



Occurrence Details

Occurrence Number: 105O 006
Occurrence Name: Scot
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 12/16/2025 6:51:38 AM

General Information

Secondary Commodities: copper, nickel, silver, zinc
Deposit Type(s): Sediment hosted Sedimentary Exhalative Zn-Pb-Ag (Sedex)
Location(s): 63°19'38" N - -131°15'34" W
NTS Mapsheet(s): 105O06
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Scot cl 1-24 (Y14044) by Atlas Explorations Ltd in Sep/67 for the Hess Project (Atlas Explorations Ltd, Quebec Cartier Mining Company and Phillips Brothers (Canada) Ltd) based on favourable results from a regional geochemical sampling program. Atlas carried out geological mapping, grid soil sampling, magnetometer and EM surveying of the claims in 1968; additional soil sampling and hand pitting in 1969; geological mapping, prospecting and geochemical sampling in 1970; a gravity survey in 1971; drilled 4 holes (426.7 m) in 1972; and staked Scot cl 25-50 (Y68372) in Jul/72. Control of the property later reverted to Atlas, which changed its name to Cima Resources Ltd in 1974, enlarged the property and performed linecutting in 1979.

Restaked as Scot cl 1-24 (YC00149) by NDU Resources Ltd in Dec/97, which merged with United Keno Hill Mines Ltd in the spring of 1998. Expatriate Resources Ltd carried out geochemical sampling of the 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

The claims cover a northwest-southeast trending, steeply dipping anticline which has exposed a core of Middle to Upper Silurian Road River Group argillite with minor shale and chert that is flanked to the north and south by overlying Devonian aged Earn Group shale and chert with minor limestone.

Soil sampling in 1968 located a hydromorphic zinc anomaly ranging from 5 000 to 35 600 ppm in an overburden-covered area 500 m wide and 730 m long coincident with a 0.9 milligal gravity anomaly.

Drilling of the anomaly in 1972 intersected only unmineralized Road River shale, the more graphitic sections of which returned up to 4 800 ppm Zn. Atlas suggested that the source of the soil anomaly is probably pyritic Earn Group shale that occurs uphill. The only mineralization found on the property was a piece of tetrahedrite float in quartz vein material that assayed 2 290.2 g/t Ag.

Expatriate confirmed the presence of the anomalous zone with soil sampling in 1998 and five samples collected over 400 m across the zone returned an average of 2.22% Zn, some with unusually high Ni values up to 4 570 ppm.

References

ATLAS EXPLORATIONS LTD, Dec/67. Assessment Report #018947 by C.L. Smith.

ATLAS EXPLORATIONS LTD, Jan/69. Assessment Report #019041 by T.J. Adamson.

ATLAS EXPLORATIONS LTD, Jan/69. Assessment Report #019042 by T.J. Adamson.

ATLAS EXPLORATIONS LTD, Jan/69. Assessment Report #019043 by T.J. Adamson.

ATLAS EXPLORATIONS LTD, Feb/71. Assessment Report #060944 by T.J. Adamson.

ATLAS EXPLORATIONS LTD, Jul/73. Assessment Report #091292 by P. Dean.

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 #093988 by R.F. Gish.

GEOLOGICAL SURVEY OF CANADA Paper 69-55, p. 18.

MINERAL INDUSTRY REPORT 1972, p. 18.

Work History

Date	Work Type	Comment
12/31/1998	Geochemistry	
12/31/1972	Drilling	Four holes, 426.7 m.
12/31/1971	Ground Geophysics	

