



Occurrence Details

Occurrence Number: 106D 015

Occurrence Name: Spring

Occurrence Type: Hard-rock

Status: Prospect

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General Information

Secondary Commodities: copper, silver

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

Location(s): 64°2'3" N - 135°18'48" W

NTS Mapsheet(s): 106D03

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Silver cl 1-24 (83758) in Dec/64 and Spring cl 1-14 (Y6675) in Nov/66 by J. Strebchuk. The claims were sold in Nov/67 to Silver Spring Mines Ltd, which conducted geochemical and geophysical surveys and bulldozer trenching in 1968. Canadian Reserve Oil & Gas Ltd conducted mag and EM surveys in 1971 under a joint venture agreement. K Djukanstein and J. Holmstrom staked Isa cl 1-4 (Y56263) and Punch cl 1-8 (Y56271) to the northwest in Oct/71. The claims were explored with geophysical surveys in 1972.

Restaked as JT cl 1-56 (YA40539) in Jun-Oct/79 and HL cl 1-32 (YA43492) in Feb/81 by J. Strebchuk. Optioned to Hacienda Oil & Minerals Ltd, which performed mapping, an airborne magnetic, EM and radiometric survey in 1979 and geological mapping and geochemical sampling in 1980 and 1981 and bulldozer trenching in 1982. The Helen cl 3-4 (YA76836) and King cl 1-6 (YA76838) were added to the east in Oct/82 by J. Strebchuk.

The JT and HL claims were optioned to Romex Resources Incorporated in May/83, explored with geophysical surveys and 14 percussion holes (823 m) in 1984, and transferred in May/85 to Julian Mining Corporation, which explored with 5 holes (616 m) in 1985 and bulldozer trenching in 1988. T. Kachnic staked adjoining New T M cl 1-10 (YB03845) to the south in Sep/90.

Capsule Geology

The area has not yet been remapped by the Yukon Geological Survey however C. Roots (1997) of the Geological Survey of Canada under contract with the Exploration and Geological Services Division (now part of the Yukon Geological Survey) remapped topographic map sheet 105M located directly to the south in the mid-1990's. In addition Gordey, Abbott and Roots (1990) remapped topographic map sheets 105M/16, 106D/01 and 106D/07East & 08 respectively in the late 1980's. In 2003 Gordey and Makepeace released a geological compilation of the Yukon which covered this area.

According to Gordey and Makepeace the area is underlain by a sequence of Devonian to Mississippian metasedimentary rocks which have been deformed by metamorphism, folding, thrusting and other forces. Numerous Triassic gabbroic sills intrude the sequence. The occurrence consists of a transported limonite gossan underlain by schist, thin bedded quartzite and phyllite assigned to the Devonian to Mississippian Earn Group. Numerous gabbroic sills were also mapped in the area. The only mineralization reported is minor tetrahedrite in a 1 m wide north-northeast striking quartz vein. Two airborne VLF-EM anomalies were verified by ground surveys and geochemical sampling located four silver anomalies, two of which lie along strike from the EM anomalies. The 1984 drilling cut graphite conductors.

References

ABBOTT, J.G. 1990. Geological map of Mt. Westman map area (106D/1); Exploration and Geological Services Division, Yukon, Indian and Northern Affairs, Canada, Open File 1990-1.

CANADIAN RESERVE OIL AND GAS LTD, Feb/72. Assessment Report *#060947 by R.W. Stemp.

CANADIAN RESERVE OIL AND GAS LTD, Mar/73. Assessment Report *#060158 by E.R. Rockel and R.W. Stemp.

GORDEY, S.P. 1990. Geological map of the Tiny Island map area (105M16); Exploration and Geological Services Division, Yukon, Indian and Northern Affairs, Canada, Open File 1990-2.

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).

HACIENDA OIL AND MINERALS LTD, Jun/80. Assessment Report *#090626 by W.G. Timmins.

HACIENDA OIL AND MINERALS LTD, Apr/82. Assessment Report *#090912 by W.G. Timmins.

MINERAL INDUSTRY REPORT 1971-72, p. 30.

ROMEX RESOURCES INCORPORATED, May/84. Assessment Report *#062181 by W.G. Timmins.

ROOTS, C. 1990. Geology of 106D/8 and 106D/7 (east half) map area; Exploration and Geological Services Division, Yukon, Indian and Northern Affairs, Canada, Open File 1990-3.

