25 January 2022 ASX:LKE | FRA:LK1 | OTC:LLKKF

R E S O U R C E S

CLEANER LITHIUM FOR AN ELECTRIC WORLD

Kachi Lithium & Direct Lithium Extraction

Steve Promnitz - Managing Director, Lake Resources



Disclaimer

General Statement and Cautionary Statement

This presentation has been prepared by Lake Resources N.L (Lake) for information purposes and meetings with sophisticated and professional investors, institutional investors and brokers and not any particular party. The information in this presentation is based upon public information and internally developed data and reflects prevailing conditions and views as of this date, all of which are accordingly subject to change. The information contained in this presentation is of general nature and is not intended to address the circumstances of any particular individual or entity. There is no guarantee that the information is accurate as of the date it is received or that it will continue to be accurate in the future. No warranties or representations can be made as to the origin, validity, accuracy, completeness, currency or reliability of the information. No one should act upon such information without appropriate professional advice after a thorough examination of the particular situation. Lake Resources NL accepts no responsibility or liability to any party in connection with this information or views and Lake disclaims and excludes all liability (to the extent permitted by law) for losses, claims, damages, demands, costs and expenses of whatever nature arising in any way out of or in connection with the information, its accuracy, completeness or by reason of reliance by any person on any of it. The information regarding projects described in this presentation are based on exploration targets, apart from the Kachi project's resource statement. The potential quantity and grade of an exploration target is conceptual in nature, with insufficient exploration to determine a mineral resource and there is no certainty that further exploration work will result in the determination of mineral resources or that potentially economic quantities of lithium will be discovered. Some leases are located within and around the Orocobre, Orocobre/Advantage Lithium and Ganfeng/Lithium Americas projects and although data is limited within the properties, the leases may cover potential extensions to the Cauchari/Olaroz projects with potential extensions to aquifers, although this provides no assurance that any resource will be identified on the Lake leases. The lithium pegmatite leases occur adjacent to past producers of spodumene but no potential extension to any mineralisation can be assured.

Forward Looking Statements

Certain statements contained in this presentation, including information as to the future financial performance of the projects, 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 presentation 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.

Competent Person Statement

The information contained in this presentation relating to Exploration Results has been compiled by Mr Andrew Fulton. Mr Fulton is a Hydrogeologist and a Member of the Australian Institute of Geoscientists and the Association of Hydrogeologists. Mr Fulton has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a competent person as defined in the 2012 edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Andrew Fulton is an employee of Groundwater Exploration Services Pty Ltd and an independent consultant to Lake Resources NL. Mr Fulton consents to the inclusion in this presentation of this information in the form and context in which it appears. The information in this presentation is an accurate representation of the available data to date from initial exploration at the Kachi project and initial exploration at the Cauchari project.



Lake Resources - Clean Lithium Solution for Cathodes.

99.97%

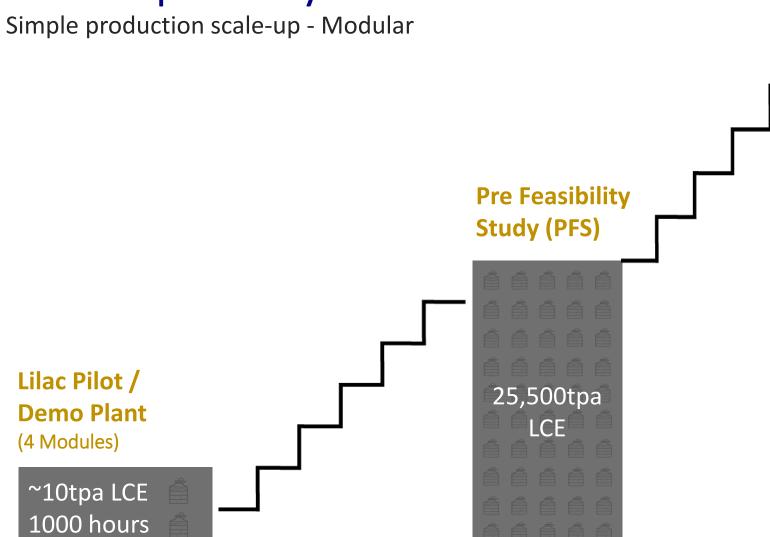
High Purity lithium carbonate. Confirmed in 622 batteries.

+ Significant ESG benefits.

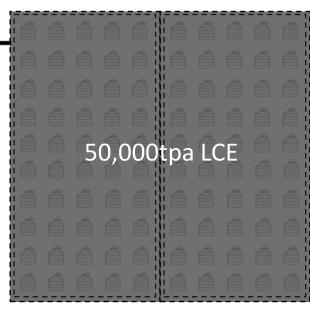
- **CLEANER LITHIUM** Lake's 99.97% purity product high battery quality lithium carbonate= higher battery performance.
- CLEANER TECHNOLOGY: Lilac direct lithium extraction superior to traditional process. Supported by tech sector and battery/EV makers.
- **CLEANER ENVIRONMENT**: Lithium with ESG benefits. Small environmental footprint low CO₂, less water, low land use.
- CLEARER PATHWAY: Path to production; Successful pilot plant module; Large, scalable project, high margin. Indicative debt funding for 70% of Kachi project
- INDEPENDENT PRODUCER AT SCALE: New clean lithium from a scalable independent producer



