British Columbia Carbonate-Hosted Base Metal & Gold Target

Replacement- Skarn | Direct Road Access | Ready to Drill Test



Location & Infrastructure:

Direct Road Access From Highway 99N



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Regional Geology:

Bedrock Geology from work published in 1982 (Monger J.W.H. GSC Open File 980)

Plan Map



Regional Aeromagnetics:

Overlay of Magnetic Contour Map On Regional Geology

Plan Map



Regional Aeromagnetics:

Plan Map **Tertiary Volcanics** LJgd Ultramafics Α' Top of intrusion projected to surface Α **Mt. Martley Stock** Earth Resource Surveys Inc. 5 KM UTM Datum: Nad 83 Zone 10

Interpretation of +400 gamma Anomaly in Carbonates

GEOPHYSICAL INTERPRETATION

The thumbprint airborne magnetic anomaly is interpreted as reflecting an intrusive body which contains 2%-3% magnetite. Depth estimates to the top of the body range from 800 to 1300 metres below the ground surface and are likely close to 1000 metres (960m). The top of the intrusion is likely shaped into a steep sided prism, approximately 700 metres wide and 1500-2500 metres long. This body likely widens with depth and /or plunges to the southwest. The northeastern flank of the intrusion is considerably steeper than the south-west flank and may be controlled by a fault or contact. (Trent Pezzot P.Geo., S.J.V. Consultants, 1997)

fault, mapped by GSC.

ERSi



Mineral Potential:

Skarn, replacement and vein mineralization



Results to date strongly support mineral deposition related to hydrothermal processes

No Vertical Exaggeration

Key Results Supporting Excellent Potential For Bases Metal and Gold :

LITHOGEOCHEMISTRY Significant base metal and gold values scattered across the property;

A positive but erratic correlation exists with presence of silicification/hematite/limonite and metals;

Jasperoid & Silicified Carbonate Geochemistry					
Zn ppm	Cu ppm	As ppm	Sb ppm	Mo ppm	Hg ppb Au ppb
308.8	113.23	203.0	32.79	38.56	6850 39.8

ENZYME LEACH Strong evidence of shallow base metal mineralization within 400 metres of surface being the cause of the

oxidation cells;



The most clear cut anomaly is on Line 40N....a rabbit ears anomaly that is apparently produced by the gradual oxidation of a reduced body at depth. *J. Robert Clark PhD* 1996

REMOTE SENSING Identified NW-trending anticline, fault and fracture patterns and structural features interpreted to represent vertically driven tectonics related to an intrusion; Drilling was strongly recommended to test the magnetic anomaly near the center of the circular geomorphic feature where it is intersected by a northeast fault and northwest fracture zone; *K. V. Campbell PhD., P.Geo, Earth Resource Surveys 2000;*

MAPPING (5000 SCALE) Defined general limits of marble; low angle faults (structurally important), decalcification, silicification hematization, - jasperoid occurrences across the grid area; *U. Schmidt P.Geo., Northwest Geological 2002*;

INDUCED POLARIZATION Significant chargeability anomalies having estimated depth to source ranges from 25 to 100 m *L.Lebel P.Eng., Orequest Consultants 1998;*

The highest gold result (39.8 ppb) found to date was from a coliform-textured red jasper-chalcedony vein with minor pyrite in the core of the vein hosted by black marble.







Overlay of Jasperoid & Silicified Carbonate Geochemistry on Ground Magnetic Survey Results and Property Geology



Base Map of contoured ground magnetics, geology and grid.

Blind Target



Exposure is limited to ridges and cliffs of resistive carbonate.







From the 2002 mapping, Uwe Schmidt reported that the numerous large boulders of silicified carbonated scattered over the central portion of the property were likely exotic.



Results from the 2005 work leans towards a more local source. The host carbonate and style of alteration within the boulders tends to be similar to that in nearby outcrop. While these boulders have obviously been transported they are very likely much closer to source.

Structural Setting:

Key To providing fluid escape structures and traps for mineralization



Structural Setting:



Folding evident in carbonate cliffs along Highway 99N west of the lime plant. The target size is similar to the giant Antamina Cu-Au deposit in Peru.

RANDOL INTERNATIONAL'S MINING OPPORTUNITY BULLETIN Fall 1997 **VOLUME 4, NUMBER 3 •INSIDE Cobre means copper** page 2 Nevada gold production grows page 3 Cornucopia to acquire New Millenium Mining page 3 Gold analysis - are there alternative methods? page 4

How Nevada's gold rush started page 5

Placer Dome's results improve

Antamina

The Antamina copper-zinc-silvermolybdenum project represents what the mining industry is all about: creation of wealth, jobs, and great companies in the spirit of international Antamina, now at 500 million tonnes at a grade of 1.2% copper, 1.0% zinc, 11 g Ag/t and 0.03% molybdenum is the kind of project that the mining industry is all about. Antamina combines a huge undeveloped resource in a developing economy with capital and expertise from a rich country to add value and create wealth for all involved.



Scale Comparison with Antamina:

Estimated size of the buried intrusion is on par to the quartz monzonite dyke at Antamina.



Α'

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Α'

Drill Targets:

Testing Coincident Geophysical, Geochemical Anomalies and Structures



Work History:

Total Expenditures +\$200,000 Assessment Work Filed \$156,000

2014: Radiometric Test Surveying

2008: Preliminary Plant and Water Study (Golder Associates)

2007: Drill permit acquired and First Nation Consultation

2005: Field Confirmation of Lithogeochemistry

2004: Lithogeochemistry of Jasperoid and Silicified Carbonates

2002: Detailed Mapping (U. Schmidt P.Geo., Northwest Geological Ltd.)

2001: Grid Construction, 70 line km Ground Magnetic & EM Surveying; (L. Lebel P.Eng. 2001)

2000: Geological Remote Sensing (K. V. Campbell PhD., P.Geo. ERSI Earth Resource Surveys Inc.)

1998: Induced Polarization 6.5 line km Pole-Dipole & 6 line km Gradient Survey (L. Lebel P.Eng., Orequest Consultants)

1997: Magnetic Modeling (Trent Pezzot P.Geo, SJV Geophysics Ltd.)

1996: Soil Geochemistry: Enzyme Leach analyses

1995: Soil Geochemistry: ICP, Au by AA and Enzyme Leach analyses

1994: Preliminary ground truthing of airborne magnetic anomaly (ground mag & VLF survey)

1993: Staking followed by preliminary prospecting, sampling, grid construction

1992: Regional Compilation and Target Identification

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