



Occurrence Details

Occurrence Number: 1050 034
Occurrence Name: Limey Ridge
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 8/6/2025 4:38:04 AM

General Information

Secondary Commodities: antimony, arsenic, gold
Deposit Type(s): Carbonate-Hosted Disseminated Au-Ag (Carlin-type)
Location(s): 63°18'57.58" N - -131°3'35.53" W
NTS Mapsheet(s): 105006
Location Comments: Location marks approximate center point of multi-element soil geochemical anomaly.
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

The area was explored in 1967-68 by Atlas Explorations Ltd which carried out a regional geochemical exploration program.

Staked within Oro cl 61-66 (YD104915) cl 77-82 (YD104931), cl 95-98 (YD104949) and cl 237-318 (YD105091) in Oct/2010 by Cathro Resource Corporation. The claims are part of a larger block of Oro claims (330 claims) staked to the east by the company.

In Nov/2010 Colorado Resources Ltd acquired a 100% option on the Oro and other neighbouring claims from Cathro Resource Corp in return for cash, shares and certain work commitments. Colorado Resources staked additional claims in Apr/2011 creating a large exploration property commonly known as the Oro Property.

During the 2011 exploration season, Colorado Resources carried out a helicopter-borne magnetic and electromagnetic geophysical survey over the entire property. The area surrounding this occurrence was explored with a large regional silt and soil sampling program; part of a larger property wide exploration program In Aug/2011 the company signed a Traditional Knowledge Protocol with the Ross River Dena Council whose traditional territory encompasses the project area.

In 2012 Colorado Resources conducted infill soil sampling and geologically mapped the area surrounding the occurrence.

In May/2013 Colorado Resources optioned the Oro property to Gold Fields Selwyn Exploration Corporation a wholly owned subsidiary of Gold Fields Ltd. Under the agreement Gold Fields could acquire up to a 71% interest in the property subject to certain payments, work commitments and share issuances.

During the 2013 exploration program Gold Fields undertook a proprietary analysis of more than 20 000 soil and rock samples previously collected by Colorado Resources to identify areas to be highly prospective for "Carlin style mineralization". Gold Fields used the results of this study to guide a diamond drill program consisting of 13 holes (1 614 m) that tested 7 different areas of the property. One diamond drill hole (Oro 13-04 -length not reported) tested this occurrence.

In Nov/2013 Gold Fields terminated its option on the Oro claims.

Capsule Geology

The occurrence area is located approximately 40 km west of the Macmillan Pass Airstrip near the central-east boundary of the Yukon. Access to the occurrence area is via helicopter from the airstrip or the camp/staging area located along the North Canol Highway approximately 10 km to the south of the airstrip.

The area was regionally mapped throughout the 1980's by G. Abbott who was employed by Exploration and Geological Services Division of the Department of Indian and Northern Affairs, Yukon. In April 2003 Abbott and the division was devolved to the Yukon Government and is now part of the Yukon Geological Survey. In 2013 Abbott released an updated version of the geology of the Macmillan Pass area based on his 30 year career in the Yukon. Beginning in 2011 Colorado Resources began remapping their Oro property in detail. In the first year the company mapped in detail the area surrounding the J.O. – Saddle – Canol zones where mineralization had been previously discovered by AGIP. In the second year the company expanded eastward and regionally mapped the central portion of their large property. Although Colorado Resources' mapping differs somewhat from Abbott's in terms of the composition of individual geological units and their stratigraphic location, Colorado's mapping generally mirrors Abbott's work.

Colorado Resources optioned the Oro property to explore for "Carlin Type" gold mineralization. Reconnaissance scale soil sampling completed in 2011 by the company outlined anomalous gold, silver, arsenic and mercury values 3.5 km northwest of the Oro Main zone (Minfile Occurrence #1050 032) which the company named the Limey Ridge zone (this occurrence).

