



Occurrence Details

Occurrence Number: 105F 020

Occurrence Name: Eros

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 12/15/2025 10:20:18 PM

General Information

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

Deposit Type(s): Volcanogenic Massive Sulphide (VMS) Kuroko Cu-Pb-Zn

Location(s): 61°35'34" N - -132°21'12" W

NTS Mapsheet(s): 105F09

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Eros cl 1-8 (YA617) in Aug/76 by a joint venture between Cyprus Anvil Mining Corporation and Hudson's Bay Oil and Gas Company Ltd. The companies carried out soil geochemical sampling, magnetometer and EM surveying in 1977 and geological mapping, geochemical sampling and drilled one hole (267.2 m) in 1978. Restaked within Eve cl 1-138 (YA99622) in Dec/86 by Mountain Province Mining Inc, which carried out geological mapping, silt, contour soil and rock sampling and prospecting in 1987; contour soil sampling and geological mapping east of the occurrence in 1988; and IP geophysical surveying in 1989, as well as relogging the 1978 drill core. In Oct/94, Mountain Province staked Wild cl 1-36 (YB56404) contiguously to the north-northwest of the eight remaining Eve claims. The company carried out soil sampling in 1995 and soil sampling and trenching in 1997. Restaked as Eros cl 1-4 (YB93599) in Feb/2002 by Eagle Plains Resources Ltd which carried out geological mapping, silt and soil sampling, prospecting and located and resampled several trenches dug by previous operators. In Jul/2002 the company staked Eros cl 5-14 (YB93802) to the west thereby covering prospective stratigraphy in the area and joining the claims with the neighboring Fire (Minfile Occurrence #105F 071) and Ice (Minfile Occurrence #105F 073) properties.

Capsule Geology

This occurrence lies about 1.6 km north of an occurrence of minor copper in phyllite noted by the Geological Survey of Canada in the late 1950s. The area is underlain by Mississippian felsic volcanic rocks faulted against Devonian to Mississippian phyllite, shale and carbonate. Regionally, mafic dykes of unknown age as well as Mississippian syenite intrude the sedimentary and volcanic rocks. A 140 by 450 m gossanous zone of ferricrete is developed down slope from the fault. The zone is strongly anomalous in Pb, Zn, Ag, Cu, As and Au and has been traced back upslope by soil sampling and trenching. The 1978 Cyprus Anvil drill hole was collared 200 m north of the ferricrete zone and intersected unmineralized volcanic and sedimentary lithologies. Mountain Province originally speculated that a potentially mineralized interval, if weathered, may have been lost as overburden in the top 25.1 m of the drill hole. Results of subsequent soil sampling carried out by the company suggests that the source of the anomaly may lie upslope and to the north of where Cyprus Anvil collared their drill hole. Eagle Plains Resources' exploration program was centered over Eros cl 1-4, located at the eastern end of the claim block. The rock, soil and silt geochemical results mirrored those reported by previous operators and returned elevated values in many elements considered indicative of volcanogenic massive sulphide (VMS) mineralization. In addition the company's work indicates that the ferricrete/gossan zone probably extends well above the 1978 drill collar location. Soil samples collected northeast of the zone are generally higher in copper while the ferricrete/gossan zone samples are higher in gold and silver. Limited geological mapping carried out by Eagle Plains suggests that the Eros claims share a common depositional, alteration and tectonic history with the adjoining Fire and Ice (Minfile Occurrences #105F 071 and 073) properties.

References

- CYPRUS ANVIL MINING CORPORATION, Sep/77. Assessment Report #090194 by P. Dean.
- EAGLE PLAINS RESOURCES LTD, Nov/02. Assessment Report #094391 by C.C. Downie and C. Gallagher.
- EAGLE PLAINS RESOURCES LTD, Aug/2004. Web Site: www.eagleplains.bc.ca
- 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., 1999. Preliminary stratigraphy and distribution of Devono-Mississippian massive sulphide-bearing volcanic rocks in the Mount Vermillion area, Pelly Mountains (105G/5 and G/6), southeast Yukon. In: Yukon Exploration and Geology 1998, C.F. Roots and D.S. Emond (eds.), Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 73-89.
- HUNT, J.A., Volcanic-associated massive sulphide (VMS) mineralization in the Yukon-Tanana Terrane and coeval strata of the North American miogeoclinal, in the Yukon and adjacent areas. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Bulletin 12, 107 p.
- MINERAL INDUSTRY REPORT 1977, p. 82.
- MOUNTAIN PROVINCE MINING INC, Jan/88. Assessment Report #091996 by C.G. Verley.
- MOUNTAIN PROVINCE MINING INC, Sep/88. Prospectus Report #062300 by P.A. Christopher.
- MOUNTAIN PROVINCE MINING INC, Jan/89. Assessment Report #092656 by C.G. Verley.
- MOUNTAIN PROVINCE MINING INC, Mar/90. Assessment Report #092820 by C.G. Verley.
- MOUNTAIN PROVINCE MINING INC, Feb/94. Assessment Report #093177 by C.G. Verley.

MOUNTAIN PROVINCE MINING INC, Jan/96. Assessment Report #093473 by C.G. Verley.

MOUNTAIN PROVINCE MINING INC, Feb/98. Assessment Report #093802 by C.G. Verley.

