



Occurrence Details

Occurrence Number: 105M 052
Occurrence Name: Granite North Zone
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 4/29/2025 2:21:22 AM

General Information

Primary Commodities: gold, silver
Aliases: Mt Hinton
Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au
Location(s): 63°52'38" N - -135°7'19" W
NTS Mapsheet(s): 105M14
Location Comments: location from AR097367 and satellite imagery
Hand Samples Available: Yes
Last Reviewed:

Capsule

Exploration History

Originally staked as Bell, Lill, Shugar, etc cl (13255) in Jun/20 by R. McNeill, J. Dorbolo, C. Brefalt and others, who carried out hand trenching. Restaked as Bullion, etc cl (55179) in Aug/40 by T.W. Erickson and C. Brefault, who carried out hand trenching and drove a 37 m adit in the cirque face at the head of McNeil Gulch (the location for this occurrence) in 1941.

Following the release of results of the Operation Keno sampling program carried out by the Geological Survey of Canada, United Keno Hill Mines Ltd (UKHM) staked T cl 1-6, V cl 1-8 and U cl 1-6 (84328) contiguously to the south of Erickson's claims in Mar/65. The company subsequently staked T cl 7-35 (84524) and carried out geological mapping and geochemical sampling in Aug/65. In 1966, the company staked T cl 36-173 and Vu cl 174-191 (Y6111) in April; staked T cl 176-191 in July; carried out geological mapping and geochemical sampling from July to September; staked T cl 192-220 (Y6403) in August; and optioned the Erickson claims at the end of the field season.

UKHM restaked the Erickson claims as more T cl (Y6977) in Oct/67; carried out soil sampling, hand trenching, overburden drilling, and 8 m of shafting on the 21 Vein (the location of this occurrence) in 1966-68; staked TV cl 1-84 (YA40408) to surround the T claims in Aug/79; drilled 74 percussion holes (1 779.7 m) on the 5 Vein (the location of this occurrence) in 1980; and carried out 48 m of cross-cutting and 49 m of drifting on the 19 Vein in 1984.

The W cl 1 (YA40325) was fringed staked to the west in Jul/79 by Beaverdel Silver Syndicate and optioned to Canada Tungsten Mining Corporation Ltd, which carried out geological mapping and geochemical sampling later in the year. K. Klippert staked Adam cl 1-18 (YB65184) to the north in Jan/96.

In Feb/98 the Hinton Group, a private syndicate, restaked location of the occurrence as Hinton cl 1-18, location as Hinton cl 19-30 and location as Hinton cl 31-34 (YC00401). The syndicate then staked Hinton V cl 1-7 and Hinton IV cl 1-6 (YC01417) in Sep/98, midway between this occurrence and Minfile Occurrence #105M 070 to the east and 2 km south of the location of this occurrence, respectively.

In 2002 the UKHM claims (T, V, U, etc) on Mount Hinton were allowed to lapse and were restaked by the Hinton Group as Key cl 1-18, 27-82, 89-92 and 100-104 (YC10609) in Aug/2002. The syndicate then optioned all of their claims in the area to Yukon Gold Corporation Ltd. Yukon Gold immediately carried prospecting, limited hand trenching and resampling of old workings, minor bulldozer trenching, excavator trenching and road building. In 2003, the company carried out excavator trenching, road building, geological mapping, geochemical sampling and staked Red cl 1-9 (YC10948) contiguously to the northeast in Sep/2003.

Capsule Geology

As many as fifty northeast-trending veins have been found in the area and consist of well mineralized gold and silver bearing quartz vein bedrock or float occurrences, hosted by dilatent fault or shear zones. The most important vein occurrences, discovered to date, are confined to a 300 m wide by 3.4 km long belt that coincides with arcuate trend of the cirque face that forms the headwall of McNeil Gulch. The veins range in length from 30 to 600 m and occur mainly at contacts between Mississippian aged Keno Hill Quartzite and Triassic aged greenstone sills, and in the footwall of bedding faults marked by graphitic schist. The veins are typically narrow (less than 1 m) and are mineralized with arsenopyrite, galena, jamesonite, pyrite, sphalerite, siderite and gold in quartz gangue. The ore shoots are structurally controlled and are typically short and erratic. Mineralogy indicates some zoning, with base metals more abundant at lower elevations. Individual specimens assay up to 693 g/t Au and 8 959 g/t Ag.

The 1980 drilling was directed toward a longitudinal-type vein 3 to 6 m wide that has been traced for a length of 600 m, and which was reportedly missed by the 1941 adit.

The shaft on the 21 Vein outlined 119.1 tonnes of ore per vertical metre grading 41.1 g/t Au and 627.4 g/t Ag. The 1984 drifting returned disappointing results with all analysis returning less than 100 g/t Ag and 0.69 g/t Au.

Excavator trenching carried out in 2003 to expose various targets in the area, facilitated detailed channel sampling, over limited strike lengths, of four veins. The 19 Vein was exposed and sampled over 24 m and returned an average value of 6.51 g/t Au and 68.57 g/t Ag over an average width of 170 cm; the 21 Vein was exposed for a length of 22 m and sampling returned 42.5 g/t Au with 319 g/t Ag across an average width of 105 cm; the 24 Vein was exposed over 24 m and sampling returned an average of 17.5 g/t Au with 1 546 g/t Ag over a 49 cm average width; and the 42 Vein was exposed over 12 m and returned an average of 23.31 g/ Au with 237 g/t Ag over an average width of 27 cm.

