# BLAKALA DEPOSIT CONTINUES TO EXPAND WITH STEP OUT DRILLING

## HIGHLIGHTS

- **Main Blakala pegmatite now proven at over 1,000m of strike, still open to both north and south**
- **Drilling has commenced at adjacent West zone and has intersected stacked spodumene bearing pegmatites up to 66m thickness, with over 200m of strike and remains open in both directions**
- **BDFS17 extended through the stacked West zone pegmatite and intercepted the main Blakala pegmatite at 125m vertical depth, demonstrating the continuation of the main pegmatite, which remains open at depth**
- **BDFS19 intersected 6 mineralised pegmatites through the stacked West zone pegmatite and the main Blakala pegmatite**
- **A total of 2,300m from 19 diamond core drillholes of the 6,000m program at Blakala has been completed**
- **Visual estimates of up to 20% spodumene continue to be identified at Blakala**

First Lithium Ltd ("FL1", "Company") is pleased to announce the planned 6,000m diamond core drilling program at the Company's Blakala lithium prospect is progressing with completed drilling now totalling 2,300m, identifying over 911m of spodumene bearing pegmatite intersected[1].

Since the last drilling update (ASX:FL1 24/11/23[2]), five further diamond core drillholes have been completed at the Company's Blakala prospect including BDFS15, BDFS16, BDFS17, BDFS18 and BDFS19, with mineralisation identified in each of these drillholes (Figure 1).

## DETAILS - BLAKALA

Further to the highly promising pegmatite intersections observed in earlier drill holes (ASX:FL1 14/11/23[3]) and the high $Li_2O$ analytical results from channel sampling of outcrop on the main pegmatite at Blakala (ASX: FL1 04/12/23[4]), excellent pegmatite intersections continue to be identified in BDFS15 to BDFS19 with cumulative intersected thickness of 34.66m, 39.87m, 66.14m, 34.47m and 89.46m respectively (Figures 2 to 6)(Table 1) and spodumene mineralisation exhibited in all 19 drill holes to date. Visual spodumene content estimations range from <1% up to 20% (Table 2), with samples revealing an abundance of elongated, coarse to large crystals of light coloured spodumene (Figures 7 & 8).

*[1]This announcement contains references to visual results and visual estimates of mineralisation. FL1 advises there is uncertainty in reporting visual results. Visual estimates of mineral findings should not be considered a substitute for laboratory analysis where concentrations or grades are provided with scientific accuracy. Visual estimates also potentially provide no information regarding impurities or other factors relevant to mineral result valuations. The presence of pegmatite rock does not necessarily indicate the presence of Lithium mineralisation. Laboratory chemical assays are required to determine the grade of mineralisation.*

While drilling the western pegmatite, drill hole BDFS17 was extended to test for depth and intersected the main pegmatite at 125m vertical depth and confirmed mineralisation at depth. Similarly, BDFS19 was to conclude at 197.3m however continued to a depth of 325.5m identifying a further 41.67m of mineralised pegmatite.

588 drill core samples from BDFS01 to BDFS08 have been sent to SGS laboratory, South Africa for multi-elemental analysis with results from BDFS01 to BDFS03 due shortly, and the balance to follow once available.

Target Drilling has confirmed the upcoming availability of two further drill rigs and the Company has committed to mobilise these to site once available.

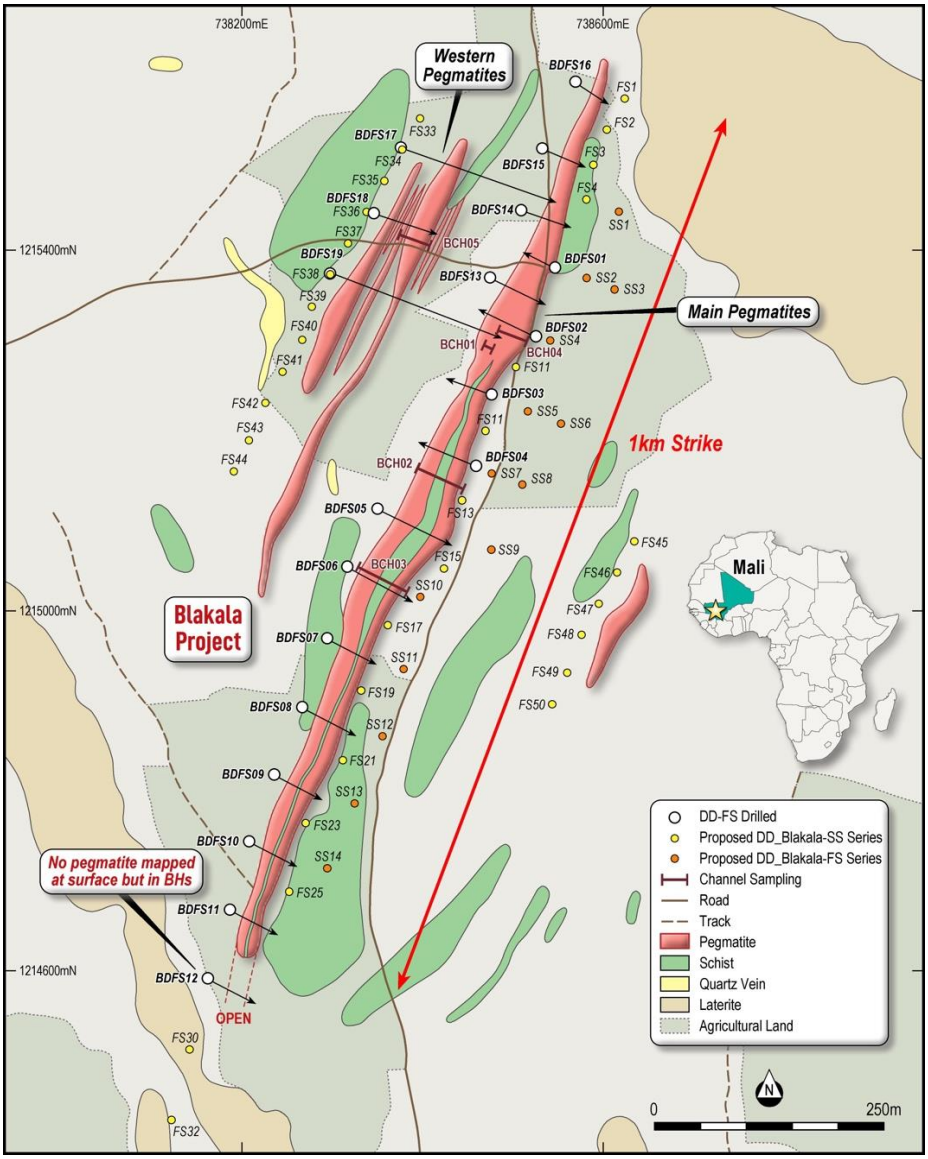


**Figure 1:** Locality of completed diamond drillholes (BDFS01 to BDFS19) at the Blakala prospect, location of pegmatite outcrop Channels (BCH01 to BCH05) .

