Occurrence Details

Occurrence Number: 105G 033
Occurrence Name: Tak
Occurrence Type: Hard-rock
Status: Anomaly
Date printed: 12/16/2025 7:47:16 AM

General Information

Secondary Commodities: copper, zinc
Deposit Type(s): Unknown
Location(s): 61°16'15" N - -130°42'10" W
NTS Mapsheet(s): 105G07
Location Comments: 1 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Tak cl 1-72 (Y7782) in May/66 following an airborne mag/EM survey by Atlas Explorations Ltd. The company carried out prospecting and geochemical sampling later in the summer and staked Tak cl 73-78 (Y13676) in Aug/66.
Restaked as Tor cl 1-57 (YB50233) in Jul/94 by Cominco Ltd to cover airborne geophysical targets identified during a Cominco survey conducted in early 1994. In 1994, Cominco completed 7.2 km of line cutting, 5.3 km of HLEM and total field magnetic surveys, geological mapping, prospecting and soil sampling on the claim block.
In May/96 Consolidated Shoshoni Gold Inc staked Ball cl 1-56 (YB83934) on the northern boundary of the Tor claim group. The company carried out soil sampling and a Beep Mat electromagnetic survey in Sep/96 and airborne geophysical survey in May/97.
Restaked within Meg cl 1-122 (YB93395) in Sep/2001 by True North Gems Inc which carried out a reconnaissance soil sampling and prospecting program in 2002. In Dec/2002 True North Gems optioned a 60% interest in the Meg and 3 other claim blocks to Firestone Ventures Inc. Firestone carried out geological mapping, prospecting, silt and soil sampling and pan sampling in 2003. In a news release dated 11 Aug/2005, Firestone reported that it had dropped its option on this and other Finlayson area properties which then reverted to True North Gems.

Capsule Geology

The area is located in the footwall of the Money Creek thrust in the southern portion of the Finlayson Lake massive sulfide district. The area is underlain by metavolcanic and metasedimentary rocks assigned by Murphy et al., (2002) to the Upper Devonian to Lower Mississippian (?) Grass Lakes succession.
The occurrence is underlain by Upper Devonian and Older (?) grit, psammite schist, metapelitic schist and isolated intervals of marble and calcareous schist (units Dq, Dqm). These units are overlain by the Upper Devonian Fire Lake metavolcanic unit (unit DF) that is composed mainly of chloritic phyllite, but also including carbonaceous phyllite and rare muscovite-quartz phyllite of probable felsic meta-volcanic protolith. The Fyre Lake massive sulphide deposit (Minfile Occurrence #105G 034) is hosted in chloritic phyllite of the Fire Lake unit. Mafic and ultramafic meta-plutonic rocks (units Dum and DMi) intrude to the east. These rocks are spatially associated with the Fire Lake unit and are inferred by Murphy and Piercey (2000) to be comagmatic sills and dykes. The Fire Lake unit is overlain by carbonaceous phyllite and quartzite (unit DKcp) assigned to the Kudz Ze Kayah unit. Approximately 3 km north of the occurrence, Murphy mapped a single isolated exposure of felsic meta-volcanic rocks assigned to the Kudz Ze Kayah felsic metavolcanic unit (unit DK).
Atlas¿s geophysical surveys outlined 1 EM conductor and 2 magnetic anomalies. Soil sampling outlined numerous Cu-Zn anomalies. Preliminary evaluation of the geophysical and geochemical anomalies attributed them to graphitic horizons within mafic schists and greenstone intrusives. Bad weather prevented the company from returning to the property to carry out a ground follow-up investigation of the anomalies.
Analysis of soil and rock samples collected on the Tor claims returned no anomalous values. The ground geophysical survey returned no anomalies of interest and the claims were allowed to lapse.
Soil sampling on the Ball claims outlined two areas (X & Y) containing moderately anomalous zinc and copper values. Maximum values returned were; copper 236 ppm and zinc 298 ppm. The anomalous areas are mainly underlain by mafic schist belonging to unit DF and carbonaceous phyllite assigned to unit MKcp. The airborne geophysical survey outlined 5 conductive responses four of which correlate with the anomalous soil geochemistry. It appears that none of the anomalies were ever followed up by Consolidated Shoshoni.
True North Gems staked the Meg claims on the basis of their proximity and geological similarity to the company¿s Regal Ridge (Minfile Occurrence #105G 147) emerald property, located 3.5 km to the southeast. Reconnaissance soil sampling returned a single anomalous beryllium and minor anomalous tungsten value from the Meg claims surrounding this occurrence. Reconnaissance geological mapping confirmed the presence of chloritic schist in the area, similar to that mapped on the neighboring Regal Ridge emerald property.
Firestone Ventures carried out a more detailed examination of the Meg claims. Although Firestone Ventures mapped the area surrounding the occurrences as being underlain by unit DK, which Murphy assigns to the Kudz Ze Kayah felsic metavolcanic unit, Firestone¿s Table of Formations describes unit DK as a medium to dark grey, siliceous carbonaceous phyllite which is similar to Murphy¿s unit DKcp. Thus despite using different nomenclature, both Murphy and Firestone agree that the area is mainly underlain by carbonaceous phyllite assigned to the Kudz Ze Kayah unit. Firestone only located one isolated outcrop of chloritic schist (unit DF) in the area surrounding the occurrence.
None of the soil samples collected in the vicinity of the occurrence returned any anomalous elements indicating the potential for either emerald or massive sulfide mineralization. The lack of geochemical response may be explained by heavy overburden covering much of the area.

References

ATLAS EXPLORATIONS LTD, Jun/67. Assessment Report #017492 by J.S. Brock

ATLAS EXPLORATIONS LTD, Jun/67. Assessment Report #017493 by J.S. Brock and J.N. Boateng.

