



## Occurrence Details

**Occurrence Number:** 115J 053  
**Occurrence Name:** Leo Lion  
**Occurrence Type:** Hard-rock  
**Status:** Anomaly  
**Date printed:** 6/15/2025 10:29:35 AM

## General Information

**Secondary Commodities:** copper, lead, silver  
**Aliases:** Coffee  
**Deposit Type(s):** Unknown  
**Location(s):** 62°50'29" N - -139°27'23" W  
**NTS Mapsheet(s):** 115J14  
**Location Comments:** .5 Kilometres  
**Hand Samples Available:** No  
**Last Reviewed:**

**Capsule**

**Work History**

Staked as Leo Lion cl 1-42 (Y43241) and Crown cl 1-16 (Y43329), cl 35-50 (Y43363), cl 69-84 (Y43397), cl 103-118 (Y43431) and cl 177-192 (Y43505) in Dec/69 by Atlas Explorations Ltd, which conducted grid soil sampling and mapping between late June and early Aug/70. In Jul/70 the company added Leo Lion cl 43-59 (Y53826) to the south end of the Leo Lion claim block in Jul/70. Partial funding for the program was provided by Dynastary Explorations Ltd which held an interest in Atlas explorations. In Sep/2009 S. Ryan staked Lion cl 1-16 (YC83761) 3.75 km to the southeast. Later in the month, Ryan carried out prospecting, rock sampling and ridge and spur soil sampling programs. In Sep/2010 Ryan optioned the claims to Kaminak Gold Corp. Staked within Coffee cl 411-610 (YC92601) in Sep/2009 by Kaminak Gold Corp. The claims make up part of the company's larger Coffee property (Minfile Occurrences 115J 110 and 111 etc.) which at present time number in excess of 3 000 claims. In 2010 the company carried out ridge and spur soil sampling in and around this occurrence.

**GEOLOGY**  
The area was reconnaissance mapped by D. Templeman-Kluit in 1974. Since that time various geologists have mapped near this area but no one has directly mapped the occurrence area in detail. Gordey and Makepeace (2003) released a geological compilation that covered this area. M. Colpron of the Yukon Geological Survey released a Tectonic Assemblage map which included this portion of the Yukon-Tanana Terrane in 2006. Colpron's stratigraphic units and age dates differ slightly from those used by Gordey and Makepeace because he is trying to work out terrane wide relationships. The occurrence location appears to mark the approximate center point of the Leo Lion claim block. It is located approximately 8.75 km southwest of the Main Coffee (Minfile Occurrence #115J 110) occurrence and 5 km due south of the Coffee West (Minfile Occurrence #115J 111) occurrence, in an area which Kaminak Gold has not yet geologically mapped in detail. Based on geological descriptions reported by Atlas Explorations and work completed by Gordey and Makepeace, Colpron and Kaminak Gold geologists, the occurrence is underlain by Cretaceous Coffee Creek granite. The occurrence is located approximately 2 km north of its southern contact with Devonian to Mississippian metamorphic rocks. Based on work by Atlas Exploration the granite is cut by at least one younger dacite dike which are known to occur in the region. Atlas Explorations' geological mapping program outlined numerous small sulphide veins located along major fault zones and disseminated sulphides residing in mafic rocks located at or near the intrusive contact. Grab samples collected from these zones returned up to 500.6 g/t silver and 2.3% lead. Soil sampling outlined a weak copper in soil anomaly (highest values 320 ppm copper) measuring approximately 1 km long and 500 m in the southeast corner of the Leo Lion claim group. Follow-up geological mapping traced the anomaly to minor disseminated sulphides located along the intrusive - metamorphic contact. All mineralization was considered too small and isolated to be considered economic. The Dynastary Explorations assessment report contains a summary report of work completed on the Leo Lion and Crown claims and several other projects that they help finance. Most notably it contains a color geology map of the Leo Lion and Crown claims. Ryan's Lion claims were staked to cover several old quartz galena showing previously identified by Atlas Explorations. Spur and ridge soil sampling completed in 2010 by Kaminak Gold in and around the occurrence area, did not returned any significant anomalies.