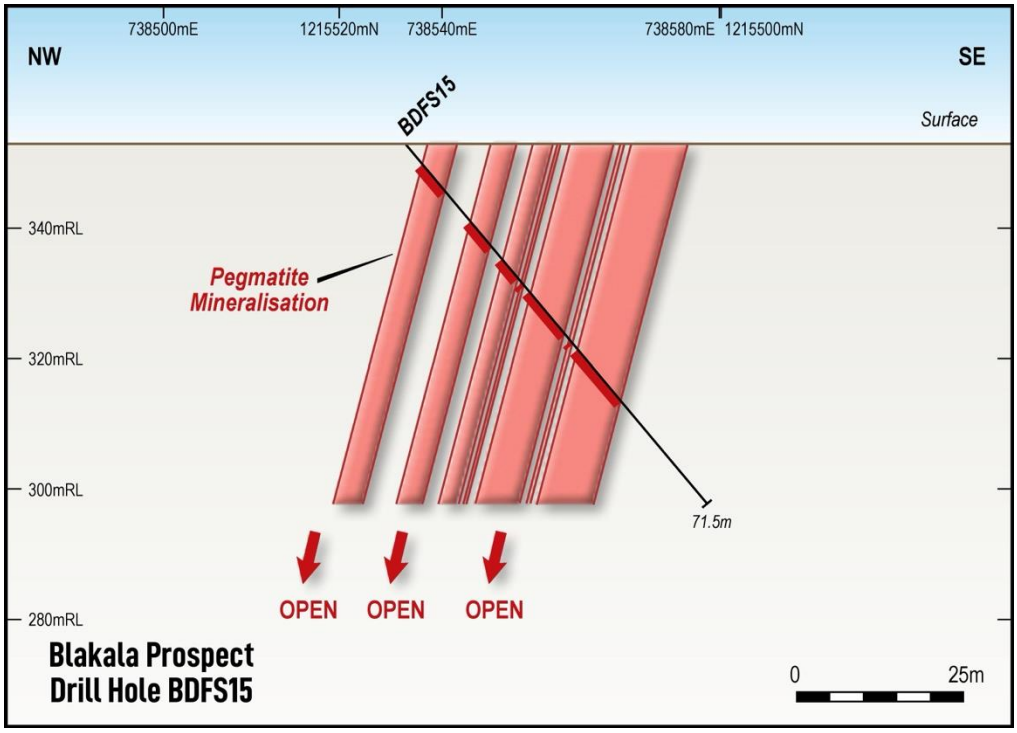


**Figure 2:** Cross Section of drill hole BDFS15

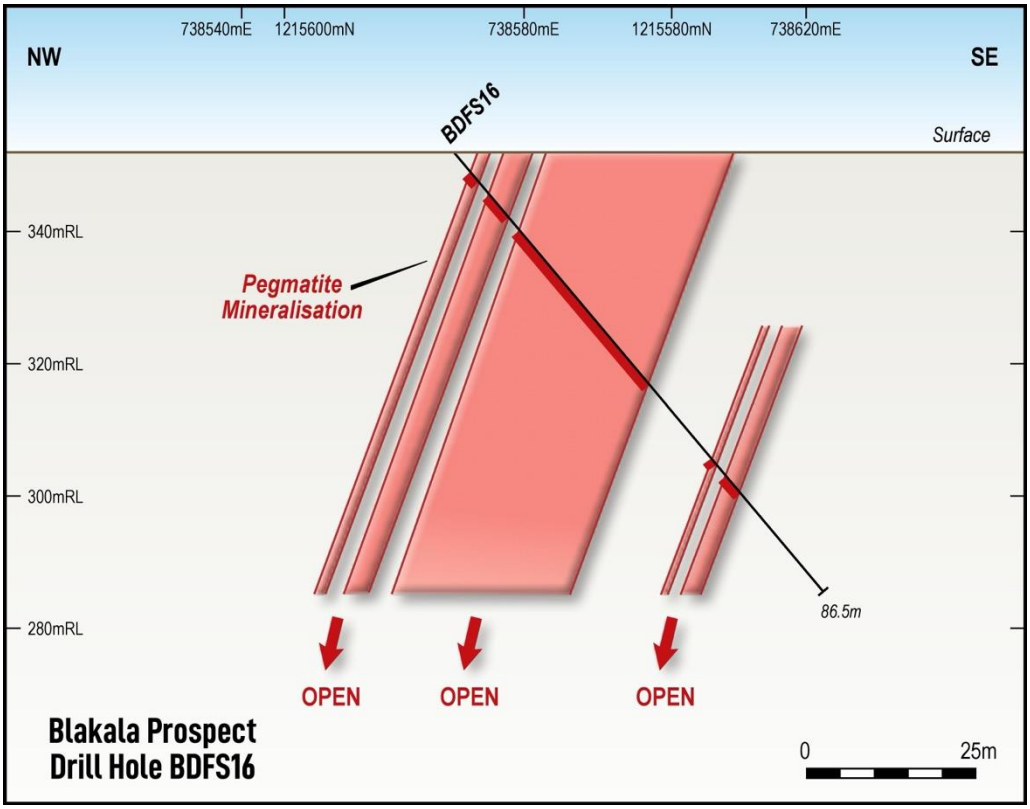


**Figure 3:** Cross Section of drill hole BDFS16

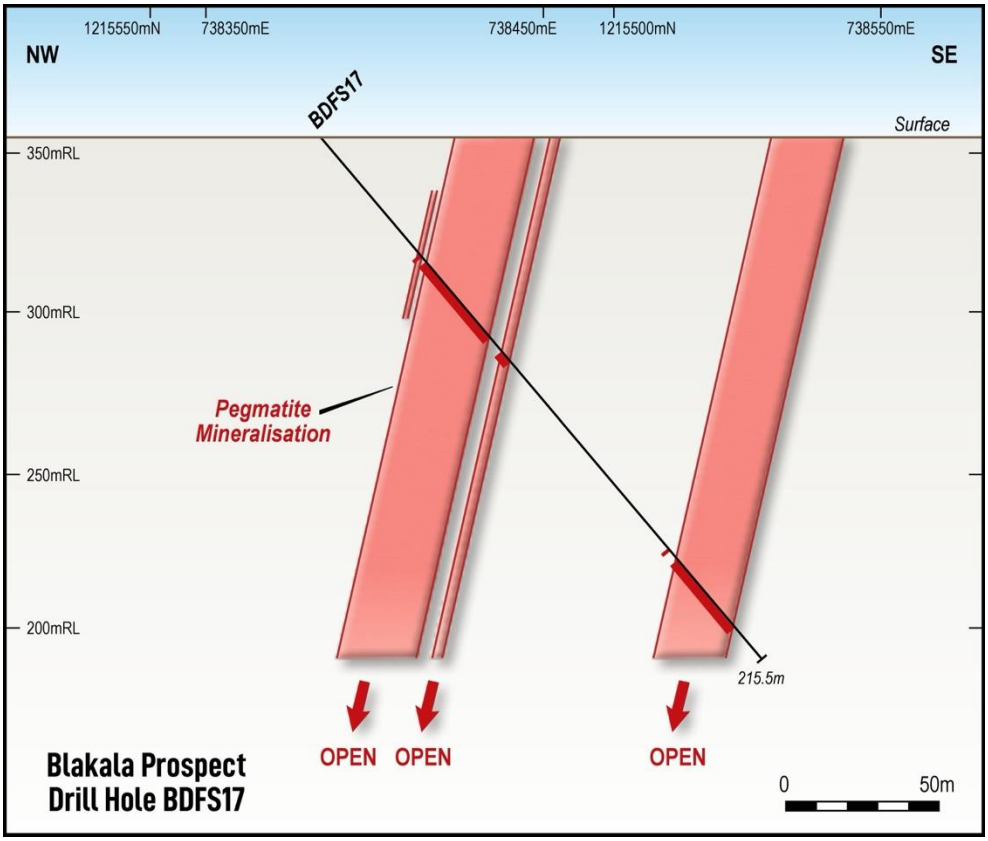


**Figure 4:** Cross Section of drill hole BDFS17

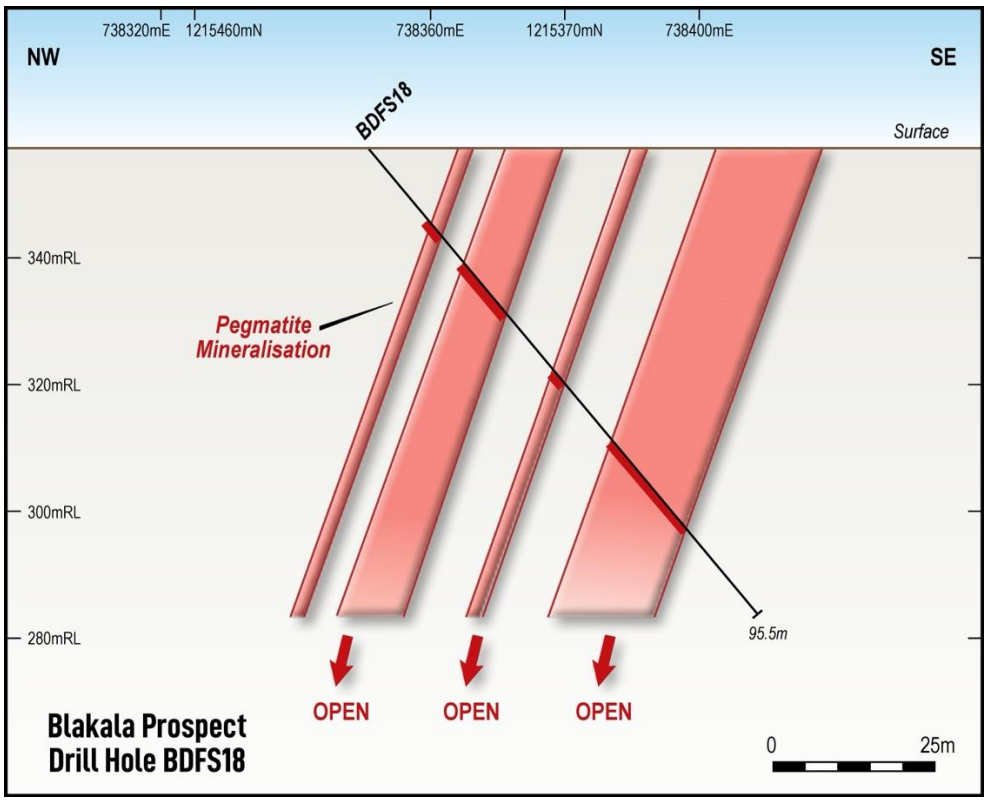


**Figure 5:** Cross Section of drill hole BDFS18

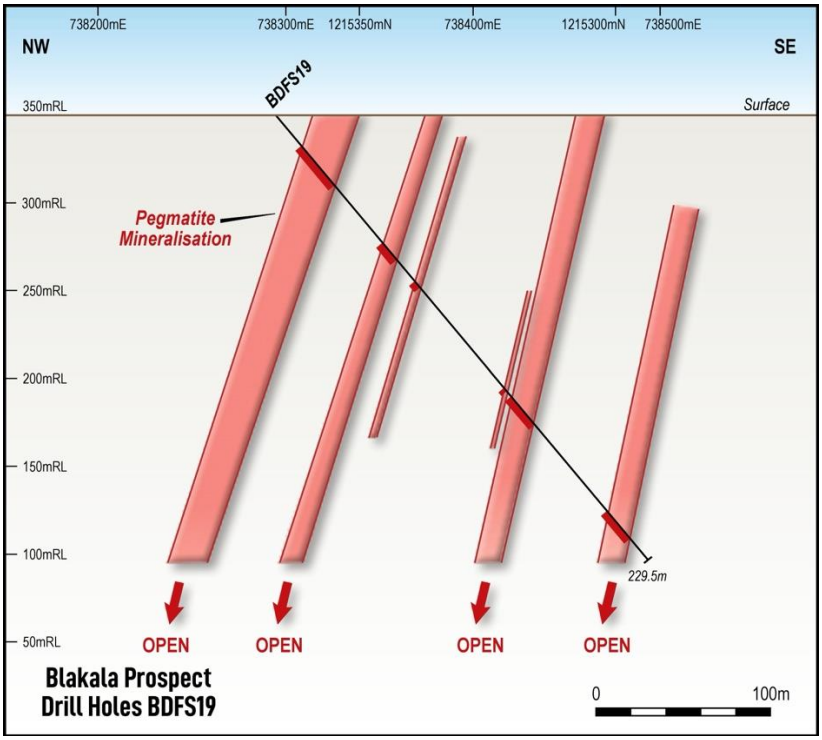


**Figure 6:** Cross Section of drill hole BDFS19


**Figure 7:** Spodumene mineralisation and abundant crystals in BDFS14, BDFS15, BDFS16, BDFS17,

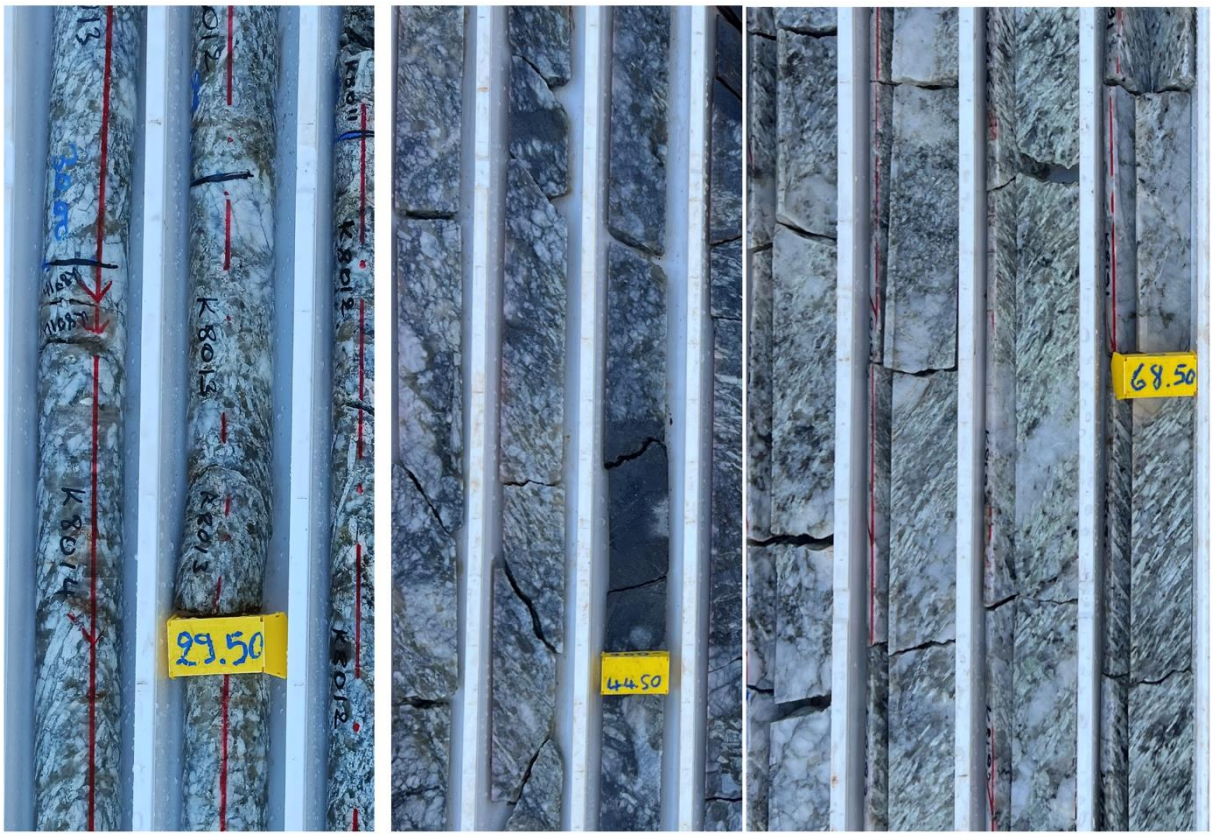


**Figure 8:** Core samples of BDFS14, BDFS16, BDFS17,

**Table 1:** Blakala Drill Collar Table

| Borehole ID | Easting (m) | Northing (m) | Collar RL (m) | Inclination (deg) | Azimuth (deg) | Target Depth (m) | EOH Depth (m) | Status | Comment |
|---|---|---|---|---|---|---|---|---|---|
| BDFS15 | 738532 | 1215511 | 345 | -50 | 110 | 68 | 71.5 | Completed | Blakala, Main |
| BDFS16 | 738572 | 1215584 | 370 | -50 | 110 | 68 | 86.5 | Completed | Blakala, Main |
| BDFS17 | 738377 | 1215510 | 345 | -50 | 110 | 120 | 215.5 | Completed | Blakala, West/Main |
| BDFS18 | 738346 | 1215440 | 351 | -50 | 110 | 90 | 95.5 | Completed | Blakala, West |
| BDFS19 | 738298 | 1215374 | 360 | -50 | 110 | 100 | 329.5 | Completed | Blakala, West/Main |

**Table 2:** Blakala Visual Estimates of Spodumene Mineralisation

| Borehole ID | From (m) | To (m) | Thickness (m) | Description | Visually Estimated Spodumene % |
|---|---|---|---|---|---|
| BDFS15 | 4 | 9.13 | 5.13 | Saprolite of Pegmatite. No visible spodumene. | 0 |
| | 15.33 | 20.26 | 4.93 | Saprolite of Pegmatite. No visible spodumene. | 0 |
| | 23 | 26.8 | 3.8 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 5-8% |
| | 27.34 | 28.09 | 0.75 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 5% |
| | 28.69 | 29.02 | 0.33 | Coarse grained pegmatite with light green, Minor spodumene crystals | 3% |
| | 29.35 | 38 | 8.65 | Coarse grained pegmatite with light green, abundant spodumene crystals | 15% |
