



Occurrence Details

Occurrence Number: 1150 141
Occurrence Name: Gonzales
Occurrence Type: Hard-rock
Status: Showing
Date printed: 4/29/2025 7:21:53 AM

General Information

Secondary Commodities: copper, lead, zinc
Deposit Type(s): Volcanogenic Massive Sulphide (VMS) Kuroko Cu-Pb-Zn
Location(s): 63°56'12" N - -139°25'14" W
NTS Mapsheet(s): 115014
Location Comments: 1 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Syndicate & Plinc cl (YA79198) in Oct/83 by Arbor Res L and Ebony Gold Corp, which conducted geochem, IP, VLF EM and airborne Input EM surveys and drilled one hole (about 100 m) on the boundary of the Syndicate 24/Plinc 21 claims in 1984, and explored with similar grid surveys in 1986.
A. Osborne tied on Osborne cl (YB23641) to the west side of the Plinc claim in Aug/89. Faith ML optioned 50% of Arbor's interests in Jun/89 and performed geochem surveys and trenching later that year.
In the fall of 1990, a joint venture group consisting of Arbor Resources and Faith Mines (Syndicate claims) and Appian Resources and Klondike Reef Mines ('98' claims) conducted IP and resistivity surveys on the southeast boundary of the Syndicate and '98' claims. The Syndicate 1-83 cl, Filler 1-8 cl and Plinc 1-68 cl were optioned to Kennecott Canada Inc in May/93. In Jan/95 Kennecott transferred the claims back to Arbor Resources Inc. Arbor Resources Inc changes name to Klondike Gold Mining Corporation.

Capsule Geology

The northeastern part of the area is underlain by rusty-weathering muscovite-quartz schist (felsic metavolcanic) with some bands of carbonaceous quartz-muscovite schist of the Permian Klondike Schist Assemblage (unit Psqm). These units grade southwest into quartz and feldspar augen-bearing quartz-muscovite schist (felsic metaporphry; unit Psa), and then into gneissic biotite quartz monzonite (Sulphur Creek orthogneiss; unit Pqmg). The geology is interpreted to reflect a sequence of felsic volcanic rocks with interlayered carbonaceous sediments that has been intruded by a quartz monzonite intrusion and its finer-grained, porphyritic equivalents.
The 1984 drillhole tested a geochemical anomaly and intersected quartz-sericite-chlorite schist and graphite schist with disseminated pyrite and trace amounts of sphalerite, galena and chalcopyrite.
The 1990 geophysical survey tested IP and resistivity responses in an area of known placer potential.

References

ARBOR RESOURCES INC., 1984. Assessment Report #091604 by J.P.Hawkins
ARBOR RESOURCES INC., 1985. Assessment Report #091605 by R.A. Gonzales and P. Grunenberg
ARBOR RESOURCES INC., 1987. Assessment Report #091604 by P.E. Walcott
GEORGE CROSS NEWSLETTER, 2 Jun/89; 8 Nov/89.
KLONDIKE REEF MINES LTD et al., 1991. Assessment Report #092972 by D.G. Mark.
MORTENSEN, J.K., Geological Compilation Maps of the Northern Stewart River map area Klondike and Sixtymile Districts (115N/15,16; 115O/13,14 and parts of 115O/15,16). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open file 1996-1 (G).
YUKON EXPLORATION AND GEOLOGY 1984, p. 203-206.

Work History

Date	Work Type	Comment
12/31/1990	Ground Geophysics	Also resistivity survey. Surveys covered southeast boundary of Syndicate and "98" claims.
12/31/1989	Trenching	
12/31/1986	Ground Geophysics	
12/31/1984	Geochemistry	
12/31/1984	Drilling	One hole, 100 m.
12/31/1984	Geochemistry	
12/31/1984	Ground Geophysics	Also magnetic and VLF-Em survey.
12/31/1984	Trenching	

12/13/1987	Airborne Geophysics	Also magnetic and VLF-em surveys.
12/13/1984	Airborne Geophysics	Input EM.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
093321	1994	1994 Annual Report on the Klondike Gold Project	Magnetic - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Prospecting - Other, Backhoe - Trenching		
093075	1992	Geological, Geochemical and Trenching Report on the Dawson Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other, Mechanical - Trenching		
092690	1988	Geological, Geophysical, Geochemical, and Trench Report for Work Performed by Mark Management Ltd. on the REEF Grid	All Weather Road - Development, Surface, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Line Cutting - Other, Mechanical - Trenching		
091760	1987	Report on Combined Helicopter Borne Electromagnetic, Magnetic, and VLF-EM Survey Bonaza-Eldorado Creek Area	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, VTEM - Airborne Geophysics		
091757	1987	Geological, Geochemical and Diamond Drill Report for Work Performed by Mark Management Ltd. on the Dawson Property	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other, Mechanical - Trenching	27	3151
091753	1986	A Report on Magnetic, Electromagnetic and Induced Polarization Surveys	EM - Ground Geophysics, IP - Ground Geophysics, Magnetics - Ground Geophysics		
091807	1985	Geological, Geochemical and Geophysical Report for Work performed by Mark Management on the Dawson Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies, Petrographic - Lab Work/Physical Studies, Mechanical - Trenching		
091616	1984	Geological, Geochemical and Geophysical Report for Work Performed by Mark Management Ltd. on the Dawson Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Heavy Mineral Concentrate - Lab Work/Physical Studies, Mechanical - Trenching		
091546	1983	Regional Geochemical and Geophysical Report on the Syndicate, Dawson, William, 83, 98, Wild, and Wild Card Claims	Magnetic - Airborne Geophysics, Bedrock Mapping - Geology, EM - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies, Data Compilation - Pre-existing Data		