



Occurrence Details

Occurrence Number: 105A 038
Occurrence Name: Shell
Occurrence Type: Hard-rock
Status: Anomaly
Date printed: 6/16/2025 12:50:30 PM

General Information

Deposit Type(s): Unknown
Location(s): 60°19'37" N - -128°54'52" W
NTS Mapsheet(s): 105A07
Location Comments: 1.5 Kilometres
Hand Samples Available: Yes
Last Reviewed:

Capsule

Work History

Shell Canada Resources Ltd staked over 800 GE claims (YA58305) in four separate groups in May/81 on behalf of George Kent & Associates Ltd following an airborne EM survey. After the option expired, Kent optioned the property in early 1982 to Kerr Addison Mines Ltd, which explored the airborne anomalies with grid geochemistry, geophysical surveys (including gravity) and geological mapping in 1982 and 5 holes (607 m) in 1983 before dropping the option. In Oct/95 Minfocus International Inc staked Bomb cl 1-32 (YB69861) 7 km to the northwest. The majority of the claim block is situated on topographic map sheet 105A 06. In 1996 the company carried out limited ground EM/mag geophysical, soil sampling and geological mapping programs. Between Dec/95 and Jun/96 Cominco Ltd staked a large block of Holmes claims (cl # 446 = YB72432), north, west and south of the occurrence. The claims extend onto topographical map sheets 105A 3 and 6. In the spring of 1996, the company flew a combined helicopter-borne EM/mag survey over the area. Later in the year the company carried out a large reconnaissance scale geological mapping and geochemical sampling program. Drilling of three short holes, totalling 218.8 m was completed in Nov/96. Restaked as Ty cl 1-104 (YB79287), cl 120-121 (YB79391), cl 131-132 (YB79393) and cl 185-190 (YB79395) in Mar/96 by E. Asp. No work appears to have been carried out and the claims were allowed to lapse the following year.

Capsule Geology

The area has not yet been re-mapped by the Yukon Geology Program. Gordey's digital geology map shows that the area is mostly underlain by Carboniferous and Permian sedimentary and pyroclastic rocks which are assigned to the Anvil Assemblage. The original occurrence covered airborne EM anomalies most of which were believed to be caused by carbonaceous sediments and or overburden effects. Prospecting by Kerr Addison located several pieces of mineralized float including a quartz-carbonate-sericite rock containing 1.3% Cu, 1.7% Pb, 1.2% Zn, 93 g/t Ag and 1 800 ppm Ba. Cominco's reconnaissance scale geological mapping suggests that the area is underlain by Mississippian metasedimentary rocks, which are in turn overlain by Pennsylvanian to Permian mafic volcanic rocks described as Slide Mountain Terrane. Work by Murphy and Piercey (1999, 2000) suggests that rocks previously believed to represent Slide Mountain Terrane are in fact Campbell Range Succession and represent the culmination of the transition from arc-rifting or back-arc extension to oceanic or back-arc marginal magmatism and sedimentation. Cominco's airborne geophysical surveys outlined a large long, magnetic trend along the eastern margin of the Holmes claims parts of which possess associated conductivity. The source of these anomalies was felt to be either conductive overburden or intrusive complexes. Soil samples collected along contours and claim lines returned scattered spot anomalies, none of which could be related to specific targets. Drilling intersected mostly graphitic shales/mudstones which explained the geophysical conductor anomalies tested. Ground geophysical programs carried out on the Bomb claims failed to detect any significant anomalies.

References

COMINCO LTD, May/97. Assessment Report #093655 by R.W. Holroyd.

COMINCO LTD, Jun/97. Assessment Report #093676 by T.J. Bohay.

COMINCO LTD, Jun/97. Assessment Report #093677 by D.A. Senft and D.C. Hall.

GORDEY, S.P., AND MAKEPEACE, A.J., 1999. Yukon Digital geology, S.P. Gordey and A.J. Makepeace (comp.); Geological Survey of Canada, Open File D3826, and Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1999-1 (D)

KERR ADDISON MINES LTD, Nov/82. Assessment Report #091396 by D. Arscott.

KERR ADDISON MINES LTD, Apr/83. Assessment Report #091450 by M. Johnson.

MINFOCUS INTERNATIONAL INC, May/97. Assessment Report #093632 by G. Harper.

MURPHY, D.C. and PIERCEY, S.J., 1999. Geological map of parts of Finlayson Lake (105G/7, 8 and parts of 1, 2, and 9) and Frances Lake (parts of 105H/5 and 12) map areas, southeastern Yukon (1:100 000-scale). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1999-4.

MURPHY, D.C. AND PIERCEY, S.J., 2000. Syn-mineralization faults and their re-activation, Finlayson Lake massive sulphide district, Yukon-Tanana Terrane, southeastern Yukon. In: Yukon Exploration and Geology 1999, D.S. Emond and L.H. Weston (eds.), Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 55-66.

YUKON EXPLORATION AND GEOLOGY 1982, p. 91-92; 1983, p. 131. 1996, p. 30.

Work History

Date	Work Type	Comment
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12/31/1996	Drilling	Three holes, 218.8 m.
12/31/1996	Geology	
12/31/1996	Geochemistry	
12/31/1996	Airborne Geophysics	Also magnetic survey.
12/31/1983	Drilling	Five holes, 607 m.
12/31/1982	Ground Geophysics	Also VLF-EM and VLF surveys.
12/31/1982	Geochemistry	Also soil and silt sampling.
12/31/1982	Geology	
12/31/1981	Airborne Geophysics	

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
091450	1982	Kent Project Yukon Territory Gravity Survey	Gravity Survey - Ground Geophysics		
091396	1982	Kent Project 1982 Program	Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Regional Bedrock Mapping - Geology, EM - Ground Geophysics, Gravity Survey - Ground Geophysics, Magnetics - Ground Geophysics		

Related References				
Number	Title	Page(s)	Reference Type	Document Type
ARMC007828	Heavy mineral sampling map - Tom Lake - Anmac project		Property File Collection	Geochemical Map
ARMC007833	Geochemical survey map - Cu, Pb, Zn - Tom Lake - Anmac project		Property File Collection	Geochemical Map
ARMC012021	National topographic series - Tom Lake area with field markings		Property File Collection	Geoscience Map (General)