| | 39 | 39.67 | 0.67 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 8% |
| | 40.7 | 51.1 | 10.4 | Coarse grained pegmatite with light green, spodumene crystals | 10-15% |
| BDFS16 | 5 | 5.46 | 0.46 | Saprolite of Pegmatite. No visible spodumene. | 0% |
| | 8.1 | 12.5 | 4.4 | Saprolite of Pegmatite. No visible spodumene. | 0% |
| | 15 | 29 | 14 | Saprolite of Pegmatite. No visible spodumene. | 0% |
| | 29 | 45.4 | 16.4 | Coarse grained pegmatite with light green, spodumene crystals | 10-15% |
| | 56.74 | 57.16 | 0.42 | Coarse grained pegmatite with no visible spodumene crystals | 0% |
| | 59.98 | 61.09 | 1.11 | Coarse grained pegmatite with no visible spodumene crystals | 0% |
| | 63.63 | 66.71 | 3.08 | Coarse grained pegmatite with light green, spodumene crystals | 10-15% |
| BDFS17 | 48.05 | 48.98 | 0.93 | Coarse grained pegmatite with no visible spodumene crystals | 0% |
| | 50.58 | 76.55 | 25.97 | Coarse grained pegmatite with light green, abundant spodumene crystals | 10-20% |
| | 76.77 | 82.3 | 5.53 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 8-10% |
| | 84.22 | 84.92 | 0.7 | Coarse grained pegmatite with no visible spodumene crystals | 0% |

| | | | | | |
|---|---|---|---|---|---|
| | 88.1 | 91.9 | 3.8 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 5-8% |
| | 137.57 | 137.92 | 0.35 | Coarse grained pegmatite with no visible spodumene crystals | 0% |
| | 169.35 | 169.7 | 0.35 | Coarse grained pegmatite with no visible spodumene crystals | 0% |
| | 169.92 | 170.28 | 0.36 | Coarse grained pegmatite with minor visible spodumene crystals | 2% |
| | 173.73 | 187.46 | 13.73 | Coarse grained pegmatite with light green, spodumene crystals | 10-15% |
| | 187.56 | 201.98 | 14.42 | Coarse grained pegmatite with minor visible spodumene crystals | 0-1% |
| BDFS18 | 14.55 | 18.01 | 3.46 | Saprolite of Pegmatite with minor spodumene crystals | 0-3% |
| | 23.28 | 33.87 | 10.59 | Coarse grained pegmatite with light green, spodumene crystals | 12-15% |
| | 45.67 | 48.1 | 2.43 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 5-10% |
| | 59.82 | 78.08 | 18.26 | Coarse grained pegmatite with light green, abundant spodumene crystals | 15% |
