



## Occurrence Details

**Occurrence Number:** 105G 036  
**Occurrence Name:** Dub  
**Occurrence Type:** Hard-rock  
**Status:** Anomaly  
**Date printed:** 12/16/2025 3:28:16 AM

## General Information

**Secondary Commodities:** cobalt, copper, gold, lead, silver, zinc  
**Deposit Type(s):** Skarn Cu  
**Location(s):** 61°11'16" N - -130°30'28" W  
**NTS Mapsheet(s):** 105G02  
**Location Comments:** .5 Kilometres  
**Hand Samples Available:** No  
**Last Reviewed:**

### Capsule

#### Work History

First staked by Cassiar Asbestos Corporation Limited as the Top cl 1-170 (75213) in Sep/60 and later restaked by Atlas EL as Dub cl 1-167 (89964) in Jan/66. Atlas conducted airborne and ground geophysical surveys in 1966 and drilled 3 holes (252.7 m) in 1967. In 1980 Welcome North Mines Ltd optioned the Dub claims from Atlas Exploration. In 1990 Placer Dome Exploration Ltd optioned the remaining Dub Claims from Welcome North Mines. As part of the option agreement Placer Dome restaked the occurrence within a large block of 192 Fire claims (YB33748).

In Nov/95 Columbia Gold Mines Ltd optioned the Fire claims from Welcome Opportunities Ltd (a successor company to Welcome North Mining Ltd and Atlas Exploration Ltd). The claims were included in a larger claim package which included the Fyre occurrence (Minfile Occurrence #105G 034) and the Top occurrence (Minfile Occurrence 105G 035) both located to the north. Between late June and early Oct/96 Columbia Gold carried out an extensive regional exploration program in the area.

In late 1996 Columbia staked Ember cl 57-99 (YB88864) on the west side of the Fire claims. The next year the company drilled 8 diamond drill holes approximately 1 km north of the occurrence. In May/99, Columbia Gold Mines Limited consolidated its capital on a 3 old for 1 new basis and changed its name to Pacific Ridge Exploration Limited.

#### Capsule Geology

The Finlayson Lake district is underlain by the Yukon-Tanana Terrane: a Late Proterozoic to Paleozoic metamorphosed volcano-sedimentary assemblage. It is regionally bounded to the southwest by the Tintina Fault. This terrane hosts several known volcanogenic massive sulphide (VMS) deposits and occurrences, including Kudz Ze Kayah (Minfile Occurrence #105G 117), Wolverine (Minfile Occurrence #105G 072) and Ice (Minfile Occurrence #105G 118).

The area surrounding the occurrence was not examined by Yukon Geology Program geologists during their regional mapping program. However rock units can be extrapolated from mapping reported by Columbia Gold and other companies. Thus the occurrence is probably underlain by unit DMF, Fire Lake mafic metavolcanic unit, a thick package of massive calcareous chloritic schists and lesser carbonaceous phyllite and quartzite, serpentinized ultramafics and fine to coarse grained gabbro. Unit DMF is overlain by unit MK, Kudz Ze Kayah felsic metavolcanic unit, an undifferentiated feldspar-muscovite-quartz schist, feldspar and less commonly quartz augen schist. The lower contact between units DMF and MK is marked by unit MKcp, a carbonaceous muscovite-quartz schist or phyllite and quartz-muscovite (augen) schist (Murphy and Piercey, 1999 map). Mississippian aged variably strained granite (unit MSg) probably occurs as a thrust panel south and east of the occurrence.

Historically, the bulk of exploration work in the region was aimed at exploring the adjoining Fyre occurrence (Minfile Occurrence 105G 034) located 3.5 km to the northwest. Most companies explored the area around the Dub occurrence in hopes of discovering similar VMS mineralization. Various soil sampling and geophysical surveys outlined coincident anomalies in the area but no substantial amount of mineralization has yet been found.

Cassiar Asbestos found boulders of mineralized float in this area grading 1.57% and 2.08% Cu. Atlas found coincident EM and geochemical anomalies in an area underlain by schist and phyllite and covered by extensive overburden in a flat area described as being located at an elevation of about 3,500 feet and 1,200 feet east of the southeast corner of Fyre Lake (GSC Paper 67-40). Drilling in 1967 (400 m in three holes) failed to explain the anomalies (GSC Paper 68-68).

