

# Si6 Expands Botswana Copper-Silver Portfolio

## HIGHLIGHTS

- **New 903km<sup>2</sup> prospecting license (PL) granted in Botswana adding to exploration portfolio**
- **45% increase to already significant landholding in the Limpopo Mobile Belt in Southeast Botswana (2,868km<sup>2</sup> in total)**
- **PL located:**
  - **~10km east of the Selebi Phikwe Ni-Cu mine and processing facility.**
  - **~7km from Si6's high grade Dibete copper-silver project that has previously intersected up to 13% Cu and 281g/t Ag from recent drill program (ASX release 28 November 2023)**
- **PL is prospective for Copper, Silver, Gold and Nickel**
- **Strategic review of Botswana portfolio ongoing**

Si6 Metals Limited (**Si6** or **the Company**) (**ASX:SI6**) is pleased to announce that it has been granted prospecting licence PL123/2024 (**PL**) by the Botswana Department of Mines for a period of up to seven years. The PL is located south of the Company's portfolio including the Maibele North Ni-Cu-Co-PGE resource and high-grade Cu-Ag discoveries at Airstrip and Dibete (Figure 1). The PL is also located 10km east of the Selebi Phikwe Nickel-Copper mine and processing facility comprising of relevant infrastructure including a concentrator and a smelter, rail lines, dams, and tailings dumps.

The Selebi Phikwe mine and processing facility, which have been in care and maintenance since 2016, are partially owned by Premium Nickel Resources Ltd (TSX-V PNRL). Selebi Phikwe opened in 1980, operated for 36 years, employed over 5,000 people at the time of closing and in total 26.6 million tonnes grading 0.58% Ni and 1.03% Cu was mined over 36 years of production. The Selebi Phikwe mine remains a fully permitted NI-Cu-Co mine and facility.

The PL covers 908km<sup>2</sup> and increases the Company's already significant land position by over 45% to 2,868km<sup>2</sup> in the highly prospective Limpopo Mobile Belt, a district known for major Nickel and Copper production operations. The portfolio includes three joint venture licenses comprising 142km<sup>2</sup> (of which Si6 holds 66%) with BCL Limited.



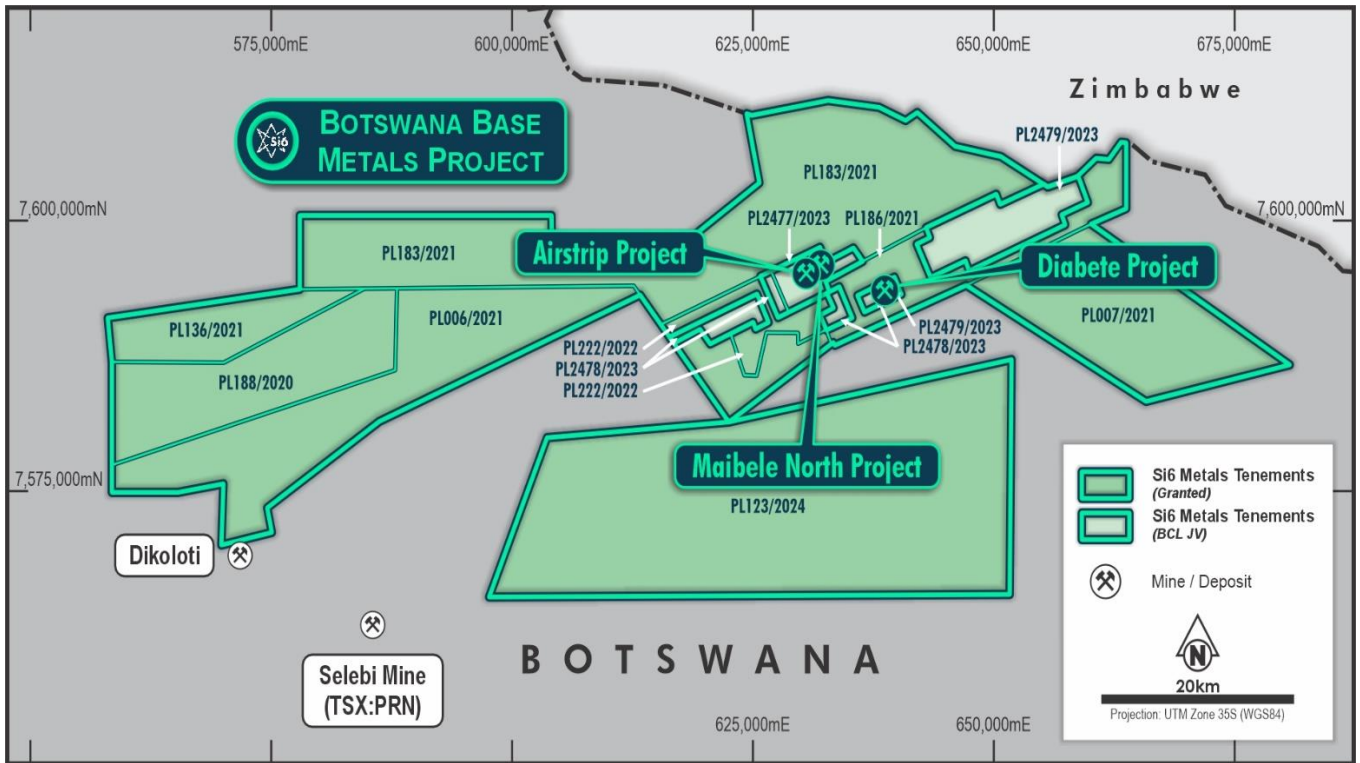


Figure 1- License map of Si6's licenses in Botswana and new EL granted PL123/2024

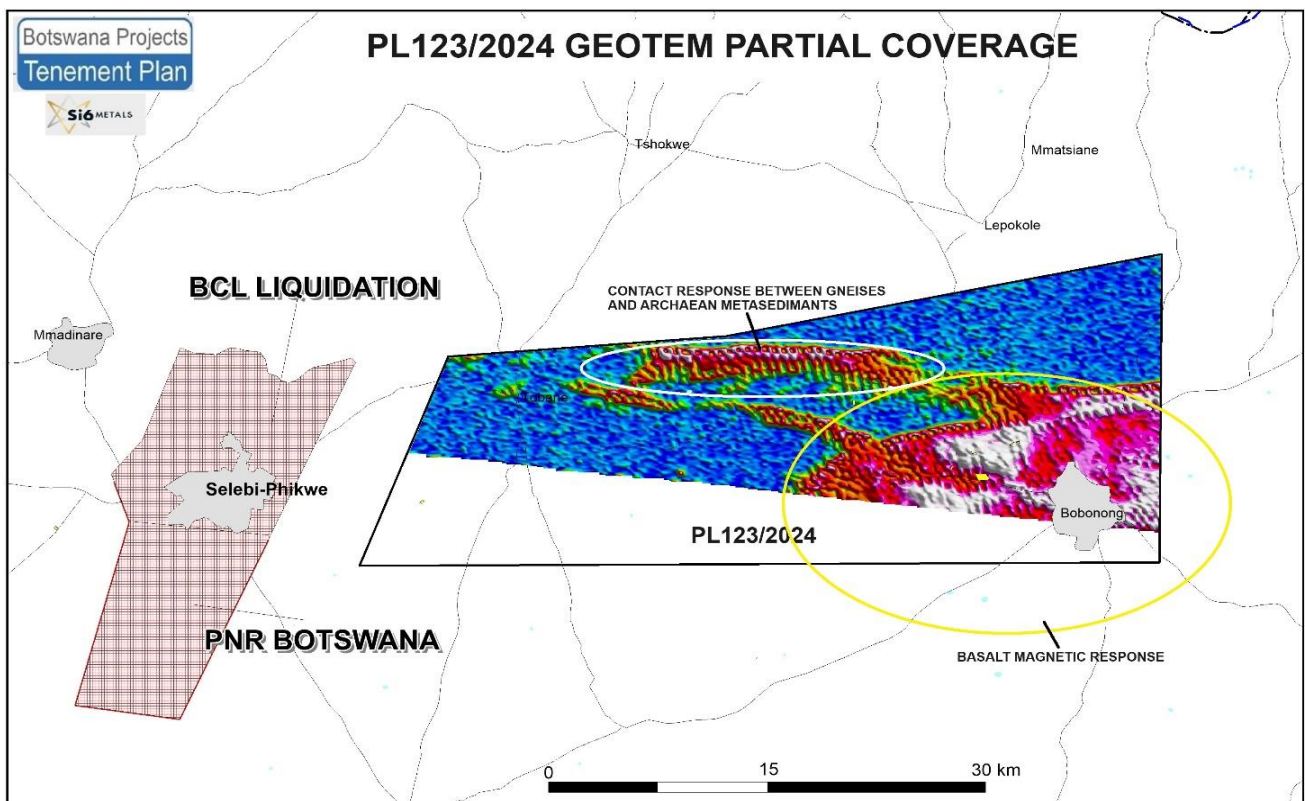
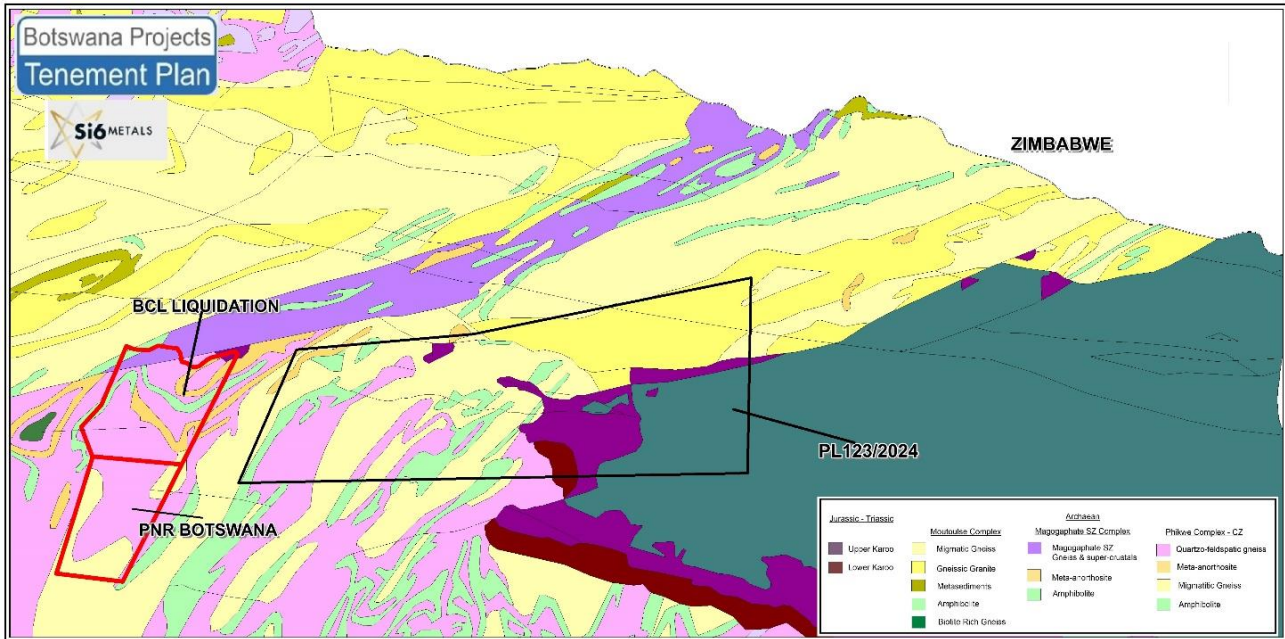


Figure 2. The tenement is located east atop the Zimbabwe Craton, a host of significant gold and copper/Nickel deposits as well as other metals and the Limpopo Mobile Belt, host to the Selebi Phikwe Tier 1 nickel-copper mine.





**Figure 3. PL123/2024 shares similar geology and geological structures to Selebi Phikwe copper/nickel mine partially owned by Premium Nickel Resources Ltd (TSX-V PNRL) and BCL.**

The Dibete prospect is situated ~7km north of the new PL and as previously announced to the ASX, previous drilling highlights at Dibete have been from the “supergene zone” – a zone of thickening and enrichment of Cu and Ag grades:

- **6.15m @ 7.20% Cu + 182g/t Ag** from 24.85m (DBRD149)<sup>1</sup>  
incl. **0.5m @ 10.8% Cu + 281g/t Ag**  
and **1.0m @ 13.0% Cu + 168g/t Ag**
- **1m @ 3.94% Cu + 161g/t Ag** from 33.50m (DBRD149)<sup>1</sup>
- **9m @ 1.54% Cu, 82g/t Ag** from 45m (DBRD142)<sup>2</sup>  
incl. **2m @ 4.20% Cu, 269g/t Ag** from 52m
- **38m @ 1.72% Cu, 119.5g/t Ag** from 16m (DBRC014)<sup>3</sup>
- **17m @ 2.7% Cu, 40.5g/t Ag** from 16m (DBRC081)<sup>3</sup>
- **11m @ 4.5% Cu, 229.9g/t Ag** from 33m (DBRC028)<sup>3</sup>
- **10m @ 3.9% Cu, 110g/t Ag** from 43m (DBRC108)<sup>3</sup>
- **25m @ 2.17% Cu, 77g/t Ag** from 27m (DBRC124)<sup>4</sup>
- **13m @ 2.11% Cu, 37.8g/t Ag** from 37m (DBRC129)<sup>5</sup>
- **13m @ 1.9% Cu, 61.9g/t Ag** from 41m (DBRC130)<sup>5</sup>
- **6m @ 4.46% Cu, 162 g/t Ag** from 38m (DBRC131)<sup>5</sup>
- **10m @ 2.04% Cu, 15.6g/t Ag** from 7m (DBRC133)<sup>6</sup>



The Company will devise an initial reconnaissance program at the new PL as part of the strategic review of its critical metals and minerals portfolio that also includes the Monument gold project in Western Australia. The Company will update the market on this in due course.

#### References:

1. ASX release 28 November 2023, *“Drilling hits 13.0% Copper and 281g/t Silver at Dibete, Botswana”*
2. ASX release 14 November 2023, *“Dibete Drilling Hits High Grade Copper and Silver”*
3. ASX Release 16 April 2012 *“Dibete drilling confirms additional High-Grade Copper-Silver of up to 15.5% Copper and 1220 g/t Silver (or over 30 ounces/t Ag) from 30m”*
4. ASX release 16 November 2017 *“Thick High-Grade Copper and Silver – Initial Holes at Dibete”*
5. ASX Release 18 December 2017 *“Drill Results from Dibete Prospect in Botswana”*

This announcement has been made with the approval of the Si6 Board of Directors.

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## About Si6

Si6 is a supply-critical metals and minerals explorer with base and precious metals project in the Limpopo Mobile Belt in Botswana, a district known for hosting major nickel and copper producing operations. The Company’s portfolio contains an advanced Ni-Cu-Co-PGE resource at Maibele North and drilled high-grade Cu-Ag discoveries at Airstrip and Dibete. The project contains nickel sulphide mineralisation related to ultramafic intrusions within mobile belt rocks and is broadly similar in style to other ultramafic intrusion-related mobile belt nickel discoveries such as IGO’s Nova Bollinger (ASX: IGO), Chalice Mining’s Julimar (ASX:CHN) and the globally significant Thompson Belt in Canada. It currently hosts a resource of 2.4Mt @ 0.72% Ni and 0.21% Cu + PGMs + Co + Au.

Si6 has a joint venture to acquire 70% of all future exploration projects in Brazil, and 50% of 10 rare earth elements, lithium, gold, base and precious metals in Brazil including licences in the “Lithium Valley” and Poços de Caldas in the state of Minas Gerais, globally known as prolific lithium and rare earth elements districts respectively.



Si6 owns 100% of the Monument Au-Ni project located near Laverton in Western Australia. This project currently has a JORC compliant (2012) Inferred resource of 3.257 Mt @ 1.4 g/t for 154,000 ounces Au. (inferred resources calculated by CSA Global in 2021 to JORC 2012 compliance using a 0.5 g/t cut-off grade; see 2 August 2021 ASX announcement “Mineral Resources Estimate declared for Monument Gold Project “for further information).

### **Competent Persons Statement**

The information in this report that relates to Exploration Targets and Exploration Results is based on recent and historical exploration information compiled by Dr Paul Woolrich, who is a Competent Person and a Member of the Australasian Institute of Mining and Metallurgy (AusIMM). Dr Woolrich has sufficient experience that is relevant to the style of mineralisation and the 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”. Dr Woolrich 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.

### **Forward-Looking Statements**

This document may include forward-looking statements. Forward-looking statements include, but are not limited to, statements concerning Si6’s mineral properties, planned exploration program(s) and other statements that are not historical facts. When used in this document, the words such as "could," "plan," "estimate," "expect," "intend," "may", "potential," "should," and similar expressions are forward looking statements. All of such statements are subject to certain risks and uncertainties, many of which are difficult to predict and generally beyond the control of the Company, that could cause actual results to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements. Our audience is cautioned not to place undue reliance on these forward-looking statements that speak only as of the date hereof, and we do not undertake any obligation to revise and disseminate forward-looking statements to reflect events or circumstances after the date hereof, or to reflect the occurrence of or non-occurrence of any events.