| BDFS19 | 22.07 | 51.66 | 29.59 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 5-15% |
| | 53.28 | 54.01 | 0.73 | Coarse grained pegmatite with light green, poor spodumene crystals | 1% |
| | 93.98 | 106.04 | 12.06 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 10% |
| | 123.04 | 127.27 | 4.23 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 5-10% |
| | 140.7 | 141.1 | 0.4 | Coarse grained pegmatite with light green, poor spodumene crystals | 1% |
| | 149.9 | 150.23 | 0.33 | Coarse grained pegmatite with no visible spodumene crystals | 0 |
| | 196.87 | 197.32 | 0.45 | Coarse grained pegmatite with no visible spodumene crystals | 0 |
| | 201.45 | 203.81 | 2.36 | Coarse grained pegmatite with light green, poor spodumene crystals | 1% |
| | 208.63 | 228.1 | 19.47 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 5% |
| | 244.03 | 244.67 | 0.64 | Coarse grained pegmatite with no visible spodumene crystals | 0% |

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|---|---|---|---|---|---|
| | 293.8 | 301.8 | 8 | Coarse grained pegmatite with poor spodumene crystals | 1% |
| | 302.97 | 311.81 | 8.84 | Coarse grained pegmatite with very poor spodumene crystals | 0-1% |
| | 321.49 | 322.5 | 1.01 | Coarse grained pegmatite with no visible spodumene crystals | 0% |
| | 324.2 | 325.55 | 1.35 | Coarse grained pegmatite with no visible spodumene crystals | 0% |

**FL1 managing director, Venkat Padala said:**

"The visual estimates confirming up to 20% spodumene along with identification of ongoing pegmatite intersections at the Blakala prospect continue to confirm the identification of a world class deposit, whose resource potential grows with each drillhole completed".

## ABOUT FIRST LITHIUM

First Lithium (ASX code: FL1) is at the forefront of lithium exploration and sustainable development, focusing on pioneering projects like Blakala and Faraba in Mali. Our management team has significant in-country experience and specialist advisors with extensive lithium exploration and government relations expertise.

