Sals.

### TECHNICAL REPORT FOR THE SPEAR CLAIMS YMIP # 09-170

# TARGET EVALUATION PROGRAM MINTO AREA YUKON

**Whitehorse Mining District** 

Report for Period of Work: May 15<sup>th</sup> - September 18<sup>th</sup> 2009

Location:

1. 9 km NNW of Minto Mine, Yukon

2. NTS Map Area 115 I-113. Easting: 378 400Northing: 6 951 100

By:

**BCGOLD CORP** 

Suite 1400, 625 Howe Street

Vancouver, BC

V6C 2T6 Gary Sidhu

March 16<sup>th</sup>, 2010





### **FINAL SUBMISSION FORM**

### Submit completed form by March 31st to:

Yukon Mining Incentives Program YMIP# 09-170 Energy, Mines and Resources Government of the Yukon 102 - 300 Main Street Box 2703 (K102), Whitehorse, Yukon, Y1A 2C6 E-mail: ymip@gov.yk.ca

DRO IECT NAME:	SPEAR	

NAME AND ADDRESS	Please indicate any changes or omissions
	<del></del>
   E-mail:	Correct e-mail if it has changed:

### SUMMARY OR TECHNICAL REPORT CHECKLIST

- Please check ✓ appropriate section.
- MUST be completed and submitted with your final report.
- Ensure all required information is attached to prevent delays in processing your claim

INFORMATION	INCLUDED	NOT APPLICABLI
1. Description/implementation of work	x	
<ul><li>2. Location map(s) of completed work</li><li>3. Colored maps at adequate scale showing</li></ul>	x	
- Geology	x	
- Geophysics		x
- Geochemistry	x	
4. Results		
- Drill core assays		x
- Geochemistry data	x	
- Geophysical data		x
5. Drill collar location map(s)		x
6. Drill hole sections		x
7. Typewritten drill logs		x
8. Longitudinal Section(s)		x
9. Recommendations	x	
10. Future Plans	x	
11. Detailed list of project expenditures	x	
12. Copies of receipts	x	
13. Final submission form signed and dated	x	
14. Hardcopy of report with maps and data	x	
15. Electronic version of report, etc in <b>PDF</b> format	x	

### Access to Information and Protection of Privacy Act

The information requested on this form is collected under the authority of and used for the purpose of administering the Yukon Mining Incentives Program. Questions about the collection and use of this information can be directed to the Mineral Development Geologist, Department of Energy, Mines and Resources, Yukon Government, Box 2703 (K102), Whitehorse, Yukon Territory, Y1A 2C6 (867) 456-3828.

`The Department of Energy, Mines and Resources may verify a previously submitted reports, interim claims and in the Summa I certify that;				
I am the person, or the representative of the company for Funding and in the Contribution Agreement under to the company for Funding and in the Contribution Agreement under the company for Funding and Inc.				
2. I am a person who is nineteen years of age or older, a of the said program.	nd I have co	mplied with	all the requ	irements
4. I hereby apply for the final payment of a contribution u (YMIP) and declare the information contained within the Summary Report to be true and accurate.	nder the Yul e Summary	on Mining l	Incentives P al Report an	rogram d the Financial
<u> </u>		=		
Signature of Applicant	Date _M	arch 17, 20	09	
Name (print) Brian Fowler				
Your opinions are requested to help evaluate the formal objective administration and delivery and to determine if any changes or in				n with regard to its
1. Have you previously applied for financial assistance through a. If YES, proceed to 'Question 2'.	YMIP?	X YES	NO	
□ Mora □ Thou □ Not	re to maintain all objection aght it was a aware of YM nuch work to	to YMIP hardrock pi IIP	·	
Othe		appiy		
2. How important was YMIP funding to your decision to undert	ake the prop Strongly Agree	osed projec Somewhat Agree	t? Somewhat Disagree	Strongly Disagree
a. Without YMIP the project would not have gone ahead.	X	ם ت		•
b. The project would have gone ahead, but on a reduced scale c. The project would have gone ahead with or without YMIP.		0		X X
Comments:				
2 D. J. V. MID L. J. A. J		VEC V		<del> </del>
3. Did YMIP help to lever additional funding and/or secure and If YES, please provide details:	_		NO	
4. Regarding the YMIP application/approval process, please inc following statements:	licate your a	greement or	disagreeme	nt with the
•	Strongly Agree	Somewhat Agree	Somewhat Disagree	Strongly Disagree
a. Written program information and forms were clear.	X 🗆			
b. Questions and inquiries were answered promptly.	x 🗆			0
c. Applications were fairly and consistently handled	x 🗆			
d. Project evaluations were done in a timely manner	D.	X□		
e. Interim claims and payments were processed on time		Χ□	0	0
5. If you have any suggestions for improvements or changes to comments, please include them below.	YMIP or an	y other addi	tional	
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### 1.0 SUMMARY

