



21 August 2017

ASX Market Announcements

### **Haiti Gold Projects – Update**

- **Outstanding gold recoveries of up to 99.4% from Morne Bossa oxide ore Metallurgical tests**
- **12 hour recoveries ranging from 92.1% - 98.7% of the gold from leach results which are considered excellent**
- **The simple metallurgy at both projects makes them amenable to a simple cyanide leach circuit so the presence of copper and silver is not a problem**
- **Metallurgical results to be used in conceptual study about possible size and scope of CIL Plant, which is nearing completion**
- **Regional Geo-chemical sampling program to commence on some prospective areas surrounding the Morne Bossa deposit,**
- **Discussions advanced with Drilling contractors to commence up to 2500 metres of diamond drilling for confirmation and infill purposes at Morne Bossa and Grand Bois**

As indicated in previous announcements 3D Resources has been focussing its efforts on evaluating the oxide resources for the two Haitian gold deposits and has been preparing the base data for assessing the project both from a technical and economic viewpoint. Work continues on finalising a commercial understanding of the project, but the assessment to date shows the projects to be commercially very attractive.

On the technical front metallurgical tests on samples taken from the Morne Bossa Drilling completed in 2011 have been undertaken. These tests were viewed as essential as earlier tests carried out as part of the UN work in 1980's had largely looked at a heap leach project treating the broad lower grade mineralisation.

### **Metallurgical Studies**

Metallurgical tests were carried out on composite samples from 2 drill holes that had been drilled in 2011 that comprised both the near surface ores and material down to 38m below surface, but also a range of grades to better reflect the likely material that would be presented to a CIL Plant set up for the Morne Bossa Project. The results of the test work carried out by Bureau Veritas were exceptionally positive and give 3D Resources great confidence in the economics of the projects.

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The test results can be summarised as follows :

Items	Units	MET 01	MET 02	MET 03	MET 04
Source Drill Hole	ID	VCS 10-001	VCS 10-001	VCS 10-005	VCS 10-005
Depths	m	2m – 19metres	19m - 26metres	0m – 13metres	17m – 38metres
Au	g/t	1.32	6.07	3.14	2.16
Ag	ppm	2	20	11	6
Cu	%	0.05	0.01	0.01	0.01
Hg	ppm	<0.01	0.03	0.15	0.13
As	ppm	342	198	366	194
(Sulphide) S	%	0.03	0	0.04	0.11
C (organic)	%	0.04	0.03	0.07	0.05
Recovery Au (12hrs)	%	92.1	93.4	93.5	98.7
Recovery Au (24hrs)	%	95.7	91.5	92	99.4
Recovery Au (48hrs)	%	97	98.6	98.6	98.4

Table 1 Morne Bossa Metallurgical Test Results

The Company considers these results to be excellent and believes that they verify that the oxide ores at Morne Bossa are amenable to simple cyanidation. Given the positive outcome of these results, the company intends to undertake some initial tests on the underlying sulphide ores.

Extensive metallurgical test work has already been carried out at Grand Bois during the Newmont/Eurasian Mineral Joint Venture period of which the latest tests based on the average results from 34 samples tested throughout the deposit can be summarised by the following table:

Grand Bois	Oxide Ores based on range of Low to High Grades					Transitional (oxide/Sulphide)		
Au	g/t	0.83	1.56	5.00	7.68	1.00	1.66	0.57
Ag	ppm	33	10	30	56	53	8	4
Cu	ppm	162	381	333	393	1665	1071	3754
Recovery Au	%	90.0	93.0	90.0	86.0	72.0	90.0	15.0

The transitional ores represent a mix of oxide and sulphides and the nature of the deposit tends to be that the higher the grade the more oxidised it is. In all samples >1.0g/t the cyanide soluble copper was a maximum of 17% of the contained copper but also showed higher gold recoveries (90%).

As part of the technical assessment, a review of these metallurgical test results was undertaken in the course of designing the processing plant and both projects were found to have fairly simple metallurgy when considering the fact that:

- Very little of the copper in the oxide /transitional zones is cyanide soluble and therefore does not cause high cyanide consumption, or require a complex detox circuit.
- The cyanide recoverable silver content is at a level that should not require a Merrill Crowe circuit.

The current plans are therefore to build a simple CIP/CIL circuit to treat both the Morne Bossa and Grand Bois oxide ore bodies and to evaluate the limits of the open cuts by those transitional ores and sulphide ores that are commercial to treat. A more thorough investigation of alternate treatment options for the sulphide ores will be carried out in the longer term.