Work History

Date	Work Type	Comment
7/1/2020	Geochemistry	
7/1/2020	Drilling	26 holes, 4,325.02 m
7/1/2020	Trenching	
12/31/2003	Geology	
12/31/2003	Development, Surface	
12/31/2003	Trenching	
12/31/2002	Development, Surface	

12/31/2002	Trenching	
12/31/2002	Trenching	
12/31/2002	Other	
12/31/1984	Other	Amount of work done: 97 METRES 48 meters of cross-cutting and 49 meters of drifting on the 19 Vein.
12/31/1980	Drilling	Number of holes drilled: 74 Amount of work done: 1780 METRES On the 5 Vein occurrence.
12/31/1968	Geochemistry	
12/31/1968	Trenching	
12/31/1968	Other	
12/31/1967	Geochemistry	
12/31/1967	Trenching	
12/31/1967	Other	
12/31/1966	Geochemistry	
12/31/1966	Trenching	
12/31/1966	Other	
12/31/1941	Trenching	
12/31/1941	Other	Amount of work done: 37 METRES An adit was driven on the northeast occurrence.
12/31/1920	Trenching	
12/31/1920	Other	
12/13/2019	Airphotography	
12/13/2019	Geochemistry	
12/13/2019	Geology	
12/13/2019	Geochemistry	
12/13/2019	Trenching	
12/13/2019	Remote Sensing	
12/13/2018	Geochemistry	
12/13/2018	Geochemistry	
12/13/2011	Drilling	
12/13/2011	Geochemistry	
12/13/2010	Geochemistry	
12/13/2007	Airborne Geophysics	
12/13/2007	Airborne Geophysics	
12/13/2006	Airphotography	
12/13/2006	Airphotography	
12/13/2006	Airborne Geophysics	
12/13/2006	Airborne Geophysics	
12/13/2006	Pre-existing Data	
12/13/2006	Remote Sensing	
12/13/2003	Geochemistry	
12/13/2003	Geochemistry	
12/13/2003	Trenching	
12/13/2003	Geology	
12/13/2002	Geochemistry	
12/13/1982	Pre-existing Data	
12/13/1982	Geochemistry	
12/13/1982	Geology	
12/13/1982	Geochemistry	

12/13/1982	Geochemistry	
12/13/1982	Geology	
12/13/1982	Other	
12/13/1980	Geochemistry	
12/13/1980	Geology	
12/13/1980	Geochemistry	
12/13/1980	Geochemistry	
12/13/1980	Other	
12/13/1968	Geochemistry	
12/13/1968	Geology	
12/13/1968	Trenching	
12/13/1966	Geochemistry	
12/13/1966	Trenching	
12/13/1966	Geology	
12/13/1966	Airphotography	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097237	2018	Assessment Report describing Soil Geochemical Sampling and Prospecting	Rock - Geochemistry, Soil - Geochemistry		
095722	2011	Reverse Circulation Percussion Drilling and Soil Geochemical Sampling at the Mount Hinton Property	Percussion - Drilling, Soil - Geochemistry	47	2071.73
095613	2007	Assessment Report Describing VTEM Geophysical Surveys at the Mount Hinton Property	Electromagnetic - Airborne Geophysics, VTEM - Airborne Geophysics		
095602	2006	Assessment Report Describing 2006 Sampling, Road Building and Excavator Trenching on the Mount Hinton Property	All Weather Road - Development, Surface, Reclamation - Development, Surface, Reverse Circulation - Drilling, Drill Cuttings - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Mechanical - Trenching	2	45.70
094943	2006	2006 Geological, Aerial Photography and Orthophoto Assessment Report on the Keno Hill Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Interpretation - Airphotography, Orthophoto - Airphotography, Digitizing Data - Pre-existing Data, Photogrammetry - Remote Sensing		
094439	2003	2003 Geological Surveys, Geochemical Sampling and Excavator Trenching on the Mount Hinton Property	All Weather Road - Development, Surface, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Detailed Bedrock Mapping - Geology, Hand - Trenching, Mechanical - Trenching		
094438	2002	2002 Reconnaissance Exploration Program-Mt. Hinton Property, Yukon Territory	Interpretation - Airphotography, All Weather Road - Development, Surface, Rock - Geochemistry, Prospecting - Other, Mechanical - Trenching		
091633	1984	Report on the Mount Hinton Area-1984	All Weather Road - Development, Surface, Shaft Development - Development, Underground, Percussion - Drilling, Drill Cuttings - Geochemistry, Rock - Geochemistry, Detailed Bedrock Mapping - Geology, Research/Summarize - Pre-existing Data	5	40.84
091386	1982	Geological and Geochemical Report on the BE Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Detailed Bedrock Mapping - Geology, Prospecting - Other, Data Compilation - Pre-existing Data		
090782	1980	Geological and Geochemical Report on the BE Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
019031	1968	Report on the 1969 Exploration Program on the McNeill Gulch Area	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Detailed Bedrock Mapping - Geology, Prospecting - Other, Hand - Trenching, Handblast - Trenching, Mechanical - Trenching		
019030	1966	Geological and Geochemical Report on the T 36-220 and VU 174-191 Mineral Claims	Interpretation - Airphotography, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other, Hand - Trenching, Handblast - Trenching		