LAKE RESOURCES
ASX: LKE

Lithium - Size; Best Location
Kachi – Large Resource; New Tech
Cauchari /Olaroz - Adjoin Production
Update – Post Maiden Kachi Resource
January 2019
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. The potential quantity and grade of an exploration target is conceptual in nature, there has been 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 property applications are located within and around the Orocobre and Lithium Americas projects and although data is limited within the properties, the tenements 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 applications. The lithium pegmatite leases under option 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.
Investment Highlights

Lake Resources (ASX:LKE)
- Lithium exploration/development in Argentina
- 3 lithium brine & 1 hard rock lithium project
- One of Largest Lease Holdings of Lithium ~ 200,000 Ha, provides scale, optionality

Flagship Projects:

Kachi - Large Resource (Top 10); Large Target; 100% owned
- Large maiden resource: 4.4 Mt LCE (Indicated & Inferred) – In Top 10 global lithium brine resources
- Indicated: 1 Mt LCE    Inferred: 3.4 Mt LCE (Lithium Carbonate Equivalent) Defined in 1 year
- Large basin: 20km x 15km x 400-800m deep; Leases cover entire brine basin 69,000 Ha (100% LKE)
- PFS to start – development – conventional & direct extraction methods
- Direct extraction method – Lowest quartile opex costs US$2600/t LCE fcast; Reduced time to production
- Located 80km south of FMC/Livent (20 years production)

Olaroz – Cauchari
- Adjoins Orocobre/Advantage Lithium, Ganfeng/Lithium Americas
- Extensions of world class lithium brine resources - Grade, scale - Next to Production / Development
- Drilling underway 450m from major resources; pegged leases 2.5 years ago

Pegmatites
- 80,000 Ha – New modern targets in past producing pegmatite belt in Catamarca

Major Transactions in Area
- Cauchari - Next to major acquisition $237M at Cauchari (Gangfeng Aug’18) = 8x LKE market value
- Implied Acquisition Value: US$70-110 M per 1 Mt LCE resource

Undervalued vs Peers:
- Comparisons with peer lithium companies in Argentina – shows deep value in LKE
- Neighbours market value $100M to $1000M; Recent LKE research $0.73 price target
Prime Location

Center for Major Lithium Production And Development

LKE – Large Lease Holdings
Next to Majors
~200,000 Ha
3 Brine Projects, 1 Hardrock
100% owned

This land package is part of the Lithium Triangle from where ~50% of the world’s lithium is produced at the lowest costs.
Experienced Board and Management

STEVE PROMNITZ
Managing Director
Extensive Project Management experience in South America – Geologist and Finance experience

STU CROW
Chairman Non-Exec
More than 25 years of experience (numerous public companies) and in financial services

NICK LINDSAY
Non-Exec Director
25+ years of experience in Argentina/Chile/Peru (PhD in Metallurgy & Materials Engineering); Taken companies from inception to development to acquisition on projects in South America

ANDREW BURSILL
CFO/Company Secretary
Accounting / governance experience. Director, CFO and Coy - Sec of a number of ASX companies

Geologists; Hydrogeologists; Assistants
Legal & Accounting
Hydrogeologists ex-Orocobre; ex-NeoLithium
Extensive exploration experience in Argentina
Existing long term relationships with team members

Experienced Local Team
Comparisons - LKE Deep Value

Company brine resources in Argentina

Neighbor’s Mkt Value 270% to 1000% larger than LKE
With similar or smaller mineral resources

LKE Research: Significant Price Target Upside
(Dollar figures in AUD)

$0.73 / share (Nov 2018 – Fundamental)

$0.36 / share (Nov 2018 – VSA Capital)

$0.40 / share (Dec 2018 – Hunter Capital)

Source: Bloomberg 9 Jan 2019; StocknessMonster; GXY Sal de Vida resource after POSCO sale; AAL 65% equity in resource; LAC 63% equity in resource
9x Li Battery Growth = 8x Lithium Demand

More Lithium for More Batteries

150,000 t LCE Production 2017
Need 1,090,000 t LCE more production in 9 years

Minimum 8x growth
Up to 11x growth forecast by others

Lithium demand up 22% in 2018

Source: Benchmark Mineral Intelligence December 2018 and Sept 2018; Lithium Ion Battery Megafactory Assessment
Kachi Project

- Large scale; Low impurities
- Similar to projects in development
- Major Resource 4.4 Mt LCE
Kachi – Large Resource

