



Occurrence Details

Occurrence Number: 116B 004

Occurrence Name: Germaine

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 6/15/2025 11:41:32 AM

General Information

Secondary Commodities: gold

Deposit Type(s): Porphyry Sn

Location(s): 64°2'52" N - 138°56'56" W

NTS Mapsheet(s): 116B02

Location Comments: .5 Kilometres

Hand Samples Available: Yes

Last Reviewed:

Capsule

Work History

Staked as White Rock cl (11620) in Dec/09. Restaked as Rosebush cl (78057) in Jul/56 by A. Sansoucy; as Tin and Tina cl (Y15993) in May/69 by F. Roberts; and as Surprise cl 1-219 (YA9565) in Oct/76 and 1977 by Archer Cathro and Associates Ltd for the Ukon Joint Venture (Chevron Canada Ltd & Kerr Addison Mines Ltd), which carried out soil geochemical and radiometric surveying in 1976 and 1977. In 1978, Ukon Joint Venture (UJV) carried out soil sampling, geological mapping, radiometric surveying, bulldozer trenching and drilled 9 holes (411 m). UJV carried out radon gas surveying on the western portion of the claim block and geological mapping, soil panning and radiometric surveying on the northwestern side of the block in 1979.

L. Rambaraw staked the Lindsay cl 1 (YA10105) 1.5 miles south in May/77, possibly in connection with nearby placer work. S. Wooten and associates restaked the fringe claims to the south as Pup, etc cl (YA31824) in Sep/78 and added more claims in 1979 and 1980.

Restaked as Acrete cl 1-14 (YA84082) in Jun/84 by Nordac Mining Corp, which carried out trenching, geological mapping and sampling in 1985. Restaked again as Germ cl 1-24 (YB23373) in Nov/88 by G. Carlson (50%) and Golden Rum Resources Ltd (50%). Noranda staked Rabt cl 1-8 (YB23365) to the west in Dec/88 and staked Rabt cl 9-35 (YB23427) in May/89. Noranda optioned the Germ claims in Jun/89 and carried out geological mapping and geochemical (rock and soil) sampling that year. The Germ claims reverted back to Golden Rum (50%) and G. Carlson (50%) in Feb/90.

Restaked as Brik cl 1-28 (YB67979) by Balaclava Mines Inc in Mar/96, which carried out geological mapping and limited geochemical (rock and soil) sampling later that year. In Sep/97 the claims were optioned to Radius Explorations Ltd which staked Brik cl 29-66 (YC04766) later that month and carried out geological mapping, prospecting, geochemical (rock, soil and heavy mineral) sampling, magnetic and IP geophysical surveying and excavator trenching. In 1998, Radius carried out diamond drilling of seven holes (375 m) before dropping the option.

Capsule Geology

Chalcedony veins up to 10 cm wide and zones of chalcedonic breccia are associated with a clay-altered quartz-feldspar porphyry stock of Eocene age. The veins and breccia zones cut felsic lapilli tuff, volcanic breccia and underlying pebble and cobble conglomerate and altered serpentinite between the mouths of Germaine and Goring Creeks. Wall rocks and breccia fragments are intensely kaolinized and silicified. The veins and alteration zones, which consist of quartz, sericite, ankerite, magnetite and pyrophyllite, are variably anomalous in As, Hg, Sb and Tl, but rarely anomalous in precious metals.

Abundant cassiterite found in placer gravels suggests a fumarolic source for the tin, which probably formed as colloform aggregates in vugs and vesicles in rhyolite porphyry. Fluorite and topaz are common accessory minerals in the porphyry. Highly kaolinized porphyry assayed up to 100 ppm Sn compared with only 7 ppm in unaltered porphyry.

Exploration in the 1970's was directed towards uranium potential within the stock, following the discovery of anomalous uranium contents in water of the creeks draining the area.

Mapping in 1989 outlined a 800 x 700 m quartz-carbonate altered ultramafic body on the northeast part of the property. Rock samples from this unit contained up to 1 336 ppm Ni and 80 ppb Au. The samples with anomalous gold were concentrated along an intensely altered northeast-trending zone which may be a fault.

Work in 1996 focused on the gold potential of the area and Balaclava identified a zone of epithermal style alteration coincident with a vegetative kill zone along the margin of a distinctive aeromagnetic low near the ultramafic body. Geochemical sampling confirmed previous exploration results and returned peak values of 272 ppb Au, 548 ppm As, 6 ppm Bi, 13 ppm Sb and 3 ppm Hg from soil samples, although values for gold from rock sampling were generally low (less than 20 ppb).

Results of the 1997 program identified magnetic anomalies and an IP chargeability-resistivity anomaly that is closely coincident with an Au-As-Sb soil anomaly in an area underlain by the ultramafic body near the margin of the Tintina Fault Zone. Extensive and frozen overburden hampered exploration and data interpretation. Diamond drilling completed in 1998 showed, that gold mineralization was low grade and restricted to the ultramafic rocks, that the ultramafic rocks are bounded by subhorizontal thrust faults and that the thrust fault is underlain by schist containing abundant graphite that explains chargeability anomalies detected in the area.

References

BALACLAVA MINES INC, Sep/97. Assessment Report #093751 by H.J. Keyser.

GEOLOGICAL SURVEY OF CANADA, Economic Geology Report NO. 28, p. 70.

GEOLOGICAL SURVEY OF CANADA, Paper 65-19, p. 64-65.

MINERAL INDUSTRY REPORT 1978, P. 28-29.

MORTENSEN, J.K., and RUSHTON, R., 1992. Preliminary observations on the geology and geochemistry of quartz veins in the Klondike District, West-Central Yukon. In: Yukon Geology Vol. 3, Exploration and Geological Services Division, DIAND, p. 260-270.

NORANDA EXPLORATION COMPANY LTD, Dec/89. Assessment Report #092790 by R. Diment.

NORDAC MINING CORP, Jul/85. Assessment Report #091632 by R.J. Cathro.

RADIUS EXPLORATIONS LTD, May/98. Assessment Report #093830 by H.J. Keyser.

RADIUS EXPLORATIONS LTD, Nov/98. Assessment Report #093924 by H.J. Keyser.

UKON JOINT VENTURE, 1976. Assessment Report *#090188 by A.R. Archer and E.P. Onasick.
UKON JOINT VENTURE, 1977. Assessment Report *#090274 by A.R. Archer.
UKON JOINT VENTURE, Mar/79. Assessment Report #090448 by A.R. Archer.
UKON JOINT VENTURE, Feb/80. Assessment Report #090556 by A.R. Archer.
YUKON EXPLORATION 1985-86, p. 391-392; 1988, p. 235, 239-240; 1989, p. 141.

Work History		
Date	Work Type	Comment
12/31/1998	Drilling	Seven holes, 375 m.
12/31/1997	Geochemistry	Also soil and heavy mineral sampling.
12/31/1997	Geology	
12/31/1997	Ground Geophysics	Also IP survey.
12/31/1997	Trenching	
12/31/1997	Other	
12/31/1996	Geochemistry	Also soil sampling.
12/31/1996	Geology	
12/31/1989	Geochemistry	
12/31/1989	Geology	
12/31/1989	Geochemistry	
12/31/1985	Geology	
12/31/1985	Geochemistry	
12/31/1985	Trenching	
12/31/1978	Geology	
12/31/1978	Geochemistry	
12/13/1979	Geology	
12/13/1979	Geochemistry	Panned samples.
12/13/1979	Ground Geophysics	Radon gas sampling.
12/13/1978	Ground Geophysics	
12/13/1978	Drilling	Nine holes, 411 m.
12/13/1978	Geochemistry	
12/13/1978	Trenching	
12/13/1977	Ground Geophysics	
12/13/1977	Geology	
12/13/1977	Geochemistry	
12/13/1977	Trenching	
12/13/1977	Trenching	
12/13/1976	Ground Geophysics	
12/13/1976	Geology	
12/13/1976	Geochemistry	Also silt sampling.

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
093751	1996	Report on the 1996 Geological and Geochemical Assessment Work on the BRIK Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other, Data Compilation - Pre-existing Data		
090556	1979	Radiometric Geochemical and Radon Soil Gas Survey on the	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Gamma-ray Spectrometry - Ground Geophysics, Heavy		

090448	1978	SURPRIZE 1-225 Claims	Mineral Concentrate - Lab Work/Physical Studies, Line Cutting - Other, Prospecting - Other		
090448	1978	Assessment Report Surprise Claims	Auger - Drilling, Drill Core - Geochemistry, Drill Cuttings - Geochemistry, Soil - Geochemistry, Mechanical - Trenching	9	415.40

Related References				
Number	Title	Page(s)	Reference Type	Document Type
ARMC016773	Geology map - 116B/2 - Rabbit Creek		Property File Collection	Geoscience Map (Geological - Bedrock)