



Occurrence Details

Occurrence Number: 105H 108
Occurrence Name: Justin - Lost Ace
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 12/15/2025 1:06:02 PM

General Information

Secondary Commodities: gold
Aliases: Sun, Rain
Deposit Type(s): Orogenic Au
Location(s): 61°41'47.29" N - -128°9'6.12" W
NTS Mapsheet(s): 105H09
Location Comments: Located approximately 2 kilometers west of Aben's POW (MINFILE 105H 104) zone. The location of this occurrence was taken from figures on Aben's website.
Hand Samples Available: No
Last Reviewed: May 7, 2019

Capsule

Work History

Note: The Lost Ace mineral occurrence was discovered as part of exploration efforts on the Justin property. Refer to MINFILE 105H 045 for the detailed work history on the Justin property prior to 2017 when Aben Resources Ltd. discovered the Lost Ace.

The Lost Ace was discovered during the 2017 exploration program approximately 2 kilometers west of Aben's POW (MINFILE 105H 104) zone where past drill results indicate potential for bulk-tonnage gold mineralization with intercepts reported ranging from trace values to highs of 1.19 g/t Au over 60.0 m (including 2.47 g/t Au over 21.0 m) and 1.49 g/t Au over 46.4 m. Work completed during the 2017 exploration program by Aben included the collection of 21 channel and 3 chip samples from 4 trenches in addition to 13 rock samples, 2 silt samples, 1 bulk soil sample for gold grain analysis and 380 soil samples with coverage totaling 16.8 line-km focusing on the Lost Ace and Confluence (MINFILE 105H 106) zones.

In 2018, Aben focused on the Lost Ace zone and completed in 2018 included the collection of 19 channel and 28 chip samples from 5 trenches, 16 rock samples, 7 till samples and 240 soil samples with coverage totaling 6.0 line-km.

Capsule Geology

The actual occurrence lies approximately 11 km east of the Nahanni Range Road which services North American Tungsten Corporation Ltd's Cantung tungsten mine which is located approximately 30 km to the north. The area lies within the Selwyn Mountains and is underlain by a sequence of Selwyn Basin stratigraphy composed primarily of shallow marine shelf and off-shelf sedimentary rock derived from the ancient North American Platform.

The occurrence area is underlain by a broad package of west-northwest trending, north-northeast dipping coarse grained clastic sediments, siltstones, pyllitic shale, limestone and calcareous siltstone and shale of the Upper Proterozoic to Lower Cambrian Hyland Group. Eagle Plains Resources/Aben Resources have broken the Hyland Group rocks into three subunits, which based on previous work are tentatively assign to the Neoproterozoic Yusezyu Formation. To the north, a northwest-southeast trending fault separates the Hyland Group rocks from a thin to medium bedded limestone unit assigned to the Cambrian to Ordovician Rabbitkettle Formation. Two periods of compressional deformation are recorded in the rocks and the package is bounded to the north and south by inferred lateral to oblique-slip faults in the Sprogge and Dayo Creek valleys. Mid-Cretaceous age quartz monzonite and quartz-biotite monzonite dykes and related veining associated with stocks of the Tombstone Plutonic suite have intruded tensional features related to the inferred faulting.

The Norquest Joint Venture originally discovered copper mineralization consisting of sparsely disseminated chalcopyrite accompanied by fine-grained pyrrhotite in several irregular pods of pyroxene skarn. This discovery area (occurrence location) was later named the Main zone. Grab samples assayed up to 0.46% copper and 0.34 g/t gold. The Lost Ace is described as a quartz vein stockwork zone which are currently interpreted to be interpreted to be orogenic-style mineralization. In 2017, four trenches were completed in the Lost Ace zone. TR17-004 returned 1.44 g/T Au over 5.00 m true thickness, including 2.11 g/T Au over 3.85 m true thickness and 4.77 g/T Au over 1.0 m. The gold-bearing vein system occurs in the hanging wall of a contact zone between a coarse grained gritty sandstone and phyllite.

In 2018 further trenching from the Lost Ace zone reported: 20.8 grams/tonne (g/t) gold (Au) over 4.4 m, including 88.2 g/t gold (Au) over 1.0 m (from TR18-001); TR18-003 returned 0.9 g/t gold (Au) over 1.0 m while three grab samples from a large quartz boulder excavated from the contact zone returned 7.3 g/t Au, 3.9 g/t gold and 4.6 g/t gold respectively; TR18-003 was completed as an extension to TR17-004 which returned 4.7 g/t gold (Au) over 1.0 m. This particular trend of quartz stockwork veining has now been exposed over 8.0 meters.

Work History

Date	Work Type	Comment
12/13/2018	Trenching	
12/13/2018	Geochemistry	
12/13/2018	Geochemistry	
12/13/2018	Geochemistry	
12/13/2017	Geochemistry	
12/13/2017	Geochemistry	

12/13/2017	Geochemistry	
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Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097219	2018	Technical Report for the Geological and Geochemical Program. Justin Property. Yukon Territory.	Rock - Geochemistry, Soil - Geochemistry, Mechanical - Trenching		
097060	2017	2017 Assessment Report for the Geological and Geochemical Investigation of the Justin Property, Yukon Territory	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Backhoe - Trenching		
096714	2014	2014 Assessment Report for the Justin Property	Historical Drill Core - Geochemistry, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Hand - Trenching, Mechanical - Trenching		
096319	2012	2012 Diamond Drilling, Geological, Geophysics and Geochemical Report for the Justin Property and VF Property	Diamond - Drilling, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Metallurgical Tests - Lab Work/Physical Studies	9	1994
095589	2011	2011 Assessment Report on the Hy-Jay Claims	Electromagnetic - Airborne Geophysics, Gamma-Ray Spectrometry - Airborne Geophysics, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
095797	2011	Assessment Report VF Property, Upper Hyland Gold Belt	Electromagnetic - Airborne Geophysics, Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other		
093783	1997	1997 Geological, Geochemical and Trenching Report on the Sprogge 1-74 and Justin 1-25 Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other, Hand - Trenching		

Related References

Number	Title	Page(s)	Reference Type	Document Type
YEG1999 OV	Yukon Mining & Exploration Overview 1999		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG1997	Yukon Exploration and Geology 1997		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG2017 OV3	Yukon Mineral Exploration Program 2017 Update		Yukon Geological Survey	Annual Report Paper
YEG1988 8 9	Yukon Exploration 1988		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG2018 OV3	Yukon Mineral Exploration Program 2018 update		Yukon Geological Survey	Annual Report Paper
YEG2005 0 8	Gold mineralization in the upper Hyland River area: a non-magmatic origin		Yukon Geological Survey	Annual Report Paper
YEG2010 OV	Yukon Exploration and Geology Overview 2010		Yukon Geological Survey	Annual Report
YEG2011 OV	Yukon Exploration and Geology Overview 2011		Yukon Geological Survey	Annual Report
YEG1981	Yukon Exploration and Geology 1981		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG1998	Yukon Exploration and Geology 1998		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
ARMC0081 42	Heavy mineral sampling map - NTS 105H-9 - MacMillan project - Anmac		Property File Collection	Geochemical Map
YEG1987 OV	1987 Yukon Mining and Exploration Overview		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report
YEG2012 OV	Yukon Exploration and Geology Overview 2012		Yukon Geological Survey	Annual Report
YEG2014 OV4	Yukon Mineral Exploration Program: 2014-2015 Update		Yukon Geological Survey	Annual Report Paper