



Occurrence Details

Occurrence Number: 105J 004

Occurrence Name: Norken

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 4/29/2025 7:36:38 PM

General Information

Secondary Commodities: copper, lead, silver, zinc

Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au

Location(s): 62°14'38" N - -130°41'57" W

NTS Mapsheet(s): 105J02

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Oke cl (72725) in Sep/56 by Kennco. Restaked in Sep/59 as Norken and Fool cl (74441) by Yukon Can Mg CL, a member of the Hirshorn group, which explored with trenching, mag and EM surveys and 6 holes (564.8 m) in 1961 and 7 holes (800.1 m) in 1962. The showing was fringe staked during this period by various companies in the Hirshorn group - Consolidated Marbenor ML, Snowdrift Base Met ML, Consolidated Panther ML, Indian Mountain Met ML, Elite Cobalt ML, Castlebar Silver and Cobalt ML, Penelope EL, Gui-Por Uranium and Met L, and Murky Fault Met ML. Kerr Addison ML tied on the Top cl (77636) in Apr/62.

Restaked in Jun/66 as Emu cl (Y7939) by Atlas EL; as the Bill cl (Y42918) in Aug/70 by B. Wilson; as Core cl (Y74002) in Aug/73 by J.H. Oliver and as Kate cl (Y83857) in Feb/75 by Welcome North ML, which conducted mapping and geochem sampling later in the year. Tony Rich tied on Pro cl (Y84153) in Jun/75 at the northwest end, possibly for Vestor EL, and Cyprus Anvil tied on Pig cl (YA106) to the east in Jul/76 and explored with geochem sampling in 1976 and geochem, mapping and EM surveys in 1977, when the Kate group was briefly optioned.

In 1980, Getty Mg optioned the Kate group and performed mapping and geochem sampling.

Capsule Geology

The oldest rocks on the property consist of quartz-diopside-actinolite-biotite skarn with minor bands of marble, limestone and amphibolite, that are probably correlative with the Cambro-Ordovician Rabbitkettle Formation. This calc-silicate sequence is overlain by graptolitic and graphitic shale and chert of the Ordovician -Lower Devonian Road River Formation and varicoloured chert, grey to green shale and grey limestone, probably of Devonian-Mississippian age. Dykes and sills of diorite (probably Tertiary) intrude the sequence.

Finely laminated sphalerite and galena in shale has been found as float on the claims but the source has not been located. A selected specimen assayed by Welcome North returned 11.5% Pb, 8.9% Zn and 154.3 g/t Ag.

The early work by Yukon Canada Mining Co. Ltd was directed toward a showing containing chalcopyrite, pyrrhotite, pyrite and minor galena and sphalerite. This mineralization consists of discontinuous bands, irregular patches, small blebs, fracture fillings and disseminations within the calc-silicate unit and in 1975-1977 was traced in float and by soil sampling for a length of more than 1500 m. The best drill intersections were 0.66% Cu and 10.3 g/t Ag across 5.7 m and 0.43% Cu and 6.9 g/t Ag across 4.6 m in two separate zones about 12.2 m apart in Hole 4.

Soil sampling on the Kate group outlined a lead anomaly more than 915 m long, which extended onto the Pig group. This anomaly was thought to be caused by quartz veins containing traces of galena and arsenopyrite.

References

ATLAS EXPLORATION COMPANY LTD, 1966. Assessment Report *#017566 by J.S. Brock.

ATLAS EXPLORATION COMPANY LTD, 1966. Assessment Report *#017567 by J.S. Brock.

CYPRUS ANVIL MINING CORPORATION, Jan/78. Assessment Report *#090176 by W. Roberts.

CYPRUS ANVIL MINING CORPORATION, Jan/78. Assessment Report #090276 by W. Roberts.

GEOLOGICAL SURVEY OF CANADA Paper 63-38, p. 30-31.

MINERAL INDUSTRY REPORT 1975, p. 169-1970; 1976, p. 214; 1977, p. 93.

WELCOME NORTH MINES LTD, 1975. Assessment Report *#061255 by J.S. Brock and G. McArthur.

WELCOME NORTH MINES LTD, 1975. Assessment Report *#061579 by J.S. Brock and R. Reid.

