



Occurrence Details

Occurrence Number: 115J 074

Occurrence Name: Betty

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 4/28/2025 4:38:23 PM

General Information

Secondary Commodities: arsenic, gold, silver

Aliases: Premier, Mascot, Mercedes

Deposit Type(s): Orogenic Au, Unknown

Location(s): 62°45'4.44" N - -138°26'51.32" W

NTS Mapsheet(s): 115J16

Location Comments: Location from map in AR96545

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

*In Feb/2012 the occurrence was moved 3.5 km to the southwest to represent in-situ mineralization discovered by Ethos Capital Corp during the summer of 2011.

Staked as Premier cl (15032) in Apr/24.

Restaked within Betty cl 1-564 (YD96501) in Sep/2010 by S. Ryan. On November 30/2010, Ethos Capital Corp optioned a 100% interest in the the claims from Ryan. The company added Betty cl 565-730 (YC133355) to the northwest and southwest sides of the claim block in Dec/2010.

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) to the east and southwest sides of the claim block.

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.

Both the old and new occurrence sites are underlain by mid-Cretaceous granodiorite assigned to the Dawson Range batholith. The original occurrence site likely marks the location of the Premier claim(s). A search of exploration and assessment records did not uncover any information regarding the claims.

In Aug/2011 Ethos Capital announced that ridge and spur soil sampling carried out in the southeast portion of the Betty claim block had outlined a 3.5 by 5 km area of anomalous gold (up to 1 149 ppm) and arsenic (up to 3 028 ppm) called the Mascot Creek soil anomaly. The company immediately carried out a detailed soil sampling and trenching programs over the anomaly. Two initial grab samples collected 1.5 km to the north (within an area later labeled the Bond zone) assayed 0.9 g/t gold and 8 g/t silver and 0.7 g/t gold and 10 g/t silver.

By the end of the 2011 exploration season, Ethos Capital had outlined 9 targets within the Mascot Creek soil anomaly. The targets are labeled; Bond, Koon, Marshall, Mercedes, Miller, Perrault, Spitz, Teek, and Thorton and are based on geochemical and geophysical characteristics. Four of the nine targets were tested with trenching before the end of the field season. All of the trenches were located along or near ridge crests to minimize the potential for mechanical or chemical dispersion. In all cases, gold in rock samples from the trenches correspond to the locations of gold in soil anomalies with minimal displacement.

The best results to date were obtained from two lines of trench pits (640 m total length) dug over the Mercedes target. Samples were collected from a depth of ~ 2 m and consist of composite chip samples (minimum 1 m in length) collected along the bottom of the trench pits. On line 1, 53 trench pits, spaced 5 to 10 m apart were excavated along a 270 m length. Nine samples returned an average of 7.3 g/t gold over a 50 m. **The new occurrence location represents the approximate center point of the mineralized interval intersected on line 1.** On Line 2, located 83 m north of line 1, 64 trench pits were excavated along a 370 m length. Six samples returned an average of 2.9 g/t gold over a 45 m. Both lines returned highly anomalous arsenic values (up to > 10 000 ppm). Individual grab samples collected from the two trench lines returned values as high as 24.8 g/t gold and 19 g/t silver.

The other three trenched targets generally returned lower gold values over shorter intervals.

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.

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

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
7/1/2011	Airborne Geophysics	Magnetic and radiometric surveys.
6/30/2011	Geochemistry	Ridge and spur sampling followed by detailed sampling.
6/30/2011	Trenching	Trenched and sampled soil and geophysical anomalies.
6/30/2011	Other	Prospecting.
1/1/2022	Drilling	5 holes 933 meters
1/1/2022	Drilling	5 holes 491 meter
1/1/2021	Drilling	9 holes totaling 2194 meters
1/1/2020	Geochemistry	188 GT probe samples
1/1/2020	Geochemistry	2030 samples
1/1/2020	Ground Geophysics	307 line-km of magnetics and VLF-EM
1/1/2018	Geochemistry	916 soil samples
1/1/2018	Drilling	28 holes
1/1/2017	Geochemistry	472 soil samples
1/1/2017	Airborne Geophysics	1201 km of DIGHEM
1/1/2014	Geochemistry	Centerra Gold Inc, 465 GeoProbe samples
1/1/2014	Geochemistry	5172 soil samples by Centerra Gold Inc,
1/1/2014	Ground Geophysics	56 line km by Centerra Gold Inc,
1/1/2014	Ground Geophysics	27 lines, Centerra Gold Inc
1/1/2014	Drilling	16 drill holes by Centerra Gold Inc,
1/1/2013	Airborne Geophysics	2010-2013 by Ethos Gold Corp
1/1/2013	Geochemistry	2010-2013 23060 soil samples by Ethos Gold Corp
1/1/2013	Drilling	61 holes with 14500 meters
1/1/2013	Airborne Geophysics	2010-2013 by Ethos Gold Corp

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		

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)
1995-2(G)	Geological Compilation with Interpretation from Geophysical Surveys of the Northern Dawson Range, Central Yukon (115 J/9 & 10; 115 I/12)		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)