



Occurrence Details

Occurrence Number: 115J 113

Occurrence Name: Hackly Gold

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 4/29/2025 2:29:25 AM

General Information

Secondary Commodities: bismuth, gold, molybdenum

Deposit Type(s): Orogenic Au

Location(s): 62°59'45" N - -138°27'11" W

NTS Mapsheet(s): 115J16

Location Comments: Occurrence location approximate centre of geochemical anomaly.

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

The first quartz claims staked in the area were the Big Elephant claims (12627) which were staked 2 km to the northwest in Jun/17.

J. Brady staked Rest cl 1-104 (YA89204) to the north and northeast in May/87. Although soil sampling and magnetic surveys were planned for the Rest claims, financial restraints resulted in their cancellation.

In Jul/87 R. McPhee staked Fish cl 37-40 (YA84498), cl 69-80 (YA89525) and cl 41-48 (YA89547) to the north and Wine cl 1-24 (YA89694) to the northwest. One month later McPhee added Fish cl 49-62 (YA89893) and cl 81-94 (YA89907) and Wine cl 25-48 (YA89869) and cl 49-57 (YA89937). In 1988 McPhee hand trenched and collected 179 rock samples on two chained lines located on the Fish claims.

J. Butterworth staked Tog cl 1-12 (YA89825) two km to the northwest in Aug/87. Resore Industries Corporation staked Resore 1-38 (YA89787) on the southwest boundary of the Tog claims at the same time.

In 1988 McPhee hand trenched and collected 179 rock samples on two chained lines located on the Fish claims.

A private syndicate staked Wolf cl 1-22 (YC07842) to the west in Aug/98.

Staked as MB cl 1-6 (YC17410) in Aug/99 by the same private syndicate which staked the Wolf claims a year earlier. The syndicated staked Pyrex cl 1-4 (YC17406) to the northwest at the same time. In Aug/2000 the syndicate carried out a preliminary exploration program on the claims and staked Wolf cl 23-42 (YC20245) to the east. The syndicate carried out further sampling in Jul/2001.

Restaked as Toluamide cl 23-58 (YC76009) in Aug 2008 by G.G. Richards. In 2009 Richards conducted rock and soil sampling programs on the claims. In Aug/2009 Richards staked Toluamide cl 65-138 (YD12601) to the north, east and south.

In Sep/2009 Pacific Ridge Exploration Ltd optioned a package of 203 mineral claims commonly referred to as the Mariposa Gold property from G. Richards for cash, claims and certain work commitments. The Mariposa property includes the Toluamide claims and the area surrounding this occurrence.

In 2010 Pacific Ridge prospected, rock sampled and grid soil sampled the area surrounding the newly discovered Hackly Gold in-soil anomaly (this occurrence). In Jul/2010 the company staked AC cl 1-126 (YD64152) to the east.

In the spring of 2011 Pacific Ridge flew an airborne magnetometer survey over the occurrence area. Later in the year the company collared two diamond drill holes (299 m) to test the Hackly Gold soil anomaly.

GEOLOGY

The area is located near the northern headwaters of Mariposa Creek approximately 6 km southwest of Pyroxene Mountain in west-central Yukon. S. Gordey and J. Ryan (2004 and 2005) of the Geological Survey of Canada have recently remapped the Stewart River map sheet (NTS 115N & O) located just north of the occurrence location. Ryan and Gordey and others have recently finished remapping NTS map sheet 115J & K (the map sheet covering this occurrence) and are in the final stages of releasing their results (tentatively 2012).

The occurrence area is believed to be underlain by a Devonian to Mississippian age sequence of quartz mica schist, amphibolite and other metavolcanic rocks. A large body of Late Triassic age pyroxenite (Pyroxene Mountain) intrudes to the north. The pyroxenite is likely a slightly older phase of the larger Early Jurassic granodiorite batholith which covers the area to the north. Numerous small mid-Cretaceous and Eocene granitic stocks are known to outcrop in the area.

The 1917 Elephant claims are thought to have been staked on quartz veins.

McPhee orientated his 1988 sample lines to cover two lineaments observed on two separate remote sensing studies conducted in 1987. The lines were located northwest of the occurrence and ran northeast and southwest from a starting point located at Fish cl #94. Several samples on the northwest line returned anomalous gold results.

The syndicate staked their various claim groups to explore for "Pogo" style mineralization. It appears the syndicate assumed the large intrusion located to the north might have a mid-Cretaceous age similar to other economically significant intrusions located throughout the Tintina Gold belt. The best result from the 2000 program was a soil sample collected over a small granitic plug located approximately 1 km southwest of the occurrence which returned 111 ppb gold. This sample appears to lie on the southwest side of the Hackly Gold soil anomaly (detected by Pacific Ridge in 2010).

