

ASX ANNOUNCEMENT

26 September 2024

Lake Resources N.L. (ASX: LKE; OTC: LLKKF) (“Lake”) announces the appointment of Nkechi Ezimah as Senior Finance Manager and Company Secretary.

The appointment of Nkechi Ezimah as Senior Finance Manager and Company Secretary will be effective 26 September 2024, following the resignation of Mark Anning, Head of Legal, Australia and Company Secretary. Ms. Ezimah has been a critical part of Lake’s Finance team since November 2022. Prior to joining Lake, she held manager and senior level positions at BDO, Findex, PricewaterhouseCoopers LLP, and Deloitte, where she primarily serviced clients in the mining industry.

Ms. Ezimah is a senior finance professional with 18 years of finance and accounting experience in both public accounting and in-house corporate practice. She has extensive experience with ASX listed companies. Ms. Ezimah is a Chartered Accountant and holds qualifications of M.Sc. Corporate Finance from the University of Liverpool. Ms. Ezimah is a Fellow of the Institute of Chartered Accountants of Nigeria and an Associate of Certified Public Accountants of Australia.

For investor queries, please contact:

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About Lake Resources N.L. (ASX:LKE OTC:LLKKF)

Lake Resources N.L. (ASX:LKE, OTC: LLKKF) is a responsible lithium developer utilising state of-the-art ion exchange extraction technology for production of sustainable, high purity lithium from its flagship Kachi Project in Catamarca Province within the Lithium Triangle in Argentina. Lake also has three additional early-stage projects in this region.

This ion exchange extraction technology delivers a solution for two rising demands – high purity battery materials to avoid performance issues, and more sustainable, responsibly sourced materials with low carbon footprint and significant ESG benefits.

Forward Looking Statements:

Certain statements contained in this announcement, including information as to the future financial performance of the projects and the Company, are forward-looking statements. Such forward-looking statements are necessarily based upon a number of estimates and

assumptions that, while considered reasonable by Lake Resources N.L. are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies; involve known and unknown risks and uncertainties and other factors that could cause actual events or results to differ materially from estimated or anticipated events or results, expressed or implied, reflected in such forward-looking statements; and may include, among other things, statements regarding targets, estimates and assumptions in respect of production and prices, operating costs and results, capital expenditures, reserves and resources and anticipated flow rates, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions and affected by the risk of further changes in government regulations, policies or legislation and that further funding may be required, but unavailable, for the ongoing development of Lake's projects. Lake Resources N.L. disclaims any intent or obligation to update any forward-looking statements, whether as a result of new information, future events or results or otherwise. The words "believe", "expect", "anticipate", "indicate", "contemplate", "target", "plan", "intends", "continue", "budget", "estimate", "may", "will", "schedule" and similar expressions identify forward-looking statements. All forward-looking statements made in this announcement are qualified by the foregoing cautionary statements. Investors are cautioned that forward-looking statements are not guarantees of future performance and accordingly investors are cautioned not to put undue reliance on forward-looking statements due to the inherent uncertainty therein. Lake does not undertake to update any forward-looking information, except in accordance with applicable securities laws.