



Occurrence Details

Occurrence Number: 115J 049

Occurrence Name: Polaris

Occurrence Type: Hard-rock

Status: Anomaly

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General Information

Deposit Type(s): Unknown

Location(s): 62°52'52" N - -139°39'59" W

NTS Mapsheet(s): 115J13

Location Comments: 1 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

WORK HISTORY

Staked as the Polaris cl 1-220 (Y45056) in Dec/69 by Quintana Minerals Ltd which carried out grid soil sampling and geological mapping in 1970.

S. Ryan staked Cream cl 1-22 (YC60088) in Apr/2007 5 km to the northeast. Ryan carried out ridge and spur soil sampling in Apr/2007. In Sep/2008 Ryan added Cream cl 23-68 (YC83144) to his holdings and in Sep/2009 carried out grid soil sampling over 2 areas located in the southern portion of the claim block.

Restaked within Coffe cl 1715-1954 (YD43085) in Feb/2010 by Kaminak Gold Corp. The claims encircled Ryan's Cream claims. In the summer of 2010 Kaminak Gold carried out ridge and spur soil sampling in and around this occurrence and over the southern half of the Cream claims.

In Sep/2010 Kaminak Gold optioned Ryan's Cream claims as part of an earlier option agreement covering Ryan's original Coffee claims (Minfile Occurrences 115J 110, 111 etc) signed in May/2009. At present Kaminak's Coffee property comprises in excess of 3 000 claims and covers parts of topographic map sheets 115J 13, 14 and 15.

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.

In general the Coffee property is underlain by a sequence of shallowly to moderately south to southwest-dipping Paleozoic metamorphic rocks that are assigned to the Yukon-Tanana terrane and are intruded by Cretaceous Coffee Creek granite along a west to northwest-trending contact.

Geologists employed by Kaminak Gold have broken the Paleozoic rocks into two main west to northwest-trending, south to southwest-dipping panels. From north to south these include 1) an augen gneiss-mafic schist sequence that is overlain by 2) a heterogeneous package of intercalated biotite-feldspar schist, highly strained felsic rocks, mettagabro, talc schist and metacarbonate. Both sequences are intruded by mid to Late Cretaceous equigranular granite along a west to northwest-trending contact located in the south end of the property. Both the metamorphic and intrusive rocks are cut by intermediate to felsic dykes of unknown age.

The area around the occurrence has not yet been re-mapped by Kaminak Gold geologists. Extrapolating data from various sources, it appears the occurrence is underlain by Devonian to Mississippian metamorphic rocks assigned to the Yukon-Tanana terrane. Cretaceous Coffee Creek granite intrudes the metamorphic rocks approximately 1 km to the east. Felsic dykes likely cut both units.

The occurrence location appears to mark the approximate center of an aeromagnetic high identified in an airborne magnetic geophysical survey flown by the Geological Survey of Canada from Oct/65 to Apr/66. A search of various assessment records failed to uncover any details regarding Quintana Minerals exploration program however the Polaris claims were likely staked to explore for intrusive related molybdenum and copper mineralization discovered in the fall of 1969, on the Casino property (Minfile Occurrence #115J 028) located approximately 37 km to the southeast.

The Cream claims are underlain by Devonian to Mississippian rocks except for a couple of claims located in the southwest corner of the claim block which are underlain by Coffee Creek granite. Soil sampling carried out by Ryan and Kaminak Gold outlined a couple of low grade, gold in soil spot anomalies (< 100 ppm gold). Soil sampling carried out on the Coffee claims surrounding this occurrence uncovered a couple of insignificant gold in soil spot anomalies.

REFERENCES

GEOLOGICAL SURVEY OF CANADA, 1967. Geophysics Paper 4292, Carlisle Creek, Yukon Territory. Scale 1: 250 000.

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, 4 May 2009, 2 Dec/2010,

MINES AND MINERALS NORTH OF 60 ACTIVITIES, 1970. Published by the Department of Indian Affairs Canada. Pg. 20.

RYAN, S. Oct/2008. Assessment Report #095037 by S. Ryan.

RYAN, S. Mar/2010. Assessment Report #095247 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
12/31/2010	Geochemistry	Ridge and spur sampling on west end of Coffee claims and southern portion of Cream claims.
12/31/2009	Geochemistry	Ridge and spur sampling on southern half of Cream claims.
12/31/2007	Geochemistry	Ridge and spur sampling on northern half of Cream claims.
12/31/1970	Geology	
12/31/1970	Geochemistry	
12/31/1967	Airborne Geophysics	Geological Survey of Canada releases results of aeromagnetic survey. Occurrence location site of magnetic high.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095505	2011	Assessment Report Describing Geochemical, Geophysical and Survey Work on the Coffee Claims	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Orthophoto - Airphotography, Diamond - Drilling, Reverse Circulation - Drilling, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Hydraulic - Trenching	247	48001
095460	2011	2011 Airborne Geophysical and Soil Geochemical Survey on the Boulevard Project	Gamma-Ray Spectrometry - Airborne Geophysics, Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Soil - Geochemistry, Soil - Geochemistry		
095391	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, Magnetism - Ground Geophysics, Prospecting - Other, Mechanical - Trenching	20	3005.64
095302	2010	Coffee Property-2010 Assessment Report	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Magnetism - Ground Geophysics, Petrographic - Lab Work/Physical Studies, Backhoe - Trenching	76	16104

Related References

Number	Title	Page(s)	Reference Type	Document Type
2006-1	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)
2003-9(D)	Yukon Digital Geology (version 2)		Yukon Geological Survey	Open File (Geological - Bedrock)
YEG2010_15	Geology of new gold discoveries in the Coffee Creek area, White Gold District, west-central Yukon.		Yukon Geological Survey	Annual Report Paper
ARMC016332	Geochemical map overlay of 115J/13		Property File Collection	Geochemical Map
ARMC012566	Field sheet - 115-J-13 - Home Creek showing geochemical plot		Property File Collection	Geochemical Map
ARMC012565	Field sheet - 115-J-13 - Home Creek showing geology with legend		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC012564	Field sheet - 115-J-13 - Home Creek showing geology, rock and water sample sites		Property File Collection	Geoscience Map (Geological - Bedrock)