



Occurrence Details

Occurrence Number: 105L 051

Occurrence Name: Dromedary

Occurrence Type: Hard-rock

Status: Prospect

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General Information

Secondary Commodities: arsenic, barite, copper, lead, silver, tungsten, zinc

Deposit Type(s): Skarn W

Location(s): 62°53'53" N - -134°41'10" W

NTS Mapsheet(s): 105L15

Location Comments: 1 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Originally staked as Ace cl 1-192 (YA52055), covering Dromedary Mountain, in Sep/80 by Anaconda Canada Exploration Ltd following regional silt sampling and airborne magnetometer and EM surveying. In Oct/80 Anaconda staked Ace cl 193-504 (YA52251) to surround the original claim block, extending it to the northwest and southeast and added Earn cl 1-2 (YA59031) at the same time, 18.5 km to the southeast at Earn Lake, probably to cover their camp location. Anaconda staked Ace cl 505-724 (YA59089) in Dec/80 to form a contiguous block of claims covering 27.5 km of strike length from Earn Lake to the west of Dromedary Mountain. The company added Earn cl 3-4 (YA59309) by the camp location at the same time in Dec/80.

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 prompting Anaconda to stake Clare cl 1-64 (YA59696) and Bush cl 1-32 (YA59895) contiguously 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 the 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. Grid development followed by Max-Min EM and magnetometer surveying of the Bush claims was carried out in the spring of 1982. 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 sampling and geophysical surveying within the claim group.

Anaconda's interest was transferred in 1985 to Fleck Minerals Inc, which optioned the property to Dromedary Exploration Company Ltd in Jun/88. Dromedary staked Nora cl 1-12 (YB26763) and Nora cl 13-34 (YB26775) contiguously to the north and south, respectively, in Sep/89 and drilled 2 holes (434 m) 7 km to the west on the Francois grid (Minfile Occurrence #105L 031) in 1990.

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 the Francois grid. Blackstone staked King cl 1-16 (YB96649) 4 km to the southeast in Oct/96.

In Jun/97 Blackstone optioned the property to Geologix Exploration Inc which carried out prospecting, geological mapping and rock and soil geochemical sampling on the King claims. In Jul/97 Blackstone staked King cl 17-20 (YC07965) to cover fractions left during staking in 1996.

Capsule Geology

The claims are underlain by a southwest-dipping sequence of Proterozoic to Paleozoic-Triassic (?) strata cut by northwest-trending normal faults and intruded by Cretaceous andesitic sub-volcanic plugs and granodiorite-quartz monzonite intrusives. Stratabound lenses of massive pyrrhotite with sphalerite, chalcopyrite, pyrite and galena occur in cherty pyritic argillite of the Devonian to Mississippian Earn Group and their metamorphosed equivalent. The sulphide lenses are inferred to be submarine exhalites, probably related to Devonian rifting. Four areas of mineralization have been previously identified, and are labeled, from east to west Dromedary Creek, Dromedary Mountain, Francois Grid (Minfile Occurrence #105L 031) and Kal-Cave (Minfile Occurrence #105L 054). All are situated on strike along 18 km of favorable stratigraphy.

Dromedary Creek hosts syngenetic sulphide mineralization consisting of laminated to massive pyrrhotite, pyrite, sphalerite, galena and minor arsenopyrite. Airborne geophysics and geological mapping carried out by Anaconda outlined numerous mineralized lenses, the largest which is a barren pyrrhotite lens about 800 m long and 50 m thick on the east slope of Dromedary Mountain. Drilling carried out in the Dromedary Creek area in 1981 outlined two distinct zones of syngenetic sulphide mineralization both of which returned low base metal values.

In 1996 Blackstone targeted a coincident gravity and magnetic anomaly located between 1981 drill holes 8 and 9. The hole (DCK96-01) intersected two zones of sulphide mineralization. The upper zone (104.3 to 115.3 m) consists of chert-sulphide-graphitic argillite and contains pyrite, pyrrhotite, trace sphalerite and chalcopyrite as laminations and folded sulphide layers. The lower zone (137.5 to 138.8 m) comprises a silicified argillite-sulphide unit containing approximately 40% combined pyrrhotite>pyrite mineralization. Only the lower zone contained anomalous Pb, Zn and Ag values. Examination of the core indicates that the sulphide mineralization in DCK96-01 occurs at a different stratigraphic level than that encountered in the 1981 drill holes. Best results came from the lower zone; 2340 ppm Zn over 1.3 m, 137.5 m down the hole.

