



Occurrence Details

Occurrence Number: 105L 031

Occurrence Name: Carlson

Occurrence Type: Hard-rock

Status: Prospect

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General Information

Secondary Commodities: lead, silver, zinc

Aliases: Goldorak, Dromedary

Deposit Type(s): Skarn Pb-Zn

Location(s): 62°53'35" N - -134°49'18" W

NTS Mapsheet(s): 105L15

Location Comments: Location from map in AR096377

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Lone cl 1-28 (Y12683) in Apr/67 by Conwest Explorations Ltd, following airborne magnetometer and EM surveying. Conwest carried out prospecting and geochemical sampling later in the year.

Restaked as part of a large block of Ace claims in Oct/80 following regional silt sampling carried out by Anaconda Canada Exploration Ltd, which staked a total of 724 Ace claims, between September and Dec/80, covering 27.5 km along strike from this occurrence southeast to Earn Lake. Airborne magnetometer and EM surveying was carried out over an area approximately three times the size of the Ace claim group between February and Mar/81 and prompted Anaconda to stake Clare cl 1-64 (YA59696) and Bush cl 1-32 (YA59895) contiguous to the west and north of the Ace claim group, respectively in Apr/81. Anaconda established a line grid over the west central (including this occurrence) and southeastern portions of the Ace claim group and carried out geochemical soil sampling, Max-Min EM surveying and detailed geological mapping of the gridded areas and regional scale geological mapping elsewhere in the claim block and drilled 10 holes (1 900 m) during the summer of 1981. During May to Oct/82, Anaconda carried out property wide grid geochemical soil sampling, geological mapping, geophysical surveying and staked Ace cl 719B-754 (YA74825), Clare cl 65B-76 (YA74841) and Bush cl 33-48 (YA74809) in Jul/82 contiguous with the existing claim block. In 1983 Anaconda carried out additional geological mapping, soil geochemical and geophysical surveying within the claim group.

In 1985 Anaconda's interest was transferred to Fleck Minerals Inc, which optioned the property to Dromedary Exploration Company Ltd in Jun/88. Dromedary carried out geochemical and geophysical surveying and hand trenching on the remaining 311 Ace claims later that year and staked Nora cl 1-12 (YB26763) and Nora cl 13-34 (YB26775) contiguously to the north and south, respectively, in Sep/89. Dromedary carried out further mapping, soil sampling, magnetometer surveying, trenching and drilled two holes (434 m) on this occurrence in 1990. A third hole was abandoned at a depth of 15 m.

G. Carlson, a principal in Dromedary, took over the option from Fleck and in turn optioned the Ace and Nora claims to Energold Minerals Inc in 1993. Energold carried out auger sampling, magnetometer surveying and geological mapping between the existing grid lines and over this showing in Aug/93. In Sep/93, the Nora claims were transferred to Fleck Minerals Inc.

In 1995 G. Carlson acquired 100% interest in the Ace and Nora claims from Fleck Minerals. In Jun/96 Carlson optioned the property to Blackstone Resources Inc which drilled 4 holes (734.8 m) to test various coincident geophysical targets on Ace cl 279 and 280. In Oct/96 Blackstone staked Queen cl 1-46 (YB96665) contiguously to the northwest.

In Jun/97 Blackstone optioned the property to Geologix Exploration Inc which carried out magnetic and gravity geophysical surveying, hand trenching, prospecting, geological mapping and rock and soil geochemical sampling of this and the adjoining Queen claims (Minfile Occurrence #105L 057).

Blackstone staked Nora cl 37-40 (YC07961) adjoining the claim group to the north in Jul/97 and in 1998 the company drilled 3 holes (534.6 m) to further test the continuity of mineralization intersected during drilling in 1996.

Blackstone Resources changed its name to Blackstone Ventures Inc in Apr/2001.

Capsule Geology

The occurrence was originally explored for skarn mineralization. Minor galena-sphalerite mineralization was found in erratic skarn-like zones in Upper Paleozoic sedimentary rocks near a small rhyolite porphyry plug of Tertiary age on the Lone claims. Anaconda named this area the Francois grid and traced thrust panels on Dromedary Mountain through this largely overburden-covered area using geophysics.

G. Carlson acquired the claims for their potential to host syngenetic mineralization, specifically sedimentary exhalative. Earlier geological mapping by Anaconda and others outlined a 18 km long favorable succession of Devonian to Mississippian Earn Group stratigraphy which crossed through the occurrence area. Dromedary's 1990 drill holes both intersected siliceous argillite containing laminated to massive pyrite and pyrrhotite with traces of galena and sphalerite. DDH90-1 intersected 4.8 m of massive sulphides consisting of 80% pyrrhotite, 5-10% pyrite and 10-15% silica with galena in fractures. A 0.68 m interval within the 4.8 m

intersection returned 1.32% Pb, 0.39% Zn and 0.15% As.

Blackstone's drill holes tested coincident gravity, eletromagnetic (EM) and magnetic geophysical anomalies previously outlined on the Francois grid. All four holes, FRN96 1- 4, intersected sulfide mineralization, with holes 2 and 4 intersecting significant sulphide intersections. Similar to the Dromedary Creek area (Minfile Occurrence #105L 051), the sulphide zones were intersected at the upper and lower contacts of a siliceous sedimentary section. The upper zone consists of stringer and massive pyrite, pyrrhotite, sphalerite and galena, and returned 5.48% Zn, 6.13% Pb, 136.7 g/t Ag over 0.8 m in FRN96-02 and 8.42% Zn, 2.43% Pb, 29.8 g/t Ag over 2.0 m in FRN96-4. The lower mineralized zone is comprised of massive and laminated pyrrhotite-pyrite with minor sphalerite and galena. The lower zone intersection was 9.8 m long in hole 2 and 4.6 m in hole 4. Other results from the lower zone include unusually high gold and PGE's; up to 3.5 g/t Au over 1.8 m and 40 ppm platinum + palladium.

Work completed in 1997 by Geologix provided important refinements of the interpretation of the coincident gravity, EM and magnetic anomalies, some of which were the target of the 1996 drilling by Blackstone.

Drilling in 1998 intersected the upper and lower mineralized zones, extending the zones 200 m along strike and 60m (upper zone) and 90 m (lower zone) down-dip. Assay results from this drilling indicate continuity of the base and precious metal mineralization previously intersected and an increase in the thickness of alteration and sulfide mineralization to the west in both zones.

References

ANACONDA CANADA EXPLORATION LTD, Nov/81. Assessment Report #090888 by G.G. Carlson.

ANACONDA CANADA EXPLORATION LTD, Jun/83. Assessment Report #091468 by R.D. Hall.

BLACKSTONE RESOURCES LTD, Mar/97. Assessment Report #093595 by D.A. Caulfield and J. Weber

BLACKSTONE RESOURCES LTD, Feb/97. Assessment Report #093618 by D.A. Caulfield and J. Weber.

BLACKSTONE RESOURCES LTD, Jan/98. Assessment Report *#093764 by M.I. Jones.

BLACKSTONE RESOURCES LTD, Feb/98. Assessment Report #093755 by M.I. Jones.

BLACKSTONE RESOURCES LTD, Feb/99. Assessment Report #093945 by M.I. Jones.

BLACKSTONE RESOURCES LTD, 21 Jun/96, 29 Aug/96, 21 Sep/96, 4 Nov/96, 8 Nov/96, 12 Nov/96, 10 Jun/97, 14 Aug/97, 6 Oct/97. News Release.

BUTTERWORTH, B.P. and JONES, M., Geology and mineralization on the Dromedary property, central Yukon. In: Yukon Exploration and Geology 1997, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, p. 121-124.

DROMEDARY EXPLORATION COMPANY LTD, Oct/90. Assessment Report #092882 by R. Hulstein.

ENERGOLD MINERALS INC., Dec/93. Assessment Report #093148 by H. Sellmer and R. Zuran.

GEORGE CROSS NEWSLETTER 7 Nov/96, 1 Aug/97,

YUKON EXPLORATION AND GEOLOGY 1981, p. 160-163; 1982, p. 149; 1983, p. 196-197; 1996, p. 21-22, 32; 1997, p. 22, 35; 1998, p. 21, 27, 30.

