

**24 December 2015**

## **ASX ANNOUNCEMENT**

### **LITHIUM AUSTRALIA (ASX: LIT) APPOINTS KCA FOR LITHIUM CLAY METALLURGICAL SCOPING**

Global lithium developer, Lithium Australia NL (ASX: LIT or Company) advises that it has appointed Nevada based lithium specialist Kappes Cassiday & Associates (KCA) to commence scoping work on lithium clay deposits including the Electra Project and deposits in north-west of Western Australia. See attached map.

Kappes, Cassiday & Associates specializes in the development, engineering and implementation of extractive metallurgical processes for the mining industry. Although KCA has become well known for expertise in gold/silver heap leaching, KCA staff of over 70 people includes more than 20 process engineers and 25 laboratory personnel who have a broad range of practical experience. This includes experience in acid leaching and recovery, flotation and gravity concentration, and development of complex hydrometallurgical flow sheets. KCA has particular expertise in the handling of lithium bearing clays and has maintained sustained laboratory and engineering programs with the goal of developing processing flowsheets designed to produce battery grade lithium products.

As advised on 11 November 2015 LIT and TSX:V (AIX) listed company Alix Resources Corp (AliX) executed a memorandum of understanding (MOU) to jointly develop lithium extraction technologies applicable to advancing AliX's lithium concessions (the Electra Project) covering 22,625 hectares in Sonora, Mexico.

The concessions held by AliX contain interpreted strike extensions of the Sonora Lithium Project, operated by Rare Earth Minerals Plc and Bacanora Minerals Ltd.

LIT and AliX share the view that a combination of low-grade material and the application of energy intensive processing systems have historically hindered lithium clay deposits from being commercialized. LIT has experience in processing similar materials successfully implementing low energy alternatives to extract lithium from micas and has been successful in producing lithium carbonate from unconventional silicate feed material. It is thought that some of the materials previously tested by LIT may have similar mineral chemistry to some components of the mineralization at the Sonora Lithium Project which adjoins the Electra Project in Mexico.

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#### **About Lithium Australia NL:**

LIT is a dedicated developer of disruptive lithium extraction technologies. LIT has strategic alliances with a number of companies, potentially providing access to a diversified lithium mineral inventory on three continents.

#### **MEDIA CONTACT:**

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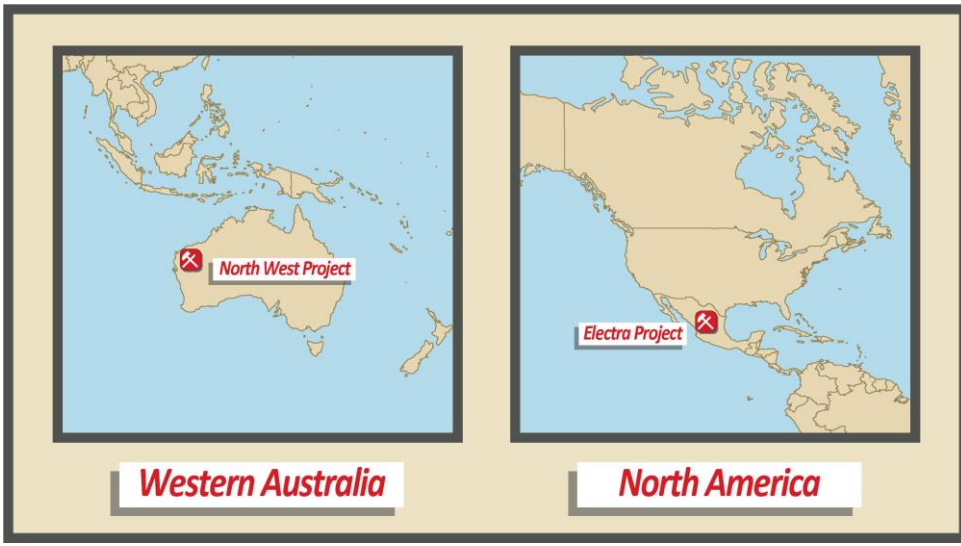
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**Annexure A – LIT Project Locations**



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