SIX SIGMA METALS

12 AUGUST 2020

Exploration update

Six Sigma Metals Limited (ASX:"**Si6**", "**Six Sigma**" or the "**Company**") wishes to provide an update on exploration activities in Botswana.

The ground exploration program targeting additional nickel, copper, cobalt, PGE and silver mineralisation designed to progress SI6's portfolio of assets in eastern Botswana is progressing. Phase one has been completed with phase two commencing in the coming weeks. Delays have been encountered particularly as a result of a sharp spike in new COVID-19 cases in late July/early August. As a result, the Government of Botswana imposed lockdown measures and travel restrictions. Si6 experienced difficulties resulting from these restrictions in moving people and equipment across Botswana.

Current Programs

Phase One

Phase one of the program involving sampling of the Majante and Majante Southwest (Majante SW) prospect areas (*Figure 1*) has been completed. Historic exploration has identified buried conductors associated with mapped ultramafic rocks at surface and elevated nickel and copper soil geochemical anomalies from limited past sampling programs (*see ASX Announcements 30/09/2008 and 30/01/2009*). A soil program over Majante SW consisting of 26 lines located 200m apart was sampled at 200m intervals to produce 653 samples. The samples have been analysed using the Company's portable XRF machine, with 100 samples chosen to be sent to an independent laboratory for detailed analysis to correlate with in-house analyses. Follow-up work will include ground magnetic surveying and/or EM surveys to help delineate drill targets.

Phase Two

Phase two of the program will include deep-penetrating geophysical surveying across the Airstrip Cu-Ag and Dibete Cu-Ag projects. Previous results at Airstrip have revealed narrow shoots of very high-grade copper and silver mineralisation (*see ASX Announcement 14/08/2017*). Previous results at Dibete have revealed thick zones of copper and silver mineralisation intersected close to the surface (*see ASX Announcement 18/12/2017*). Similarities between the style of mineralisation at Airstrip and Dibete to the historic Messina Copper project in the Limpopo Mobile Belt in South Africa (*see ASX Announcement 14/08/2017*) have been noted. The geophysical survey has been designed to test for deep, massive to semi-massive sulphide bodies that might be 'feeding' the high-grade mineralisation observed close to surface.

The program has been designed in conjunction with the use of a locally generated Artificial Intelligence Algorithm that uses potential field data of the local rocks to highlight areas of potential copper accumulation. Si6 is working closely with the University of Botswana to design the ground survey, which will consist of several AMT traverses testing for deep, buried conductive units beneath the near-surface mineralisation across each prospect. Planning for follow-up drill testing of identified targets will follow.

Six Sigma Metals

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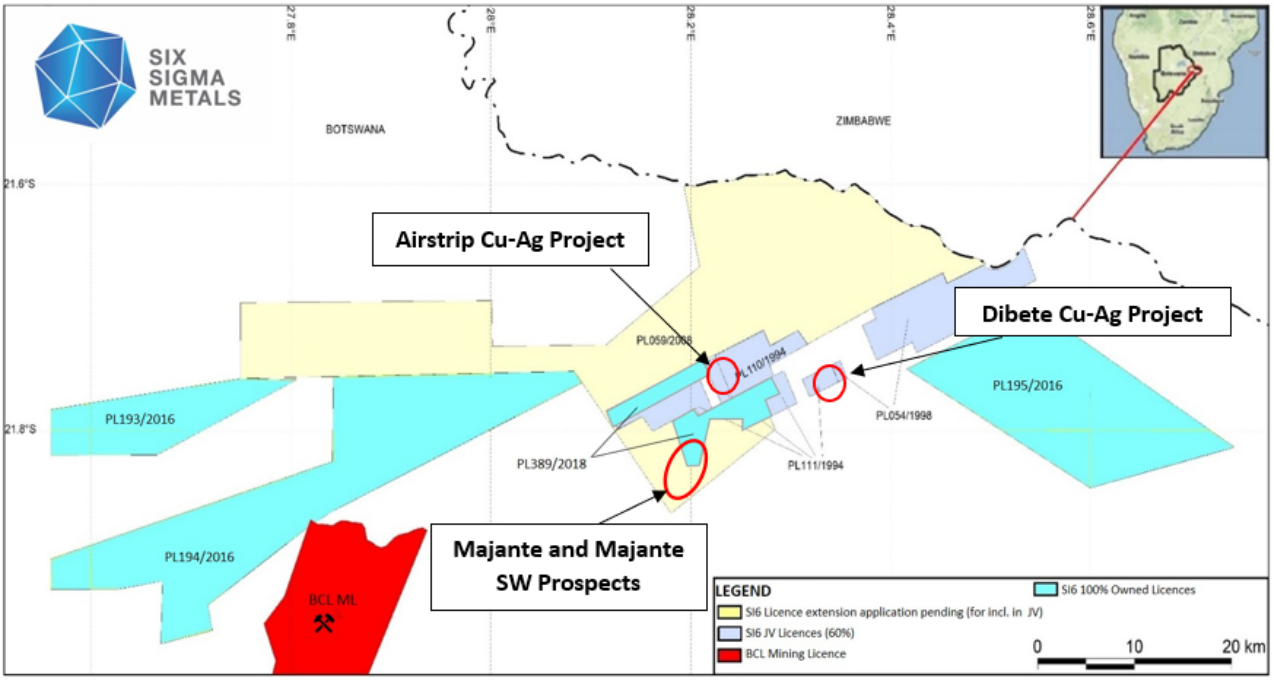

