



Occurrence Details

Occurrence Number: 105H 009
Occurrence Name: Glenna
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 12/16/2025 7:37:37 AM

General Information

Primary Commodities: bismuth, lead, silver, tungsten, zinc
Aliases: Hy, Ace, Arm, Cu, Ecl, Lake, Marg, Cliff
Deposit Type(s): Skarn
Location(s): 61°16'14" N - -128°34'56" W
NTS Mapsheet(s): 105H07
Location Comments: .5 Kilometres
Hand Samples Available: Yes
Last Reviewed:

Capsule

Work History

Staked as the Lake cl (89143) and Glenna cl (89250) in June and Aug/65 by Norquest JV (Anaconda, Asbestos Corp., Bralorne Pioneer, Granby, New Jersey Zinc and Utah) which explored with mapping, sampling and a mag survey in 1965 and 1966. The claims reverted to the original prospectors and were optioned in 1967 by Monarch Met ML, which built a 19 km tote trail in 1968 and explored with bulldozer trenching and 12 holes (453.8 m) in 1969. In 1970, Monarch optioned the property to Silver Mark ML, which trenched and drilled 18 holes (1624 m). The CU cl (Y41901) and Ace cl (Y41933) were tied on to the north and south, respectively, in Jan/70 by Welland Cons Mg L, which bulldozer trenched on the Ace group later in the year. The Ace group was restaked as Ace cl (Y71617) in Mar/73 by Dual Res L; and as ECL cl (Y74877) in Jun/74 by Denu M & Dev L and Tandem Res L. The ECL cl were then transferred to Dual Res L in 1975 and trenched in 1978 and 1979. The Lake and Glenna groups were restaked as Marg cl (YA33061) in Jun/78 by Tungco Res Corp and Morning Star ML, which trenched in 1979 and drilled 7 holes (641.0 m) in 1979 and 2 holes (282.9 m) in 1980. J.C. Turner added Arm cl (YA35915) to the west in Feb/79 and transferred the group to Denu M & Dev L and later to Armor Res L, which performed trenching later in the year. Restaked Apr/92 as part of a group of 96 Con cl (YB38403) by Placer Dome Inc, which performed reconnaissance prospecting and sampling later in the year.

Capsule Geology

Up to 25 concordant skarn layers with an average thickness of 0.9 m occur in an 80 m thick sequence of Devonian-Mississippian limestone, greywacke and argillite which has been traced for a distance of more than 8 km. Most skarn development occurs within 120 m of the Cretaceous Billings Batholith. The two main showings are the Cliff zone to the northwest and the Lower zone, 2.4 km to the southeast. Mineralization consists of pyrrhotite, sphalerite and galena with minor chalcopyrite and scheelite in epidote-diopside skarn. The Cliff zone has been traced for 1067 m and is up to 15.8 m thick. Chip sampling of trenches by R.G. Jury in 1970 gave assays of 1.5% Pb, 2.5% Zn and 195.4 g/t Ag across 9.8 m and 1.9% Pb, 1.3% Zn and 92.6 g/t Ag across 15.52047 m. 1970 drilling results were erratic and the best intersection was 1.3% Pb, 2.3% Zn and 68.6 g/t Ag across 7.1 m. The Lower zone has received less work, and the best assay reported was about 3% Pb, 7% Zn and 171.4 g/t Ag across 2.3 m. In 1992, Placer Dome explored the area for Fort Knox-style gold mineralization, but obtained no significant results. Work in 1996 resulted in the discovery of a 1m wide shear zone which returned 2.3% Pb, 1.25% Zn and 41.3 ppm Ag from a selected grab.

References

BRALORNE PIONEER MINES LTD, 1965. Assessment Report *#018910 by A.F. Reeve.

DICK, L.A., 1980. A comparative study of the geology, mineralogy, and conditions of formation of contact metasomatic mineral deposits in the northeastern Canadian Cordillera. Unpublished Ph.D. Thesis, Queen's University, p. 8, 163, 167, 179, 180, 403 etc.

GEOLOGICAL SURVEY OF CANADA, Paper 66-31, p. 71.

GEORGE CROSS NEWSLETTER, 12 Nov/68; 1 Sep/70.

MONARCH METAL MINES LTD, Jan/68. Prospectus Report by R.G. Jury.

MONARCH METAL MINES LTD, Jan/69. Annual Report by R.G. Jury.

MORNING STAR MINES LTD, Sep/79. Prospectus Report by D. Tully.

MORNING STAR MINES LTD, 1981. Assessment Report *#090827 by D.W. Tully.

SILVER MARK MINES LTD, 1970. Assessment Report #091176 by A. Mayo and R. Jury.

SILVER MARK MINES LTD, 13 Apr/71. Progress Report.

WELLAND CONSOLIDATED MINING LTD, Jul/70. B.C. Securities Commission, Open File Report by F.L. Croteau.

YUKON EXPLORATION AND GEOLOGY 1981, p. 141.

Work History

Date	Work Type	Comment
6/1/2013	Airphotography	

6/1/2013	Geochemistry	
6/1/2013	Geochemistry	
6/1/2013	Geochemistry	
6/1/2013	Geology	
6/1/2013	Other	
6/1/2007	Geochemistry	
6/1/2007	Airborne Geophysics	
6/1/2007	Airborne Geophysics	
6/1/2007	Other	
6/1/2007	Development, Surface	
12/31/1991	Geochemistry	
12/31/1991	Geochemistry	
12/31/1991	Other	
12/31/1980	Drilling	Two holes, 282.9 m.
12/31/1979	Drilling	Seven holes, 640 m.
12/31/1979	Trenching	Trenching was done on Ace, ECL, Marg, and Arm claims.
12/31/1978	Trenching	
12/31/1970	Drilling	Eighteen holes, 1,685.5 m.
12/31/1970	Trenching	
12/31/1969	Drilling	Twelve holes, 453.8 m.
12/31/1968	Development, Surface	Fifteen km tote trail.
12/31/1966	Geochemistry	
12/31/1966	Geology	
12/31/1966	Ground Geophysics	
12/31/1965	Geochemistry	
12/31/1965	Geology	
12/31/1965	Ground Geophysics	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096571	2013	Geochemical Sampling, Prospecting and Geological Mapping at the Hy Property	Orthophoto - Airphotography, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other		
095014	2007	Assessment Report Describing Geophysical Surveys, Geochemical Sampling and Prospecting at the HY Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, All Weather Road - Development, Surface, Soil - Geochemistry, Prospecting - Other		
091176	1969	[Diamond Drilling on Lake 10 and Glenna 7]	Diamond - Drilling	18	1685.70
018910	1965	Geological and Geophysical Investigation of the ""Lake"" #9 to #16 and ""Glenna"" #1 to #8	Rock - Geochemistry, Bedrock Mapping - Geology, Magnetics - Ground Geophysics		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC013714	Glenna - Lake claim group - Norquest joint venture		Property File Collection	Report
ARMC013307	Annual report for the year ending December 31, 1968 - Monarch Metal Mines Limited		Property File Collection	Report
ARMC013757	Correspondence, report and sketch maps - Glenna-Lake group		Property File Collection	Miscellaneous Company Documents