COMINCO LIMITED, Aug/95. Assessment Report #093325 by P.A. MacRobbie.

CONSOLIDATED SHOSHONI GOLD INC, Aug/97. Assessment Report #093731 by G.S. Davidson.

FIRESTONE VENTURES INC, May/2003. Annual Information Form for the fiscal year ended March 31, 2002. Available on the SEDAR website.

FIRESTONE VENTURES INC, Mar/2004. Assessment Report #094446 by W. Wengzynowski.

FIRESTONE VENTURES INC, Jun/2005. Web Site: www.firestoneventures.com.

FIRESTONE VENTURES INC, News Release, 11 Aug/2005.

MURPHY, D.C., 1997. Preliminary geological map of Grass Lakes area, Pelly Mountains, southeastern Yukon. Exploration and Geological Services Division, Indian and Northern Affairs Canada, Open File 1997-3.

MURPHY, D.C., 1998. Stratigraphic framework for syngenetic mineral occurrences, Yukon Tanana Terrane south of Finlayson Lake: A Progress Report. In: Yukon Exploration and Geology 1997, Exploration and Geological Services Division, Indian and Northern Affairs Canada, p.51-58.

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. ET AL., 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. ET AL., 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.

TRUE NORTH GEMS INC, Jul/2003. Assessment Report #094417 by B. Gaboury.

TRUE NORTH GEMS INC, Jun/2005. Web Site: www.truenorthgems.com.

YUKON EXPLORATION AND GEOLOGY 2003, p. 20, 26.

Work History

Date	Work Type	Comment
12/31/2003	Geology	Firestone Ventures carried out detailed exploration program on Meg claims.
12/31/2003	Geochemistry	
12/31/2003	Geochemistry	
12/31/2003	Other	
12/31/2002	Geochemistry	Reconnaissance soil survey.
12/31/1997	Airborne Geophysics	Also magnetic survey.
12/31/1996	Geochemistry	Soil sampling survey over Ball claims.
12/31/1996	Ground Geophysics	Beep Mat electromagnetic survey over Ball claims.
12/31/1994	Geology	
12/31/1994	Geochemistry	
12/31/1994	Airborne Geophysics	Also magnetic survey.
12/31/1994	Other	
12/31/1966	Geochemistry	
12/31/1966	Airborne Geophysics	Also magnetic survey.
12/31/1966	Other	
12/13/2002	Other	
12/13/1994	Ground Geophysics	Also HLEM survey. Gravity survey not performed.
12/13/1966	Ground Geophysics	Also EM survey.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
094503	2004	Assessment Report on Geological and Geochemical Surveys of the RB 1-94 Claims	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
094446	2003	Assessment Report Describing Geology, Mineralization and Geochemistry at the Meg Property	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
094417	2002	2002 Report of Field Activities on the Meg Claims	Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
093325	1994	1994 Assessment Report Rife and Tor Properties Linecutting, Ground Geophysics (HLEM, Mag and Gravity), Soil Geochemistry and Geological Mapping	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Gravity Survey - Ground Geophysics, Magnetics - Ground Geophysics, Line Cutting - Other		
017492	1966	Magnetic and Electromagnetic Geophysical Surveys Tak Mineral Claim Group	EM - Ground Geophysics, Magnetics - Ground Geophysics, Line Cutting - Other		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC014017	Tak group J.E.M. survey - Hi & Lo freq. profile		Property File Collection	Geophysical Map
ARMC014028	Aero Mag-EM survey - Staking location - Fyre Lake area		Property File Collection	Geophysical Map
ARMC014003	Map showing Tak group geochem sample locations and values		Property File Collection	Geoscience Map (General)
ARMC014002	Map showing Tak group sample locations and values		Property File Collection	Geoscience Map (General)
ARMC014012	Stats analysis chart - Geochem - Copper ppm - Tak group		Property File Collection	Miscellaneous Company Documents
ARMC014016	Sketch map - Geophysics compilation - Tak		Property File Collection	Geophysical Map
ARMC014018	Magnetometer survey - Tak claim group		Property File Collection	Geophysical Map
ARMC013989	Geochemical soil sampling survey - Copper results, contour map - Tak mineral claims - Fyre Lake area		Property File Collection	Geochemical Map
ARMC013990	Geochemical soil sampling survey - Cu and Zn results by atomic absorption spectrophotometer analysis - Tak mineral claims - Fyre Lake area		Property File Collection	Geochemical Map
ARMC013988	Geochemical soil sampling survey - Zinc results, contour map - Tak mineral claims - Fyre Lake area		Property File Collection	Geochemical Map
ARMC014010	Analytical worksheet - Geochemical - R-72 - Tak		Property File Collection	Miscellaneous Company Documents
ARMC014009	Analytical worksheet - Geochemical - R-62, R-62-66 and R-72 - Tak		Property File Collection	Miscellaneous Company Documents
ARMC014008	Analytical worksheet - Geochemical - R-73 - Tak		Property File Collection	Miscellaneous Company Documents
ARMC014007	Analytical worksheet - Geochemical - R-83 - Tak		Property File Collection	Miscellaneous Company Documents
ARMC014011	Analytical worksheet - Geochemical - R-92 - Tak		Property File Collection	Miscellaneous Company Documents
ARMC014014	Geochem survey - Cu-left of line sampled - Tak claim group		Property File Collection	Geochemical Map
ARMC014013	Geochemical field notes - Tak		Property File Collection	Miscellaneous Company Documents
ARMC020544	Field notebook - Atlas Ex. 1966 - Ash, Ant, Tau, Calco, Dub 1-2, Tak groups		Property File Collection	Miscellaneous Company Documents
ARMC020570	Field notebook - EM - Tak group		Property File Collection	Miscellaneous Company Documents