Lithium South Files LCE Resource NI 43-101 Technical Report

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Highlights

- 175% Increase in Lithium Resource
- 1,583,200 Tonnes Lithium Carbonate Equivalent at 736 mg/L Li
- 40% Projected Increase in Lithium Recovery to 70%

VANCOUVER, Nov. 6, 2023 - Lithium South Development Corp. (the "Company") (TSX-V: LIS) (OTCQB: LISMF) (Fran OGPQ) is pleased to report it has issued and filed November 6, 2023, a technical report titled, Updated Mineral Resour - Hombre Muerto North Project, NI 43-101 Technical Report Catamarca and Salta, Argentina, Mark King, PhD, PGeo, F M.Sc, MAusIMM, September 5th, 2023. The report was prepared in accordance with National Instrument 43-101 - Stan Disclosure for Mineral Projects, on behalf of the Company by independent consultants Groundwater Insight of Halifax, I Canada. The report details the recently upgraded lithium resource located at the Company's flagship project, the Homb North Lithium Project (HMN Li Project). The LCE Resource NI 43-101 Technical Report is available on the Company w www.lithiumsouth.com/wp-content/uploads/2023-technical-report-NI43-101.pdf.

The HMN Li Project is comprised of five salar located claims totaling 3,287 hectares, and is located in the Salar del Hor of Salta Province, Argentina. The report covers the Alba Sabrina (2,089 hectares), Tramo (383 hectares), and Natalia M hectares) claim blocks, within which a 1,583,200 tonne Lithium Carbonate Equivalent Resource (LCE) with an average 736 mg/L Li has been defined. The Resource has a low magnesium (contaminant) to lithium ratio of 3.27; and 90% of t in the Measured category (highest resource classification). Additional resource potential remains to be evaluated at the and Norma Edith claim blocks (595 hectares).

The report also provides an evaluation of the updated lithium recovery process plan for the HMN Li Project brines, whic industry proven evaporation. An adjustment in the processing sequence will reduce lithium loss as brine entrainments i salts, in the magnesium hydroxide, and in calcium sulfate solids. Results to date indicate that lithium recovery of aroun improvement from previous recoveries of 50%, should be achievable. Peter Ehren, M.Sc., MAusIMM, is the QP respon Mineral Processing.

Company President and CEO, Adrian F. C. Hobkirk is quoted, "We are very pleased with the substantial upgrade in ou Resource at the HMN Li Project and are excited to potentially achieve much higher lithium recoveries. We await the co our updated Preliminary Economic Assessment which will further evaluate our newly defined, high quality lithium brine

Dr. Mark King, Ph.D., F.G.C., P.Geo., of Groundwater Insight, Inc., is the Qualified Person (QP) for this work, as such t defined by NI 43-101. Dr. King has extensive experience in salar environments and has been a QP on numerous lithiur projects, ranging from early exploration to production. Dr. King is independent from the Company and has reviewed an the technical information mentioned in this press release.

About Lithium South

Lithium South (LIS) owns 100% of the Hombre Muerto North Lithium Project (HMN Li Project) located in Salta and Cata Provinces, Argentina, the heart of the lithium triangle. The Salar del Hombre Muerto has a history of lithium production, Corporation in operation for over twenty-five years, in an area just south of the HMN Li Project. The HMN Li Project is s by a US$4 billion lithium development under construction by POSCO (Korea) and the Sal de Vida Project under develo Allkem. Exploration work to date has delineated a National Instrument 43-101 compliant 1,583,200 tonne Lithium Carbo Equivalent (LCE) Resource on the Alba Sabrina, Natalia Maria, and Tramo claim blocks, three of five non-contiguous b make up the HMN Li Project. With process work underway, LIS is transitioning from being a lithium explorer to becomin developer.

On behalf of the Board of Directors

Adrian F. C. Hobkirk
President and Chief Executive Officer
Investors / Shareholders call 1-855-415-8100 / website: www.lithiumsouth.com

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and Exchange Act of 1934, as amended. Except for statements of historical fact relating to the Company, certain inform
contained herein constitute forward-looking statements. Forward-looking statements are based upon opinions and estir
management at the date the statements are made and are subject to a variety of risks and uncertainties and other facto
could cause actual results to differ materially from those projected in the forward-looking statements. The reader is cau
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