



Occurrence Details

Occurrence Number: 105P 001

Occurrence Name: Mehitabel

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 12/16/2025 2:50:06 AM

General Information

Secondary Commodities: gold

Deposit Type(s): Skarn Cu

Location(s): 63°26'54" N - -129°57'26" W

NTS Mapsheet(s): 105P05

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Originally staked as Mehitabel cl (Y33451) in Aug/70 by Panoche Mining Company Ltd, a subsidiary of Cyprus Mining Corporation. The occurrence straddles the border between Yukon and Northwest Territories (NWT) just north of the headwaters of the Hess River.

Restaked as Num cl 6-11 (YA77575) in Sep/82 by a joint venture between Amax Northwest Mining Company Ltd and Canada Tungsten Mining Corporation. The joint venture partners carried out geological mapping and geochemical sampling in 1982; magnetometer surveying in 1983; and enlarged the claim block in Jul/84. No report(s) of this or previous work in the area could be located within either the Yukon Mineral Assessment Report Index or the Mineral Showing Database for the NWT.

Restaked as Hit cl 1-8 (YC01393) in Sep/98 by Eagle Plains Resources Ltd, subsequent to carrying out geochemical sampling in the area. The company carried out prospecting and geochemical rock, silt and soil sampling in Jul/99, before staking Hit cl 9-30 (YC01879) and drilling two holes (182.6 m) in Aug/99 on Hit cl 6.

Capsule Geology

The area is underlain by interbedded Ordovician to mostly Devonian Road River Group thin bedded silty limestone and limestone, shale, minor chert and mudstone and Cambrian to Lower Ordovician siliceous shale with minor limestone. A roughly 2.5 by 2 km stock and a number of smaller satellite bodies of mid-Cretaceous aged granodiorite have intruded the sedimentary units causing extensive hornfelsing and widespread development of calc-silicate skarn and lesser magnetite skarn. Chalcopyrite and pyrrhotite with traces of molybdenite and scheelite occur within skarn zones developed within the more calcareous units.

Work in the area has identified four mineralized showings:

- 1) The Discovery zone, at the occurrence location marker, consists of a small skarn pod containing massive sulfide mineralization. Sampling of talus fines downslope of this showing returned up to 1 097 ppb Au.
- 2) The Ridge zone, 1.4 km south-southeast of the Discovery zone, where talus sampling returned 1.3 g/t Au over 6 m.
- 3) The McDame zone, 1.2 km northeast of the Discovery zone on the north flank of the main stock, where soil sampling delineated a 150 m long gold-arsenic anomaly with peak values of 1 455 ppb Au and 1 570 ppm As. A sample of granodiorite float cut by a narrow calcite-arsenopyrite vein returned 2 506 ppb Au.
- 4) The Gully zone, 1.75 km east of the Discovery zone on the east-northeast flank of the main stock, consists of fine grained disseminated arsenopyrite in calcareous siltstone. Sampling of the showing in 1998 returned a weighted average of 7.85 g/t Au over 7 m. Followup sampling showed that the mineralization within the favourable horizon pinches out up-dip away from the intrusive stock. Drilling in 1999 intersected the favourable horizon 30 m along strike to the northwest from the showing, where the best result was 2 566 ppb Au over a 0.9 m interval of pyrrhotitic brecciated calcareous siltstone cut by carbonate veins.

References

ABBOTT, J.G., 1983. Geology of the MacMillan Fold Belt (parts of NTS 105 O/8, 105 P/5), 1:50 000 scale. Exploration and Geological Services Division, Indian and Northern Affairs Canada, Open File 1983-1.

ARCHER, CATHRO and ASSOCIATES LTD, 1972. Northern Cordillera Mineral Inventory.

EAGLE PLAINS RESOURCES LTD, Dec/99. Assessment Report #094056 by B. Kreft.

GORDEY, S.P. and MAKEPEACE, A.J., 1999. Yukon digital geology, S.P. Gordey and A.J. Makepeace (comp.); Geological Survey of Canada, Open file D3826 and Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1999-1(D).

YUKON EXPLORATION 1984, p. 143.

Work History

Date	Work Type	Comment
12/31/1999	Geochemistry	Also silt and soil sampling carried out.
12/31/1999	Drilling	Two holes, 182.6 m.
12/31/1999	Other	
12/31/1983	Ground Geophysics	
12/31/1982	Geology	

12/31/1982	Geochemistry	Also rock sampling.
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Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095779	2011	2011 Assessment Report for the Hit Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Petrographic - Lab Work/Physical Studies		
095677	2010	Geological and Geochemical Report for the Hit Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other		
094950	2007	2006 Geological Report for the Hit Property	Soil - Geochemistry		
094056	1999	Assessment Report on Hit 1-30 Quartz Claims	Diamond - Drilling, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry	2	182.60

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC010160	Drainage geochemical map - Tungsten - Mehitabel claims - Hess River area		Property File Collection	Geochemical Map
ARMC010161	Drainage geochemical map - Manganese - Mehitabel claims - Hess River area		Property File Collection	Geochemical Map
ARMC010163	Drainage geochemical map - Lead - Mehitabel claims - Hess River area		Property File Collection	Geochemical Map
ARMC010164	Drainage geochemical map - Zinc - Mehitabel claims - Hess River area		Property File Collection	Geochemical Map
ARMC010165	Drainage geochemical map - Copper - Mehitabel claims - Hess River area		Property File Collection	Geochemical Map
ARMC010173	Claims plan map - Mehitabel claims - Hess River area		Property File Collection	Geoscience Map (General)
ARMC010174	Geology map - Mehitabel claims - Hess River area		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC010162	Drainage geochemical map - Molybdenum - Mehitabel claims - Hess River area		Property File Collection	Geochemical Map
ARMC015576	Geological and geochemical report on the Mehitabel claims No. 1-38 incl.		Property File Collection	Report
ARMC014916	NTS sheet 1050 - Niddy Lake with Tom claim notations		Property File Collection	Geoscience Map (General)
ARMC014915	Property submission - Tom claim group		Property File Collection	Report
ARMC015577	A report on the Hess project - Mehitabel claim group - Yukon-NWT border		Property File Collection	Report
ARMC015575	A report on the Mehitabel claim group - Hess River area, Yukon & NWT		Property File Collection	Report
ARMC016441	Geochemical samples map overlay of 105P/5		Property File Collection	Geochemical Map