Clearer pathway



Definitive Feasibility Study (DFS)*



Lithium carbonate production Option for lithium hydroxide production



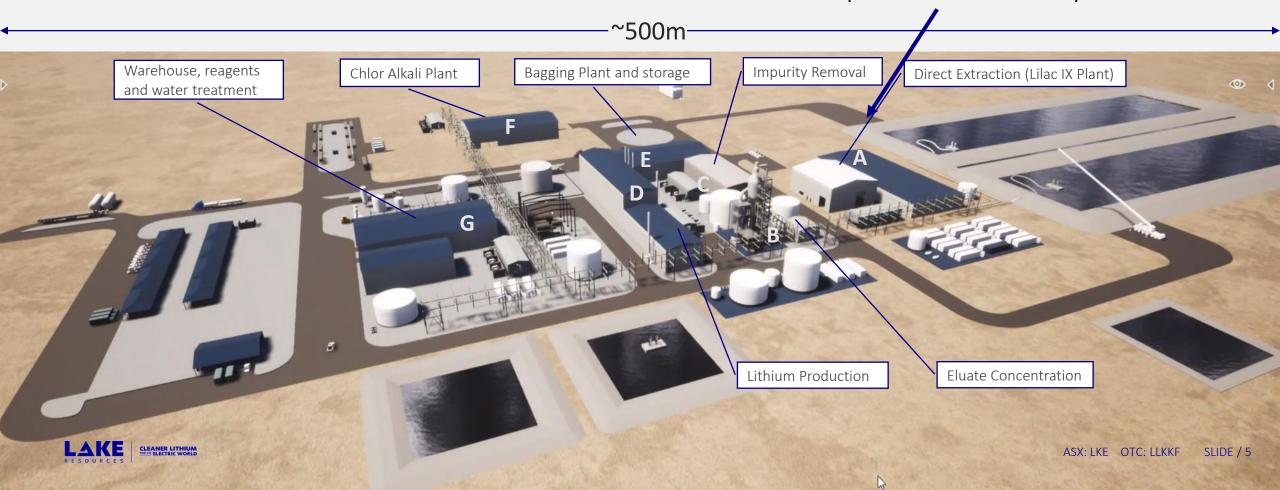
^{*} Note: DFS requires drilling (underway) to upgrade more Inferred Resources to Measured and Indicated Resources.

Kachi project

Proposed plant design



One building with Ion Exchange Modules Replaces 20-30km² of Evaporation Ponds





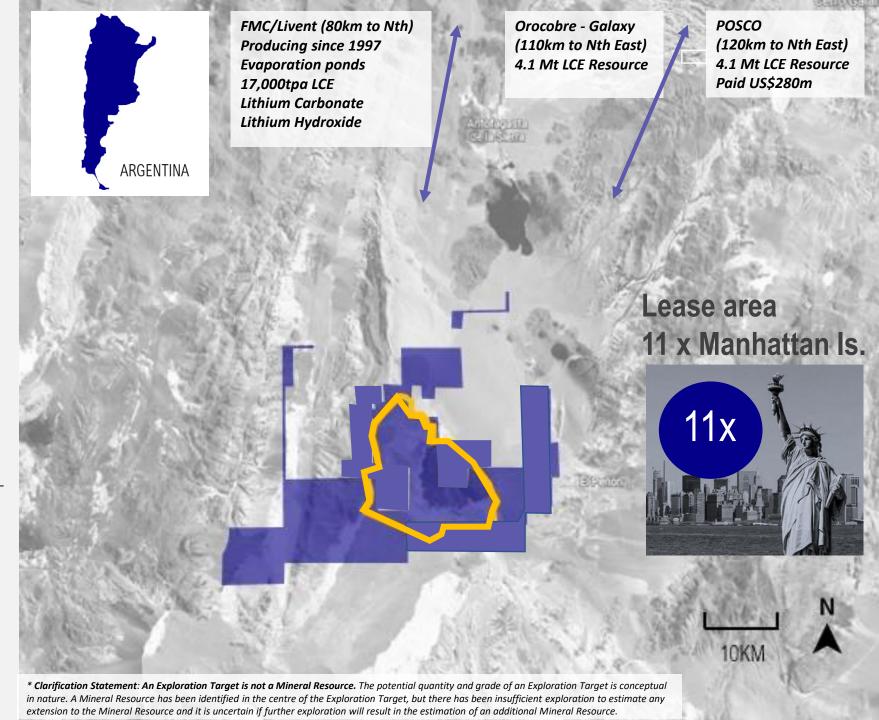
Kachi Project.



