



Occurrence Details

Occurrence Number: 105G 037
Occurrence Name: Black
Occurrence Type: Hard-rock
Status: Anomaly
Date printed: 4/29/2025 3:23:23 AM

General Information

Secondary Commodities: cobalt, copper, molybdenum, zinc
Aliases: Buzzer
Deposit Type(s): Unknown
Location(s): 61°5'50" N - -130°25'28" W
NTS Mapsheet(s): 105G01
Location Comments: 1 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked Mar/66 as FL cl (Y2561) by Ventures Mining Ltd, which conducted geological mapping and a magnetic survey later in the year.
Restaked as Buzzer cl 1-28 (YB69058) in Oct/95 by Expatriate Resources Ltd, which carried out line cutting, geological mapping, soil sampling and a ground total magnetic field survey in 1996.
In Mar/96 Columbia Gold Mines Ltd staked Edy cl 1-24 (YB779950, Edy cl 111-112 (YB78019) and Dub cl 1-70 (YB78021) 3 km to the north. The company carried out line cutting followed by ground magnetic and HLEM geophysical surveys, soil sampling prospecting and reconnaissance geological mapping later in the year. This exploration work was carried out in conjunction with a larger exploration and diamond drill program carried out on the company's Kona deposit (Minfile Occurrence #105G 034) located approximately 15 km to the north. In Mar/97 Columbia Gold Mines staked Ember cl 1-56 (YB88808) on the east of the Edy and Dub claim block. During the summer of 1997, the company re-surveyed their grids using a GPS system and carried out minor exploration work.

Capsule Geology

The area is located in the Finlayson Lake district, approximately 11 km southeast of Fire Lake. The occurrence lies south of the area recently re-mapped by Murphy et al. (1999, 2001), of the Yukon Geology Program. However based on mapping results reported by Expatriate Resources and Columbia Gold Mines the following extrapolations are possible.
The occurrence is located at the contact between grey, slightly to moderately carbonaceous quartzite and medium to coarse crystalline muscovite +/- biotite granite. From Expatriate's description the quartzite likely belongs to the Upper Devonian to Lower Mississippian Fire Lake metavolcanic unit (unit DF), or one of Murphy's slightly older metasedimentary units. The granite is probably a Cretaceous age and belonging to Murphy's unit Kg.
Venture Mining previously delineated a large aeromagnetic anomaly over the occurrence. A small test ground total magnetic field survey conducted by Expatriate appears to have delineated a portion of the main anomaly. Soil sampling defined two weak to moderate Cu-Zn anomalies. The second anomaly returned strong Mo values. Both soil anomalies are located within the magnetic anomaly.
The Dub, Edy and Ember claims form one continuous claim block which Columbia Gold Mines named the Dub Grid. Most of the claim block is covered by deep overburden, however reconnaissance mapping appears to suggest that a long thin sequence of Upper Devonian and possibly older metavolcanic and metasedimentary rock underlies the central portion of the Dub Grid. The sequence is probably intruded on the east by metaplutonic rocks assigned to the Early Mississippian Simpson Range Plutonic Suite.
Columbia Gold Mines centered their grid over the Dub claims. Ground geophysics outlined a 3.2 km long EM conductor with associated magnetic high along the base line of the grid. Soil sampling outlined numerous isolated Cu, Co, and Zn coincident with the geophysical anomaly. Reconnaissance geological mapping uncover several float occurrences containing chalcopyrite mineralization but nothing in outcrop. The 1997 grid survey was carried out to better locate the geophysical and geochemical anomalies and to help plan future exploration. In May/99 Columbia Gold Mines Ltd re-organized and changed its name to Pacific Ridge Exploration Ltd.

