Occurrence Details

Occurrence Number: 105N 034
Occurrence Name: Gold Dome
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 8/6/2025 1:46:19 AM

General Information

Secondary Commodities: arsenic, gold
Aliases: Vg Zone, Plateau South
Deposit Type(s): Vein Au-Quartz
Location(s): 63°16'58.31" N - -133°22'48.26" W
NTS Mapsheet(s): 105N06
Location Comments: Location data is for collar of discovery hole PSVG13-03.
Hand Samples Available: No
Last Reviewed: Oct 20, 2015

Capsule

WORK HISTORY

Staked within PT cl 294-405 (YF20694), in early Sep/2011 by Goldstrike Resources Ltd. The company also staked PT cl 422-4425 (YE55354) located 7 km to the southeast and PT cl 406-420 ((YE69988) located 11 km to the southeast at the same time. The claims were staked to cover exploration targets identified during a regional prospecting program conducted by the company from their camp at the Plateau North (Gold Rush) project (Minfile Occurrence #105N 027) located on the north side of the Hess River (approximately 3.5 km to the north).

Immediately following the staking of the PT claims, Goldstrike Resources carried out a brief reconnaissance rock, silt and soil sampling program on the newly staked claims. During the program, prospector T. Morgan discovered a site hosting visible gold. In Nov/2011 newly received assay results confirmed the presence of gold within the claims. In Dec/2011 Goldstrike Resources staked PLS cl 1-190 (YE84301) north, east and southeast of the PT claims. The company also staked PTT cl 1-102 (YE84501) approximately 7 km to the northwest at the same time. The claims were originally assigned to the Plateau North project but because they are located on the south side of the Hess River, the claims were later included in the Plateau South project.

In Feb/2012 Goldstrike Resources staked PTT cl 103 – 238 (YE79603) to the west. The following month the company staked PA cl 1-97 (YE77001) to the northwest, PB cl 1-218 (Y77101) to the north, south and southeast.

The Plateau South project is covered by an option agreement with the B2 Syndicate who originally optioned the Plateau North project to Goldstrike Resources. Within the project, the company has identified 3 main mineralized areas. From east to west they are; 1) Gold Dome (this occurrence), 2) Goldbank (Minfile Occurrence #105N 035) and Goldstack (Minfile Occurrence #105N 036). By the end of Aug/2012 the Plateau South project consisted of 970 mining claims, encompassing approximately 195.5 square kilometers.

During the 2012 field season Goldstrike Resources carried out prospecting, geological mapping, trenching, rock, soil and silt sampling programs over portions of the project area. Two "scout" diamond drill holes (165.2 m) were collared to test mineralization discovered at the Goldstack area. At the Gold Dome area, the company carried out geological mapping, rock sampling and prospecting programs. The company also carried out a small (200 m by 200 m) detailed soil sampling program over an area (VG zone) hosting the highest gold mineralization discovered to date and a high resolution ground magnetic geophysical survey over the entire Gold Dome area.

In Oct/2012 Goldstrike Resources flew a 1 156 line kilometer helicopter-borne magnetic and radiometric geophysical survey over the entire Plateau South project. The company also dropped its options on 16 exploration projects in order to focus of 5 core projects including the Plateau North and South projects.

Over the fall and winter Goldstrike Resources carried out numerous structural interpretation, geochemical and alteration studies, spectral matching of remote sensing data and analyzed all geological data collected to date.

Goldstrike Resources 2013 exploration season was geared towards evaluating gold-bearing mineralization discovered in 2012 and discovering additional mineralized areas. The company carried out prospecting, rock and soil sampling, minor follow-up silt sampling, hand trenching, outcrop washing and channel sampling. The company also completed a shallow diamond drilling program (17 holes, 1 184 m) in conjunction with the field program. Work completed in the Gold Dome area included prospecting, rock sampling, minor silt sampling (3 samples), expanded soil sampling over the main mineralized area and 7 diamond drill holes (lengths not reported).

