

ASX ANNOUNCEMENT

30 July 2025

AUGUST INVESTOR WEBINAR INVITATION

Lake Resources N.L. (ASX: LKE; OTC: LLKKF) (“Lake” or the “Company”) will be conducting an investor roadshow in Brisbane, Sydney, Melbourne, and Perth from 4 August to 14 August 2025.

To preview the roadshow, **Managing Director and CEO David Dickson** will hold an investor webinar on **Monday, 4 August 2025**, during which he will cover key operational and market updates, including:

- **Kachi Resource Update**¹: The Kachi Project’s mineral resource has grown, with an updated resource estimate of 11.1 million tonnes of lithium carbonate equivalent, including 8.2 million tonnes in the Measured and Indicated categories², reinforcing Kachi’s status as a globally significant lithium asset.
- **Lilac Solutions Breakthrough**³: Partner Lilac Solutions has improved their direct lithium extraction (“DLE”) process with its 4th-generation ion exchange technology, achieving⁴ over 90% lithium recovery, up to 50% equipment cost savings, and 25% lower total DLE costs.
- **Power Progress**⁵: Lake’s collaboration with Argentina’s YPF Luz has confirmed a viable grid power solution for Kachi, de-risking the project’s energy needs.
- **Lithium Market Update**: With lithium prices rebounding and strong demand forecasts for 2025 and beyond, Kachi is primed to capitalise on the growing need for high-purity battery-grade lithium, driving value for investors.

Webinar details:

The webinar will be streamed at **9:00 am AEST (Monday, 4 August)**, following the release of presentation material to the ASX. The webinar can be accessed at the following link at the scheduled time: [Lake Resources | Investor Webinar – August 2025](#).

The webinar will be viewable by investors who have signed up to Lake’s Investor Hub, available through Lake’s public website. To register, sign up to the Lake’s Investor Hub by clicking [here](#). If you already have an account, click on the “Log in” button.

If you have a question, please submit it via InvestorRelations@lakeresources.com.au or log onto Lake’s Investor Hub.

¹ Refer to ASX Announcement dated 3 June 2025

² See table at the end of the announcement with a breakdown of each category

³ Refer to <https://lilacsolutions.com/news/lilac-unveils-latest-generation-technology>

⁴ Refer to ASX Announcement dated 19 July 2025

⁵ Refer to ASX Announcement dated 2 July 2025

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.

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.

Mineral Resources Breakdown Table

Measured Mineral Resource May 2025 (to 600 m depth)

Unit	Sediment Volume m ³	Specific Yield %	Brine volume m ³	Liters	Li mg/L	Li grams	Li Tonnes	Tonnes LCE
A	10,339,000,000	0.078	806,442,000	806,442,000,000	0.210	169,352,820,000	169,000	901,000
B	4,385,500,000	0.088	385,740,000	385,740,248,000	0.229	88,334,517,000	88,000	470,000
C to 400	7,561,800,000	0.068	514,202,000	514,202,400,000	0.230	118,266,552,000	118,000	629,000
Fan West to 400	11,088,000,000	0.095	1,053,360,000	1,053,360,000,000	0.220	231,739,200,000	232,000	1,233,000
C to 400	7,561,800,000	0.068	514,202,000	514,202,400,000	0.230	118,266,552,000	118,000	629,000
K24 -K25 below 400	7,744,200,000	0.093	720,211,000	720,210,600,000	0.250	180,132,593,000	180,000	958,000
Total	41,118,500,000		3,479,955,000	3,479,955,248,000		787,825,682,000	788,000	4,191,000

Indicated Mineral Resource May 2025 (to 600 m depth)

Unit	Sediment Volume m ³	Specific Yield %	Brine volume m ³	Liters	Li mg/L	Li grams	Li Tonnes	Tonnes LCE
A South	3,694,300,000	0.076	278,924,000	278,924,453,000	0.181	50,485,326,000	50,000	269,000
B South	1,489,000,000	0.075	111,544,000	111,543,670,000	0.179	19,927,611,000	20,000	106,000
C South	4,434,492,000	0.067	297,111,000	297,110,964,000	0.182	54,076,275,000	54,000	288,000
A North	3,075,200,000	0.095	292,144,000	292,144,000,000	0.232	67,776,824,000	68,000	361,000
B North	4,294,400,000	0.102	438,029,000	438,028,800,000	0.241	105,431,342,000	105,000	561,000
C North	4,115,300,000	0.102	419,761,000	419,760,600,000	0.182	76,396,429,000	76,000	406,000
D North	5,073,100,000	0.102	517,456,000	517,456,200,000	0.182	94,177,028,000	94,000	501,000
K21	8,304,500,000	0.065	541,394,000	541,393,608,000	0.192	103,822,511,000	104,000	552,000
Under Measured ABC 400-600	7,453,100,000	0.067	501,818,000	501,817,968,000	0.242	121,529,774,000	122,000	647,000
Under Measured Fan 400 - 600	3,775,900,000	0.063	239,343,000	239,343,351,000	0.242	57,850,485,000	58,000	308,000
Total	45,709,292,000		3,637,524,000	3,637,523,614,000	0	751,473,605,000	751,000	3,998,000

Combined Measured and Indicated

	86,827,792,000	-	7,117,478,861	7,117,478,861,140	-	1,539,299,286,959	1,539,299	8,189,000
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Inferred May 2025

Unit	Sediment Volume m ³	Specific Yield %	Brine volume m ³	Liters	Li mg/L	Li grams	Li Tonnes	Tonnes LCE
A	3,870,500,000	0.08	309,640,000	309,640,000,000	0.185	57,283,400,000	57,000	305,000
B	1,569,100,000	0.079	123,959,000	123,958,900,000	0.191	23,676,150,000	24,000	126,000
C	5,446,470,000	0.074	404,338,000	404,338,308,000	0.218	88,218,532,000	88,000	469,000
Fan North	9,109,970,000	0.102	929,217,000	929,216,940,000	0.232	215,578,330,000	216,000	1,147,000
Fan South	2,767,500,000	0.093	257,378,000	257,377,500,000	0.239	61,513,223,000	62,000	327,000
Under volcano	6,718,700,000	0.074	500,187,000	500,187,059,000	0.193	96,425,185,000	96,000	513,000
Total	29,482,240,000	-	2,522,621,000	2,522,620,663,000	-	542,294,093,000	542,000	2,885,000

Note: This table has been directly extracted from the JORC update announced on 3 June 2025. Lake confirms that it is not aware of any information that materially affects the information included in Lake's JORC update announced to ASX on 3 June 2025 and all material assumptions contained in that announcement continue to apply and have not materially changed.