



Occurrence Details

Occurrence Number: 115J 069

Occurrence Name: Empire

Occurrence Type: Hard-rock

Status: Anomaly

Date printed: 6/15/2025 9:17:33 AM

General Information

Secondary Commodities: copper

Deposit Type(s): Unknown

Location(s): 62°45'30" N - -138°42'19" W

NTS Mapsheet(s): 115J15

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Hop cl 5-12 (Y48917), cl 17-30 (Y48925) and cl 33-52 (Y48939) in Jan/70 and immediately optioned to Empire Mercury Corporation Ltd which carried out a program of grid based reconnaissance soil sampling and prospecting in Jul/70. The company changed its name to Empire Metals Corporation Ltd in Dec/70.

In Sep/92 Pacific Sentinel Gold Corp staked B cl 1-47 (YB37063) 3 km to the north and C cl 1-46 (YB37110) 3 km to the northwest. The claims were staked to protect an access route along Britannia Creek to the neighboring Casino property (Minfile Occurrence #115J 028). The company changed its name to Pacific Sentinel Resources Inc in Aug/96.

Restaked within Betty cl 677-730 (YD133467) in Dec/2010 by Ethos Capital Corp. The claims are part of an option agreement Ethos Capital signed earlier on November 30, 2010 with S. Ryan for the Betty property.

Ethos Capital carried out "first pass" ridge and spur soiling, reconnaissance scale prospecting and geological mapping programs during the early part of the 2011 field season. As assay results were received, crews followed up anomalous results with detailed, grid based soil sampling. In Jul/2011 the company flew an airborne magnetic and radiometric survey over the entire claim block. Geophysical and geochemical anomalies were trench and sampled.

In Aug/2011 the company added Betty claims 731-860 (YE21301).

GEOLOGY

The area was reconnaissance mapped by D. Templeman-Kluit in 1974. Gordey and Makepeace (2003) released a geological compilation that covered this area. In 2006, M. Colpron of the Yukon Geological Survey released a Tectonic Assemblage map which included this portion of the Yukon-Tanana terrane. Recently J. Ryan, C. Roots and others employed by the Geological Survey of Canada have been conducting geological mapping in the area as part of a joint project with the Yukon Geological Survey. Various maps and other products are tentatively scheduled to be published in 2012.

The Betty property presently comprises 860 claims and is located east of Britannia Creek in west-central Yukon. The northern half of the property is underlain by metamorphic rocks which Gordey and Makepeace assigned to the Devonian to Mississippian Nasina assemblage. Recent work by J. Ryan suggests that these rocks likely belong to the slightly younger Permian aged Klondike Schist assemblage. The southern half of the property is intruded by mid-Cretaceous granodiorite assigned to the Dawson Range batholith.

The Empire occurrence (this occurrence) is underlain by mid-Cretaceous granodiorite assigned to the Dawson Range batholith. Empire Mercury Corp collected soil samples from across the property using a cut and picketed grid. Sample lines were spaced at 250 m intervals and individual samples were collected at 61 m intervals. Samples returned copper values of between 6 ppm and 44 ppm and background values for molybdenum. **The occurrence location appears to mark the site of a spot anomaly which returned 44 ppm copper, the highest result obtained from the sampling program.**

Ridge and spur soil sampling conducted by Ethos Capital in vicinity of this occurrence did not return any significant anomalous results.

REFERENCES

ETHOS CAPITAL CORP, News Release. 30 Nov/2010, 6 Jun/2011, 8 Jun/2011, 12 Jul/2011, 25 Jul/2011, 9 Aug/2011, 29 Aug/2011, 12 Sep/2011, 6 Oct/2011, 27 Oct/2011, 15 Nov/2011, 18 Jan/2011.

ETHOS CAPITAL CORP, Feb/2012, Web Site. www.ethoscapitalcorp.com

EMPIRE MERCURY CORPORATION LTD, 1970. Assessment Report #060241 by D.M. Scott.

MINERAL INDUSTRY REPORT 1969-70, p. 53.

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)).

YUKON EXPLORATION AND GEOLOGY OVERVIEW 2011, p. 47-48, 62.

Work History

Date	Work Type	Comment
7/31/1970	Other	Prospecting.
7/1/2011	Airborne Geophysics	Magnetic and radiometric survey flown over entire property.
6/1/2011	Geochemistry	Ridge and spur sampling.
6/1/2011	Other	Prospecting.
12/31/1970	Geochemistry	Samples collected from reconnaissance scale grid.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096545	2012	Prospecting, Soil, Ground Magnetic Surveying, and Reverse Circulation Drilling on the Betty Project, White Gold District, Yukon Territory	Reverse Circulation - Drilling, Rock - Geochemistry, Soil - Geochemistry, Magnetics - Ground Geophysics, Prospecting - Other	61	273
096155	2011	Prospecting, Soil Geochemistry, Airborne Magnetic and Radiometric Surveying, and Airphoto-Orthophoto Surveying on Betty Project	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Orthophoto - Airphotography, Rock - Geochemistry, Soil - Geochemistry, Prospecting - Other, Backhoe - Trenching		
096304	2011	Prospecting, Soil Geochemistry, Airborne Magnetic and Radiometric Surveying, on the Bridget Project	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Orthophoto - Airphotography, Rock - Geochemistry, Soil - Geochemistry, Prospecting - Other		
019767	1970	Geophysical Report on Airborne Magnetic and Airborne Radiometric Surveys	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics		
060242	1970	Report on the Marguerite Lake Mine Claims-Casino Area	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other, Mechanical - Trenching		
060241	1970	Empire Mercury Corporation Ltd.-Hop Claim Group-Geochemical Report	Soil - Geochemistry, Property Evaluation - Other		
017450	1966	Report on Geochemical Survey-Dip Creek Watershed	Silt - Geochemistry, Soil - Geochemistry		
019098	1965	Geophysical Report-Cat Claims-Casino Creek Area	Magnetic - Airborne Geophysics		

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)
ARMC016563	Geochemical map - 115J/15 - Britannia Creek		Property File Collection	Geochemical Map
ARMC016562	Geology map - 115J/15 - Britannia Creek		Property File Collection	Geoscience Map (Geological - Bedrock)