ROOTS, C.F., 1997. Bedrock geology of Mayo area, central Yukon (105M0). Exploration and Geological Services Division, Indian and Northern Affairs Canada, Geoscience Map 1997-1, 1:50 000 scale.

ROOTS, C.F., 1997. Geology of the Mayo Map Area, Yukon Territory (105M). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Bulletin 7, 82p.

SILVER SPRING MINES LTD, Dec/68. Assessment Report *#018928 by P.H. Sevensma.

SILVER SPRING MINES LTD, Nov/68. Assessment Report *#019053 by H.S. Aikins et al.

THE MINING LETTER, 9 Jul/84; 19 Oct/84.

YUKON EXPLORATION AND GEOLOGY 1982 p. 180-181.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 241.

Work History

Date	Work Type	Comment
12/31/1988	Trenching	
12/31/1985	Drilling	Five holes, 616 m.
12/31/1984	Drilling	Fourteen holes, 823 m.
12/31/1984	Ground Geophysics	Also VLF-EM survey.
12/31/1982	Trenching	
12/31/1980	Geology	
12/31/1980	Geochemistry	
12/31/1979	Geology	
12/31/1979	Airborne Geophysics	Also radiometric and magnetometer surveys.
12/31/1971	Ground Geophysics	Also magnetic survey.
12/31/1968	Geochemistry	
12/31/1968	Ground Geophysics	
12/31/1968	Trenching	
12/13/1984	Geochemistry	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096732	2014	Assessment Report Describing Metallurgical Test Pits, Metallurgical Auger Drilling, Geotechnical Auger Drilling, Geotechnical Study, Environmental Baseline Studies, Heritage Evaluation, and Water Quality and Climate Monitoring Surveys	Auger - Drilling, Water - Geochemistry, Metallurgical Tests - Lab Work/Physical Studies, Environmental Assessment/Impact - Studies, Geotechnical - Studies, Heritage/Archeological - Studies	9	96.77
096607	2012	Assessment Report Describing Metallurgical Testing, Wildlife Monitoring, Heritage Evaluation, and Water Quality and Climate Monitoring Surveys	Water - Geochemistry, Metallurgical Tests - Lab Work/Physical Studies, Environmental Assessment/Impact - Studies, Heritage/Archeological - Studies		
093987	1998	Digital Topography, Landsat, and Colour Air Photo Survey over the Clark Claims]	Orthophoto - Airphotography, Rock - Geochemistry, Landsat - Remote Sensing		
090626	1980	Combined Geological and Geophysical Report on the J.T. Claim Group	Electromagnetic - Airborne Geophysics, Gamma-Ray Spectrometry - Airborne Geophysics		
090564	1979	Geological, Geochemical, and Geophysical Report	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Seismic - Ground Geophysics, Research/Summarize - Pre-existing Data		
060158	1972	Geophysical Report on the Irene, Copper, Tiger, Vern, Vat, Jan, Bobi, Lucky, Bear, Otter, Spring, Silver, Isa, and Punch Claim Groups	EM - Ground Geophysics, IP - Ground Geophysics, Magnetics - Ground Geophysics, Line Cutting - Other, Prospecting - Other		
060947	1971	Geophysical Report on the Silver and Spring Claim Groups	EM - Ground Geophysics, Magnetics - Ground Geophysics		
060942	1970	Report on Aeromagnetic Survey-Keno Area, Yukon Territory	Magnetic - Airborne Geophysics		
018928	1968	Geological, Geophysical, and Geochemical Report on the Silver and Spring Claim Groups	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, EM - Ground Geophysics, Line Cutting - Other, Prospecting - Other		
019053	1968	Silver and Springs Claim Groups, Summary Report, Geological, Geophysical and Geochemical Work Programs	Soil - Geochemistry, EM - Ground Geophysics, Line Cutting - Other, Mechanical - Trenching		
019905	1968	Mayo Area Properties: North and Star, Silver and Spring, Jean and Ladie Report by P. H. Severson	Research/Summarize - Pre-existing Data		
019021	1968	[Summary of Previous Work Conducted on the Silver Spring Property]	Research/Summarize - Pre-existing Data		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC012749	An examination of properties and magnetic anomalies North of Mayo, Yukon Territory and associated memos		Property File Collection	Report