



Occurrence Details

Occurrence Number: 106D 019

Occurrence Name: Gwaihir

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 8/5/2025 6:35:03 PM

General Information

Secondary Commodities: copper, lead, molybdenum, tungsten, zinc

Deposit Type(s): Porphyry W

Location(s): 64°3'2" N - -135°34'53" W

NTS Mapsheet(s): 106D04

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Partly staked within Erin cl 1-184 (Y32291) in Mar/69 by United Keno Hill Mines Ltd. Restaked as Gwaihir cl 1-24 (Y56079) in Jul/71 by a joint venture between Standard Oil Company of British Columbia Ltd and Canada Tungsten Mining Company Ltd, which bulldozer trenched later in the year.

Restaked within Hit cl 1-96 (YA39657) in Apr/79 by Amax of Canada Ltd, which performed mapping, a geochem survey and sampling of the 1971 trenches.

Restaked in Aug/91 as Tag cl 1-24 (YB19366) for HRC Development Corporation, which prospected briefly in 1992. HRC performed a geological and geochemical survey on the Tag claims in 1992, added the Tag 25-40 cl (YB22327) in Jul/93, and prospected and sampled in Aug/93. In Jul/94 HRC carried out further prospecting and rock and soil sampling on the claims. One year later HRC trenched and sampled over the soil sample anomalies identified in 1994. The work was carried out in the southeast corner of the claim block in an area centered around Minfile Occurrence #106D 018. In Mar/97 HRC staked Elk cl 1-12 (YB80891) 3 km to the west.

Capsule Geology

The area has not yet been remapped by the Yukon Geological Survey however C. Roots (1997) of the Geological Survey of Canada under contract with the Exploration and Geological Services Division (now part of the Yukon Geological Survey) remapped topographic map sheet 105M located directly to the south in the mid-1990's. In 2003 Gordey and Makepeace released a geological compilation of the Yukon which covered this area.

According to Gordey and Makepeace the area is underlain by a sequence of Devonian to Mississippian Earn Group metasedimentary rocks and Early Carboniferous Keno Hill quartzite which have been intruded by the Cretaceous Gwaihir stock. The rocks have been deformed by metamorphism, folding, thrusting and other forces and numerous Triassic gabbroic sills occur in the area. The occurrence covers the contact between the Gwaihir stock and Earn Group rocks and Keno Hill quartzite.

Geochemical sampling by the Geological Survey of Canada in 1964 (Operation Keno) showed anomalous tungsten values in this vicinity. Prospecting showed that scheelite occurs in a quartz stockwork within the Qwaihir stock, a small Cretaceous equigranular, medium to coarse grained granite to granodiorite stock assigned to the Selwyn Plutonic Suite. The stock intrudes a sequence of Middle to Late Devonian schist assigned to the Earn Group and Early Carboniferous quartzite assigned to the Keno Hill quartzite. Numerous Triassic altered gabbro dykes are reported in the area.

Scheelite occurs primarily in milky quartz veins and quartz-amphibole veins but is also found on dry fractures and disseminated between fractures. Manganese staining is locally intense and traces of pyrite, chalcopyrite, covellite, wolframite, molybdenite, galena and sphalerite are also present. Average grades are less than 0.02% tungsten oxide (WO₃) and the highest grade obtained from trench sampling was 0.14% tungsten oxide across 15 m.

The Tag claims were staked to explore for 'Fort Knox' type intrusion-hosted gold mineralization. The majority of previously collected rock samples came from four old trenches on the property. The 1994 program concentrated on sampling the surrounding ridges and felsenmeer exposures of granite located throughout the claim block. Soil samples were collected from a grid established in the southern third of the claim block.

After three years of sampling, rock samples returned up to 273 ppb gold, while soil samples returned up to 485 ppb gold. None of the anomalies was judged large enough to be of economic interest.

References

AMAX OF CANADA LTD, Jan/80. Assessment Report #090560 by R.G. Kidlark.

GEOLOGICAL SURVEY OF CANADA, Map 52-1965.

GORDEY, S.P. AND MAKEPEACE, A.J. 2003: Yukon Digital Geology, version 2.0, S.P. Gordey and A.J. Makepeace (comp); Geological Survey of Canada, Open File 1749 and Yukon Geological Survey, Open File 2003-9 (D).