The SPEAR property is comprised of 12 contiguous claims, located approximately 9 km northwest of the Minto Mine in the Whitehorse Mining District of central Yukon. The claims were originally staked by Shawn Ryan of Dawson City, Yukon and are currently optioned to BCGOLD Corporation ("BCG"). The history of exploration in the area stretches back to the turn of the century when copper mineralization was first discovered at Williams Creek some 40 km south of the Minto copper-gold deposit. Foliated and non-foliated granitic rocks of the Early Jurassic Aishihik Suite underlie most of the property although rock exposures are poor comprising less than 5% of the area. Work completed in 2009 consisted of mapping, prospecting and soil sampling follow-up of geophysical and MMI anomalies.

#### 2.0 INTRODUCTION AND TERMS OF REFERENCE

The SPEAR Claim group is owned 100 % by Shawn Ryan of Dawson City Yukon subject to an option agreement with BCG whereby BCG can earn a 100% interest in the SPEAR Claims as part of a larger 845 claims located in the Carmacks copper-gold belt which hosts the Minto and Williams Creek deposits.

The purpose of this report is to summarize the work completed during the months of May to September which consists of mapping, prospecting and soil sampling follow-up of geophysical and MMI anomalies.

### 3.0 RELIANCE ON OTHER EXPERTS

This report is based upon the results of fieldwork partially supervised by the author, publicly-available assessment reports, and certain private reports prepared for and provided by BCG. There is no reason to believe that any of this information is incorrect.

The author has relied on information provided by the Yukon Mining Recorder to describe the mineral tenure status of the property and believes, to the best of his knowledge, that this information is correct.

#### 4.0 PROPERTY DESCRIPTION AND LOCATION

The SPEAR mineral claims are located 80 kilometres NW of Carmacks and approximately 9 km northwest of the Minto Mine (Figs. 1, 2). The property falls within the Whitehorse Mining District on NTS map sheets 115I/11 and is centered at an easting of 378 400 and a northing of 6 951 100. The claims cover favourable geology and regional airborne magnetic anomalies and regional stream sediment anomalies that are prospective for Minto style copper-gold

mineralization. The mineral claims are registered to Shawn Ryan of Dawson City, Yukon and are under an option agreement to BCG.

In accordance with the Yukon Quartz Mining Act, yearly extensions to the expiry dates of quartz claims are dependent upon conducting \$100 of work per claim or paying the equivalent cash in lieu of work. Work must be filed in the year the work was completed. Excess work can be used to extend expiry dates up to maximum of four years. Assessment costs can be applied to adjoining claims through filing grouping certificates. Filing a statement of work and costs and submission of an assessment report to the Whitehorse Mining Recorder verifying completion of the work, are also required no later than six months after the anniversary date of the claim.

The claims are located within the Traditional Territory of the Little Salmon Carmacks First Nation, which has a land claim settlement Agreement under the Yukon Umbrella Final Agreement.

# 5.0 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

Access to the property is by helicopter from Carmacks. Low precipitation and a wide temperature range characterize the climate. Winters are cold, and temperatures of -30° C to -40° C are common. Summers are moderately cool to hot, with daily highs of 15° C to 30° C. The town of Carmacks is the closest centre for obtaining groceries, fuel, accommodation and some limited rental and contracted exploration services. Trans North Helicopters maintains a summer helicopter base at Carmacks.

### 6.0 HISTORY

The area covered by the SPEAR claims has seen some prior reconnaissance exploration work as part of the property work around the Minto mine deposit primarily by Hudson Bay Exploration and possibly by Black Giant ML., however there are no known historical showings within the property bounds.

In 2007 BCG completed an airborne magnetic and radiometric survey with 200m spaced lines that were flown over the entire belt claims.

In 2008 100 MMI samples were carried out by Ryanwood Explorations and a five line 9 km gradient array survey was done as well.