Our commitment goes beyond the pursuit of lithium riches; it's about powering tomorrow responsibly. We recognise the global demand for lithium and are dedicated to positively impacting local communities while ensuring environmentally sensitive practices.

**Ends-**

The Board of Directors of First Lithium Ltd authorised this announcement to be given to the ASX.

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[2] ASX:FL1 announcement 24/11/23 – Blakala drilling continues to intersect pegmatites
[3] ASX:FL1 announcement 14/11/2023 – Spodumene mineralised pegmatite intersected in all 8 holes drilled at Blakala
[4] ASX:FL1 announcement 4/12/2023 – High Grade Average of 1.7% $Li_2O$ from First Outcrop Samples

**Competent Persons Statement**

**Except where indicated, exploration results above have been reviewed and compiled by Mr Kobus Badenhorst, a Competent Person who is a Member of SACNASP and the South African Geological Society (GSSA), with over 25 years of experience in metallic and energy mineral exploration and development, and as such has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration as a Competent Person as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Badenhorst is the Managing Director of GeoActiv Dynamic Geological Services and consents to the inclusion of this technical information in the format and context in which it appears.**

**Cautionary Statement – Visual Estimates**

This announcement contains references to visual results and visual estimates of mineralisation. FL1 advises there is uncertainty in reporting visual results. Visual estimates of mineral findings should not be considered a substitute for laboratory analysis where concentrations or grades are provided with scientific accuracy. Visual estimates also potentially provide no information regarding impurities or other factors relevant to mineral result valuations. The presence of pegmatite rock does not necessarily indicate the presence of Lithium mineralisation. Laboratory chemical assays are required to determine the grade of mineralisation.

**Forward-Looking Statements**

This announcement contains forward-looking statements which are identified by words such as 'may', 'could', 'believes', 'estimates', 'targets', 'expects', or 'intends' and other similar words that involve risks and uncertainties.

These statements are based on an assessment of present economic and operating conditions, and on a number of assumptions regarding future events and actions that, as at the date of this announcement, are expected to take place.

Such forward-looking statements are not guarantees of future performance and involve known and unknown risks, uncertainties, assumptions and other important factors, many of which are beyond the control of the Company, the Directors and the Company's management.

The Company cannot and does not give any assurance that the results, performance or achievements expressed or implied by the forward-looking statements contained in this announcement will actually occur, and investors are cautioned not to place undue reliance on these forward-looking statements.

The Company has no intention to update or revise forward-looking statements, or to publish prospective financial information in the future, regardless of whether new information, future events or any other factors affect the information contained in this announcement, except where required by law. These forward-looking statements are subject to various risk factors that could cause the Company's actual results to differ materially from the results expressed or anticipated in these statements.

**Appendix 1 – Blakala Drill Collar Table**

| Borehole ID | Easting (m) | Northing (m) | Collar RL (m) | Inclination (deg) | Azimuth (deg) | Target Depth (m) | EOH Depth (m) | Status | Comment |
|---|---|---|---|---|---|---|---|---|---|
| BDFS01 | 738547 | 1215382 | 354 | -60 | 290 | 68 | 80.7 | Completed | Blakala, Main |
| BDFS02 | 738530 | 1215306 | 357 | -50 | 290 | 98 | 172 | Completed | Blakala, Main |
| BDFS03 | 738476 | 1215241 | 355 | -50 | 290 | 68 | 110 | Completed | Blakala, Main |
| BDFS04 | 738459 | 1215162 | 372 | -50 | 290 | 98 | 117.5 | Completed | Blakala, Main |
| BDFS05 | 738350 | 1215114 | 352 | -50 | 110 | 110 | 116.5 | Completed | Blakala, Main |
| BDFS06 | 738316 | 1215050 | 358 | -50 | 110 | 110 | 121.5 | Completed | Blakala, Main |
| BDFS07 | 738295 | 1214968 | 350 | -50 | 110 | 88 | 104.5 | Completed | Blakala, Main |
| BDFS08 | 738266 | 1214894 | 349 | -50 | 110 | 88 | 89.5 | Completed | Blakala, Main |
| BDFS09 | 738234 | 1214819 | 352 | -50 | 110 | 78 | 89.5 | Completed | Blakala, Main |
| BDFS10 | 738208 | 1214744 | 350 | -50 | 110 | 88 | 83.5 | Completed | Blakala, Main |
| BDFS11 | 738191 | 1214673 | 349 | -50 | 110 | 85 | 98.5 | Completed | Blakala, Main |
| BDFS12 | 738163 | 1214590 | 350 | -50 | 110 | 80 | 119.5 | Completed | Blakala, Main |
| BDFS13 | 738474 | 1215372 | 374 | -50 | 110 | 80 | 92.5 | Completed | Blakala, Main |
| BDFS14 | 738510 | 1215442 | 353 | -50 | 110 | 68 | 110.5 | Completed | Blakala, Main |
| BDFS15 | 738532 | 1215511 | 345 | -50 | 110 | 68 | 71.5 | Completed | Blakala, Main |
| BDFS16 | 738572 | 1215584 | 370 | -50 | 110 | 68 | 86.5 | Completed | Blakala, Main |
| BDFS17 | 738377 | 1215510 | 345 | -50 | 110 | 120 | 215.5 | Completed | Blakala, West/Main |
| BDFS18 | 738346 | 1215440 | 351 | -50 | 110 | 90 | 95.5 | Completed | Blakala, West |
| BDFS19 | 738298 | 1215374 | 360 | -50 | 110 | 100 | 329.5 | Completed | Blakala, West/Main |

**Appendix 2 - Blakala Visual Estimates of Spodumene Mineralisation**

| Borehole ID | From (m) | To (m) | Thickness (m) | Description | Visually Estimated Spodumene % |
|---|---|---|---|---|---|
| BDFS01 | 11.70 | 12.25 | 0.55 | Coarse grained pegmatite with light green spodumene, partially weathered. | 2% |
| | 59.42 | 64.00 | 4.58 | Coarse grained pegmatite with light green spodumene | 5% |
| | 71.70 | 76.75 | 5.05 | Coarse grained pegmatite with elongated whitish spodumene crystals | 2% |
| BDFS02 | 31.70 | 144.50 | 112.80 | Coarse grained pegmatite with large variations in the content of spodumene along the depth. Spodumene is elongated and light greenish in colour. | 2 - 20% |
| | 153.80 | 154.90 | 1.10 | Coarse grained pegmatite with light green spodumene | 2% |
| | 157.10 | 157.60 | 0.50 | Coarse grained pegmatite with elongated whitish spodumene crystals | 5% |
| | 159.60 | 160.70 | 1.10 | Coarse grained pegmatite with elongated whitish spodumene crystals | 2% |
| BDFS03 | 2.70 | 18.00 | 15.30 | Weathered coarse grained pegmatite with altered spodumene elongated crystals. Highly weathered pegmatite from 2.7 to 8.65 m | 5 - 15% |
| | 39.00 | 92.25 | 53.25 | Coarse grained pegmatite with light green spodumene | 5 - 20% |
| | 94.65 | 99.65 | 5.00 | Coarse grained pegmatite with light green whitish spodumene with minor intercalation of schist. | 5 - 10 % |
| BDFS04 | 21.28 | 26 | 4.72 | Coarse grained pegmatite with whitish green spodumene | 10 - 15% |
| | 31.8 | 48.55 | 16.75 | Coarse grained pegmatite with light green spodumene | 10 - 20% |
| | 49.5 | 57 | 7.50 | Coarse grained pegmatite with light green spodumene | 15 - 20 % |
| | 60.58 | 63.94 | 3.36 | Coarse grained pegmatite with light green elongated spodumene | 20% |
| | 65.81 | 68 | 2.19 | Coarse grained pegmatite with light green spodumene | 10% |
| | 68.5 | 70.8 | 2.30 | Coarse grained pegmatite with light green spodumene | 10% |
| | 78.04 | 108.5 | 30.46 | Coarse grained pegmatite with light green spodumene | 10 - 20% |
| BDFS05 | 32.41 | 60.74 | 28.33 | Coarse grained pegmatite with elongated, light green spodumene | 10 - 20% |

| | | | | | |
|---|---|---|---|---|---|
| | 68.93 | 69.7 | 0.77 | Coarse grained pegmatite with light green spodumene crystals | 3% |
| | 70.14 | 70.46 | 0.32 | Coarse grained pegmatite with light green spodumene crystals | 3% |
| | 73.94 | 74.13 | 0.19 | Coarse grained pegmatite with light green and poor spodumene crystals | 3% |
| | 74.38 | 77.94 | 3.56 | Coarse grained pegmatite with light green spodumene crystals | 3 - 15% |
| | 78.2 | 97.29 | 19.09 | Coarse grained pegmatite with light green elongated spodumene crystals | 10 - 20 % |
| BDFS06 | 26.64 | 55.63 | 28.99 | Coarse grained pegmatite with light green elongated spodumene crystals | 10 - 20 % |
| | 57.45 | 57.74 | 0.29 | Coarse grained pegmatite with whitish green spodumene | 10% |
| | 81.3 | 83.2 | 1.90 | Coarse grained pegmatite with light green spodumene | 15% |
| | 83.56 | 86.6 | 3.04 | Coarse grained pegmatite with light green spodumene | 10% |
| | 91 | 92.38 | 1.38 | Coarse grained pegmatite with light green spodumene | 5% |
| | 94.85 | 99.54 | 4.69 | Coarse grained pegmatite with poor spodumene crystals | 1% |
| | 100.68 | 101.01 | 0.33 | Coarse grained Pegmatite with poor content of spodumene | 2% |
| | 113.43 | 114.71 | 1.28 | Coarse grained pegmatite with light green spodumene | 10% |
| BDFS07 | 19.8 | 30.33 | 10.53 | Coarse grained pegmatite with elongated light green spodumene | 2 - 15% |
| | 33.64 | 33.83 | 0.19 | Coarse grained pegmatite with light green , poor spodumene crystals | 1% |
| | 35.73 | 35.88 | 0.15 | Coarse grained pegmatite with poor spodumene crystals | 1% |
| | 36.04 | 36.2 | 0.16 | Coarse grained pegmatite with light green , poor spodumene crystals | 1% |
| | 44.51 | 54.1 | 9.59 | Coarse grained pegmatite with poor spodumene crystals | 10 - 15% |
| | 54.25 | 59.5 | 5.25 | Coarse grained pegmatite with elongated light green spodumene | 10% |
| | 62.93 | 64.77 | 1.84 | Coarse grained pegmatite with light green spodumene | < 5% |

| | | | | | |
|---|---|---|---|---|---|
| | 67.7 | 71.35 | 3.65 | Coarse grained pegmatite with light green spodumene | 10 - 20% |
| | 72.9 | 73.35 | 0.45 | Coarse grained pegmatite with light green , sparse spodumene | < 5% |
| | 91.35 | 93.25 | 1.90 | Coarse grained pegmatite with light green, spodumene crystals | 10% |
| BDFS08 | 24.1 | 41.67 | 17.57 | Coarse grained pegmatite with light green spodumene | 10 - 20% |
| | 42.9 | 47.27 | 4.37 | Coarse grained pegmatite with light green elongated spodumene crystals | 10% |
| | 47.66 | 48.9 | 1.24 | Coarse grained pegmatite with light green elongated spodumene crystals | 10% |
| | 49.38 | 52.08 | 2.70 | Coarse grained pegmatite with light green elongated spodumene crystals | 15% |
| | 52.48 | 63.8 | 11.32 | Coarse grained pegmatite with light green elongated spodumene crystals | 5 - 15 % |
| | 66.85 | 66.97 | 0.12 | Coarse grained pegmatite with light green , sparse spodumene crystals | <3% |
| | 67.04 | 67.2 | 0.16 | Coarse grained pegmatite with sparse spodumene crystals | <3% |
| | 68.7 | 69.08 | 0.38 | Coarse grained pegmatite with poor spodumene crystals | <3% |
| BDFS09 | 22.8 | 43.93 | 21.13 | Coarse grained pegmatite with elongated light green moderate spodumene | 10 - 15% |
| | 45.11 | 45.21 | 0.10 | Coarse grained pegmatite with poor spodumene crystals | 3% |
| | 45.44 | 56.6 | 11.16 | Coarse grained pegmatite with greenish spodumene crystals | 10% |
| | 57 | 57.65 | 0.65 | Coarse grained pegmatite with no visible spodumene. | 0% |
| | 61.1 | 71.86 | 10.76 | Coarse grained pegmatite with light green, poor to moderate spodumene crystals | 5-7% |
| BDFS10 | 30.45 | 38.66 | 8.21 | Coarse grained pegmatite with greenish, moderate spodumene crystals | <10% |
| | 40.07 | 56.97 | 16.90 | Coarse grained pegmatite with light green, moderate spodumene crystals | 10-15% |
| | 60.05 | 65.4 | 5.35 | Coarse grained pegmatite with greenish, moderate spodumene crystals | 10-12% |
| | 66.1 | 66.52 | 0.42 | Coarse grained pegmatite with no visible spodumene crystals | 0% |

| | | | | | |
|---|---|---|---|---|---|
| BDFS11 | 19.33 | 19.5 | 0.17 | Coarse grained pegmatite with no visible spodumene crystals | 0% |
| | 34 | 37.8 | 3.80 | Coarse grained pegmatite with light green, moderate spodumene crystals | 10-15% |
| | 38.12 | 61.03 | 22.91 | Coarse grained pegmatite with light green, moderate spodumene crystals | 10-15% |
| | 64.6 | 65.58 | 0.98 | Coarse grained pegmatite with light green, poor spodumene crystals | 2% |
| | 73.1 | 74.8 | 1.70 | Coarse grained pegmatite with light green, poor spodumene crystals | 2-3% |
| | 82.5 | 83.5 | 1.00 | Coarse grained pegmatite with no visible spodumene crystals | 0% |
| BDFS12 | 79 | 83.35 | 4.35 | Coarse grain Pegmatite with light green, very minor spodumene crystals | 1-2% |
| | 87.03 | 98.7 | 11.67 | Coarse grain pegmatite with light green, elongated spodumene crystals | 10-15% |
| | 113.1 | 113.5 | 0.4 | Pegmatite with no visible spodumene | 0% |
| | 114.02 | 115.02 | 1 | Coarse grained pegmatite with light green, medium spodumene crystals | 10% |
| BDFS13 | 15.6 | 53.86 | 38.26 | Coarse grained pegmatite with elongated spodumene crystals | 15% |
| | 55.66 | 57.4 | 1.74 | Coarse grained pegmatite, with moderate spodumene crystals | 10-12% |
| | 57.95 | 58.8 | 0.85 | Coarse grained pegmatite with little spodumene | <5% |
| | 62.5 | 72.4 | 9.9 | Coarse grained pegmatite with light green, little spodumene | 5-8% |
| | 72.68 | 73.86 | 1.18 | Coarse grained pegmatite with minor spodumene crystals | 2% |
| BDFS14 | 14.25 | 15.5 | 1.25 | Coarse grained pegmatite with light green, moderate spodumene crystals | 3-6% |
| | 18.12 | 36.12 | 18 | Coarse grained pegmatite with light green, elongated spodumene crystals | 15-20% |
| | 38 | 40.82 | 2.82 | Coarse grained pegmatite with minor spodumene crystals | 0-1% |
| | 45.83 | 49.31 | 3.48 | Coarse grained pegmatite with no visible spodumene crystals | 0% |
| | 54.42 | 61.12 | 6.7 | Coarse grained pegmatite with no visible spodumene crystals | 0% |

