



Occurrence Details

Occurrence Number: 105D 189

Occurrence Name: Byng - Trophy Zone

Occurrence Type: Hard-rock

Status: Showing

Date printed: 6/6/2025 3:36:08 AM

General Information

Secondary Commodities: copper, gold, silver

Aliases: Byng

Deposit Type(s): Vein Au-Quartz

Location(s): 60°54'40" N - -134°19'46" W

NTS Mapsheet(s): 105D16

Location Comments: Location from map in AR 097225

Hand Samples Available: Yes

Last Reviewed:

Capsule

Work History

In 1985 Beavon Consultants Ltd staked Byng cl 97-102 (YA93661) east of Mt Byng. The claims were part of a larger block (Byng cl 1-95, YA93565) staked 3 km to the south at the same time. Beavon carried out geological mapping and rock, silt and soil samples on the six claims in 1986.

In Jun/95 L. Carlyle explored the area as part of a work program carried out on the neighbouring BM claims. In Aug/95 Carlyle restaked the occurrence as BC cl 1-20 (YB58113). The claim group covered the southeast corner of Carlyle's BM claims which had lapsed the previous month. Carlyle carried out grid soil sampling, magnetometer surveying and geological mapping on the BC claim block in Aug/96 and fill-in grid soil sampling of the R zone in 1998.

Capsule Geology

The BC claim block is underlain by a package of Middle Triassic Joe Mountain Formation volcanics and Upper Triassic Lewes River Group sedimentary rocks. The package is intruded by mid-Cretaceous Mt Byng felsite to the northwest and M&Clintock Lakes Granite to the southeast. Mid-Cretaceous rhyolite dykes belonging to Byng Creek volcanics crosscut all of the units.

Beavon Consultants Ltd staked the six Byng claims to follow up geochemical anomalies reported by AGIP Canada and Dupont Canada on neighbouring properties in 1981. Beavon mapped and sampled their Byng claims but the results were never released.

Carlyle staked the BC claims to cover the R zone and Creek showing, two showings discovered while working on his neighbouring BM claim block. The R zone, consists of a distinctive ridge of brecciated Joe Mountain Volcanics which has been cut by rhyolite dykes and intruded by Mt. Byng felsite. Strong arsenopyrite mineralization occurs in the carbonate-epidote matrix of the breccia located in the northeast corner of the ridge. This mineralization is also associated with elevated levels of Au, Cu, and Mo. Previous work on the R Zone has demonstrated the existence of north trending geochemical and VLF anomalies along the ridge.

The Creek Zone consists of disseminated arsenopyrite mineralization (up to 1%) in bleached and silicified shale (siltstone). The mineralization is associated with a northeast striking fault which runs between two larger north striking faults located on the east flank of Mt. Byng. The mineralization extends 300-500 m down a creek which parallels the northeast fault, where it is cut by 3 or 4 large (~10 m thick) east-west striking rhyolite, quartz-feldspar porphyry and tourmaline diorite (syenite ?) dykes.

Contour and grid soil sampling and stream sediment samples collected in 1995, 1996 and 1998 returned several Au, As, Cu and Mo spot and two station anomalies in the general vicinity of the R zone. The 1996 magnetometer surveying identified several magnetic anomalies coincident with anomalous geochemical values, while the 1998 sampling extended the size of the R zone.

References

BEAVON CONSULTANTS LTD, Nov/86. Assessment Report #091873 by R.A. Doherty.

CARLYLE, L.W., Oct/96. Assessment Report #093544 by L.W. Carlyle.

CARLYLE, L.W., Dec/95. Assessment Report #093545 by L.W. Carlyle.

CARLYLE, L.W., Oct/96. Assessment Report #093566 by L.W. Carlyle.

CARLYLE, L.W., Nov/98. Assessment Report #093906 by L.W. Carlyle.

HART, C.J.R., 1997. Geology of Mount M&Clintock map area, southern Yukon, (NTS 105D/16), 1:50,000-scale. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Geoscience Map 1997-7.

HART, C.J.R., 1997. A Transect Across Stikinia: Geology of the Northern Whitehorse Map Area (105D/13-16). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Bulletin 8, 112p.

YUKON EXPLORATION AND GEOLOGY 1982, p. 114, 117.

YUKON EXPLORATION 1985-86, p. 171-172, 209.

Work History

Date	Work Type	Comment
6/1/2018	Geochemistry	
6/1/2018	Geology	
6/1/2018	Geochemistry	

6/1/2018	Other	
6/1/2015	Remote Sensing	
6/1/1998	Other	
6/1/1995	Trenching	
6/1/1995	Geochemistry	
6/1/1990	Geochemistry	
6/1/1990	Geochemistry	
6/1/1990	Ground Geophysics	
6/1/1990	Ground Geophysics	
6/1/1988	Trenching	
6/1/1988	Geochemistry	
6/1/1988	Geology	
6/1/1988	Geochemistry	
6/1/1988	Ground Geophysics	
6/1/1988	Ground Geophysics	
12/31/1998	Geochemistry	
12/31/1996	Geology	
12/31/1996	Geochemistry	
12/31/1996	Ground Geophysics	
12/31/1995	Other	Carlyle prospected occurrence area, before restaking it.
12/31/1986	Geochemistry	Also silt and soil sampling.
12/31/1986	Geology	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097225	2018	Assessment Report Describing Geological Mapping, Prospecting and Soil Geochemical Sampling	Rock - Geochemistry, Soil - Geochemistry		
093906	1998	1998 Work Program on Mt. Byng Property	Soil - Geochemistry		
092714	1988	Assessment Report on the BM Claims 1 to 43	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetism - Ground Geophysics, Backhoe - Trenching		

Related References

Number	Title	Page(s)	Reference Type	Document Type
98-012	1998 Work Program on Mt. Byng Property		Yukon Government: Energy, Mines and Resources	YMEP Report