Large Resource – 4.4 Mt LCE

- Large salt lake 20km x 15km
- Previously untested - now 15 drill holes
- 69,000 Ha mining leases & 100% Lake
- Indicated Resource 1.0Mt LCE 290mg/L
- Inferred Resource 3.4Mt LCE 210mg/L

Results:
- Good chemistry, low impurities ~320mg/L lithium (250-320mg/L)
- Low Li/Mg ratio 3.8-4.6
- Brines from surface to 400-800m depth
- High permeabilities in sand filled basin
Kachi Project: Expl Target 8-17 Mt LCE; Leases 69,000 Ha; 6800 sq km drainage

Kachi – Large Target

Large Project

New discovery

Exploration Target: 8-17 Mt LCE *
320-210 mg/L Lithium
(* see clarification statement)

Brine volume Equivalent to 25 x Sydney harbour

- Leases: Large area
- Located in lowest part of
- Large drainage: 6,800 km² (2500 sq. miles)

* Clarification Statement: An Exploration Target is not a Mineral Resource. The potential quantity and grade of an Exploration Target is conceptual in nature. A Mineral Resource has been identified in the centre of the Exploration Target, but there has been insufficient exploration to estimate any extension to the Mineral Resource and it is uncertain if further exploration will result in the estimation of an additional Mineral Resource.
Kachi – Deep Brines

Potential Expansion

- Geophysics show large deep basin with brines from surface to 400-800m depth
- Potential expansion at depth, south & west

Source: Company Disclosure, Rockwell, Investment Banking Research

Notes:
1. Bubble size represents annual production capacity forecast.
2. Bubble size represents estimated annual production capacity forecast due to lack of available production estimates.

Lake Resources Kachi Project

Galaxy GXY graph

20 km
**Kachi – Development Options**

**Direct Extraction - Rapid Low US$2600/t Opex Costs**

Kachi PFS: Conventional & new Direct Extraction methods  
- Direct extraction Pilot plant planned H1 2019

- Increases grade to 25,000 mg/L lithium
- Clean product for lithium hydroxide or carbonate
- Reduces lead time to production by at least 12 months
- Increase recoveries to 85-90% (from 40-50%)
- Doubles recoverable grade; Smaller environ footprint
- Lowest Quartile Opex Costs US$2600/t LCE Forecast in Phase 1 Engineering Study (Note: Not Feasibility Study)

Lilac Solutions selected - Innovative approach to popular ion exchange method widely used in industry

*Source: Lilac Solutions; Costs Curve – Global Lithium LLC, Roskill, Neo-Lithium (NLC)*
### Table 1 Report Kachi Lithium Project - JORC Code 2012

<table>
<thead>
<tr>
<th>RESOURCE ESTIMATE KACHI</th>
<th>Indicated</th>
<th>Inferred</th>
<th>Total Resource</th>
</tr>
</thead>
<tbody>
<tr>
<td>Area km²</td>
<td>17.10</td>
<td>158.30</td>
<td>175.40</td>
</tr>
<tr>
<td>Aquifer volume km³</td>
<td>6</td>
<td>41</td>
<td>47</td>
</tr>
<tr>
<td>Brine volume km³</td>
<td>0.65</td>
<td>3.2</td>
<td>3.8</td>
</tr>
<tr>
<td>Mean drainable porosity % (Specific yield)</td>
<td>10.9</td>
<td>7.5</td>
<td>7.9</td>
</tr>
<tr>
<td>Element</td>
<td>Li</td>
<td>K</td>
<td>Li</td>
</tr>
<tr>
<td>Weighted mean concentration mg/L</td>
<td>289</td>
<td>5,880</td>
<td>209</td>
</tr>
<tr>
<td>Resource tonnes</td>
<td>188,000</td>
<td>3,500,000</td>
<td>638,000</td>
</tr>
</tbody>
</table>

#### Competent Person’s Statement – Kachi Lithium Brine Project

The information contained in this ASX release 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 announcement of this information in the form and context in which it appears. The information in this announcement is an accurate representation of the available data from initial exploration at the Kachi project.

