



Occurrence Details

Occurrence Number: 115N 042

Occurrence Name: Butler

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 4/29/2025 2:54:34 PM

General Information

Secondary Commodities: antimony, arsenic, copper, gold, lead, molybdenum, silver

Deposit Type(s): Porphyry Cu-Mo-Au

Location(s): 63°54'56" N - -140°34'33" W

NTS Mapsheet(s): 115N15

Location Comments: Location from AR094443 and satellite imagery

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

About a dozen copper claims were staked by H.E. Porter and others in the Fifty Mile Creek area in 1899-1900 but no specific locations were given. The occurrence was staked as Little Round Top (6080), Richmond (6144) and Waiuk (6277) in Aug-Sep/02 by W.J. Donahue, etc. Early development consisted of shallow shafts and trenches prior to 1911. Restaked as Ben cl 1-58 (Y15453) in Aug/68 by Connaught Mines Ltd which carried out soil sampling and bulldozer trenching in 1969. In 1972, Moly-Ore Mines Ltd carried out bulldozer trenching and staked the Bushybuck cl (Y65612) under option. Connaught optioned the property to Shamrock Mines Ltd in 1974 and transferred it to A.F. Tottrup in 1976. Later that year, J.R. Lerner hand clobbered 4.6 tonnes under a lease from Tottrup, who optioned the claims to Westley Mines Ltd in 1979. The Ron cl (YA32667) were added to the west in Apr/79 by R. Fransoo and the Lief cl (YA47810) were staked about 2 km west in Oct/79 by D. Foth, who transferred part interest to L. Grimard and J. Trottier. In 1981, the Ron group was transferred to Westley Mines Ltd. Restaked as Pra cl 45-67 (YA89118) and Har cl 1-134 (YA89559) in Apr/87 by Walhalla Exploration Ltd. The property was optioned to Croesus Resources Inc in Jul/87, which added Bozo cl 1-12 (Y34061) in Aug/87 and carried out geological mapping, geochemical sampling and road construction later in the year. The property was then optioned to Kelan Resources Inc which carried out geochemical surveying, trenching and drilled 9 holes (285.3 m) in 1988. In May/89 the Pra, Har and Bozo claims were transferred back to Walhalla, which drilled 7 holes (411 m) later that year. In 1990, Tombstone Exploration Ltd purchased a 100% interest in the property, subject to a 2.5% net smelter return held by Walhalla Exploration Ltd. Exploration consisted of bulldozer trenching and geochemical sampling on the skarn in 1990 and 1991, and overburden drilling of 36 holes (108.8 m) in 1992. Galleon Mining Ltd purchased a 20% interest in Walhalla in Dec/91. P. Ledwidge restaked the vein showings as Om cl 1-12 (YC07359) in Jun/98 and staked Mug cl 1-8 (YC07351) 3 km to the northwest at the same time. Carta Resources Ltd optioned the Om and Mug claims in Apr/99 and staked Tom cl 3-24 (YC17147) contiguously with the original Om claims in Jun/99 and carried out linecutting, geological mapping and geochemical soil sampling later that year. The skarn showing (occurrence B) was restaked as Mag cl 1-8 (YC07670) in Jul/98 by 17363 Yukon Inc, which added Mag cl 9-14 (YC12155) contiguously to the north in Aug/98. The company carried out limited prospecting and geochemical sampling at that time and in 1999 Equity Engineering Ltd carried out a property examination on behalf of 17363 Yukon Inc which included limited geological mapping and geochemical sampling. In Jan/99 Carta Resources changed its name to EarthRamp.Com Communications Inc and repositioned itself as an Internet content provider and developer. In Jan/2000 the company sold its interest in the Om, Mug and Tom claims to H. Leo King & Associates. The claims were subsequently optioned to Grid Capital Corporation which funded a geological mapping, soil sampling and prospecting program in August and Sep/2001 and added Mi cl 1-10 (YC21051). Grid Capital intended to use the 2001 work program as a "Qualifying Transaction" for their initial public offering but unforeseen legal interpretations disallowed the investment. In May/2002 Grid Capital's purchase of the claims was finally approved by the Toronto Stock Exchange - Venture Exchange. In Jul/2003, Grid Capital carried out an IP geophysical survey over the claims and in Sep/2003 drilled 5 diamond drill holes (813.8 m).

Capsule Geology

Gordey and Ryan (2005) of the Geological Survey of Canada released a 1:250 000 geological compilation map which covered this area. The authors drew upon their own detailed geological mapping programs, other geological mapping programs and recently released age dates to construct their map. The two showing are underlain by Devonian to Mississippian age quart-mica schist (unit DMPs) (older maps may refer to this unit as Nasina Assemblage) which is intruded by a small mid (?) Cretaceous granitic stock. Both occurrences occur in Devonian to Mississippian aged hornfelsed schist that has been intruded cut by a small mid (?) Cretaceous granodiorite stock. Nine mineralized silver-lead-arsenic vein structures are found in the vicinity, two of which comprise this occurrence. In addition, an epidote-magnetite-diopside-pyroxene skarn (occurrence B) containing minor chalcopyrite and pyrrhotite is developed at the contact between a marble bed and the intrusion. A skarn specimen taken by Kelan assayed 0.59% lead, 21 g/t silver and no gold. Kelan's geochemical survey outlined a 2 400 by 300 m area of lead, silver, arsenic, antimony and gold response associated with the magnetite skarn. Soil sampling over the stock to the north of the skarn located a large, moderately intense copper anomaly with two smaller but coincident molybdenum anomalies. Trenching failed to locate any mineralization or significant leaching to explain the anomalies. A linear lead soil anomaly, some 1 300 m in length, is located about 2 km east of the skarn. It was explored in 1967 by a trench which exposed a galena-tetrahedrite-carbonate vein (No. 6 vein) that assayed 5 698 g/t silver, 4.11 g/t gold and 52.5% lead across 1.2 m. In 1972, the No. 6 vein was trenched at regular intervals over a strike length of 400 m with the vein ranging from 15 to 40 cm in width. The best assay was 5 500 g/t silver, 0.69 g/t gold and 24.8% lead across 30 cm. About 600 m west of the magnetite skarn, Connaught traced a second vein (No. 8) over a length of 500 m. It contains coarse galena that assayed up to 2 218 g/t silver, 62% lead and 0.17 g/t gold across 0.6 m. Kelan sampled this vein in another trench and reported that selected samples returned up to 4 151.9 g/t silver, 3.95% lead and 2.13 g/t gold. The 1988 drilling tested the No. 6 vein and the magnetite skarn, but only two economically interesting intersections are reported, the best of which assayed 4.0 g/t gold over 1.67 m. Overburden drilling in 1992 tested a copper-gold anomaly and intersected altered quartz monzonite. Anomalous copper values of up to 1 383 ppm and gold values of up to 40 ppb were encountered. Carta's 1999 work extended the previously delineated lead soil anomaly 1 km further to the east with analysis of soil samples returning peak values of 622.7 ppm lead, 206.3 ppm copper, 3 982 ppb silver, 772.7 ppm arsenic and 26.2 ppb gold. Grab sampling on the Mag claims carried out by Equity and 17363 Yukon Inc confirmed historic values returned during previous investigations, with the best sample returning 4 094 ppb gold and 223 ppm silver from quartz stockwork in granodiorite. The 1991 soil sampling program tested the newly staked Mi claims and the eastern half of the Tom claims. Two distinct zones of mineralization were identified. The main anomaly is a multi-element (copper-gold-molybdenum-lead-silver-arsenic) anomaly centered in the northeast portion of the Tom claims. It is roughly 600 metres wide and over 2 kilometers long and is open to the southeast. A second sub-parallel anomaly (gold-molybdenum-copper) occurs further to the south and measures approximately 300 metres wide and over 1 kilometer in length. Four of the 2003 drill holes targeted coincident IP and multi-element soil geochemical anomalies. The four drill holes encountered weakly altered, quartz monzonite mineralized with disseminated pyrite +/- chalcopyrite +/- molybdenite veining over intervals of up to 60 m. However, no significant molybdenum, copper or silver values were returned. The remaining hole tested the down-dip extent of a high-grade lead-silver vein. A narrow, massive galena vein was encountered 37 m down the hole. A 0.64 m core interval returned a weighted average grade of 22.08 % lead, 2 086.5 g/t silver and 1.13 g/t gold.

References

17363 YUKON INC., May/99. Assessment Report #094025 by S. Harris.

BRITISH COLUMBIA and YUKON CHAMBER OF MINES, 2000. The Tintina Gold Belt: Concepts, Exploration, and Discoveries. Cordilleran Roundup, January, 2000, T.L. Tucker and M.T. Smith (session chairs), Special Volume 2, 225 p.

CARTA RESOURCES LTD, Dec/99. Assessment Report #094185 by H.L. King.

CARTA RESOURCES LTD, Jan/2000. Assessment Report #094069 by H.L. King.

CARTA RESOURCES LTD, News Release. 24 Dec/99.

CONNAUGHT MINES LTD, Jan/69. Assessment Report #018931 by A.R. Archer.

CONNAUGHT MINES LTD, Oct/69. Assessment Report #060840 by A.R. Archer.

CONNAUGHT MINES LTD, Mar/70. Assessment Report #061130 by M.S. Cholach.

CROESUS RESOURCES INC, May/88. Assessment Report #092511 by H.J. Keyser.

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GRID CAPITAL CORPORATION, Jan/2004. Assessment Report #094443 by H.L. King.

GRID CAPITAL CORPORATION, News Release. 23 Oct/2000; 13 May/2002; 24 Apr/2003; 17 Jun/2003; 16 Sep/2003; 29 Oct/2003; 20 Nov/2003.

KELAN RESOURCES INC, Jan/88. Assessment Report #092116 by B.J. Price.

KELAN RESOURCES INC, Jun/88. Prospectus Report #062296 by B.J. Price.

KELAN RESOURCES INC and CROESUS RESOURCES INC, Nov/88. Assessment Report #092679 by B.J. Price.

KELAN RESOURCES INC and CROESUS RESOURCES INC, May/89. Assessment Report #092718 by B.J. Price.

KELAN RESOURCES INC and CROESUS RESOURCES INC, Jul/93. Assessment Report #093109 by B.J. Price.

MINERAL INDUSTRY REPORT 1969-70, p. 32-34.

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).

TOMBSTONE EXPLORATIONS COMPANY LTD, Apr/93. Assessment Report #093094 by G.F. Smith.

YUKON EXPLORATION 1989, p. 126; 1990, p. 11.

YUKON EXPLORATION AND GEOLOGY 2001, p. 24; 2003, p. 24, 25.

Work History

Date	Work Type	Comment
4/1/2022	Geochemistry	
12/31/2003	Drilling	Five holes, 813.8 m. Drill holes tested vein and coincident IP and geochemical anomalies. Drill Logs filed with Assessment Report #094443.
12/31/2003	Ground Geophysics	
12/31/2001	Geochemistry	Carried out on Mi and eastern half of Tom claims.
12/31/1999	Geology	
12/31/1999	Geochemistry	
12/31/1999	Other	
12/31/1998	Geochemistry	Also rock sampling.
12/31/1998	Other	
12/31/1992	Drilling	Thirty-six holes, 108.8 m.
12/31/1991	Geochemistry	
12/31/1991	Trenching	
12/31/1990	Geochemistry	Also soil sampling.
12/31/1990	Trenching	
12/31/1989	Drilling	Seven holes, 411 m.