Work History					
Date	Work Type	Comment			
12/31/1998	Drilling	Three holes, 534.6 m.			
12/31/1997	Ground Geophysics	Also magnetic survey.			
12/31/1997	Geology				
12/31/1997	Trenching				
12/31/1997	Other				
12/31/1996	Drilling	Five holes, 939 m.			
12/31/1993	Geology				
12/31/1993	Geochemistry	Used auger to collect samples.			
12/31/1993	Ground Geophysics				
12/31/1990	Drilling	Two holes, 434.6 m.			
12/31/1990	Geology				
12/31/1990	Geochemistry				
12/31/1990	Ground Geophysics				
12/31/1988	Geochemistry				
12/31/1988	Ground Geophysics	Also VLF-EM surveys.			
12/31/1988	Trenching				
12/31/1983	Geology				
12/31/1983	Geochemistry				
12/31/1982	Geology				
12/31/1982	Ground Geophysics	Also magnetic survey.			
12/31/1981	Drilling	Ten holes, 1,900 m.			
12/31/1981	Geochemistry	Also soil.			
12/31/1981	Airborne Geophysics	Also magnetic survey.			
12/31/1967	Geochemistry				
12/31/1967	Airborne Geophysics	Also magnetic survey.			
12/31/1967	Other				
12/13/1997	Geochemistry	Also rock sampling.			
12/13/1983	Ground Geophysics	Also EM and gravity surveys.			
12/13/1982	Geochemistry				
12/13/1981	Geology				
12/13/1981	Ground Geophysics	Maxmin survey.			

Assessment Reports that overlap occurrence					
Report	Year	Title	Workings	Holes	Meters

Number	Year	Title	Work Types	Drilled	Drilled
096377	2012	Exploration, Geology, and Geochemistry of the La Liga Project	Rock - Geochemistry, Soil - Geochemistry, Prospecting - Other		
093945	1998	1998 Diamond Drilling Program on the Dromedary Porperty Ace, Nora. Queen, and King Claims	Diamond - Drilling, Drill Core - Geochemistry, Petrographic - Lab Work/Physical Studies	3	534.60
093755	1997	1997 Exploration Program on the Dromedary Property, Ace, Nora, Queen, King and Dmc Claims	Rock - Geochemistry, Soil - Geochemistry, Regional Bedrock Mapping - Geology, Gravity Survey - Ground Geophysics, Magnetics - Ground Geophysics, Line Cutting - Other, Prospecting - Other, Hand - Trenching		
093764	1997	1997 Exploration Program on the Dromedary Property, Ace, Nora, Queen, King and Dmc Claims	Rock - Geochemistry, Soil - Geochemistry, Regional Bedrock Mapping - Geology, Gravity Survey - Ground Geophysics, Magnetics - Ground Geophysics, Line Cutting - Other, Prospecting - Other, Hand - Trenching		
093595	1996	1996 Exploration Program on the Dromedary Property	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Regional Bedrock Mapping - Geology, Prospecting - Other	5	939
093618	1996	1996 Exploration Program on the Dromedary Property	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Regional Bedrock Mapping - Geology, Prospecting - Other	4	939
093157	1993	1993 Physical Assessment on the Dromedary Mountain Option	Soil - Geochemistry, Bedrock Mapping - Geology, Magnetics - Ground Geophysics		
093148	1993	1993 Physical Assessment on the Dromedary Mountain Option	Soil - Geochemistry, Regional Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Data Compilation - Pre-existing Data		
091468	1982	Geological, Geochemical, and Geophysical Report Ace, Bush, and Clare Claims	Soil - Geochemistry, Regional Bedrock Mapping - Geology, EM - Ground Geophysics, Gravity Survey - Ground Geophysics, Magnetics - Ground Geophysics, Line Cutting - Other		
090888	1981	Assessment Work Report Geological, Geophysical and Geochemical Investigation of the Ace 1 to 724 and Earn 1 to 4 Claim Group	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Line Cutting - Other, Prospecting - Other, Mechanical - Trenching		