12/31/1970	Geology	
12/31/1970	Geochemistry	
12/31/1970	Other	
12/31/1969	Geochemistry	
12/31/1969	Trenching	
12/31/1968	Geology	
12/31/1968	Geochemistry	
12/31/1968	Ground Geophysics	Also magnetic survey.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095775	2011	Geochemical Assessment Report for the Carlin Gold Corporation-Constantine Metal Resources Ltd. Joint-Venture (CCJV) Project on the X-REA Property: X-Claim Group HM 02911 Rea Claim Group HM 02913	Silt - Geochemistry, Soil - Geochemistry, Prospecting - Other		
093988	1999	Assessment Report Describing Soil and Silt Geochemical Sampling on the Scot Property	Silt - Geochemistry, Soil - Geochemistry		
093827	1997	1997 Geological Assessment Report on Emerald Lake Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry		
060944	1970	Report on Field Work (1970 Field Season_ Scot Mineral Claim Group	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Water - Geochemistry, Regional Bedrock Mapping - Geology		
019043	1968	Geochemical Report Scot Mineral Claim Group	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
ARMC900009	Progress Reports - Selwyn Project 1973		Property File Collection	Miscellaneous Company Documents
ARMC008212	Detail map area - geochem values - Cu, Pb, Zn, Ba - MacMillan project - 105-O-6		Property File Collection	Geochemical Map
ARMC008213	Detail area map - MacMillan project - 105-O-6		Property File Collection	Geochemical Map
ARMC008033	Geochemical results and claim group map of sheet 105-O-7 - Ross River		Property File Collection	Geochemical Map
ARMC015541	Summary of exploration 1968-1971 and proposed diamond drilling report - Scot mineral claims		Property File Collection	Report
ARMC016466	Geology map overlay - 105O/6		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC016465	Geology map overlay with claims marked - 105O/6		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC015540	Interim report - Diamond drill programme, Scot claims, Yukon - July-August 1972		Property File Collection	Report
ARMC015535	Map of Niddery Lake area with geological notations - 105O/6		Property File Collection	Geoscience Map (General)
ARMC011919	Jake Lake soil sample grid - Pace and compass		Property File Collection	Geochemical Map
ARMC011918	Jake Lake soil sample grid - Zn contours		Property File Collection	Geochemical Map
ARMC015537	Jake Lake soil sample grid map - Zn contours - Claim sheet 105O/6		Property File Collection	Geochemical Map
ARMC015538	Jake Lake soil sample grid map (pace & compass) - Claim sheet 105O/6		Property File Collection	Geochemical Map
ARMC015533	Geochemical results and Claim group map of sheet 105-O-6		Property File Collection	Geochemical Map
ARMC011933	Geochemical results and claim group map of sheet 105-O-6 - Ross River		Property File Collection	Geochemical Map

ARMC011934	Map of 105-O-6 showing geology	Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC015544	Scot group area geology map - Ross River Y.T.	Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC015542	Scot group silt sample results map - Cu, Zn - Ross River Y.T.	Property File Collection	Geochemical Map
ARMC015543	Scot mineral claims - Geochemistry silts & soils (1970 sampling) map	Property File Collection	Geochemical Map
ARMC011921	Residual map - Gravity meter survey - Jake Lake - Hess area	Property File Collection	Geophysical Map
ARMC015539	Diamond drilling report - Scot mineral claim group	Property File Collection	Report
ARMC015536	Gravity Interpretation report for Dynasty Explorations Ltd. including airborne geophysical surveys - Jake Lake - Hess area	Property File Collection	Report
ARMC018191	Field sheet of 105O Niddery Lake with notations re: streams where silt samples have been taken	Property File Collection	Geoscience Map (General)
ARMC018192	Field sheet of 105O with notations	Property File Collection	Geoscience Map (General)
ARMC018193	Field sheet of 105O Niddery Lake with geology notations	Property File Collection	Geoscience Map (General)
ARMC017518	Analytical worksheet - Geochemical - Silt & soil claims - "Scott"	Property File Collection	Miscellaneous Company Documents
ARMC011920	Bouguer map - Gravity meter survey - Jake Lake - Hess area	Property File Collection	Geophysical Map
BROCK000090	Geology map - Geochemical results and claim group map of sheet 105-O-6 - Fig. 19	Property File Collection	Geoscience Map (Geological - Bedrock)