Exploration Target 8Mt – 17Mt LCE Potential*

JORC certified combined lithium resource of 4.4 million tonnes LCE.
Indicated Resource 1.0Mt LCE 290mg/L
Inferred Resource 3.4Mt LCE 210mg/L

Leases cover the entire area of interest in this large basin



Kachi PFS metrics

Compelling economics

Pre-Feasibility Study results

Mineral Resource* (Indicated)

1.01Mt

Annual production Li₂CO₃

25,500tpa

Annual EBITDA

US\$260m

Project life

25+ years

Expansion Study Underway

51,000tpa#

CAPEX

US\$544m

Cash cost

US\$4,178/t

Annual operating costs

US\$107m

Project Finance

70% debt##

Post-tax NPV8

US\$1,580m**

IRR post-tax

35%

Note: Results based on PFS Study Assumptions (refer ASX releases 30 Apr 2020, 17 March 2021)

Discussions with Export Credit Agencies Underway; Indications of c. 70% debt over 8-10 years



^{*}Based on Indicated Resource 1.0Mt @290mg/L lithium

^{**}Assuming US\$15,500/t lithium carbonate price (CIF Asia) (refer ASX release 17 March 2021)

[#] Expansion study to double production, but not confirmed

Kachi Project Finance Support

UK Export Finance & Canada EDC – Export Credit Agencies Support Expression of Interest - Funding to ~70% of Total Required – including Expansion





Project Finance

~70% debt##

CAPEX

US\$544m

Debt Duration

10-11 years*

Annual production Li₂CO₃

25,500tpa

Project life

25+ years

Expansion Study Support

51,000tpa#

Note: Expression of Interest subject to standard project finance terms (refer ASX release 11 Aug 2021)

Expansion study to double production, but not completed ## Indicative level of support c. 70% debt over 8.5 years post construction UK Export Finance provided Expression of Interest to support ~70% of the total finance required Incl. Canada EDC up to US\$100m.

- Subject to standard project finance terms, including DFS, ESIA and offtake
- Support for expansion to 51,000 tpa
- 8.5 year debt funding post construction
- Significantly lower cost of capital than traditional debt financing and Reflects ESG benefits of project



^{* 8.5} years Post Construction

Clearer pathway

Lake's high purity lithium tested and proven in batteries



Lake's lithium carbonate demonstrated in batteries

- Lake's product premium battery quality
- Performs like Tier 1 products in NMC622 batteries
- Only 50-60% of lithium production is battery quality

Battery technology leader (ASX:NVX; OTCQX:NVNXF)

 Clients include Panasonic, CATL, Samsung, SK, LG Chem, Bosch, Honda & Dyson

Lake Lithium Carbonate High Purity

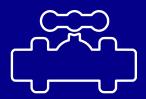
Chemical Component	Actual (wt%)	Target
Lithium (Li)	99.9	99.5 Min
Sodium (Na)	0.024	0.025 Max
Magnesium (Mg)	<0.001	0.008 Max
Calcium (Ca)	0.0046	0.005 Max
Iron (Fe)	<0.001	0.001 Max
Silicon (Si)	<0.001	0.003 Max
Boron (B)	<0.001	0.005 Max

Source: LKE announcement 20/10/2020



Project Production Timeline

2021 – Q2, 2022



DFS ESIA

Definitive Feasibility Study to 50,000tpa LCE 2021 – Q2, 2022



Demonstration Plant

Q1,2022 Demo Plant Onsite 2021-22 Samples in Batteries 2022 Samples to Offtakers 2021 – Q2, 2022



Financing

Project Finance
Export Credit Agencies
Indicative 70% debt 11 years
Triggered by DFS, ESIA

Q3,Q4 2022



Construction / Production

Mid-Late 2022 Approvals/ Construction starts

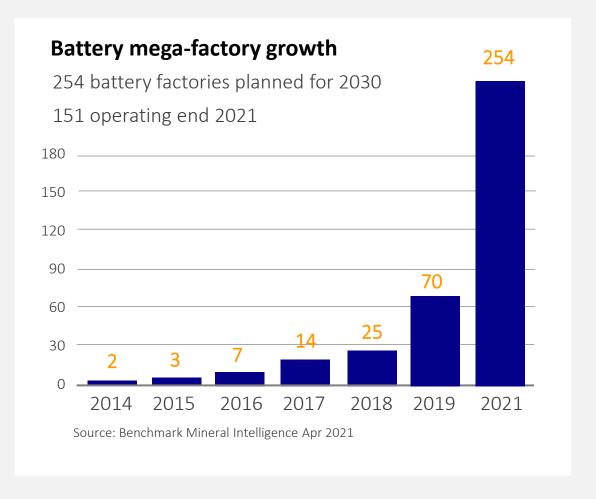
> 2024 Production 50,000tpa LCE rate



Scarce Battery Materials Market needs 10x more lithium production by 2030.

- Lithium-ion batteries represent a megatrend
 one of 21st Century's largest growth areas
- 3000+% growth by 2040 Benchmark Minerals Intel Nov 2021
- "EV makers Next Headache –
 Scarce Battery Materials"

