## Occurrence Details

**Occurrence Number:** 105G 088
**Occurrence Name:** Cookie
**Occurrence Type:** Hard-rock
**Status:** Anomaly
**Date printed:** 4/29/2025 4:15:10 PM

## General Information

**Secondary Commodities:** chromium, copper, lead, zinc
**Deposit Type(s):** Volcanogenic Sulphide - type not determined
**Location(s):** 61°18'36" N - -130°43'0" W
**NTS Mapsheet(s):** 105G07
**Location Comments:** .5 Kilometres
**Hand Samples Available:** No
**Last Reviewed:**

### Capsule

Work History

Staked as Cookies cl 1-4 (YA420), Dona cl (YA424), Setla cl (YA425) etc. (YA426 ¿ YA440) in Aug/76 by N. Hennel.
In May/96 Arcturus Resources Ltd staked Ket cl 1-48 (YB83886) 2 km to the west and Bas cl 1-64 (YB83822) 5 km to the north. Consolidated Shoshoni Gold Inc staked Ball cl 1-56 (YB83934) 2.5 km to the south at the same time. In August and Sep/96 both companies carried out soil sampling, geological mapping and prospecting programs on their prospective claim groups.
In May/97 Consolidated Shoshoni flew an airborne EM/Mag geophysical survey over the Ball claims. In Jul/97 Arcturus and Consolidated Shoshoni formed a 50/50 joint venture to explore the claims.
Restaked as Hoop cl 1-94 (YB89467) by B. Macdonald in Jul/97.
In Dec/2000Arcturus Resources Ltd re-organized and changed its name to Arcturus Ventures Inc. In May/2001 the company staked RB cl 1-58 (YB93188) south and west of the occurrence.
Restaked as Meg cl 1-122 (YB93395) in Sep/2001 by True North Gems Inc which carried out a reconnaissance soil sampling and prospecting program later in 2002.
Arcturus carried out prospecting and preliminary geological mapping and soil sampling in Aug/2002 and staked RB cl 59-94 (YB93188) in Nov 2002.
In Dec/2002 True North Gems optioned a 60% interest in the Meg and 3 other claim blocks to Firestone Ventures Inc.
Arcturus carried out silt sampling and limited geological mapping in 2003 and detailed soil sampling in 2004. Both programs were centered over the northern portion of the claim block.
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) 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 4 km north of the occurrence, in the vicinity of the Bas claims the Fire Lake unit is overlain by felsic meta-volcanic rocks assigned to the Kudz Ze Kayah felsic metavolcanic unit (unit DK) and a younger carbonaceous phyllite (unit DMcp). In this area the succession is intruded by minor amounts of granitic meta-plutonic rocks of the Grass Lakes Plutonic suite (MGg). Although limited in exposure these granitic meta-plutonic rocks are more voluminous further north in the Grass Lakes area
Little information exists regarding the original Cookie claims and no assessment work was ever filed. It appears the claims were staked for base metal potential during regional exploration programs for massive sulphide deposits in the 1970's.
The Ket, Bas and Ball claim groups were geologically mapped in 1996 by G. S Davidson of Whitehorse, Yukon. His work generally correlates with mapping published by Murphy and Piercey in 1999. Their work indicates that the area is underlain by a sequence of Devonian to Mississippian, metavolcanic and metasedimentary rocks, portions of which have been intruded by Devonian to Mississippian ultramafic rocks. Mississippian age, granitic rocks belonging to the Grass Lakes Plutonic Suite intrude the entire sequence.
The Ball claims are underlain by unit Dq, biotite-muscovite-feldspar-quartz schist, micaceous quartzite and psammite, quartz-biotite-muscovite metapelitic schist and marble. Unit Dq, is overlain by unit DF, Fire Lake mafic metavolcanic unit, consisting of mainly chloritic schist. It is in turn overlain carbonaceous phyllite assigned to unit DKcp. The succession is capped by isolated occurrences of felsic metavolcanic assigned to the Kudz Ze Kayah felsic volcanic unit (DK). The succession is intruded on the east by a wedge of Devonian to Mississippian ultramafic rocks (unit Dum)
The Ket and Hoop claims are underlain by unit Dq, which in turn is overlain by unit DF. On the Ket claims, small exposures of unit DKcp outcrop near the south end of the claims. Mafic and ultramafic metaplutonic rocks, (unit DMum) intrude much of unit DF on the Hoop claims while on the Ket claims, the unit is restricted to a small exposure in the southeast corner of the claims. Mississippian granitic rocks belonging to the Grass Lakes Plutonic Suite (unit MGg) intrude across the northwest corner of the Ket and Hoop claims.
The Bas claims is underlain by unit Dq. At the north end of the claim group, locally thick and continuous beds of marble (unit Dqm) outcrop as separate units within unit Dq. Unit Dq is overlain by unit DF, which in turn is overlain by unit DK and unit DMcp. Granitic intrusions belonging to the Grass Lake Plutonic Suite, (unit MGg), intrude the sequence on three sides.
Mineralization in the area consists of pyritic, quartz-carbonate veins and pyritic and siliceous, sericite-schist hosting minor pyrrhotite, galena and sphalerite veins none of which returned economic results. Several gossan zones were noted in areas underlain by quartz sericite schist but no mineralization was found. Soil sampling on the Ket, Bas and Ball claims outlined numerous Cu, Pb and Zn anomalies. Maximum values returned were; Cu 430 ppm, Pb, 306 ppm and Zn 930 ppm. The anomalous areas were underlain by felsic and mafic schist belonging to units DF and DK.
The airborne geophysical survey flown over the Ball claims outlined 5 conductive responses, of which four correlate with anomalous soil geochemistry. It appears that they were never investigated 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 5 km to the southeast. Reconnaissance soil sampling returned widespread anomalous beryllium and minor anomalous tungsten and tin values on the small block of Meg claims located on the east side of the North River, adjoining the Goal Net claims (site of Regal Ridge). Reconnaissance geological mapping confirmed the existence of chloritic schist similar to those found on the Regal Ridge emerald property.
Firestone Ventures carried out a more detailed examination of the Meg claims. Geological mapping confirmed that the northern half of the main claim block is underlain by chloritic schist (unit DF) and ultramafic rocks (unit Dum) similar to Regal Ridge however unlike Regal Ridge only one narrow granitic dyke was identified. Geochemistry confirmed that units DF and Dum are chromium rich but beryllium poor. The southern half of the claim block is mainly underlain by carbonaceous phyllite (unit DKcp).

