



Occurrence Details

Occurrence Number: 105D 023

Occurrence Name: Raca

Occurrence Type: Hard-rock

Status: Prospect

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General Information

Secondary Commodities: copper, gold, silver

Aliases: Fawley, Skukum

Deposit Type(s): Porphyry Cu-Mo-Au

Location(s): 60°11'7" N - 135°23'27" W

NTS Mapsheet(s): 105D03

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

The earliest claims in this area were the probably Skookum, etc cl staked prior to Jul/07, although no claim records have been preserved from this period. Copper mineralization was first reported by Yukon Antimony Corporation Ltd in 1966 on Jackie cl 1-8 (Y91585) staked in Jan/65 as part of the adjacent Mt Reid or Skukum Creek property (Minfile Occurrence #105D 022). Yukon Antimony added the Joy cl 1-5 (Y10753) in Sep/66. An IP survey was carried out in June and Jul/67 and two holes (277 m) were drilled that fall. The claims were allowed to lapse in Feb/71 after Yukon Antimony was reorganized into International Mariner Resources Ltd. Restaked as Raca cl 1-14 (Y60268) in Feb/71 by Secord Investments Ltd and Laura Development Ltd, which carried out geological mapping and geochemical rock sampling in 1971 and chip sampling in 1972. The claims were sold to M. Menzies later in 1972 and resold to Chatham Resources Ltd in May/73. In 1977, Chatham changed its name to Westmount Resources Ltd and carried out limited geophysical surveying in 1978; geological mapping in 1980; and geochemical rock and soil sampling in 1985. The Nat Joint Venture (Chevron Canada Ltd and Armco Mineral Exploration Ltd) staked Norml cl 1-8 (YA50920) contiguously to the southwest of the Raca claims in Jul/80 and carried out geochemical sampling later in the year. Mount Skukum Gold Mining Corporation carried out geological mapping and sampling of the Raca claims in 1986 and Omni Resources Ltd did the same in 1987. E. Bergvinson staked Skukum cl 1-7 fr (YB38173) in Aug/93 and BYG Natural Resources staked LB cl 1-27 (YB67028) contiguously to the south in May/96. Omni Resources Inc acquired the LB and Raca claims through transfer in Oct/96 and Sep/97, respectively, and drilled three holes (843.6 m) on the Raca claims later that year in a joint venture with Trumpeter Yukon Gold Inc. In Nov/2000, Omni amalgamated with Trumpeter Yukon Gold Inc to form Tagish Lake Gold Corporation, which carried out one day of prospecting and geochemical rock sampling of the Raca claims in 2001.

Capsule Geology

Malachite and azurite are exposed on a steep face at the south end of Chieftain Hill. The zone is about 375 m long and 15 to 120 m wide. Host rocks consist of granodiorite of the mid-Cretaceous Mount McNeil Pluton and breccia, hematitic granodiorite conglomerate and minor felsic tuff of the Lower Eocene Mount Skukum Volcanic Complex. The copper staining results from disseminated chalcopyrite and chalcocite in thin quartz stringers which cut phyllic and potassic-altered granodiorite. Native copper is also present in andesite breccias, and malachite is common in the matrix of the hematitic conglomerate. Yukon Antimony Corporation obtained copper values as high as 1.12%, with an average of 0.42%. One 229 m drillhole tested an IP anomaly uphill from the showing but intersected only pyrite in the Skukum group. A second hole located downhill from the showing was abandoned at 49 m in talus and overburden. Wheeler reported that native copper is present in this vicinity. The 1985 work by Westmount Resources was directed toward precious metals in quartz-carbonate veins. A number of zones were recognized, the best of which assayed 4.45 g/t Au and 21.9 g/t Ag over 20 m. Drilling in 1997 intersected mineralized shear zones near the volcanic/intrusive contact that are typical of those encountered elsewhere in the Skukum Creek area, particularly along the Goddell Shear. The main mineralized zone, up to 3.85 m wide, was intersected in two of the three holes (97-1 and 97-3) and consisted of moderately to strongly altered and brecciated, granodiorite with abundant quartz veining containing pyrite, arsenopyrite, sphalerite and galena. The best intersections within this zone were 5.1 g/t Au with 690.1 g/t Ag over 0.9 m in Hole 97-1 and 4.8 g/t Au with 155.5 g/t Ag over 0.9 m in Hole 97-3. The collection and analysis of malachite and azurite stained surface samples in 2001 returned low gold, but anomalous copper values. A sample of malachite stained quartz diorite contained 3 932 ppm Cu, while a sample of hematite altered rhyolite returned 5 652 ppm Cu.

