

# June 2024 Quarterly Report

## Key Highlights

### Brazil (Rare Earth Elements, Lithium):

- Three exploration programs completed at Padre Paraíso (Li + REE), Caldera (REE) and Caldera South (REE) in Minas Gerais, Brazil
- Padre Paraíso project uncovered a massive 3km x 800m pegmatite and returned multiple anomalous lithium auger intercepts up to 401ppm Li at surface. Follow up soil sampling program completed with results pending to determine potential drill targets
- Caldera and Caldera South auger drilling programs returned high grade REE intercepts up to 5,475ppm TREO from surface and up to 36% high-value magnetic rare earths oxides (MREO)
- 300km<sup>2</sup> Pimenta project secured prospective for REE-rich allanite and clay-hosted REE in north-east Minas Gerais, with over 26km of highly anomalous thorium and radiometric strike identified over a large circular intrusive structure
- 100% of the 16 Pimenta Project licence applications were granted during the period

### Botswana (Copper, Silver Nickel):

- 45% increase in Copper-Silver portfolio in Botswana with 903km<sup>2</sup> prospecting licence (PL) 123/2024 granted in the Limpopo Mobile Belt (total portfolio increased to 2,868km<sup>2</sup>)
- PL123/2024 is located east atop the Zimbabwe Craton that hosts significant gold and Cu-Ni deposits as well as other metals such as silver
- It is also located within 10km of the Cu-Ni mine and processing infrastructure partially owned by Premium Nickel Resources Ltd (TSX-V:PRNL) and BCL
- Company continuing strategic review and ongoing discussions with various parties regarding opportunities to maximise shareholder value

### Western Australia (Gold):

- Soil sampling program at the 154koz Monument Gold Project commenced over previously untested magnetic anomalies at the Star Well prospect
- Warden's Court decision in favour of Si6 amalgamation of 10 highly prospective prospecting licences (subject to judicial review) within Monument Project areas
- The Monument Project covers 232km<sup>2</sup> and is located within the Laverton Gold District (Western Australia), which hosts numerous multi-million ounce gold mines, including Granny Smith, Wallaby and Sunrise Dam, and is directly adjacent to and along strike of Genesis Minerals' (ASX:GMD) 2.1Moz Au Mt Morgan Project
- Review of Fred's Well Prospect being undertaken (only 400m out of 770m strike previously tested) where previous aircore drill intercepts included:
  - MOAC262 - 24m @ 3.24g/t Au from 44m including 12m @ 6.35g/t Au, and
  - MOAC374 - 3m @ 2.98g/t Au from 72m



## Corporate:

- Revised Joint Venture with Foxfire Metals Pty Ltd on favourable terms as Si6's interest on any future Brazil projects acquired increased to 70%
- Copper-Silver-Ni Projects in Botswana and Monument Gold Project in Western Australian continue to be strategically reviewed to maximise shareholder value
- Board restructured with the addition of highly experienced geologist in Copper/Silver/Gold/REE/Lithium across Botswana, Brazil and Australia Dr Paul Woolrich, and resignations of Managing Director Jim Malone and Non-Executive Director Cain Fogarty

Si6 Metals Limited ("Si6" or "the **Company**", ASX code: **Si6**) is pleased to provide its quarterly report for the three-month period ending 30 June 2024.

## Non-executive Director, Ian Kiers, commented:

*"The June quarter has been significant for Si6 with a substantial amount of activity conducted in the ground at a level not displayed by the Company in recent years. We have restructured our Board with intimate knowledge of the in-demand commodities in Botswana and Brazil, and built a portfolio of potential company-making prospects across three jurisdictions. We now seek to let the results do the talking whilst we review our corporate strategy and assess opportunities that maximise shareholder value."*

## Brazil

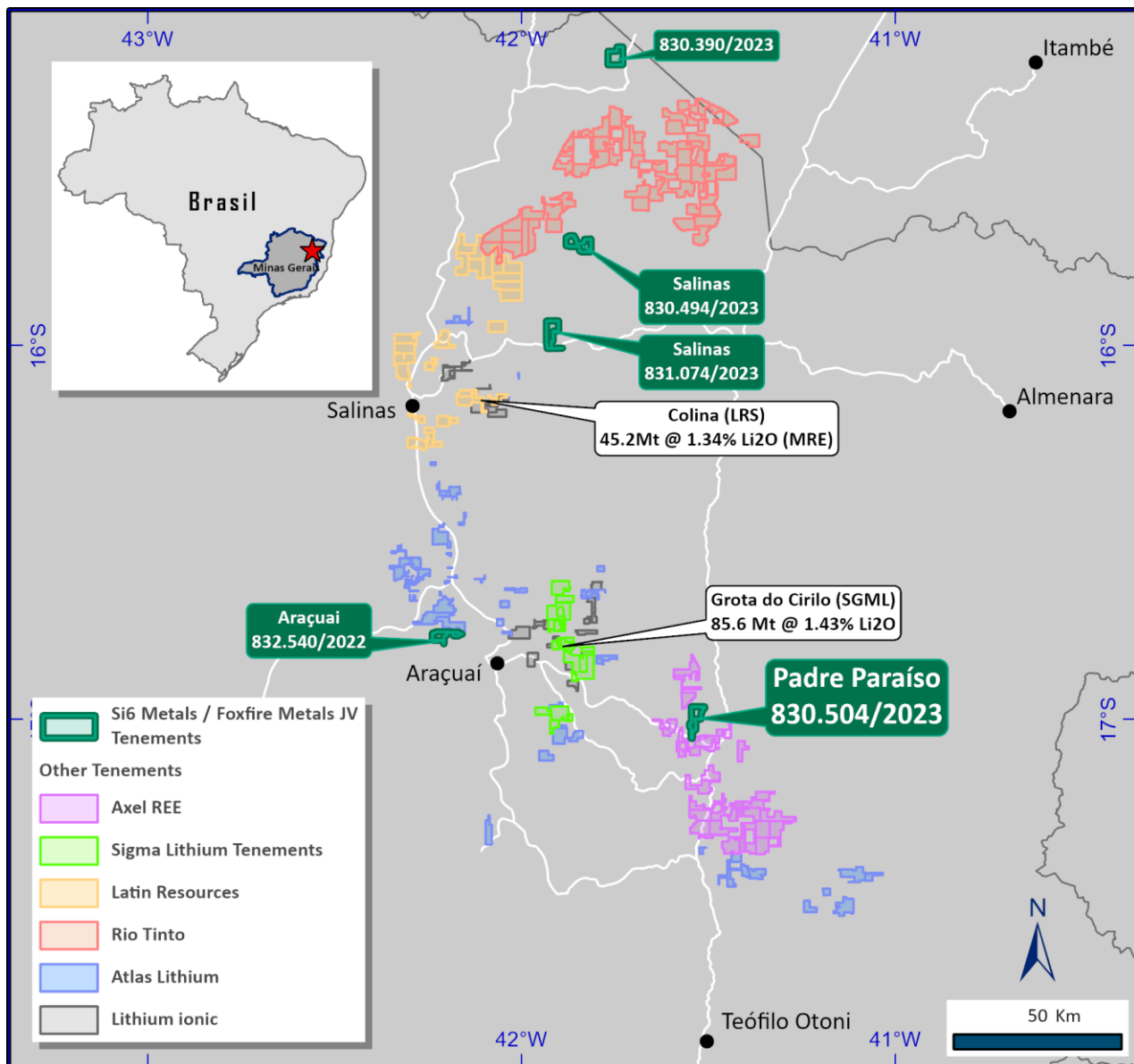
During the quarter, Si6 Metals announced the completion of three soil sampling and auger drill programs across Padre Paraíso (Lithium and REE), Caldera and Caldera South (REE), where all three prospects returned with mineralisation.

### ***Padre Paraíso***

Padre Paraíso is located ~20km east of Sigma Lithium Corp's Grota do Cirilo lithium spodumene producing mine (270Kt/y "Green Lithium"<sup>1</sup>). As announced to the ASX on 30 May 2024, the Company, during a first pass mapping and shallow auger drill program, identified an unexplored pegmatite zone at the NE portion and a REE weathered zone at the South portion of the tenement.

<sup>1</sup> Sigma Lithium <https://sigmalithiumresources.com/grota-do-cirilo/#:~:text=Grota%20do%20Cirilo%20%2D%20Sigma%20Lithium>





**Figure 1: Padre Paraíso project location map**

The pegmatite was intercepted in the auger holes and mapped at surface along a 3km x 800m strike. A total of 7 rock chip samples and 106 auger samples were sent to the SGS laboratory, returning several anomalous lithium surface values up to 401ppm Li which indicates the potential for lithium mineralisation at depth.

Auger intercepts also returned up to 9m at 1,342ppm TREO with 1m at 1,915ppm TREO and 405ppm high-value NdPr south of the tenement.

A follow-up geochemical program comprising 280 samples across the 3km pegmatite corridor has been completed, with results pending that will determine the priority lithium drill targets.





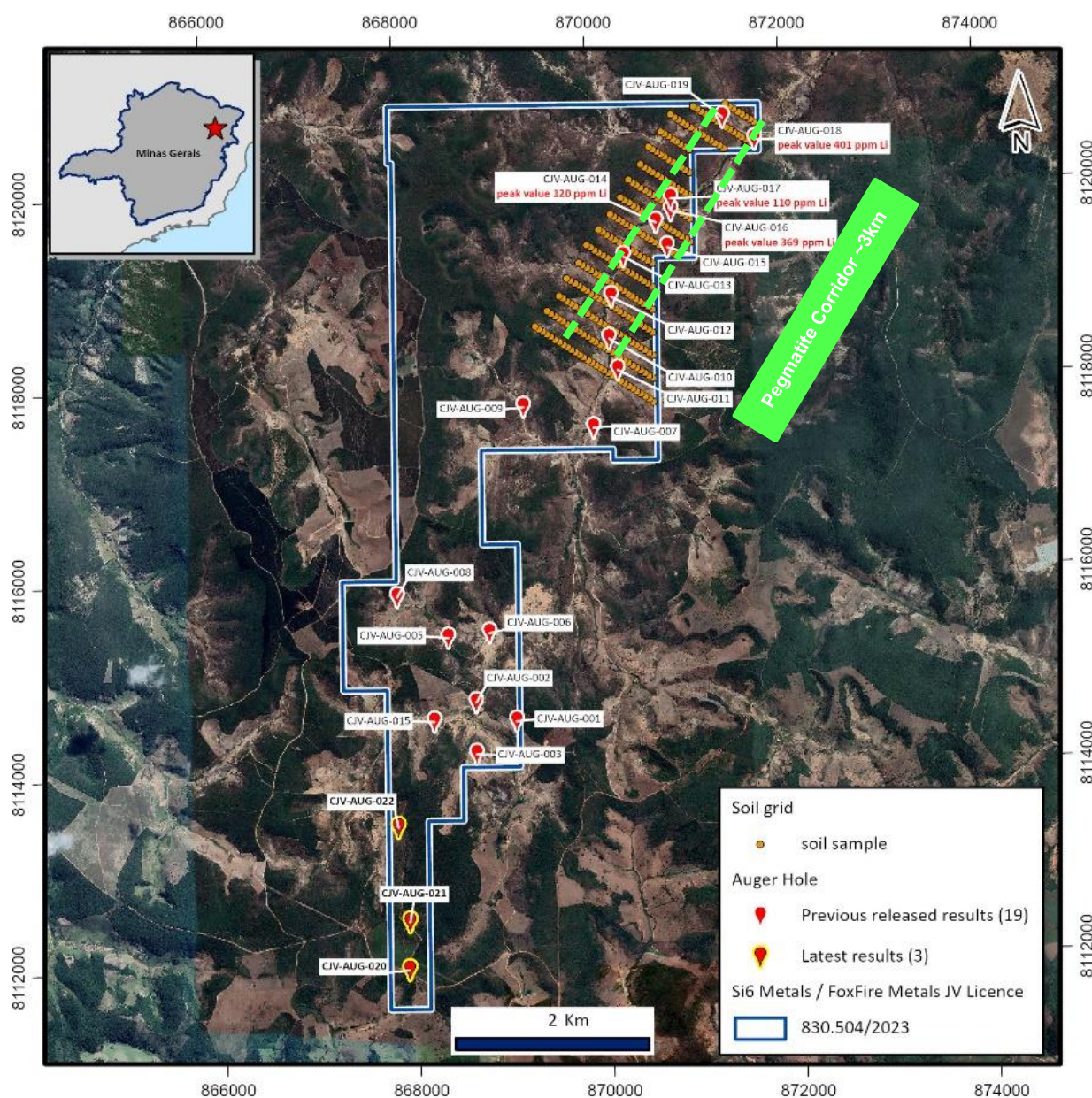


Figure 2: Mapped lithium pegmatite corridor (green lines) over soil and rock chip sampling program (orange) and previous lithium and REE auger drill holes at Padre Paraíso (red).



Figure 3: Rock sample CJV-001 (247 ppm Li – 695 ppm Rb - 107.7 ppm Cs)

### ***Caldera and Caldera South***

The Caldera and Caldera South REE projects are located at the Pocos de Caldas Alkaline Complex in south Minas Gerais, adjacent to Meteoric Resources NL and Viridis Mining and Metals Limited's high grade ionic adsorption clay (**IAC**) REE resources<sup>23</sup>. As released to the ASX on 21 June 2024, the auger drill programs returned high-grade shallow REE intercepts of up to 5,457ppm TREO and up to **1,931ppm NdPr**.

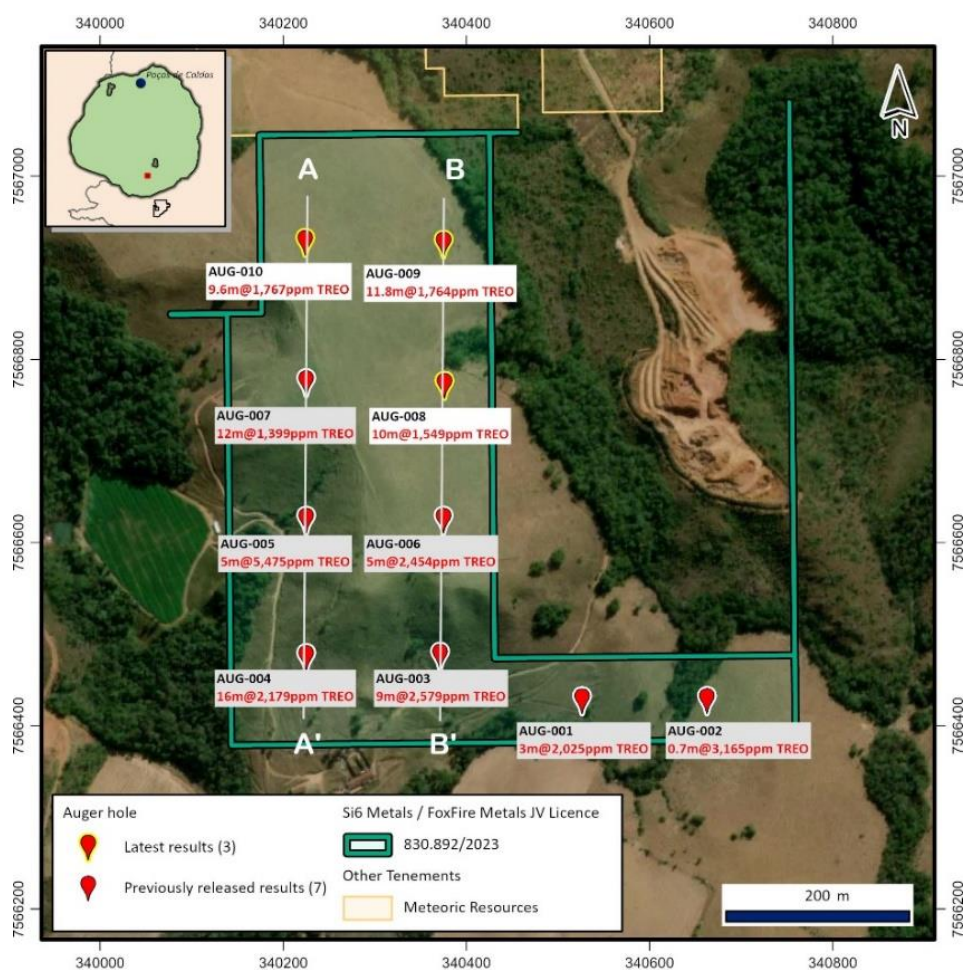
The Caldera project proved mineralisation continues to extend and are open at depth (refer Figure 4) with all drill holes ending in REE mineralisation. These results also revealed that the high-value Magnetic Rare Earths Oxides (**MREO**) that includes NdPr and DyTb represent up to 36% of the TREO distribution.

<sup>2</sup> ASX:MEI release 13 June 2024 "Capão do Mel Resource Update Doubles Caldeira Project Measured and Indicated Resources"

<sup>3</sup> ASX:VMM release 4 June 2024 "Globally Significant Maiden MRE for Colossus IAC Project"







**Figure 3: Location Map of the Caldera Project where 100% of holes drilled were mineralised from surface auger drilling (cutoff 1,000ppm TREO), adjacent to Meteoric Resources.**

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HOLE	From (m)	To (m)	Interval (m)	TREO ppm	Nd2O3 + Pr6O11 (ppm)	Dy2O3 + Tb4O7 (ppm)	MREO ppm	MREO / TREO
AND-AUG-001	0	4	4	2,025	421	19	440	22.3%
<i>including</i>	0	3	3	2,162	439	20	459	21.7%
AND-AUG-002	0	4.7	4.7	1,813	264	15	279	13.0%
<b><i>including</i></b>	<b>4</b>	<b>4.7</b>	<b>0.7</b>	<b>3,165</b>	<b>709</b>	<b>28</b>	<b>737</b>	<b>23.0%</b>
AND-AUG-003	0	9	9	2,579	672	34	706	25.6%
<b><i>including</i></b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>3,692</b>	<b>1,128</b>	<b>54</b>	<b>1,182</b>	<b>30.7%</b>
<b><i>with</i></b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>4,799</b>	<b>1,635</b>	<b>76</b>	<b>1,711</b>	<b>36.0%</b>
AND-AUG-004	0	16	16	2,719	640	23	663	29.8%
<b><i>including</i></b>	<b>11</b>	<b>15</b>	<b>4</b>	<b>2,984</b>	<b>969</b>	<b>29</b>	<b>997</b>	<b>33.5%</b>
AND-AUG-005	0	12	12	2,818	775	32	807	23.8%
<b><i>including</i></b>	<b>7</b>	<b>12</b>	<b>5</b>	<b>4,526</b>	<b>1,527</b>	<b>51</b>	<b>1,577</b>	<b>34.2%</b>
<b><i>with</i></b>	<b>8</b>	<b>10</b>	<b>2</b>	<b>5,475</b>	<b>1,931</b>	<b>58</b>	<b>1,989</b>	<b>36.0%</b>
AND-AUG-006	0	14	14	1,930	291	16	307	15.0%
<i>including</i>	6	11	5	2,454	453	22	475	19.0%
<b><i>with</i></b>	<b>6</b>	<b>8</b>	<b>2</b>	<b>3,036</b>	<b>611</b>	<b>25</b>	<b>636</b>	<b>21.0%</b>

Table 1: Significant mineralised REE intercepts at Caldera



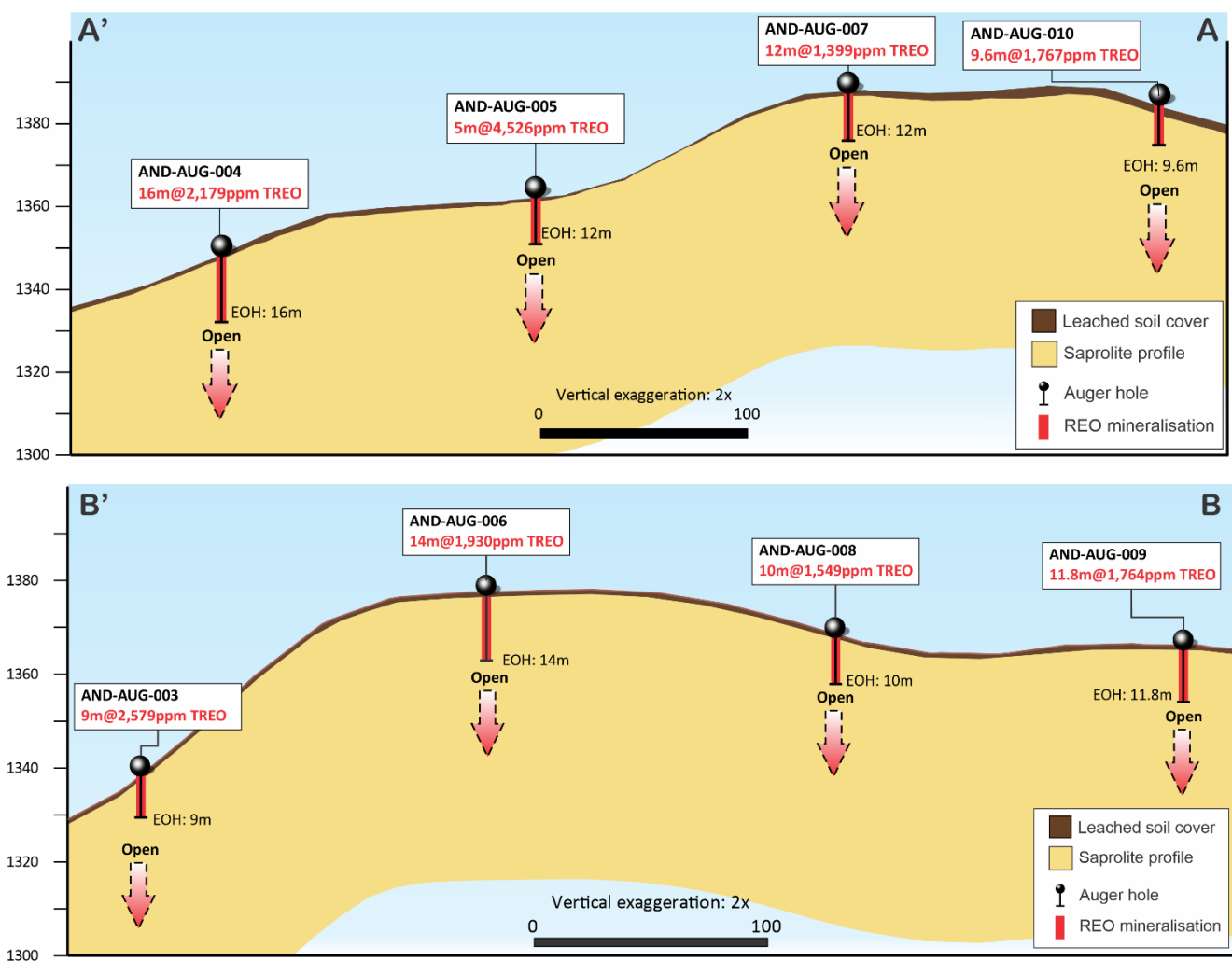


Figure 4: Representative cross-section of auger holes drilled inside the Poços de Caldas Caldera, showing high-grade TREO results and that holes end in mineralisation.



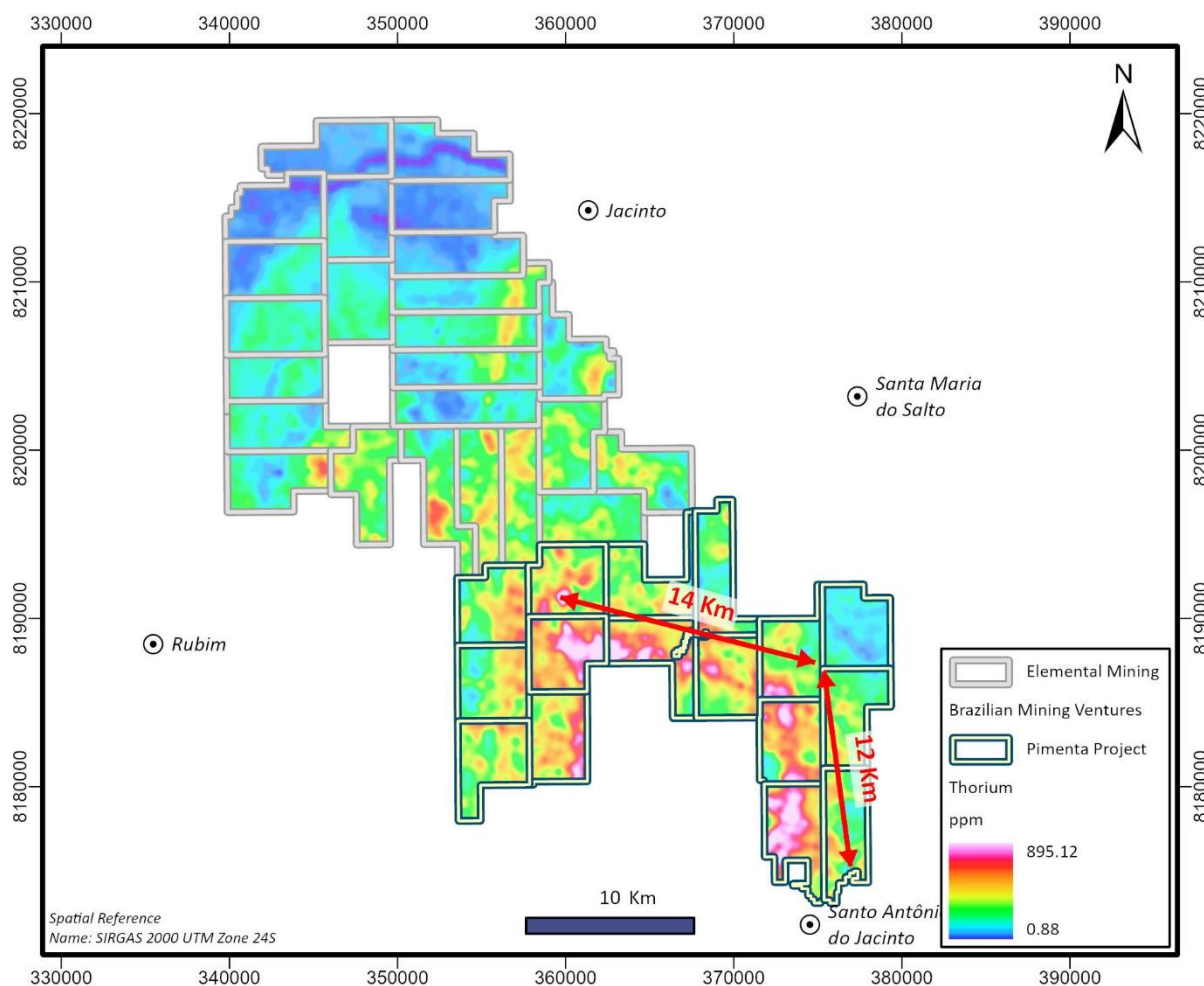


## Pimenta Project Acquisition

On 23 May 2024, the Company secured 16 licences covering 300km<sup>2</sup> in prospective REE licences in north-eastern Minas Gerais (**Pimenta Project**) under a 70% Si6 / 30% Foxfire Metals Pty Ltd Joint Venture. The Pimenta Project was secured via licence applications with the Agência Nacional de Mineração (**ANM**).

Initial desktop studies have revealed potential REE-rich allanite and IAC REE prospectivity over the project area, with over 26km of highly anomalous thorium radiometric strike identified. The thorium anomaly demonstrates a circular feature spanning at least 26km and also suggests a potential allanite zone response.

During the quarter, all 16 of the licences were granted for a period of three years and the Company is preparing a field program at Pimenta, expected to commence in the September 2024 quarter.



**Figure 5: The Pimenta Project (and neighbouring third-party project) over very strong thorium anomalies.**



## Botswana

On 16 May 2024, the Company announced that it was 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 PL covers 903km<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.

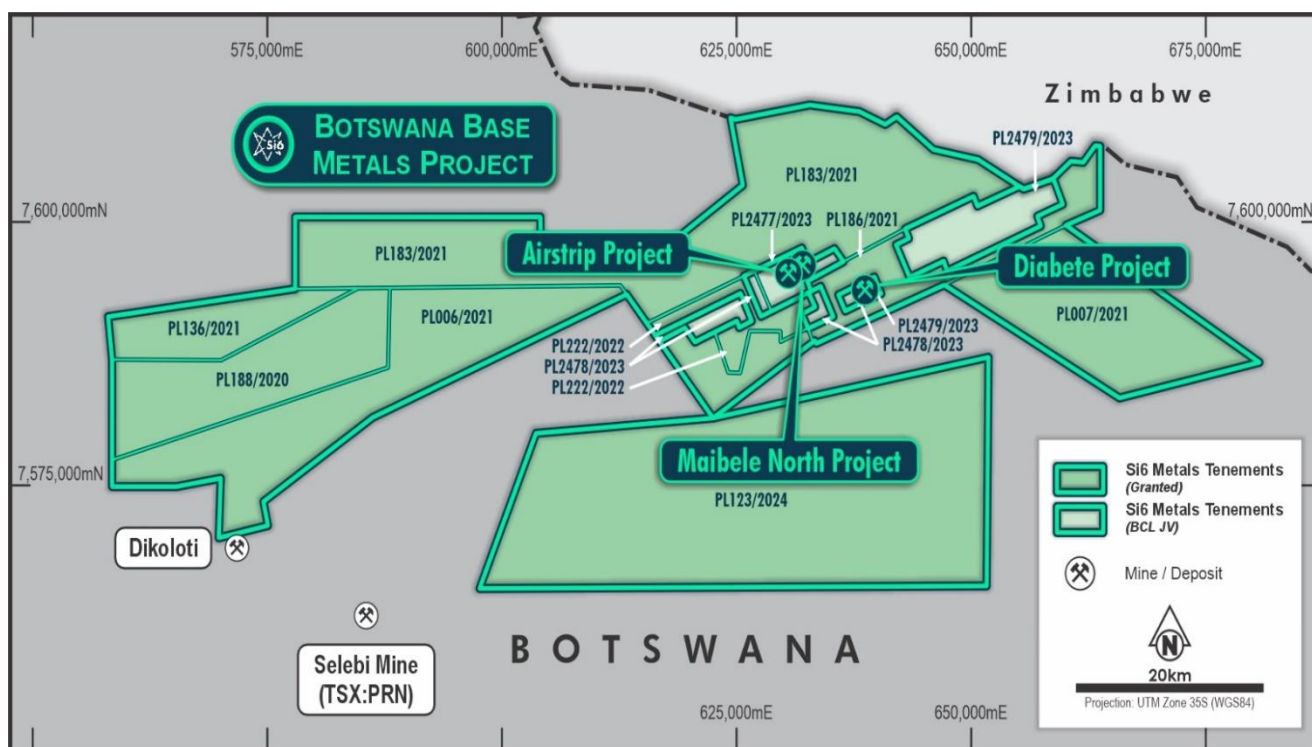


Figure 6: License map of Si6's licenses in Botswana and new EL granted PL123/2024





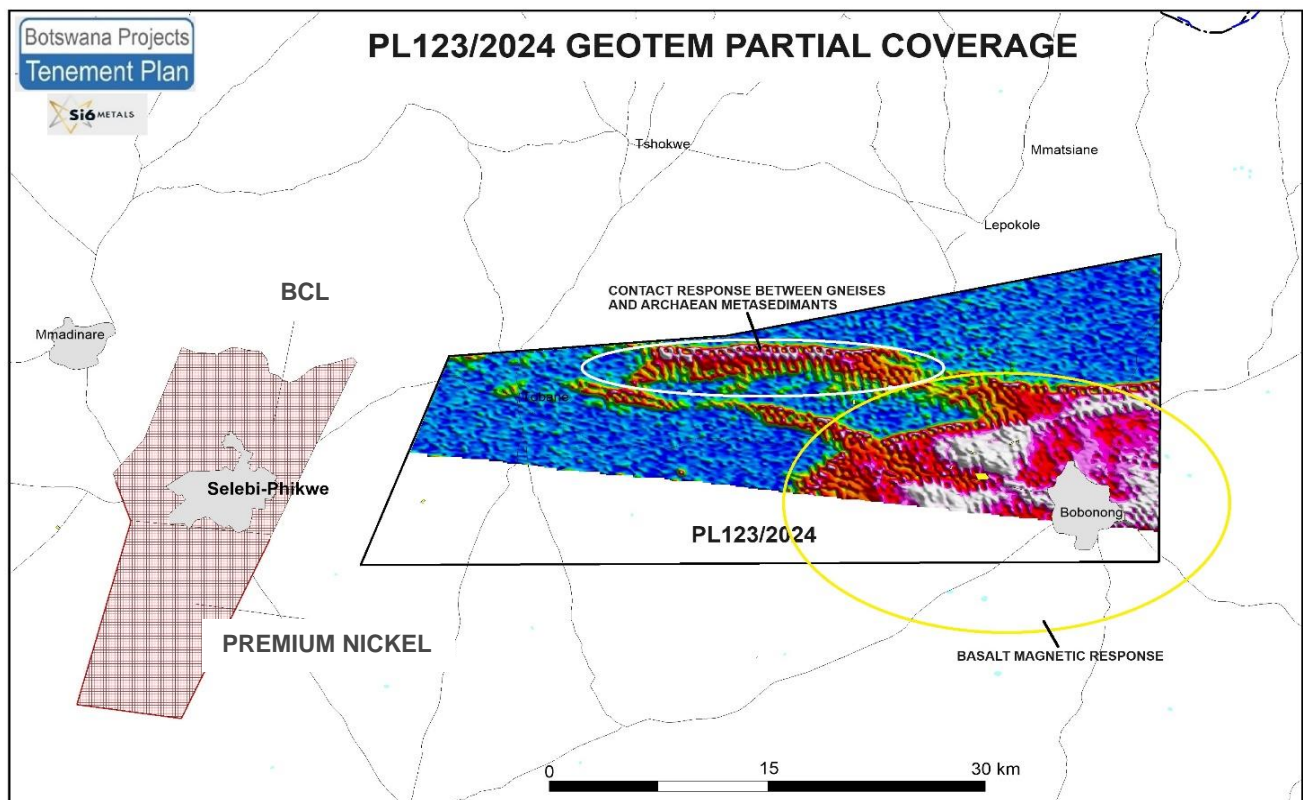


Figure 7: The tenement is located east atop the Zimbabwe Craton, a host of significant gold and copper/Nickel deposits as well as other metals and the Limpopo Mobile Belt, host to the Selebi Phikwe Tier 1 nickel-copper mine.

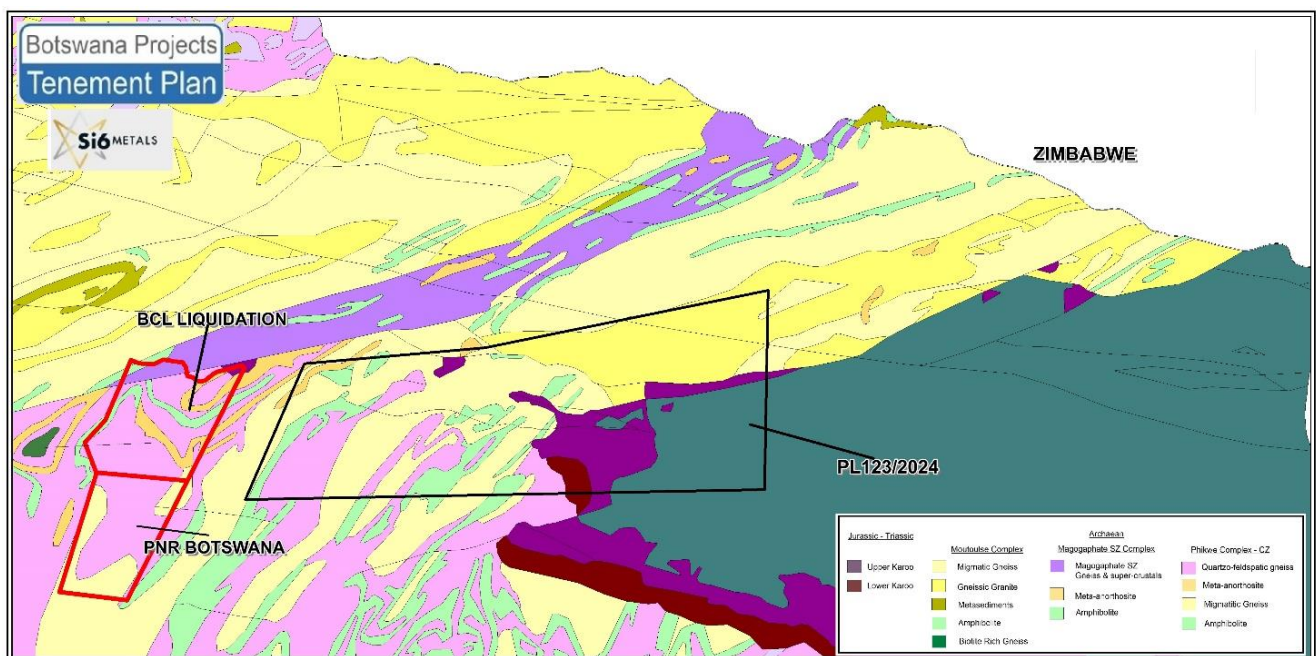


Figure 8: PL123/2024 shares similar geology and geological structures to Selebi Phikwe copper/nickel mine partially owned by Premium Nickel Resources Ltd (TSX-V PNRL) and BCL.



## Monument Gold – Western Australia

During the quarter, the Company continued its review of the Monument Gold Project (**Monument**) that covers 232km<sup>2</sup> and is located within the Laverton Gold District (Western Australia), which hosts numerous multi-million ounce gold mines, including Granny Smith, Wallaby and Sunrise Dam, and is directly adjacent to and along strike of Genesis Minerals' (ASX:GMD) Mt Morgan Project (~2.1Moz @ 2g/t Au).

Monument contains ~20km of relatively untested 'BIF style mineralisation'. Prospective stratigraphy is interpreted as the same unit that hosts the Westralia gold deposit. The Project is highly prospective for syenite intrusion-related mineralisation with >60 intrusives identified. It hosts walk up drill targets located at Fred's Well and North Well with significant, open-ended AC intercepts.

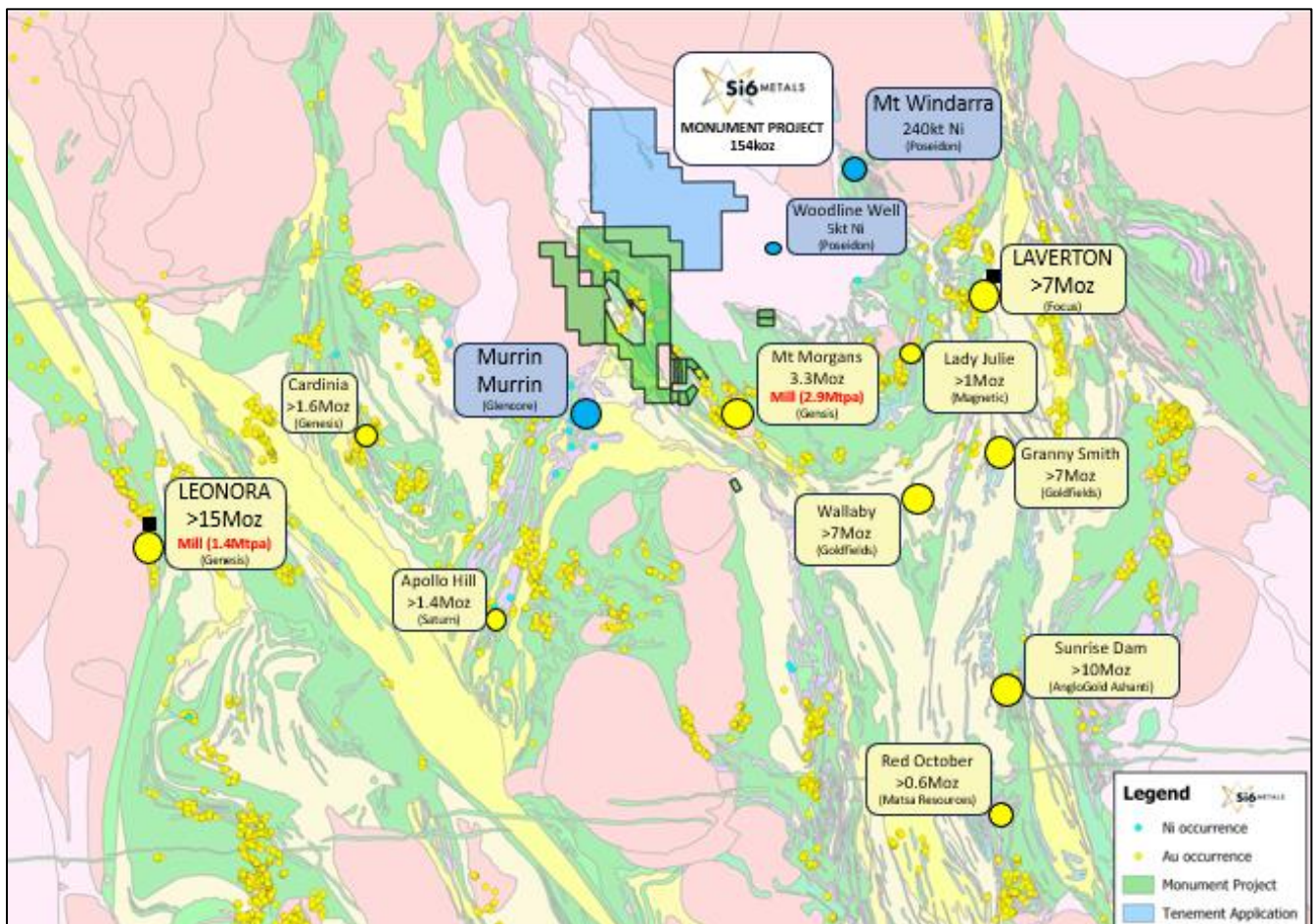


Figure 9: Monument Gold Project Location



## Fred's Well

The Company commenced a review of previous aircore drilling undertaken at the Fred's Well prospect (refer ASX release 19 December 2022). Previous aircore drilling had been undertaken at the north end of the northern group of workings on a 50m by 100m grid and consisted of shallow, vertical holes which appear to have missed the mineralised zone which projects to surface in between the historic drill collars (Figure 10).

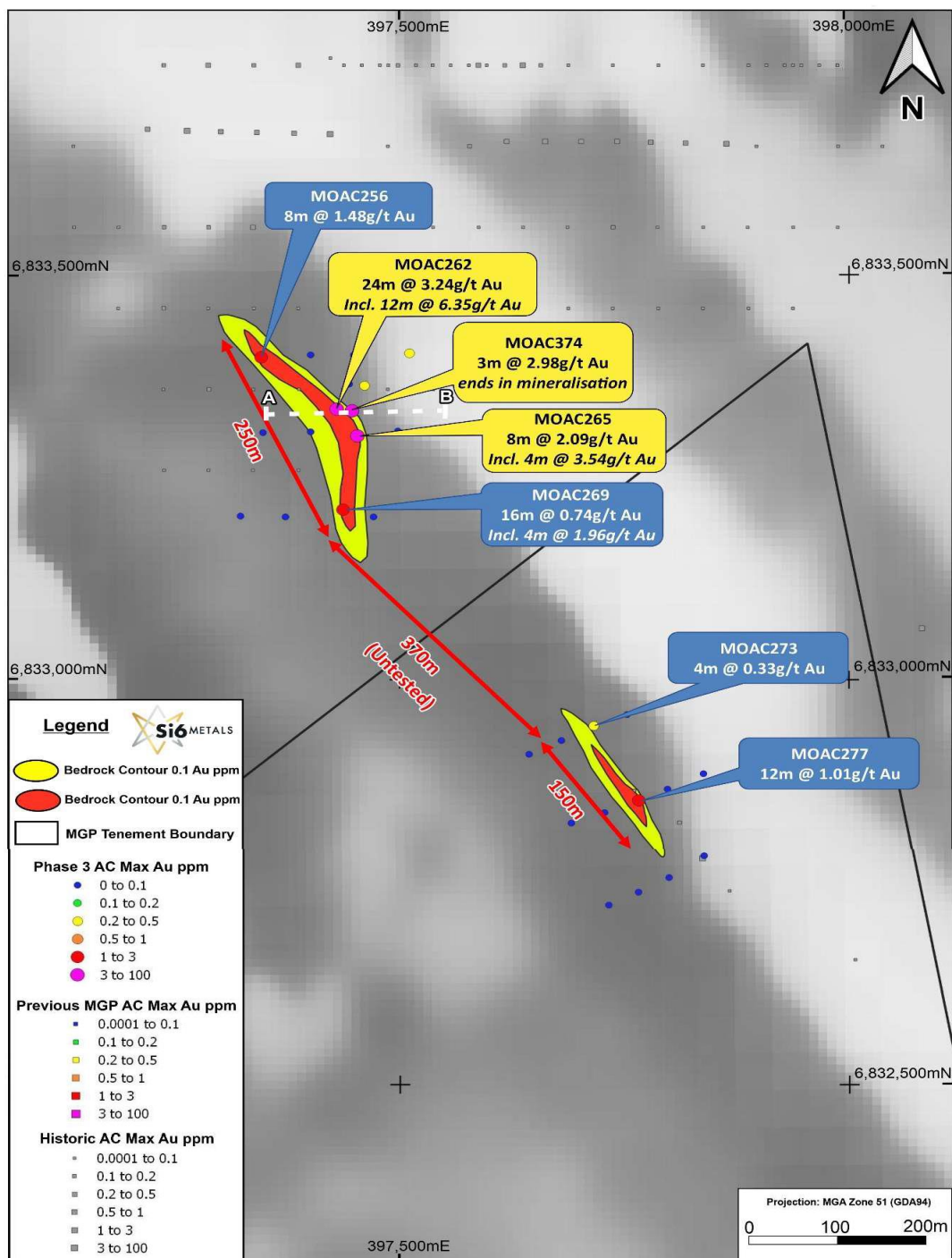


Figure 10. Fred's Well showing significant intercepts from aircore drilling.





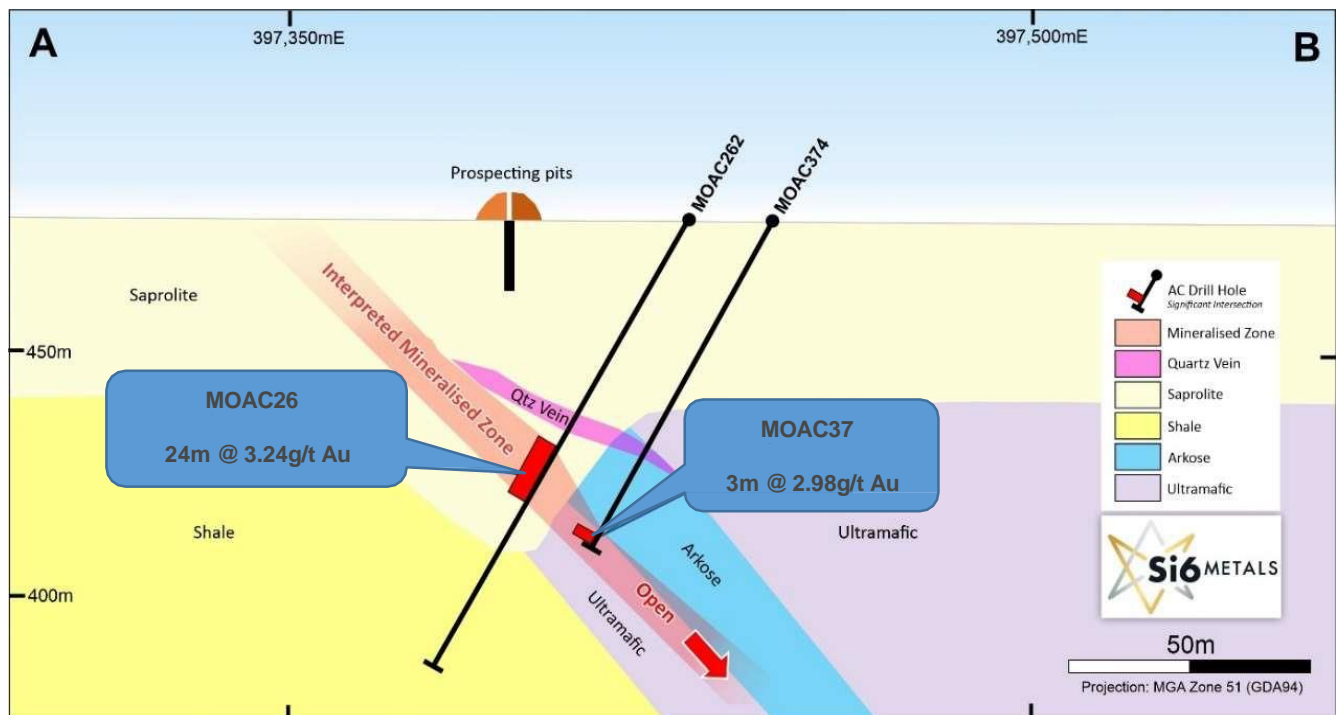


Figure 11. Fred's Well showing significant intercepts from aircore drilling.

