Occurrence Details

Occurrence Number: 105G 148
Occurrence Name: Assist
Occurrence Type: Hard-rock
Status: Anomaly
Date printed: 8/6/2025 2:16:26 AM

General Information

Secondary Commodities: arsenic, copper, lead, zinc
Deposit Type(s): Unknown
Location(s): 61°53'35" N - -131°42'48" W
NTS Mapsheet(s): 105G13
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Assist cl 1-24 (YB86854) in Aug/96 by Expatriate Resources Ltd, which flew helicopter-borne magnetic and electromagnetic geophysical surveys over the claims later in the year. In 1997 the company carried out prospecting and grid and reconnaissance soil sampling surveys.
In 2002 Expatriate contracted a consulting geophysicist to re-evaluate the data obtained from the helicopter-borne geophysical surveys flown in 1996.
In Dec/2004 shareholders of Expatriate approved a re-organization plan whereby all of Expatriate¿s non- Finlayson District exploration properties were transferred to a new company, Pacific Resources Ltd. Upon completion of the re-organization Expatriate changed its name to Yukon Zinc Corporation. Yukon Zinc will focus on the development of company¿s Wolverine Deposit (Minfile Occurrence #105G 072) and its large surrounding claim holdings including the Assist claim block (this occurrence).

Capsule Geology

The area is located in the Finlayson Lake District approximately 52 km northwest of Finlayson Lake and 19 km west of Expatriate Resources Ltd Ice deposit (Minfile Occurrence #105G 118). The area has been studied extensively by Murphy and others (2001) employed by the Yukon Geological Survey. The occurrence area lies in an area of deep overburden and outcrop is scarce and almost non-existent.
Recent geological mapping by Murphy suggests that the area is underlain by mainly, Carboniferous (?) age, dark grey siliceous carbonaceous phyllite, grey, white, pink and green chert; mottled grey-white chert-pebble conglomerate; and shale chip bearing, quartzo-feldspathic grit and conglomerate assigned to unit C?cs of the Finlayson succession. The age of the Finlayson succession has not been directly determined but the unit is overlain by Campbell Range basalts of late Pennsylvanian to Early Permian age.
The airborne geophysical survey outlined two areas of high magnetic response separated by an intense resistivity low which trends across the centre of the claim block. The geophysical anomalies compare favorably with results from Expatriate¿s Wolverine deposit (Minfile Occurrence #105G 072), where the magnetite horizon has produced a magnetic high up dip from a resistivity low related to graphitic schists that host the volcanogenic massive sulphide deposit. The soil sampling program outlined anomalous copper, zinc, molybdenum and arsenic values approximately coincident and concentrated along the axis of the resistivity low or down-ice from it.
The re-evaluation of the geophysical data was undertaken to correlate geophysical anomalies to known geological units, mineralization and geological structures. The company also checked for any anomalies that might have been missed in the original evaluation of data.

References

EXPATRIATE RESOURCES LTD, Jan/97. Assessment Report #093839 by R. Pritchard.

EXPATRIATE RESOURCES LTD, Dec/97. Assessment Report #093840 by T.C. Becker.

EXPATRIATE RESOURCES LTD, Jun/2002. Assessment Report #094301 by J. Moore and J. Klein.

EXPATRIATE RESOURCES LTD, News Release, 15 Dec/2004.

EXPATRIATE RESOURCES LTD, Jan/2003. Web Site: www.expatriateresources.com

GORDEY, S.P. AND MAKEPEACE, A.J. 2003: Yukon Digital Geology, version 2.0, S.P. Gordey and A.J. Makepeace (comp); Geological Survey of Canada, Open File 1749 and Yukon Geological Survey, Open File 2003-9 (D).

HUNT, J.A., 1998. The setting of volcanogenic massive sulphide deposits in the Finlayson Lake district. In: Yukon Exploration and Geology 1997, Exploration and Geological Services Division, Indian and Northern Affairs Canada, p. 99-104.

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., ET AL., 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., ET AL., 2002. Finlayson Lake Targeted Geoscience Initiative (southern 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

12/31/2002	Pre-existing Data	Company hire consultant to re-evaluate data from 1996 geophysical survey.
12/31/1997	Geochemistry	Soil sampling was carried out on reconnaissance scale and on detailed grids.
12/31/1997	Other	
12/31/1996	Airborne Geophysics	Also magnetic survey.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
094301	2002	2002 Geophysical Report for the Ice and Assist Claims in the Watson Lake Mining District, Yukon Territory, Canada	Process/Interpret - Pre-existing Data		
093840	1997	Assessment Report Describing Prospecting, Geophysical Surveys and Soil Geochemistry on the Assist Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Soil - Geochemistry, Prospecting - Other		
093839	1997	Assessment Report Describing Geological Mapping, Prospecting, Soil Geochemistry and Airborne Geophysical Surveys on the Ice Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		