References

- DICKSON, H.G., July 1907. Claim compilation map of part of Conrad Mining District by H.G. Dickson, D.L.S., Yukon Archives.
- FINDLAY, D.C., 1966. The mineral industry of Yukon Territory and southwestern District of Mackenzie, 1967. Geological Survey of Canada Paper 68-68, p. 56-57.
- GEOLOGICAL SURVEY OF CANADA, Memoir 312, p.79.
- 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).
- HART, C.J.R. and RADLOFF, J.K., 1990. Geology of the Carcross, Fenwick Creek, Alligator Lake, Whitehorse and part of Robinson map areas (105D/2,3,6,11 & 7), Yukon. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada; Open File 1990-4, 113p.
- HART, C.J.R., 1992. Raca (Fawley) deposit. In: Yukon Exploration, 1991, p. 40-42.
- MINERAL INDUSTRY REPORT, 1971-72, p. 55.
- NAT JOINT VENTURE, Feb/81. Assessment Report #090738 by E.P. Onasick and A.R. Archer.
- OMNI RESOURCES INC and TRUMPETER YUKON GOLD INC, Jan/98. Assessment Report #093770 by T.M. Elliott.
- SECORD INVESTMENTS LTD and LAURA DEVELOPMENTS LTD, Feb/72. Assessment Report #060887 by A.R. Archer.
- SECORD INVESTMENTS LTD and LAURA DEVELOPMENTS LTD, May/73. Assessment Report #060147 by M.P. Phillips.

TAGISH LAKE GOLD CORPORATION, Nov/2002. Assessment Report #094350 by C.O. Nass.

WESTMOUNT RESOURCES LTD, Feb/86. Assessment Report #091769 by J.C. Freeze.

YUKON ANTIMONY CORPORATION LTD, 1967. Assessment Report #019119 by A.W. Mullan and D.B. Sutherland.

YUKON ANTIMONY CORPORATION LTD, 1967. Assessment Report #060579 by A.P. Fawley.

YUKON EXPLORATION 1985-86, p.157; 1991, p. 40-42.

Work History

Date	Work Type	Comment
12/31/2001	Geochemistry	
12/31/2001	Other	One day spent prospecting.
12/31/1997	Drilling	Three holes, 843.6 m. Holes were collared from the same setup.
12/31/1986	Geology	
12/31/1985	Geology	
12/31/1985	Geochemistry	Re-assayed previously collected samples.
12/31/1980	Geology	
12/31/1972	Geochemistry	
12/31/1971	Geochemistry	
12/31/1971	Geology	
12/31/1967	Drilling	Two holes, 277 m.
12/31/1967	Ground Geophysics	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095827	2011	Tagish Lake Gold Property, Exploration Report for 2011, Geological, Geochemical, Diamond Drilling and Data Compilation Work	Rehabilitation - Development, Underground, Diamond - Drilling, Drill Core - Geochemistry, Historical Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Surveying - Other, Data Compilation - Pre-existing Data, Digitizing Data - Pre-existing Data	51	12487.77
094337	2002	Geological Structure and Alteration Study of the Pop,Mom,Chief,Glee,Tech,Berg,Sten,Mil Claims	Detailed Bedrock Mapping - Geology, Petrographic - Lab Work/Physical Studies, Process/Interpret - Pre-existing Data		
093943	1988	Geological, Geochemical, Geophysical and Diamond Drilling on the Skukum Creek Property	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, EM - Ground Geophysics, Line Cutting - Other, Prospecting - Other	5	1322
091769	1985	Geological Report on the Raca Claims 8-11, Chieftain Hill Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology		
091474	1983	Surface Work Geological Mapping and Geochemical Sampling	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
091391	1982	Geological Mapping, Geochemical Sampling and Magnetometer Survey Chieftain Hill Area	Orthophoto - Airphotography, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Prospecting - Other		
091462	1982	Surface Work, Geological Mapping and Geochemical Sampling, Mount Skukum Area, Kuku Claims	Orthophoto - Airphotography, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Line Cutting - Other, Surveying - Other		
090975	1981	Geochemical and Geological Report Nomen Dubiu, 1-24 Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Prospecting - Other		
091061	1981	Geological Mapping,Geochemical Sampling and Trenching, Mount Skukum Area, Kuku Claims	Orthophoto - Airphotography, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies, Backhoe - Trenching		
090738	1980	Geological and Geochemical Report, Nat Joint Venture Norm 11-8 Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry		
090740	1980	Geochemical and Geological Report Nat Joint Venture Nomen Dubiu, 1-24 Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry		
060147	1972	Chieftain Hill Copper Prospect Raca 8-11 Claims	Soil - Geochemistry		
092545	1967	Skukum Creek Copper Deposit of Yukon Antimony Corporation Ltd. (N.P.L)	All Weather Road - Development, Surface, Rock - Geochemistry, Bedrock Mapping - Geology		