---

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.
CAUCHARI PROJECT
Extensions to known resources
Initial drill testing underway
Next to major acquisition
Cauchari Brine Project

Likely Extension to Major Resources

- Adjoins (SQM)/Ganfeng/ Lithium Americas and Advantage Lithium/Orocobre Development Projects
- (Ganfeng recently acquired SQM 37% equity $237m)
- Likely Extension of major resources – 14.8 Mt LCE Lithium
- 420-720 mg/L lithium adjoins drilling area
- Targeting same aquifers; covered targets on margins; New target model 2.5 years ago when leases pegged

Source: Jujuy Registro Grafico Feb 18, Orocobre, Lithium Americas PFS 2012
OLAROZ PROJECT

30km long belt among the Majors
Next to Production
Drilling after Cauchari
Olaroz Brine Project

30 km Likely Extension

- Adjoins Orocobre Production
- Target same aquifer
- Under alluvial cover
- Drill targets on basin margin after concept proved at Cauchari drilling
PEGMATITES
Past Production – Small scale
New models for large deposits
Catamarca
Target: Large Scale Deposits – New Exploration Models

Target: Lithium Mineralization as Spodumene In Large Pegmatite Swarms.

150km long belt of Pegmatites

Large Area ~80,000 hectares

• Recent field work created new exploration models
• Potential for the belt to host large scale deposits
• Coarse grained spodumene crystals (30-70cm)
• Adjacent drill results 1.2 – 2.2% Li₂O

• Field based XRF analysis - generate new targets – pegmatite swarms.
• Drill locations defined by results.
• In discussions with parties for partnership deals.
Path to LKE Uplift

Resource Kachi

- **Kachi Resource**
  - Kachi – Large Top 10 Resource
  - One of last 100% owned brine projects
  - Potential to double/treble Resource
  - Direct extraction engineering report shows low opex costs
  - Analyst reports indicate value >US$200M

Drilling Cauchari

- **Olaroz-Cauchari Drilling**
  - Drilling Cauchari – Extensions to high grade results / development
  - Drilling Olaroz – to extend resource from production area

PFS Partners

- **PFS – Development Options**
  - Strategic Partner Potential
  - Seeking downstream strategic agreements
  - Kachi PFS with Conventional and Direct extraction methods
  - Globally low opex costs shown
Key Milestones

2016 - 2017
• Peg Leases Pre-Lithium Boom
• Argentine Govt Change Dec 2015
• Large Lease Area Pegged 100%
• Listed in LKE Nov 2016

Mar/July 2018
• Kachi Large Discovery
• Access agreement Olaroz – Cauchari
• Kachi large basin 100% consolidated
• Pegmatite option completed

Nov 2018
• Kachi - Large Resource 4.4Mt
• Large target 8-17Mt
• Direct Extraction – Low opex US$2600/t
• Cauchari - drilling
• Kachi – Engineering study

Q1-Q2 2019
• Cauchari drilling
• Olaroz drilling
• Kachi – PFS; Direct extraction Pilot plant, ponds
• Olaroz - extend high grades
• Kachi PFS underway

H2 2019
• FS Kachi – Assess Development
• Olaroz / Cauchari PFS
• Expanded Resource
• Pegmatite results
• Offtake and/or investment deals
• Expanded drilling
Corporate Snapshot

LAKE RESOURCES (ASX:LKE)

Total Current Shares on Issue: 366,141,783

Unlisted Options (5c) Oct 2019 Expiry: 5,052,083
Unlisted Options (28c) Dec 2020 Expiry: 9,500,000

Notes Unsecured Jun 2020 Expiry (Conversion from Jun 2019): 9,900,000
Unlisted Options (20c) June 2019 Expiry (to be approved): (4,950,000)

Drawdown facility ($4.5m) at market price – LKE sole election -

Market Data (as of January 16, 2019)

Market Cap ($A) @ $0.068 share price (5 day): A $24.9 million

Cash ($A): 30 Sept 2018 $0.3 million (+$1.8 m from options) (+$1m from Notes)

Share Price: 52 week range $0.06 – 0.275

Share Register: 55% Top 30 Holders, High Net Worth Investors

New Large Resource
Deep Value vs Peers
Price Targets $0.40 – 0.73*

Price Targets from Fundamental Research, VSA Capital and Hunter Capital.
LAKE RESOURCES
Large Top 10 Resource, Strategic Location, Low Opex Potential, Undervalued vs Peers

steve@lakeresources.com.au
www.lakeresources.com.au
+61 2 9188 7864
IR (Ben) +61 4131 50448
twitter.com/Lake_Resources
**Data processing and validation**

-Brief samples were collected over 10 in situ method is intrinsically within site baselines producing analytical and laboratory errors.

