



Occurrence Details

Occurrence Number: 105A 018
Occurrence Name: Balon
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 4/29/2025 4:03:46 PM

General Information

Secondary Commodities: cadmium, copper, gold, lead, zinc
Aliases: Hyland River, Spook
Deposit Type(s): Sediment hosted Sedimentary Exhalative Zn-Pb-Ag (Sedex)
Location(s): 60°18'55" N - -128°4'20" W
NTS Mapsheet(s): 105A08
Location Comments: 1 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as HY cl 1-62 (YA34614) in Aug/78 by Cordilleran Engineering based on the results of a regional stream sediment sampling program. Cordilleran carried out geological mapping and geochemical soil sampling in 1979.

In 1980, following a regional geochemical and geological mapping program, Cyprus Anvil Mining Corporation staked GS cl 1-96 (YA55840) in Aug/80 to surround the 36 remaining HY claims. At the same time Cyprus Anvil staked SF cl 1-28 (YA55812) contiguously to the north and subsequently optioned the HY claims from Cordilleran. In 1981 the company carried out soil geochemical sampling and geological mapping. During this period Noranda Exploration Company Ltd tied on the MJM cl 1-20 (YA66431) to the north in Jul/81.

The occurrence was restaked as RIS cl 1-52 (YA72116) in Oct/84 by C. Verley.

During October and Nov/94 Westmin Resources Ltd restaked the occurrence as SPK cl 1-130 (YB56577). Westmin expanded the claim block eastward onto the 095 D\5 Map Sheet by staking SPK cl 131-780 (YB57089) in Feb/95. The company carried out regional geochemical stream sediment sampling and geological mapping during May and Jun/95, before completing 715 line-km of airborne magnetic and radiometric geophysical surveying in mid June. During July and Aug/95 Westmin carried out grid soil sampling of the occurrence and contour soil sampling of eastern and southern portions of the claim block.

Restaked as Zap cl 1-20 and 23-44 (YB93334) in Jul/2001 by Aurora Geosciences Ltd, which carried out prospecting, geochemical rock, stream sediment and detailed soil sampling and hand trenching later in the year.

Capsule Geology

The claims cover an area underlain by Upper Proterozoic to Lower Cambrian Hyland Group sediments consisting of green and purplish, gray to maroon phyllite, coarse quartz and feldspar grit, shale and limestone. Numerous, randomly oriented Cretaceous(?) aged quartz-feldspar porphyry dikes reportedly intrude the sedimentary rocks.

Cyprus Anvil noted that of the three elements (Cu, Pb and Zn) the soil samples were analysed for, lead appeared to be the most responsive and was found to generally outline areas containing outcroppings of intrusive rock although several anomalies apparently were unrelated to the intrusions. Zinc anomalies mostly confined to areas with poorly developed drainage were thought to be hydromorphic in nature, while copper anomalies often outlined known intrusive outcrops in which minor chalcopyrite was observed.

Westmin staked the claims to cover presumed sources of gold anomalies in stream sediments, and also to cover known Zn-Cu-Pb soil anomalies. Soil sampling better defined some anomalies known from 1981. The company speculated that the bedrock source of these anomalies was likely the local bedrock, as float boulders within the gridded area locally contain up to 45 ppb Au, 1 485 ppm Cu, >10 000 ppm Pb and >10 000 ppm Zn. The source of a float boulder containing massive pyrrhotite, pyrite and chalcopyrite discovered in the northern part of the property was not located. Interpretation of the magnetic data revealed a large, subtle, subcircular magnetic low underlying the west-central part of the property thought to be due to an underlying igneous intrusion. A circular magnetic low identified southeast of this feature was assumed to have been the result of alteration by destruction of magnetite.

Work carried out by Aurora in 2001, confirmed previously identified areas anomalous in Pb, Zn, Cd and Ag and served to further define these anomalies. Of note was the fact that all of the more highly anomalous areas occur in deeply incised creek valleys at roughly the same elevation, suggesting that the creeks may be exposing the same, probably flat lying stratigraphic horizon. Trenching in the central region of the claim block encountered broken shaley bedrock and while failing to identify the source of the soil anomalies did indicate anomalous Pb-Zn values in progressively lower soil horizons further upslope.

References

AURORA GEOSCIENCES LTD, Jan/2002. Assessment Report #094266 by S. Casselman.

CYPRUS ANVIL MINING CORPORATION, Nov/81. Assessment Report #090893 by D.A. Perkins and J.W. Mustard.

WESTMIN RESOURCES LTD, May/96. Assessment Report #093467 by D.J.Pawliuk.

YUKON EXPLORATION 1984, p. 42.

YUKON EXPLORATION AND GEOLOGY 1981, p. 94, 95.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 141.

