



Occurrence Details

Occurrence Number: 116B 001

Occurrence Name: Index

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 6/15/2025 10:24:42 AM

General Information

Secondary Commodities: antimony, arsenic, bismuth, copper, gold, lead, silver, zinc

Aliases: Antimony Mountain

Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au

Location(s): 64°15'50" N - -138°13'53" W

NTS Mapsheet(s): 116B08

Location Comments: .5 Kilometres

Hand Samples Available: Yes

Last Reviewed:

Capsule

Work History

Staked as Sarah, etc. cl (12587) in Jul/16 by W. Walker, who completed an 5.5 madit in 1917 and hand trenching in 1918. The adjoining Alice, etc. cl (12689) were tied on by M.S. McCowan in Aug/18.

Restaked as Stibnite, etc. cl (15073) in Jul/26 by J.E. Hollenbeck, who hand trenched and built a trail in 1929; as Risky, etc. cl (57677) in Jul/51 by C.C. Henderson and adjoining Mystery, etc. cl (57701) in Aug/51 by A. Sansoucy, who hand trenched in 1952; and as Summit cl (78962) in Jul/60 by Yukon Cons Gold Corp, which trenched in 1961.

Restaked as Walker cl 1-6 (79291) in Aug/63 by F. Burkhard & C.C. Henderson. The showing was mapped and sampled under option in 1965-66 by Conwest, which added the Ant cl (87297) to the south in Nov/65.

J.A. Hanna optioned the Walker group and adjoining Sandow cl (86982) and Pika, etc. cl (Y56906) to the north in 1970 and performed mapping and trenching in 1971. The adjoining Syndy cl (87375) were staked in Apr/66 by W. Kaufman & B. Fitch and optioned by Mid-West ML which conducted sampling and trenching later in the year.

In Apr/79 Anaconda Canada Exploration Ltd staked Thor cl 1-192 (YA32315) on the west side of the remaining Walker claims (1-4). The company explored with soil sampling, mapping and EM surveys later in 1979 and 4 holes (1 000 m) in 1980. The Thor claim block was subsequently restaked as Roth cl 1-20 (claim numbers unknown) but these were allowed to lapse without further work.

Total Erickson Resources Ltd surrounded the remaining 4 Walker claims with Tooth cl 1-180 (YB17966) in Sep/88. In spring 1989, Total Erickson changed its name to Total Energold Corp and carried out geological mapping, soil sampling and geophysical surveys later that year.

S. Ridgway fringe staked to the south and west with 114 Dar cl (YB39844) in Jan/91.

In Oct/94 Kennecott Canada Inc surrounded the 4 remaining Walker claims with the Am cl 1-120 (YB52734). In Jul/95 the company added AM cl 121-126 (YB53972). In the summer of 1995 Kennecott carried out detailed geological mapping and rock, soil and stream sediment sampling on the AM claims. Kennecott continued exploring various parts of its claim block in 1996 and 1998.

Capsule Geology

Pyrite, galena, arsenopyrite and chalcopyrite occur in tourmaline-bearing quartz and quartz-carbonate veins (locally called the Walker vein) near the margin of the composite Mid-Cretaceous Antimony Mountain syenite to quartz- monzonite stock. Sedimentary rocks of the Late Proterozoic-Early Cambrian Hyland Group and the Ordovician to Lower Devonian Road River Formation are intensely silicified and pyritized adjacent to the intrusion, and locally contain patches of intense sericitization.

The original showing located on Antimony Mountain consists of crystal aggregates and pods of stibnite up to 25 cm thick, erratically distributed with quartz through an aplite or rhyolite dyke that cuts the syenite stock near its contact with hornfelsed Road River Formation rocks. The dyke strikes northeast, dips steeply southeast and has been traced for 460 m. Considerable disseminated pyrite occurs near the intrusive contact.