**REFERENCES**  
ATLAS EXPLORATION COMPANY LTD, 1970. Assessment Report #060611 by D. Brabec and W.O. Karvinen.  
DYNASTY EXPLORATIONS LTD, 1970. Assessment Report #061126 by J.S. Brock.  
KAMINAK GOLD CORPORATION, Jan/2011. Assessment Report #095302 by C. Finnigan.  
KAMINAK GOLD CORPORATION, Mar/2011. Technical Report Coffee Gold project, Yukon Territory, Canada. Report prepared by SRK Consulting (Canada) Inc. Project Number 3CK008.00 by J-F Couture and J.P. Siddorn.  
KAMINAK GOLD CORPORATION, Oct/2011. Web Site: www.kaminak.com  
KAMINAK GOLD CORPORATION, News Release, 21 Sep/2009, 9 Aug/2010, 2 Dec/2010.  
RYAN, S. Aug/2010. Assessment Report #095234 by S. Ryan.  
TEMPLEMAN-KLUIT, D.J., 1974. Reconnaissance geology of Aishihik Lake, Snag and part of Stewart River map-areas, west-central Yukon; Geological Survey of Canada, Paper 73-41, 97 p. (including preliminary maps 16-1973 (115JK), 17-1973 (115H) and 18-1973 (115N)).

Work History		
Date	Work Type	Comment
12/31/2011	Geochemistry	Ridge and spur sampling.
12/31/1970	Geology	
12/31/1970	Geochemistry	Grid sampling.

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
060611	1970	Assessment Report Describing Geochemical, Geophysical and Survey	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Orthophoto - Airphotography, Diamond -	247	48001

<a href="#">095301</a>	2011	Work on the Coffee Claims	Drilling, Reverse Circulation - Drilling, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Hydraulic - Trenching	477	7000.1
<a href="#">095391</a>	2010	2010 Geological, Geochemical, Geophysical and Drilling Report on the Boulevard Property	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Prospecting - Other, Mechanical - Trenching	20	3005.64
<a href="#">095302</a>	2010	Coffee Property-2010 Assessment Report	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Magnetics - Ground Geophysics, Petrographic - Lab Work/Physical Studies, Backhoe - Trenching	76	16104
<a href="#">060611</a>	1970	Report on the Geology and Geochemistry on the Leo Lion and Crown Mineral Claim Group	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Cursory Property Visit - Other, Prospecting - Other, Hand - Trenching		
<a href="#">061126</a>	1970	Victor Properties Proposed Budget-1970	Data Compilation - Pre-existing Data, Research/Summarize - Pre-existing Data		