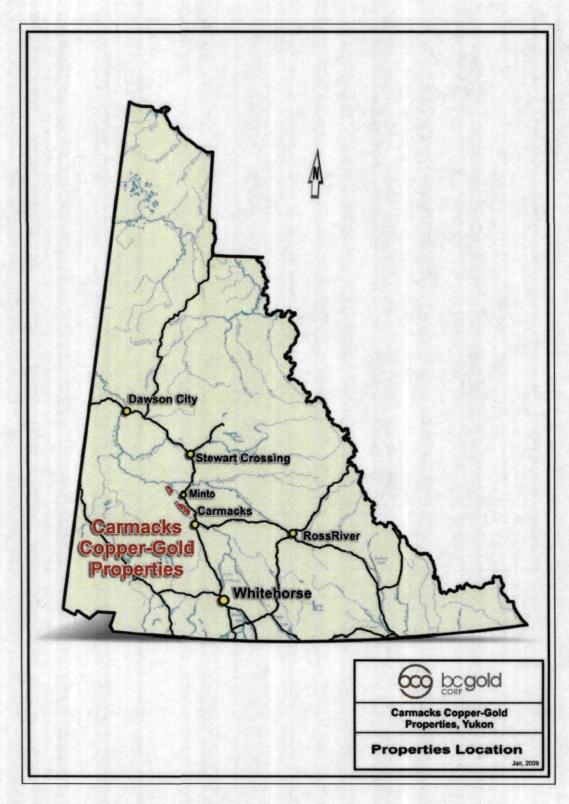


Figure 1: Carmacks area location map.

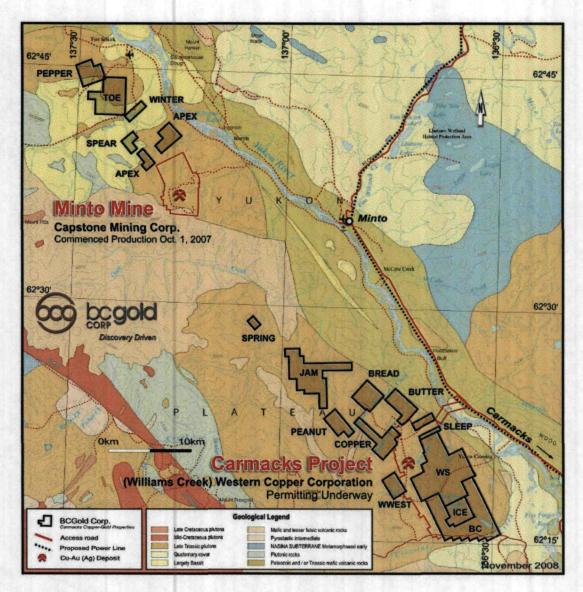


Figure 2: Carmacks regional geology and claim location map.

### 7.0 GEOLOGICAL SETTING

### 7.1 Regional Geology

The SPEAR claims are located approximately 9 kilometres northwest of Capstone's Minto Mine copper-gold deposits. This area of the Yukon is bounded by the Stikinia Terrane rocks to the east, Yukon Tanana Terrane rocks to the north and the Coast Plutonic Complex rocks to the west. The Williams Creek and Minto Area is underlain by the Early Jurassic Granite Mountain Batholith and the related Minto Pluton, which are unconformably overlain by sedimentary rocks and flows of the Late Cretaceous Tanatalus Formation and the Late Cretaceous Carmacks Group. These units are further overlain by Quaternary volcanic rocks. The Minto Pluton, as designated by the Yukon Government is referred to as the Klotassin Batholith in the Orequest technical report on the Minto Property (Cavey et al, 2005).

### 7.2 Property Geology

Outcrop on the property is extremely scarce if exposed at all. While taking soil samples, float pieces of Selkirk volcanics and occasional granodiorite (Fig. 3) were found and mapped as such. The majority of the northern part of the property is bog and permafrost is likely to be found ~50-60 cm below the surface.

### 8.0 EXPLORATION PROGRAMS

### 8.1 Mapping, Prospecting and Soil Sampling

Mapping traverses done by Jean Paultier, Gary Sidhu and Geoff Newton resulted in very little information. No outcrops were found however float pieces of Selkirk volcanics and occasional granodiorite were found and mapped as such. Prospecting and soil sampling was based on follow up to a gradient array survey and MMI done in 2008 which shows multiple chargeability highs and proximal MMI anomalies (Fig.4).