In Jul/2014 Goldstrike Resources conducted a high resolution three-dimensional induced polarization (I.P.) survey over the Gold Dome area. The company spent the winter analyzing the results and planning a diamond drill program for 2015.

In 2015 Goldstrike Resources collared 11 diamond drill holes (924.16 m) on the Plateau South property. The company collared 8 holes (length not reported) in the Gold Dome area. The company also carried out a high resolution ground geophysics program and continued prospecting and rock sampling in the Goldbank area.

GEOLOGY

The Plateau South property consists of 970 claims (~ 195.5 square kilometers) located on the south side of the Hess River approximately 138 kilometers east of Mayo, Yukon. Access to the property is currently by helicopter however there are 4 neighboring lakes suitable for float planes that could be accessed in the future.

Outcrop is exposed atop northeast trending ridges and on steeper slopes resulting in less than 10% exposed outcrop. The remaining areas are covered in forested colluvium, felsenmeer and glacial till.

The property lies within the Selwyn Basin, a region of lower Paleozoic metasedimentary rocks with local accumulations of vesicular metabasalt, intruded by mid-Cretaceous granitic stocks and dikes (Gordey and Anderson, 1993). Regional bedrock mapping indicated that the property area is dominated by siliceous metasediments of the Yusezyu Formation, with infolds of chloritic mud- to sandstone of Gull Lake Formation and limy siltstone of possible Rabbitkettle Formation (Roots, 1998, 2003).

Geological mapping by Goldstrike Resources in 2012/13 shows that 60% of the Plateau South property consisted of felsic metavolcanic and sub-volcanic quartz porphyry intrusive stratigraphy. Clastic metasediments account for 30% of the rocks underlying the property and reflect a turbidite sequence. The metasediments occur as inter-formational units with the felsic metavolcanics and are cut off to the southeast and northwest by mid-Cretaceous intrusions assigned to the mid-Cretaceous Mount Armstrong Intrusion complex. The intrusives

account for 9 % of the rocks underlying the property. The remaining 1% of rocks consists of a northwest trending limestone unit that occurs in the northwest portion of the property. Other thin limestone and skarn units have been observed near the intrusives as inter-formational units within the clastic metasediments.

The interpretation of felsic volcanic rocks in this area is not universally accepted; alternatively the quartz may be detrital grains within a finer grained metasedimentary host. Distinctive morphology of the quartz (i.e., that they are phenocrysts) or a population of zircon winnowed from samples of this unit demonstrating a uniform age could clarify the igneous origin of these intercalations.

The PT and other claims were staked in Sep/2011 to cover areas hosting stratigraphy similar to that underlying the Plateau North project located approximately 7 km to the north where Goldstrike Resources discovered significant gold mineralization. Following completion of staking the company carried out a brief reconnaissance prospecting and sampling program on the newly staked claims. Several days into the program, Tom Morgan a renowned Yukon prospector discovered visible gold in an outcrop. A grab sample containing visible gold returned an assay of 159.5 g/t gold, while a second sample of the same rock containing no visible gold returned an assay of 30.15 g/t gold. Goldstrike Resources originally called this area the VG zone. Rock and soil samples collected during the short program identified multiple mineralized zones over a strike length of 2.5 km that remained open in all directions.

Prospecting and rock sampling carried out in 2012 outlined a 25 km long by 5.5 km wide regional scale system of parallel gold bearing structure, open in all directions which Goldstrike Resources labeled the Yellow Giant Gold Trend. The system contains extensive quartz veining, gossans and mineralization throughout. Within this system the company identified three major areas hosting significant gold mineralization; 1) Gold Dome (this occurrence), 2) Goldbank, (Minfile Occurrence #105N 035) and 3) Goldstack. (Minfile Occurrence #105N 036).

Follow up prospecting and rock sampling in the VG zone outlined an area of structurally controlled gold mineralization measuring at least 2 000 m long by 400 m wide. Rock sampling within the area returned 17 high-grade grab samples ranging from 3.57 g/t to 529.86 g/t (metallic assay) gold. The higher grade samples were collected from an area underlain by boulders and/or felsenmeer. The boulders and felsenmeer are reported to consist of silicified altered felsic crystal tuffs and quartz veins hosting fine to coarse native gold.

