Occurrence Details

Occurrence Number: 105H 067
Occurrence Name: Golden Culvert
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 12/16/2025 2:02:18 PM

General Information

Secondary Commodities: arsenic, gold
Aliases: Culvert
Deposit Type(s): Orogenic Au, Vein Au-Quartz
Location(s): 61°57'3.736" N - -128°24'23.91" W
NTS Mapsheet(s): 105H16
Location Comments: Location marks approximate center of Main zone. GPS coordinates.
Hand Samples Available: No
Last Reviewed: Feb 21, 2018

Capsule

WORK HISTORY

In 1984 prospector R. Scott discovered placer gold while panning below a culvert that crosses the Nahanni Range road. In Jul/2005 G. Lee, Scott's partner staked Culvert cl 1 (YC29100) approximately 300 m east of the Nahanni Range Road. In Sep/2006 Lee and Scott added Culvert cl 2 (YC31957), cl 4-6 (YC31958) and cl 9-12 (YC319610) to their holdings and carried out preliminary prospecting and rock, silt and soil sampling. In Jul/2007 and Sep/2007 the men carried out further rock, silt and soil sampling. In Sep/2007 the men staked Culvert cl 3 (YC71979), cl 7-8 (YC71980) and cl 13-16 (YC71982).
In Jun/2008 Scott and Lee staked Culvert cl 17-70 (YC73335) and Golden cl 1-3 (YC73332). During the 2008 exploration season the prospectors prospected the claims and carried out further rock, soil and silt sampling. In Sep/2008 Culvert cl 71 (YC73863), cl 72 (YC94980) and cl 73-75 (YD17372) were staked.
In 2009 the prospectors continued prospecting and carried out hand trenching, regional and detailed rock and soil sampling and ground magnetic and VLF-EM surveys on the claims.
On November 5, 2010 Hinterland Metals Inc optioned the Culvert property for cash, shares and certain work commitments. On April 5, 2011 Hinterland announced an agreement with Stakeholder Gold Corp (a wholly owned subsidiary) whereby Hinterland would transfer certain Yukon gold assets (including the Culvert claims) to Stakeholder Gold in consideration of the issuance of common shares from Stakeholder to Hinterland. As part of the agreement Stakeholder Gold was spun out into a separate company. The agreement was finalized on June 20, 2011.
In Aug/2011 Stakeholder Gold commenced a detailed deep auger soil sampling program over the entire Culvert claim group. On November 9, 2012 Stakeholder Gold dropped its option on the Culvert claims and returned the claims to prospectors Lee and Scott.
On September 27, 2017 South Shore Partnership Inc, a private company, acquired an option to acquire the Golden Culvert property including certain Rubus claims located approximately 7 km to the north in return for cash, shares and certain work commitments. The partnership also optioned the Little Hyland North and Little Hyland South claims located directly north and south of the Golden Culvert property under a separate option agreement. In total the partnership optioned 431 contiguous quartz claims. The two separate option agreements were required to cover separate ownership group, i.e. Scott and Lee in the first agreement and Scott, Lee and prospector Ron Stack in the second group.
On October 23, 2017 South Shore Partnership assigned the two option agreements to Stratabound Minerals Corp in return for staged cash and share payments and Stratabound assuming the previous negotiated work commitments. Following the signing of the agreement Stratabound completed a due diligence site visit to the properties where they collected a series of rock samples from various showings. The visit and resulting assays confirmed past field results and on December 18, 2017, Stratabound Minerals finalized the option agreements.
On February 12, 2018. Stratabound Minerals filed a NI-43-101 compliant Technical Report on the Golden Culvert and Little Hyland Gold properties with SEDAR.

GEOLOGY

The Golden Culvert property is located approximately 250 km north of the Town of Watson Lake in southeast Yukon. The Nahanni Range road which services the former Cantung mine, (located approximately 10 km to the east), bisects the claim block at approximately Kilometre 165. Access within the property is by helicopter or 4-wheeler.

The majority of the area has not yet been remapped by the Yukon Geological Survey. In early 2016 M. Colpron of the Yukon Geological Survey (YGS) released an updated geological compilation map of the Yukon which included this area. In late 2016 D. Moynihan of the YGS released a 1:50 000 geology map of the Upper Hyland River area including the west side of the Little Hyland River Valley which is located on the extreme east side of Moynihan's map. Given its limits Moynihan's map only covers the geology located west of the Nahanni Range Road thus only covering the western half of the property.

