



Occurrence Details

Occurrence Number: 105G 043
Occurrence Name: Bot
Occurrence Type: Hard-rock
Status: Showing
Date printed: 4/29/2025 7:07:44 AM

General Information

Secondary Commodities: asbestos
Deposit Type(s): Ultramafic-hosted asbestos
Location(s): 61°38'13" N - -130°53'11" W
NTS Mapsheet(s): 105G10
Location Comments: 1 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked in Aug/69 as Bot cl 46-69 (Y29350) by a joint venture between Atlas Exploration Ltd and Dynasty Exploration Ltd, which conducted hand trenching and a mag survey in 1970. The Atlas interest was transferred to Cima Resources Ltd in 1974 and Dynasty changed its name to Cyprus Anvil Mining Corporation in 1975. Restaked as Bot cl 1-10 (YA11096) in Sep/76 by Cyprus Anvil, which performed a small magnetic survey in 1977 and transferred its interest to Cima late in the year. Restaked as Clarence cl 1-36 (YB61684) by Expatriate Resources Ltd in Sep/95. In Jan and Feb/96 Archer, Cathro and Associates (1981) Ltd surrounded the occurrence with a large block (900 +) of Zamboni claims. In the spring of 1996, Aerodat Inc under contract to Expatriate Resources Ltd, flew a regional helicopter borne, electromagnetic and magnetic survey over the Clarence and Zamboni claims. The survey was focused on identifying the location of possible massive sulphide mineralization. Expatriate generally ignored the asbestos showing and concentrated their exploration efforts on the area's VMS potential.

Capsule Geology

The region is generally underlain by Upper Devonian to Lower Mississippian metavolcanic rocks belonging to unit DF, Fire Lake metavolcanics. The occurrence is located within a structural window that exposes Upper Triassic phyllite, sandstone, and limestone of uncertain affinity (D. Murphy, pers. comm., 2002). A band of Upper Devonian and older (?) rocks (unit Dq) surrounds the structural window and Permian ultramafic rocks (unit Pum) intrude the Triassic rocks. Northwest trending thrusts have been mapped in the area (Murphy et al., 2001). Low grade chrysotile fibre occurs in narrow veinlets within a dyke of serpentinized peridotite 60 to 150 m wide. Exposure is limited to five small outcrops along Big Campbell Creek. The dyke intrudes Mississippian chlorite-sericite phyllite and is bounded by a small 150 gamma aeromagnetic anomaly on the south side and a small 400 gamma anomaly to the north. The 1996 airborne geophysical survey identified a series of coincident high amplitude magnetic and electromagnetic anomalies in the area surrounding the occurrence.

References

ATLAS EXPLORATION LTD, 1969. Annual Report, p. 4.

ATLAS EXPLORATION LTD, Apr/70. Assessment Report #060167 by K.M. Dawson.

ATLAS EXPLORATION LTD, Apr/70. Assessment Report #060168 by K.M. Dawson.

ATLAS EXPLORATION LTD, Jul/71. Assessment Report #060951 by T.J. Adamson.

ATLAS EXPLORATION LTD, 1971. Annual Report.

ATLAS EXPLORATION LTD, Sep/77. Assessment Report #090212 by P. Dean.

EXPATRIATE RESOURCES LTD, Feb/97. Assessment Report #093621 by W.D. Eaton.

EXPATRIATE RESOURCES LTD, Feb/97. Assessment Report #093655 by R.W. Woolham.

MINERAL INDUSTRY REPORT 1977, p. 87.

MURPHY et al., 2001. Preliminary Bedrock Geology Map of Northern Finlayson Lake Area (NTS 105G) Yukon Territory (1:100 000 scale), Open File 2001-33.

MURPHY et al., 2001. Finlayson Lake Targeted Geoscience Initiative (southeastern Yukon), Part 1: Bedrock Geology. In Yukon Exploration and Geology, 2001, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 189-207.

Work History

Date	Work Type	Comment
12/31/1996	Airborne Geophysics	Also magnetic survey. Survey flown over the Clarence and Zamboni claims.
12/31/1977	Ground Geophysics	Magnetic survey.
12/31/1970	Ground Geophysics	

12/31/1970	Trenching	
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Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
093621	1996	Assessment Report Describing Geological Mapping, Prospecting, Soil Geochemistry and Geophysical Surveys on the Zamboni Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Soil - Geochemistry, Bedrock Mapping - Geology, Line Cutting - Other, Prospecting - Other		
093655	1996	Report on a Combined Helicopter-Borne Electromagnetic and Magnetic Survey, Goal Net, Hat Trick, League, Offside, Power Play, Shutout and Slapshot Properties	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		
060951	1970	Bot Mineral Claim Group Report on Field Work - 1970	Rock - Geochemistry, Detailed Bedrock Mapping - Geology, Magnetism - Ground Geophysics, Line Cutting - Other, Prospecting - Other		
060168	1969	Bot Mineral Claim Group Report on Geological Mapping of Claims	Rock - Geochemistry, Detailed Bedrock Mapping - Geology, Line Cutting - Other, Prospecting - Other		
060167	1969	Bot Mineral Claim Group Report on Magnetic Geophysical Survey of Claims	Magnetism - Ground Geophysics		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC014043	Report on geological mapping of claims - Bot mineral claim group		Property File Collection	Report
ARMC014042	Geochemical map - Magnetometer survey - Figure 2 - Bot claims 105G/10 - with accompanying hand written notes		Property File Collection	Geochemical Map
ARMC016587	Geochemical map - 105G/10 - Finlayson Lake		Property File Collection	Geochemical Map
ARMC014045	Test pit location (1970) - Bot claims		Property File Collection	Geoscience Map (General)
ARMC020320	1988 detailed work program for Yukon Concentrators Ltd. - February, 1988		Property File Collection	Report
ARMC014048	Bot claim group - field notes and sketch map		Property File Collection	Geoscience Map (General)
ARMC014047	Air photo overlay of A12326-227 (Finlayson Lake topo) showing Bot geology		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014032	Air photo overlays - Finlayson region		Property File Collection	Geoscience Map (General)
ARMC014046	Geology worksheet - 105G/10 - Bot claims		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC017620	Geochemical map of Finlayson Lake - Cu, Pb, Zn, Mn, Mo.W		Property File Collection	Geochemical Map
ARMC018582	Field notes - Bot claim group		Property File Collection	Miscellaneous Company Documents
ARMC020495	Field notebook - Magnetic survey - MF-2 - Bot group		Property File Collection	Miscellaneous Company Documents
ARMC016581	Geology map - 105G/10 - Finlayson Lake		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014044	Magnetometer survey - 1969 & 1970 coverage - Bot claims		Property File Collection	Geophysical Map
ARMC018662	Field map of Pelly Mountain area - 105G/10, 105G/15		Property File Collection	Geoscience Map (General)