The magnetic survey flown in Oct/2012 clearly defined a northeast-trending magnetic low measuring 1 200 m long and 300 m wide directly below where the high grade samples were collected. The magnetic low strikes obliquely across a broad flat-topped ridge measuring approximately 2 km by 1 km that the company began referring to as the Gold Dome area. A strong gold soil anomaly, ranging from 108.6 ppb to 287 ppb gold coincides with the magnetic break for approximately 250 m.

Goldstrike Resources also outlined two small showing to the northwest; 1) Doucette, where rock sampling return assays up to 1.04 g/t gold and 2) Ben, where sampling returned values up to 19.74 g/t gold. Both showings are reported to be located along argillaceous metasedimentary and felsic metavolcanic contacts. Both showings contain significant arsenopyrite mineralization with the Ben showing containing up to 0.52 % lead in the form of galena.

Prospecting carried out in and around the VG showing during the 2013 field season identified additional high-grade gold mineralization in boulders/felsenmeer in three separate areas. Results from grab samples returned gold values up to 351.49 g/t gold. Expanded soil sampling extended the gold in soil anomaly trend to the north for approximately 400 m as well as to the northeast. Analytical results show coincident, east-west trending gold-arsenic dispersion in the soils, which the company theorizes reflects the regional metamorphic aureole of the Mount Armstrong intrusive.

The 2013 diamond drilling program was centered on the VG zone. Three of the first six holes collared on the VG zone returned visible gold and all holes seven holes returned sulphide mineralization. All holes collared in 2013 targeted areas within the zone where visible gold and gold mineralization was previously discovered in surface felsenmeer. The best intersection was obtained in diamond drillhole PSVG13-03 which Goldstrike Resources labeled a "discovery hole". The hole was collared in gold-mineralized felsenmeer and encountered gold at the bedrock interface only 3.55 m below surface. The target represents a blind, high grade gold mineralized shoot which graded 7.60 g/t gold over 9.03 m that extends from 4.75 m to 13.6 m downhole. The gold is hosted in felsic metavolcanic rocks cut by quartz stockwork and numerous quartz veinlets, some containing visible specks of gold and up to 5 % arsenopyrite and pyrite that form a halo around the gold mineralized shoot. The other drillholes returned significantly shorter mineralized intervals.

The three-dimensional induced polarization (I.P.) survey undertaken in Jul/2014 outlined a large, well defined chargeability anomaly with strong gold potential near the collar of diamond drillhole PSVG13-03, otherwise referred to as the "discovery hole". The anomaly is interpreted to represent disseminated mineralization similar to that associated with bonanza grade gold discovered at surface at the VG zone. The core of the anomaly measures approximately 200 m by 100 m and extends from about 100 m below surface to 200 m depth. It is indicated to be open to the southeast and to depth. The shallowest part of the anomaly is located east of the VG zone, which means the 2013 "discovery hole" did not test the anomaly. The I.P. survey outlined numerous targets in the general area. With this new evidence, Goldstrike Resources began considering the area one large local mineralizing system instead of series of individual zones, thus referring to it as the Gold Dome area. The VG zone is one zone within the larger area.

The 2015 diamond drill program carried out in the Gold Dome area tested a variety of blind targets generated beneath felsenmeer. Seven of eight holes intersected mineralized quartz stockworks containing abundant arsenopyrite that remain open and two holes contained multiple grains of coarse native gold. Diamond drillhole PSVG15-06 which tested the I.P. anomaly intersected 4 previously unknown gold mineralized zones downhole, including 9.09 g/t gold over 1.5 m near surface, and 12.65 g/t gold over 0.5 m within a 12.5 m zone of mineralized quartz stockwork and arsenopyrite at a downhole depth of 117 m. The hole terminated in a previously untested area 30 m north of "discovery hole" PSVG13-03, at a vertical depth of 93 m below surface.

