



Occurrence Details

Occurrence Number: 105B 086

Occurrence Name: Cusp

Occurrence Type: Hard-rock

Status: Anomaly

Date printed: 8/5/2025 8:27:16 AM

General Information

Secondary Commodities: tin, tungsten, zinc

Deposit Type(s): Vein and Greisens Sn

Location(s): 60°12'49.2" N - -131°39'.18" W

NTS Mapsheet(s): 105B04

Location Comments: .Based on location of soil anomaly in AR 090778

Hand Samples Available: Yes

Last Reviewed:

Capsule

Work History

Staked as part of a large block of DU claims (1-239, YA28903) between June and Jul/78 by the Klinkit Joint Venture (DuPont of Canada Exploration Limited & Duval International Corporation). The DC Syndicate (Dome Mines Limited & Cominco Limited) tied on Zinc cl 1-16 (YA33021) to the west in Jun/78. The Zinc claims were staked to cover an area where silt sampling in 1976 had indicated anomalous tin values in three small creeks. In 1978, the property was explored with geological mapping and geochemical sampling. Soil sampling to the south took place in 1979. In 1981, a ground magnetic survey and soil and rock sampling occurred. The DuPont interest was transferred to CSA Minerals Inc in 1984 and to Goldsearch Inc in 1985. In 2006, the Seagull claims were staked over the occurrence. In 2012, widespread rock sampling across the Seagull Batholith took place, although none were taken at the occurrence. In 2014, an airborne magnetic and radiometric survey covered almost the entire Seagull Batholith. In 2018, the area was restaked as the JC 1-101 claims and an airborne magnetic and radiometric survey was flown over the property.

Capsule Geology

This occurrence lies within a belt of Yukon-Tanana Terrane rocks. This belt of rocks is part of an accreted island arc assemblage consisting of bimodal volcanics, coeval plutons and sedimentary rocks, as well as younger Jurassic intrusive rocks and overlap assemblages and Cretaceous intrusions. The occurrence is hosted in mid-Cretaceous Seagull Batholith quartz monzonite.

The occurrence is based on a cluster of tin-in-soil anomalies ranging up to 185 ppm Sn from sampling in 1978 and 1981.

Work History

Date	Work Type	Comment
12/31/1979	Geology	
12/31/1979	Geochemistry	soil sampling south of the occurrence
12/31/1978	Geology	
12/31/1978	Geochemistry	
12/13/2018	Airborne Geophysics	
12/13/2018	Airborne Geophysics	
12/13/2014	Airborne Geophysics	
12/13/2014	Airborne Geophysics	
12/13/1981	Geochemistry	
12/13/1981	Geochemistry	
12/13/1981	Ground Geophysics	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097201	2018	Memorandum Report of Exploration Work 2018 - Jaycee Tin Property	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Rock - Geochemistry		
096722	2014	STAKING, SOIL SAMPLING, PROSPECTING AND AIRBORNE GEOPHYSICS REPORT - SEAGULL TIN PROJECT	Magnetic - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry		
096335	2012	Airborne Geochemical Sample Survey - Seagull Tin Project	Silt - Geochemistry		

094724	2006	Geochemical Report on the Seagull Property	Rock - Geochemistry, Soil - Geochemistry		
090778	1981	Geological Geochemical Geophysical Report Zinc 1-16 Claim Group	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Magnetics - Ground Geophysics		
090457	1979	Geological, Geochemical Report on the Zinc 1-16 Mineral Claims	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology		
090557	1979	Klinkit Joint Venture (Du Pont of Canada Exploration Limited with Dival Mining Limited) 1979 Programme, Yukon Territory	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Detailed Bedrock Mapping - Geology, Petrographic - Lab Work/Physical Studies, Prospecting - Other		
090470	1978	Klinkit Joint Venture: 1978 Field Programme for Duval International Corporation and Du Pont of Canada Exploration Limited	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Geotechnical - Studies		

Related References

Number	Title	Page(s)	Reference Type	Document Type
2004-2	Bedrock Geology, Dorsey Lake (NTS 105B/4), southern Yukon (1:50,000 scale)		Yukon Geological Survey	Open File (Geological - Bedrock)
YEG1999-11	Wolf Lake project: Revision mapping of Dorsey Terrane assemblages in the upper Swift River area, southern Yukon and northern B.C.		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report Paper

Drill core at YGS core library

Number	Property	Year Drilled	Core Size	Photos	Data
DDH-80-K4	Cusp	1984	NQ	28	0
KL-84-1	Cusp	1984	BQ	4	0
KL-84-3	Cusp	1984	BQ	4	0
KL-84-4	Cusp	1984	BQ	6	0
KL-84-6	Cusp	1984	BQ	2	0
DDH-80-K5	Cusp	1980	NQ	18	0