

# Lithium Ionic drills 2.45% Li<sub>2</sub>O over 9.1m and 1.61% Li<sub>2</sub>O over 11.9m at Bandeira, Minas Gerais, Brazil

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TORONTO, Nov. 15, 2023 - [Lithium Ionic Corp.](#) (TSXV: LTH; OTCQX: LTHCF; FSE: H3N) ("Lithium Ionic" or the "Company") reports additional results from the ongoing drilling program at the Bandeira Project ("Bandeira"), located in northern Minas Gerais State, Brazil. The Company is rapidly advancing Bandeira, situated within the emerging "Lithium Valley", where two lithium producers currently operate.

These results form part of a large 50,000-metre drill program underway for H2 2023, which is focused on expanding and upgrading existing mineral resource estimates to support a Feasibility Study planned for completion in early 2024, as well as grow the known mineralization at other prospective regional targets.

Bandeira Drill Intercept Highlights (See Table 1 and Figure 1):

- 2.45% Li<sub>2</sub>O over 9.1m, 1.61% Li<sub>2</sub>O over 11.9m, 1.30% Li<sub>2</sub>O over 9.0m as well as 1.39% Li<sub>2</sub>O over 7.8m (hole ITDD-23-188) (See Figure 2 cross section)
- 1.92% Li<sub>2</sub>O over 6.9m and 1.42% Li<sub>2</sub>O over 8.2m (hole ITDD-23-175)
- 1.42% Li<sub>2</sub>O over 8.9m (hole ITDD-23-196)
- 1.12% Li<sub>2</sub>O over 10.6m, incl. 1.34% Li<sub>2</sub>O over 7.9m (hole ITDD-23-184)
- 1.59% Li<sub>2</sub>O over 5.6m (hole ITDD-23-199)

Blake Hylands, P.Geo., Chief Executive Officer of Lithium Ionic, commented, "These latest drill results continue to bolster our efforts to expand and enhance the Bandeira project for our upcoming Feasibility Study. The growth trajectory of this deposit since we began drilling it in April 2022 is a testament to its significance within our large portfolio of properties in this belt and will continue to be a key driver of our success. Bandeira represents just a fraction of our land holdings, and our team strongly believes that our success at this property could be replicated at our other properties in the region with the same effort."

The Company began drilling Bandeira in April 2022, reporting an initial mineral resource estimate ("MRE") in June 2023. In October 2023, an updated MRE at Bandeira showcased a near-doubling of the MRE, which formed the basis of a Preliminary Economic Assessment ("PEA"). This study supported a long-life and low-cost spodumene concentrate mining project with a post-tax Net Present Value ("NPV") of 8% of US\$1.6 billion (~C\$2.2 billion) and an Internal Rate of Return ("IRR") of 121% (see press release dated October 19, 2023).

The Company is currently undertaking an independent NI 43-101 compliant Feasibility Study ("FS"), including an updated MRE, expected to be completed in early 2024.

The Bandeira Project is located in the same district where Companhia Brasileira de Lítio (CBL)'s Cachoeira mine has been producing lithium for +30 years, and recent producer Sigma Lithium operates the Grota do Cirillo project, which hosts the largest hard rock lithium deposit in the Americas (See Figure 1).

The Company is rapidly advancing Bandeira towards a production decision, while it continues to explore and define regional targets. Permitting activities are progressing well, in parallel with the advancement of project engineering. NEO Agroambiental Ltda is completing the RCA (Environmental Control Report) and PCA (Environmental Control Plan) to support the application of a Concomitant Environmental and Installation License ("LAC", or *Licença Ambiental Concomitante*) for the Bandeira operation, which is expected to be submitted by the end of the year. The LAC is an accelerated permitting scenario available to projects such as Bandeira, whose mine infrastructure covers a small footprint where deforestation is not required. The LAC replaces the first two steps of the environmental licensing process: the Preliminary License (LP - *Licença*

*Prévia*) and the Installation License (LI - *Licença de Instalação*); which precede the final Operating License (LO - *Licença de Operação*).