HRC DEVELOPMENT CORP., Mar/93. Assessment Report #093079 by R.A. Doherty.

HRC DEVELOPMENT CORP., Sep/93. Assessment Report #093133 by R.A. Doherty.

HRC DEVELOPMENT CORP., Oct/94. Assessment Report #093237 by R.A. Doherty.

HRC DEVELOPMENT CORP., Mar/96. Assessment Report #093383 by R.A. Doherty.

ROOTS, C. 1990. Geology of 106D/8 and 106D/7 (east half) map area; Exploration and Geological Services Division, Yukon, Indian and Northern Affairs, Canada, Open File 1990-3.

ROOTS, C.F., 1997. Bedrock geology of Mayo area, central Yukon (105M). Exploration and Geological Services Division, Indian and Northern Affairs Canada, Geoscience Map 1997-1, 1:50 000 scale.

ROOTS, C.F., 1997. Geology of the Mayo Map Area, Yukon Territory (105M). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Bulletin 7, 82p.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 238.

Work History

Date	Work Type	Comment
12/31/1995	Geochemistry	
12/31/1995	Geochemistry	
12/31/1995	Trenching	
12/31/1994	Geochemistry	
12/31/1994	Other	
12/31/1994	Other	
12/31/1993	Other	
12/31/1993	Other	
12/31/1992	Geology	
12/31/1992	Other	
12/31/1979	Geology	
12/31/1979	Geochemistry	
12/31/1979	Geochemistry	
12/31/1979	Other	Old 1971 trenches resampled and mapped.
12/31/1971	Trenching	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097130	2017	Assessment Report on the VBW Claims: Geological, Geochemical and Remote Sensing Exploration Program - 2017	Magnetic - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, LIDAR - Remote Sensing		
096246	2012	2011 Dublin Gulch Exploration, Drilling, Regional Surface Sampling, Engineering and Environmental Programs	Diamond - Drilling, Diamond - Drilling, Reverse Circulation - Drilling, Reverse Circulation - Drilling, Drill Core - Geochemistry, Drill Core - Geochemistry, Drill Cuttings - Geochemistry, Drill Cuttings - Geochemistry, Rock - Geochemistry, Rock - Geochemistry, Regional Bedrock Mapping - Geology, Regional Bedrock Mapping - Geology, Bulk Sample - Lab Work/Physical Studies, Bulk Sample - Lab Work/Physical Studies, Environmental Assessment/Impact - Studies, Environmental Assessment/Impact - Studies, Geotechnical - Studies, Geotechnical - Studies, Backhoe - Trenching, Backhoe - Trenching	268	35882.36
096209	2010	2010 Dublin Gulch Exploration Geology Program	All Weather Road - Development, Surface, Auger - Drilling, Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Tailings - Geochemistry, Water - Geochemistry, Bulk Sample - Lab Work/Physical Studies, Prospecting - Other, Environmental Assessment/Impact - Studies, Geotechnical - Studies	84	11072.39
095592	2006	2006 Dublin Gulch Exploration Program	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Hand - Trenching	10	4281.51
094788	2004	2004 [Dublin Gulch] Geophysical Survey	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		
094768	2003	Geochemical and Prospecting Report on the Hla Hla 1-14, Neera 1-2 Claims	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other, Hand - Trenching, Handblast - Trenching		
093987	1998	Digital Topography, Landsat, and Colour Air Photo Survey over the Clark Claims]	Orthophoto - Airphotography, Rock - Geochemistry, Landsat - Remote Sensing		
093133	1993	Assessment Report on the Tag 1-40 Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Prospecting - Other		
090915	1981	1981 Exploration Program, Dublin Gulch	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other, Mechanical - Trenching		
090564	1979	Geological, Geochemical, and Geophysical Report	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Seismic - Ground Geophysics, Research/Summarize - Pre-existing Data		
090560	1979	Geological and Geochemical Assessment Report	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
060724	1969	Geological and Geochemical Report on the Erin 1 to 28 and 31 to 189 Mineral Claims	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		

017463	1963	Report on the Geology of the Bob Group, Mineral Claims	Interpretation - Airphotography, Bedrock Mapping - Geology, Cursory Property Visit - Other		
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