



Occurrence Details

Occurrence Number: 105D 199
Occurrence Name: Oj
Occurrence Type: Hard-rock
Status: Anomaly
Date printed: 6/15/2025 7:40:53 AM

General Information

Secondary Commodities: copper, gold
Deposit Type(s): Skarn Cu
Location(s): 60°46'24" N - -135°10'44" W
NTS Mapsheet(s): 105D14
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

The occurrence is located at the northwestern end of the Whitehorse Copper Belt, an area which has been constantly explored since the early 1900's. Early work history/staking records for the area are sketchy but it seems certain that the first prospectors arriving at the beginning of the century explored and staked claims in the immediate area. In Sep/63 H. Fromme staked the occurrence within the Jean claims. Restaked as Man cl 1-16 (Y18150) in May/68 by Ambassador Mines Ltd which flew an airborne magnetometer and electromagnetic survey later in the year. In Sep/68 O.J. Johnson staked OJ (fractional) cl 1-4 (Y26020) on the east side of the Jean claims. Johnson later transferred the claims to P. White. Restaked as We cl 19-34 (Y66018, not consecutively numbered) in Dec/71 by Whitehorse Copper Mines Ltd. In 1972 the company carried out an IP geophysical survey over the claims and drilled two diamond drill holes (253.14 m) on We claims 20 and 22/29. In Aug/77, OJ fractional claim #2 was tested by a single diamond drill hole (68.74 m). In Jul/80 Whitehorse Copper Mines Ltd drilled 1 diamond drill hole (178.95 m) on Jean cl 28, located approximately 2 km to the south. Restaked as Hat cl 1-20 (YB57537) in May/95 by R. Hamel who added Hat cl 21-36 (YB58021) in Aug/95. In Jan/96 the Hat claims were transferred to Northwest Enterprises Inc and in Jul/98 a 50% interest in the claims was transferred to Klwane Drilling Ltd.

Capsule Geology

The occurrence located at the northern end of the Whitehorse Copper Belt and is underlain by a sequence of Late Triassic Lewes River Group clastic sediments, comprised primarily of greywacke, argillite, sandstone, mudstone and tuff with intercalated limestone and a thick bed of Triassic limestone (Hart, 1997). Approximately 400 m south of the occurrence, these units have been intruded by a mid-Cretaceous biotite-hornblende granodiorite belonging to the Whitehorse Plutonic Suite. A late Paleocene biotite granite belonging to the Nisling Range Plutonic Suite intrudes the sequence less than a kilometre to the west. Prospecting carried out by Whitehorse Copper Mines on the We claims located several pieces of skarn float that assayed up to 3% Cu (Tenney and Jutronic, 1973), and an IP anomaly that was drill tested (Hureau, 1973). The drill holes intersected argillite and quartzites, locally calcareous. Drilling on the OJ #2 fractional claim intersected diorite and limestone (Hilker, 1977). Whitehorse Copper Mines' single drillhole on the Jean Claim intersected a number of diorite - granodiorite dykes, hornfelsed sediments and weak skarn material (Hureau, 1980).

References

AMBASSADOR MINES LTD, May/69. Assessment Report #060009 by H.H. Cohen.

HART, C.J.R., 1997. A Transect Across Stikinia: Geology of the Northern Whitehorse map Area, Southern Yukon Territory (105D/13-16). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Bulletin 8, 112p.

HART, C.J.R., 1997. Geology of Upper Laberge map area, southern Yukon, (NTS 105D/14). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Geoscience Map 1997-5, 1:50 000 scale.

HILKER, R.G. Aug/77. Assessment Report #091130 by R.G. Hilker.

MINERAL INDUSTRY REPORT 1978, p. 36.

NEW IMPERIAL MINES LTD, 1972. Assessment Report *#091118 by D. Tenney and A. Hureau.

WHITEHORSE COPPER MINES LTD, Dec/73. Assessment Report #060155 by T.R.B. Dundas and J.E. Wyder.

WHITEHORSE COPPER MINES LTD, Jun/73. Assessment Report #091130 by D. Tenney and V.V. Jutronic.

WHITEHORSE COPPER MINES LTD, 1980. Assessment Report #090645 by A. Hureau.

WHITEHORSE COPPER MINES LTD, 1980. Assessment Report *#090823 by unknown.

YUKON EXPLORATION AND GEOLOGY 1981, p. 115.

Work History

Date	Work Type	Comment
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12/31/1980	Drilling	One hole, 178.95 m.
12/31/1977	Drilling	One hole, 68.74 m.
12/31/1972	Drilling	Two holes, 253.14 m. Tested I.P. targets.
12/31/1972	Ground Geophysics	
12/31/1968	Airborne Geophysics	Also magnetic survey.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096341	2012	Resistivity and Induced Polarization Survey - Dee Claims	IP - Ground Geophysics, Line Cutting - Other		
094219	2000	Total Magnetic Field and VLF-EM Surveys at the Haeckel Hill Property	EM - Ground Geophysics, Magnetics - Ground Geophysics, Line Cutting - Other		
093659	1997	[Prospecting on the Cat 1-6 Claims]	Prospecting - Other		
092025	1974	[Proposed 1974 Exploration of the Cowley Park and War Eagle Properties]	Property Evaluation - Other		
061172	1974	[Proposed 1974 Exploration of the Cowley Park and War Eagle Properties]	Property Evaluation - Other		
061173	1974	Report on Exploratory Work on Whitehorse Copper Belt	Diamond - Drilling, Drill Core - Geochemistry, IP - Ground Geophysics	10	2222.29
061254	1974	Report on Exploratory Work done under ""Northern Mineral Exploration assistance Program""	Diamond - Drilling, IP - Ground Geophysics, Magnetics - Ground Geophysics	10	1510.59
062018	1973	Preliminary Report on Geological Control to Ore Distribution in the Whitehorse Copper Belt	Reverse Circulation - Drilling, Bedrock Mapping - Geology, Petrographic - Lab Work/Physical Studies	665	5555
060155	1973	Report on an Induced Polarization Survey in the Whitehorse Area, Yukon Territory	Magnetics - Ground Geophysics, Line Cutting - Other		
060527	1973	Proposed Surface Exploration	Research/Summarize - Pre-existing Data		
060009	1968	Report on the Airborne Geophysical Survey Man 1-16 Mineral Claims	Electromagnetic - Airborne Geophysics, Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics		