



Occurrence Details

Occurrence Number: 105K 113

Occurrence Name: Pontoon

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 8/6/2025 8:02:56 AM

General Information

Aliases: Km 410 Zone

Deposit Type(s): Epithermal Au-Ag-Cu: High Sulphidation

Location(s): 62°8'33" N - 133°7'26" W

NTS Mapsheet(s): 105K03

Location Comments: 1 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Originally staked as Canyon cl 301-320 (YA85406) in Jan/84 by Hudson Bay Exploration and Development Company Ltd which staked Canyon cl 41-300 (YA81160) to the southeast at the same time. Hudson Bay carried out geological mapping, prospecting and geochemical sampling in 1984 and 1985. The claims were staked under an option agreement with A. Carlos, who a year earlier had staked Canyon cl 1-40 (YA75717) also to the southeast (Minfile Occurrence #105K 009).

In the summer of 1987 W.H. Pinkenburg staked WHP cl 1-8 (YB07677) 3 km to the southeast and carried out geochemical sampling, prospecting, hand trenching and drilled two packsack drill holes (4.6 m).

In Sep/87 Carlos optioned the Canyon claims to a joint venture group consisting of Noranda Exploration Company Ltd, Brenda Mining Ltd, Hemlo Gold Mines Ltd and Goldnev Resources Inc, which carried out geochemical sampling and staked Can cl 1-94, 101-110, 113-147 and 149 (YB07880) to form a contiguous block with the existing Canyon claims. In Nov/87, Noranda staked Ran cl 1-90, 159-197 and 709-720 contiguously to the northwest and carried out geological mapping, geochemical sampling and airborne geophysical surveying in 1988. Goldnev acquired a 100% working interest in the joint venture in 1989 and carried out drilling on the Main zone located approximately 20 km to the southeast. In 1991, Goldnev carried out trenching west of this occurrence before returning the property to Carlos later in the year.

In Feb/92 Carlos optioned the property to YGC Resources Ltd. In 1993 YGC carried out EM surveying and drilled 4 holes (440.1 m) on the Km 410 grid (1 km west of this occurrence location), as part of a larger exploration program on the property. In 1996 YGC drilled one hole (83.2 m) on the Km 410 grid and carried out definition drilling on the Main zone, before electing not to complete the final year of the option agreement and returning the property to Carlos.

In Jul/99 Carlos staked Dozer cl 1-14 (YC18135) 2 km east of this occurrence location and carried out geochemical soil sampling that year and line cutting and geochemical sampling in 2000. Carlos staked Kaolin cl 1-3 (YC18762) in Jul/2000, 1 km west of the occurrence location and carried out linecutting and geochemical sampling, before adding Kaolin cl 4-10 (YC19300) in Jul/2001 and Kaolin cl 11-12 (YC19374) in Sep/2001. Carlos drilled one hole (71.6 m) in Sep/2001 on Kaolin cl 2. In 2003 Carlos carried out geophysical EM and magnetometer surveying of the Dozer claims.

The Dozer and Kaolin claims and 166 other claims located to the southeast, which together constituted the Grew Creek Property, were optioned by Freegold Ventures Ltd in Jul/2004. Freegold staked Rail cl 1-178 (YC37806) in Dec/2004, consolidating the property by forming a contiguous block of claims that included all of the earlier optioned claims.

In Jan/2008 Carlos optioned the Grew Creek property to Emerick Resources Corporation which completed a compilation report in May/2008. Carlos carried out enzyme leach sampling in 2008. In 2009, Emerick completed nine diamond drillholes (1 592.3 m) on the Grew Creek property. The holes tested Enzyme Leach soil anomalies located at various zones. Five holes (767.3 m) tested two soil targets located in the KM 410 zone. One of the diamond drill holes was lost in overburden. The remaining four diamond drill holes tested the Maverick (Minfile Occurrence #105K 093) and Rat Creek (Minfile Occurrence 105K 009) zones.

Capsule Geology

Tertiary volcanic rocks outcrop within fault slices of Pennsylvanian to Permian chert, tuff and basalt of the Anvil Range Group north of the Grew Creek fault. In 1991, a trench in this zone uncovered intensely iron stained, highly fractured acid leached volcanic rocks. Carlos excavated four hand pits to bedrock in 1992 and encountered intensely clay-altered Eocene sediments with hematite-rich bands. Samples from the pits returned anomalous values of mercury and barium, and a heavy mineral concentrate from 45 kg of glacial till in Pit #2 assayed 9 320 ppb Au.

The 1993 and 1996 drilling tested the intensely clay-altered Eocene (?) sediments. The holes intersected strongly altered feldspar and quartz porphyritic and brecciated rocks similar to those hosting the mineralized Main zone located 20 km southwest (Minfile Occurrence #105K 009) as well as strongly lithified sandstone and conglomerate. Argillic and phyllic alteration is prevalent throughout with acid leaching most common in the upper section of the hole. Sericitization, feldspathization and pyritization occur with local quartz-adularia veining. Only weakly anomalous Au values were returned from sampling of the core.