Detailed follow-up soil sampling carried out in 2012 outlined a cohesive 300 m by 400 m multi-element geochemical anomaly defined by >98th percentile gold (>42.7 ppb), arsenic (>126.5 ppm) and antimony (>42 ppm). Within this cohesive anomaly, values range from >95th percentile values up to 1 112 ppb gold and 534 ppm arsenic. Interestingly, there are no anomalous silver values found within this defined zone. The zone occurs in the structural footwall quartzite units (Mississippian Tschu Group Sandstone Facies) to the Mississippian Tschu Group Caribou Pass Formation limestone. The quartzite is strongly veined with significant iron carbonate alteration and is considered to be very permissive for the development of bulk tonnage gold mineralization.

Gold Fields Selwyn Exploration Corporation tested the Limey Ridge anomaly with one diamond drill hole (Oro13-04). No results have been publicly released. A press release dated November 22, 2013 and released by Colorado Resources states, "Gold Fields noted that although high grade results were not recognized there were sufficient widespread anomalous gold areas (on the Oro property) to warrant further work. While the results of the 2013 program were promising, Gold Fields' current mandate is to focus more on near-term development opportunities; it has subsequently provided notice that it will not proceed under terms of its Option Agreement with the company".

Work History

Date	Work Type	Comment

12/13/2013	Drilling	One hole (length unknown) collared to test soil anomaly. Part of larger 13 hole program (1,614 m) on Oro property. No results released.
12/13/2013	Lab Work/Physical Studies	Gold Fields undertook a proprietary analysis of all rock, soil and silt samples collected by Colorad Resources.
12/13/2012	Geochemistry	Infill sampling around occurrence location.
12/13/2012	Geology	Carried out over occurrence area.
12/13/2011	Geochemistry	Regional program, also collected silts.
12/13/2011	Airborne Geophysics	Also flew magnetics. survey covered entire property.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096656	2013	2013 Geological, Geochemical and Diamond Drilling Report on the Oro Property	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Prospecting - Other	13	2614.36
096293	2012	2012 Geological, Geochemical and Trenching Report on the Oro Property	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other, Backhoe - Trenching		
095744	2011	Geological, Geochemical, Geophysical and Trenching Report on the Oro Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Interpretation - Airphotography, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other, Backhoe - Trenching		
093827	1997	1997 Geological Assessment Report on Emerald Lake Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry		
019809	1968	Hess Area Project Proposed Property Follow-Up 1968 Field Season	Research/Summarize - Pre-existing Data		
019033	1968	Atlas Explorations Limited Project Report 1968 Hess River Area	Silt - Geochemistry, Soil - Geochemistry, Regional Bedrock Mapping - Geology		
018947	1967	Hess River Project Report	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology		
019032	1967	Hess River Project Report	Data Compilation - Pre-existing Data		

Related References

Number	Title	Page(s)	Reference Type	Document Type
YEG1981-pg15	Mineral exploration in Yukon and western district of Mackenzie: Deposit discovery rate and exploration potential	15-21.	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report Paper
YEG1982	Yukon Exploration and Geology 1982	163, 167.	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG2011_OV	Yukon Exploration and Geology Overview 2011	26-27, 66.	Yukon Geological Survey	Annual Report
YEG2012_OV	Yukon Exploration and Geology Overview 2012	36-37, 62.	Yukon Geological Survey	Annual Report
YEG2013_OV	Yukon Exploration and Geology Overview 2013	27-28, 43, 47.	Yukon Geological Survey	Annual Report
1983-1	Structure and Stratigraphy of the MacMillan Fold Belt: Evidence for Devonian Faulting		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)
GM2013-1	Bedrock geology of the Macmillan Pass area, Yukon and adjacent Northwest Territories		Yukon Geological Survey	Geoscience Map (Geological - Bedrock)
ARMC016470	Aeromagnetic series map of 1050/12 showing geology		Property File Collection	Geochemical Map
BROCK00090	Geology map - Geochemical results and claim group map of sheet 105-O-6 - Fig. 19		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC015566	Map sheet 1050/12 with geochemical results and locations		Property File Collection	Geochemical Map
ARMC015565	Map sheet 1050/12 with geological and structural notations		Property File Collection	Geoscience Map (Geological - Bedrock)