



Occurrence Details

Occurrence Number: 115I 070

Occurrence Name: Maloney

Occurrence Type: Hard-rock

Status: Prospect

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General Information

Secondary Commodities: copper, gold, molybdenum, silver, tungsten

Aliases: Pot

Deposit Type(s): Porphyry Cu-Mo-Au

Location(s): 62°0'21.93" N - -137°53'4.367" W

NTS Mapsheet(s): 115I04

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Pot cl 1-48 (Y37155) in Aug/69 by Amax Potash Ltd, which carried out grid soil sampling, hand pitting, mag and I.P. surveys and 75 m of packsack drilling (4 holes) in 1969 and 1970. In 1976, Western Mines Ltd (Brascan Resources Ltd) & Scurry Rainbow optioned the property in a joint venture and drilled 6 holes (740 m).

Restaked as ALO cl 1-50 (YA87228) in Jun/85 by Freegold Joint Venture (Chevron Canada Resources Ltd and Archer, Cathro and Associates (1981) Ltd), which performed a soil geochemical survey later in the year and staked the Bag cl 1-10 (YA95922) 1 km to the north in Aug/86. The ALO claims were sold to Big Creek Resources Ltd in spring, 1990.

Restaked as Shamrock cl 1-12 (YC19871) in Jan/2003 by 4763 NTW Ltd, which carried out soil sampling and a ground total magnetic field survey. Copper Ridge Explorations Inc optioned the claims in 2004, staked Shamrock claims 13-26 (YC29997) in Aug/2004, and carried out geological mapping and an Induced Polarization survey on the claims. At the end of 2004 Copper Ridge dropped its option. In 2005 4763 NWT Ltd carried out a small trenching program on the original 12 Shamrock claims.

Since 2005, soil sampling, excavator trenching, line cutting, hand pitting, and IP geophysics has been completed.

Capsule Geology

The Maloney occurrence is located within the Yukon-Tanana Terrane. The YTT represents a continental arc that developed along the ancient pacific margin of North America from Late Devonian to Permian. The Maloney occurrence is mostly underlain by Snowcap assemblage muscovite-biotite-quartz schist, interbedded with biotite-quartz schist and minor gneiss, quartzite and limestone. A distinct horizon of light green, well foliated dacite crystal tuff is interlayered with other Snowcap assemblage lithologies in the northeastern part of the area.

Multiple generations of intrusions cut the Snowcap assemblage in the Maloney area: Early Jurassic biotite-muscovite granodiorite of the Long Lake Suite in the southeast; Middle Cretaceous Whitehorse Suite diorite to biotite-hornblende granodiorite in the northwest; and, Late Cretaceous or tertiary porphyritic quartz diorite and quartz-feldspar porphyries of the Prospector Mountain Suite in the central part of the area.

Mineralization in the Maloney Area consists of disseminated and fracture filling pyrite, chalcopyrite, molybdenite, arsenopyrite, jarosite, azurite, malachite and hematite hosted in quartz diorite, quartz-feldspar porphyry and quartz porphyry breccia units.

Some notable results include:

- 2013 hand pit: 0.805 g/t gold and 7.16 g/t silver

- 2014 hand pit: 0.192 g/t gold, 2.6 g/t silver, 29.9 ppm arsenic, 1015 ppm copper, 5.58 ppm molybdenum and 4.16 ppm antimony (AR 096765)

Work History

Date	Work Type	Comment
12/31/2005	Trenching	
12/31/2004	Geology	By Copper Ridge.
12/31/2004	Ground Geophysics	By Copper Ridge Explorations.
12/31/2003	Geochemistry	
12/31/2003	Ground Geophysics	Total field magnetics.
12/31/1985	Geochemistry	
12/31/1976	Drilling	Six holes, 740 m. Assessment Report #091328.
12/31/1969	Drilling	Four holes (?), 21.9 m.
12/31/1969	Geochemistry	
12/31/1969	Ground Geophysics	Also magnetics.

12/31/1969	Trenching	
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Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096765	2014	Assessment Report Describing Geological Mapping, Prospecting, Geochemical Sampling and Geophysical Surveying at the CD Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, IP - Ground Geophysics, Prospecting - Other		
095809	2011	Assessment Report Describing Geochemical Sampling, Geological Mapping and Excavator Trenching at the DDD Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Regional Bedrock Mapping - Geology, Prospecting - Other, Backhoe - Trenching		
095818	2011	Mechanized Trenching and Geochemical Sampling at the Shamrock Property	Rock - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Detailed Bedrock Mapping - Geology, Backhoe - Trenching, Backhoe - Trenching		
094565	2005	2005 Trenching Program on the Shamrock Property	Rock - Geochemistry, Handblast - Trenching		
094440	2003	2003 Mineral Exploration Program on the Shamrock Property	Rock - Geochemistry, Soil - Geochemistry, Magnetics - Ground Geophysics, Line Cutting - Other		
091810	1985	Geological and Geochemical Report on the Maloney Property	Soil - Geochemistry, Prospecting - Other		
060208	1970	Geophysical Survey Induced Polarization Survey Maloney Creek Copper Prospect Pot Group Casino Area	IP - Ground Geophysics		
060210	1970	Report on Magnetometer Survey Pot Claim Group	Magnetics - Ground Geophysics		
060209	1970	1970 Geological and Geochemical Report Maloney Creek Copper Prospect Pot 1-48 (Inclusive)	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Regional Surficial Mapping - Geology, Line Cutting - Other		