



Occurrence Details

Occurrence Number: 115G 021

Occurrence Name: Quill

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 10/3/2025 8:48:53 PM

General Information

Secondary Commodities: copper

Deposit Type(s): Ultramafic Mafic Gabbroid Cu-Ni-PGE

Location(s): 61°26'11" N - -139°25'15" W

NTS Mapsheet(s): 115G06

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Discovered prior to 1914 and apparently well known when reported on then by the GSC. Staked as Ross and Jeep cl (64072) in Oct/52 by Yukon Mg CL and transferred to a new company, Hudson-Yukon ML, which conducted geophysical surveys and mapping and drilled 2 holes by 1956. Restaked as Ram and Jay cl (93020) in Oct/65 by H. Verslucce and P. Verslucce, who prospected, trenched and built roads in 1966 and formed a new company, Quill Creek Copper ML, to develop the property. Optioned from late 1966 to early 1968 by Newmont, which performed extensive bulldozer trenching, drilled 1 hole (59.7 m) and added the Go cl (Y10803) in Oct/66. The Verslucce added the Peg cl (Y51689) in Mar/70, restaked the property as Ram cl (Y67790) in Dec/72 and trenched in 1973 and 1978. N. Smalley tied on Lil cl (YA24086) in Apr/79 on the north side and restaked the Lil group as E cl (YA82473) in Jun/84. Restaked as Bean cl (YA96431) by E. Parmentier in Oct/86 and sold to Fred Mls Inc in 1987.

Capsule Geology

The area is underlain by Upper Triassic Nikolai basalt flows and breccias. Widespread low grade mineralization occurs as dispersed chalcocite in amygdules, native copper as disseminated flecks in massive basalt, and native copper, chalcocite and malachite with lesser bornite, chalcopyrite, azurite and cuprite associated with quartz-carbonate veining and alteration in shear zones cutting basalt. The main zone, exposed in Ram Creek, consists of 'sooty' chalcocite and minor bornite, chalcopyrite and malachite disseminations and veinlets over a 21 by 488 m area. Best grades were found on surface where a 3 m interval exposed in a trench assayed 0.92% Cu. A drill intersection below the zone averaged 0.89% Cu over 2.4 m. The GSC reported in 1914 an average assay of 1.4% Cu across 21 m on surface.

References

CAMPBELL, S.W., 1976. Nickel-copper sulphide deposits in the Kluane Ranges, Yukon. Exploration and Geological Services Division, DIAND; Open File 1976-10.

CAMPBELL, S.W., 1981. Geology and genesis of copper deposits and associated host rocks in and near the Quill Creek area, Southwestern Yukon. Unpublished Ph.D. thesis, University of British Columbia, 1981.

DODDS, C.J., AND CAMPBELL, R.B., 1992. Overview, legend and mineral deposit tabulations for Geological Survey of Canada Open Files 2188, 2189, 2190 and 2191.

GEOLOGICAL SURVEY OF CANADA Open File 381.

GEOLOGICAL SURVEY OF CANADA Paper 67-40, p. 53; Paper 68-68, p. 70-72.

GEOLOGICAL SURVEY OF CANADA Summary Report 1914, p. 30.

Work History

Date	Work Type	Comment
12/31/1978	Trenching	
12/31/1973	Trenching	
12/31/1967	Drilling	One hole, 59.7 m.
12/31/1967	Trenching	
12/31/1966	Other	
12/31/1966	Development, Surface	
12/31/1966	Trenching	
12/31/1952	Drilling	Number of holes drilled: 2
12/31/1952	Geology	

