



Occurrence Details

Occurrence Number: 105D 100

Occurrence Name: Inco

Occurrence Type: Hard-rock

Status: Showing

Date printed: 6/16/2025 1:17:16 AM

General Information

Secondary Commodities: copper, gold, silver

Aliases: Red Ridge, Red Top

Deposit Type(s): Porphyry Cu-Mo-Au

Location(s): 60°21'36" N - -135°4'44" W

NTS Mapsheet(s): 105D06

Location Comments: 1 Kilometres

Hand Samples Available: Yes

Last Reviewed:

Capsule

Work History

Originally staked as Red cl 1-30 (Y79571) in Jul/74 by Canadian Nickel Company Ltd which carried out soil sampling and geological mapping later in the year, but did not file any work. Restaked as PCG cl 1-12 (YA86918) in Jun/85 by Havilah Gold Mines Ltd (a wholly owned subsidiary of New Era Developments Ltd), which immediately staked Four F cl 1-64 and 67-109 (YA86930) to surrounded the PCG claims on three sides and carried out prospecting, geological mapping and geochemical rock, soil and stream sediment sampling later that year. In 1986 and 1987, Havilah carried out geological mapping, prospecting, geochemical sampling and hand trenching. In 1988, New Era took over as operator on the project and staked Perk cl 1-92 (YB20075) contiguously to the south in Jun/88 and Ruff cl 1-28 (YB20651) to the northeast in July/88. During that year the company carried out geochemical sampling, prospecting, geological mapping, road building, bulldozer and backhoe trenching and drilled 23 holes (1 517 m). Omni Resources Inc staked JTR cl 1 (YC08298) 2 km to the southwest (in Thompson Creek) in Sept/97. Restaked as Red Top cl 1-6 (YC09143) in Oct/98 by Sidehill Enterprises Ltd (M. Glynn) who had earlier re-examined core from the 1989 drill program that was stored on the property. In 1999 resampling and geochemical analysis of core from 13 of the 1989 drill holes was carried out and Glynn staked Red Top cl 7-8 (YC14696) 0.5 km southwest of the existing Red Top claims.

Capsule Geology

The property covers the hornfelsed contact between an undifferentiated, protacted intrusive complex containing Late Triassic and mid- and Late Cretaceous aged granodiorite to diorite and argillite, limestone, chert and sandstone of the Jurassic Laberge Group. The hornfelsed rocks are rusty weathered and form a large gossan along the central part of the main east-west ridge. Andesitic flows, breccia and tuff of early Mesozoic age outcrop in the west and northeast areas of the property and are cut by northeast trending rhyolite, andesite and fine grained granitic dykes of probable Eocene age.

Initial exploration in 1974 was directed toward minor chalcopyrite and molybdenite in quartz veinlets and disseminations in the hornblende diorite, while later work was directed toward steep-dipping, north-trending vein zones associated with the dykes.

The veins consist of zones of bleached and sheared wall rock up to 5 m wide which contain narrow disseminated quartz veins, weakly mineralized with pyrite, galena, chalcopyrite and sphalerite. Specimens of mineralized quartz assayed up to 6 200 g/t Ag and 28 g/t Au.

Six main zones named Western, Miller, Saddle, Don, Vance and East, which are situated along the main ridge from west to east, have been explored by trenching and diamond drilling;

¿The Western Zone consists of a quartz-carbonate-tetrahedrite vein from which assays up to 2 246 g/t Ag were returned over widths of 10 to 40 cm.

¿The Miller Zone, which consists of a 2 to 3 m wide zone of shearing and alteration that contains galena-quartz pods throughout. Quartz veins, 10 to 20 cm in width occur discontinuously in both the footwall and the hangingwall of the zone. Samples from trenches in the area returned up to 470 g/t Ag across 9.8 m and the best result from drilling was 3.5 g/t Au and 341 g/t Ag across 0.76 m from Hole SR88-19.

¿The Saddle Zone consists of limonite-manganese-clay gouge within a 30 m wide zone of alteration and shearing that returned an average 6.1 g/t Au and 423 g/t Ag over 0.5 m for a length of 42 m. Drilling of this zone produced values up to 28.49 g/t Au and 31.51 g/t Ag over 0.4 m.

¿The Don zone was discovered by cross-cut trenching of an area of anomalous silver soil geochemistry. It consists of a 1 m wide zone of argillically altered granodiorite that is silicified and chloritized and contains pods and seams of manganese stained quartz. Sampling returned an average of 10.1 g/t Au and 1 519 g/t Ag across 0.5 m, over a length of 39 m. Three drill holes returned low values for gold and silver, possibly due in part to poor core recoveries.

