



Occurrence Details

Occurrence Number: 105O 023
Occurrence Name: Drizzle
Occurrence Type: Hard-rock
Status: Showing
Date printed: 12/16/2025 7:35:45 AM

General Information

Secondary Commodities: barite, copper, lead, molybdenum, nickel, vanadium, zinc
Aliases: Rain
Deposit Type(s): Sediment hosted Shale-Hosted Ni-Zn-Mo-PGE (Nick)
Location(s): 63°9'28" N - -131°8'18" W
NTS Mapsheet(s): 105O03
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Rain cl (YA6152) in Aug/76 by Itsi Joint Venture (Aquitaine Company of Canada Ltd, Union Oil Company of Canada Ltd and St Joseph Exploration Ltd), which carried out limited geological mapping and geochemical sampling in 1976.
Restaked as Sun cl 1-44 (YA63485) in Jul/81 by Hudson Bay Exploration and Development Company Ltd, which carried out geological mapping and geochemical sampling in 1981 and 1982.
Restaked as Jet cl 87-104 (YB18309) in Jun/91 by Falconbridge Ltd and NDU Resources Ltd as the eastward extension of a claim block which NDU had staked in 1990 to cover the adjacent Nidderly showing (Minfile Occurrence #105O 023). In 1991, NDU carried out a program of geological mapping and geochemical sampling which Falconbridge funded. The following year in 1992, Falconbridge carried out geological mapping, geochemical and lithogeochemical sampling before dropping the option and returning the property to NDU in Feb/93.
In the spring of 1998 NDU merged with United Keno Hill Mines Ltd. Expatriate Resources Ltd carried out hand trenching, geological mapping and geochemical sampling of the Jet claims later that year under a option agreement with NDU which transferred to United Keno Hill. In Oct/98, Expatriate purchased a 100% interest in the claims from United Keno Hill.

Capsule Geology

Initially staked to cover minor hydrozincite, smithsonite and malachite in a thin impure limestone bed near the top of the Upper Devonian to Mississippian Earn Group Formation (shale). Most selected samples assayed less than 1% Zn. Bedded barite was found at two localities.
NDU followed up a linear multielement geochemical anomaly in 1991 (major Ni, V and Cu, minor Mo, P, Cu), and found a metalliferous horizon directly overlying a distinctive limestone layer. The limestone is pyritic, vuggy and contains shallow marine fossils of Lower Devonian age and disseminated bitumen. Occasional lenses of grey pyritic chert are stratigraphically equivalent to the limestone.
Soil samples taken from the recessive metalliferous horizon returned values up to 3 160 ppm Ni, 1% zinc, and elevated levels of Cu, Cd, Ag, As and Mo. Polymetallic sedex mineralization found on the Nick property in central Yukon (Minfile Occurrence #105D 092) exhibits a similar geochemical response.
The 1992 soil sampling returned values of up to 1 593 ppm for Ni and 10 367 ppm Zn. Metal-rich fault gouge contained up to 3 000 ppm Ni and 10 252 ppm Zn.
Detailed mapping by Expatriate in 1998 indicates that Lower Ordovician to Upper Silurian Road River Group shales, argillites and chert underlie the Earn Group rocks and that the contact between the two groups roughly parallels the northern boundary of the claim group. They suggest that this relatively recessive stratigraphic interval reflects the source horizon for the anomalous Zn, Ni, Cu, Cd and Ag geochemical values in the area. Although no fresh sulfide mineralization was seen in any of the trenches, analysis of chip samples from the trenches returned peak values of 1.29% Zn, 428 ppm Ni, 326 ppm Cu, 205 ppm Cd and 4.6 ppm Ag.

References

CECILE, M.P. and ABBOTT, J.G., 1989. Geology of the Nidderly Lake Map Area (NTS 105 O), Geological Survey of Canada, Open File 2076.
EXPATRIATE RESOURCES LTD, May/99. Assessment Report #094012 by R.F. Gish.
FALCONBRIDGE LTD AND NDU RESOURCES LTD, Dec/91. Assessment Report #093003 by R.C. Carne.
FALCONBRIDGE LTD, Apr/93. Assessment Report #093095 by M.D. Edwards.
HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LTD, Oct/82. Assessment Report #091367 by G. Fraser.
YUKON EXPLORATION AND GEOLOGY 1981, p. 176; 1982, p. 166.

Work History

Date	Work Type	Comment
12/31/1998	Geology	
12/31/1998	Trenching	
12/31/1998	Other	
12/31/1992	Geology	
12/31/1992	Other	

12/31/1991	Geology	
12/31/1991	Other	
12/31/1981	Geology	
12/31/1981	Other	
12/31/1976	Geology	
12/31/1976	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095610	2007	Assessment Report Describing Prospecting, Mapping and Geochemical Sampling at the Harlow Property	Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other, Hand - Trenching		
093827	1997	1997 Geological Assessment Report on Emerald Lake Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry		
093095	1992	Report on Geological Mapping and Geochemical Sampling at the Jet Property, Yukon	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology		
093003	1991	Report on Geological Mapping and Geochemical Sampling on the Jet Property, Yukon Territory	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology		
092940	1990	Report on Prospecting and Geochemical Sampling on the Jet Property, Yukon Territory	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Prospecting - Other		
091367	1982	Geochemical - Geological Assessment Report Sun Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology		
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
ARMC008210	Map showing geochemical sample values - MacMillan project		Property File Collection	Geochemical Map
ARMC011941	Geochemical map - NTS 105-O-3 - Area A - MacMillan project		Property File Collection	Geochemical Map
ARMC016460	Geology map overlay - Hess project		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC016461	Geology map overlay - Hess project - Figure No.9		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC011929	Geochemical results and claim group map of sheet 105-O-3 - Ross River		Property File Collection	Geochemical Map
ARMC016462	Geochemical samples map overlay of 105O/3		Property File Collection	Geochemical Map
ARMC011940	Geochemical zinc contour - nts 105O-3 - MacMillan project		Property File Collection	Geochemical Map
ARMC018177	Field map of 105O/3 with geological notations		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC011938	Geochemical copper contour - nts 105O-3 - MacMillan project		Property File Collection	Geochemical Map
ARMC011939	Geochemical lead contour - nts 105O-3 - MacMillan project		Property File Collection	Geochemical Map
BROCK000087	Geochemical results and claim group map of sheet 105-O-3 - Fig. 10		Property File Collection	Geochemical Map
BROCK000091	Geochemical results and claim group map of sheet 105-O-3		Property File Collection	Geochemical Map