



Occurrence Details

Occurrence Number: 115H 064
Occurrence Name: Spock
Occurrence Type: Hard-rock
Status: Showing
Date printed: 6/14/2025 4:59:39 PM

General Information

Secondary Commodities: copper
Aliases: King, Orloff
Deposit Type(s): Porphyry Alkalic Cu-Au, Vein Cu+/-Ag Quartz
Location(s): 61°43'40.5" N - -136°8'23.23" W
NTS Mapsheet(s): 115H09
Location Comments: 0.5 km
Hand Samples Available: No
Last Reviewed:

Capsule

Exploration History

The occurrence was first staked as the AH cl (Y11169) in Nov/66.
In 1967, Empress Mines completed a program of stream sediment sampling, soil geochemical sampling and geological mapping.
In 1972, the South Yukon Joint Venture (Stratus Exploration Inc., Marietta Resources International Ltd., Union Oil Company of Canada Ltd. and Chevron Canada Limited) conducted a regional stream sediment survey in the area.
In 1985, the Geological Survey of Canada (GSC) performed regional stream sediment sampling on the map sheet covering the King property. Two stream sediment samples were collected from drainages on the current King property, which returned strongly anomalous copper values of 69 and 110 ppm.
In 1986, a program of reconnaissance-scale prospecting and geochemical sampling was carried out by Nordac Resources Ltd. (later reorganized to become Strategic Metals) to follow up the historical copper anomalies, and to evaluate gold potential in the area of the AH occurrence.
In 2010, Strategic Metals Ltd staked the King claims and performed soil sampling, an airborne magnetic and radiometric survey.
In 2011, 2014 and 2015, Strategic completed more staking and soil sampling.

Capsule Geology

The main lithological unit in the area is the Povoas formation (uTrP) and is a dark green, porphyritic, equigranular or brecciated basalt which weathers white to trusty. The matric is a dark grey to black or green and aphanitic. A small diorite plug and related dykes (potentially Aishihik Suite) have been mapped in the area. Furthermore, several small faults have been mapped, trending north or northeast and are associated with intense shearing, fracturing and alteration that are marked by gossans.

The Spock target lies on the north bank of Kirkland Creek and can only be accessed when water levels are low. This target comprises a 125 m wide, gossanous alteration zone that trends northeast and cuts volcanic rocks. Alteration varies from moderately to extremely pervasive, propylitic to advanced argillic. White gypsum is present as thin stockwork veinlets and as secondary bladed crystals. Massive accumulations of vitreous blue-green sulphate crystals are also scattered throughout the alteration zone. The western edge of the zone is obscured by a massive landslide.

Work History

Date	Work Type	Comment
7/1/2021	Geochemistry	
7/1/2021	Geology	
7/1/2015	Geochemistry	
7/1/2015	Geology	
7/1/2015	Geochemistry	
7/1/2015	Other	
7/1/2010	Airborne Geophysics	
12/13/2011	Geochemistry	
12/13/2010	Geochemistry	
12/13/2010	Geochemistry	
12/13/2010	Airborne Geophysics	
12/13/1980	Geochemistry	
12/13/1980	Geochemistry	
12/13/1972	Geochemistry	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
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096777	2015	Assessment Report Describing Geological Mapping, Prospecting and Geochemical Sampling at the King Property	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
096046	2011	Assessment Report Describing Geochemical Sampling at the King Property	Soil - Geochemistry		
095420	2010	Assessment Report Describing Geochemical Sampling and Airborne Geophysical Surveys at the King Property	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry		