



## Annual General Meeting

*An Exploration Company  
with Emerging  
Development Opportunity*

Shane Gale  
Director – South East Energy Ltd

30 November 2010

# Presentation Notes



## **DISCLAIMER**

This presentation contains forward looking statements that are subject to risk factors associated with the exploration and mining industry. It is believed that the expectations reflected in these statements are reasonable, but they may be affected by a variety of variables which could cause actual results or trends to differ materially.

## **COMPETENT PERSON**

The following statements apply in respect of the information in this report that relates to Exploration Results, Exploration Targets and Mineral Resources: The information is based on, and accurately reflects information reviewed by Mr Llyle Sawyer, who is a Member of Australian Institute of Geoscientists.

Mr Sawyer is a geologist employed by Geos Mining, whom are independent consultants to South East Energy Limited. He has the relevant experience in relation to the uranium and lithium mineralisation being reported on to qualify as a Competent Person as defined in the Joint Ore Reserves Committee (JORC) Australasian Code for Reporting of Exploration Results, Identified Mineral Resources and Ore Reserves. Mr Sawyer has consented in writing to the inclusion in this report of the matters based on the information in the form and context in which it appears.

## **EXPLORATION TARGETS**

Exploration Targets are reported according to Clause 18 of the JORC Code. This means that the potential quantity and grade is conceptual in nature and that considerable further exploration is necessary before any identified Mineral Resource can be reported. It is uncertain if further exploration will lead to a larger, smaller or any Mineral Resource.



# ERO Mining Limited and South East Energy Limited



- **South East Energy Limited (“South East”)** is an unlisted South Australian mineral explorer formed in 2007, that has compiled a portfolio of highly prospective exploration acreage at Lake Frome, Lake Torrens and via its Padthaway projects in the South East of South Australia
- **ERO Mining Limited (“ERO” or the “Company”)** to acquire 100% of the issued capital of South East
- **Creation of a significant lithium, uranium and gold company with active exploration and future development opportunities providing potential pathways to production**

# Transaction Overview



- ERO to acquire 100% of the issued capital of South East for the issue of 152,325,014 ordinary shares and 191,250,000 options in the Company
- ERO to acquire 12 ELs covering 7,012 km<sup>2</sup>
- World class lithium exploration target at Lake Frome
- ERO focus lithium exploration, secondary focus - uranium and gold
- ERO will undertake a review of all projects and dispose of any non core assets

# New Capital Structure



As consideration for the acquisition of South East, ERO will issue:

- 4.5 new ERO shares for every existing South East share; and
- 4.5 new ERO options exercisable at 5 cents each on or before 31 October 2011 for every existing South East option

Capital Structure	Number of Shares	Number of Options
Existing Capital Structure	160,175,576	28,870,880
Shares and Options Issued to South East	152,325,014	191,250,000
Placement – Nov 2010*	11,250,000	11,250,000
<b>Post Transaction Total</b>	<b>323,750,590</b>	<b>231,370,880</b>

\* Placement securities to be issued

# ERO Share Price Graph



## Announcement of South East Acquisition



- Post transaction market cap of approx \$15.8M<sup>1</sup>

<sup>1</sup> Based on ERO share price of 4.9 cents at close of trade on 23 November 2010



## New Highly Experienced Board

The successful completion of the transaction will result in a new highly qualified Board and management team with extensive top management experience in Australian companies and specific expertise in uranium, exploration, operations, business growth and political arenas

- **Mr Robert Kennedy** – *Non-Executive Chairman*
- **Mr Shane Gale** – *CEO*
- **Dr Neville Alley** – *Executive Director*
- **Mr Hector Gordon** – *Non-Executive Director*

# The New ERO



Focused on exploration and resource development throughout Australia





# Why Lithium ?

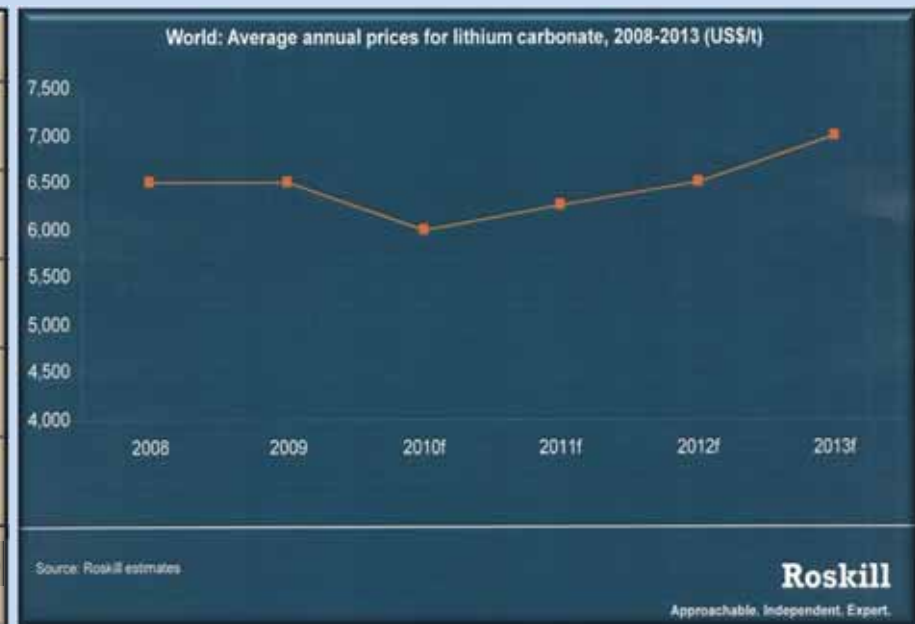


### Total Lithium Carbonate Demand



Source: TRU Group – Lithium Supply and Markets Conference, Chile

### Average annual prices for lithium carbonate



Source: Roskill - The lithium market: 2009 review and outlook

# Why Lithium ?



- The most economical and significant method is by evaporation processes of lithium containing brines
- Sediments have been deposited over millions of years in highland basins or depositional sinks, by erosion and leaching of nearby lithium-bearing rocks
- Producers drill wells and pump the brine into evaporation ponds
- With the removal of water, the lithium content in the brine increases to a level where it can be collected and shipped to a chemical plant for processing

ESTIMATED COSTS EX-LABOR, LITHIUM PRODUCTION FROM VARIOUS SOURCES (BYRON CAPITAL MARKETS - \$CAD)

Type	Brine (Mg:Li of 1:1)	Spodumene	Clay
Variable Cost (tonne LCE)	\$1,200	\$3,120	\$2,262
Fully-amortized Cost (tonne LCE)	\$2,267	\$6,453	\$3,262

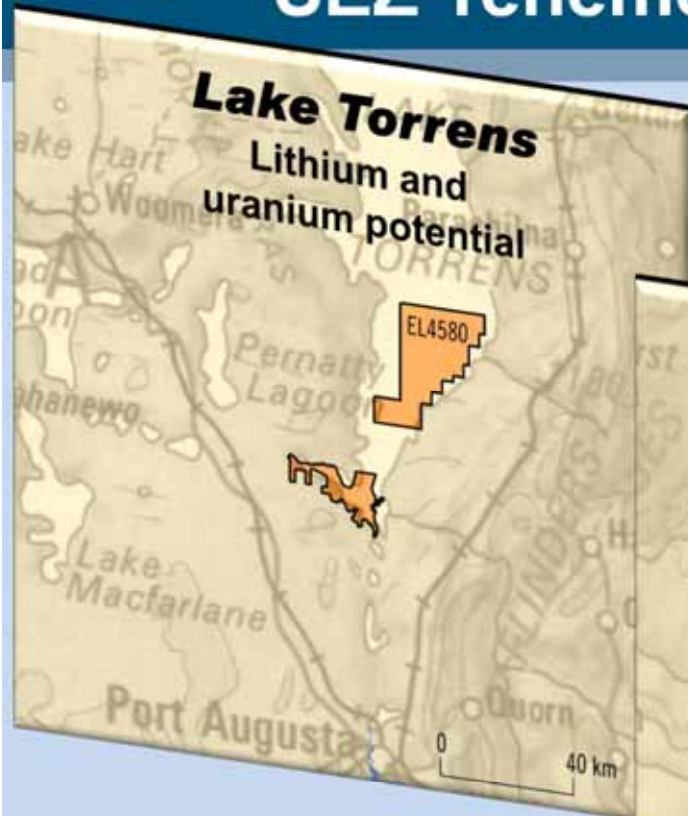
# Why SA Salt Lakes for Lithium?



- Major depocentres
- Large salt lakes with brines
- Regular inflow from adjacent uplands
- Source of lithium
- Low rainfall, high evaporation
- Right geology underlying lakes
- Right palaeoclimatic history
- Previous exploration results
- Close to infrastructure



# SEZ Tenements



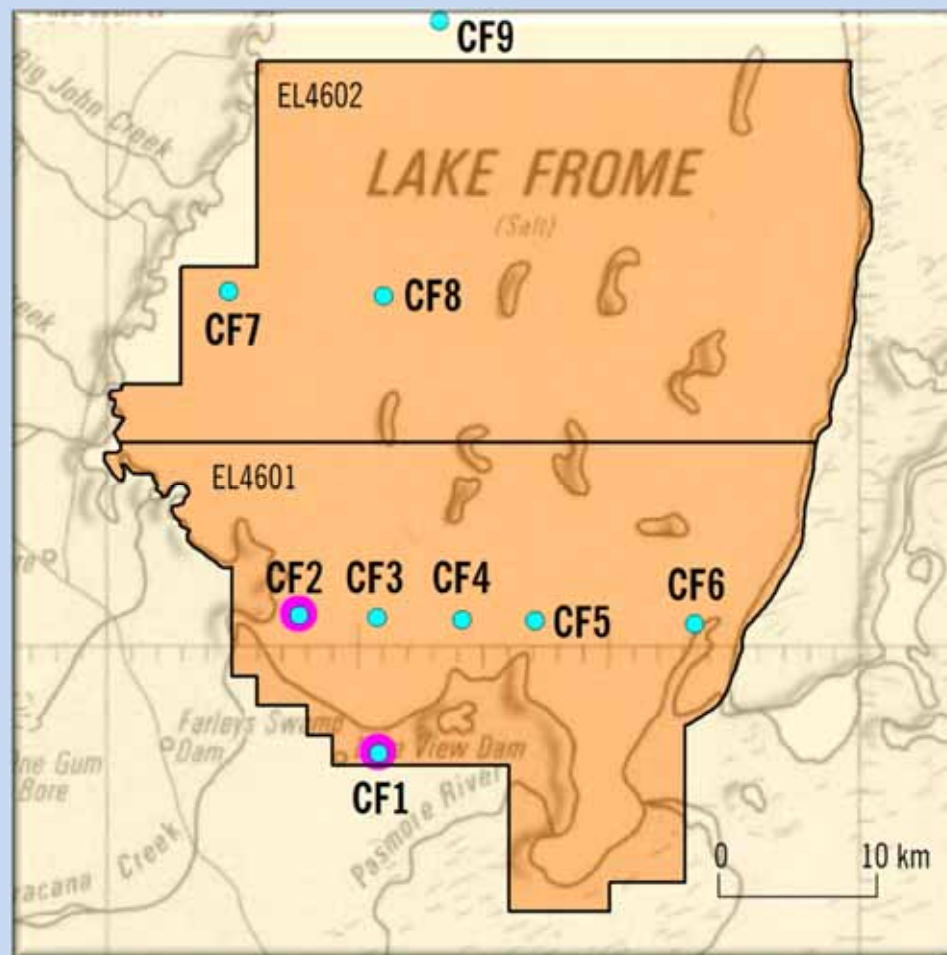
# Why is Lake Frome our Key Project?



Favourable levels of Li are present

Depth (Metres)	CF1 (ppm)	CF2 (ppm)
10	100	250
20	100	30
30	150	100
40	150	200
50	150	100
60	100	250
70		250
80		200

Comalco Drillholes CF3 to CF9 showed 10 to 70 ppm.