Figure 1: Si6 tenement map in eastern Botswana

BCL liquidation update

In relation to the liquidation of joint venture partner, BCL Limited, discussions with the liquidator have revealed that a number of indicative offers have been received and are in the process of being assessed. Si6 has no clarity on either the timing or outcomes of those assessments neither the prospects of a successful liquidation. However, Si6 is closely monitoring progress.

Airstrip and Dibete Cu-Ag Background

Both projects were subject to a concentrated exploration campaign during 2010 – 2012 which included the drilled discoveries of high-grade copper and silver mineralisation at both projects. A small RC program was undertaken at both prospects during 2017 (*see ASX Announcements 18/12/2017 & 12/01/2018*) to test new mineralisation models.

The Company is conscious of reviewing current and potential silver prospects as a result of the recent resurgence in silver prices. Silver prices were sub US$15 per ounce in March 2020 and are nearing US$30 per ounce. In fact, current silver prices have not been seen since 2013. Historical exploration has demonstrated that both Airstrip and Dibete contain bonanza silver grades.

The Dibete prospect (*see ASX Announcement 14/08/2017*) contains significant supergene and primary copper and silver mineralisation in two shallow, sub-parallel locations. This mineralisation was discovered via historic exploration programs including soil sampling, airborne and ground geophysics and shallow RC and diamond drilling. The two mineralised areas total over 300m in cumulative strike length and have been drilled to a maximum depth of only about 60m below surface. The primary mineralisation is structurally controlled massive sulphide veins and both zones remain open along strike and at depth. Existing soil sampling and geophysical data suggests numerous analogous geochemical and structural settings exist in the area and present attractive additional exploration targets for similar styles of mineralisation.

Highlights of past significant results from Dibete include:

Dibete 2010 - 2012 (*see ASX announcement 25 November 2011*)

- **38m @ 1.72% Cu and 119.5 g/t Ag** from 16m in DBRC014
- **18m @ 1.99% Cu and 98.4 g/t Ag** from 32m in DBRC013
- **18m @ 1.78% Cu and 28.9 g/t Ag** from 24m in DBRD006
- **17m @ 2.7% Cu 40.5g/t Ag** from 16m in DBRC081
- **12m @ 1.8% Cu 42g/t Ag** from 33m in DBRC094
- **11m @ 4.5% Cu 229.9g/t Ag** from 33m in DBRC028
- **10m @ 3.9% Cu 110g/t Ag** from 43m in DBRC108
- **9m @ 2.8% Cu 87.3g/t Ag** from 33m in DBRC107
- **6m @ 2.3% Cu 117g/t Ag** from 34m in DBRC097

Figure 2: Outcropping secondary copper minerals in old workings at the Dibete Prospect

Dibete 2017 (*see ASX announcement 18 December 2017*)

- **17m @ 1.48% Cu, 45g/t Ag** from 15m in DBRC123
- **25m @ 2.17% Cu, 77g/t Ag**, from 27m in DBRC124
- **13m @ 2.11% Cu, 37.8g/t Ag** from 37m in DBRC129
- **13m @ 1.9% Cu, 61.9g/t Ag** from 41m in DBRC130
- **6m @ 4.46% Cu, 162 g/t Ag** from 38m in DBRC131
- **10m @ 2.04% Cu, 15.6g/t Ag** from 7m in DBRC133
- **9m @ 1.79% Cu, 32.7g/t Ag** from 24m in DBRC135

The Airstrip prospect (*see ASX Announcement 14/08/2017*) lies along strike to the south-west of the Maibele North Ni+Cu+Co+PGE orebody and contains a number of discrete, extremely high-grade vein-controlled copper and silver shoots that are interpreted to overprint the southwest extension of the Maibele North orebody. The veins are narrow, structurally controlled and have been drilled to a maximum depth of approximately 150m below surface. All shoots remain open down plunge and are interpreted to lie at the intersection of northwest and northeast structural and geological trends. Numerous similar structural intersection zones are evident in the area, many of which are marked by very strong copper soil sample responses. These all present as very attractive targets for the further discovery of similar styles of mineralisation. In addition to the copper and silver potential at Airstrip, a number of high-grade nickel and cobalt intersections have been revealed in previous drill holes. These are interpreted to represent the southwest extension of the Maibele North orebody and further highlight the mineral potential of the area.

