Occurrence Details

Occurrence Number: 115O 179
Occurrence Name: Rosebute
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 8/6/2025 2:16:25 AM

General Information

Secondary Commodities: arsenic, gold, mercury, silver, tellurium, tungsten
Aliases: Hudbay, Southeast, Northwest
Deposit Type(s): Orogenic Au
Location(s): 63°29'13.16" N - -139°37'2.57" W
NTS Mapsheet(s): 115O05
Location Comments: Occurrence location marks location of trench ROTH12-02.
Hand Samples Available: No
Last Reviewed:

Capsule

WORK HISTORY

S. Ryan staked Rose cl 1-28 (YC87106) to the northeast in May/2009 and Bute claims 1-62 (YC87401) to the east in June/2009. The Bute claims located on the northeast side of the Rosebute property are covered by a separate Minfile Occurrence (115O 167).

Restaked within Rose cl 37-120 (YD96040) in Feb/2010 by Ryan, who packaged the claims together to create the Rosebute property. In Mar/2010 Ryan optioned the Bute and Rose claims to Taku Gold Corp in return for cash, shares and certain work commitments. Shortly thereafter Taku Gold added Rose cl 121-412 (YD43401) to the existing property.

In Sep/2010 Taku Gold flew an airborne magnetic and radiometric survey over the entire existing property and carried out a deep auger soil sampling program over the northwest and north central portions of the Rose claims.

In Mar/2011 Taku Gold staked RS cl 1-72 (YD15751) on the northwest side of the property. In Jul/2011 the company carried out a reconnaissance, ridge and spur, deep auger soil sampling program over the entire property including the Bute and RS claims. The company also carried out follow-up deep auger soil sampling on the Northwest grid to better define anomalies detected during the 2010 sampling program.

In early Aug/2012 Taku Gold staked RS cl 73-112 (YE26103) to the west and in Oct/2012 staked RS cl 115-222 (YE74725) to the west-southwest.

During the 2012 field season Taku Gold dug two trenches and collared 4 diamond drill holes (963.0 m) on the Northwest zone. The company also grid soil sampled southwest of the Northwest zone which later became the Hudbay and Southeast zones and prospected and rock sampled all three zones. Seven trenches were dug over various targets located within the Hudbay zone and a preliminary ground resistivity and Induced Polarization (IP) surveys was run on the Hudbay zone.

In 2013 Taku Gold carried out high definition ground resistivity and induced polarization geophysical surveys on the Hudbay and Southeast zones. The company collected 141 rock samples at 5 m intervals on 7 Geoprobe lines which were located over various geophysical anomalies detected within the Hudbay zone.

In Apr/2014 Taku Gold announced that they had met all the conditions set out in their option agreement with S. Ryan and thus had acquired a 100 % interest in the Rosebute property.

In May/2016 Taku Gold offered a 75 % interest in the Rosebute property to Independence Gold Corp in return for cash, shares and certain work commitments. During the exploration season Independence Gold collared 12 Rotary Air Blast (RAB) drill holes (923.5 m) on the Hudbay zone. In Mar/2017 Independence Gold terminated its option agreement with Taku Gold.

In 2017 Taku Gold plans to carry out further work to evaluate the Hudbay and Southeast zones.

GEOLOGY

The Rosebute property is located approximately 20 km southwest of Henderson Dome and roughly 5 km east of the Yukon River. Access is currently by helicopter however supplies can be barged down the Yukon River and slung in by helicopter. The area was mapped at 1:100 000 scale in the early 2000's by Ryan and Gordey (2004) of the Geological Survey of Canada. A larger scale (1:250 000) compilation containing revised nomenclature was released in 2005 by Gordey and Ryan.

According to Gordey and Ryan the majority of the Rosebute property is underlain by undivided Devonian to Mississippian orthogneiss (unit DMogg), consisting of pink to orange potassium feldspar rich, granitic orthogneiss. The west side of the property is underlain by unit DMogt, a Devonian to Mississippian, mainly tonalitic or intermediate to mafic orthogneiss. A thin slice of Devonian to Mississippian amphibolite (unit DMa), outcrops in the southeast corner of the property. Several small mid (?) –Cretaceous granitic intrusions (unit Kg) intrude the sequence.

Exploration on the Rosebute property is hampered by deep overburden and the lack of visible outcrop (estimated at 5 %). Taku Gold has relied on deep auger soil sampling to outline exploration targets for follow-up exploration and drilling. To date the company has outlined 3 main exploration zones, Northwest, Hudbay and Northeast. The Northwest zone is the first zone discovered by the company. Host rock in the zone is dominated by a layered orthogneiss with intervals of muscovite schist. The zone is comprised of 3 smaller separate gold anomalies located in the southeast corner of the Northwest grid (located on topographic map sheet 115O 12). The first anomaly (UTM 570282 E, 7043134 N – diamond drill hole RO-12-1) is located approximately 250 m north of Rosebute Creek near the southeast boundary of the Northwest grid. It trends approximately 500 m long in an east-west direction and returned gold values of up to 1 343 ppb gold (1.3 g/t). Drill hole RO-12-01 tested the best gold soil value and returned 0.95 g/t gold over 23.4 m.

The second gold anomaly is located approximately 1.5 km to the north (UTM 570909 E, 7044086 N - diamond drill hole RO-12-3) and represents an east trending anomaly measuring approximately 900 m in length that returned values up to 212 ppb gold (0.2 g/t). Drill hole RO-12-03 did not intersect any notable gold-bearing intervals. The third gold anomaly (UTM 570267E, 7044463 N – diamond drill hole RO-12-4) lies about 1 km northeast of the first anomaly, is well defined over an east trending length of 450 m and returned values up to 254 ppb gold. It lies along an east to west trend with anomaly #2 and may in fact identify one gold-bearing zone. Diamond drill hole RO-12-04 intersected 0.88 g/t gold over 3.0 m. A strong arsenic in soil anomaly lies approximately 1.2 km northwest of anomaly 1. Diamond drill hole RO-12-02 which tested the anomaly returned 1.58 g/t gold over 1.0 m.