12/31/1988	Drilling	Nine holes, 285.3 m.
12/31/1988	Geochemistry	
12/31/1988	Trenching	
12/31/1987	Geology	
12/31/1987	Geochemistry	Also rock and silt sampling.
12/31/1987	Ground Geophysics	
12/31/1987	Development, Surface	
12/31/1976	Development, Underground	Hand cobbled 4.6 tonnes.
12/31/1972	Trenching	
12/31/1969	Geochemistry	
12/31/1969	Trenching	
12/31/1911	Development, Underground	Development finished prior to 1911.
12/31/1911	Trenching	
10/1/2021	Geochemistry	
10/1/2021	Geochemistry	
10/1/2021	Ground Geophysics	
10/1/2021	Ground Geophysics	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096877	2015	Assessment Report Describing Soil Sampling, Prospecting and Geological Mapping	Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
095997	2011	Geological and Geochemical Report on the Fifty Mile Property	Rock - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Bedrock Mapping - Geology, Backhoe - Trenching, Backhoe - Trenching		
095101	2008	Assessment Report Describing Soil Sampling, Excavator Trenching and Excavator Tripping at the Connaught Project	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Mechanical - Trenching		
094443	2003	Report on Diamond Drilling-Ami Property	Diamond - Drilling, Drill Core - Geochemistry, IP - Ground Geophysics, Line Cutting - Other	5	813.80
094069	1999	Report on the 1999 Geological and Geochemical Fieldwork-AMI property	Soil - Geochemistry, Bedrock Mapping - Geology		
094185	1999	Report on the 1999-Linecutting-AMI Property	Line Cutting - Other		
094025	1998	Geological and Geochemical Report on the MOS and MAG Claims	Rock - Geochemistry, Soil - Geochemistry, Prospecting - Other		
092511	1987	Report on the 1987 Geological Fieldwork on the Goden Crab Property	All Weather Road - Development, Surface, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Mechanical - Trenching		
061130	1969	Report on the 1969 Exploration Program in the Sixtymile River Area, Yukon Territory	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Mechanical - Trenching	8	431.59
060840	1969	Summary Report for the Connaught Mines Ltd.-Sixty Mile Area, Yukon	Cursory Property Visit - Other, Data Compilation - Pre-existing Data		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC012812	Property examination - Connaught Mines: Boucher Creek property 115N/15		Property File Collection	Report
ARMC012811	Property examination map - Connaught property - Boucher Creek area		Property File Collection	Geoscience Map (General)
ARMC012813	Map sheet 115-N-15 showing claims of area - Boucher Creek		Property File Collection	Geoscience Map (General)
ARMC012816	Map sheet 115-N-15 showing claims of area with notations - 60 Mile River area		Property File Collection	Geoscience Map (General)
ARMC012819	Air photo overlays - 50 Mile Creek, Matson Creek, Ladue River areas - Air photos no. 12043-356, 12267-102, 12267-63, 12043-360, 12043-307, A 12945-145, 12267-61, 12267-103, A 12945-146.		Property File Collection	Geoscience Map (General)
ARMC01	Map of Cran Mountain area showing geochemical locations - Aeromagnetic series map 4768G		Property File Collection	Geoscience Map

2818	Map of Crag Mountain area showing geochemical locations - Aeromagnetic series map 4200G		Property File Collection	(General)
ARMC012817	Map of Crag Mountain area with geochemical results plotted - Field copy - Aeromagnetic series map 4268G		Property File Collection	Geophysical Map
ARMC012815	Correspondence, maps, notes, inter-office letter, analysis of funds, and assay results - Sixty Mile area - Chefkoi, Ela, Jo, Kit and Tom mineral claims		Property File Collection	Miscellaneous Company Documents
03-002	A Geophysical Report on an Induced Polarization Survey; Report on Diamond Drilling Ami Property		Yukon Government: Energy, Mines and Resources	YMEP Report