¿The Vance zone consists of a 45 to 90 cm quartz vein containing abundant malachite and weathered sulfide vugs surrounded by a 1 m wide halo of argillically altered granodiorite. The quartz vein returned an assay of 204 g/t Ag across 0.75 m. The best assay from 8 holes drilled below this zone was 75 g/t Ag over 0.73 m in Hole SR88-12.

¿The East zone which consists of limonitic and clay altered fault gouge with quartz and manganese stained lenses is surrounded by a large argillic alteration halo. Drilling of the zone suffered from very poor core recoveries due to bad ground conditions.

In 1999 a total of 30 intervals, the majority of which were adjacent to previously assayed sections which had returned anomalous gold values, were resampled. Most of these samples returned low to weakly anomalous gold values, except for a previously unsampled section from Hole SR88-12 consisting of fractured, limonitically stained and silicified granodiorite which returned 2.34 g/t Au over 1.5 m.

References

HART, C.J.R. and RADLOFF, J.K., 1990. Geology of Whitehorse, Alligator Lake, Fenwick Creek, Carcross and part of Robinson Map Areas (105D/11, 6, 3 and 7). Indian and Northern Affairs Canada, Yukon Region, Open File 1990-4.

HAVILAH GOLD MINES LTD, Mar/87. Assessment Report #091928 by H.J. Keyser.

HAVILAH GOLD MINES LTD, Aug/87. Assessment Report #091738 by H.J. Keyser.

HAVILAH GOLD MINES LTD, Apr/88. Assessment Report #092128 by T. Garagan.

NEW ERA DEVELOPMENTS LTD, Nov/88. Assessment Report #092577 by R.T. Henneberry.

NEW ERA DEVELOPMENTS LTD, Jun/89. Assessment Report #092736 by R.T. Henneberry.

SIDEHILL ENTERPRISES LTD, Jan/2000. Assessment Report #094136 by M. Glynn.

YUKON EXPLORATION 1987, p. 131-132; 1988, p. 57.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 164.

Work History

Date	Work Type	Comment
12/31/1999	Other	Core from the 1989 drill program was resampled and geochemically analysed.
12/31/1988	Drilling	Number of holes drilled: 23 Amount of work done: 1571 METRES
12/31/1988	Development, Surface	
12/31/1988	Geochemistry	
12/31/1988	Trenching	
12/31/1988	Other	
12/31/1987	Geology	
12/31/1987	Trenching	
12/31/1987	Other	
12/31/1987	Other	
12/31/1986	Geology	
12/31/1986	Trenching	
12/31/1986	Other	
12/31/1986	Other	
12/31/1985	Geology	
12/31/1985	Other	
12/31/1985	Other	
12/31/1974	Geology	
12/31/1974	Geochemistry	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097234	2018	Assessment Report - Geological Mapping, Rock and Soil Geochemical Sampling at the Red Ridge Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology		
097089	2017	Assessment Report - Sampling at the Red Ridge Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology		
095172	2009	Report on Prospecting and Grid Establishment Red Ridge Property	Rock - Geochemistry, Line Cutting - Other, Prospecting - Other		
094136	1999	Drill Core Re-Evaluation and Geochemical Analysis	Historical Drill Core - Geochemistry		
092736	1989	Interim Assessment Report, 1988/1989 Stage II Exploration Program on the Red Ridge Property	All Weather Road - Development, Surface, Diamond - Drilling, Rock - Geochemistry, Backhoe - Trenching, Mechanical - Trenching	23	1517
092577	1988	1988 Stage 1 Progress Report for Assessment Credit on the Red Ridge Property	All Weather Road - Development, Surface, Hand - Trenching, Mechanical - Trenching		
092128	1987	Geological and Geochemical Assessment Report on the Red Ridge Property	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other, Hand - Trenching		
091738	1986	Geological and Geochemical Assessment Report on the Red Ridge Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other, Hand - Trenching		
061734	1975	Prospecting and Examination Report	Diamond - Drilling, Prospecting - Other		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC005336	Reconnaissance report on the Red Ridge property		Property File Collection	Report
ARMC005345	Property plan map in area of Laf and Fourf claims - overlay		Property File Collection	Geoscience Map (General)
ARMC005346	Geology and geochemistry map - Red Ridge property - Watson River area		Property File Collection	Geoscience Map (Geological - Bedrock)