| | | | | | |
|---|---|---|---|---|---|
| | 81.4 | 82.35 | 0.95 | Coarse grained pegmatite with light green, minor spodumene crystals | 1-2% |
| | 85.08 | 86.16 | 1.08 | Coarse grained pegmatite with light green, minor spodumene crystals | 1% |
| | 86.34 | 92.18 | 5.84 | Coarse grained pegmatite with light green, moderate spodumene crystals | 1-5% |
| BDFS15 | 4 | 9.13 | 5.13 | Saprolite of Pegmatite. No visible spodumene. | 0 |
| | 15.33 | 20.26 | 4.93 | Saprolite of Pegmatite. No visible spodumene. | 0 |
| | 23 | 26.8 | 3.8 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 5-8% |
| | 27.34 | 28.09 | 0.75 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 5% |
| | 28.69 | 29.02 | 0.33 | Coarse grained pegmatite with light green, Minor spodumene crystals | 3% |
| | 29.35 | 38 | 8.65 | Coarse grained pegmatite with light green, abundant spodumene crystals | 15% |
| | 39 | 39.67 | 0.67 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 8% |
| | 40.7 | 51.1 | 10.4 | Coarse grained pegmatite with light green, spodumene crystals | 10-15% |
| BDFS16 | 5 | 5.46 | 0.46 | Saprolite of Pegmatite. No visible spodumene. | 0% |
| | 8.1 | 12.5 | 4.4 | Saprolite of Pegmatite. No visible spodumene. | 0% |
| | 15 | 29 | 14 | Saprolite of Pegmatite. No visible spodumene. | 0% |
| | 29 | 45.4 | 16.4 | Coarse grained pegmatite with light green, spodumene crystals | 10-15% |
| | 56.74 | 57.16 | 0.42 | Coarse grained pegmatite with no visible spodumene crystals | 0% |
| | 59.98 | 61.09 | 1.11 | Coarse grained pegmatite with no visible spodumene crystals | 0% |
| | 63.63 | 66.71 | 3.08 | Coarse grained pegmatite with light green, spodumene crystals | 10-15% |
| BDFS17 | 48.05 | 48.98 | 0.93 | Coarse grained pegmatite with no visible spodumene crystals | 0% |
| | 50.58 | 76.55 | 25.97 | Coarse grained pegmatite with light green, abundant spodumene crystals | 10-20% |

| | | | | | |
|---|---|---|---|---|---|
| | 76.77 | 82.3 | 5.53 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 8-10% |
| | 84.22 | 84.92 | 0.7 | Coarse grained pegmatite with no visible spodumene crystals | 0% |
| | 88.1 | 91.9 | 3.8 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 5-8% |
| | 137.57 | 137.92 | 0.35 | Coarse grained pegmatite with no visible spodumene crystals | 0% |
| | 169.35 | 169.7 | 0.35 | Coarse grained pegmatite with no visible spodumene crystals | 0% |
| | 169.92 | 170.28 | 0.36 | Coarse grained pegmatite with minor visible spodumene crystals | 2% |
| | 173.73 | 187.46 | 13.73 | Coarse grained pegmatite with light green, spodumene crystals | 10-15% |
| | 187.56 | 201.98 | 14.42 | Coarse grained pegmatite with minor visible spodumene crystals | 0-1% |
| BDFS18 | 14.55 | 18.01 | 3.46 | Saprolite of Pegmatite with minor spodumene crystals | 0-3% |
| | 23.28 | 33.87 | 10.59 | Coarse grained pegmatite with light green, spodumene crystals | 12-15% |
| | 45.67 | 48.1 | 2.43 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 5-10% |
| | 59.82 | 78.08 | 18.26 | Coarse grained pegmatite with light green, abundant spodumene crystals | 15% |
| BDFS19 | 22.07 | 51.66 | 29.59 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 5-15% |
| | 53.28 | 54.01 | 0.73 | Coarse grained pegmatite with light green, poor spodumene crystals | 1% |
| | 93.98 | 106.04 | 12.06 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 10% |
| | 123.04 | 127.27 | 4.23 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 5-10% |
| | 140.7 | 141.1 | 0.4 | Coarse grained pegmatite with light green, poor spodumene crystals | 1% |
| | 149.9 | 150.23 | 0.33 | Coarse grained pegmatite with no visible spodumene crystals | 0 |
| | 196.87 | 197.32 | 0.45 | Coarse grained pegmatite with no visible spodumene crystals | 0 |
| | 201.45 | 203.81 | 2.36 | Coarse grained pegmatite with light green, poor spodumene crystals | 1% |

| | | | | | |
|---|---|---|---|---|---|
| | 208.63 | 228.1 | 19.47 | Coarse grained pegmatite with light green, Moderate spodumene crystals | 5% |
| | 244.03 | 244.67 | 0.64 | Coarse grained pegmatite with no visible spodumene crystals | 0% |
| | 293.8 | 301.8 | 8 | Coarse grained pegmatite with poor spodumene crystals | 1% |
| | 302.97 | 311.81 | 8.84 | Coarse grained pegmatite with very poor spodumene crystals | 0-1% |
| | 321.49 | 322.5 | 1.01 | Coarse grained pegmatite with no visible spodumene crystals | 0% |
| | 324.2 | 325.55 | 1.35 | Coarse grained pegmatite with no visible spodumene crystals | 0% |