Benchmark Minerals Intelligence, Wall Street Journal, Jan 2022



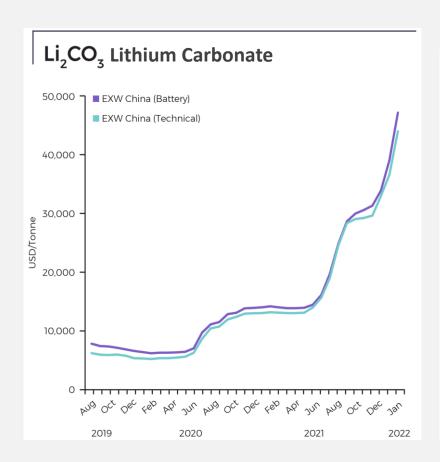


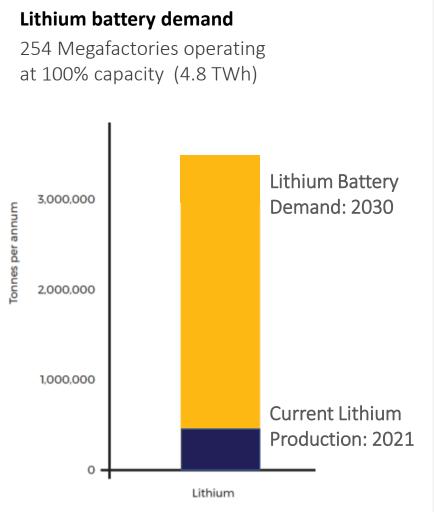
Rising Lithium Price Limited New Supply

Lithium carbonate prices up 400% in 15 months to US\$43,000-52,000/t in January 2022.

Demand running at 3 times new supply.

COP26 EV targets require 7Mt LCE







Cathode Lithium Supply Issues

- **NEW LITHIUM SUPPLY:** 10x more supply needed in 10years. Need new entrants.
- SCALE OF NEW SUPPLY: New supply needs to scale up to be significant.
- HIGH BATTERY QUALITY QUALIFIED: End users prefer high quality inputs rigorous qualification process.
- CLEANER SUSTAINABLE SUPPLY: ESG becoming a key driver of consumers legislated in the EU.
- INDEPENDENT DIVERSIFIED SUPPLY: End users prefer diversified supply. Independence valued.



World's cleanest lithium.

Four lithium projects in heart of the Lithium Triangle.

Large leaseholding 2,200km² (550,000 acres)

World's five largest producers all have equity in operations in the Lithium Triangle.





Cauchari project / Olaroz Project

Next lithium projects through development

Cauchari - Identical lithium brines as adjoining Ganfeng/Lithium Americas development

Lake's brines being tested for direct lithium extraction

Cauchari and Olaroz - Scoping study and resource drilling planned for 2021/22









Source: Jujuy Registro Grafico; Company disclosures

LAKE RESOURCES

OLAROZ ACREAGE



PAS0

GANFENG LITHIUM AMERICAS

30km likely extension.

OROCOBRE

Literary

6.4Mt LCE Resource

23.0Mt LCE Resource

Production Plant

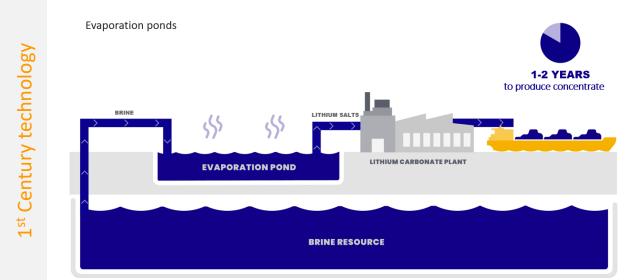
OLAROZ

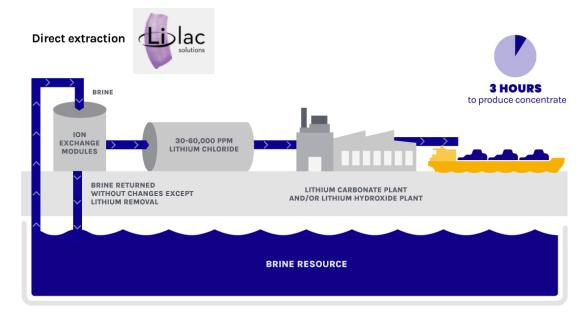




Brine in – Lithium chloride out

- High purity
- Faster process
- High recovery
- Sustainable No brine heating
- Cost competitive Durable beads
- Scalable
- Proven in pilot plant Extensive test work





21st Century technology



Delivers a Cleaner Environment

Smaller environment footprint – Low Land use - Lower water use – No brine depletion

Atacama Projects – Brine evaporation (170km2)



Kachi Project – Lake/Lilac DLE (1km2)

Brine Returned to Source



Delivers a Cleaner Environment

Smaller carbon footprint – Lower greenhouse gases

Kg CO₂e/kg product



Note: Hard Rock = Spodumene converted to Lithium Hydroxide as LCE in China using coal for energy; Brine evaporation in Sth America Source: SQM presentation June 2020; Roskill Nov 2020; Lake/Lilac estimates with solar hybrid power — prelim study being undertaken

Sustainable lithium

Lake / Lilac DLE method

- Low CO₂ footprint
- Low water usage
- Low land use

Bloomberg Green

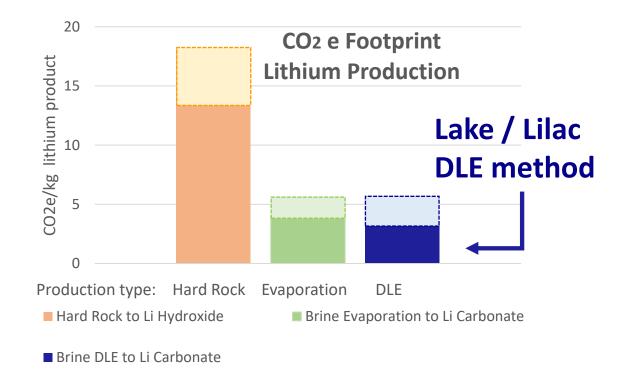
Energy & Science

Bill Gates-Led Fund Invests in Making Lithium Mining More Sustainable

Lilac Solutions has developed a process for extracting lithium that drastically cuts water use.