Neither Lee, Scott nor Stakeholder Gold carried out any appreciable amount of geological mapping on the Golden Culvert property. The Little Hyland River Valley is entirely underlain by Neoproterozoic to Lower Cambrian Hyland Group (Windermere Supergroup), clastic rocks. Based on Moynihan's mapping the east side of the property is underlain by Vampire Formation rocks comprised of dark brown, fine-grained and thinly-bedded, argillaceous sandstone and siltstone with minor, interbedded, medium- to coarse-grained, white to light grey orthoquartzite, phyllite, slate and argillite. Based on extrapolation of Moynihan's mapping and cursory observations, the western half of the property is underlain by thinly to thickly bedded maroon and green argillites, grey shales and lesser grits and sandstones of the dominantly Lower Cambrian Narchilla Formation. Mid-Cretaceous granitic intrusions assigned to the Tungsten Suite are known to intrude both units in the region, but to date no evidence has been found to indicate the presence of these intrusions within the property. In addition the majority of gold occurrences found in the region to date show no proximal or distal features normally associated with intrusive activity.

The 2006/2007 exploration program was designed to trace back the source of placer gold discovered by Scott in 1984. Six of twenty three silt samples returned gold values of greater than 0.5 g/t gold. The highest sample returned 1.845 g/t gold and was collected approximately 0.75 km downstream of the main zone of mineralization discovered by prospecting in 2008. There is a weak correlation between gold and arsenic.

Prospecting and follow-up soil and silt program carried out in 2008 located 2 source areas of gold mineralization. The first area, named the "Main zone" (occurrence location) is located in the headwaters of the main creek that drains the western side of the east claim block. Rock sampling in the immediate area of the zone returned 9 samples which returned assays ranging from 1.630 to 17.30 g/t gold. In general the gold appears to be concentrated in quartz veins containing arsenopyrite and there is good correlation between gold and arsenic. Soil samples collected over the main area returned values of up to 0.244 ppm gold and 203 ppm arsenic.

The second area of significant gold mineralization (~ 530530 E, 6869790 N), was discovered 1.2 km to the northeast of the Main showing. A sample of quartz vein material with pyrite and arsenopyrite returned 4.17 g/t gold and 2 860 ppm arsenic.

The 2009 exploration program focused on exploring the ground located between the two known areas of mineralization and establishing the source of mineralization at the two sites. Work carried out in 2009 determined that the Main showing consists of a series of northwest-trending quartz carbonate veins, each up to 1 metre wide, hosted in intensely sericite altered phyllites. The gold appears to be related to arsenopyrite mineralization that ranges from semi-massive, fine-grained fracture fillings to medium-grained disseminations to local clusters of euhedral needles and medium to coarse-grained euhedral pyrite. Malachite staining has been reported suggesting that some of the sulphide may be chalcopyrite. Gold values up to 22.8 g/t gold have been reported from outcrop samples. A 4.27 m chip sample collected across the Main zone and consisting of two quartz arsenopyrite and pyrite veins separated by wall rock assayed 7.7 g/t gold across its length. Gold values up to 1.3 g/t gold have been obtained from mineralized bedrock lacking quartz veins.

While most mineralized veins strike northwest-southeast several sample locations returned veins striking in an east-northeasterly direction. A sample of one of these veins located 600 m north of the Main showing returned an assay of 3.46 g/t gold. The orientation of these veins may prove important in establishing conjugate vein sets controlling mineralization.

Soil sampling carried out in 2009 defined an almost 2 km long northwesterly trend of gold and arsenic mineralization extending from the Main zone. The magnetic and VLF-EM survey response support the orientation of the soil anomaly trend, which has been shown to parallel the majority of known, mineralized quartz veins. Magnetics also identified possible northwesterly-trending structures that appear to mimic the newly observed conjugate vein sets.

Stakeholder Gold carried out detailed soil sampling in 2011 over the entire Culvert claim block. The sample lines were spaced 100 m apart and samples were collected on 50 m stations using a hand auger. The survey returned values of up to 791 ppb gold and increased the size of the anomaly to 250 m wide and 3 km in length. The anomaly (located on the east half of the property), stretches from the south claim boundary, 3 km in a northwesterly direction and is centered over the Main zone. The gold shows various correlations and is sometimes coincident with arsenic, copper and silver. A second narrow gold anomaly roughly 500 m long is outlined in the northeast corner of the western half of the property.

Surface samples collected in 2020 returned 13.27 g/t gold averaged from a total 93 samples. Boulder field composed of multiple parallel gold-bearing quartz "float-trains" linking mineralized outcrop. Trenching returned up to 95 g/t gold over 1.5m. Drilling in 2020 returned high-grade intervals of 86.60 g/t gold over 0.6 m (GC20-16), 10.20 g/t gold over 0.7 m (GC20-15) and 10.31 g/t gold over 1.6 m (GC20-01). The program also returned broader intervals such as 0.64 g/t gold over 18.0 m (GC20-01), 1.10 g/t gold over 9.1 m (GC20-03), 0.73 g/t gold over 14.5 m (GC20-11), 1.2 g/t gold over 7.0 m (GC20-12) and 0.88 g/t gold over 16.4 m (GC20-15).

