



Occurrence Details

Occurrence Number: 105D 031

Occurrence Name: Wheaton Mountain

Occurrence Type: Hard-rock

Status: Deposit

Date printed: 12/16/2025 5:57:18 PM

General Information

Primary Commodities: gold, silver

Secondary Commodities: copper, lead

Aliases: Gopher Vein

Deposit Type(s): Epithermal Au-Ag-Cu: High Sulphidation

Location(s): 60°15'11" N - -135°2'12" W

NTS Mapsheet(s): 105D06

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Silver King #2, Acme & Comstock cl (8740) in Aug/06 by C.I. Burnside, L. Belney, J. Perkins and others, who explored with trenching and a 6 m shaft until 1912. The property was taken to lease in 1915.

Restaked as Alta cl 1-100 (Y8085) in May/66 by Silver Pack Mines Ltd, which performed mapping and sampling. Restaked as Not cl 1-2 (YA78958) and Wheaton cl 1-7 (YA81535) in Nov/83 by Tally-Ho Exploration Ltd, which carried out mapping, sampling and trenching in 1984 on behalf of Wheaton River Joint Venture (Tally-Ho, Euro-Petroleum Corporation and Wescliff Resources Ltd). Wescliff's interest was transferred to Permian Resources Ltd in 1985 when the joint venture performed geochemical sampling and bulldozer trenching. The Wheaton River JV claims were transferred to Academy Resources Ltd, which carried out bulldozer trenching and drilling (4 holes) in 1987 and trenching in 1988 and shipped a small bulk sample in 1989. In 1990 Academy added the Willie cl 1-10 (YB21941) and carried out further bulk sampling and drilling. Metallurgical tests were conducted on four 227 kg bulk samples. Academy carried out trenching and rock geochemical sampling on the Wheaton, Tony and Willie claims in Jul/93.

The adjoining Era cl 1-20 (YA82063) to the east were staked in Jun/85 by Barker Creek Placer Exploration Corporation and Silver Mountain Resources Ltd and sold to New Era Developments Ltd and Havilah Gold Mines Ltd, which carried out geochemical sampling in 1985 and prospecting and a magnetometer surveying in 1986 before forming a joint venture with Shogun Development Corporation. Other adjoining claims staked during this period include Fanin cl 1-6 and 13-24 (YA86164) 3 km to the north by McCrory Holdings Ltd and subsequently optioned to Newhawk Gold Mines Ltd. Newhawk carried out geological mapping, and geochemical sampling of the Fanin claims in 1985.

J. Magrath tied on Mag cl 1-10 (YB07703) to the northeast in Aug/87 and transferred them to Mepremundo S.A. in 1988. Magrath staked Rath cl 1-12 (YB08308) to the east in Oct/89. In Oct/90, Magrath partially re-staked the Rath claims as Rath cl 1-10 (YB35427) for Camas Resources Ltd and staked Jaycee cl 5-6 (YB35439) to the west at the same time.

K. Malchow tied on the Quimet cl 1-17 (YB27333) to the north in May/90 and carried out prospecting, trenching and shafting in Apr/91.

Magrath staked Jaycee cl 7-8 (YB36971) in Aug/92. P. Plicka staked New cl 1-12 (YB37679) on the east side of Mt Wheaton in Dec/92, and D. Pack staked Pac cl 1-4 (YB36973) 1 km further east near the Wheaton River in Aug/92. Merlin Resources Inc restaked the Rath claims as Rath cl 1-6 (YB37981) in May/93 and Rath cl 7-12 (YB38013) in June/93. In June/93, the Mike cl 1-6 (YB38051) and Max cl 1-12 (YB38039) were staked by to M. Lindner. A trenching and sampling program was conducted on the Willie cl 1-10 (YB21941) in Sept/93.

In Dec/96 Daley Resources Ltd restaked the MR claims as Buf cl 1-16 (YB96999), the Tony claims as Alo cl 1-16 (YB97015) and the Willie claims as Tag cl 1-8 (YB97047). Daley Resources carried out prospecting and geochemical sampling in 1997 and 1998 and grid soil sampling in 1999.

Capsule Geology

The early work located a quartz vein with galena and chalcopyrite in a shaft on the MacDonald Fraction on the west side of the summit. Samples collected by the GSC in 1915 assayed less than 1.7 g/t in Au and Ag combined. A similar vein containing an irregular quartz lens up to 2.1 m wide was found cutting greenstone on the Gopher claims. On the Silver Queen claim, at the north end of the summit, a 10 m quartz vein contains galena and pyrite. Sampling by Silver Pack Mines Ltd gave assays of 28.8 g/t Au and 17.1 g/t Ag from a specimen taken from the Silver Queen Showing and 5.5 g/t Au and 435.5 g/t Ag from a specimen off the MacDonald Fraction shaft dump.

The 1984-88 work was directed toward the Silver Queen Showing on Wheaton 5 and 6 claims. Several parallel veins 0.2 to 4.3 m wide are associated with Eocene rhyolite, andesite breccia and tuff over a width of 50 m. The best assays obtained were 294.9 g/t Au and 143.9 g/t Ag from a specimen of quartz and minor chalcopyrite from the centre pit; 180.8 g/t Au and 185.1 g/t Ag from a specimen of float uphill from the south pit; and 34.9 g/t Au and 37.9 g/t Ag across 3.1 m from Hole 87-2. Trenching in 1988 exposed a 13.2 m length of vein from which three large chip samples averaged 24.3 g/t Au and 37.7 g/t Ag.

