



# Haoma Mining NL

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October 9, 2013

Company Announcements Office  
Australian Stock Exchange  
Level 4, North Tower, Rialto  
525 Collins Street  
**MELBOURNE, VIC 3000**

Dear Sirs,

## **Significant Platinum Group Metals (PGM) grades measured in samples of Bamboo Creek Tailings concentrates**

The Directors of Haoma Mining are pleased to advise shareholders that they have received assay results showing significant precious metal grades from samples sent to a European PGM refiner for analysis. The samples analysed recorded all PGM and gold/silver.

Platinum Group Metals are found in limited quantities in only a few locations around the world. They are 'strategic' metals with many industrial uses including medical, electronic and automotive.

**Haoma Director's believe the quantities of PGM measured in concentrates produced by conventional mining and processing methods confirm that it is now viable for processing operations to recommence at the Bamboo Creek Plant. This would soon be able to generate a significant cash flow for Haoma.**

On September 30, 2013 Haoma shareholders were advised of recent developments regarding processing Bamboo Creek Tailings using the Elazac Process.

The following summarises developments at Bamboo Creek since then:

- The Bamboo Creek Plant has been re-configured so that it is now capable of processing test parcels of Bamboo Creek Tailings with a feed rate of 8 tonnes an hour.
- Test processing has produced a series of Bamboo Creek Tailings and Mt Webber Concentrate products which range in output from 4% to about 60% of the ore processed.
- Samples from concentrates have been sent to three overseas refiners for evaluation of both the ore composition and precious metal assay grades.
- To date assays have been received from one European refiner for three concentrate samples. They are shown in Table 1 below. Assays are awaited for 7 more Bamboo Creek Tailing samples and 3 Mt Webber samples. Shareholders will be advised of additional concentrate assay results when received.
- Previous precious metal assays for Bamboo Creek Tailings Concentrate samples are shown in Table 2 below.

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- Haoma has begun negotiations with three overseas refiners to determine the most favourable terms Haoma can obtain for an ‘off- take’ agreement to supply about 1,600 tonnes of Bamboo Creek Tailing Concentrate a month.
- On the completion of test work Haoma will apply to the Department of Mines and Petroleum for a full operating licence to use the Bamboo Creek Plant to process the million tonnes of Bamboo Creek Tailings.

**The Platinum Group Metals and gold/silver assays in Table 1 below show the Bamboo Creek Plant is capable of producing ore concentrates which contain significant quantities of PGM and in addition gold and silver.**

The latest results are significantly higher than assays received in October 2012 (Table 2 below). In addition the **cost of producing concentrates from Bamboo Creek Tailings is now significantly lower than they were previously.**

The current Bamboo Creek Plant trial production costs are approximately \$650 an hour (about \$80 per tonne). The shipping costs for concentrate ore from the Bamboo Creek Plant to an overseas refinery is about \$300 a tonne.

Haoma expects to receive more concentrate assays over the next 2 weeks, once received the optimum test plant configuration can be determined.

**Table 1: Bamboo Creek Tailings Concentrate and Mt Webber Concentrate Assays.**  
**Assays in second columns are the calculated PGM and gold/silver Head Grades for the ores processed (Tests conducted October 2013)**

	<u>Bamboo Creek 1</u>		<u>Bamboo Creek 2</u>		<u>Mt Webber 1</u>	
Sample size tested	250 kg		250kg		15 kg	
Concentrate as a % of sample	15.78%		11.58%		4.17%	
	<u>European Refinery Concentrate Assay</u>	<u>Calculated Head Grade</u>	<u>European Refinery Concentrate Assay</u>	<u>Calculated Head Grade</u>	<u>European Refinery Concentrate Assay</u>	<u>Calculated Head Grade</u>
<u>Gold/Silver &amp; PGM grades</u>	ppm	ppm	ppm	ppm	ppm	ppm
Au	689	107	260	31	100	4
Ag	370	580	400	47	340	14
Pt	1090	172	1200	141	600	25
Pd	4840	763	4440	522	2050	85
Ir	-		100	12	150	6
Ru	370	58	1040	122	-	-
<b>Total gold/silver &amp; PGM</b>	<b>7350</b>	<b>1198</b>	<b>7440</b>	<b>875</b>	<b>3240</b>	<b>134</b>
Nickel grade	<b>1790</b>		<b>330</b>		<b>6320</b>	
Copper grade	<b>380</b>		<b>580</b>		<b>15100</b>	
Zinc grade	<b>1600</b>		<b>-</b>		<b>2490</b>	

**Table 2: Bamboo Creek Tailings Concentrate<sup>[1]</sup> Assays (Tests conducted October 2012)**

	<u>Sample 1</u>		<u>Sample 2</u>		<u>Sample 3</u>		<u>Sample 4</u>
Bamboo Creek Tailings sample size	70 kg		70 kg		75 kg		305kg
Concentrate as a % of tailings sample	13.41%		12.22%		2.34%		4.0%
	<u>European Refinery Assay</u>	<u>Aust. Lab Assay</u>	<u>European Refinery Assay</u>	<u>Aust. Lab Assay</u>	<u>European Refinery Assay</u>	<u>Aust. Lab Assay</u>	<u>Aust. Lab Assay</u>
<u>Gold/silver &amp; PGM grades</u>	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Au	80	342	100	431	40	1,021	433
Ag	150	264	90	Not measured	130	77	382
Pt	560	312	450	421	470	32	29
Pd	520	199	500	323	810	-	-
Ir	40	20	20	22	90	-	-
Rh	50	-	120	-	10	-	-
<b>Total gold/silver &amp; PGM</b>	<b>1250</b>	<b>856</b>	<b>1119</b>	<b>1200</b>	<b>1430</b>	<b>1053</b>	<b>462</b>
<b>Nickel grades</b>	<b>4700</b>	<b>3698</b>	<b>Not measured</b>	<b>4080</b>	<b>7630</b>	<b>5913</b>	<b>9228</b>

**Samples 1 and 2** are the same Bamboo Creek Tailing Concentrate plus a 'Middling Concentrate' fraction.

**Sample 3** is a Bamboo Creek Tailings Concentrate sample which was acid digested (HCL) before assaying. No 'Middling Concentrate' fraction was added.

**Sample 4** was a Bamboo Creek Tailings Concentrate sample which was **NOT** acid digested (HCL) before assaying. No 'Middling Concentrate' fraction was added.

Yours sincerely,



**Gary C Morgan,**  
**CHAIRMAN**

1. The information & data in this report as it relates to Metallurgical Results is based on information compiled by Mr. Peter Cole who is an expert in regard to this type of metallurgical test work. The results relate to testing the effectiveness of a new method of assaying for gold and other mineral content (the Refined Elazac Assay Method) and a new method for extraction of gold and other minerals from ore (the Refined Elazac Extraction Method). These methods are together referred to as the Elazac Process. The information reported relates solely to ongoing test work in relation to bringing the Elazac Process to commercial realisation. Mr. Cole has worked in the mining industry for over 30 years and has been associated with the development of the Elazac Process over a long period (approximately 15 years). Mr. Cole is one of only a few persons with sufficient relevant knowledge and experience to report results in relation to test work on the Refined Elazac Assay Method and Refined Elazac Extraction Method. Mr. Cole has consented to the inclusion in this report of the information and data in the form and context in which it appears