12/31/1952	Ground Geophysics	
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Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097229	2018	Prospecting, Geological and Geochemical Survey Report on the Arch and Corky Properties	Rock - Geochemistry, Soil - Geochemistry		
095830	2011	2011 Technical Assessment Report for the Corky North Property, Yukon Territory	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
095445	2011	Assessment Report Describing Geophysical Work Specifically 2010 TEM Survey on the Burwash Property	Electromagnetic - Airborne Geophysics, EM - Ground Geophysics		
094669	2005	Assessment Report Describing 2005 Diamond Drilling, Soil Sampling, Prospecting and Geological Mapping on the Burwash Property	All Weather Road - Development, Surface, Diamond - Drilling, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other	8	529.13
094523	2004	Assessment Report Describing Prospecting, Soil Geochemistry and Excavator Trenching	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Mechanical - Trenching		
092054	1953	Report on the Geophysical Surveys in the Shakwak Valley Area, Yukon Territory for Canalask Nickel Mines Limited.	Magnetic - Airborne Geophysics		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC0068 46	Correspondence and news clippings Re: Hudson Bay's properties in Quill Creek area		Property File Collection	Miscellaneous Company Documents
ARMC0068 47	Topographic map - Quill Creek		Property File Collection	Geoscience Map (General)
ARMC0068 48	Map showing Quill Creek group		Property File Collection	Geoscience Map (General)
ARMC0068 49	Plan map showing location of trenching, samples, diamond drill holes, electro-magnetic crossovers and picket lines - Quill Creek group		Property File Collection	Geoscience Map (General)
ARMC0068 53	Extract from situated report		Property File Collection	Report
ARMC0068 54	Preliminary report on Quill Creek claims		Property File Collection	Report
ARMC0068 55	Main showing map - Quill Creek		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC0068 56	Certificates of Analysis - Quill 1-10		Property File Collection	Assays
ARMC0068 57	Correspondence Re: Quill Creek		Property File Collection	Miscellaneous Company Documents
ARMC0068 58	Preliminary report on copper-nickel discovery in the Quill Creek area		Property File Collection	Report
ARMC0068 59	Extract from field notes		Property File Collection	Miscellaneous Company Documents
ARMC0068 61	Line grid map showing Quill Creek staking		Property File Collection	Geoscience Map (General)
ARMC0068 62	Map - No. 1 showing - Quill Creek area		Property File Collection	Geoscience Map (General)
ARMC0068 63	Map - No. 1 showing - Quill Creek area		Property File Collection	Geoscience Map (General)
ARMC0130 62	Plan and section of DDH Q-1 - Drilled July 1967 - Newmont Mining Corp. of Canada - Quill Creek Copper 271		Property File Collection	Geoscience Map (General)
ARMC0130 65	Preliminary map - Tape and compass survey - Outcrop geology - Ram Creek area		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC0130 51	Report on exploration work carried out on the Quill Creek Mines Ltd. property during 1966 and 1967		Property File Collection	Report
ARMC0130 71	Property examination report on the Ram group - Kluane Range area		Property File Collection	Report
ARMC0130 67	Helicopter magnetometer survey - Ram Creek area - Fig. 11		Property File Collection	Geophysical Map
ARMC0130 57	Map of development 1967 - Jay 12, 33 & 36 M.C.'s		Property File Collection	Geoscience Map (General)
ARMC0130 58	Map of development 1967 - Jay 20, 21, 22 & 63 M.C.'s		Property File Collection	Geoscience Map (General)
ARMC0130 56	Map of development 1967 - Ram group M.C.'s		Property File Collection	Geoscience Map (General)

ARMC013052	Geographic location map - Quill Creek Mines Ltd. - Fig. 1	Property File Collection	Geoscience Map (General)
ARMC013066	Geological plan map - Ram Creek area - Fig. 3	Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC013053	Section through DDH-Q1 - Quill Creek Mines Ltd. - Fig. 5	Property File Collection	Geoscience Map (General)
ARMC013068	Reconnaissance stream sediment survey - Copper - Ram Creek area	Property File Collection	Geochemical Map
ARMC013070	Letters re: Property submission - Quill Lake - 115-G-06	Property File Collection	Miscellaneous Company Documents
ARMC013054	Assay plan - Fossil No. 1 showing - Quill Creek Mines Ltd. - Fig. 7	Property File Collection	Geoscience Map (General)
ARMC013061	Assay plan - Linda showing (Jay 12) - Quill Creek Copper Mines Ltd.	Property File Collection	Geoscience Map (General)
ARMC013063	Assay plan map - Ram showing - Fig. 4	Property File Collection	Geoscience Map (General)
ARMC013059	Assay plan - "Ram" trenches (central) - Quill Creek Copper	Property File Collection	Geoscience Map (General)
ARMC013060	Assay plan - Ram-Tatamagouch Divide trenching - Quill Creek Copper	Property File Collection	Geoscience Map (General)
ARMC013064	Claim map - Ram, Jay, Linda, Go claims	Property File Collection	Geoscience Map (General)
ARMC013055	Diamond drill holes map Q2, Q3 & Q4 - Quill Creek Mines Ltd. - Fig. 8	Property File Collection	Geoscience Map (General)

Drill core at YGS core library

Number	Property	Year Drilled	Core Size	Photos	Data
DR-E-10?	Quill	1956	BQ	0	1
Unnamed	Wellgreen	1956	BQ	8	0