



Occurrence Details

Occurrence Number: 105F 079
Occurrence Name: Murphy
Occurrence Type: Hard-rock
Status: Showing
Date printed: 4/29/2025 10:48:44 AM

General Information

Secondary Commodities: copper, tungsten, uranium
Deposit Type(s): Porphyry Cu-Mo-Au
Location(s): 61°0'10" N - -133°34'21" W
NTS Mapsheet(s): 105F04
Location Comments: 1 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Murphy cl (YA4190) in April, 1976 by Ukon JV (Chevron and Kerr Addison), which explored with mapping, soil sampling and radiometric surveys in 1976 and 1977. Restaked as MMM cl (YA51065) in Aug/80 by Amoco Can Pet CL, which performed mapping and geochem sampling later in the year.

Capsule Geology

The claims cover a gossaned area underlain by a Cretaceous granitic batholith. The gossan is caused by disseminated pyrite in an area of weak fracturing and quartz veining mineralized with minor molybdenite, malachite and a trace of scheelite. Ground radiometric surveys located two adjacent zones of anomalous radioactivity associated with biotite-rich patches. Minor uranium occurs as secondary yellow and green oxides coating leached cavities in the granite. Assays of strongly radioactive specimens ranged from 0.05 to 0.23% U3O8. Coincident molybdenum, copper and tungsten anomalies occur in an area about 400 m by 1200 m. Amoco located two molybdenum soil anomalies, one 1200 by 400 m and open to the north, and another 300 by 200 m and open to the west. Both anomalies are associated with pyritic intrusive rocks.

References

AMOCO CANADA PETROLEUM CO. LTD, Feb/81. Assessment Report #090806 by P. Brown.

MINERAL INDUSTRY REPORT 1976, p. 148-149; 1978, p. 33.

UKON JOINT VENTURE, 1976. Assessment Report *#090179 by A.R. Archer and E.P. Onasick.

UKON JOINT VENTURE, Apr/78. Assessment Report #090342 by A.R. Archer.

YUKON EXPLORATION & GEOLOGY 1981, p. 129.

Work History		
Date	Work Type	Comment
12/31/1980	Geology	
12/31/1980	Geochemistry	Reconnaissance scale.
12/31/1980	Other	
12/31/1978	Ground Geophysics	
12/31/1978	Geochemistry	
12/31/1978	Other	
12/31/1976	Geology	
12/31/1976	Geochemistry	
12/31/1976	Airborne Geophysics	
12/13/1976	Ground Geophysics	

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled

094937	2007	Assessment Report, Helicopter Magnetic and Radiometric Survey for It's Your Nickel Exploration Ltd. on the Turn River Uranium Project	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics		
094733	2006	Prospecting, Drilling, Airborne Radiometrics, VLF-EM and Magnetic Surveys at the Mt Murphy Property	Magnetic - Airborne Geophysics, Radiometric - Airborne Geophysics, Diamond - Drilling, Rock - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics	4	384.26
090806	1980	MMM Claim Group: Soil Geochemistry	Soil - Geochemistry		
090179	1978	Report on Geochemistry, Geology and Radiometric Survey, Murphy 1-24 Claims	Radiometric - Airborne Geophysics, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Radiometric Survey - Ground Geophysics		
060003	1969	Geochemical Survey, Assessment Work Report on the NW Claim group	Silt - Geochemistry, Soil - Geochemistry		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC006886	Fig. U-MM2 - Geology and geochemistry map - Mount Murphy - Ukon joint venture		Property File Collection	Geophysical Map