Best drilling intersections at Fred's Well include:

- **24m @ 3.24g/t Au** (MOAC262 from 44m) including **12m @ 6.35g/t Au**;
- **8m @ 2.09g/t Au** (MOAC265 from 40m);
- **8m @ 1.48g/t Au** (MOAC256 from 36m);
- **12m @ 1.01g/t Au** (MOAC277 from 20m); and
- **3m @ 2.98g/t Au** (MOAC374 from 72m) **ending in mineralisation**

Drill hole MOAC374 was abandoned at 75m depth due to the rods becoming bogged in weathered ultramafic and the hole ended in mineralisation (Figure 11). In the southern portion of Fred's Well, the occurrence of felsic porphyry increases. Hole MOAC277 intersected significant mineralisation associated with a 200m strike length of historic workings, which are located along the eastern contact of sediments and an interpreted 40m wide porphyry unit. These drilling results indicate the presence of multiple mineralised contacts associated with a ~100m wide stratigraphic sequence, consisting of ultramafics, felsic porphyry, mafic volcanics and sediments, which extend for a strike length of >400m. Elevated Ag, As, Ba, Bi, Cu and Mn with >20ppm As and >100ppm Cu associated with the anomalous gold mineralisation are indicative of hydrothermal mineralisation associated with high level intrusives and will also be used as pathfinder elements in surface geochemical sampling to plan future drilling programs.

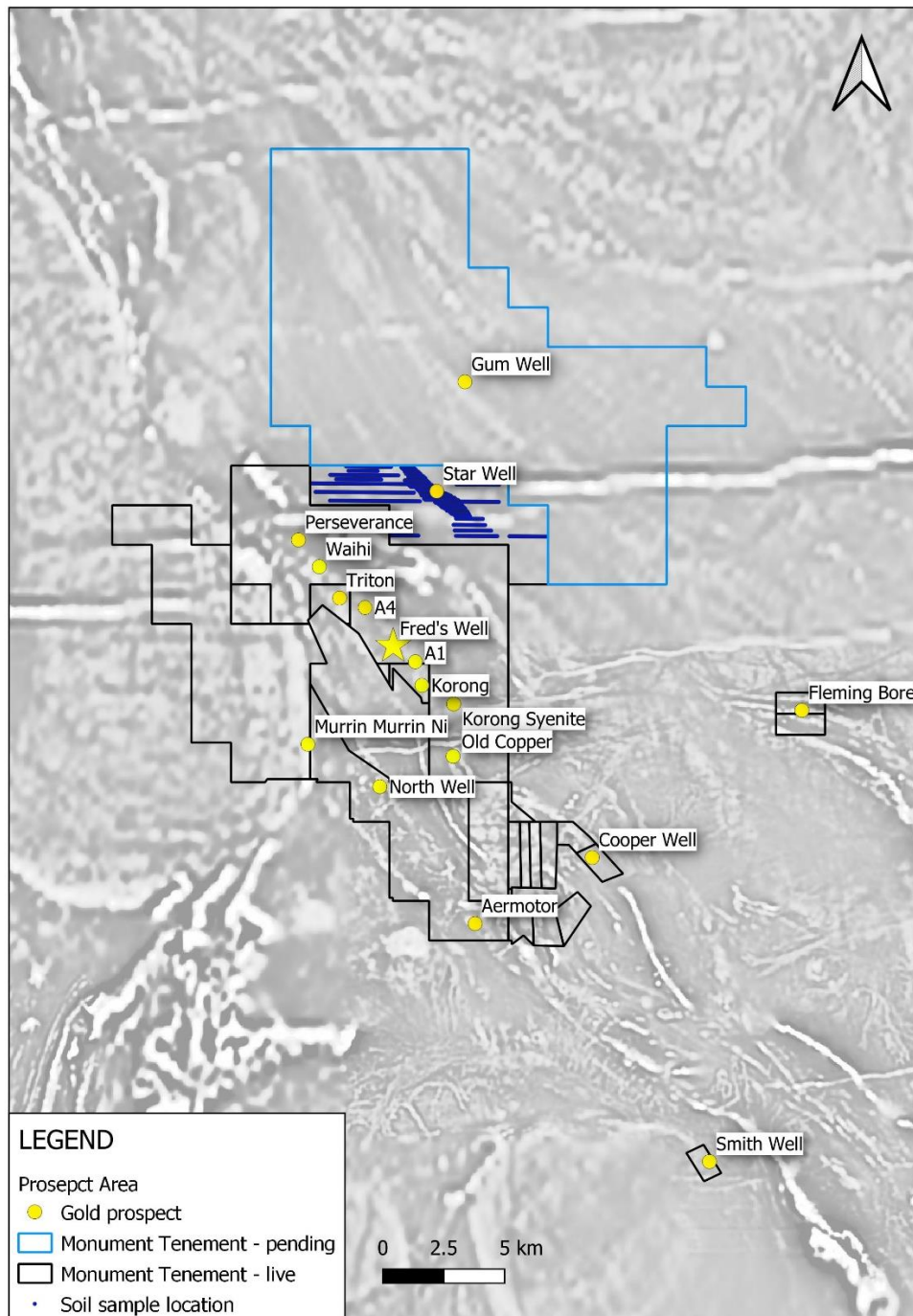




The Company is reviewing a program to test potential further mineralisation along strike.

## Star Well

At the end of the June quarter, the Company commenced a regional soil sampling program at the Star Well Prospect (E39/2035).



**Figure 12: Monument Prospects Map with Star Well soil sample locations (blue)**

Previous lag sampling at Star Well highlighted an anomalous trend along the interpreted strike of the outcropping mineralised BIF up to 1km in length returning assay grades of up to 29ppb Au (with associated Ag anomalism). Mapping and rock chip sampling has highlighted an additional trend of outcropping chert/BIF stratigraphy to the west with quartz veining with coincident Bi, Te and Cu anomalism.

The sampling program comprises regional lag samples and fine fraction soil samples across 57 lines and aims to:

- (a) follow up on an anomalous gold BIF trend: and
- (b) test previously untested magnetic anomalies.

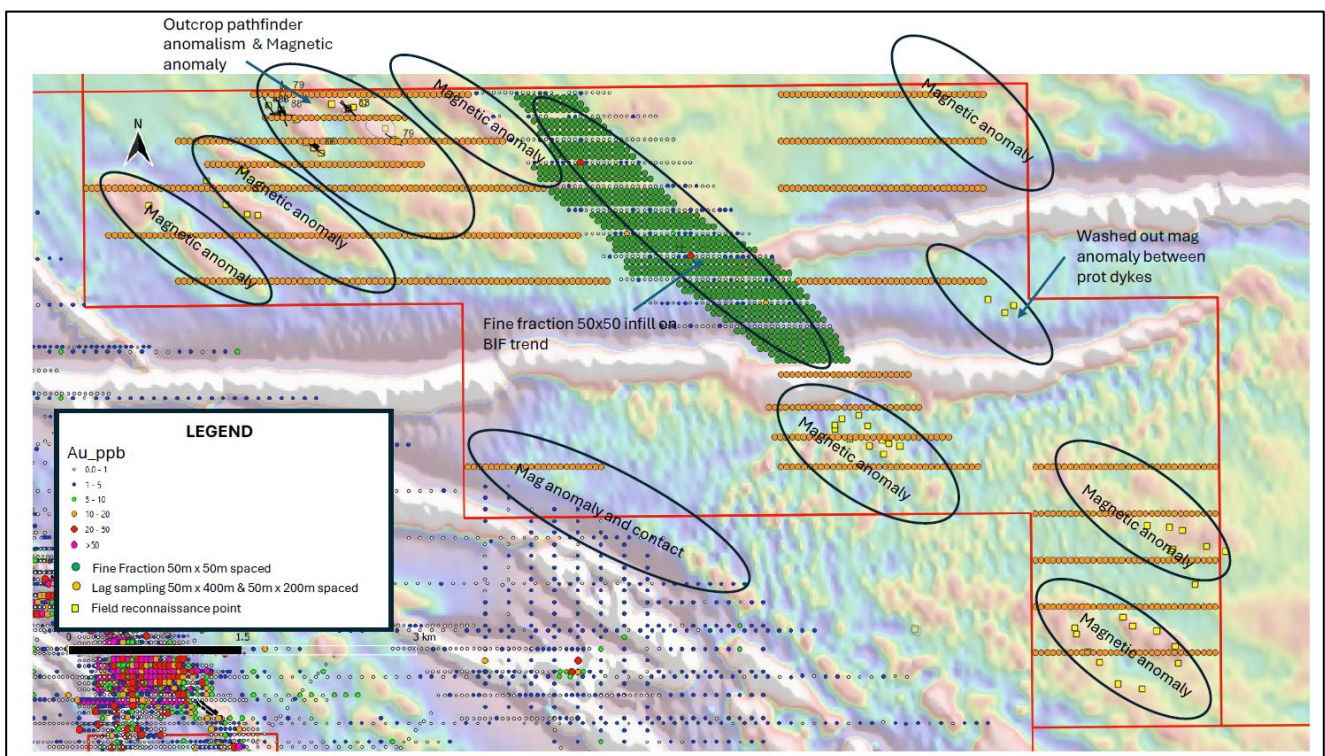


Figure 13: Soil sampling program at Star Well EL39/2035

Si6 is currently investigating a range of options to further advance the Monument Gold Project.

## Warden's Court

On 17 May 2024, the Perth Warden's Court dismissed an application by Camin Resources Pty Ltd (**Camin**) for 10 Prospecting Licences (39/6390 – 6399), tenements which Monument Pty Ltd, a 100% owned subsidiary of the Company, had made an application to amalgamate with its surrounding tenements. The order is subject to a judicial review period that expires on 27 November 2024.





## Corporate

### ***Board Changes***

During the Quarter, the Company announced that Dr Paul Woolrich agreed to join the Board of the Company as Non-Executive Director on 27 May 2024.

Dr Woolrich brings over 50 years' experience in the international exploration and mining industry covering the entire suite of the Company's asset portfolio including gold, rare earth elements, lithium, base metals (including nickel & copper and platinum group elements), uranium and coal and has led maiden discoveries in Africa (including Botswana), Brazil and Australia. Previously, Dr Woolrich has held senior positions with A-Cap Resources (now Lotus Resources ASX:LOT), WMC Resources, Ranger Minerals, Orion Resources, Gallery Gold, Platmin Ltd and Botswana Metals (now Si6).

At WMC he oversaw the Geological Research lab based at Kambalda Nickel Mines focussed on both geological and metallurgical issues. In 1990, he led the team that discovered the 4moz Damang Gold Mine in Ghana for Ranger Minerals and this mine is still operating today. In 2005-6 he was the Project Manager in charge of the feasibility of the Pilanesberg PGE Project in South Africa for Platmin S.A. This mine is still operating today.

Since 2000, Dr Woolrich has acted as an independent Consultant and Director to the exploration and mining industry for several clients including Perilya Ltd, Boyton Investments SA, Botswana Metals Ltd (now Si6) as a Non-Executive Director from 2007 until 2018, was a Director of A-Cap Resources from 2007—2018, was Chairman of Minergy Ltd which developed the Masama Coal Mine in Southern Botswana in late 2019 supplying Botswana, South Africa and some of the European coal market

Dr Woolrich was previously involved with, and has significant knowledge of, Si6's Botswana projects and has also been involved in the acquisition and exploration of the portfolio of licenses that now form Si6's Brazilian JV with Foxfire Metals Pty Ltd.

Mr Jim Malone and Mr Cain Fogarty resigned from the Board of Si6 on 30 May 2024 and 14 May 2024 respectively to pursue other interests.





## ***Amended Joint Venture Terms***

During the quarter the Company agreed with Foxfire Metals Pty Ltd to amend the Brazilian joint venture on favourable terms to the Company whereby any new projects acquired by the Company, its wholly-owned subsidiary Brazilian Ventures Pty Ltd (**Brazilian Ventures**) or its wholly-owned subsidiary in Brazil, Brazilian Mining Ventures Ltda, will be incorporated into the joint venture on the basis that Si6 will hold a 70% and Foxfire 30% JV interest in acquired projects (previously 50% Brazilian Ventures, 50% Foxfire). Additionally, any expenditure incurred on new projects acquired will be included as part of the minimum \$1 million expenditure commitment in the first 12 months of the joint venture.

## **Additional ASX Information**

*As at 30 June 2024 or for the quarter ending 30 June 2024 where applicable.*

### **ASX Listing Rule 5.3.1**

Exploration and Evaluation during the quarter was \$538,039 being \$261,467 on field exploration in Botswana, \$185,256 on field exploration in Brazil and \$91,361 on field exploration in Western Australia.

### **ASX Listing Rule 5.3.2**

There was no substantial mining production and development activities during the quarter.

### **ASX Listing Rule 5.3.5**

During the period, the Company paid \$112,631 to related parties, these payments were made to directors of Si6 for salaries and director's fees, on normal commercial terms.



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## Tenement schedule- Botswana

PL	STATUS	DATE ISSUED	EXPIRY DATE	PERCENTAGE HOLDING (%)	SIZE (SQKM)
PL2477/2023	ACTIVE	1-Apr-23	31-Mar-26	65	27.4
PL2478/2023	ACTIVE	1-Apr-23	31-Mar-26	65	35.8
PL2479/2023	ACTIVE	1-Apr-23	31-Mar-26	65	79.4
PL136/2021	ACTIVE	1-Oct-21	30-Sep-24	100	96.5
PL183/2021	ACTIVE	1-Jan-22	31-Dec-24	100	652.0
PL186/2020	PENDING RENEWAL	1-Jan-21	31-Dec-23	100	100.5
PL188/2020	PENDING RENEWAL	1-Jan-21	31-Dec-23	100	210.7
PL006/2021	ACTIVE	1-Jul-21	30-Jun-24	100	460.6
PL007/2021	ACTIVE	1-Jul-21	30-Jun-24	100	256.7
PL222/2022	ACTIVE	1-Oct-22	30-Sep-25	100	45.6
PL123/2024	ACTIVE	1-Apr-23	31-Mar-26	100	903.1
				<b>TOTAL AREA</b>	<b>2,868.3</b>

## Tenement schedule- Brazil

Permit	Location (Prospect)	Expiry	Substance / Resource	Holder / Applicant	Percentage Holding (%)
880.112/ 2020	Amazon – Apui	01/10/2024	Gold Ore	Brazilian Mining Ventures Ltda	50%
800.848/ 2022	Ceara – Pedra Branca	22/02/2026	Platinum Ore Gold Ore	Brazilian Mining Ventures Ltda	50%
800.849/ 2022	Ceara – Pedra Branca	19/03/2027	Platinum Ore Gold Ore	Foxfire Metals Ltda	50%
830.390/ 2023	Minas Gerais – Lithium Valley (Berizal)	31/05/2026	Lithium Ore	Foxfire Metals Ltda	50%
830.494/ 2023	Minas Gerais – Lithium Valley (Pedra Azul Granite)	03/04/2026	Lithium Ore	Foxfire Metals Ltda	50%
831.074/ 2023	Minas Gerais – Lithium Valley (Curral De Dentro)	07/28/2026	Lithium Ore	Foxfire Metals Ltda	50%
830.504/ 2023	Minas Gerais – Lithium Valley (Caladão)	03/04/2026	Lithium Ore Rare Earths	Foxfire Metals Ltda	50%
832.540/ 2022	Minas Gerais – Lithium Valley (Virgem da Lapa)	07/02/2026	Lithium Ore	Foxfire Metals Ltda	50%
831.091/ 2023	Minas Gerais – Andradas (Caldera Project)	31/05/2026	Rare Earths	Foxfire Metals Ltda	50%
830.892/ 2023	Minas Gerais – Andradas (Caldera Project)	28/02/2027	Rare Earths	Foxfire Metals Ltda	50%
830379/2024	Minas Gerais – (Pimeta Project)	24/05/2027	Rare Earths/Lithium	Brazilian Mining Ventures Ltda	70%



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<b>830381/2024</b>	Minas Gerais – (Pimeta Project)	24/05/2027	Rare Earths/Lithium	Brazilian Mining Ventures Ltda	<b>70%</b>
<b>830382/2024</b>	Minas Gerais – (Pimeta Project)	24/05/2027	Rare Earths/Lithium	Brazilian Mining Ventures Ltda	<b>70%</b>
<b>830385/2024</b>	Minas Gerais – (Pimeta Project)	24/05/2027	Rare Earths/Lithium	Brazilian Mining Ventures Ltda	<b>70%</b>
<b>830386/2024</b>	Minas Gerais – (Pimeta Project)	24/05/2027	Rare Earths/Lithium	Brazilian Mining Ventures Ltda	<b>70%</b>
<b>830387/2024</b>	Minas Gerais – (Pimeta Project)	24/05/2027	Rare Earths/Lithium	Brazilian Mining Ventures Ltda	<b>70%</b>
<b>830388/2024</b>	Minas Gerais – (Pimeta Project)	24/05/2027	Rare Earths/Lithium	Brazilian Mining Ventures Ltda	<b>70%</b>
<b>830389/2024</b>	Minas Gerais – (Pimeta Project)	24/05/2027	Rare Earths/Lithium	Brazilian Mining Ventures Ltda	<b>70%</b>
<b>830391/2024</b>	Minas Gerais – (Pimeta Project)	24/05/2027	Rare Earths/Lithium	Brazilian Mining Ventures Ltda	<b>70%</b>
<b>830392/2024</b>	Minas Gerais – (Pimeta Project)	24/05/2027	Rare Earths/Lithium	Brazilian Mining Ventures Ltda	<b>70%</b>
<b>830393/2024</b>	Minas Gerais – (Pimeta Project)	24/05/2027	Rare Earths/Lithium	Brazilian Mining Ventures Ltda	<b>70%</b>
<b>830394/2024</b>	Minas Gerais – (Pimeta Project)	24/05/2027	Rare Earths/Lithium	Brazilian Mining Ventures Ltda	<b>70%</b>
<b>830395/2024</b>	Minas Gerais – (Pimeta Project)	24/05/2027	Rare Earths/Lithium	Brazilian Mining Ventures Ltda	<b>70%</b>
<b>830396/2024</b>	Minas Gerais – (Pimeta Project)	24/05/2027	Rare Earths/Lithium	Brazilian Mining Ventures Ltda	<b>70%</b>
<b>830397/2024</b>	Minas Gerais – (Pimeta Project)	24/05/2027	Rare Earths/Lithium	Brazilian Mining Ventures Ltda	<b>70%</b>





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870268/2024	Minas Gerais – (Pimeta Project)	24/05/2027	Rare Earths/Lithium	Brazilian Mining Ventures Ltda	70%
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## Tenement Schedule- Western Australia

Tenement	Expiry Date	Comment	Percentage Holding (%)
E39/1846	16/06/2025	Active	100%
E39/1866	1/02/2027	Active	100%
E39/2024	2/07/2028	Active	100%
E39/2035	2/07/2028	Active	100%
E39/2036	2/07/2028	Active	100%
E39/2139	21/07/2025	Active	100%
E39/2394	-	Pending Application	100%
P39/5837	30/10/2026	Active	100%
P39/5855	3/07/2027	Active	100%
P39/5880	15/05/2027	Active	100%
P39/5899	1/10/2026	Active	100%
P39/5910	30/10/2026	Active	100%
P39/6051	6/04/2024	Active	100%
P39/6052	6/04/2024	Active	100%
P39/6053	6/04/2024	Active	100%
P39/6054	5/08/2024	Active	100%
P39/6055	1/12/2024	Active	100%
P39/6056	1/12/2024	Active	100%
P39/6057	2/12/2024	Active	100%
P39/6058	2/12/2024	Active	100%

### The mining tenement interests acquired or relinquished during the quarter and their location

The Company was granted tenement PL 123/2024 during the quarter (Botswana).

The Company acquired the Pimenta Project comprising 16 tenements (refer Tenement Schedule – Brazil).

### Beneficial percentage interests held in farm-in or farm-out agreements at the end of the quarter

Si6, via its wholly-owned subsidiary African Metals (Pty) Limited, holds a 66% interest in Prospecting Licences PL2477/2023, PL2478/2023 and PL2479/2023. The remaining 34% is held by BCL.

Si6, owns 50% of the shares in Brazillian Ventures Pty Ltd, which owns a portfolio of exploration licences in Brazil. The remaining 50% is owned by Foxfire Metals Pty Ltd.

### Beneficial percentage interests in farm-in or farm-out agreements acquired or disposed of during the quarter



The Company acquired the Pimenta Project in Minas Gerais, Brazil whereby Si6 holds a 70% joint venture interest in the project (30% Foxfire Metals Pty Ltd).

## Additional Tenement Information

African Metals (Pty) Ltd and Monument Exploration Pty Ltd are wholly owned subsidiaries of the Company. Minerals Holdings (Botswana) Pty Ltd holds a 5% net profit share interest in Prospecting Licences PL2477/2023, PL2478/2023 and PL2479/2023.

Brazilian Mining Ventures Pty Ltd is owned 50% by Si6 and 50% by Foxfire Metals Pty Ltd. Brazilian Mining Ventures Ltda (Brazil) is a wholly owned subsidiary of Brazilian Mining Ventures Pty Ltd.

**This announcement has been approved by the Board of Si6 Metals Ltd.**

## Contacts

**For further information, please contact:**

**Ian Kiers**

*Non-Executive Chairman*

[info@si6metals.com](mailto:info@si6metals.com)

## 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. 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. The Company also owns 70% of the Pimenta Project, a potential large-scale REE project in eastern Minas Gerais.

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).

## 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.

## Maibele North, Botswana, Resource Information

Maibele North Inferred Resource							
Tonnes (Mt)	Ni (%)	Cu (%)	Pt (g/t)	Pd (g/t)	Rh (g/t)	Ru (g/t)	Au (g/t)
2.38	0.72	0.21	0.08	0.36	0.04	0.05	0.10

Table 1. Inferred Resource calculated by MSA South Africa in 2015 to JORC 2012 compliance (at a 0.30% Nickel cut-off grade).  
See ASX release 28 April 2015, "Maiden Inferred Resource for Maibele North".

## Monument Gold Project, Western Australia, Resource Information

Korong Resource			
Deposit	Tonnes	Grade (g/t)	Au Ounces
Korong	3,034,000	1.4	139,000
Waihi	223,000	2.1	15,000
Total	3,257,000	1.4	154,000

Table 2: JORC-compliant (2012) Inferred Resource was calculated at Korong and Waihi by CSA Global Pty Ltd in 2021 (see Table 2) using a 0.5g/t cut-off grade. See ASX announcement on 2 August 2021 "Mineral Resource Estimate Declared for Monument Gold Project".





## Appendix 5B

### Mining exploration entity or oil and gas exploration entity quarterly cash flow report

Name of entity

Si6 Metals Limited

ABN

96 122 995 073

Quarter ended ("current quarter")

30 June 2024

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (12 months) \$A'000
<b>1.</b>	<b>Cash flows from operating activities</b>		
1.1	Receipts from customers	-	-
1.2	Payments for		
	(a) exploration & evaluation	(381)	(2,766)
	(b) development	-	-
	(c) production	-	-
	(d) staff costs	(204)	(612)
	(e) administration and corporate costs	(249)	(1,144)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	6	21
1.5	Interest and other costs of finance paid	-	-
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	-	-
1.8	Other (GST & FBT refunds)	29	170
<b>1.9</b>	<b>Net cash from / (used in) operating activities</b>	<b>(799)</b>	<b>(4,331)</b>
<b>2.</b>	<b>Cash flows from investing activities</b>		
2.1	Payments to acquire or for:		
	(a) entities	-	-
	(b) tenements	(33)	(143)
	(c) property, plant and equipment	(1)	(126)
	(d) exploration & evaluation	-	-
	(e) investments	-	-
	(f) other non-current assets	-	-

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (12 months) \$A'000
2.2	Proceeds from the disposal of:		
	(a) entities	-	-
	(b) tenements	-	-
	(c) property, plant and equipment	-	-
	(d) investments	-	55
	(e) other non-current assets	-	-
2.3	Cash flows from loans to other entities	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other (provide details if material)	-	-
<b>2.6</b>	<b>Net cash from / (used in) investing activities</b>	<b>(34)</b>	<b>(214)</b>

<b>3.</b>	<b>Cash flows from financing activities</b>		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	4,478
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	(67)	(263)
3.5	Proceeds from borrowings	-	31
3.6	Repayment of borrowings	(12)	(12)
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	-	-
<b>3.10</b>	<b>Net cash from / (used in) financing activities</b>	<b>(79)</b>	<b>4,234</b>

<b>4.</b>	<b>Net increase / (decrease) in cash and cash equivalents for the period</b>		
4.1	Cash and cash equivalents at beginning of period	1,188	614
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(799)	(4,331)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(34)	(214)
4.4	Net cash from / (used in) financing activities (item 3.10 above)	(79)	4,234

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (12 months) \$A'000
4.5	Effect of movement in exchange rates on cash held	(5)	(32)
4.6	<b>Cash and cash equivalents at end of period</b>	271	271
4.7	<b>Investments in Listed Entities</b>	-	-
4.8	<b>Total Cash and cash equivalents plus Investments in Listed Entities at end of period</b>	271	271

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter \$A'000	Previous quarter \$A'000
5.1	Bank balances	271	1,188
5.2	Call deposits	-	-
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	<b>Cash and cash equivalents at end of quarter (should equal item 4.6 above)</b>	271	1,188

6.	Payments to related parties of the entity and their associates	Current quarter \$A'000
6.1	Aggregate amount of payments to related parties and their associates included in item 1	(182)
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-
<i>Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments.</i>		
6.1	Director and consulting fees paid to Directors and/or Director related entities	\$182,066



## Mining exploration entity or oil and gas exploration entity quarterly cash flow report

7.	<b>Financing facilities</b> <i>Note: the term "facility" includes all forms of financing arrangements available to the entity. Add notes as necessary for an understanding of the sources of finance available to the entity.</i>	<b>Total facility amount at quarter end</b>	<b>Amount drawn at quarter end</b>
		<b>\$A'000</b>	<b>\$A'000</b>
7.1	Loan facilities	19	19
7.2	Credit standby arrangements	-	-
7.3	Other (please specify)	-	-
7.4	<b>Total financing facilities</b>	19	19
7.5	<b>Unused financing facilities available at quarter end</b>		-
7.6	Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.		
	Unsecured Insurance Loan Facility Lender: Attvest Finance Pty Ltd Interest Rate: 6.17% annually Term: 10 months (31 Mar to 31 Dec 2024)		

8.	<b>Estimated cash available for future operating activities</b>	<b>\$A'000</b>
8.1	Net cash from / (used in) operating activities (item 1.9)	(799)
8.2	(Payments for exploration & evaluation classified as investing activities) (item 2.1(d))	-
8.3	Total relevant outgoings (item 8.1 + item 8.2)	(799)
8.4	Cash and cash equivalents at quarter end (item 4.6)	271
8.5	Unused finance facilities available at quarter end (item 7.5)	-
8.6	Total available funding (item 8.4 + item 8.5)	271
8.7	<b>Estimated quarters of funding available (item 8.6 divided by item 8.3)</b>	0.34
	<i>Note: if the entity has reported positive relevant outgoings (ie a net cash inflow) in item 8.3, answer item 8.7 as "N/A". Otherwise, a figure for the estimated quarters of funding available must be included in item 8.7.</i>	
8.8	If item 8.7 is less than 2 quarters, please provide answers to the following questions:	
8.8.1	Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?	
	Answer: <b>No.</b> The expected level of administration and corporate costs will be reduced as the Company continues to take measures to conserve capital.	
8.8.2	Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?	
	Answer: The Company is constantly reviewing its options for raising further capital to fund its operations and, given recent encouraging exploration activities in Brazil and Botswana, anticipates being able to successfully raise further funds as and when required.	

8.8.3 Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?

Answer: Yes, the Company is carefully budgeting its future activities and is confident in its capacity to raise funds when required. The expected level of administration and corporate costs will be reduced as the Company continues to take measures to conserve capital. Subsequent to quarter-end, a company associated with Director, Mr Patrick Volpe, has advanced funds via a short-term working capital facility to assist with meeting ongoing working capital needs. The Directors and Director-related entities have agreed to the short term deferment of the payment of director fees and charges.

*Note: where item 8.7 is less than 2 quarters, all of questions 8.8.1, 8.8.2 and 8.8.3 above must be answered.*

## Compliance statement

- 1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.
- 2 This statement gives a true and fair view of the matters disclosed.

Date: 31 July 2024

Authorised by: The Board of Si6 Metals Limited  
(Name of body or officer authorising release – see note 4)

## Notes

1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.
2. If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, *AASB 6: Exploration for and Evaluation of Mineral Resources* and *AASB 107: Statement of Cash Flows* apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standards apply to this report.
3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.
4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [name of board committee – eg Audit and Risk Committee]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".
5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.