



Occurrence Details

Occurrence Number: 105O 021
Occurrence Name: Walt
Occurrence Type: Hard-rock
Status: Deposit
Date printed: 8/6/2025 8:02:40 AM

General Information

Secondary Commodities: barite, copper, lead, silver, zinc
Aliases: Bar
Deposit Type(s): Sediment hosted Stratiform Barite
Location(s): 63°16'56" N - -130°32'18" W
NTS Mapsheet(s): 105O07
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Bar cl 1-2 (Y69420) in Jul/73 by Dick Woodcock and optioned to Baroid of Canada Ltd, which staked Cathy cl 1-6 (Y97235) to the south and east in Feb/75 and Walt and Les cl (Y98238) 1.5 km to the east in Aug/75. Baroid carried out geological mapping and geochemical sampling in 1975 and 1976, added Row cl (YA41656) in Jun/80 to the south covering a road route, and drilled 10 holes (899 m) in 1980. Cominco restaked the Bar claims as part of a group of 48 Hess claims (YA6595) staked to surround Baroid's claims from Sep/76 to Jul/77 and carried out geological mapping and geochemical sampling in 1977 and 1978 and hand trenching in 1981. The property was restaked as Cathy cl 5-10 (YB09318) in Mar/91 by J. Coyne. In 1993 Coyne carried out geological mapping, prospecting and bulk sampling and tied on Ard cl 1-6 (YB22563) to the south in Sep/93 and completed a geological compilation and mineral inventory review in 1999. In Nov/97 NDU Resources Ltd staked Walt cl 1-58 and 60-77 (YC00173) to surround the Cathy claims on three sides and to cover prospective stratigraphy along strike to the west (Minfile Occurrence #105O 022). In Mar/98, NDU merged with United Keno Hill Mines Ltd. Expatriate Resources Ltd carried out geological mapping, grid soil geochemical sampling and hand trenching of the claims later that year under an option agreement with NDU which transferred to United Keno Hill. In Sep/98 Expatriate staked Walt cl 78-81 (YC01581) contiguously to the north and in Oct/98 the company purchased a 100% interest in the claims from United Keno Hill.

Capsule Geology

Small barite zones occur in faulted slices of Devonian to Mississippian Earn Group shale thrust over Ordovician to Lower Devonian Road River Formation sediments. The barite zones form part of a stratabound, sheet-like body up to 60 m thick and 2 km long, which is zoned from a brecciated barium carbonate core outward to massive barium carbonate, massive barite and laminated barite. The 1980 drilling outlined an inferred resource of 450,000 tonnes of commercial grade barite (with a specific gravity over 4.25) in the main Cathy zone (central occurrence), which is up to 30 m thick and 150 m long. This figure was verified in 2000 and was classified as an inferred resource according to the 1996 CIM definitions in use at the time. Cominco's trenching of Hess cl 61 exposed laminated witherite containing minor disseminated sphalerite, galena and tetrahedrite. The best of eight chip samples assayed 3.0% Pb, 2.2% Zn, 430 ppm Cu and 83 ppm Ag and 4.2% Pb, 1.1% Zn, 273 ppm Cu and 122 ppm Ag. A 160 kg bulk sample of barite taken in 1993 yielded a weighted average specific gravity of 4.19. Expatriate's sampling and trenching in 1998 defined four main areas of highly anomalous zinc occurring over 8 km of strike length across the property. Two of these areas are proximally related to this occurrence; Area 3 is located 0.5 km southwest of location marker 021A and Area 4 corresponds to location marker 021B. The other two areas occur further to the west and are part of Minfile Occurrence #105O 022. All of the areas are found within the Portrait Lake Formation of the Early to Middle Devonian Lower Earn Group. Soil sampling returned peak geochemical values of 2.33% Zn, >10 000 ppm Ba, 962 ppm As, 2 240 ppm Pb and 587 ppm Cu. Chip sampling of the trenches returned peak values of 11.4% Zn, >10 000 ppm Ba and 4 130 ppm Ni. The high Zn and Ni values were returned from weathered barium carbonate rich rock and are attributed to smithsonite, as no obvious sulfide mineralization was detected during trenching.

References

BAROID OF CANADA LTD, Feb/76. Assessment Report #090072 by L.M. Tyralla, D.B. Simon and W.B. Sasser.

BAROID OF CANADA LTD, Jun/77. Assessment Report #090206 by D.B. Simon and B. Johnson.

BAROID OF CANADA LTD, Mar/81. Assessment Report #090768 by T. Jenkins.

BAROID OF CANADA LTD, Aug/81. Assessment Report #090907 by T. Jenkins.

COMINCO LTD, Sep/77. Assessment Report #090243 by R.J. Sharp.

COYNE, J., Feb/94. Assessment Report #093179 by J.A. vanRanden.

COYNE, J., Mar/2000. Assessment Report #094084 by G.D. Keller.

EXPATRIATE RESOURCES LTD, May/99. Assessment Report #094017 by R.F. Gish.

MINERAL INDUSTRY REPORT, 1975, p. 29-30; 1976, p. 117; 1977, p. 35.

TURNER, R.J., and GOODFELLOW, W., 1990. Barium carbonate bodies associated with the Walt (Cathy) stratiform barium deposit, Selwyn Basin, Yukon: a possible vent complex associated with a Middle Devonian sedimentary exhalative barite deposit. In: Current Research, Part E, Geological Survey of Canada, Paper 90-1E, p. 309-319.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 216-217.

YUKON EXPLORATION AND GEOLOGY 1981, p. 174.

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Work History

Date	Work Type	Comment
12/31/1998	Geology	
12/31/1998	Trenching	
12/31/1998	Other	
12/31/1993	Geochemistry	
12/31/1993	Geology	
12/31/1993	Other	
12/31/1981	Trenching	Carried out on Hess claims.
12/31/1980	Drilling	Number of holes drilled: 10 Amount of work done: 899 METRES
12/31/1978	Geology	
12/31/1978	Other	
12/31/1977	Geology	
12/31/1977	Other	
12/31/1976	Geology	
12/31/1976	Other	
12/31/1975	Geology	
12/31/1975	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096198	2011	Geological and Geochemical Assessment Report for the Carlin Gold Corporation-Constantine Metal Resources Ltd. Joint-Venture (CCJV) Project on the MC Property Group HM02907	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry		
095606	2007	Assessment Report Describing Prospecting, Mapping and Geochemical Sampling at the Harvest Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other		
094017	1999	Assessment Report Describing Geological Mapping, Soil Sampling and Hand Trenching on the Walt Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Hand - Trenching		
093827	1997	1997 Geological Assessment Report on Emerald Lake Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry		
091012	1981	1981 Geological Geochemical Assessment Report Hess River Property	Orthophoto - Airphotography, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
090206	1977	A Geologic and Geochemical Evaluation of the Cathy 1-5, 7-10, Lorraine 1-6, Chas 1-5, Kam 1-6, Fat and City Claims	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
ARMC016467	Geology map - Hess project - Figure No. 21 - 1050/7		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC016468	Geology map overlay of Keele Peak - Hess project - Figure No. 24 - 1050/8		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC015545	Geochemical results and claim group map of sheet 105-O-7 with geological notations		Property File Collection	Geochemical Map
ARMC015546	Geochemical results and claim group map of sheet 105-O-7 with sample locations marked		Property File Collection	Geochemical Map
BROCK000083	Geochemical results and claim group map of sheet 105-O-7 - Fig. 12		Property File Collection	Geochemical Map
BROCK000092	Geochemical results and claim group map of sheet 105-O-7 - Fig. 21		Property File Collection	Geochemical Map