



## Occurrence Details

**Occurrence Number:** 105C 036  
**Occurrence Name:** Mulligan  
**Occurrence Type:** Hard-rock  
**Status:** Prospect  
**Date printed:** 6/16/2025 1:54:04 PM

## General Information

**Secondary Commodities:** gold, silver, tin, tungsten  
**Deposit Type(s):** Skarn W  
**Location(s):** 60°21'28" N - -132°4'3" W  
**NTS Mapsheet(s):** 105C08  
**Location Comments:** 1 Kilometres  
**Hand Samples Available:** No  
**Last Reviewed:**

### Capsule

#### Work History

Mineralization was first noted in this vicinity by the GSC about 1953. Staked as DB cl (YA34420) in Jun/78 by Klinkit JV (DuPont of Can EL & Duval Corp), which performed mapping and geochem sampling later in 1978 and trenching in 1979.  
Restaked as FF cl (YA67170) in Jun/81 by DC Synd (Cominco & Dome), which performed mapping and geochem sampling in 1981 and 1982, mag surveys in 1982 and 1983 and 2 holes (282 m) in 1984.  
Restaked as Mul cl 1-4 (YB84643) by H. Hibbing in Jun/96.

#### Capsule Geology

The showing, reported by the GSC, consisted of pyrite, base-metals and a little gold and silver associated with rusty garnet-amphibole-epidote skarn. This is presumably part of a zone discovered in 1981 that consists of small pods (up to 2 m by 7 m) of pyrrhotite, chalcopyrite, arsenopyrite and sphalerite in a large skarn zone carrying low tin and tungsten values. The skarn has formed in Mississippian limestone at the margin of the Cretaceous Hake Stock and measures 700 m long and up to 11.7 m thick. Preliminary sampling gave assays in the 0.06 to 0.1% WO<sub>3</sub> and 0.1 to 0.2% Sn ranges. Mineralization is hosted by garnet-epidote-magnetite skarn that occurs at the base of the limestone unit. It is underlain, in turn, by a siltstone, tuff and agglomerate sequence and a porphyritic volcanic flow. The entire sequence may be overturned.  
The 1984 drilling tested a thick flat-lying zone and intersected widely-separated sections of magnetite containing rare chalcopyrite and abundant pyrite. The magnetite-rich intersections averaged 0.05% Sn, 1.2 g/t Ag and less than 1.08 g/t Au. Another skarn horizon at a higher stratigraphic level assayed 0.36% Sn over 1.1 m.

#### References

DC SYNDICATE, Oct/82. Assessment Report \*#091371 by J.C. Stephen and M.P. Webster.  
  
DC SYNDICATE, 1982. Assessment Report \*#090993 by J.C. Stephen.  
  
DC SYNDICATE, Sep/83. Assessment Report \*#091485 by J.C. Stephen and H. Awmack.  
  
DOME EXPLORATION (CANADA) LTD, Jul/84. Assessment Report \*#091547 by J.C. Stephen.  
  
GEOLOGICAL SURVEY OF CANADA, Memoir 326, p. 68.  
  
MINERAL INDUSTRY REPORT 1978, p. 59.  
  
YUKON EXPLORATION AND GEOLOGY 1981, p. 110; 1982, p. 107-108; 1983, p. 154; 1984, p. 62.

### Work History

Date	Work Type	Comment
12/31/1984	Drilling	Two holes, 282 m.
12/31/1983	Ground Geophysics	
12/31/1981	Geochemistry	
12/31/1981	Geology	
12/31/1979	Trenching	
12/31/1978	Geology	
12/31/1978	Geochemistry	
12/13/1981	Ground Geophysics	Test survey.

### Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
<a href="#">097271</a>	2018	2018 Assessment Report: Airborne VTEM and Magnetic Survey , McCleery Property	Magnetic - Airborne Geophysics, VTEM - Airborne Geophysics		
<a href="#">091485</a>	1983	Geophysical Geological Report on the FF 1-46 Mineral Claims	Rock - Geochemistry, Bedrock Mapping - Geology, Magnetics - Ground Geophysics		
<a href="#">091371</a>	1983	Geological, Geophysical and Geochemical Report on the F.F. Claims Group	Rock - Geochemistry, Bedrock Mapping - Geology, Magnetics - Ground Geophysics		
<a href="#">090993</a>	1981	Geological & Sampling Report on the FF 1-18 Mineral Claims	Rock - Geochemistry, Bedrock Mapping - Geology		