By <u>Akshat Rath</u>

February 20, 2020, 4:00 PM GMT+11



ESG Sustainable Development Goals



















ASX: LKE OTC: LLKF







Partnership- Lilac Solutions + Kachi Project Aligns Climate Tech with Upstream Lithium Supply

- Lilac to Earn in to Kachi Project up to max 25% stake via performance based milestones
 - Initial 10% Lilac funds completion of testing of its technology for the Kachi Project
 - Further 10% Lilac funds on-site demonstration plant at Kachi and satisfies all agreed testing criteria
 - Final 5% Kachi lithium product achieves highest agreed qualification standards with certain offtakers
- Lilac to Contribute c.US\$50 million to Kachi Project, once earn in complete (pro-rata development funding)
- Lilac has major tech sector supporters aligns breakthrough climate tech with upstream ESG lithium Aligns breakthrough Climate Tech investment with upstream environmentally friendly battery materials supply. Lilac completed US\$150m Series B funding round from successful tech investors and battery/EV makers
- Lake with Lilac New independent clean lithium producer with scale



Lilac Solutions – Investors

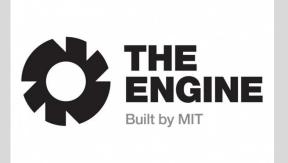
Successful Tech Investor Backing with EV supply chain participants – Recent US\$150m investment

















Leadership

Board background in resources and Argentina.

New COO. On site team being expanded for construction













Steve Promnitz
MANAGING
DIRECTOR & CEO
Debt, Equities and
Extensive Project
Management
experience in South
America & SE Asia —
geologist and finance
experience — with
major companies (Rio,
Citi) and mid-tiers.

Stu Crow
CHAIRMAN
NON-EXEC
More than 25 years
of experience
(numerous public
companies) and in
financial services.

Dr Nicholas
Lindsay
EXEC TECHNICAL
DIRECTOR
30 years of
experience in
Argentina/Chile/Peru
(PhD in Metallurgy &
Materials
Engineering); Major
companies (Anglo)
and taken companies
through development
in South America.

Trzebski
NON-EXEC DIRECTOR
International mining
executive; 30 years
experience in
operational,
commercial and
technical roles in
global mining incl.
Argentina. Extensive
global contacts. Chief
Operating Officer of
Austmine.

Dr Robert

Amalia Saenz
NON-EXEC DIRECTOR
Experienced
energy/natural
resources lawyer
based in Buenos
Aires, Argentina.
Partner at law firm,
Zang, Bergel & Viñes.
Previously worked as
Legal Manager in
Central Asia and UK.

Gautam
Parimoo
CHIEF OPERATING
OFFICER
Successful project
director. 25 years
in Latin America.
Incl studies,
construction &
pre-production of
several large-scale
projects in South
America.

Peter Neilsen
CHIEF FINANCIAL
OFFICER/ COY
SECRETARY
Chartered accountant
>20 years' experience
in all facets of
financial & asset
management as
senior executive
positions in the
energy and natural
resources sector
(Barrick, Xstrata).



Corporate snapshot

Share price

A\$0.98 US\$0.70

24 Jan 2022 (10 day VWAP) 52 week high \$1.18c, low \$0.20c

Shares on issue

1.227bn

Market capitalisation

A\$1210m US\$870m

Institutional Investors

.... Australia, USA, EU

Cash 31 Dec 2021 (Estimate)

~A\$70m US\$50m

Debt

Zero

Listed Options

83.9m

A\$0.75 options, 15 June 2022 expiry

Unlisted Options

11.4m

A\$0.30 options, Mar 2023 expiry

37.0m

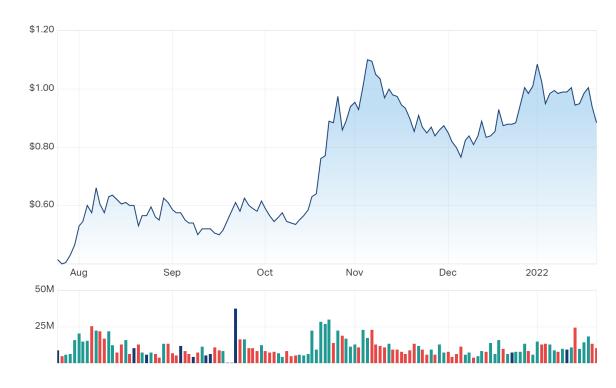
A\$0.55 options, Dec 2024 expiry

5.7m

A\$0.49 options, Aug 2024 expiry

Half year share price chart

LKE Chart





Lake Resources – Value Drivers

- High purity lithium with high lithium price
- Unallocated supply is valuable offtakes with market pricing
- Major ESG benefits
- Independent producer at scale, with de-risked finance



Lake Resources - Clean Lithium Solution

- World's highest purity lithium
- Technology-led direct extraction
- Major ESG benefits
- New independent clean producer
 - at scale, with de-risked finance