**Table 1 Report Kachi Lithium Project**

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Section 3 Estimation and Reporting of Mineral Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Data integrity</strong></td>
<td>Data was transferred directly from laboratory databases to the spreadsheet. Data was checked for consistency, accuracy, and reliability. Lithological codes were correct.</td>
</tr>
<tr>
<td><strong>Data completeness</strong></td>
<td>Data was plotted to check spatial location and relationship to adjacent samples.</td>
</tr>
<tr>
<td><strong>Data quality</strong></td>
<td>Duplicate and Standards have been identified in the assay process.</td>
</tr>
<tr>
<td><strong>Data accuracy</strong></td>
<td>Brief analyses and acidity tests have been established and compared with other publicly available sources.</td>
</tr>
<tr>
<td><strong>Data validation</strong></td>
<td>Compositions of original and current datasets were made to ensure no lack of integrity.</td>
</tr>
</tbody>
</table>

**Table 2**

<table>
<thead>
<tr>
<th>Category</th>
<th>The Component Parities utilised the site multiple times during the drilling and sampling program.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Geology</strong></td>
<td>Some improvements to procedures were made during stops by the Component Parities.</td>
</tr>
<tr>
<td><strong>Interpretation</strong></td>
<td>The geological model is continuing to develop and details of the interpretation of the Project to date. There are relatively consistent geological units with relatively uniform, linear, stratigraphic.</td>
</tr>
<tr>
<td><strong>Interpretation</strong></td>
<td>Any alternative interpretations are restricted to smaller scale variations in stratigraphy, related to changes in age and/or fine grained rocks.</td>
</tr>
<tr>
<td></td>
<td>Data used in the interpretation includes outline and detailed drilling results.</td>
</tr>
<tr>
<td><strong>Drilling depth and geology</strong></td>
<td>Drilling depth and geology exhibit broad variations in lithology and stratigraphy.</td>
</tr>
<tr>
<td><strong>Stratigraphy and geology</strong></td>
<td>No significant post-depositional alteration of the coastal terrain. Some minor advanced argillic alteration.</td>
</tr>
<tr>
<td><strong>Sampling location</strong></td>
<td>No assumptions were made about correlation between variables. Lithium and potassium were estimated independently.</td>
</tr>
<tr>
<td><strong>Sampling location</strong></td>
<td>The geological information was used to define each geological unit and the property limit was used to estimate the reported resources.</td>
</tr>
<tr>
<td><strong>Sampling location</strong></td>
<td>The areal accuracy estimate is used as a guide to lateral uncertainty of the reported resources.</td>
</tr>
</tbody>
</table>

**Figure 2**

<table>
<thead>
<tr>
<th>Category</th>
<th>The Component Parities utilized the site multiple times during the drilling and sampling program.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Geology</strong></td>
<td>The data has been used to validate the mineral resource estimates.</td>
</tr>
<tr>
<td><strong>Interpretation</strong></td>
<td>The resource is defined to a depth of 400 m below surface, with the exploration target immediately extending beyond the reported resource.</td>
</tr>
<tr>
<td><strong>Interpretation</strong></td>
<td>Some improvements to procedures were made during stops by the Component Parities.</td>
</tr>
<tr>
<td><strong>Interpretation</strong></td>
<td>The geological information was used to define each geological unit and the property limit was used to estimate the reported resources.</td>
</tr>
<tr>
<td><strong>Interpretation</strong></td>
<td>The areal accuracy estimate is used as a guide to lateral uncertainty of the reported resources.</td>
</tr>
</tbody>
</table>

**Figure 3**

<table>
<thead>
<tr>
<th>Category</th>
<th>The Component Parities utilized the site multiple times during the drilling and sampling program.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Geology</strong></td>
<td>The data has been used to validate the mineral resource estimates.</td>
</tr>
<tr>
<td><strong>Interpretation</strong></td>
<td>The resource is defined to a depth of 400 m below surface, with the exploration target immediately extending beyond the reported resource.</td>
</tr>
<tr>
<td><strong>Interpretation</strong></td>
<td>Some improvements to procedures were made during stops by the Component Parities.</td>
</tr>
<tr>
<td><strong>Interpretation</strong></td>
<td>The geological information was used to define each geological unit and the property limit was used to estimate the reported resources.</td>
</tr>
<tr>
<td><strong>Interpretation</strong></td>
<td>The areal accuracy estimate is used as a guide to lateral uncertainty of the reported resources.</td>
</tr>
</tbody>
</table>