Geological mapping carried out on the eastern block of Meg claims was hampered by heavy overburden and only a few isolated outcrops were mapped. Stream sediment samples from creeks draining the area returned low beryllium values, however any response may have been masked by the heavy overburden covering much of the area.
Arcturus Venturesż 2002 exploration program was geared towards following up previous reports of sulfide mineralization and checking the areaćs potential to host emerald mineralization potential. Prospecting identified sporadic magnetite and chalcopyrite mineralization within the chloritic schist unit (unit DF) similar to that observed at the Fyre Lake sulphide deposit (Minfile Occurrence #105G 034) located approximately 13 km to the southeast. In addition reconnaissance rock, soil and silt sampling returned anomalous chromium values from areas underlain by chloritic schist.
The 2003 and 2004 exploration programs confirmed that the RB claims, host stratigraphy (i.e. unit DF) similar to that hosting the Fyre Lake deposit. The programs also identified areas where the unit is enriched in chromium similar to the neighboring Regal Ridge emerald prospect (Minfile Occurrence #105G 147). In addition the company discovered a two mica granite boulder in the middle of the claim block which appears similar in composition to the granitic dykes which provide the beryllium source for emerald mineralization at Regal Ridge.

References


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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 |
|---|---|---|
| 12/31/2004 | Geochemistry | Arcturus carried out detailed soil sampling. |
| 12/31/2003 | Geology | |
| 12/31/2003 | Geochemistry | |
| 12/31/2003 | Geochemistry | |
| 12/31/2002 | Geochemistry | |
| 12/31/2002 | Other | |
| 12/31/1997 | Airborne Geophysics | Also magnetic survey. |
| 12/31/1996 | Geology | |
| 12/31/1996 | Geochemistry | |
| 12/31/1996 | Other | |

## Assessment Reports that overlap occurrence

| Report Number | Year | Title | Worktypes | Holes Drilled | Meters Drilled |
|---|---|---|---|---|---|

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|---|---|---|---|---|---|
| 095344 | 2010 | Assessment Report on the 2010 Geological and Geochemical Program on RB 1-32, RB 23-38, RB 45-52 | Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other | | |
| 094446 | 2003 | Assessment Report Describing Geology, Mineralization and Geochemistry at the Meg Property | Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other | | |
| 094398 | 2002 | Assessment Report on the RB 1-58 Claims | Soil - Geochemistry, Bedrock Mapping - Geology, Line Cutting - Other, Prospecting - Other | | |