Steve Promnitz - Managing Director steve@lakeresources.com.au

lakeresources.com.au







Mineral Resource (JORC Code 2012)

Kachi Project

Lithium carbonate equivalent (LCE)

Indicated

1.0Mt

Inferred

3.4Mt



KACHI LITHIUM BRINE PROJECT	MINERAL RESOURCE ESTIMATE					
JORC Code 2012 Edition	Indicated		Inferred		Total Resource	
Area, km²	17.1		158.3		175.4	
Aquifer volume, km³	6		41		47	
Brine volume, km³	0.65 3.2		3.8			
Mean drainable porosity %	1	0.9	0.9 7.5		7.9	
Element	Li	K	Li	K	Li	K
Weighted mean concentration, mg/L	289	5,880	209	4,180	211	4,380
Resource, tonnes	188,000	3,500,000	638,000	12,500,000	826,000	16,000,000
Lithium Carbonate Equivalent (LCE), tonnes	1,005,000		3,394,000		4,400,000	
Potassium Chloride, tonnes	6,705,000		24,000,000		30,700,000	
Lithium is converted to lithium carbonate (Li2CO3) with a conversion factor of 5.32 Potassium is converted to potassium chloride (KCl) with a conversion factor of 1.91						

Lake Lithium Carbonate High Purity

Chemical Component	Actual (wt%)	Target
Lithium (Li)	99.9	99.5 Min
Sodium (Na)	0.024	0.025 Max
Magnesium (Mg)	<0.001	0.008 Max
Calcium (Ca)	0.0046	0.005 Max
Iron (Fe)	<0.001	0.001 Max
Silicon (Si)	<0.001	0.003 Max
Boron (B)	<0.001	0.005 Max

Source: LKE announcement 20/10/2020

JORC Code 2012

Criteria	Section 1 - Sampling Techniques and Data
Sampling techniques	• Brine samples were taken from the diamond drill hole with a bottom of hole spear point during advance and using a straddle packer device to obtain representative samples of the formation fluid by purging a volume of fluid from the isolated interval, to minimize the possibility of contamination by drilling fluid then taking the sample. Low pressure airlift tests are used as well. The fluid used for drilling is brine sourced from the drill hole and the return from drillhole passes back into the excavator dug pit lined to avoid leakage.
	 The brine sample was collected in a clean plastic bottle (1 litre) and filled to the top to minimize air space within the bottle. A duplicate was collected at the same time for storage and submission of duplicates to the laboratory. Each bottle was taped and marked with the sample number. Drill core in the hole was recovered in 1.5 m length core runs in core split tubes to minimize sample disturbance.
Drilling techniques	 Drill core was undertaken to obtain representative samples of the sediments that host brine. Diamond drilling with an internal (triple) tube was used for drilling. The drilling produced cores with variable core recovery, associated with unconsolidated material, in particularly sandy intervals. Recovery of these more friable sediments is more difficult with diamond drilling, as this material can be washed from the core barrel during drilling. Rotary drilling has used 8.5" or 10" tricone bits and has produced drill chips. Brine has been used as drilling fluid for lubrication during drilling.
Drill sample recovery	Diamond drill core was recovered in 1.5m length intervals in the drilling triple (split) tubes. Appropriate additives were used for hole stability to maximize core recovery. The core recoveries were measured from the cores and compared to the length of each run to calculate the recovery. Chip samples are collected for each metre drilled and stored in segmented plastic boxes for rotary drill holes. Brine samples were collected at discrete depths during the drilling using a double packer over a 1 m interval (to isolate intervals of the sediments and obtain samples from airlitting brine from the sediments within the packer). As the brine (mineralisation) samples are taken from inflows of the brine into the hole (and not from the drill core – which has variable recovery) they are largely independent of the quality (recovery) of the core samples. However, the permeability of the lithologies where samples are taken is related to the rate and potentially lithium grade of brine inflows.
Logging	Sand, clay, xill, salt and cemented rock types was recovered in a triple tube diamond core drill tube, or as chip samples from rotary drill holes, and examined for geologic logging by a geologist and a photo taken for reference. Diamond holes are logged by a senior geologist who also supervised taking of samples for laborator porosity analysis as well as additional physical property testing. Logging is both qualitative and quantitative in nature. The relative proportions of different lithologies which have a direct bearing on the overall porosity, contained and potentially extractable brine are noted, as are more qualitative characteristics such as the sedimentary facies and their relationships. When cores are split for sampling they are photographed.
Sub-sampling techniques and sample preparation	Brine samples were collected by packer and spear sampling methods, over a metre. Low pressure airlift tests are used as well to purge test interval and gauge potential yields. The brine sample was collected in one-litre sample bottles, rinsed and filled with brine. Each bottle was taped and marked with the sample number.
Quality of assay data and laboratory tests	The Alex Stewart Argentina/Nor lab SA in Palpala, Jujuy, Argentina, is used as the primary laboratory to conduct the assaying of the brine samples collected as part of the sampling program. The SGS laboratory in Buenos Aires has also been used for both primary and check samples. They also analysed blind control samples and duplicates in the analysis chain. The Alex Stewart/Norlab SA laboratory and the SGS laboratory are ISO 9001 and ISO 14001 certified, and are specialized art of the samples of times a stewart and can be specialized at the stewart of the samples of th
Verification of sampling and assaying	 Field duplicates, standards and blanks will be used to monitor potential contamination of samples and the repeatability of analyses. Accuracy, the closeness of measurements to the "true" or accepted value, will be monitored by the insertion of standards, or reference samples, and by check analysis at an independent (or umpire) laboratory. Duplicate samples in the analysis chain were submitted to Alex Stewart/Norlab SA or SGS laboratories as unique samples (blind duplicates) during the process Stable blank samples (stilled water) were used to evaluate potential sample contamination and will be inserted in future to measure any potential cross contamination Samples were analysed for conductivity using a hand-held Hanna pH/EC multiprobe. Regular calibration using standard buffers is being undertaken.
Location of data points	The diamond drill hole sample sites and rotary drill hole sites were located with a hand-held GPS. The properties are located at the junction of the Argentine POSGAR grid system Zone 2 and Zone 3 (UTM 19) and in WOSSA Zone 19 south.
Data spacing and distribution Orientation of data in	Brine samples were collected over 1m intervals every 6 m intervals within brine producing aquifers, where this was possible. The salt lake [solar) deposits that contain lithium-bearing brines generally have sub-horizontal beds.
relation to geological structure	and lenses that contain sand, gravel, salt, silt and clay. The vertical diamond drill holes will provide a better understanding of the stratigraphy and the nature of the sub-surface brine bearing aquifers
Sample security	 Samples were transported to the Alex Stewart/Norlab SA laboratory or SGS laboratory for chemical analysis in sealed 1-litre rigid plastic bottles with sample numbers clearly identified. Samples were transported by a trusted member of the team. The samples were moved from the drillhole sample site to secure storage at the camp on a daily basis. All brine sample bottles sent to the laboratory are marked with a unique label not related to the location.
Review (and Audit)	 No audit of data has been conducted to date. However, the CP has been onsite periodically during the programme. The review included drilling practice, geological logging, sampling methodologies for water quality analysis and, physical property testing from drill core, QA/QC control measures and data management. The practices being undertaken were ascertained to be appropriate.
	EANER LITHIUM

