



Occurrence Details

Occurrence Number: 105K 098

Occurrence Name: Chaplin

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 6/15/2025 10:27:52 AM

General Information

Secondary Commodities: copper, gold, lead, silver, zinc

Deposit Type(s): Volcanogenic Sulphide - type not determined

Location(s): 62°0'27" N - 132°8'6" W

NTS Mapsheet(s): 105K01

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Aro cl 1-32 (Y83128) in Aug/74 by AEX Minerals Corporation Ltd and Anvil Range Syndicate (Teck Corporation Ltd & Du Pont of Canada Exploration Ltd), which carried out reconnaissance magnetic and soil sampling surveys and prospecting. The adjoining Coj and Nwc groups (Y83435) and the nearby Geox cl (Y80637) to the north were recorded in September by R. Blusson and Associates.

Restaked as T cl 1-357 (YA11590) in Oct/76 by Tenas Joint Venture (Du Pont and Western Mines Ltd), which added more T and Tenas claims as part of a 728 claim belt 45 km long and explored with geological mapping, grid soil sampling, gravity surveying and drilled two holes (455 m) in 1977; gravity and airborne magnetic and EM surveys in 1978; and wide spaced drilling on the T group in 1979. The Tenas Joint Venture claims were optioned in 1980 by Cyprus Anvil Mining Corporation. Du Pont's interest was transferred to CSA Minerals Inc in 1984 and to Goldsearch Inc in 1985.

Restaked as Skate cl 1-44 (YB68969) by Expatriate Resources Ltd in Oct/95, who carried out geological mapping, prospecting, stream sediment sampling and soil sampling along the claim lines in 1996 and drilled 3 holes (556 m) in 1997.

Capsule Geology

The area is located northwest of the upper limits of recent mapping completed on adjoining topographical map sheet 105G by Murphy (2001) and others employed by the Yukon Geology Program. The occurrence is located near the bank of the Ross River and bedrock is generally obscured by glacial overburden. Based on observations reported by Expatriate Resources and extrapolations from Murphy's 2001 geology map, it appears the occurrence is underlain by Carboniferous (?) age metavolcanic and metasedimentary phyllites, siliceous phyllites and cherts (probably Murphy's unit C?cs) and basaltic volcanic rocks belonging to the Early Permian Campbell Range Succession making the rocks part of the Yukon Tanana Terrane. Alternatively the metasedimentary and metavolcanic rocks could belong to ancestral North America which would make them older, i.e. Devonian & Mississippian Earn Group.

The occurrence was originally staked on a weak gossan and aeromagnetic anomaly underlain by phyllite and altered volcanic rocks. Prospecting of a gravity anomaly in the area located several massive sulfide float boulders. The boulders were described as medium-grained aggregates of pyrite (

Two surface showings of limited extent have been discovered on the property that contain foliaform sulfide mineralization. One showing, called the West showing consists of 2 to 20 cm wide foliaform massive pyrrhotite bands containing disseminated chalcopyrite. The mineralization could not be traced along strike because of till and vegetation cover. On specimen returned 0.28% Cu and 0.20% Zn but low values for Pb, Ag and Au. All three 1977 drill holes were drilled on a gravity anomaly located near the West showing. One hole (DDH 77-1) intersected 0.4 m of massive sulfide which assayed 5.95% Zn, 6.15% Pb, and 102 g/t Ag.

Expatriate's drilled approximately 100m east, south and west of previous drill hole 77-01. No significant sulphides were intersected and mineralization was restricted to crosscutting quartz veins containing weak chalcopyrite, galena, sphalerite and pyrrhotite. The main rock types intersected were siliceous phyllite with siltstone interbeds and a locally porphyritic metabasalt.

References

DU PONT OF CANADA EXPLORATION LTD, Oct/77. Assessment Report *#091202 by K.A. MacLean.