Figure 1. Bandeira Drill Collars and Traces with Intercept Highlights

View Figure 1 here:

<https://www.globenewswire.com/NewsRoom/AttachmentNg/e801cccd-3f26-4b25-be8a-0169db2fc764>

Figure 2. Section\_LT600NE Drill Results

View Figure 2 here:

<https://www.globenewswire.com/NewsRoom/AttachmentNg/3fcf98b2-c7ae-4ad0-9a3f-adbc26247d74>

Table 1. Bandeira Drill Results

| Hole ID     | Az  | Dip | From   | To     | Metres | Li2O (%) |
|-------------|-----|-----|--------|--------|--------|----------|
| ITDD-23-175 |     |     | 323.64 | 325.56 | 1.92   | 1.85     |
| and         |     |     | 383.34 | 385.19 | 1.85   | 1.02     |
| and         | 150 | -73 | 399.28 | 407.49 | 8.21   | 1.42     |
| and         |     |     | 485.38 | 492.19 | 6.81   | 1.92     |
| and         |     |     | 524.36 | 529.94 | 5.58   | 1.11     |
| ITDD-23-179 | 150 | -50 | nsv    |        |        |          |
| ITDD-23-183 | 150 | -68 | 177.37 | 179.59 | 2.22   | 2.08     |
| ITDD-23-184 |     |     | 156.12 | 159.73 | 3.61   | 1.03     |
| and         |     |     | 200.00 | 210.57 | 10.57  | 1.12     |
| including   | 150 | -85 | 202.67 | 210.57 | 7.90   | 1.34     |
| and         |     |     | 339.45 | 341.69 | 2.24   | 1.87     |
| and         |     |     | 348.01 | 349.42 | 1.41   | 1.94     |
| ITDD-23-186 | 150 | -60 | nsv    |        |        |          |
| ITDD-23-188 |     |     | 130.48 | 139.59 | 9.11   | 2.45     |
| and         |     |     | 272.46 | 275.86 | 3.40   | 2.07     |
| and         | 0   | -90 | 347.55 | 356.50 | 8.95   | 1.30     |
| and         |     |     | 463.82 | 471.60 | 7.78   | 1.39     |
| and         |     |     | 631.34 | 643.24 | 11.90  | 1.61     |
| ITDD-23-194 | 150 | -50 | 117.31 | 119.50 | 2.19   | 1.83     |
| and         |     |     | 125.97 | 128.18 | 2.21   | 1.51     |
| ITDD-23-196 | 0   | -90 | 110.73 | 113.82 | 3.09   | 0.93     |
| and         |     |     | 137.13 | 146.05 | 8.92   | 1.42     |
| ITDD-23-199 |     |     | 49.26  | 50.43  | 1.17   | 3.29     |
| and         |     |     | 127.38 | 129.42 | 2.04   | 2.03     |
| and         | 150 | -83 | 270.33 | 272.10 | 1.77   | 0.93     |
| and         |     |     | 278.35 | 279.67 | 1.32   | 1.36     |
| and         |     |     | 288.91 | 294.47 | 5.56   | 1.59     |
| and         |     |     | 408.52 | 413.16 | 4.64   | 0.74     |

\*Assays pending for holes ITDD-23-190 to ITDD-23-193, ITDD-23-195, ITDD-23-197 and ITDD-23-198

Stock Option Grant

Lithium Ionic's Board of Directors has approved the grant of 1,460,000 incentive stock options to various directors, officers, and consultants of the Company pursuant to its stock option plan. The options may be exercised at a price of \$1.44 per option for a period of five years from the date of grant. The grant of options remains subject to the approval of the TSX Venture Exchange.

#### About Lithium Ionic Corp.

Lithium Ionic is a Canadian mining company exploring and developing its lithium properties in Brazil. Its Itinga and Salinas group of properties cover 14,182 hectares in the northeastern part of Minas Gerais state, a mining-friendly jurisdiction that is quickly emerging as a world-class hard-rock lithium district. Its Feasibility-stage Bandeira Project is situated in the same region as CBL's Cachoeira lithium mine, which has produced lithium for +30 years, as well as Sigma [Lithium Corp.](#)'s Grota do Cirilo project, which hosts the largest hard-rock lithium deposit in the Americas.

#### Quality Assurance and Control

During the drill program, assay samples were taken from NQ core and sawed in half. One-half was sent for assaying at SGS Laboratory, a certified independent commercial laboratory, and the other half was retained for results, cross checks, and future reference. A strict QA/QC program was applied to all samples. Every sample was processed with Drying, crushing from 75% to 3 mm, homogenization, quartering in Jones, spraying 250 to 300 g of sample in steel mill 95% to 150. SGS laboratory carried out multi-element analysis for ICP90A analysis.

#### Qualified Persons

The technical information in this news release has been prepared by Carlos Costa, Vice President Exploration of Lithium Ionic and Blake Hylands, CEO and director of Lithium Ionic, and both are "qualified persons" as defined in NI 43-101.

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