



Occurrence Details

Occurrence Number: 115G 015

Occurrence Name: Cork

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 12/15/2025 10:19:51 PM

General Information

Secondary Commodities: copper, molybdenum

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

Location(s): 61°22'28" N - -139°26'9" W

NTS Mapsheet(s): 115G06

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

First staked as Betsy, Olga and Clem cl (63296) in Jul/52 by P. Verslucce, H. Verslucce and C. Eminger. Restaked as Cork cl (Y9756) in Jul/66 during a reconnaissance geochem program by a syndicate composed of Imperial OL, Alcon Pet L and Can Industrial G & OL. Alcon's interest was later assigned to Bow Valley Res L. Exploration consisted of preliminary mapping and limited magnetic, IP and soil sampling surveys in 1967, detailed mapping and road building in 1969 and 8 holes (805 m) in 1970. Restaked as Granite cl (YA24066) in Apr/79 by G. Harris and as JY cl (YA51133) in Oct/80 by L.B. Halferdahl & Assoc (BUR Synd), which mapped and sampled in 1981, trenched in 1984 and transferred its property in 1985 to Tatam Res L. In 1987, the claims were transferred to Nathan Mls Inc, which performed airborne and ground VLF and magnetic surveys and soil sampling in 1988. Road improvements were done in 1989.

Capsule Geology

Disseminated pyrite, chalcopyrite and molybdenite occur in quartz veins and dry fractures cutting irregular sills or dykes of Tertiary feldspar porphyry dated at 26 Ma which intrude hornfelsed argillite of the Permian Hasen Creek Formation. The mineralization is exposed in a creek bed at two locations and is elsewhere covered by overburden. It is associated with weak but pervasive hydrothermal alteration and brecciation and is surrounded by a pyrite halo and hornfels zone which has weathered to form a prominent gossan. Alteration consists of weak chloritization and silicification and local argillic and sericitic development. Grade is less than 0.2% Cu and 0.01% MoS₂.

References

CANADIAN INDUSTRIAL GAS AND OIL LTD, 1967. Assessment Report *#019086 by G.J. McGinn.

CHRISTOPHER, P.A., WHITE, W.H. AND HAKAKAL, J.E., Sep/72. K-Ar dating of the Cork (Burwash Creek) Cu-Mo prospect. Canadian Journal of Earth Sciences, p. 918-921.

DODDS, C.J., AND CAMPBELL, R.B., 1992. Overview, legend and mineral deposit tabulations for Geological Survey of Canada Open Files 2188, 2189, 2190 and 2191.

GEOLOGICAL SURVEY OF CANADA Paper 68-68, p. 73-74.

GEOLOGICAL SURVEY OF CANADA Open File 381, p. 64-65.

GEOPHOTO SERVICES LTD, 1967. Assessment Report *#019087 by R.A. Bell.

HALFERDAHL and ASSOCIATES LTD, 1979. Assessment Report *#090499 by R. Bissonnette.

HALFERDAHL and ASSOCIATES LTD, 1980. Assessment Report *#090655 by L.B. Halferdahl.

HALFERDAHL and ASSOCIATES LTD, 1981. Assessment Report *#090848 by L.B. Halferdahl.

HALFERDAHL and ASSOCIATES LTD, 1981. Assessment Report *#090875 by L.B. Halferdahl.

HALFERDAHL and ASSOCIATES LTD, 1981. Assessment Report *#090891 by D.B. Nelson.

HALFERDAHL and ASSOCIATES LTD, 1982. Assessment Report *#091175 by L.B. Halferdahl.

HALFERDAHL and ASSOCIATES LTD, 1982. Assessment Report *#091397 by L.B. Halferdahl.

HALFERDAHL and ASSOCIATES LTD, 1983. Assessment Report *#091495 by L.B. Halferdahl.

HALFERDAHL and ASSOCIATES LTD, 1984. Assessment Report *#091585 by L.B. Halferdahl.

IMPERIAL OIL ENTERPRISES LTD, 1969. Assessment Report *#019088 by R.W. Oddy.

MINERAL INDUSTRY REPORT 1969-70, p. 101-102.

NATHAN MINERALS INC., Apr/90. Assessment Report #092950 by L.B. Halferdahl.

TATAM RESOURCES INC, 1986. Assessment Report *#091796 by L.B. Halferdahl.

TATAM RESOURCES INC, 1986. Assessment Report *#091864 by L.B. Halferdahl.
YUKON EXPLORATION 1985-86, p. 215-216.
YUKON EXPLORATION AND GEOLOGY 1981, p. 209-210.
YUKON MINING AND EXPLORATION OVERVIEW 1988, p. 34.

Work History		
Date	Work Type	Comment
12/31/1989	Development, Surface	
12/31/1988	Geochemistry	
12/31/1988	Airborne Geophysics	Also VLF survey .
12/31/1984	Trenching	
12/31/1981	Geology	
12/31/1981	Trenching	
12/31/1970	Drilling	Eight holes, 805 m.
12/31/1969	Geology	
12/31/1969	Development, Surface	
12/31/1967	Geology	
12/31/1967	Geochemistry	
12/31/1967	Ground Geophysics	
12/31/1966	Geochemistry	Reconnaissance scale.
12/13/1988	Ground Geophysics	Also VLF survey .
12/13/1981	Drilling	Five holes completed, only 2 holes, 143.3 m were filed.
12/13/1979	Geochemistry	
12/13/1979	Ground Geophysics	
12/13/1978	Drilling	Cobra drill. Overburden drilling.
12/13/1978	Geochemistry	

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095836	2011	2011 Technical Assessment Report for the Corky Property, Yukon Territory	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Regional Bedrock Mapping - Geology, Prospecting - Other	3	146.91
095477	2010	Assessment Report Describing Geochemical Sampling and Airborne Geophysical Surveys at the Corky Property	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Soil - Geochemistry		
095382	2010	Assessment Report Describing Geochemical Sampling and Airborne Geophysical Surveys at the Cork Property	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Soil - Geochemistry		
091864	1986	1986 Geological, Geochemical, and Geophysical Exploration of the Bur Property, Yukon	Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies		
091495	1983	1983 Magnetometer Survey, Soil Sampling and Final Part of Heavy Mineral Sampling of the Bur Property, Yukon	Soil - Geochemistry, Magnetics - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies		
091175	1982	1982 Drilling and Initial Part of 1983 Heavy Mineral Sampling of Part of the Bur Property, Yukon	Diamond - Drilling, Heavy Mineral Concentrate - Lab Work/Physical Studies	3	272.79
019088	1969	Geological Report Cork Claim Group	Rock - Geochemistry, Detailed Bedrock Mapping - Geology		
019086	1967	[Geophysical Surveys and Geochemistry on Cork Claims]	Soil - Geochemistry, Magnetics - Ground Geophysics		
019087	1967	Report on Induced Polarization Survey of the Cork Group	IP - Ground Geophysics		

Drill core at YGS core library					
Number	Property	Year Drilled	Core Size	Photos	Data
IMP-DDH 1 (70-1)	Cork	1970	BQ	0	2

IMP-DDH-2 (70-2)	Cork	1970	BQ	0	2
IMP-DDH-3 (70-3)	Cork	1970	BQ	0	2
IMP-DDH-4 (70-4)	Cork	1970	NQ	0	2
IMP-DDH-5 (70-5)	Cork	1970	NQ	12	2
IMP-DDH-6 (70-6)	Cork	1970	NQ	8	2
DDH-10	Cork		BTW	0	0
DDH-7	Cork		BTW	0	0
DDH-8	Cork		BTW	0	0
DDH-9	Cork		BTW	0	0