References

BLANCHFLOWER, D., DEIGHTON, J., FOREMAN, I., 1997. The Fyre Lake Deposit: A New Copper-Cobalt-Gold VMS Discovery. In: Yukon Exploration and Geology, 1996, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 46-52.
COLUMBIA GOLD MINES LTD, Jan/97. Assessment Report #093569 by J Blanchflower and J Deighton.
COLUMBIA GOLD MINES LTD, Dec/97. Assessment Report #093778 by J Deighton and I Foreman.
EXPATRIATE RESOURCES Ltd, Mar/97. Assessment Report *#093641 by A. Burgert.
EXPATRIATE RESOURCES Ltd, Jun/97. Assessment Report #093673 by A. Burget.
VENTURES MINING LTD, Aug/66. Assessment Report #017495 by P. Philp and F. Holcapek.

Work History

Date	Work Type	Comment
12/31/1997	Other	Re-surveyed grids with GPS on the Ember claims.
12/31/1996	Geology	
12/31/1996	Geochemistry	

12/31/1996	Ground Geophysics	HLEM and magnetic survey on Columbia Gold mines claims.
12/31/1996	Ground Geophysics	Total magnetic survey .
12/31/1996	Other	
12/31/1966	Geology	
12/31/1966	Ground Geophysics	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
093641	1996	Assessment Report Describing Geological Mapping, Soil Geochemistry and Geophysical Surveys on the Buzzer Property	Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics		
017495	1966	Report on the FL Claims of Ventures Mining Ltd.	Regional Bedrock Mapping - Geology, Magnetics - Ground Geophysics		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC013902	Preliminary compilation, electromagnetic, magnetic, geochemical surveys - Showing proposed D.D.H. locations - Fyre Lake project - Dub M.C. group		Property File Collection	Geophysical Map
ARMC014028	Aero Mag-EM survey - Staking location - Fyre Lake area		Property File Collection	Geophysical Map
ARMC014015	Airborne EM - Mag. & photo geology with field notations- Fyre Lake, West group		Property File Collection	Geophysical Map
ARMC014004	Map showing PB samples creek SE of Fyre Lake - Dub claim group		Property File Collection	Geoscience Map (General)
ARMC014000	Map of Dub claim group and geochemical stream sediment survey data		Property File Collection	Geochemical Map
ARMC013987	Fyre Lake geochem survey - Dub 1 group - Contour map - Copper		Property File Collection	Geochemical Map
ARMC013986	Fyre Lake geochem survey - Dub 1 group - Contour map - Zinc		Property File Collection	Geochemical Map
ARMC013982	Compilation map - Dub group		Property File Collection	Geoscience Map (General)
ARMC013898	Drill log sample descriptions - Dub claims		Property File Collection	Miscellaneous Company Documents
ARMC013999	Analytical work sheet - Geochemical - Cu, Pb, Zn - T samples - Fyre Lake		Property File Collection	Miscellaneous Company Documents
ARMC013994	Analytical work sheet - Geochemical - Fyre Lake		Property File Collection	Miscellaneous Company Documents
ARMC013996	Analytical work sheet - Geochemical - R-32-66 - Fyre Lake		Property File Collection	Miscellaneous Company Documents
ARMC013997	Analytical work sheet - Geochemical - R-49-66 - Fyre Lake		Property File Collection	Miscellaneous Company Documents
ARMC013998	Analytical work sheet - Geochemical - R-64 - Fyre Lake		Property File Collection	Miscellaneous Company Documents
ARMC013995	Geochemical stream sediment survey data - Fyre Lake		Property File Collection	Miscellaneous Company Documents
ARMC013984	Mag. survey - Fyre Lake "E" zone		Property File Collection	Geophysical Map
ARMC014025	Airborne geophysical survey - Aeromagnetic map - Fyre Lake area		Property File Collection	Geophysical Map
ARMC014024	Airborne geophysical survey - Electromagnetic map - Fyre Lake area		Property File Collection	Geophysical Map
ARMC013983	Cassiar asbestos E.M. survey - Sheridan-Kelk magniphase of "E" zone		Property File Collection	Geophysical Map
ARMC013985	Claim map - Fyre Lake area - Cassiar asbestos		Property File Collection	Geoscience Map (General)