Occurrence Details

Occurrence Number: 105C 047
Occurrence Name: Sawas
Occurrence Type: Hard-rock
Status: Showing
Date printed: 6/15/2025 11:41:38 AM

General Information

Secondary Commodities: arsenic, gold, silver
Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au
Location(s): 60°56'46" N - -133°43'48" W
NTS Mapsheet(s): 105C13
Location Comments: 1 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Saw cl 1-6 (YA95225) in Jul/66 by Noranda Exploration Company Ltd, which carried out a small reconnaissance sampling program later in the month. All North Resources Ltd staked Was cl 1-6 (YA95295) approximately 2 km to the southwest in the same month. Both companies carried out geological maping and geochemical sampling programs in 1987. Restaked as Rosy cl 1-20 (YC18054) by Atac Resources Ltd in Jul/99, which carried out a brief prospecting and soil sampling program before adding Rosy cl 21-30 (YC18159) in Sep/99. Atac carried out follow-up exploration work in late Sept/99.

Capsule Geology

The area is located northwest of the Canol Road and was previously assigned to the Big Salmon Complex. Recent mapping by Gordey et al., 1998 shows that the area is underlain Yukon-Tanana Terrane rocks divided into three lithotectonic assemblages first suggested by Stevens (1993). The oldest consists of Early Mississippian or older metasedimentary rocks including quartz-muscovite +/- chlorite schist, muscovite-chlorite quartzite, muscovite-graphite phyllite, calcareous schist and minor marble. Intruding these strata are foliated hornblende-bearing metagranitoids of Early Mississippian age. The last assemblage consists of mafic schist, greenstone, amphibolite, and metagabbro of probable late Paleozoic age. Some maps label this unit the Amphibolite Subterrane. Inclusion of this last assemblage within the Slide Mountain terrane is also possible. Contacts between rock units are dominantly structural with rare preservation of primary depositional and intrusive relationships. Metamorphic grade is greenschist to amphibolite facies.
The occurrence is predominantly underlain by quartz-hornblende gneiss, feldspar-quartz-hornblende gneiss and amphibolite belonging tothe youngest of Gordey¿s three lithotectonic units. An Early Jurassic metadiorite intrusion, intrudes the unit. The original claims were staked to cover anomalous gold and arsenic values from a GSC silt survey. All-North noted vein quartz float assaying up to 1.3 g/t Au and 102 g/t Ag. The float was associated with a soil anomaly that returned values up to 145 ppb Au and 9.0 ppm Ag.
Noranda discovered several quartz-carbonate alteration zones thought to be related to local shear zones separating the amphibolite rocks from the metadiorite. The alteration zones are up to few metres wide but rock and soil samples returned anomalous values for Au and As.
Atac Resources identified more than twenty quartz-carbonate veins that cut the amphibolite unit and the metadiorite. The veins are typically less than 80 cm wide and are best exposed on ridge crests and cliffs. Accompaning sulfide minerals are typically fine grained and consist of disseminated pyrite with minor arsenopyrite and rarely comprise more than 5% of the veins. A grab sample of one quartz-carbonate vein estimated to contain 10% arsenopyrite returned 35.92 g/t Au, 32.4 ppm Ag and > 10 000 As. The highest soil sample, collected about 125 m west of the rock sample returned 835 ppb Au and 9.6 ppm Ag and 210 ppm As. Preliminary exploration suggests that the gold results are highly correlated with arsenic and weakly correlated with silver and antimony.

References

ALL-NORTH RESOURCES LTD, Dec/87. Assessment Report #091975 by T. Garagan and P Garagan.

ATAC RESOURCES LTD, May/2000. Assessment Report #094109 by W.D. Eaton.

ATAC RESOURCES LTD, Mar/2003. Web Site: www.atacres.com/

GORDEY, S.P. AND STEVENS, R.A., 1994. Preliminary interpretation of bedrock geology of the Teslin Area (105C), southern Yukon: Geological Survey of Canada Open File 2886 (map, scale 1:250 000).

GORDEY, S.P. ET AL., New U-Pb ages from the Teslin area, southern Yukon, and their bearing on terrane evolution in the northern Cordillera; in Radiogenic Age and Isotopic Studies: Report 11; Geological Survey of Canada, Current Research 1998-F, p 129-148.

NORANDA EXPLORATION COMPANT LTD, Oct/87. Assessment Report #091956 by H. Copland.

NORANDA EXPLORATION COMPANT LTD, Jun/88. Assessment Report #092484 by M. Trudzik.

STEVENS, R. A., 1993: Teslin suture zone; in Field Guild Guide to Accompany the 1993 Nuna Conference on the Northern Intermontane Superterrane, John et al. (ed.); p. 44-45.

YUKON EXPLORATION 1985-86, p. 144; 987, p. 89-92.

Work History

Date	Work Type	Comment
12/31/1999	Geochemistry	
12/31/1999	Geochemistry	

12/31/1999	Other	Work was preliminary in nature.
12/31/1987	Geology	
12/31/1987	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097096	2017	Assessment report describing Soil Geochemical Sampling and Prospecting at the Rosy property	Rock - Geochemistry, Soil - Geochemistry		
095178	2009	Assessment Report Describing Geochemical Sampling and Prospecting at the Rosy Property	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
095191	2008	Assessment Report Describing Geochemical Sampling, Geological Mapping and Prospecting	Rock - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Detailed Bedrock Mapping - Geology, Prospecting - Other		
095002	2007	Assessment Report Describing Geophysical Surveys at the Rosy Property	Magnetic - Airborne Geophysics, VTEM - Airborne Geophysics		
094534	2004	Assessment Report Describing Prospecting and Soil Geochemistry	Soil - Geochemistry, Prospecting - Other		
094109	2000	Assessment Report Describing Prospecting and Soil Geochemistry on the Rosy Property	Rock - Geochemistry, Soil - Geochemistry		
091956	1987	Geochemical Report on the Saw 1-6 Claims	Rock - Geochemistry, Soil - Geochemistry		
092484	1987	Geological & Geochemical Report on the Saw 1-6 Claims	Silt - Geochemistry, Soil - Geochemistry, Prospecting - Other		
091380	1982	1982 Prospecting Programme Yukon Quartz Mineral Claims	Soil - Geochemistry, Prospecting - Other		
091035	1981	Geochemical Report on Bear 1-56 Mineral Claims	Silt - Geochemistry, Soil - Geochemistry		
060002	1970	Report on Geochemical Soil Survey, For Assessment Work Performed on Northweste Explorers (1967) Ltd. NW, RH and Xy Claims	Soil - Geochemistry, Bedrock Mapping - Geology		
060003	1969	Geochemical Survey, Assessment Work Report on theNW Claim group	Silt - Geochemistry, Soil - Geochemistry		