Appendix 1 - Kachi Project

The geological interpretation was used to define each geological unit and the property limit was used

Moisture content of the cores was not Measured (porosity and density measurements were made), but as brine will be extracted by pumping not mining this is not relevant for the resource estimation.

Tonnages are estimated as elemental lithium and potassium dissolved in brine.

to enclose the reported resources.

No cut-off grade has been applied.

	Criteria	Section 2 - Mineral Tenement and Land Tenure Status	Mining factors or	The resource has been quoted in terms of brine volume, concentration of dissolved elements,
	Mineral tenement and land tenure status	The Kachi Lithium Brine project is located approximately 100km south-southwest of Livent' (FMC's) Hombre Muerto lithium operation and 45km south of Antofagasta de la Sierra in Catamarca province of north western Agentina at an elevation of approximately 3,000m asl. The project comprises approximately 70,462 Ha in thirty seven mineral leases (minas) of which five leases (9,445 Ha) are granted for drilling, twenty two leases are granted for initial exploration (44,328 Ha) and tenses (16,689 Ha) are applications pending granting. The tenements are believed to be in good standing, with statutory payments completed to relevant government departments.	assumptions	contained lithium and potassium and their products lithium carbonate and potassium chloride. No mining or recovery factors have been applied although the use of the specific yield (drainable porosity) is used to reflect the reasonable prospects for economic extraction with the proposed mining methodology. (Recoveries of Sissi filthium have been used in the PS for the direct processing method) most of the production of brine concentrations may occur over time and typically there are lithium and potassium losses in both the storage ponds and processing plant in brine extraction operations. However, potential dilution will be estimated in the groundwater model simulating brine extraction. The conceptual mining method is recovering brine from the Sist Lake via a network of wells, the established practice on existing lithium and potash brine projects. Detailed hydrological studies of the lake are being undertaken (groundwater modelling) to define the
-	Exploration by other parties		Metallurgical factors or assumptions	estractable resources and potential extraction rates. Lithium carbonate is targeted as the commercial product. Lithous carbonate is targeted as the commercial product. Lithous carbonate is targeted as the commercial product. Lithium carbonate is targeted as high grade Lit Claudes (30,000 to 60,000 mg/L lithium), which is processed in a conventional lithium carbonate plant by reaction with sodium carbonate: Process work has been undertaken by Little Solutions, which is an expert laboratory in the treatment of brines by on exchange. Bench tests include short and ong-term tests using ion exchange media and brine from Kachi to district the commercial production of the PS Adabbit of commercial products and the PS Adabbit of commercial products the commercial products and the PS Adabbit of commercial products the commercial products and the PS Adabbit of commercial products the commercial products and the PS Adabbit of commercial products the commercial products and the PS Adabbit of commercial products the commercial products and the PS Adabbit of commercial products and the p
	Geology Drill hole Information	The known sediments within the safar consist of salf/halite, clay, sand and slit horizons, accumulated in the safar from terrestrial sediments and evaporation of brines. Brines within the Safat Lake are formed by solar concentration, interpreted to be combined with warm geothermal fluids, with brines hosted within sedimentary units. Geology was recorded during the diamond drilling and from chip samples in rotary drill holes. 15 drill holes completed, totaling 3150 metres with varying depths up to 403 metres.		equivalent to metallurigical test work) is being carried out on the brine following initial test work. Pilot plant module test-work has commenced using Kachi brine using Lilac Solutions ion exchange direct extraction method. 20,000 litres of Kachi brine was being processed by Lilac into concentrated lithium chloride (cluate). Hare Research inc has demonstrated the conversion of lithium chloride from the pilot module into larger volumes of high purity lithium carbonate with purity 99.97% with very low levels of impurities. Hazen processed the cluate from Lilac to produce the lithium carbonate sample using reduction of
	Data aggregation methods Relationship between	1. It will notice the process. Octoming 5.3ch refers with a varying begins up to 4.0ch or necess. It will not be the process of the pro		water through evaporation, treatment with sodium hydroxide and soda ash, ion exchange, precipitation, filtering and recrystalization. Due to the high purity of the lithium cathorate, the lithium is reported as 100% minus the sum of impurities, ICP-MS and ICP-MS as savey from the Hazen Research lab were used to assess impurities. Interior leaderment circuits with HCI was performed for total ultilum, run in deplicate and resulted transportation of the control of the c