DU PONT OF CANADA EXPLORATION LTD, Oct/77. Assessment Report #092905 by K.A. MacLean.

DU PONT OF CANADA EXPLORATION LTD, Aug/78. Assessment Report #090335 by C.A. Ager.

EXPATRIATE RESOURCES LTD, Feb/97. Assessment Report #093639 by W.A. Wengzynowski.

EXPATRIATE RESOURCES LTD, Apr/98. Assessment Report #093784 by W.A. Wengzynowski.

GEOLOGICAL SURVEY OF CANADA Map 13-1961.

MINERAL INDUSTRY REPORT 1974, p. 137; 1977, p. 62-63; 1978, p. 40.

MURPHY, D.C et al., 2001. Preliminary Bedrock Geology Map of Northern Finlayson Lake Area (NTS 105G), Yukon Territory (1:100 000 scale), Open File 2001-33.

MURPHY et al., 2001. Finlayson Lake Targeted Geoscience Initiative (southeastern Yukon), Part 1: Bedrock Geology. In Yukon Exploration and Geology, 2001, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 189-207.

PIGAGE, L.C., 2001. Geological map of Anvil District (NTS 105K/2, 3, 5, 6, 7, 11) central Yukon (1:100 000 scale). Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Open File 2001-31.

TENAS JOINT VENTURE, 1977. Assessment Report *#061652 by F.M. Smith.

TENAS JOINT VENTURE, 1977. Assessment Report *#061653 by C.A. Ager.

TENAS JOINT VENTURE, 1977. Assessment Report *#090262 by F.M. Smith et al.

Work History

Date	Work Type	Comment
12/31/1997	Drilling	Three holes, 556 m. Holes drilled vertically and located approximately 100 m east, south, and west of DDH 77-1.
12/31/1996	Geology	
12/31/1996	Geochemistry	Also silt sampling.
12/31/1996	Other	
12/31/1979	Drilling	Twenty holes, 3,412.5 m. Wide spread drilling.
12/31/1978	Airborne Geophysics	Also magnetic survey.
12/31/1977	Ground Geophysics	
12/31/1977	Drilling	Two holes, 455 m.
12/31/1977	Geology	
12/31/1977	Geochemistry	
12/31/1974	Geochemistry	Reconnaissance scale.
12/31/1974	Ground Geophysics	Reconnaissance scale.
12/13/1978	Ground Geophysics	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
093784	1997	Assessment Report Describing Soil Geochemistry and Diamond Drilling on the Skate Property	Diamond - Drilling, Soil - Geochemistry	3	556
093639	1996	Assessment Report Describing Geological Mapping, Prospecting and Geochemistry on the Skate Property	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
090438	1978	Helicopter Magnetic and Electromagnetic Survey	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		
092905	1977	Du Pont of Canada Exploration Limited Tenas Project	Diamond - Drilling	2	454.40
061652	1977	Report on Geochemical Soil Survey of the Project Area	Soil - Geochemistry		
061653	1977	Tenas Project Gravity Survey	Gravity Survey - Ground Geophysics		
090262	1977	[Reports on Gravity, Geochemistry and Geology on the Tenas Project]	Soil - Geochemistry, Bedrock Mapping - Geology, Gravity Survey - Ground Geophysics		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC000053	Geological Map - Tenas Creek		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC012007	Regional geology map - Tenas Creek - MacMillan project		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC012004	Geological - Mal, Bar, Wop, Tenas, Bell and T mineral claims - Tenas option - Map No. 2		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC012000	Geological map - Tenas project - Map 1 of 4		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC011999	Geological map - Tenas project - Map 2 of 4		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC011998	Geological map - Tenas project - Map 3 of 4		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC012006	Area regional compilation - Geological map - Tenas Creek		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC011987	Area regional compilation - Station location map & numbers - Tenas Creek		Property File Collection	Geoscience Map (General)
ARMC017996	Purchase option - TER property		Property File Collection	Report