All 2015 Gold Dome drillholes tested different targets at various azimuths and as a result, the true widths of gold mineralization cannot be accurately estimated. Soil sampling outlined an 800 m by 100 m gold anomaly approximately 200 m to the south of the area drilled which returned up to1 234.9 ppb gold. Prospecting and rock sampling outlined multiple new shallow and deep targets in an area measuring approximately 500 m by 500 m in the core of the Gold Dome area, that contained free native gold that assayed up to 184.4 g/t gold. The area remains open in all directions and only a small portion of the 9 square kilometer area encompassing the Gold Dome area has been properly tested.

Work History

Date	Work Type	Comment
12/13/2015	Drilling	8 holes, footage not reported.
12/13/2014	Ground Geophysics	Carried out over Gold Dome area.
12/13/2013	Trenching	Also cleaned and washed exposed areas.
12/13/2013	Geochemistry	Chip sampling of trenched areas, grab samples throughout VG showing area and areas prospected.
12/13/2013	Drilling	7 holes, footage not reported.
12/13/2013	Geochemistry	Expanded soil sampling in VG showing area.
12/13/2013	Geochemistry	Minor silt sampling.
12/13/2013	Other	Over immediate area covering VG showing.
12/13/2012	Trenching	Over selected outcrop areas.
12/13/2012	Geochemistry	Over selected areas of trend.

12/13/2012	Geochemistry	Grid sampling over VG showing, reconniassance scale over rest of property.
12/13/2012	Geochemistry	Property wide.
12/13/2012	Airborne Geophysics	Also radiometric survey over entire property.
12/13/2012	Geology	Rest of Plateau south property.
12/13/2012	Geology	In Gold Dome area.
12/13/2012	Other	Property wide.
12/13/2011	Geochemistry	Reconnaissance program following staking of claims.
12/13/2011	Geochemistry	Reconnaissance program following staking of claims.
12/13/2011	Geochemistry	Reconnaissance program following staking of claims.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097218	2018	2018 Diamond Drilling, Structural & Geological Mapping and Ground Geophysics Report	Diamond - Drilling, Rock - Geochemistry, Soil - Geochemistry, IP - Ground Geophysics	26	7753
097116	2017	2017 Diamond Drilling, Structural and Geological Mapping, Airborne Magnetic & Radiotmetric Survey, Airborne EM Survey, LiDAR Durvey, and Group Geophysics (IP, Gravity, EM) on the Plateau Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Bedrock Mapping - Geology, EM - Ground Geophysics, Gravity Survey - Ground Geophysics, IP - Ground Geophysics, LIDAR - Remote Sensing		
096926	2015	2015 Diamond Drill Program on the Plateau Property	Diamond - Drilling	11	924.16
096612	2013	Report of 2013 Surface Exploration Program on the Plateau South Project	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Prospecting - Other, Hand - Trenching, Hydraulic - Trenching		
096441	2012	Report of 2012 Surface Exploration and Diamond Drill Program on the Plateau South Project	Diamond - Drilling, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Regional Bedrock Mapping - Geology, Prospecting - Other, Hand - Trenching	2	165.20
019033	1968	Atlas Explorations Limited Project Report 1968 Hess River Area	Silt - Geochemistry, Soil - Geochemistry, Regional Bedrock Mapping - Geology		
018947	1967	Hess River Project Report	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology		
019032	1967	Hess River Project Report	Data Compilation - Pre-existing Data		

Related References

Number	Title	Page(s)	Reference Type	Document Type
YEG2012_OV	Yukon Exploration and Geology Overview 2012	39-40, 62.	Yukon Geological Survey	Annual Report
YEG2013_OV	Yukon Exploration and Geology Overview 2013	39, 43, 47.	Yukon Geological Survey	Annual Report
GM2003-1	Bedrock geology of Lansing Range map area (NTS 105N), central Yukon		Yukon Geological Survey	Geoscience Map (Geological - Bedrock)
YEG2014_OV	Yukon Exploration and Geology Overview 2014	p.31, 40.	Yukon Geological Survey	Annual Report