Work History

Date	Work Type	Comment
12/31/2001	Geochemistry	
12/31/2001	Geochemistry	

12/31/2001	Trenching	
12/31/1995	Geology	
12/31/1995	Geochemistry	Grid and contour sampling.
12/31/1995	Geochemistry	
12/31/1995	Airborne Geophysics	Also radiometric survey.
12/31/1981	Geology	
12/31/1981	Geochemistry	
12/31/1979	Geology	
12/31/1979	Geochemistry	
12/31/1978	Geochemistry	
12/13/2001	Geochemistry	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
093467	1996	1995 Assessment Report Spook Property (SPK 1-18, SPK 25-352, SPK 355-780 Mineral Claims) Geological Mapping, Lithogeochemical Sampling, Stream Sediment Sampling, Soil Sampling and Airborne Geophysical Surveys	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
090893	1981	Geochemical Soil Sampling and Linecutting on the SF, GS, HY Claims	Soil - Geochemistry, Line Cutting - Other		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC009226	Geochemical survey map - Barium results - SF, GS, and HY mineral claims		Property File Collection	Geochemical Map
ARMC009227	Geochemical survey map - Lead results - SF, GS, and HY mineral claims		Property File Collection	Geochemical Map
ARMC009228	Geochemical survey map - Zinc results - SF, GS, and HY mineral claims		Property File Collection	Geochemical Map
ARMC009229	Geochemical survey map - Copper results - SF, GS, and HY mineral claims		Property File Collection	Geochemical Map
ARMC009230	Geochemical survey map - barium results - SF, GS, and HY mineral claims		Property File Collection	Geochemical Map
ARMC009239	1981 line cutting map - Anmac Project - Sun, Moon,Till, Hy, SF & GS claims		Property File Collection	Geoscience Map (General)
ARMC009241	Map - SF, GS, and HY mineral claims - Sheet 1 of 2		Property File Collection	Geoscience Map (General)
ARMC009242	Map - SF, GS, and HY mineral claims - Sheet 2 of 2		Property File Collection	Geoscience Map (General)
ARMC009243	Sunrise Creek preliminary reconnaissance-type mapping		Property File Collection	Geochemical Map
ARMC009244	Geological map - SF, GS, and HY mineral claims - Map 1		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC009245	Magnetometer survey map - SF, GS, and HY mineral claims		Property File Collection	Geophysical Map
ARMC009246	Geochemical survey map - Copper results - SF, GS, and HY mineral claims		Property File Collection	Geochemical Map
ARMC009247	Geochemical survey map - Lead results - SF, GS, and HY mineral claims		Property File Collection	Geochemical Map
ARMC009248	Geochemical survey map - Zinc results - SF, GS, and HY mineral claims		Property File Collection	Geochemical Map
ARMC007829	Geochemical samples results map - Cu, Pb, Zn - Sunrise Creek - Anmac project		Property File Collection	Geochemical Map
ARMC007830	Heavy mineral sampling map - Sunrise Creek - Anmac project		Property File Collection	Geochemical Map
ARMC013329	Preliminary evaluation - Hy and Sun claim groups - Watson Lake mining district, Y.T.		Property File Collection	Geoscience Map (General)
ARMC013323	Property information form - Hyland River area (Watson Lake) - 105A/8 and map		Property File Collection	Geophysical Map
ARMC013	UV SF GS magnetometer survey map		Property File	Geophysical Map

322	M81189 magnetic survey map		Collection	Geophysical map
ARMC013321	1981 Anmac project - Geological and geochemical report on the HY-GS-SF claim group - Field work completed May 1 to July 31, 1981 and Sept 17-22, 1981		Property File Collection	Report
ARMC013318	Notes and graphs on Cu, Pb, Zn & Ba - Hy claims		Property File Collection	Miscellaneous Company Documents
ARMC013315	Map of SF, GS and Hy mineral claims - Watson Lake district - Sheet 1 of 2		Property File Collection	Geoscience Map (General)
ARMC013316	Map of SF, GS and Hy mineral claims - Watson Lake district - Sheet 2 of 2		Property File Collection	Geoscience Map (General)
ARMC013317	Legend sheet - SF, GS and Hy mineral claims		Property File Collection	Miscellaneous Company Documents
ARMC018639	Field map - 105A/8 - Sunrise Creek		Property File Collection	Geoscience Map (General)
ARMC019487	Geochemical field notes - Hy area		Property File Collection	Miscellaneous Company Documents
ARMC019488	Field notes - Hy, Sun-Moon & Till		Property File Collection	Miscellaneous Company Documents
ARMC019489	Field notes - Hy notes		Property File Collection	Miscellaneous Company Documents
ARMC019492	Field notes - Hy notes		Property File Collection	Miscellaneous Company Documents
ARMC019493	Field notes - Hy claims		Property File Collection	Miscellaneous Company Documents
ARMC017031	Correspondence re: Galena analyses from M8189, M8118 and Sun/Moon		Property File Collection	Miscellaneous Company Documents
ARMC017589	Correspondence to Anvil Mining regarding Pb isotope data with sketch		Property File Collection	Miscellaneous Company Documents