Highlights of past significant results from Airstrip include:

Airstrip 2010 - 2012 (*see ASX announcement 25 November 2011*)

- **8m @ 10.39% Cu and 630 g/t Ag** from 52m in ACRC03
- **2m @ 4.77% Cu and 34 g/t Ag** from 44m in ACRC010
- **8m @ 1.71% Cu and 52 g/t Ag** from 159m in ACRD018
- **8m @ 1.08% Cu and 62 g/t Ag** from 22m in ACRD019
- **1.13m @ 21.58% Cu and 1,023g/t Ag** from 65.39m in ACRD029
- **0.9m @ 20.53% Cu and 377 g/t Ag** from 55.5m in ACRD032
- **0.6m @ 25.27% Cu and 1,283g/t Ag** from 64.94m in ACRD033
- **6m @ 2.7% Cu and 72g/t Ag** from 68m from ACDC067

Figure 3: High-grade copper and silver mineralisation in bornite vein at Airstrip

Target Mineralisation Style

The high-grade copper and silver mineralisation at Airstrip and Dibete appear to be very similar in style and geology to the historically significant Messina Copper Deposits located approximately 230km to the south-east in South Africa. The Messina Copper[1] district contains multiple high-grade copper deposits comprising breccia pipes, disseminated replacement and fissure deposits centred on NW-NE structural intersections within high-grade metamorphic rocks of the Limpopo Mobile Belt similar to those seen in the Magogophate Shear Zone. The Messina deposits were discovered initially by the recognition of narrow, high-grade copper veins close to surface, with the larger orebodies extending to over 1,400m depth spaced over a 15km strike zone. The area was mined from 1903 to 1993 and historical records estimate up to 42 million tons of Cu-bearing ore[1] were extracted at Messina. Similarities between Messina and Dibete/Airstrip, including the presence of narrow, extremely high-grade copper veins, spatial association of Karoo-aged dolerite dykes and mineralisation located on NW-NE structural and geological trends all suggest that this style of mineralisation is a valid and exciting new target type for the Magogophate Shear Zone.

Background on the liquidation of BCL

In April 2014, Si6 entered into a farm-in and joint venture agreement with BCL Limited and its subsidiary BCL Investments (Pty) Ltd (jointly referred to as "BCL"). Under the terms of the agreement, BCL was required to spend A$4 million on exploration expenditure to earn a 40% equity interest in three tenements (~185km^2). BCL had the option to continue funding the project to a Bankable Feasibility Study in order to earn an additional 30%. By July 2016, BCL had earned the initial 40% equity, subject to the completion of formalities. In October 2016, BCL was placed into liquidation and all work on the JV assets ceased. The Ministry of Minerals Resources, Green Technology and Energy Security has subsequently suspended (put on hold) the renewal date of the three Prospecting Licences but this decision does not affect Si6's right to continue exploring these licences.

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About Six Sigma Metals

Six Sigma Metals (ASX: Si6) is an exploration company operating in Southern Africa specifically targeting projects containing "battery or new world" metals to capitalise on the rising interest in the sector due to recent global technology advances and increasing demand for these commodities.

Competent Persons Statement

The information in this report that relates to Exploration Targets and Exploration Results is based on historical exploration information compiled by Mr Steven Groves, who is a Competent Person and a Member of the Australian Institute of Geoscientists. Mr Groves is a Director of Six Sigma Metals Limited. Mr Groves has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the "Australasian Code for the reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Groves consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Disclaimer

In relying on the above mentioned ASX announcement and pursuant to ASX Listing Rule 5.23.2, the Company confirms that it is not aware of any new information or data that materially affects the information included in the above announcement. No exploration data or results are included in this document that have not previously been released publicly. The source of all data or results have been referenced in the text.

References

1. *Jacobsen J.B.E. and McCarthy T.S., 1976: An Unusual Hydrothermal Copper Deposit at Messina, South Africa. Economic Geology, Vol. 71, 1976, pp 117 - 130*