



Occurrence Details

Occurrence Number: 115H 021
Occurrence Name: Sato
Occurrence Type: Hard-rock
Status: Showing
Date printed: 4/28/2025 7:35:34 PM

General Information

Secondary Commodities: copper
Aliases: Kl, Mak
Deposit Type(s): Porphyry Cu-Mo-Au
Location(s): 61°28'33" N - -136°43'39" W
NTS Mapsheet(s): 115H07
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

First staked as the KL cl (Y35167) in Aug/69 and as the Mak cl (Y54405) in Sep/70 by Mitsubishi Met Mg CL, which constructed a tote trail to the property and conducted geochemical sampling, IP surveys and bulldozer trenching in 1970 and drilled 7 holes (789.4 m) in 1971.

Restaked by Golden Quail Resources Ltd as part of a block of 800 Nick claims (YB24764) in 1989. Golden Quail performed airborne geophysical surveys in spring, 1990 and ground VLF-magnetic surveys, geochemistry and mapping later that year.

Age determinations and alteration examinations were completed in 1997 (Lewis and Mortensen, 1998).

Capsule Geology

Age determinations were recently done on the rocks hosting this porphyry copper prospect. Disseminated pyrite, magnetite, chalcopyrite and minor molybdenite occur in a weakly altered and brecciated part of an altered upper Cretaceous diorite stock which intrudes early Jurassic Long Lake Plutonic suite and Aishihik Plutonic Suite rocks and is cut by late and possibly unrelated quartz porphyry dykes. A vesicular andesite of the Mount Creedon Volcanic Suite occurs in the vicinity. Copper grade is in the 0.1% to 0.38% range with a trace of molybdenum. Brecciated diorite in one trench assayed 0.38% Cu. Mineralization consists of micro veinlettes of magnetite partially replaced by pyrite and chalcopyrite. The replacements are thought to have occurred as a late event and only selectively along refractures and not as a pervasive event. Lewis and Mortensen (1998) go on to say that the best mineralization is found within the central potassic alteration zone with copper grades decreasing outward through the phyllic and albitic zones. Gold and molybdenum mineralization are thought to be insignificant.

A chargeability anomaly roughly coincides with a 900 x 300 m copper anomaly which trends northwest. Golden Quail obtained pan concentrates containing up to 24 300 ppb Au, 4 370 ppb Pt and 52 ppb Pd from a major northeast lineament.

Work History		
Date	Work Type	Comment
12/31/1990	Geology	
12/31/1990	Airborne Geophysics	Also magnetic and VLF surveys.
12/31/1971	Drilling	Seven holes, 789 m.
12/31/1970	Geochemistry	
12/31/1970	Ground Geophysics	
12/31/1970	Trenching	
12/31/1970	Development, Surface	Tote trail construction.
12/13/1990	Ground Geophysics	Also VLF survey.
12/13/1989	Geochemistry	Also silt sampling.
12/13/1989	Other	

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
007000	1990	Exploration Report on the Kirkland Creek Property	Electromagnetic - Airborne Geophysics, VTEM - Airborne Geophysics, Silt - Geochemistry, Soil - Geochemistry, Bedrock		

092732	1990	Exploration Report on the Richard Creek Property	Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics		
092773	1989	Prospecting Report on the Nick II Claim Group	Rock - Geochemistry, Prospecting - Other		
091324	1971	Report on Diamond Drilling for Mitsubishi Metal Mining Company Limited on KL Mineral Claim (KL 1 to 9) and MAK Mineral Claim	Diamond - Drilling	7	789.43
060993	1970	Report on Induced Polarization Surveys for Mitsubishi Metal, Mining Company Ltd. on KL and AD Mineral Claim Groups	IP - Ground Geophysics		
060992	1970	Report on Induced Polarization Surveys for Mitsubishi Metal Mining Company Ltd. on KL Mineral Claim (1 to 9 inclusive) Group	IP - Ground Geophysics		
060198	1970	Geological and Geochemical Report on KL Mineral Claim (1 to 9 inclusive) Group	Soil - Geochemistry, Prospecting - Other		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC006754	Fig. U-BN3 - Archer, Cathro & Associates Ltd. - Geology, radiometrics and drill hole locations - Bun 1-24 claims - Ukon joint venture		Property File Collection	Geoscience Map (General)
ARMC016651	Geochemical results map - 115H/7 - Hopkins Lake		Property File Collection	Geochemical Map

Drill core at YGS core library

Number	Property	Year Drilled	Core Size	Photos	Data
HA-89-4	Hopkins	1989	BQ	8	2