# Appendix 1

# JORC Code, 2012 Edition – Table 1

## Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| *Sampling techniques* | • *Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.*<br>• *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.*<br>• *Aspects of the determination of mineralisation that are Material to the Public Report.*<br>• *In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.* | <u>Diamond drilling at Blakala and Faraba Prospects</u><br>• Diamond drilling of HQ and NQ2 core size holes was used to obtain core for sampling and analysis.<br>• All logging and sampling took place according to detailed Standard Procedure documents.<br>• The core was first accurately fitted to the orientation line (bottom of hole) of the orientated core accurately drawn with a permanent paint marker; logging took place using the orientation line, and sampling was then marked on the retention portion of the core.<br>• Sampling still to take place, with ½ core sampling to happen. |
| *Drilling techniques* | • *Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).* | • Diamond wireline drillholes of HQ and NQ2 core size of a planned 8,000m drilling program at Blakala Prospect and planned 2,000m drilling program at Faraba took place.<br>• The drill core was downhole orientated using the electronic REFLEX ACT III tool; a core orientation line was marked for all geological and sampling depth information. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | |  <br>• Diamond drilling is considered a standard industry drilling technique for vein or pegmatite deposits.<br>• The drilling rig used was a YS1500 with a Cummins QSB 6.7 engine. Diamond drill rods used were 3m long.<br>• The holes are inclined at -50° to -60°.<br>• The drilling onsite is governed by a Daimond Drilling Guideline to ensure consistency in application of the method between geologists and drillers. |
| *Drill sample recovery* | • *Method of recording and assessing core and chip sample recoveries and results assessed.*<br>• *Measures taken to maximise sample recovery and ensure representative nature of the samples.*<br>• *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.* | • Drill sample recovery is monitored by measuring and recording the total core recovery on a drill run basis for the entire hole.<br>• Core recovery data is entered into the project drillhole database.<br>• RQD data is collected and core recoveries and associated RQD % for runs studied, where 100% recovery not obtained.<br>• Very good recovery and generally solid core was found in the 2 drillholes. |
| *Logging* | • *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.*<br>• *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* | • Core logging took place only after careful fitting of all core, followed by the orientation of the core from the Reflex orientation data, followed by core recovery and RQD data collection.<br>• Detailed and appropriate lithological, structural and weathering logging took place on the full core using the orientation line for interval |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | • *The total length and percentage of the relevant intersections logged.* | measurements.<br>• All logging data is entered into the project drillhole database.<br>• Sampling still to take place. |
| *Sub-sampling techniques and sample preparation* | • *If core, whether cut or sawn and whether quarter, half or all core taken.*<br>• *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.*<br>• *For all sample types, the nature, quality and appropriateness of the sample preparation technique.*<br>• *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.*<br>• *Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.*<br>• *Whether sample sizes are appropriate to the grain size of the material being sampled.* | • All pegmatite intersections, particularly spodumene mineralised portions of the core will be sampled, but sampling still to take place.<br>• Bulk Density via wet-dry Archimedes technique will take place after sampling on site. |
| *Quality of assay data and laboratory tests* | • *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.*<br>• *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.*<br>• *Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.* | • Samples sent to the analytical laboratory (SGS in Johannesburg, South Africa), no analytical results to report yet. |
| *Verification of sampling and assaying* | • *The verification of significant intersections by either independent or alternative company personnel.*<br>• *The use of twinned holes.*<br>• *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.*<br>*Discuss any adjustment to assay data.* | • On site logging took place with experienced geologists, and a senior company geologist checking all the logging being undertaken.<br>• The geological field data is manually transcribed into a master Microsoft Excel spreadsheet which is appropriate for this stage in the exploration program.<br>• The raw field data is checked in the Microsoft Excel format first to identify any obvious errors or outlier data. The data is then imported into a Microsoft Access database where it is subjected to various validation queries. |
| *Location of data points* | • Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation. | • Dillhole locations were recorded using a hand held GPS. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | • Specification of the grid system used.<br>• Quality and adequacy of topographic control. | |
| *Data spacing and distribution* | • *Data spacing for reporting of Exploration Results.*<br>• Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.<br>• Whether sample compositing has been applied. | • Drilling will take place in phases, the current inter-drillhole spacing is 80m for both Blakala and Faraba, this spacing will be filled in during follow-up drilling phases. |
| *Orientation of data in relation to geological structure* | • Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.<br>• If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material. | • N/A |

## Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| *Mineral tenement and land tenure status* | • *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.*<br>• *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.* | • Permits for the Mali Lithium project are in their first renewal period granted by the original Mali decree “Order No. 2022-0276/MMEE-SG” (Blakala Prospect permit) and “Order No. 2022-0275/MMEE-SG” (Gouna permit). Both permits are valid for the exploration of Group 3 elements (Li, Co, Cr, Nb, Ni, PGE, REE, Sn, Ta, Ti, V, W and Zr) and are considered early stage Li exploration projects.<br>• On Mali's online repository, the Faraba permit is valid from March 16, 2021 to March 16, 2024, and the Gouna permit is valid from May 15, 2021 to May 15, 2024. |
| *Exploration done by other parties* | • *Acknowledgment and appraisal of exploration by other parties.* | • Historic exploration work was completed by Russian geologists during 1963-64. Geological prospecting was carried out in the central part of the Bougouni pegmatite field.<br>• The Company has obtained the digital data in relation to this historic information.<br>• The historic data comprises mapping, and 2 diamond drillholes on the Farba licence.<br>• The historic results have not been reported. |
| *Geology* | • *Deposit type, geological setting and style of mineralisation.* | <u>Blakala Prospect</u><br>• Blakala prospect in the Gouna licence is Palaeo-Proterozoic in age. The regional lithological assemblages comprise of felsic intrusives such as granite, granodiorites, and schists of variable composition and laterite. The schists have a metasedimentary origin with coarse grains of quartz and mica, which have been subjected to multiple deformations to form schists.<br>• The pegmatites are a pale greyish-white colour, fresh hand specimen shows a whitish-earthy matrix of feldspar with phenocrysts of spodumene, quartz and muscovite. The pegmatites have a varied width from a few centimetres to up to 45 meters where the two separate pegmatite bands merge together.<br><u>Faraba licence</u><br>• The presence of vein quartz and quartzite occur as small lensoidal bodies in close proximity to pegmatite bodies.<br>• The pegmatites invariably had sinistral and dextral dislocations by both local small-scale faults and regional large-scale faults. |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| | | • The pegmatite veins are found predominantly emplaced within granodioritic plutonic bodies within sheared zones parallel to the trend of N60°E. However, pegmatite emplacement is also found on N40°W direction within migmatitic-gneiss on the North-Eastern region of Faraba prospect. |
| *Drill hole Information* | • *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:*<br>○ *easting and northing of the drill hole collar*<br>○ *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*<br>○ *dip and azimuth of the hole*<br>○ *down hole length and interception depth*<br>○ *hole length.*<br>• *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.* | • Summary drill hole information is presented in the body of the text in Tables 1 and 3. |
| *Data aggregation methods* | • *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.*<br>• *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.*<br>• *The assumptions used for any reporting of metal equivalent values should be clearly stated.* | • NA, sampling sent to the analytical laboratory, no results received yet |
| *Relationship between mineralisation widths and* | • *These relationships are particularly important in the reporting of Exploration Results.*<br>• *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.*<br>• *If it is not known and only the down hole lengths are reported, there* | • The pegmatites generally dip at -80° to the west at Blakala. The diamond holes are drilled perpendicular to the general strike of the pegmatite bodies, at a dip of -60° for the first hole, -50° for the rest.<br>• The pegmatites generally dip at -70° to the south-west. The diamond holes are drilled perpendicular to the general strike of the pegmatite |

| Criteria | JORC Code explanation | Commentary |
|---|---|---|
| *intercept lengths* | *should be a clear statement to this effect (eg 'down hole length, true width not known').* | bodies, at a dip of -50°.<br>• Downhole widths are reported. |
| *Diagrams* | • *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.* | • Figures are displayed in the main text. |
| *Balanced reporting* | • *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.* | • NA |
| *Other substantive exploration data* | • *Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.* | • No other material exploration information has been gathered by the Company. |
| *Further work* | • *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).*<br>• *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.* | <u>Blakala Prospect</u><br>• An 8,000m diamond drilling program is taking place, with the first nineteen (19) holes completed.<br>• Drilling to be done in phases with initial drilling c 25m from the outcrop and holes 80m apart, follow up phases will infill this drilling and also drill deper vertical depth intersections<br>• Additional trenching and trench sampling is taking place.<br><u>Faraba Prospect</u><br>• A 2,000m diamond drilling program is taking place, with the first five (5) holes completed of the current program.<br>• Drilling to be done in phases with initial drilling holes 80m apart, follow up phases will infill this drilling and also drill deper vertical depth intersections<br>• Additional trenching and trench sampling is taking place. |