	mineralisation widths and intercept lengths Diagrams	A drill hole location plan is provided showing the locations of the drill platforms, Individual drill		 To ensure consistency of the processing and analysis with industry standards, Dr Nick Welham was consulted and reviewed the results and calculations of purity. This work is vet to be integrated into the resource model.
	Balanced reporting Other substantive exploration data Further work	locations are provided in Table 1. Brine assay results are available from 15 drill holes from the drilling to date, reported here. There is no other substantive exploration data available regarding the project. Further water well drilling is planned to expand the resource and test pumping rates.	Environmental factors as assumptions	Impacts of a lithium operation at the Each projects and linking surface disturbance from the impacts of a lithium operation at the Each projects availed infrastructure, accumulation of various salt tailings impoundments and extraction from brine and fresh water aguifers regionally, Environmental management plan for the protection of wetlands, salt takes, and surrounds. Consultation with communities in the area of influence of the project. Environmental impact analysis on e-poing.
	Criteria Database integrity	Section 3 – Estimation and Reporting of Mineral Resources Data was transferred directly from laboratory spreadsheets to the database. Data was checked for transcription errors once in the database to ensure coordinates, assay values, and lithological codes were correct. Data was plotted to check the spatial location and relationship to adjoining sample points. Duplicates and standards have been used in the assay process.	Bulk density Classification	 Environmental impact analysis on-going. Density measurements were taken as part of the drill core assessment. This included determining dry density and particle density as well as field measurements for brine density. Note that no mining is to be carried out as brine is to be extracted by pumping and consequently sediments are not mixed. The control of the control of th
-	Site visits Geological Interpretation	Brine assays and porosity test work have been analysed and compared with other publicly available information for reasonableness. Comparison of original and current datasets were made to ensure no lack of integrity. The Competent Person visited the site multiple times during the drilling and sampling program Some improvements to procedures were made during visits by the Competent Person. The geological model is continuing to develop. There is a high level of confidence in the interpretation.		The indicated resource reflects the higher confidence in the brine sampling in the rotary drilling and lower quality geological control from the drill cuttings. The inferred resource underlying the Measured and/or indicated resource reflects the limited drilling to this depth together with the geophysics through the property. In the view of the Competent Person the resource classification is believed to adequately reflect the available data and is consistent with the suggestions of Houston et. al., 2011
-		of the exploration results to date. There are relatively consistent geological units with relatively uniform clastic sediments • Any alternative interpretations are restricted to smaller scale variations in sedimentology, related to changes in grain size and fine material in units • Data used in the interpretation includes rotary and diamond drilling methods • Drilling depths and geology encountered has been used to conceptualise hydro-stratigraphy • Sedimentary processes affect the continuity of geology, whereas the concentration of lithium and potassium and other elements in the brine is related to water inflows, evaporation and brine evolution in the Salt Lake.	Audits or reviews Discussion of relative accuracy/ confidence	The Mineral Resource was estimated by the Competent Person. An independent estimate of the resource was completed using a nearest neighbour estimate and the comparison of the results with the ordinary kriging estimate is below 0.3% for measured resources and below 3% for indicated resources which is considered to be acceptable. Univariate statistics for global estimation bias, visual inspection against samples on plans and sections, swath plots in the north, south and vertical directions to detect any spatial bias shows a good agreement between the samples and the ordinary kriging estimates.
-	Dimensions Estimation and modelling	The lateral extent of the resource has been defined by the boundary of the Company's properties. The brine mineralisation subsequently covers 175 km? The top of the model coincides with the topography obtained from the Shuttle Radar Topography Mission (SRTM). The original elevations were locally adjusted for each borehole coiliar with the most accurate coordinates available. The base of the resource is limited to a 400 m depth. The basement rocks underlying the Salt Lake sediments have been intercepted in drilling. The resource is defined to a depth of 400 m below surface, with the exploration target immediately extending beyond the aerial extent of the resource. No grade cutting or capping was applied to the model.		
	techniques	 No assumptions were made about correlation between variables. Lithium and potassium were estimated independently. 		