Academy recalculated the reserves (in 1989) as 4 536 tonnes grading about 17.2 g/t Au and 34.3 g/t Ag. The 1989 drilling on the Wheaton claims intersected silicified, brecciated andesite and a 3.7 m zone of green chalcedony breccia containing fine-grained pyrite, pyrrhotite and galena. Samples of vein quartz exposed in a bulldozer trench assayed up to 106.4 g/t Au over 0.8 m. The 1990 work traced a zone of greenish chalcedonic quartz veins and chlorite-clay alteration over a vertical extent of 1 069 m. Sampling in 1993 of the Gopher vein returned assays as high as 38.6 g/t Au over 0.62 metres.

On the adjoining Rath claims, mineralized quartz veins occur in andesite breccia, close to the faulted contact between granodiorite and a porphyry dyke.

Havilah discovered a new vein cutting granodiorite on the Era claims in 1986. The vein strikes east-west, dips 25 to 80° south and contains galena and pyrite with minor chalcopyrite and sphalerite. Specimens assayed up to 35.3 g/t Au and 6171 g/t Ag.

Prospecting by Daley Resources in 1997 and 1998 located mineralized quartz float that returned high Pb (up to 48.2 %) and Ag (up to 2 950 g/t) and granitic float containing chalcopyrite. No source for either float type was determined and soil sampling was undertaken in 1999 in an attempt to locate a source. Analysis of the samples for Cu and Au returned only a few spotty Au values and the claims have since been allowed to lapse.

References

ACADEMY RESOURCES LTD, Sep/89. Assessment Report #092749 by G. MacDonald.

ACADEMY RESOURCES LTD, Feb/94. Assessment Report #093166 by J.A. vanRanden.

BARKER CREEK PLACER EXPLORATION CORPORATION, Apr/87. Assessment Report *#091939 by J. Devlin.

DALEY RESOURCES INC, Jun/98. Assessment Report #093838 by G.C. MacDonald.

DALEY RESOURCES INC, Aug/99. Assessment Report #094002 by G.C. MacDonald.

DALEY RESOURCES INC, Jun/2000. Assessment Report #094142 by W.G. Timmins.

GEOLOGICAL SURVEY OF CANADA, 1907. Summary Report, 1906, Part A, p. 27.

GEOLOGICAL SURVEY OF CANADA, 1910. Summary Report 1909, p. 53.

GEOLOGICAL SURVEY OF CANADA, Memoir 31, p. 108; Memoir 312, p. 122-123.

GEORGE CROSS NEWSLETTER, 23 Nov/90; 4 Dec/90; 22 Mar/91.

MERLIN RESOURCES LTD, Nov/91. Assessment Report #092985 by P. Plicka.

NEWHAWK GOLD MINES LTD, Nov/85. Assessment Report *#091662 by G.S. Davidson and R. Robertson.

SILVER PACK MINES LTD, Nov/66. Assessment Report #017504 by W.B. McCrindle.

Work History

Date	Work Type	Comment
12/31/1999	Geochemistry	
12/31/1998	Geochemistry	
12/31/1998	Other	
12/31/1997	Geochemistry	
12/31/1997	Other	
12/31/1993	Geochemistry	
12/31/1993	Trenching	
12/31/1989	Other	
12/31/1988	Trenching	
12/31/1987	Drilling	Number of holes drilled: 4
12/31/1987	Trenching	
12/31/1985	Trenching	
12/31/1985	Other	
12/31/1984	Geology	
12/31/1984	Trenching	
12/31/1984	Other	
12/31/1966	Geology	
12/31/1966	Other	
12/31/1906	Trenching	
12/31/1906	Other	Amount of work done: 6 METRES

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
093699	1996	Geological Mapping and Geophysical Survey Program on the Dickson Hill and Mineral Hill Properties	Rock - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics, Prospecting - Other		
091662	1985	Prospecting and Geochemical Sampling, Fanin 1-6,13-24 Claims	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other		
017504	1966	Report on the Geological and Diamond Drill Programs on the Tally-Ho Gulch, Alta and Car Claim Groups	Diamond - Drilling, Drill Core - Geochemistry, Drill Cuttings - Geochemistry, Rock - Geochemistry	5	459.94

Resource/Reserve

Year	Zone	Type	Commodity	Grade	Tonnage	Amount	Reported Amount	43-101 Compliant	Cut-off
1990	GOPHER VEIN (OPEN PIT)	Historical Estimate	gold	17.14 g/t	4,536	77747.04	No	No	Unknown

The 1990-91 Canadian Mines Handbook reports a geological resource of 5,000 tons averaging 0.5 ounce per ton gold and 1 ounce per ton silver. Figure was dropped in 1991-92 edition. According to assessment report # 093166, page 4, the zone (Gopher vein) contains a minimum reserve of 4,400 tons grading 0.7 ounces per ton gold and 0.7 ounces per ton silver. No data provided on how Canadian

Mines Hand calculation was prepared. Figure not reliable.

1990	GOPHER VEIN (OPEN PIT)	Historical Estimate	silver	34.3 g/t	4,536	155584.80	No	No	Unknown
------	------------------------	---------------------	--------	----------	-------	-----------	----	----	---------

The 1990-91 Canadian Mines Handbook reports a geological resource of 5,000 tons averaging 0.5 ounce per ton gold and 1 ounce per ton silver. Figure was dropped in 1991-92 edition. According to assessment report # 093166, page 4, the zone (Gopher vein) contains a minimum reserve of 4,400 tons grading 0.7 ounces per ton gold and 0.7 ounces per ton silver. No data provided on how Canadian Mines Hand calculation was prepared. Figure not reliable.