Columbia Gold filed assessment work for two of the eight drill holes (303 m). Both holes were drilled to test coincident geochemical and geophysical anomalies and intersected alternating bands of phyllite and biotite-chlorite-quartz-carbonate schists. Only trace amounts of disseminated pyrite and pyrrhotite were noted.

#### References

ATLAS EXPLORATIONS LTD, Nov/66. Assessment Report #019793 by T.L. Sadlier-Brown.

ATLAS EXPLORATIONS LTD, Feb/67. Assessment Report #061187 by T.L. Sadlier-Brown

BLANCHFLOWER, D., DEIGHTON, J., AND FOREMAN, I., The Fyre Lake Deposit: A new VMS discovery. 1997. Columbia Gold Mines Ltd, Handout given at Cordilleran Round-up.

COLUMBIA GOLD MINES LTD, May/98. Assessment Report #093569 by J. D. Blanchflower and I. J. Foreman.

COLUMBIA GOLD MINES LTD, May/98. Assessment Report #093778 by J. Deighton and I. J. Foreman.

GEOLOGICAL SURVEY OF CANADA, Paper 67-40, p. 59-60.

GEOLOGICAL SURVEY OF CANADA, Paper 68-68, p. 78.

HUNT, J.A. and MURPHY, D.C., 1998. A note on preliminary bedrock mapping in the Fire Lake area. In: Yukon Geology and Exploration 1997: Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p 59-68.

MURPHY, D.C., AND PIERCEY, S.J., 1999. Geological evolution of parts of Finlayson Lake (105G/7, 8 and 9) and Frances Lake (parts of 105H/5 and 12) map areas, southeastern Yukon (1:100,000 scale). Exploration and Geological Services Division, Indian and Northern Affairs Canada, Open File 1999-4

MURPHY, D.C. AND PIERCEY, S.J., 2000. Syn-mineralization faults and their re-activation, Finlayson Lake massive sulphide district, Yukon-Tanana Terrane, southeastern Yukon. In: Yukon Exploration and Geology 1999, D.S. Emond and L.H. Weston (eds.), Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 55-66.

PLACER DOME INC, Dec/91. Assessment Report #092991 by R.W. Stroshein

YUKON EXPLORATION AND GEOLOGY 1979-80, p.91-95; 1981, p. 135; 1996, p. 16-17, 30, 32; 1997, p. 36, 38.

YUKON EXPLORATION 1991, p. 6, 10.

## Work History

Date	Work Type	Comment
12/31/1997	Drilling	Two holes, 302 m. Six additional holes drilled but no information was filed.
12/31/1996	Drilling	Seventy-one holes, 9,600 m. Drilled on entire Fyre Lake property.
12/31/1996	Geology	
12/31/1996	Geochemistry	
12/31/1996	Airborne Geophysics	Also magnetic survey.
12/31/1990	Geology	
12/31/1990	Geochemistry	
12/31/1990	Airborne Geophysics	Also resistivity and magnetic and VLF surveys. Flown by Placer Dome.
12/31/1967	Drilling	Three holes, 252.7 m.
12/31/1966	Airborne Geophysics	Also magnetic survey.
12/13/1996	Ground Geophysics	Also magnetic survey.
12/13/1990	Ground Geophysics	Also magnetic survey.
12/13/1966	Ground Geophysics	Also magnetic survey. Follow-up to earlier airborne survey.

## Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
<a href="#">096896</a>	2014	2014 Helicopter-Borne VTEM Geophysical Survey	Electromagnetic - Airborne Geophysics		
<a href="#">096515</a>	2013	2013 Satellite Mapping on the Fyre Lake Property	Orthophoto - Airphotography		
<a href="#">093778</a>	1997	Diamond Drilling and GPS Grid Surveying Report on the Fyre Lake Property	Diamond - Drilling, EM - Ground Geophysics, Magnetics - Ground Geophysics, Geotechnical - Studies	4	473.97
<a href="#">093569</a>	1996	Linecutting, Prospecting, Geochemical and Geophysical Report on the Fyre Lake Property	Rock - Geochemistry, Soil - Geochemistry, EM - Ground Geophysics, Magnetics - Ground Geophysics, Line Cutting - Other, Prospecting - Other		
<a href="#">061181</a>	1966	A Geological Report on Dub Claims 1 to 167 and Zot 11 and 12	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Regional Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics, Line Cutting - Other		
<a href="#">061177</a>	1966	Magnetic and Electromagnetic Geophysical Surveys Dub and Zot Mineral Claim Groups	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, EM - Ground Geophysics, Magnetics - Ground Geophysics		
<a href="#">061176</a>	1966	Geochemical Soil Sampling Survey Dub and Zot Mineral Claim Groups	Soil - Geochemistry		

## Related References

Number	Title	Page(s)	Reference Type	Document Type
<a href="#">ARMC013 902</a>	Preliminary compilation, electromagnetic, magnetic, geochemical surveys - Showing proposed D.D.H. locations - Fyre Lake project - Dub M.C. group		Property File Collection	Geophysical Map
<a href="#">ARMC016 592</a>	Geochemical map - 105G/2 - Upper Black River		Property File Collection	Geochemical Map
<a href="#">ARMC014 028</a>	Aero Mag-EM survey - Staking location - Fyre Lake area		Property File Collection	Geophysical Map
<a href="#">ARMC014 015</a>	Airborne EM - Mag. & photo geology with field notations- Fyre Lake, West group		Property File Collection	Geophysical Map
<a href="#">ARMC013 873</a>	Airborne EM-mag & photogeology - Fyre Lake, Central group - Drawing no. 9		Property File Collection	Geophysical Map
<a href="#">ARMC013 871</a>	Airborne EM-mag & photogeology - Fyre Lake, East group		Property File Collection	Geophysical Map
<a href="#">ARMC013 872</a>	Airborne EM-mag & photogeology - Fyre Lake, West group		Property File Collection	Geophysical Map

