



Occurrence Details

Occurrence Number: 105G 023

Occurrence Name: Gil

Occurrence Type: Hard-rock

Status: Unknown

Date printed: 6/15/2025 10:31:54 AM

General Information

Secondary Commodities: copper, zinc

Deposit Type(s): Unknown

Location(s): 61°30'51" N - 131°11'1" W

NTS Mapsheet(s): 105G11

Location Comments: 1 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Gil cl 1-81 (Y7607) in May/66 following airborne mag and EM surveys by Atlas Exploration Company Ltd, which conducted geochemical sampling and mapping later in the year. Hudson Bay Mining & Smelting Ltd staked the Bev 126-149 cl (Y83615) 1 to 3 km northwest in Oct/74 following airborne surveys. Welcome North Mines Ltd staked QC cl 1-48 (YB14263) 2 km to the south in Jul/88. During the summer the company carried out geological mapping, prospecting and soil sampling on the claims and staked QC cl 49-116 (YB15169). The second group of claims covered this occurrence. It appears that no further work was carried out on the claim block. Cominco Ltd staked Ink cl 1-38 (YB49527) 2 km east of the occurrence in Jun/94 following an airborne EM/mag survey earlier in the year. The company carried out geochemical sampling, geological mapping and prospecting later in the summer. Pacific Bay Minerals Ltd optioned the Ink claims and carried out a geological and geochemical evaluation of the property in 1997. Expatriate Resources Ltd staked WC cl 1-20 (YC22587) 2.5 km to the northeast. Expatriate optioned these claims and others to Entourage Mining Ltd in Mar/2003 subject to certain option payments and related work commitments. Entourage carried out a contour soil sampling program in Sep/2003. Entourage dropped the option in Nov/2005.

Capsule Geology

This region of the Yukon-Tanana terrane was remapped by Murphy and others (2001) during the late 1990's and early 2000. The area is underlain by Upper Devonian and older (?) basal units (unit Dqm and Dq) of the Grass Lakes Succession. These units are overlain by Upper Devonian Fire Lakes (unit DF) metavolcanics. Augen textured granitic rocks (unit Mgag) intrude the Grass Lake Succession to the north and a large Cretaceous age granitic intrusion (unit Kg) intrudes the entire sequence to the east. The actual occurrence lies at the boundary between Devonian and older psammites and Devonian Fire Lake metavolcanics. The Gil claims were staked in a drift covered valley that is apparently underlain a layered sequence of lower Grass Lakes Succession rocks which are intruded by a mid-Cretaceous quartz monzonite stock to the east. Serpentinized ultramafic rocks which Murphy maps to the south were noted as well. Cominco staked the Ink claims to explore for volcanogenic massive sulphide mineralization similar to that found at Kudzu Ze Kayah (Minfile Occurrence #105G 117). Soil sampling returned several weak copper-zinc spot anomalies (highest copper = 77 ppm, zinc = 129 ppm). Geological mapping and prospecting failed to uncover evidence of felsic volcanics, which are the host for mineralization at Kudzu Ze Kayah or any base metal mineralization of interest. The WC claims overly Upper Devonian and older (?) psammites and calcareous schists (units Dqm and Dq) which are intruded by Grass Lakes plutonic rocks to the north and a large Cretaceous granitic intrusion to the east. The claims were staked to explore for emerald mineralization found at Regal Ridge (Minfile Occurrence #105G 147) located 40 km to the south east. It was believed that metavolcanic rocks associated with intrusions might host emerald mineralization. Later results from Regal Ridge suggest the presence of ultramafic rocks was essential for emerald mineralization. The Regal Ridge deposit hosts elevated levels of beryllium and chromium in soils. Soil sampling by Entourage returned background levels for the elements in question. The company did not carry out any further work on the WC claims and they were allowed to lapse in Nov/2005.

References

COMINCO LTD, Jan/96. Assessment Report #093327 by P.A. MacRobbie.

ENTOURAGE MINING LTD AND EXPATRIATE RESOURCES LTD, Dec/2003. Assessment Report #094429 by C.G. Verley.

ENTOURAGE MINING LTD, Annual Financial Statements 2004, 2005 and 2006. (available on SEDAR).

MINERAL INDUSTRY REPORT 1975 p. 205; 1976, p. 166-167.

MORTENSEN, J.K., AND JILSON, G.A., 1985. Evolution of the Yukon-Tanana terrane: evidence from southeastern Yukon Territory. *Geology*, v. 13, p. 806-810.

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.

MURPHY, D.C., COLPRON, M., GORDEY, S.P., ROOTS, C.F., ABBOTT, G., AND LIPOVSKY, P.S., 2001. Preliminary bedrock geological map of northern Finlayson Lake area (NTS 105 G) Yukon Territory (1:100 000 scale). Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Open File 2001-33.