Reconnaissance ridge and spur soil sampling completed in 2011 identified a small cluster of anomalous gold results with maximum values up to 0.5 g/t gold approximately 2.4 km southwest of the Northwest zone. Follow-up grid sampling carried out in 2012 outlined a very strong gold-in-soil anomaly trending northwest over a length of at least 1 000 m. The newly named

Hudbay zone (Occurrence Location- UTM 568860 E, 7040594 N –trench ROTH12-02), varies from 150 to 350 m wide and returned a maximum value of 0.9 g/t gold. The southern end of the zone is especially strong with most samples returning greater than 60 ppb gold within an area measuring 500 m long by 350 m wide.

Portable excavator trenching conducted in 2012 over the southern end of the Hudbay zone identified a number of parallel, north-trending gold zones. Host rock in the trenches is predominantly a granitic, layered orthogneiss with occasional schist and quartzite zones. Mineralization consists of quartz veins and stockwork and intervals of disseminated pyrite. The best results of the program returned 6.17 g/t gold over 5 m from 35.0 m in trench ROTH12-02 and 1.5 g/t gold over 20.0 m from 130.0 n in trench ROTH12-04. Geoprobe sampling completed in 2013 returned highly anomalous results from all seven lines sampled with the best result returning 4.3 g/t gold. The sampling identified a linear, north-trending gold-bearing structure that varies from 10 to 30 m wide and confirms the gold bearing zone outlined by previous soil geochemistry and trenching. Gold has a very strong correlation between silver, tellurium and mercury and to a lesser degree tungsten and arsenic.

Independence Gold tested the Hudbay zone with 12 rotary air blast holes (923.5 m) in 2016 as part of their option agreement. The holes intersected multiple zones of low-grade gold mineralization e.g., RO 16-15 returned 0.5 g/t gold over 36.6 m, 0.31 g/t gold over 38.1 m and 0.15 g/t gold over 91.4 m starting at 12 m depth. The higher gold values are spatially associated with increased concentrations of massive sulphide-quartz poor veins.

Detailed grid soil sampling completed in 2012 also identified a second anomalous gold-in-soil anomaly approximately 750 m southeast of the Hudbay zone. The Southeast zone (UTM 569635 E, 7040000 N - approximate center of zone) trends northwest over a length of 650 m and varies in width from 50 to 250 m. Sampling in 2012 returned gold values up to 96 ppb gold and although smaller in size and lower in gold values it remains an interesting target.

At the time of publication no results have been released regarding Taku Gold's 2017 exploration program.

Work History

Date	Work Type	Comment
12/13/2016	Drilling	Twelve holes (923.5 m) collared on Hudbay zone.
12/13/2013	Geochemistry	Collected 141 rock samples from 7 Geoprobe lines located over various geophysical anomalies.
12/13/2013	Ground Geophysics	Also resistivity surveys run over Hudbay and Southeast zones.
12/13/2012	Drilling	Four holes (963 m) collared on Northwest zone.
12/13/2012	Geochemistry	Grid soil sampled Hudbay and Southeast zones.
12/13/2012	Ground Geophysics	Also Induced Polarization survey run over Hudbay zone.
12/13/2012	Trenching	Used portable Can-Dig excavator.
12/13/2011	Geochemistry	Deep auger sampling on grid and ridge and spur sampling.
12/13/2010	Geochemistry	Deep auger sampling.
12/13/2010	Airborne Geophysics	Also radiometric survey, over entire property.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097067	2016	2016 Exploration Program on the Rosebute Project, Yukon	RAB (Rotary Air Blast) - Drilling, Rock - Geochemistry, Magnetics - Ground Geophysics	12	923.50
096703	2013	Memorandum Report, 2013 Surface Work, Rosebute Property	Rock - Geochemistry, Rock - Geochemistry, IP - Ground Geophysics, IP - Ground Geophysics, Resistivity - Ground Geophysics, Resistivity - Ground Geophysics		
096409	2012	2012 Drilling and Surface Work, Rosebute Property	Diamond - Drilling, Diamond - Drilling, Drill Core - Geochemistry, Drill Core - Geochemistry, Rock - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Soil - Geochemistry, IP - Ground Geophysics, IP - Ground Geophysics, Resistivity - Ground Geophysics, Resistivity - Ground Geophysics, Prospecting - Other, Prospecting - Other, Backhoe - Trenching, Backhoe - Trenching	8	1926
096005	2011	2011 Soil Geochemical Survey on the Rosebute Property	Soil - Geochemistry, Soil - Geochemistry		
095965	2010	2010 Surface Work on the Rosebute Property	Gamma-Ray Spectrometry - Airborne Geophysics, Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Soil - Geochemistry, Soil - Geochemistry		

Related References

Number	Title	Page(s)	Reference Type	Document Type
YEG2010_OV	Yukon Exploration and Geology Overview 2010	p. 30, 61.	Yukon Geological Survey	Annual Report
YEG2011_OV	Yukon Exploration and Geology Overview 2011	p. 48, 67.	Yukon Geological Survey	Annual Report
YEG2012_OV	Yukon Exploration and Geology Overview 2012	50, 63, 65.	Yukon Geological Survey	Annual Report
YEG2016_OV4	Yukon Hardrock Mining, Development and Exploration Overview 2016	p. 49, 56, 59.	Yukon Geological Survey	Annual Report Paper