<a href="#">ARMC013 867</a>	Notes on Fyre Lake previous work by G.S.C.	Property File Collection	Miscellaneous Company Documents
<a href="#">ARMC014 004</a>	Map showing PB samples creek SE of Fyre Lake - Dub claim group	Property File Collection	Geoscience Map (General)
<a href="#">ARMC013 862</a>	Staking map - Fyre Lake area	Property File Collection	Geoscience Map (General)
<a href="#">ARMC013 936</a>	Geochemical map with overlay - Upper Black River	Property File Collection	Geochemical Map
<a href="#">ARMC014 000</a>	Map of Dub claim group and geochemical stream sediment survey data	Property File Collection	Geochemical Map
<a href="#">ARMC013 901</a>	Magnetometer survey - Fire Lake E zone	Property File Collection	Geophysical Map
<a href="#">ARMC013 866</a>	Pelly Mountains area - Fyre Lake	Property File Collection	Report
<a href="#">ARMC013 820</a>	Resume of geology and mineralization in the area of the "E" zone, Fyre Lake, Y.T.	Property File Collection	Report
<a href="#">ARMC013 987</a>	Fyre Lake geochem survey - Dub 1 group - Contour map - Copper	Property File Collection	Geochemical Map
<a href="#">ARMC013 986</a>	Fyre Lake geochem survey - Dub 1 group - Contour map - Zinc	Property File Collection	Geochemical Map
<a href="#">ARMC013 934</a>	Fyre Lake OEX staking claim map	Property File Collection	Geoscience Map (General)
<a href="#">ARMC013 935</a>	Fyre Lake OEX staking claim map	Property File Collection	Geoscience Map (General)
<a href="#">ARMC013 982</a>	Compilation map - Dub group	Property File Collection	Geoscience Map (General)
<a href="#">ARMC013 898</a>	Drill log sample descriptions - Dub claims	Property File Collection	Miscellaneous Company Documents
<a href="#">ARMC013 999</a>	Analytical work sheet - Geochemical - Cu, Pb, Zn - T samples - Fyre Lake	Property File Collection	Miscellaneous Company Documents
<a href="#">ARMC013 994</a>	Analytical work sheet - Geochemical - Fyre Lake	Property File Collection	Miscellaneous Company Documents
<a href="#">ARMC013 996</a>	Analytical work sheet - Geochemical - R-32-66 - Fyre Lake	Property File Collection	Miscellaneous Company Documents
<a href="#">ARMC013 997</a>	Analytical work sheet - Geochemical - R-49-66 - Fyre Lake	Property File Collection	Miscellaneous Company Documents
<a href="#">ARMC013 998</a>	Analytical work sheet - Geochemical - R-64 - Fyre Lake	Property File Collection	Miscellaneous Company Documents
<a href="#">ARMC013 995</a>	Geochemical stream sediment survey data - Fyre Lake	Property File Collection	Miscellaneous Company Documents
<a href="#">ARMC013 984</a>	Mag. survey - Fyre Lake "E" zone	Property File Collection	Geophysical Map
<a href="#">ARMC020 531</a>	Field notebook - Dub 2 - Old Cassiar area	Property File Collection	Miscellaneous Company Documents
<a href="#">ARMC020 544</a>	Field notebook - Atlas Ex. 1966 - Ash, Ant, Tau, Calco, Dub 1-2, Tak groups	Property File Collection	Miscellaneous Company Documents
<a href="#">ARMC013 906</a>	Airborne EM-mag and photogeology - Fyre Lake, Central group - with notations	Property File Collection	Geophysical Map
<a href="#">ARMC013 900</a>	Airborne EM-mag and photogeology - Fyre Lake, East group - Drawing no. 10	Property File Collection	Geophysical Map
<a href="#">ARMC014 025</a>	Airborne geophysical survey - Aeromagnetic map - Fyre Lake area	Property File Collection	Geophysical Map
<a href="#">ARMC013 876</a>	Airborne geophysical survey - Aeromagnetic map - Sheet 1 of 4 - Fyre Lake area	Property File Collection	Geophysical Map
<a href="#">ARMC013 874</a>	Airborne geophysical survey - Aeromagnetic map - Sheet 2 of 4 - Fyre Lake area	Property File Collection	Geophysical Map
<a href="#">ARMC013 875</a>	Airborne geophysical survey - Aeromagnetic map - Sheet 3 of 4 - Fyre Lake area	Property File Collection	Geophysical Map
<a href="#">ARMC013 870</a>	Airborne geophysical survey - Aeromagnetic map - Sheet 4 of 4 - Fyre Lake area	Property File Collection	Geophysical Map
<a href="#">ARMC014 024</a>	Airborne geophysical survey - Electromagnetic map - Fyre Lake area	Property File Collection	Geophysical Map
<a href="#">ARMC013 877</a>	Airborne geophysical survey - Electromagnetic map - Sheet 1 of 4 - Fyre Lake area	Property File Collection	Geophysical Map
<a href="#">ARMC013 878</a>	Airborne geophysical survey - Electromagnetic map - Sheet 2 of 4 - Fyre Lake area	Property File Collection	Geophysical Map
<a href="#">ARMC013 879</a>	Airborne geophysical survey - Electromagnetic map - Sheet 3 of 4 - Fyre Lake area	Property File Collection	Geophysical Map

<a href="#">ARMC013 869</a>	Airborne geophysical survey - Electromagnetic map - Sheet 4 of 4 - Fyre Lake area		Property File Collection	Geophysical Map
<a href="#">ARMC013 861</a>	Airborne geophysical survey - Fyre Lake area		Property File Collection	Geophysical Map
<a href="#">ARMC013 915</a>	Field maps of Fyre Lake showing geology and structure		Property File Collection	Geoscience Map (Geological - Bedrock)
<a href="#">ARMC013 983</a>	Cassiar asbestos E.M. survey - Sheridan-Kelk magniphas of "E" zone		Property File Collection	Geophysical Map
<a href="#">ARMC013 931</a>	Cassiar development map - Fire Lake drilling to Sept. 12, 1961		Property File Collection	Geoscience Map (General)
<a href="#">ARMC013 930</a>	Development map - Cassiar asbestos - Fyre Lake - E zone - 66-12		Property File Collection	Geoscience Map (General)
<a href="#">ARMC013 985</a>	Claim map - Fyre Lake area - Cassiar asbestos		Property File Collection	Geoscience Map (General)