



## Occurrence Details

**Occurrence Number:** 105C 003

**Occurrence Name:** Bar

**Occurrence Type:** Hard-rock

**Status:** Prospect

**Date printed:** 5/31/2025 7:58:37 AM

## General Information

**Secondary Commodities:** antimony, arsenic, barite, lead, mercury, silver, thallium, tin, zinc

**Deposit Type(s):** Sediment hosted Stratiform Barite

**Location(s):** 60°30'16" N - -132°14'26" W

**NTS Mapsheet(s):** 105C09

**Location Comments:** .5 Kilometres

**Hand Samples Available:** No

**Last Reviewed:**

### Capsule

#### Work History

Staked as Red Top and Amber Spring cl (72569) in Jun/56 by A.E. Johnson and W.J. Thompson. Restaked as Superior cl (73177) in Sep/57 by E. Armitage; as Key cl (Y29073) in Mar/69 by J. Babwik; as Smeg cl (Y55389) in Jul/71 by Wolf Lake Joint Venture (Rayrock Mines Ltd, Ashland Oil Canada Ltd and Canadian Industrial Gas and Oil Ltd), which carried out geological mapping and geochemical sampling later in the year.

Restaked as Bar cl 1-8 (YA0026) in Jun/76 and Bar cl 9-20 (YA00913) in Aug/76 by J.C. Stephen on behalf of the DC Syndicate (Dome Mines Ltd and Cominco Ltd), which carried out geological mapping, geochemical soil sampling and an IP survey in 1977; a magnetometer survey and rock trenching in 1978; and drilled 4 holes (340 m) in 1980.

In 1981, the claims reverted to Stephen and were optioned to Chevron Canada Ltd, which carried out linecutting, geological mapping and geochemical sampling in 1981 and 1982.

In 1982, Stephen staked Abba cl 1-8 (YA68502) immediately east of the Bar claims and carried out geological mapping, magnetometer surveying and geochemical soil sampling later that year.

After Chevron dropped its option, the claims were transferred to Comox Resources Ltd (Cambac Resources Ltd), which carried out geological mapping, geochemical sampling, VLF-EM and IP surveying and trenching in 1983. Comox drilled 5 holes (608 m) in 1985.

Restaked as the Eng cl 1-144 (YB46007) in Aug/93 by Cominco Ltd. In June and Jul/94 Cominco personnel carried out UTEM electromagnetic, magnetometer and gravity surveying over the west-central portion of the claim block and drilled two holes (536.4 m) in 1997.

#### Capsule Geology

Three areas of mineralization occur in an area of Carboniferous shale, chert sandstone and chert pebble conglomerate overlain by Mississippian tuff and limestone. Early work focused on a massive bedded barite deposit at least 15 m thick that occurs at the base of a grey-green, pyritic chert unit of Early Mississippian age. Thin lamellae and veinlets of pyrite and minor lenses of galena-sphalerite-tetrahedrite are abundant in the lower part of the barite.

Drilling showed that a pyrite zone up to 24 m thick underlies the barite, and veins of massive pyrite and barite-galena up to 3 or 4 m thick crosscut footwall stratigraphy beneath the barite and pyrite layers. No bedding or zoning is apparent in the barite or pyrite although both are roughly conformable with host rocks. A 6 to 20 m wide dyke of hornblende microdiorite cuts the lower part of the section near the showing.

Southeast of the stratiform barite body, a southeast-trending IP anomaly 250 m wide and 700 m long, adjoins a silicified zone with a coincident resistivity high and a lead, silver and thallium geochemical signature. Holes 85-7 and 85-8 tested the IP anomaly and intersected scattered zones of weak pyrite-galena-sphalerite mineralization with low silver values. Two 1985 holes (6 and 6A) tested the silicified zone and intersected 25 m of scattered pyrite-galena-sphalerite mineralization. The best assay graded 2.8% Zn, 0.4% Pb and 32 g/t Ag over 90 cm.

The third area of interest is a zone of spectacular exotic limonite gossans developed along a thrust fault that has placed the footwall limestone sequence over the Mississippian rocks about 1.2 km southwest of the main zone. These gossans are anomalous in zinc, mercury, antimony, thallium and arsenic. Hole 85-5 was drilled to explore for the source of these anomalies but intersected only a 40 m wide zone of barren silicification.

The objective of Cominco's geophysical surveying was to test the ability of the UTEM electromagnetic system to locate conductive mineral deposits. Although Cominco did not comment on the property geology or potential targets, it appears the survey was aimed at locating an extension of the barite hosted stratiform pyrite-galena-sphalerite mineralization discovered by Comox Resources in 1985. The survey was not successful due to the conductive nature of the rocks underlying the survey area.

The 1997 drilling tested the barite hosted stratiform pyrite-galena-sphalerite mineralized horizon over a 400 m strike length. Both holes intersected minor sphalerite and galena mineralization, as well as several intervals of veined to massive pyrite. The best core assays of mineralized barite returned 2.5% Zn, 0.6% Pb and 22% Ba over a 1m core length.

#### References

BARRIE, C.Q., Apr/77. A Mississippian bedded barite deposit, Bar claim group. Unpublished B.Sc. Thesis, McMaster University.

CAMBAC RESOURCES LTD, Sep/83. Prospectus Report #062206 by E.P. Sawyer.

COMOX RESOURCES LTD, Jun/86. Assessment Report #091828 by A.E. Heagy.

CHEVRON CANADA LTD, Oct/82. Assessment Report #091382 by D. Shaw and C.V. Dyson.

COMINCO LTD, Oct/94. Assessment Report #093259 by J.J. Lajoie.

COMINCO LTD, Jan/98. Assessment Report #093810 by D.A. Senft.

DC SYNDICATE, Feb/77. Assessment Report #090178 by J.C. Stephen and G.M. DePaoli.

DC SYNDICATE, Apr/79. Assessment Report #091105 by J.C. Stephen.

DC SYNDICATE, Jul/80. Assessment Report #090651 by J.C. Stephen.

DC SYNDICATE, Mar/83. Assessment Report #091448 by J.C. Stephen.

GORDEY, S.P. AND STEVENS, R.A., 1994. Preliminary interpretation of bedrock geology of the Teslin area (105C), southern Yukon. Geological Survey of Canada Open File 2886 (map, scale 1:250 000).

HUNT, J.A., 2002. Volcanic-associated massive sulfide (VMS) mineralization in the Yukon-Tanana Terrane and coeval strata of the North American miogeocline, in the Yukon and adjacent areas. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Bulliten 12, 107 p.

MINERAL INDUSTRY REPORT 1976, p. 189; 1978, p. 59-60.

YUKON EXPLORATION 1985-86, p. 142-143.

YUKON EXPLORATION AND GEOLOGY 1981, p. 109; 1982, p. 105-106; 1983, p. 153-154; 1997, p. 35, 37.

Work History

Date	Work Type	Comment
12/31/1997	Drilling	Two holes, 536.4 m.
12/31/1994	Ground Geophysics	Also UTEM and magnetic surveys.
12/31/1985	Drilling	Five holes, 608 m.
12/31/1983	Geology	
12/31/1983	Ground Geophysics	Also VLF-EM survey .
12/31/1983	Trenching	
12/31/1981	Geology	
12/31/1981	Geochemistry	
12/31/1980	Drilling	Four holes, 340 m.
12/31/1978	Geochemistry	
12/31/1978	Ground Geophysics	
12/31/1978	Trenching	
12/31/1977	Geology	
12/31/1977	Geochemistry	
12/31/1977	Ground Geophysics	
12/31/1971	Geology	
12/31/1971	Geochemistry	
12/13/1982	Geology	
12/13/1982	Geochemistry	
12/13/1982	Ground Geophysics	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
<a href="#">095021</a>	2007	Assessment Report Describing Diamond Drilling at the Bar Property	Diamond - Drilling	3	622.09
<a href="#">094800</a>	2006	Assessment Report Describing Geophysical Surveys at the Bar Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, VTEM - Airborne Geophysics, Rock - Geochemistry, Rock - Geochemistry, Prospecting - Other		
<a href="#">093810</a>	1997	1997 Assessment Report on the Bar Property Diamond Drilling	Diamond - Drilling, Diamond - Drilling	4	1072.80
<a href="#">093259</a>	1994	Utem Electromagnetic, Macnetic, and Gravity Geophysical Surveys on the Barenc Property, Yukon.	Soil - Geochemistry, EM - Ground Geophysics, Gravity Survey - Ground Geophysics, Magnetics - Ground Geophysics		
<a href="#">062206</a>	1983	Summary Report on the Bar Claim Group	Data Compilation - Pre-existing Data		
<a href="#">091382</a>	1983	Assessment Report, Geochemical Survey, Bar Claims	Soil - Geochemistry		
<a href="#">090651</a>	1980	Costs and Diamond Drill Logs for Holes 80 B-2, 80 B-3	Diamond - Drilling	4	339.85
<a href="#">091105</a>	1978	Report on Trenching, Bar 1-8	Backhoe - Trenching		
<a href="#">090178</a>	1976	Geological, Geochemical, Geophysical Report on the Bar 1- 20 Claim Group	Soil - Geochemistry, Detailed Bedrock Mapping - Geology, IP - Ground Geophysics, Line Cutting - Other		

Related References

Number	Title	Page(s)	Reference Type	Document Type
<a href="#">ARMC005221</a>	Field report on geology, V.L.F. and magnetometer surveys - Bar claim group		Property File Collection	Report
<a href="#">ARMC005222</a>	Certificate of analysis - A8413613-001-A - Bar claim group		Property File Collection	Assays
<a href="#">ARMC005223</a>	Property submission - 44 Bar claims		Property File Collection	Report
<a href="#">ARMC005224</a>	Bar claims - Examination notes		Property File Collection	Miscellaneous Company Documents

Drill core at YGS core library					
Number	Property	Year Drilled	Core Size	Photos	Data
<a href="#">BR-07-02</a>	Bar	2007	BTW	22	4
<a href="#">BR-07-03</a>	Bar	2007	BTW	18	4
<a href="#">80-B-1</a>	Bar	1980	BQ	0	1
<a href="#">80-B-2</a>	Bar	1980	BQ	0	2
<a href="#">80-B-3</a>	Bar	1980	BQ	0	2