Dromedary Mountain hosts bedded barite and skarn mineralization. Bedded barite was noted within the upper chert unit (Unit 13 Caufield and Webber, 1997) of the Earn Group. The Ace barite showing located on the northeast slope of Dromedary Mountain hosts one massive bed over 10 m thick within a 50 m thick unit. The barite outcrops over a strike length of 400 m, is finely crystalline, relatively pure (about 33 wt% Ba) but barren of sulphides.

Anaconda focused the bulk of their 1981 drilling towards testing various zones of skarn mineralization located in the Dromedary Mountain area. The skarn mineralization consists of pod-like masses of quartz and one of the following minerals: tremolite/actinolite, chlorite, magnetite, calcite, garnet, pyrrhotite, pyrite, sphalerite, galena and minor chalcopyrite. The skarn bodies are small, ranging up to one metre in thickness and several tens of metres in strike length. Contacts with unmineralized rock can be either sharp or gradational. Scheelite is present in the creeks draining to the south side of Dromedary Mountain but was not found in place. Information regarding individual drill holes is sketchy but the best drill intersection is reported to have returned 2% Zn, 0.5% Pb, 31.2 g/t Ag and 0.2% Cu over 1.05 m. Anaconda's best chip sample (location unknown) returned 7.2% Zn, 3.5% Pb, 58 g/t Ag and 0.5% Cu over 1.05 m. The economic potential of the skarn bodies is thought to be low due to their lack of continuity and low grade.

All of the 1997 work was carried out around Minfile Occurrences #105L 031 and #105L 054. The geophysical surveys provided important refinements of the interpretation of the coincident gravity, EM and magnetic anomalies, which were targeted by the 1996 drilling.

References

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

ANACONDA CANADA EXPLORATION LTD, May/82. Assessment Report #091039 by A.R. Scott.

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, News Release, 21 Jun/96, 21 Sep/96, 10 Jun/97, 14 Aug/97

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 CO. LTD, Nov/89. Prospectus Report by C.M. Rebagliati.

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

ENERGOLD MINERALS INC, Oct/93. Assessment Report #093157 by H. Sellmer.

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

WHITEHORSE STAR, 14 Aug/90.

YUKON EXPLORATION 1990, p. 9, 11.

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

Work History

Date	Work Type	Comment
12/31/1997	Ground Geophysics	Also magnetic survey.
12/31/1997	Geology	
12/31/1997	Other	
12/31/1997	Trenching	
12/31/1996	Drilling	Five holes, 939 m. Only 1 hole drilled on this occurrence.
12/31/1990	Drilling	Two holes, 434 m.
12/31/1982	Geology	
12/31/1982	Geochemistry	
12/31/1982	Ground Geophysics	Max-Min survey. Also magnetic survey.
12/31/1981	Drilling	Ten holes, 1,900 m.
12/31/1981	Geology	
12/31/1981	Geochemistry	
12/31/1981	Ground Geophysics	Max-Min survey.
12/31/1980	Geochemistry	
12/31/1980	Airborne Geophysics	Also magnetic survey.
12/13/1997	Geochemistry	Also soil sampling.
12/13/1993	Geology	
12/13/1993	Geochemistry	Used auger to collect samples.
12/13/1993	Ground Geophysics	
12/13/1993	Geology	
12/13/1983	Geochemistry	
12/13/1983	Ground Geophysics	Also HLEM and gravity surveys.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096377	2012	Exploration, Geology, and Geochemistry of the La Liga Project	Rock - Geochemistry, Soil - Geochemistry, Prospecting - Other		
001468	1982	Geological, Geochemical, and Geophysical Report Ace, Bush, and	Soil - Geochemistry, Regional Bedrock Mapping - Geology, EM - Ground Geophysics Gravity Survey - Ground Geophysics Magnetic		

090888	1981	Clare Claims	Ground Geophysics, Gravity Survey - Ground Geophysics, Magnetic - 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		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC003339	News clipping - Drilling intersects - Dromedary property		Property File Collection	News Release
ARMC003343	Drill hole location and geophysical compilation map - Dromedary property		Property File Collection	Geophysical Map
ARMC005809	Property update report - Dromedary Mountain		Property File Collection	Report
ARMC005810	Summary report - Dromedary Mountain exploration project		Property File Collection	Report
ARMC005811	Report - Dromedary project		Property File Collection	Report
ARMC005812	Project proposal - Dromedary property - Ace claims		Property File Collection	Report