



## Occurrence Details

**Occurrence Number:** 105G 129  
**Occurrence Name:** Major  
**Occurrence Type:** Hard-rock  
**Status:** Anomaly  
**Date printed:** 6/14/2025 6:14:40 PM

## General Information

**Deposit Type(s):** Volcanogenic Massive Sulphide (VMS) Kuroko Cu-Pb-Zn  
**Location(s):** 61°30'13" N - -130°44'15" W  
**NTS Mapsheet(s):** 105G10  
**Location Comments:** .5 Kilometres  
**Hand Samples Available:** No  
**Last Reviewed:**

### Capsule

#### Work History

First staked in Apr/94 as Major cl 1-15 (YB47446) by Cominco Ltd to cover a geophysical anomaly outlined from a Cominco airborne EM/magnetic survey flown earlier in the year. Cominco carried out a short soil sampling program later in the same year. In 1996 the company carried out a short geological mapping and prospecting program.

#### Capsule Geology

Geological mapping (Murphy et al. 2001) shows the area is dominantly underlain by a layered sequence of Devonian to Early Mississippian metavolcanic and metasedimentary rocks belonging to the Yukon-Tanana Terrane (YTT). The YTT is a volcanic-plutonic pericratonic arc assemblage that was strongly deformed and metamorphosed by Late Triassic time. The Major claims, located within the Yukon-Tanana Terrane, are largely covered by a thick layer of glacial overburden. Bedrock mapping shows the occurrence to be underlain by a sequence of Upper Devonian and older(?) biotite-muscovite-feldspar schist, micaceous quartzite, psammite and marble (unit Dq), which are overlain by Fire Lake mafic metavolcanic rockst (unit DF). The sequence is intruded south of the occurrence by granitic to monzonitic metaplutonic rocks (unit MGg) of the Mississippian Grass Lakes Plutonic Suite. Geological characteristics and stratigraphic relations suggests that the metaplutonic rocks are sills that flowed from dykes lying along the trend of thickness changes in the surrounding metavolcanic and metasedimentary rocks. Cominco collected 2 lines of soil samples (40 samples) overtop the aeromagnetic anomaly. None of the samples returned anomalous values. The geological mapping/prospecting program outlined a few isolated mafic volcanic outcrops, none of which displayed any mineralization.

#### References

BOND, J.D., MURPHY, D.C., COLPRON, M., GORDEY, S.P., PLOUFFE, A., ROOTS, C.F., LIPOVSKY, P.S., STRONGHILL, G., AND ABBOTT, J.G., 2002. Digital compilation of bedrock geology and till geochemistry, northern Finlayson Lake map area, Southeastern Yukon (105G), Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Open File Report, 2002-7(D) and Geological Survey of Canada Open File 4243.

COMINCO LTD, Feb/95. Assessment Report #093344 by P.A. MacRobbie.

COMINCO LTD, Apr/98. Assessment Report #093729 by V.L. Bannister.

HUNT, J.A., 2001. Volcanic-associated massive (VMS) mineralization in the Yukon-Tanana Terrane and coeval strata of the North American miogeocline, in the Yukon and adjacent areas. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Bulletin 12, 107 p.

MURPHY, D.C. and PIERCEY, S.J., 1999. Geological map of parts of Finlayson Lake (105G/7, 8 and parts of 1, 2, and 9) and Frances Lake (parts of 105H/5 and 12) map areas, southeastern Yukon (1:100 000-scale). Exploration and Geological Services Division, Yukon, 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.

MURPHY, D.C., COLPRON, M., GORDEY, S.P., ROOTS, C.F., ABBOTT, G., AND LIPOVSKY, P.S., 2001. Preliminary bedrock geological map of northern Finlayson Lake area (NTS 105 G) Yukon Territory (1:100 000 scale). Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Open File 2001-33.

MURPHY, D.C., COLPRON, M., ROOTS, C.F., GORDEY, S.P. AND ABBOTT, J.G., 2002. Finlayson Lake Targeted Geoscience Initiative (southeastern Yukon) , Part 1: Bedrock geology. In: Yukon Exploration and Geology 2001, D.S. Emond, L.H. Weston and L.L. Lewis (eds.), Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, p. 189-207.

### Work History

Date	Work Type	Comment
12/31/1996	Geology	
12/31/1996	Other	
12/31/1994	Geochemistry	
12/31/1994	Airborne Geophysics	Also magnetic survey.

## Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
<a href="#">094383</a>	2003	Reinterpretation of Helicopter Electromagnetic and Magnetic Data Collected Over the League Property, Yukon Territory, by Aerodat Inc. (Now Fugro Airborne Surveys) During February to April 1996 on Behalf of Expatriate Resources Ltd. Project J9603	Process/Interpret - Pre-existing Data		
<a href="#">093571</a>	1996	Assessment Report Describing Geological Mapping, Soil Sampling, Geophysical Surveying and Diamond Drilling at the League Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Diamond - Drilling, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics, Line Cutting - Other, Prospecting - Other	6	1153
<a href="#">093729</a>	1996	1996 Assessment Report Major Property Geological Mapping/Prospecting and Geochemistry	Rock - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
<a href="#">093655</a>	1996	Report on a Combined Helicopter-Borne Electromagnetic and Magnetic Survey, Goal Net, Hat Trick, League, Offside, Power Play, Shutout and Slapshot Properties	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		
<a href="#">093493</a>	1995	Assessment Report Describing Geological Mapping, Prospecting, Geochemistry and Geophysical Surveys on the League Property	Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics, Line Cutting - Other, Prospecting - Other		
<a href="#">093344</a>	1995	1994 Assessment Report, Major Properties	Soil - Geochemistry		