



Occurrence Details

Occurrence Number: 105D 004

Occurrence Name: Lime

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 5/4/2025 10:04:55 AM

General Information

Secondary Commodities: copper, molybdenum

Aliases: Striker Pass

Deposit Type(s): Porphyry Mo (Low F-Type)

Location(s): 60°4'21" N - 134°28'13" W

NTS Mapsheet(s): 105D01

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Striker Pass cl 1-6 (73777) in Aug/58 by J. Hanna.

Restaked as Strike cl 1-4 (Y9638) in Jun/66 and optioned in August by B.C. Yukon Asbestos Company Ltd (later B.C. Yukon Exploration Company Ltd), which explored with hand pitting and 6 x-ray holes (about 152 m) in the summer of 1966 and added J cl 1-4 (Y10131) in Aug/66 and T cl 1-8 (Y10368) and B cl 1-4 (Y10376) in Sep/66. The company carried out soil sampling in 1968 and added John cl 1-8 (Y25630), June cl 1-4 (Y25644) and Roger cl 1-8 (Y25805) in Aug/68. In Feb/69 the company staked Bob cl 1-8 (Y30329). Later in the summer of 1969 the company carried out trenching and sampling later in the summer.

In Feb/71 control of the claims was acquired by Spartan Explorations Ltd, which carried out a small surface sampling program later in the year.

Restaked as Don cl 1-8 (Y80302) in Aug/74 by Dawson Range Mines Ltd, and as Hope cl 1-6 (YA7894) in Aug/76 by Amax Exploration Inc, which explored with mapping and soil sampling later in the year. G. Salmins restaked Lime cl 1-4 (YA23844) 2.4 km to the southeast in Nov/78.

The showing was restaked as Cloud cl 1-40 (YA24157) in May/79 by El Paso Energy Corporation and optioned to Placer Development Ltd, which added Cloud cl 41-81 in Sep/80 drilled 3 holes (457 m) in Oct/80 before dropping the option.

Restaked as Ram cl 39-86 (YC26660) in Mar/2004 by B. Harris. The claims are part of a larger claim block known as the Rams Horn Property. Harris optioned the property to Ororado Resources Corp later in the year. In the summer of 2004 Ororado flew an airborne geophysical survey over the entire property.

Capsule Geology

The occurrence is located on the eastern side of Windy Arm Lake on the west central boundary of topographic map sheet 105D 01, near the border with British Columbia. J.O. Wheeler mapped the area at 1:250 000 scale in 1961 and the area has not been updated since. Hart and Radloff, re-mapped topographic map sheet 105D 02 to the east in 1990 as part of a larger 1:50 000 scale regional mapping program and extrapolation of their work was used by Gordey and Makepeace (2001) in the production of their Yukon geology compilation.

The area lies within the northern portion of the Cache Creek terrane, a belt of oceanic rocks that extend the length of the Cordilleran in British Columbia northwards into southern Yukon.

The geological history of the terrane is generally not well understood and this is especially true of the portion located in the Yukon. In recent years M. Mihalynuk of the British Columbia Geological Survey and others have carried out research in the northern portion of the terrane near Atlin, B.C. (approximately 75 km to southeast) which has increased the knowledge base and has led to the area being referred to as the Atlin Complex.

Based on regional geology and assessment reports filed with the Government of Yukon, the occurrence is underlain by altered volcanic and clastic sedimentary rocks assigned to the Cache Creek terrane. A biotite-quartz monzonite intrusion intrudes the sequence. Hart and Radloff assigned a Carboniferous to Permian age to the Cache Creek rocks and an Early Tertiary to the intrusion. Geological mapping completed by Mihalynuk to the south suggests that the Cache Creek rocks may range in age from Mississippian through to Lower Jurassic. Mihalynuk's research (1999) also suggests that based on stream sediment geochemical response of other intrusions located in the region, this intrusion is likely Late Cretaceous in age. Hart (pers. comm., 2004) concurs with Mihalynuk's position and reports that this intrusion is mineralogically different from the Early Tertiary intrusions and thus likely Late Cretaceous.

Rich pockets and rosettes of molybdenite are associated with quartz veins 0.3 to 5 cm wide that form a stockwork zone about 760 m long and 150 m wide within a monzonite stock.

Molybdenite also occurs as small rosettes and fine disseminations in weak alteration envelopes up to a metre from the veins. Soil sampling by various companies outlined 3 principal molybdenite/ copper anomalies, the largest of which is centred over the intrusion.

Magnetic relief is quite flat. Fracture density is weak and overall grade is low. The best assays from the 1966 drilling were 0.027% MoS₂ and 0.05% Cu across 18.2 m. Sampling of 31 trenches in 1969 gave assays ranging from 0.004% MoS₂ across 2.4 m to 0.756% MoS₂ across 1.5 m.

The 1980 drilling reportedly intersected numerous mineralized veinlets and disseminated intervals of molybdenite mineralization. No assays were filed thus grades are unknown.

In Oct/2004, consultants employed by Ororado Resources Corporation and a geologist employed by the Yukon Geological Survey made a brief visit to the property. They located several of the old drill sites and collected several rock samples containing either rosettes or disseminated molybdenite (assays not available). Poor weather forced the group to cut the visit short.

References

B.C. YUKON EXPLORATION COMPANY LTD, Dec/68. Assessment Report #018623 by F.M Smith.

B.C. YUKON EXPLORATION COMPANY LTD, 1968. Assessment Report #*019812 by A.C. Skerl.

B.C. YUKON EXPLORATION COMPANY LTD, Aug/69. Assessment Report #018624 and #018625 by R.G. Hilker (#018624 is a poor copy of a portion of #018625).