## Related References

Number	Title	Page(s)	Reference Type	Document Type
<a href="#">2006-1</a>	Tectonic assemblage map of Yukon-Tanana and related terranes in Yukon and northern British Columbia (1:1 000 000 scale)		Yukon Geological Survey	Open File (Geological - Bedrock)
<a href="#">2003-9(D)</a>	Yukon Digital Geology (version 2)		Yukon Geological Survey	Open File (Geological - Bedrock)
<a href="#">YEG2010-15</a>	Geology of new gold discoveries in the Coffee Creek area, White Gold District, west-central Yukon.		Yukon Geological Survey	Annual Report Paper
<a href="#">ARMC012 241</a>	Aeromagnetic and National Topographic Series maps (map 7840G) - 115J, K( E1/2) - Snag, Y.T. - showing mineral claims, sample sites, and mineral anomalies		Property File Collection	Geophysical Map
<a href="#">ARMC012 536</a>	Air photo overlays 115-J-14 - Leo Lion claims		Property File Collection	Geoscience Map (General)
<a href="#">ARMC012 228</a>	National Topographic Series - 115G and F - Kluane Lake, Y.T. showing Casino winter road		Property File Collection	Geoscience Map (General)
<a href="#">ARMC012 229</a>	National Topographic Series - 115J and K - Snag, Y.T. showing Bid, Vina, Leo Lion, Vegas and Mim claims and copper, lead, zinc, and molybdenum showings		Property File Collection	Geoscience Map (Geological - Bedrock)
<a href="#">ARMC012 226</a>	National Topographic Series - 115J and K - Snag, Y.T. showing Casino claims		Property File Collection	Geoscience Map (General)
<a href="#">ARMC012 521</a>	Geochemical map - Leo Lion & Crown group		Property File Collection	Geochemical Map
<a href="#">ARMC012 535</a>	Geological notes and maps - Leo Lion and Crown groups		Property File Collection	Miscellaneous Company Documents
<a href="#">ARMC012 533</a>	Set of field notes - Leo Lion		Property File Collection	Miscellaneous Company Documents
<a href="#">ARMC012 227</a>	National Topographic Series - 115J and K - Snag, Y.T. showing Casino winter road and access to Vina and Bid claims		Property File Collection	Geoscience Map (General)
<a href="#">ARMC012 534</a>	Soil and rock geochemical samples - Leo Lion and Crown		Property File Collection	Miscellaneous Company Documents
<a href="#">ARMC012 247</a>	Geophysical map - 2-D fourier filter - Snag - Project No. 39155		Property File Collection	Geophysical Map
<a href="#">ARMC012 246</a>	Geophysical map - 2-D fourier filter - Snag - Project No. 39155 - coloured		Property File Collection	Geophysical Map
<a href="#">ARMC012 248</a>	Geophysical map - 2-D fourier filter - Snag - Project No. 39155 - coloured		Property File Collection	Geophysical Map
<a href="#">ARMC012 249</a>	Geophysical map - 2-D fourier filter - Snag - Project No. 39155 - coloured		Property File Collection	Geophysical Map
<a href="#">ARMC012 244</a>	Geophysical map - Log E analysis regional - Special area no. 1 - Snag - Project No. 39155		Property File Collection	Geophysical Map
<a href="#">ARMC012 245</a>	Geophysical map - Log E analysis residual - Special area no. 1 - Snag - Project No. 39155 - coloured		Property File Collection	Geophysical Map
<a href="#">ARMC012 243</a>	Geophysical map - Ring residual - Special area no. 1 - Snag - Project No. 39155		Property File Collection	Geophysical Map
<a href="#">ARMC012 242</a>	Geophysical map - Second vertical derivative - Snag - Project No. 39155		Property File Collection	Geophysical Map
<a href="#">ARMC012 250</a>	Geophysical map - Total magnetic intensity - Snag - Project No. 39155		Property File Collection	Geophysical Map
<a href="#">ARMC012 532</a>	Field geology notes - Leo Lion group		Property File Collection	Miscellaneous Company Documents
<a href="#">ARMC012 525</a>	Field sheet - 115-J-14 - Coffee Creek showing 1/2 mile geochem.		Property File Collection	Geochemical Map
<a href="#">ARMC012 522</a>	Field sheet - 115-J-14 - Coffee Creek showing geochem.		Property File Collection	Geochemical Map

<a href="#">ARMC012527</a>	Field sheet - 115-J-14 - Coffee Creek with geochemical plot		Property File Collection	Geochemical Map
<a href="#">ARMC012526</a>	Field sheet - 115-J-14 - Coffee Creek with geochemical sample sites		Property File Collection	Geochemical Map
<a href="#">ARMC012530</a>	Field sheet - 115-J-14 - Coffee Creek with geology marked		Property File Collection	Geoscience Map (Geological - Bedrock)
<a href="#">ARMC012529</a>	Field sheet - 115-J-14 - Coffee Creek with home granite marked		Property File Collection	Geoscience Map (Geological - Bedrock)
<a href="#">ARMC012531</a>	Field sheet 115-J-14 - Coffee Creek with minerals marked		Property File Collection	Geoscience Map (Geological - Bedrock)