond drill hole (56.39 m) to the north, on Ran cl #631.

Capsule Geology

The occurrence area covers both Paleozoic sedimentary rocks found south of the Tintina Trench and younger Tertiary sedimentary and volcanic rocks located within the Tintina Fault zone. The area received significant work following the discovery of the Grew Creek epithermal gold deposit in 1983 (Minfile Occurrence #105K 009). The deposit is hosted by Eocene volcanic and sedimentary rocks deposited in a pull-apart basin within the Tintina Fault zone. St. Joseph Exploration explored for lead-zinc deposits in the Paleozoic sediments. Soil sampling outlined a broad low order zinc anomaly. International Rhodes Resources Ltd. identified a mercury (>100 ppb) soil and humus geochemical anomaly and a broad, weak gold geochemical anomaly (>20 ppb) while exploring for epithermal gold deposits. The 1988 airborne survey identified two circular magnetic lows, thought to represent Tertiary felsic igneous rocks and a number of linear magnetic highs, thought to indicate mafic igneous rocks (Lebel and Raven, 1988). The Blackhawk claims cover a gossanous outcrop of Cambrian to Ordovician age silicified calcareous phyllite located on the western edge of the Tintina trench. Carlos excavated a hand pit on a multi-element geochemical anomaly at the northeast corner of Blackhawk claim #6, and sampled surficial material consisting of fragments of rusty phyllite and minor till. Two heavy mineral concentrates obtained by panning the gossanous material contained 17 588 ppb Au and 63 400 ppb Au, although no visible gold was observed. The bedrock beneath was not anomalous (Carlos, 1992). Trenching in 1993 exposed thin bedded carbonaceous argillite, shale and siltstone overlying orange weathering silty limestone and calcareous phyllite (Stroshein, 1993). Twenty out of 144 rock chip samples returned gold values above the detection limit (<35 ppb max). These samples were generally associated with graphitic or pyritic shear zones. The 1995 tricone drill hole collared on Ran cl #631, located in the Tintina Fault Zone, tested geophysical anomalies. It intersected 29 m of black argillaceous organic rich Tertiary sediments beneath a thick blanket of glacial till and outwash sediments. The hole was abandoned at 56.39 m. Two grab samples were collected from the black clay, one of which returned 377 ppb Au (Stroshein, 1995).

References

CARLOS, A., Apr/92. Assessment Report #093018 by A. Carlos.

CARLOS, A., Apr/96. Assessment Report #093421 by A. Carlos.

INTERNATIONAL RHODES RESOURCES LTD, 1988. Assessment Report #092642 by J.L. Lebel and W. Raven.

ST. JOSEPH EXPLORATIONS LTD, 1978. Assessment Report #090397 by D.C. Miller and D.A.R. Hendry.

YGC RESOURCES LTD, 1993. Assessment Report #093149 by R.W. Stroshein.

YGC RESOURCES LTD, Apr/96. Assessment Report #093410 by R.W. Stroshein

Work History

Date	Work Type	Comment
12/31/1995	Drilling	One hole, 56.39 m. Tested geophysical anomaly in Tertiary sediments on adjacent Ran claims.
12/31/1993	Trenching	Work carried out on Blackhawk claims.
12/31/1991	Geochemistry	Also silt sampling.
12/31/1991	Ground Geophysics	(VLF survey).

12/31/1991	Other	
12/31/1988	Airborne Geophysics	Also VLF and total magnetic field surveys. Flew property as part of exploration of adjoining Ran claims.
12/31/1978	Geochemistry	
12/31/1978	Geology	
12/31/1978	Geochemistry	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095828	2011	Assessment Report, 2011 Exploration Program	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Orthophoto - Airphotography, Diamond - Drilling, Rotary - Drilling, Detailed Bedrock Mapping - Geology, Downhole Survey - Ground Geophysics, IP - Ground Geophysics, Resistivity - Ground Geophysics, Prospecting - Other	70	19107
093416	1995	1995 Diamond Drilling Report on the Grew Creek Gold Project	Diamond - Drilling	14	1530
093018	1991	Geological, Geophysical and Geochemical Report on Blackhawk 1-50 Mineral Claims	Rock - Geochemistry, EM - Ground Geophysics, Line Cutting - Other, Prospecting - Other		
090397	1978	Geological and Geochemical Report on the Tom Claims, Yukon	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		