WELCOME NORTH MINES LTD, Feb/76. Vancouver Stock Exchange Open File Report by J.S. Brock.

YUKON CANADA MINING COMPANY LTD, Sep/60. Assessment Report #017406 by L.K. Lytle.

YUKON CANADA MINING COMPANY LTD, Jul/61. Assessment Report *#091198 by L.K. Lytle.

Work History

Date	Work Type	Comment

12/31/1980	Geology	
12/31/1980	Geochemistry	Also rock sampling.
12/31/1977	Geology	
12/31/1977	Geochemistry	Also rock sampling.
12/31/1977	Ground Geophysics	Also magnetic survey.
12/31/1975	Geology	
12/31/1975	Geochemistry	
12/31/1962	Drilling	Seven holes, 800.1 m.
12/31/1961	Drilling	Six holes, 564.8 m.
12/31/1961	Ground Geophysics	Also magnetic survey.
12/31/1961	Trenching	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
090276	1977	Geological, Geochemical and Geophysical Report Pig-Kate Group	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetism - Ground Geophysics, Line Cutting - Other		
061579	1975	Geological and Geochemical Investigation of the Kate Mineral Claims	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other		
061255	1975	Geological and Geochemical Investigation of the Kate Mineral Claims	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology		
017567	1966	Aeromagnetic Survey EM and EMU Mineral Claims	Magnetic - Airborne Geophysics		
017566	1966	Geochemical Soil Sampling Survey EM and EMU Mineral Claims	Soil - Geochemistry		
091198	1962	Drill Logs and Sketches for Norken Property	Diamond - Drilling	8	855.11
017406	1960	Geological and Geophysical Report, "Norken", "Fool", "Peak", and "Rain" Claim Groups	Rock - Geochemistry, EM - Ground Geophysics, Magnetism - Ground Geophysics, Line Cutting - Other, Handblast - Trenching		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC000355	Surface Map - Pig-Kate Group - MacMillan Project		Property File Collection	Geoscience Map (General)
ARMC008511	Correspondence Re: Phelps Dodge - Frances Lake copper prospect		Property File Collection	Miscellaneous Company Documents
ARMC008835	Top group claim map - Stall Lake, Y.T.		Property File Collection	Geoscience Map (General)
ARMC008836	Correspondence Re: Your telegram re Atlas Exploration dated November 16, 1966		Property File Collection	Miscellaneous Company Documents
ARMC008837	Interim progress report - Top claims		Property File Collection	Report
ARMC008838	Press Release - Top claims		Property File Collection	News Release
ARMC007552	Map - Pike Lake copper district		Property File Collection	Geoscience Map (General)
ARMC016326	Geologic, geochemical showings assay and claim group map of sheet 105J/7 - Ross River		Property File Collection	Geochemical Map
ARMC016678	Geologic, geochemical showings, assay and claim group map of sheet 105J/7 - Radar Lake		Property File Collection	Geoscience Map (General)
ARMC016670	Geologic, geochemical showings, assay and claim group map sheet of 105J/2 - Pike Lake		Property File Collection	Geoscience Map (General)
ARMC016669	Geochemical results map - 105J/2 - Pike Lake		Property File Collection	Geochemical Map
ARMC016676	Geochemical results map - 105J/7 - Radar Lake		Property File Collection	Geochemical Map
ARMC016668	Geochemical sample stations map - 105J/2 - Pike Lake		Property File Collection	Geochemical Map
ARMC016677	Geochemical sample stations map - 105J/7 - Radar Lake		Property File Collection	Geochemical Map
ARMC016316	Geochem: copper map - 105J/02 - Sheldon project - Figure 7		Property File Collection	Geochemical Map
ARMC016317	Geochem: lead map - 105J/02 - Sheldon project - Figure 8		Property File Collection	Geochemical Map
ARMC016318	Geochem: zinc map - 105J/02 - Sheldon project - Figure 9		Property File Collection	Geochemical Map
ARMC018707	Field map - 105J/2		Property File Collection	Geoscience Map (General)
BROCK000016	Geology map with handwritten notes and markings - Pelly Lakes North area		Property File Collection	Geoscience Map (Geological - Bedrock)