MURPHY, D.C., COLPRON, M., ROOTS, C.F., GORDEY, S.P. AND ABBOTT, J.G., 2002. Finlayson Lake Targeted Geoscience Initiative (southeastern Yukon), Part 1: Bedrock geology. In: Yukon Exploration and Geology 2001, D.S. Emond, L.H. Weston and L.L. Lewis (eds.), Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, p. 189-207.

PIERCEY, S.J., HUNT, J.A. and MURPHY, D.C., 1999. Lithogeochemistry of meta-volcanic rocks from Yukon-Tanana Terrane, Finlayson Lake region, Yukon: Preliminary results. In: Yukon Exploration and Geology 1998, C.F. Roots and D.S. Emond (eds.), Exploration and Geological Services Division, Indian and Northern Affairs Canada, p.125-138.

PACIFIC BAY MINERALS LTD, May/98. Assessment Report #093856 by F. Moyle and G.S. Wesa.

WELCOME NORTH MINES LTD, Jul/89. Assessment Report #092739 by R.G. Potter.

YUKON EXPLORATION 1988, p. 92; 1989, p. 48.

Work History

Date	Work Type	Comment
12/31/2003	Geochemistry	Along contour lines.
12/31/1997	Geology	
12/31/1997	Geochemistry	
12/31/1997	Other	
12/31/1994	Geology	
12/31/1994	Geochemistry	
12/31/1994	Airborne Geophysics	Also magnetic survey.
12/31/1994	Other	
12/31/1974	Airborne Geophysics	Also magnetic survey. Hudson Bay flew airborne geophysical survey over Bev claims.
12/31/1966	Geology	
12/31/1966	Airborne Geophysics	Also magnetic survey.
12/31/1966	Other	
12/13/1988	Geology	
12/13/1988	Geochemistry	
12/13/1988	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095789	2011	Reconnaissance Geochemical Sampling Program 2011 on Mer Claims	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
096348	2011	Airborne Magnetic Survey on Mer Claims	Magnetic - Airborne Geophysics		
095326	2010	Report on the 2010 Geological and Geochemical Work on the Rivier Property	Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other		
060148	1972	Geology and Geochemistry, Hoo Occurrence	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC014099	GX grid - Field copy - Geochemical results - R-74 - Grass Lakes		Property File Collection	Miscellaneous Company Documents
ARMC014065	Aero Mag-EM survey staking location - Grass Lake area - Gun, God, Gil claims		Property File Collection	Geophysical Map
ARMC014094	Airborne compilation - Grass Lakes area - Gun claims		Property File Collection	Geophysical Map
ARMC014098	Ground EM - Grid GZ - Gun mineral claims - Grass Lakes area		Property File Collection	Geophysical Map
ARMC014095	Ground mag contour - Grid GZ - Gun group - Grass Lakes area		Property File Collection	Geophysical Map
ARMC014062	Key map - Grass Lakes area - Gil mineral claims		Property File Collection	Geoscience Map (General)
ARMC014089	Magnetometric map - Gil mineral claims - Grass Lake area		Property File Collection	Geophysical Map
ARMC018080	Geochemical results map of 105N/9		Property File Collection	Geochemical Map
ARMC018087	Geochemical field sheet map showing key map of Plata group as well as additional notations		Property File Collection	Geochemical Map
ARMC018088	Geochemical field map - 105N/9		Property File Collection	Geochemical Map
ARMC018089			Property File	Geoscience Map (Geological -

ARMC018091	Geological field map of 105N/9		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC018092	Geological field map of 105N/9		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC018094	Geological field map of 105N/9		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC018097	Geochemical field map - Mt. Aho area		Property File Collection	Geochemical Map
ARMC014093	Geochemical soil survey data sheets - Grass Lakes - Gun claims		Property File Collection	Miscellaneous Company Documents
ARMC014092	Analytical work sheets - Geochemical - Report No. R52-66 - Gun claims		Property File Collection	Miscellaneous Company Documents
ARMC014100	Analytical work sheets - Geochemical - Report No. R74 - Grassy Lakes		Property File Collection	Miscellaneous Company Documents
ARMC014087	Correspondence and geochemical analytical reports on Gil mineral claims		Property File Collection	Miscellaneous Company Documents
ARMC014063	Electromagnetic map - Gil mineral claims - Grass Lake area, Yukon Territory		Property File Collection	Geophysical Map
ARMC014088	Airborne EM-mag. & photo geology - Grass Lake, Gil group		Property File Collection	Geophysical Map
ARMC014055	Field geology notes - Grass Lakes - Gil group and Gun group		Property File Collection	Miscellaneous Company Documents
ARMC014097	Mag. values - Grid GZ - Gun group - Grass Lakes area		Property File Collection	Geophysical Map
ARMC018128	Geology field sheet - 105N/9		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC018131	Air photo overlays and stream sediment data sheets - A 12321-77, 78, 74. 76, 71, 45, 72, A 12251-404, 403, 406, 431, 432, 321, 322, 429, 405, A 12260-48, 47		Property File Collection	Geoscience Map (General)
ARMC014096	Mag contours - Grid GZ - Gun group - Grass Lakes area		Property File Collection	Geophysical Map