Analysis by enzyme leach of the samples collected in 2000 identified distinctive oxidation anomalies on both the Dozer and Kaolin claim blocks. The oxidation anomaly identified on the Dozer claims was interpreted to represent a potentially mineralized northwest trending fault zone. A magnetic anomaly, partially coincident with an EM conductor was subsequently identified flanking this oxidation anomaly. Drilling in 2001, on the stongest of two oxidation anomalies on the Kaolin claims intersected hydrothermally altered and brecciated sandstone and conglomerate within a fault zone. Sampling of core returned weakly anomalous Au values.

Work in 2004 was focused 18 km to the southeast where drilling was carried out on the main zone of the Grew Creek deposit (Minfile Occurrence #105K 009).

References

CARLOS, A., Feb/2001. Assessment Report #094233 by A. Carlos and G.T. Hill.

CARLOS, A., Feb/2002. Assessment Report #094257 by A. Carlos.

CARLOS, A., Nov/2003. Assessment Report #094386 by A. Carlos.

FREEGOLD VENTURES LTD, News Release, 14 Jul/2004; 09 Sep/2004; 26 Oct/2004.

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LTD, Sep/85. Assessment Report #091673 by T. Garagan.

HUDSON BAY EXPLORATION AND DEVELOPMENT COMPANY LTD, Jul/86. Assessment Report #091843 by R.W. Stroshein.

NORANDA EXPLORATION COMPANY LTD, Nov/88. Assessment Report #092621 by H. Copland.

NORANDA EXPLORATION COMPANY LTD, Dec/88. Assessment Report #092598 by K.D. Galambos.

PINKENBURG, W.H., Nov/88. Assessment Report #092583 by W.H. Pinkenburg.

YGC RESOURCES LTD, Dec/93. Assessment Report #093154 by R. Stroshein.

YGC RESOURCES LTD, Mar/95. Assessment Report #093239 by R. Stroshein.

YGC RESOURCES LTD, Jan/96. Assessment Report #093416 by R. Stroshein.

YUKON EXPLORATION 1985-86, p. 251-252; 1987, p. 182, 183.

YUKON EXPLORATION AND GEOLOGY 1983, p.193; 1984, p. 109; 1988, p. 28-29; 1996, p. 28, 30, 32; 2004, p. 14.

Work History

Date	Work Type	Comment
12/31/2003	Ground Geophysics	Also magnetic survey.
12/31/2001	Drilling	One hole, 71.6 m.
12/31/2001	Geochemistry	On Kaolin claims 1-3.
12/31/2000	Geochemistry	
12/31/1999	Other	Carried out on Dozer claims.
12/31/1996	Drilling	One hole, 148.1 m.
12/31/1988	Trenching	
12/31/1988	Geochemistry	Also rock sampling.
12/31/1987	Geochemistry	
12/31/1984	Geology	
12/31/1984	Other	
12/13/1988	Ground Geophysics	
12/13/1987	Drilling	Two holes, 4.6 m.
12/13/1987	Trenching	
12/13/1987	Other	
12/13/1984	Geochemistry	Also rock sampling.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095828	2011	Assessment Report, 2011 Exploration Program	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Orthophoto - Airphotography, Diamond - Drilling, Rotary - Drilling, Detailed Bedrock Mapping - Geology, Downhole Survey - Ground Geophysics, IP - Ground Geophysics, Resistivity - Ground Geophysics, Prospecting - Other	70	19107
095232	2009	2009 Diamond Drilling Report on the Canyon Gold Grew Creek Project	Diamond - Drilling	3	1592.30
093416	1995	1995 Diamond Drilling Report on the Grew Creek Gold Project	Diamond - Drilling	14	1530
093154	1993	1993 Diamond Drilling Report on the Carlos Gold Project	Diamond - Drilling, Drill Core - Geochemistry	17	1960
092621	1988	Geological, Geophysical and Geochemical Report on the Can 1-94, Can 101-110, Can 113-147, Can 149 Claims	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Detailed Surficial Mapping - Geology, Magnetics - Ground Geophysics		
092002	1987	Geochemical & Geophysical Report on the Grew Creek Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Soil - Geochemistry		
091843	1986	Assessment Report of Geology and Geochemical Sampling Canyon Claims	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Property Evaluation - Other		
091673	1985	Assessment Report of Geological Mapping and Geochemical Sampling on the Canyon 301-320 Claims	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
091587	1984	Exploration Report of Geological, Geochemical and Geophysical Surveys on the Canyon Claim Group	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies		
			Rotary - Drilling, Historical Drill Core - Geochemistry, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock		

019824	1971	Exploration Report Hoho-Bram and Lorna, Roto, Gran, Jean, Aro Mineral Claim Groups Tintina-Anvil Project 1971	Mapping - Geology, EM - Ground Geophysics, Gravity Survey - Ground Geophysics, Magnetics - Ground Geophysics, Petrographic - Lab Work/Physical Studies, Prospecting - Other, Data Compilation - Pre-existing Data		
092062	1966	Geological Map of Faro area	Regional Bedrock Mapping - Geology		
017540	1966	Report on Airborne Geophysical Survey, Geochemical Survey and Geological Survey	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Soil - Geochemistry, Bedrock Mapping - Geology		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC018786	Field map - Pelly River area - 105K/8		Property File Collection	Geoscience Map (General)