The syndicate's 2001 exploration program attempted to re-locate McPhee's anomalous 1988 results but was unsuccessful. The best result from the program was a rock sample collected from a pyritized dike in Mariposa Creek (located approximately 3 km west of the occurrence) that returned 2 530 ppb gold.

Soil sampling conducted in 2009 returned a spot high of 256 ppm gold from a site located approximately 0.5 km south of the occurrence. The 2010 soil sampling program returned a spot anomaly of 129 ppm gold approximately 0.5 km north of the occurrence. Combined the two soil sampling programs outlined a 700 m by 400 m gold-in-soil anomaly, (named Hackly Gold) centred over this occurrence. The anomaly also hosts anomalous values in bismuth and molybdenum. Pacific Ridge Exploration has not publicly released any geological mapping results for this anomaly, however extrapolation of Gordey and Ryan's geological mapping to the north indicates that the area is underlain by Devonian to Mississippian age metavolcanics.

In 2011 Pacific Ridge Exploration tested the Hackly Gold soil anomaly with two diamond drill holes (299 m). No significant drill results were returned. The company plans to carry out further exploration work on the anomaly as soil sampling completed in 2011 continues to yield anomalous results that have not yet been explained.

REFERENCES

BRADY, M.J. Jan/88. Assessment Report #092088 by D.H. Waugh.

GORDEY, S.P. AND RYAN, J.J. 2005. Geology, Stewart River Area (115N, 115 O and part of 115J), Yukon Territory; Geological Survey of Canada, Open File 4970, scale 1:250 000.

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PACIFIC RIDGE EXPLORATION LTD, Feb/2011. Assessment Report #095527 by J. Fingler.

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RICHARDS, G.G. Feb/2010. Assessment Report #095249 by G.G. Richards.

RYAN, J.J. AND GORDEY, S.P. 2002. Bedrock geology of Yukon-Tanana terrane in southern Stewart River map area, Yukon Territory. Geological Survey of Canada, Current Research 2002-A1, 11 p.

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Ryan, J.J. AND GORDEY, S.P., 2004; Geology Stewart River Area (Parts of 115N/1,2,7,8 and 115O/2- 12), Yukon Territory; Geological Survey of Canada, Open file 4641, scale 1:100 000.

YUKON EXPLORATION 1987, p. 300; 1988, p. 202-203.

YUKON EXPLORATION AND GEOLOGY OVERVIEW 2010, p. 29, 60; 2011, p. 46-45, 65, 72.

Work History		
Date	Work Type	Comment
4/30/2011	Airborne Geophysics	Magnetometer survey.
12/31/2011	Drilling	Two holes, 299 m total length.
12/31/2010	Geochemistry	Collected while prospecting geochem anomaly.
12/31/2010	Geochemistry	Infill sampling.
12/31/2009	Geochemistry	Collected on grid but on reconnaissance scale.
12/31/2001	Geochemistry	
12/31/2000	Geochemistry	
12/31/1988	Geochemistry	
12/31/1988	Trenching	
12/21/2000	Geochemistry	

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097277	2017	Technical Report on the Mariposa Project in the White Gold District, Yukon Territory	All Weather Road - Development, Surface, Rock - Geochemistry, Mechanical - Trenching		
096551	2012	2011-2012 Soil Geochemical, Trenching and Diamond Drilling Assessment Report	Diamond - Drilling, Diamond - Drilling, Drill Core - Geochemistry, Drill Core - Geochemistry, Rock - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Soil - Geochemistry, Magnetics - Ground Geophysics, Magnetics - Ground Geophysics, Backhoe - Trenching, Backhoe - Trenching	28	5250
095949	2011	2011 Airborne Geophysical Survey Report on the Mariposa Property	Magnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		
095527	2010	2010 Soil Geochemical Assesment Report on the MARIPOSA	Soil - Geochemistry, Soil - Geochemistry, Soil - Geochemistry		

095249	2009	Geochemical Report on the Mariposa Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Prospecting - Other, Data Compilation - Pre-existing Data		
095337	2009	Ridge and Spur Soil Geochemical Assessment Report on the Mariposa Property	Soil - Geochemistry		
094297	2001	Preliminary Geochemical Prospecting Report on the WOLF 1-42, MB 1-6 and PYREX 1-4 Claims	Rock - Geochemistry, Soil - Geochemistry, Prospecting - Other, Hand - Trenching		
094197	2000	Preliminary Geochemical Prospecting Report on the WOLF 1-22, MB 1-6 and PYREX 1-4 Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Prospecting - Other		

Related References

Number	Title	Page(s)	Reference Type	Document Type
2003-9(D)	Yukon Digital Geology (version 2)		Yukon Geological Survey	Open File (Geological - Bedrock)