060579	1967	Progress Report for 1967 and Exploration Recommendations for 1968 for Yukon Antimony Corporation Ltd. (N.P.L)	Research/Summarize - Pre-existing Data		
019119	1967	Report on the Induced Polarization and Resistivity Survey, Joy and Phil Claims	Gamma-ray Spectrometry - Ground Geophysics, IP - Ground Geophysics		
019121	1967	Skukum Creek Copper Deposit of Yukon Antimony Corporation Ltd. (N.P.L)	Cursory Property Visit - Other, Research/Summarize - Pre-existing Data, Resource Estimate - Studies		
092078	1966	Skukum Creek Copper Deposit	Rock - Geochemistry		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC009772	Long section map - Lake zone		Property File Collection	Geoscience Map (General)
ARMC009775	Orthophoto map - Mount Skukum		Property File Collection	Geoscience Map (General)
ARMC008800	Ore reserve study of the Mount Skukum deposit - Southern Yukon		Property File Collection	Report
ARMC008801	Maps - Skukum Creek property		Property File Collection	Geochemical Map
ARMC008802	Summary report on the Cirque Zone, drill indicated reserves of the Mt. Skukum Au-Ag project - Wheaton River area		Property File Collection	Report
ARMC008804	Cross section 4724N, which is rotated 14° out of plane of drilling and section 1+00S - Mt. Skukum - After Agip 4724N		Property File Collection	Geoscience Map (General)
ARMC008805	Report - Mt. Skukum Au-Ag project - Wheaton River area		Property File Collection	Report
ARMC008806	Notes - Mt. Skukum - Method x-sectional - Cut-off 7 ppm		Property File Collection	Miscellaneous Company Documents
ARMC008807	Correspondence Re: Dupont Exploration - Regional gold programme		Property File Collection	Miscellaneous Company Documents
ARMC008808	Drill hole/traverse log - 0+25S planimeter - drillhole/traverse - S83CH038 - Skukum		Property File Collection	Miscellaneous Company Documents
ARMC008809	Drill hole/traverse log - 0+50S planimeter - drillhole/traverse - S82CH010 - Skukum		Property File Collection	Miscellaneous Company Documents
ARMC008810	Drill hole/traverse log - 0+75S planimeter - drillhole/traverse - S83CH031 - Skukum		Property File Collection	Miscellaneous Company Documents
ARMC008811	Drill hole/traverse log - 1+00 planimeter - drillhole/traverse - S83CH054 - Skukum		Property File Collection	Miscellaneous Company Documents
ARMC008812	Drill hole/traverse log - 1+25 planimeter - drillhole/traverse - S83CH055 - Skukum		Property File Collection	Miscellaneous Company Documents
ARMC008813	Drill hole/traverse log - 1+50 planimeter - drillhole/traverse - S84CH072 - Skukum		Property File Collection	Miscellaneous Company Documents
ARMC008814	Drill hole/traverse log - 1+75 planimeter - drillhole/traverse - S83CH047 - Skukum		Property File Collection	Miscellaneous Company Documents
ARMC008815	Drill hole/traverse log - 2+00 planimeter - drillhole/traverse - S82CH022 - Skukum		Property File Collection	Miscellaneous Company Documents
ARMC008816	Drill hole/traverse log - 2+25 planimeter - drillhole/traverse - Skukum		Property File Collection	Miscellaneous Company Documents
ARMC008847	Correspondence Re: Omni Resources Ltd. - Skukum Creek property		Property File Collection	Miscellaneous Company Documents
ARMC008849	Simplified geology map - Skukum Creek property		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC008850	Claim map - Kir, Scar, Ern, Tex claims		Property File Collection	Geoscience Map (General)
ARMC008851	Claim map - Mt. Skukum deposit		Property File Collection	Geoscience Map (General)
ARMC008852	D.D. hole log - Indicated probable reserves - Skukum Creek property		Property File Collection	Drill Logs
ARMC008853	D.D. Hole log - Indicated possible reserves - Omni		Property File Collection	Drill Logs
ARMC008854	D.D. hole log - Indicated proven reserves - Omni property		Property File Collection	Drill Logs
ARMC008855	Summary form - Mineral reserves, no dilution - Skukum Creek property		Property File Collection	Miscellaneous Company Documents
ARMC008797	Assay certificates - Skukum		Property File Collection	Assays
ARMC008798	News - 1985 exploration update		Property File Collection	News Release

ARMC00879 9	Claim map - Mt. Skukum area		Property File Collection	Geoscience Map (General)
ARMC00892 2	Diamond drill log - Skukum Creek		Property File Collection	Drill Logs