Work History

Date	Work Type	Comment
8/1/2020	Geochemistry	
8/1/2020	Drilling	17 holes, 3,217 m
8/1/2020	Geochemistry	
8/1/2020	Geochemistry	
8/1/2020	Other	
8/1/2019	Trenching	
8/1/2019	Geochemistry	
8/1/2019	Geology	
8/1/2019	Development, Surface	
8/1/2018	Trenching	
8/1/2018	Geochemistry	
8/1/2018	Drilling	8 holes, 1,350 m
8/1/2018	Geochemistry	
8/1/2018	Development, Surface	
8/1/2011	Other	
8/1/2010	Geochemistry	
8/1/2010	Geochemistry	
8/1/2010	Geochemistry	
8/1/2008	Other	
8/1/2008	Other	
12/13/2018	Studies	NI 43-101 technical report written and published.
12/13/2017	Geochemistry	Stratabound Minerals collected rock samples from various showing for due diligence requirements.
12/13/2011	Geochemistry	Deep auger soil samples collected over entire property.
12/13/2009	Geochemistry	Samples collected over various targets.
12/13/2009	Geochemistry	Grid soil samples north of Main showing, regional sampling on East block of claims.
12/13/2009	Ground Geophysics	VLF-EM and Magnetics.
12/13/2009	Trenching	On Main Showing.
12/13/2008	Geochemistry	Follow-up sampling.
12/13/2008	Geochemistry	Follow-up sampling.
12/13/2008	Geochemistry	Follow-up sampling.
12/13/2008	Other	Prospecting.
12/13/2007	Geochemistry	Further sampling.
12/13/2007	Geochemistry	Further sampling.

12/13/2007	Geochemistry	Further sampling.
12/13/2006	Geochemistry	Preliminary in nature.
12/13/2006	Geochemistry	Preliminary in nature.
12/13/2006	Geochemistry	Preliminary in nature.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097123	2017	Geochemical, Geological, and Geophysical Evaluation of Golden Culvery and Little Hyland Property	Rock - Geochemistry		
095450	2011	Surface Work 2011 on the Culvert Property	Soil - Geochemistry, Prospecting - Other		
095282	2010	2010 Exploration Program on the Little Hyland Project, Tungsten Area, Yukon Territory	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry		
095134	2009	2009 Geochemistry and Geophysics on the Golden Culvert Property Tungsten Area, Yukon Territory	Rock - Geochemistry, Soil - Geochemistry, EM - Ground Geophysics, Magnetics - Ground Geophysics, Line Cutting - Other, Prospecting - Other, Handblast - Trenching		
095129	2008	2008 Prospecting and Sampling Program on the Golden Culvert Property, Tungsten Area, Yukon Territory	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Line Cutting - Other, Prospecting - Other		
094851	2007	2006/2007 Soil and Stream Sediment Sampling Program on the Culvert Property, Tungsten Area, Yukon Territory	Silt - Geochemistry, Soil - Geochemistry		

Related References

Number	Title	Page(s)	Reference Type	Document Type
YEG2005_08	Gold mineralization in the upper Hyland River area: a non-magmatic origin		Yukon Geological Survey	Annual Report Paper
2003-9(D)	Yukon Digital Geology (version 2)		Yukon Geological Survey	Open File (Geological - Bedrock)
2016-36	Bedrock geology of the upper Hyland River area, NTS 105H/8, 9, 10, 15, 16 and 105I/2, southeast Yukon		Yukon Geological Survey	Open File (Geological - Bedrock)
YEG2016_9	Progress report on geological mapping in the upper Hyland River region of southeastern Yukon (parts of NTS 105H/08,09,10,15,16 and 105I/02)	p.163-180.	Yukon Geological Survey	Annual Report Paper
2016-37	Yukon Plutonic Suites		Yukon Geological Survey	Open File (Geological - Bedrock)
09-062	2009 Geochemistry and Geophysics on the Golden Culvert Property Tungsten Area, Yukon Territory		Yukon Government: Energy, Mines and Resources	YMEP Report
09-046	Prospecting and Geochemistry on the Little Hyland River		Yukon Government: Energy, Mines and Resources	YMEP Report

Drill core at YGS core library

Number	Property	Year Drilled	Core Size	Photos	Data
GC18-02	Golden Culvert	2018	NTW	56	1
GC18-03	Golden Culvert	2018	NTW	42	1
GC18-06	Golden Culvert	2018	NTW	34	1