



Occurrence Details

Occurrence Number: 105G 159
Occurrence Name: JD
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 12/15/2025 1:12:35 PM

General Information

Primary Commodities: cobalt, copper, gold, magnetite, zinc
Aliases: RB
Deposit Type(s): Volcanogenic Massive Sulphide (VMS) Besshi Cu-Zn, Volcanogenic Sulphide - type not determined
Location(s): N - W
NTS Mapsheet(s): 105G07
Location Comments: Location from map in AR 095449
Hand Samples Available: No
Last Reviewed:

Capsule

The occurrence is in the Yukon-Tanana Terrane in southeastern Yukon, which is composed of a penetratively deformed volcano-sedimentary assemblage. These rocks have been intruded by contemporaneous meta-gabbro sills and a group of Palaeozoic plutonic and meta-plutonic rocks. Cretaceous to Tertiary aged volcanic, sub[1]volcanic and plutonic rocks intruded the package of rocks.

Two phases of deformation with regional metamorphism are recognized in Yukon-Tanana Terrane in the region. The regional metamorphism is in the green schist to lower amphibolite facies. The sub-horizontal foliation is sub-parallel to the compositional layering. The foliation in the RB area strikes west to northwest and dips gently to the north and northwest.

There are four main meta-sedimentary or meta-volcanic rock units mapped on the RB property. The oldest unit is quartz schist and micaceous quartzite with lesser quartz-pebble conglomerate and chlorite-biotite schist and grey carbonaceous quartzite. Overlying this unit is a meta-volcanic unit that consists of massive bedded calcareous plagioclase-chlorite-biotite-actinolite schist interlayered with weakly layered plagioclase-chlorite-biotite-actinolite schist and minor carbonaceous phyllite and quartzite. Above that is light grey, tan to white thin platy quartz-muscovite schist with local small scale augen of quartz and feldspar. This unit occurs near the contact of the underlying meta-volcanic unit locally within the overlying carbonaceous unit and indicates felsic volcanism at the end of the mafic volcanic activity and transition to the sedimentary deposition.

The uppermost, and presumably youngest rocks on the property are medium to dark grey carbonaceous muscovite-quartz schist or phyllite, quartzite with rare light grey marble.

The meta-volcanic unit hosts the mineralization, which consists of magnetite and sulphide. The JD showing consists of coarse grained euhedral black magnetite crystals, up to six millimeters, that occur along bands of strongly foliated chlorite schist. Pyrite and rare chalcopyrite grains are disseminated along thin horizons within the foliated schist. The showing occurs in an outcrop two meters tall and five meters long. Large talus blocks of mineralized schist can be trace for 30 meters. Channel samples yielded values of 0.184 g/t gold and 672 ppm copper over 65 centimeters. The upper half of the interval yielded 0.248 g/t gold and 1 335 ppm copper. The lower half of the interval assayed 0.068 g/t gold and 365 ppm copper.

Work History

Date	Work Type	Comment
5/1/2011	Drilling	2 holes, 425.2 m
5/1/2010	Geochemistry	
5/1/2010	Geochemistry	
5/1/2010	Geochemistry	
5/1/2010	Geology	
5/1/2010	Other	
5/1/2004	Geology	
5/1/2004	Geochemistry	
5/1/2004	Geochemistry	
5/1/2002	Geology	
5/1/2002	Other	
5/1/2002	Geochemistry	
5/1/2002	Other	
5/1/1997	Geochemistry	
5/1/1997	Airborne Geophysics	
5/1/1997	Airborne Geophysics	
5/1/1996	Geology	
5/1/1996	Geochemistry	
5/1/1966	Other	
5/1/1966	Other	

5/1/1966	Geochemistry	
5/1/1966	Ground Geophysics	
5/1/1966	Ground Geophysics	

Related References

Number	Title	Page(s)	Reference Type	Document Type
11-055	Target Evaluation Assessment Report on the Diamond Drilling Program 2011 On RB Claims, Grass Lakes Area, Finlayson Lake Area, Yukon		Yukon Government: Energy, Mines and Resources	YMEP Report
04-028	Assessment Report on Geological and Geochemical Surveys of the RB 1-94 Claims		Yukon Government: Energy, Mines and Resources	YMEP Report