



Occurrence Details

Occurrence Number: 115F 034

Occurrence Name: Garlic

Occurrence Type: Hard-rock

Status: Prospect

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General Information

Secondary Commodities: copper, gold, molybdenum, palladium, platinum

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

Location(s): 61°39'41" N - -140°2'42" W

NTS Mapsheet(s): 115F09

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Larry cl 1-80 (63966) in Sep/52 by Hudson Bay Mining and Smelting, which carried out geological mapping and geophysical surveying. Yukon Exploration and Development Corporation Ltd tied on two groups of claims during 1952.

Restaked as Garlic cl 1-8 and 17-32 (Y52905) in Jun/70 by Quintana Minerals Corporation Ltd, which carried out geological mapping, soil sampling and limited magnetic surveying.

Restaked as Narnia cl 1-16 (YA61605) in Jul/81 by Nat Joint Venture (Armco Mineral Exploration Ltd and Chevron Canada Ltd), which carried out geochemical sampling that year and grid geochemical soil sampling and geological mapping in 1982.

Kluane Joint Venture (All-North Resources Ltd and Chevron Minerals Ltd) tied on Sam cl 1-16 (YA97880) to the south in Jun/87, but no work was ever filed.

In 1994, T. Svisdahl carried out prospecting and geochemical rock sampling to the northwest within the catchment basin of Edith Creek, which drains the area of the occurrence.

G. Kerwin staked Lisa cl 1-2 (YB57533) 1.4 km to the north and Lisa cl 3-6 (YB57557) 3.3 km to the northwest in May/95. Bolder Ventures (Kerwin) restaked Lisa cl 3-6 as Bolder cl 1-12 (YC08187) in Sep/97, added Bolder cl 13-16 (YC08947) in Jul/98 and carried out geochemical rock and stream sediment sampling and test pitting in Aug/98.

Capsule Geology

Minor amounts of magnetite, pyrrhotite and chalcopyrite are associated with a series of small gabbro plugs and dykes, which occur near a large, unmineralized Late Early Cretaceous diorite stock and a small quartz monzonite plug (900 m long). These intrusive rocks cut andesite and dacite breccia, flows and minor epiclastic volcanic rocks of the Upper Triassic Station Creek Formation and have produced a zone of widespread silicification with overprinted carbonate alteration that has weathered to a prominent gossan. Minor amounts of chalcopyrite and molybdenite occur on widely spaced fractures in quartz monzonite.

The 1982 work explored for gold in the altered zone. Soil sampling of the zone returned anomalous values up to 1 053 ppb Au and averaging 167 ppb Au over a 0.3 square km area. This response was 3 to 4 times higher than samples collected from areas containing unaltered volcanic rock. The highest rock value reported was 438 ppb Au over 10 m from chip sampling across a weakly malachite stained quartz-carbonate vein.

Svisdahl's work in 1994 located several pyritic quartz veins approximately 3.5 km northwest of the occurrence within a dark green host rock, possibly Pennsylvanian to (?) Lower Permian basalt which is mapped to the northeast of the occurrence, that returned values ranging from 429 ppb to > 6 667 ppb Au.

Most of Kerwin's 1998 work was carried out to the east of where Svisdahl's samples were collected and stream sediment samples returned only a few anomalous results for Au (69 and 72 ppb) from the main channel of Edith Creek. One other sediment sample collected near the head of the creek draining along the northeast side of the Bolder claims returned 176 ppm Cu, 35 ppm As, 17 ppb Pt, 14 ppb Pd and 3 ppb Au.

References

GORDEY, S.P. and MAKEPEACE, A.J., 2003. Yukon Digital Geology, version 2.0, S.P. Gordey and A.J. Makepeace (comp); Geological Survey of Canada, Open File 1749 and Yukon Geological Survey, Open File 2003-9(D).

KERWIN, G., Nov/98. Assessment Report #094122 by G. Kerwin.

NAT JOINT VENTURE, Mar/83. Assessment Report #091433 by W.D. Eaton.

SVISDAHL, T., 1994. YEIP Report NO. 94-68 by T. Svisdahl.

YUKON EXPLORATION 1987, p. 252.

YUKON EXPLORATION AND GEOLOGY 1981, p. 210; 1982, p. 194.

Work History

Date	Work Type	Comment
12/31/1998	Geochemistry	Also silt sampling.
12/31/1998	Trenching	
12/31/1994	Geochemistry	
12/31/1982	Geology	
12/31/1982	Geochemistry	Grid based.

12/31/1981	Geochemistry	
12/31/1970	Geology	
12/31/1970	Geochemistry	
12/31/1970	Ground Geophysics	Limited work.
12/31/1952	Geology	
12/31/1952	Ground Geophysics	
12/13/1994	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
091433	1982	Geological and Geochemical Report, Narnia 1-16 Claims	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
092054	1953	Report on the Geophysical Surveys in the Shakwak Valley Area, Yukon Territory for Canalask Nickel Mines Limited.	Magnetic - Airborne Geophysics		