B.C. YUKON EXPLORATION COMPANY LTD, Apr/71. Assessment Report #060885 by J.S. Vincent.

B.C. YUKON EXPLORATION COMPANY LTD, 1972. Assessment Report #*019813 by J.S. Vincent.

CANEX PLACER LTD, 1980. Assessment Report #*090696 by M.B. Gareau.

EL PASO ENERGY CORPORATION, Feb/80. Assessment Report #061965 by L.S. Trenholme.

ENGLISH, J.M. AND MIHALYNUK, M.G., 2002. Atlin TGI Part III: Geology and Petrochemistry of Mafic Rocks within the Northern Cache Creek Terrane and Tectonic Implications. British Columbia Ministry of Energy and Mines, Geological Fieldwork 2001, Paper 2002-1. p. 19-29.

GEOLOGICAL SURVEY OF CANADA, 1961. Memoir 312 by J.O. Wheeler.

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 Whitehorse, Alligator Lake, Fenwick Creek, Carcross and parts of Robinson Map Areas (105D/11, 6, 3, 2, & 7). Yukon Territory; Indian and Northern Affairs Canada, Open File 1990-4, 113 pages plus 4 map sheets.

MIHALYNUK, M.G. ET. AL., 1999, Geology and Mineral resources of the Tagish Lake area (NTS 104M/8, 9, 10E, 15 and 104N/12W) Northwestern British Columbia Geological Survey, Bulletin 105.

MIHALYNUK, M.G. ET. AL., 1992. Age Constraints for emplacement of the Northern Cache Creek Terrane and Implications of Blueschist Metamorphism. In Geological Fieldwork 1998, British Columbia Ministry of Energy, Mines and Petroleum Resources, Paper 1999-1, p. 127- 141.

MIHALYNUK, M.G. AND LOWE, C., 2002. Atlin TGI, Part I: An Introduction to the Atlin Targeted Geoscience Initiative. British Columbia Ministry of Energy and Mines, Geological Fieldwork 2001, Paper 2002-1. p. 1-4.

MIHALYNUK, M.G. ET AL., 2002. Atlin TGI, Part II: Preliminary results from the Atlin Targeted Geoscience Initiative, Nakina Area, Northwest British Columbia. British Columbia Ministry of Energy and Mines, Geological Fieldwork 2001, Paper 2002-1. p. 5-18.

MIHALYNUK, M.G. AND LOWE, C., 2003. Atlin TGI, Part I: Atlin Targeted Geoscience Initiative & Summary of Accomplishments and Project Closure. British Columbia Ministry of Energy and Mines, Geological Fieldwork 2002, Paper 2003-1. p. 1-8.

NELSON, J.L. AND MIHALYNUK, M. 1993. Cache Creek ocean: Closure or Enclosure? In Geology, Feb/93, Vol. 2, p. 173-176.

ORDARADO RESOURCES CORP., 2004. Information Circular.

PLACER DEVELOPMENT LTD, Dec/80. Assessment Report #090696 by M.B. Gareau.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 165.

Work History

Date	Work Type	Comment
12/31/1980	Drilling	Number of holes drilled: 3 Amount of work done: 457 METRES
12/31/1976	Geology	
12/31/1976	Geochemistry	
12/31/1968	Geochemistry	
12/31/1968	Trenching	
12/31/1968	Other	
12/31/1966	Drilling	Number of holes drilled: 6 Amount of work done: 152 METRES Holes drilled with back pack drill, size x-ray, footage is approximate.
12/31/1966	Trenching	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
094596	2005	Geochemical Sampling, Prospecting and Trenching, Lime Creek and Cirque Zones and Airborne Geophysical Survey Interpretation on the Rams Horn Property	Rock - Geochemistry, Soil - Geochemistry, Cursory Property Visit - Other, Prospecting - Other, Process/Interpret - Pre-existing Data, Handblast - Trenching		
094670	2005	2004 Geophysical Assessment Report on the Rams Horn Porperty	Electromagnetic - Airborne Geophysics, Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics		
090696	1980	[Diamond Drill Logs of the Cloud Property	Diamond - Drilling	3	302.66
061965	1979	Report on the Cloud Claim Group	Cursory Property Visit - Other, Property Evaluation - Other, Process/Interpret - Pre-existing Data		
060885	1971	Summary of Reports, Lime Creek Project	Research/Summarize - Pre-existing Data		
019813	1971	Geological and Geochemical Assessment Report, Lime Lake Property	Soil - Geochemistry, Detailed Bedrock Mapping - Geology		
018623	1968	Geochemistry Report, Lime Mountain Area	Process/Interpret - Pre-existing Data		
018624	1968	Geochemistry Report, Lime Mountain Area	Process/Interpret - Pre-existing Data		
018625	1968	B.C. - Yukon Exploration Co. Ltd. (N.P.L) Line Mountain Area, Carcross, Y.T., for Department of Indian Affairs and Northern Development -Resources Branch	Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Line Cutting - Other, Mechanical - Trenching		

Related References

Number	Title	Page(s)	Reference Type	Document Type
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ARMC013470	Report on Lime Creek molybdenite, Windy Arm, Yukon		Property File Collection	Report
ARMC013473	Property submission: Barry O'Niell (Johnny Johns) - Jubilee Mt. - Atlin		Property File Collection	Report
ARMC013472	1968 trenching sketch and assay certificate - Lime Creek molybdenite		Property File Collection	Geoscience Map (General)
ARMC013468	Progress report 1968, 1969 - Molybdenite property - Lime Mountain & Windy Arm area		Property File Collection	Report
ARMC013469	Lime Creek molybdenite progress report		Property File Collection	Report
ARMC013471	Correspondence, assay results, DDH results - Lime Creek molybdenite property		Property File Collection	Miscellaneous Company Documents