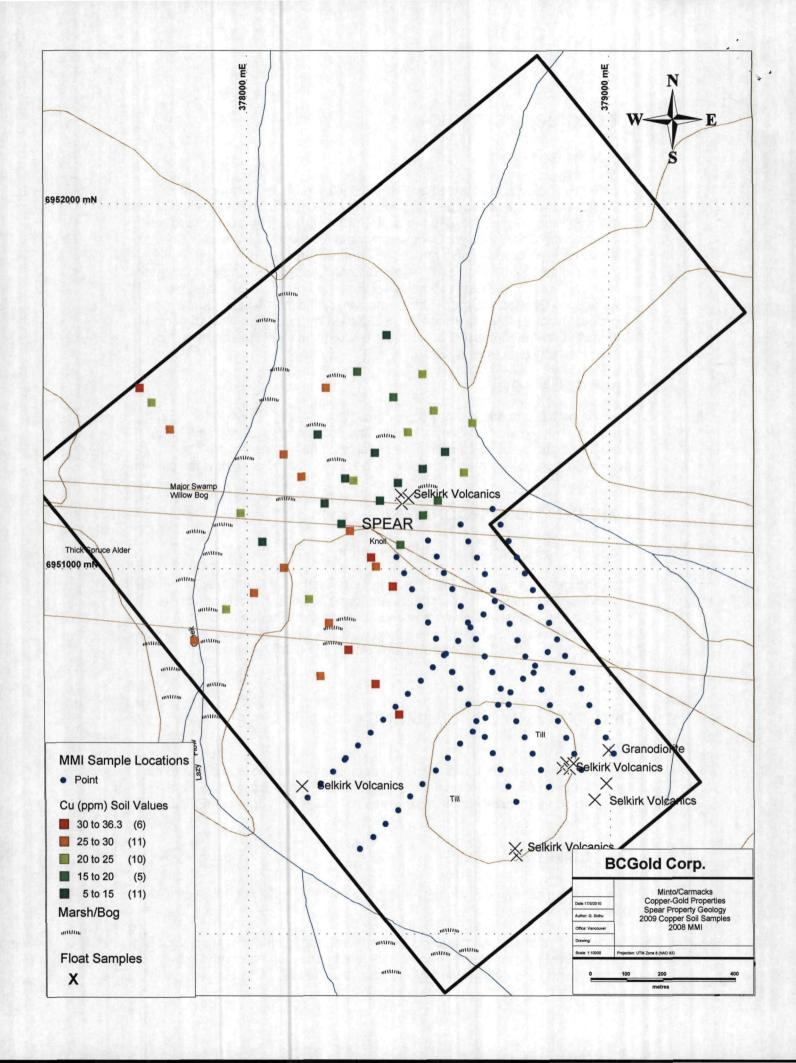
### 9.0 RESULTS AND CONCLUSIONS

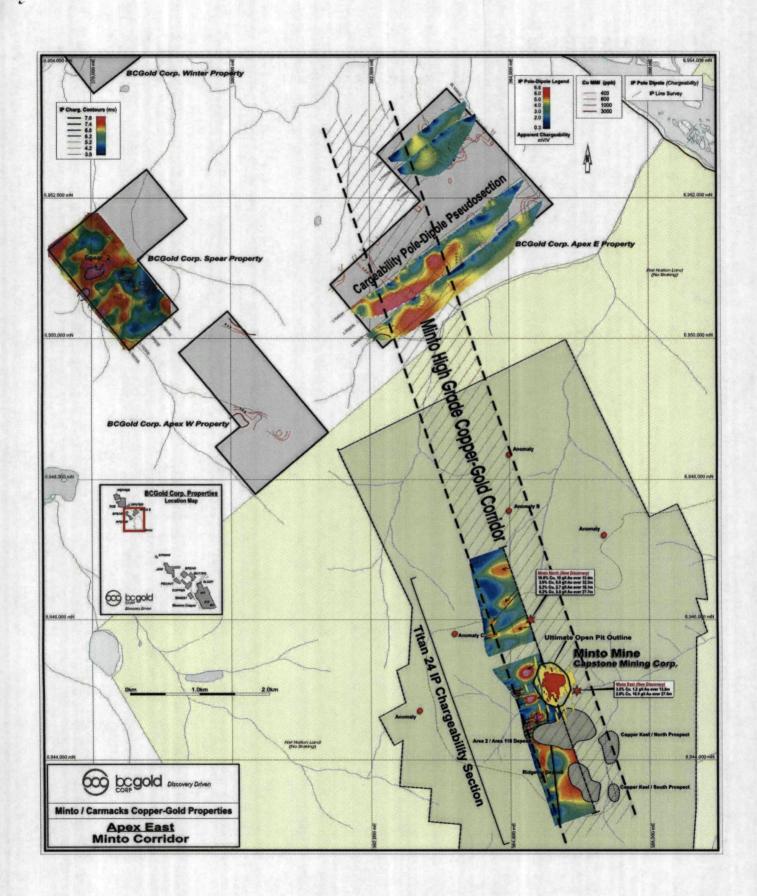
Follow up of the gradient array and MMI anomalies was difficult and due to the lack of outcrop and did not reveal any significant clues. Soil sampling, has indicated some relatively anomalous areas coinciding with gradient IP highs.

### 10.0 RECOMMENDATIONS

The following recommendations should be considered based on the recent and past exploration work:

i) Follow up on soil sampling in areas that were missed, a tighter spaced sampling grid over the coincident geochemical and geophysical anomalies and soil samples alongside anomalous MMI samples as a check.





## 11.0 REFERENCE

1. Cavey et. al. 2005. Orequest Technical Report.