Each company that has worked in the area has taken a cursory look at the Walker vein but very little new exploration has occurred since the 1970's. To the west (Minfile Occurrence #116B 095), Anaconda located eight quartz veins containing pyrite, arsenopyrite, pyrrhotite and minor chalcopyrite and sphalerite. These veins cut a sequence of Proterozoic to Lower Cambrian Hyland Group sedimentary rocks which are repeated by thrust faulting near the margins of the syenite stock. The veins are up to 1 m wide and tens of metres long, and returned assays as high as 10% Cu, 3% Pb, 2.5% Zn, 300 g/t Ag and 30 g/t Au. In 1989 Total Energold re-mapped and sampled five of the more significant arsenopyrite-pyrite-tourmaline -quartz-calcite veins found by Anaconda.

Kennecott staked their claims to evaluated the bulk tonnage gold potential of the stock and surrounding country rock. Kennecott's maps show the Walker vein but did not examine it. Both Energold and Kennecott collected a large number of stream sediment and soil samples from areas surrounding the Walker claims and numerous spot anomalies were reported. Follow up work failed to uncover any new showings on or near the Walker claims and Kennecott focused their efforts towards veins and showings located at neighboring Minfile Occurrences #116B 094 and 095.

References

ANACONDA CANADA EXPLORATION LTD, Apr/80. Assessment Report #090552 by C. Roots et al.

CRAWFORD, W.J., Apr/59. The Geology of the Southwestern Ogilvie Mountains. Unpublished B.A.Sc. Thesis, University of British Columbia, p. 39-40.

GEOLOGICAL SURVEY OF CANADA, Memoir 364, p. 142.

GEOLOGICAL SURVEY OF CANADA, Summary Report 1919, Part B.

GEORGE CROSS NEWSLETTER, 28 Apr/66.

KENNECOTT CANADA INC, Jan/96. Assessment Report #093422 by T. Heah.

KENNECOTT CANADA INC, Dec/96. Assessment Report #093525 by S. Coombes.

KENNECOTT CANADA INC, Jan/99. Assessment Report #093916 by F. Andersen and R. Hulstein.

LIVGARD CONSULTANTS LTD, Nov/70. Assessment Report #060246 by E. Livgard.

TOTAL ENERGOLD CORP., Nov/89. Assessment Report #092787 by K. Pelletier.

TOTAL ENERGOLD CORP., Nov/89. Assessment Report #092792 by R. Basnett.

YUKON EXPLORATION 1984, p.239.

YUKON EXPLORATION AND GEOLOGY 1981, p. 279.

YUKON EXPLORATION & GEOLOGY 1995, p. 16. 1996, p. 30. 1998, p.29.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 289 to 291.

Work History

Date	Work Type	Comment
12/31/1998	Geochemistry	Also silt and soil sampling.
12/31/1998	Geology	
12/31/1996	Geology	
12/31/1996	Other	
12/31/1995	Geochemistry	Also silt and soil sampling.
12/31/1989	Geology	
12/31/1989	Geochemistry	Also rock and silt samples.
12/31/1971	Geology	
12/31/1971	Trenching	
12/31/1929	Trenching	
12/31/1918	Trenching	
12/31/1917	Development, Underground	Dug 5.5 m adit.
12/13/1980	Drilling	Four holes, 1,000 m.
12/13/1979	Geology	
12/13/1979	Geochemistry	
12/13/1979	Ground Geophysics	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095091	2008	2008 MMI Soil and Rock Geochemical Report on the Cheyenne Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Petrographic - Lab Work/Physical Studies, Prospecting - Other, Process/Interpret - Pre-existing Data		
094867	2007	Helicopter Magnetic and Radiometric Survey on the CHEYENNE Project	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics		
094729	2005	Geochemical, Geophysical, Trenching Report on the ANT Claims	Rock - Geochemistry, Soil - Geochemistry, Magnetics - Ground Geophysics, Line Cutting - Other, Hand - Trenching		
092787	1989	Geological and Geochemical Report on the BUZ 1-14, HUD 1-14, and TOOTH 1-180 Claims	Historical Drill Core - Geochemistry, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Line Cutting - Other, Prospecting - Other, Surveying - Other		
060246	1970	Report on the Walker Claims	Interpretation - Airphotography, Rock - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other, Data Compilation - Pre-existing Data		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC012701	Property submission report and correspondence re: Antimony Mountain - Phil Collins prospect		Property File Collection	Report