YUKON EXPLORATION 1987, p. 160.

YUKON EXPLORATION AND GEOLOGY 1997, p. 19, 37; 2001, p. 10-11, 24.

YUKON GEOLOGY VOL. 2, p. 8-26.

Work History

Date	Work Type	Comment
12/31/2002	Geochemistry	
12/31/2002	Geology	
12/31/2002	Geochemistry	
12/31/2002	Geochemistry	
12/31/1989	Ground Geophysics	
12/31/1988	Geology	
12/31/1988	Geochemistry	
12/31/1987	Geochemistry	
12/31/1987	Geology	
12/31/1987	Geochemistry	
12/31/1987	Geochemistry	
12/31/1980	Drilling	One hole, 269.75 m.
12/31/1978	Geology	
12/31/1978	Geochemistry	
12/31/1977	Geochemistry	
12/31/1977	Ground Geophysics	Also magnetic survey.
12/13/1997	Geochemistry	
12/13/1997	Trenching	
12/13/1995	Geochemistry	
12/13/1989	Geochemistry	Re-sampled 1978 core.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
094615	2006	Geological Report for the Eros Property	Rock - Geochemistry, Bedrock Mapping - Geology		
094391	2002	Geological Report for the Eros Property Pelly Mountain Project Eros 1- 14 Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Regional Bedrock Mapping - Geology, Prospecting - Other		
093802	1997	Geochemical & Trenching Report on the Wild-Eve Claims	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Petrographic - Lab Work/Physical Studies, Backhoe - Trenching		
093473	1995	Geochemical Report on the Wild-Eve Claims	Soil - Geochemistry		
093177	1993	Report on Diamond Drill Core from the Eve Claims	Diamond - Drilling	1	227
092820	1989	Geological, Geochemical and Geophysical Report on the Eve, PS, White and Whyte Claims	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, IP - Ground Geophysics, Magnetics - Ground Geophysics, Backhoe - Trenching		
092656	1988	Geochemical Report on the Eve, White and Whyte Claims	Soil - Geochemistry		
091996	1987	Preliminary Geological and Geochemical Report on the Eve and White Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, IP - Ground Geophysics, Magnetics - Ground Geophysics, Backhoe - Trenching		
091767	1987	1987 Geophysical Assessment Report, High River/Quillo Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		
062300	1987	Report on the White-Eve Property	Rock - Geochemistry, Bedrock Mapping - Geology, Data Compilation - Pre-existing Data		
			Soil - Geochemistry, EM - Ground Geophysics, Magnetics - Ground		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC002863	Claim map and proposed DDH site - Pelmac project - Eros claims		Property File Collection	Geoscience Map (General)
ARMC014318	Regional geology - Pelly Mountains - Pelmac project - Field work completed from July - September 1980		Property File Collection	Report
ARMC014373	Geochemical log - DDH80-E-03 - Eros		Property File Collection	Drill Logs
ARMC014364	1978 geochemistry sampling survey - Soil samples & chip samples - Air photo overlay A12340-96		Property File Collection	Geochemical Map
ARMC014362	1978 soil geochemistry results Cu, Pb, Zn - Eros claims - Pelmac project		Property File Collection	Geochemical Map
ARMC014367	1980 field season - Pelmac - Eros claims - Air photo overlay A12340-96		Property File Collection	Geoscience Map (General)
ARMC014371	Sketch map - Eros claims		Property File Collection	Geoscience Map (General)
ARMC014359	Geological report with map - Eros claim group - Pelmac project - Work completed from July to August 1980		Property File Collection	Report
ARMC014313	Pelly project summary report: 1978 - Watson Lake mining district, Yukon Territory - Field work done during the period: June 12 - August 30, 1978		Property File Collection	Report
ARMC020382	Liefer's map of Mt. Misery area - Sheet 3, 105F/9 with hand drawn markings		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC020394	Field notes - Pelly Mountains - Anise, Howru, Vangorda, Eros claims		Property File Collection	Miscellaneous Company Documents
ARMC014369	Eros 1976 soil geochemistry - Air photo overlay A12340-95		Property File Collection	Geochemical Map
ARMC014368	Eros 1977 picket grid - Eros claims		Property File Collection	Geoscience Map (General)
ARMC014363	Eros 1978 geology - Air photo overlay A12340-95		Property File Collection	Geoscience Map (General)
ARMC014366	Eros claim grid line - 1977 Field work - Geochem - With notes from 1979 and 1980		Property File Collection	Geochemical Map
ARMC014360	Eros claims - Pelmac project		Property File Collection	Geoscience Map (General)
ARMC014370	Eros geochem grid - Figure 8		Property File Collection	Geochemical Map
ARMC014365	Cyprus Anvil geochem report - Results for Cu, Pb, Zn, and Ag - Eros - File No. 8085		Property File Collection	Miscellaneous Company Documents
ARMC014372	Certificate of assay - No. K-3279 - Eros 80-E-01		Property File Collection	Assays
ARMC014361	Claim map & Proposed DDH site - Eros claims - Pelmac project		Property File Collection	Geoscience Map (General)
ARMC014374	Diamond drill record - Hole #80-ER-01 - Eros		Property File Collection	Drill Logs

Drill core at YGS core library

Number	Property	Year Drilled	Core Size	Photos	Data
80-E-01	Eros	1980	BQ	18	1