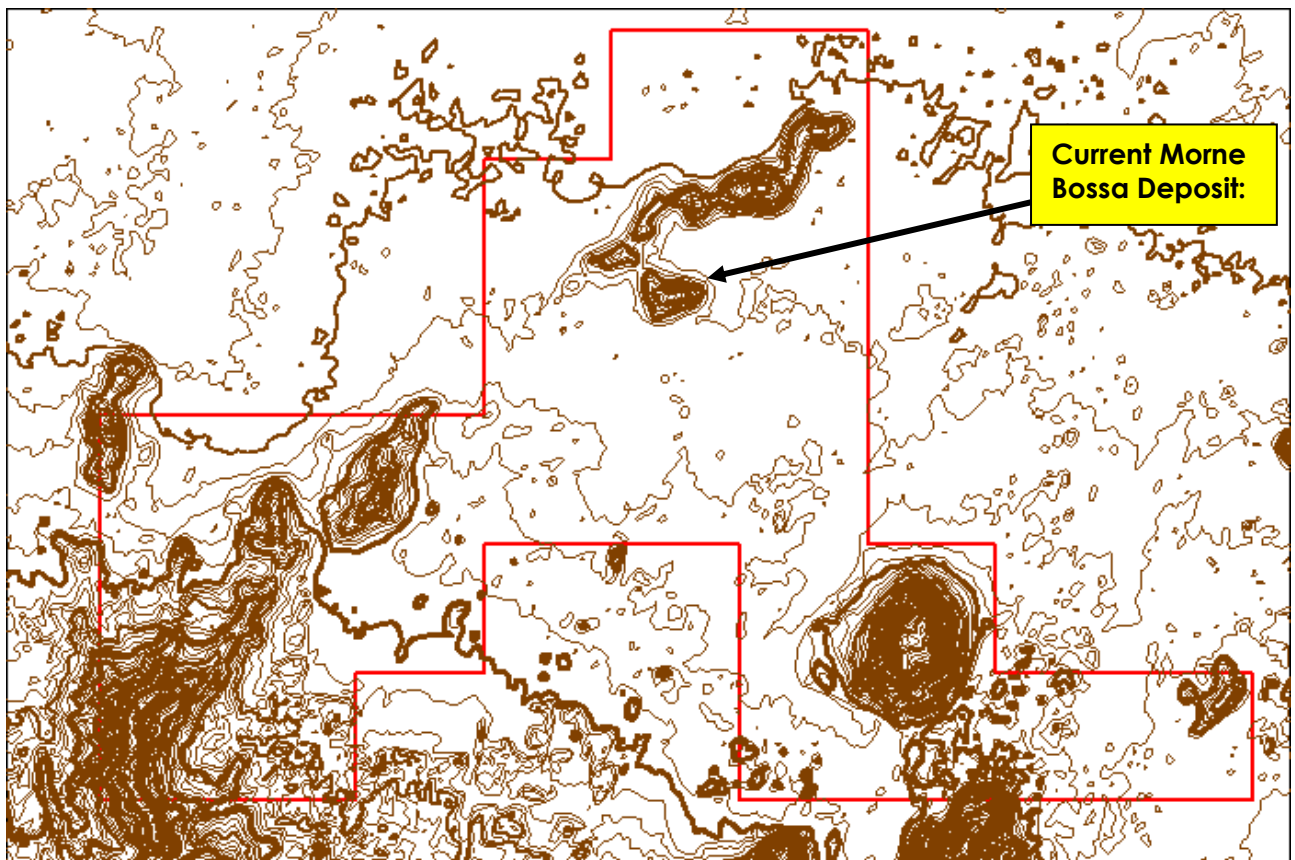
### **Regional Potential:**

In addition to known resources at Morne Bossa and drilling that has occurred in and around the immediate vicinity of that deposit, there is significant signs of a much larger scale mineralisation system evidenced by :

- At least 4 known occurrences of gold mineralisation within the license area of which only Morne Bossa has been drilled.
- Numerous >1g/t Au rock chip samples which have been taken and several regional geochemical sampling programs which show anomalies which all warrant follow up.
- A regional picture that much of the area has alluvial cover and so the potential for buried deposits is potentially high. The eastern extension to Morne Bossa potentially exists below this alluvial cover.
- Visible shearing and iron staining in some road cuttings in the volcanics away from the known deposits which highlight the potential for possible additional deposits.
- Numerous major N-S and NE-SW faults crossing the area which have controlled distribution of the mineralisation, many of which lie beneath alluvial cover.

The following map highlights the regional exposures of volcanics in the flat alluvial plain within the tenement boundaries. Many of the hills represented show silicification and alteration in the volcanic suite and so potentially have scope to be of a mineralisation similar to the Morne Bossa deposit. Several of these hills terminate at NW and N trending faults which potentially control mineralisation:

Figure 3: Physiography of the Morne Bossa project area



The company plans to commence a regional geo-chem sampling program in the next fortnight, with a view to developing some regional scout drilling targets. The Company already has a team of 4 on the ground in Haiti, and is therefore ready to commence this program as soon as the MD, Peter Mitchell, returns to Haiti in the next fortnight.

**Information in this “ASX Announcement” relating to Exploration Results and geological data has been compiled by Mr. Peter Mitchell who is a Member of the Australian Institute of Mining and Metallurgy and is Managing Director of 3D Resources Ltd. He has sufficient experience that is relevant to the types of deposits being explored for and qualifies as a Competent Person as defined in the 2012 Edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves” (JORC Code 2012 Edition). Peter Mitchell has consented to the release of the announcement.**

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