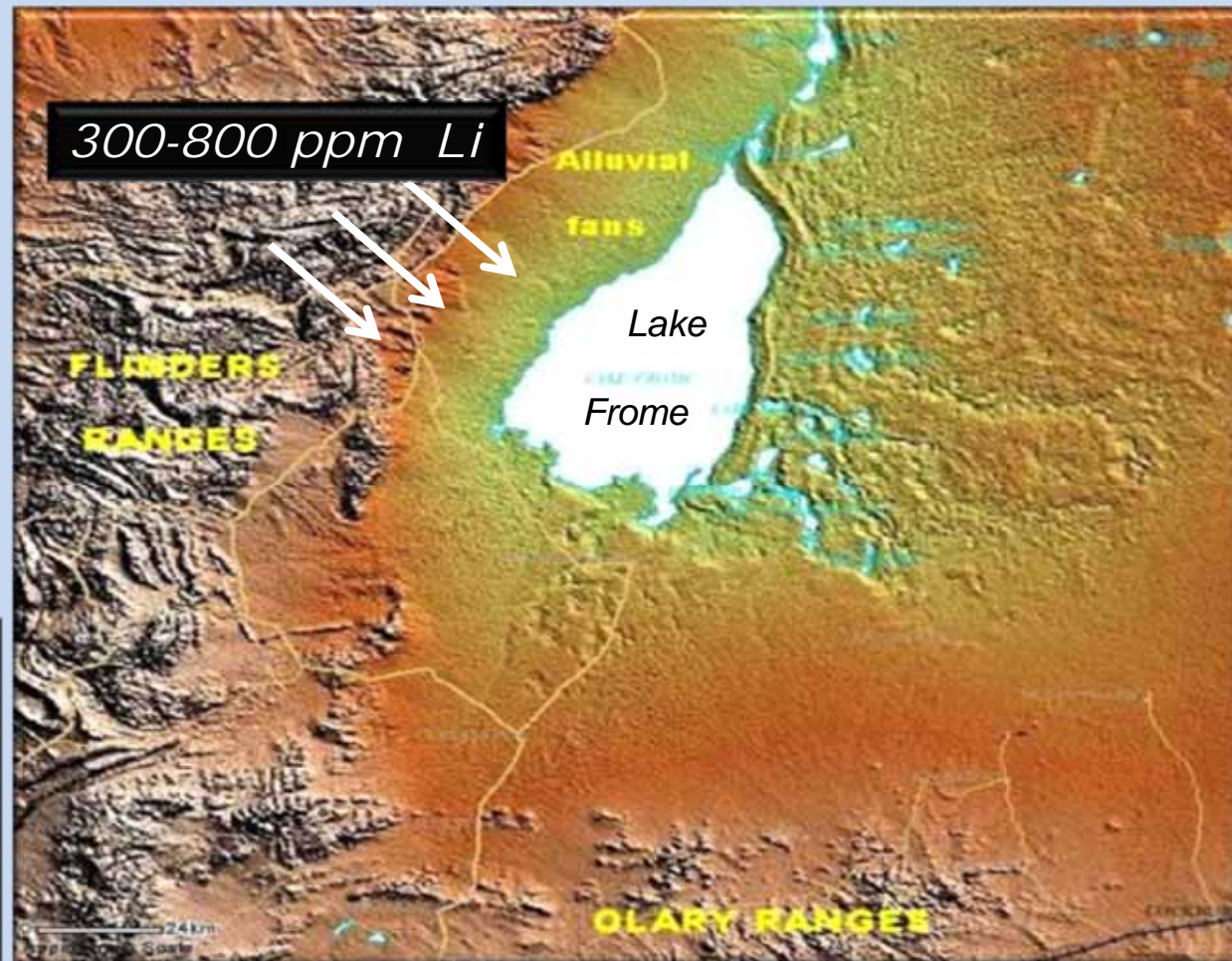
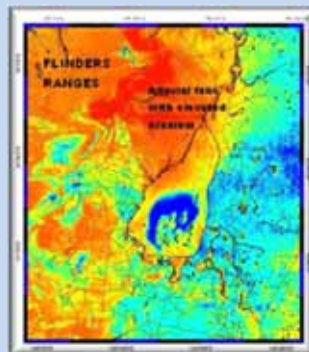


# What is the Source of the Lithium?

**Rock sources:**  
granites, volcanics  
and pegmatites in  
the adjacent ranges.

**Erosion during the  
geological past has  
transported lithium  
and uranium into  
Lake Frome  
lowland.**

Radiometric  
image shows  
likely pathway  
for lithium  
and uranium



# Target Horizons



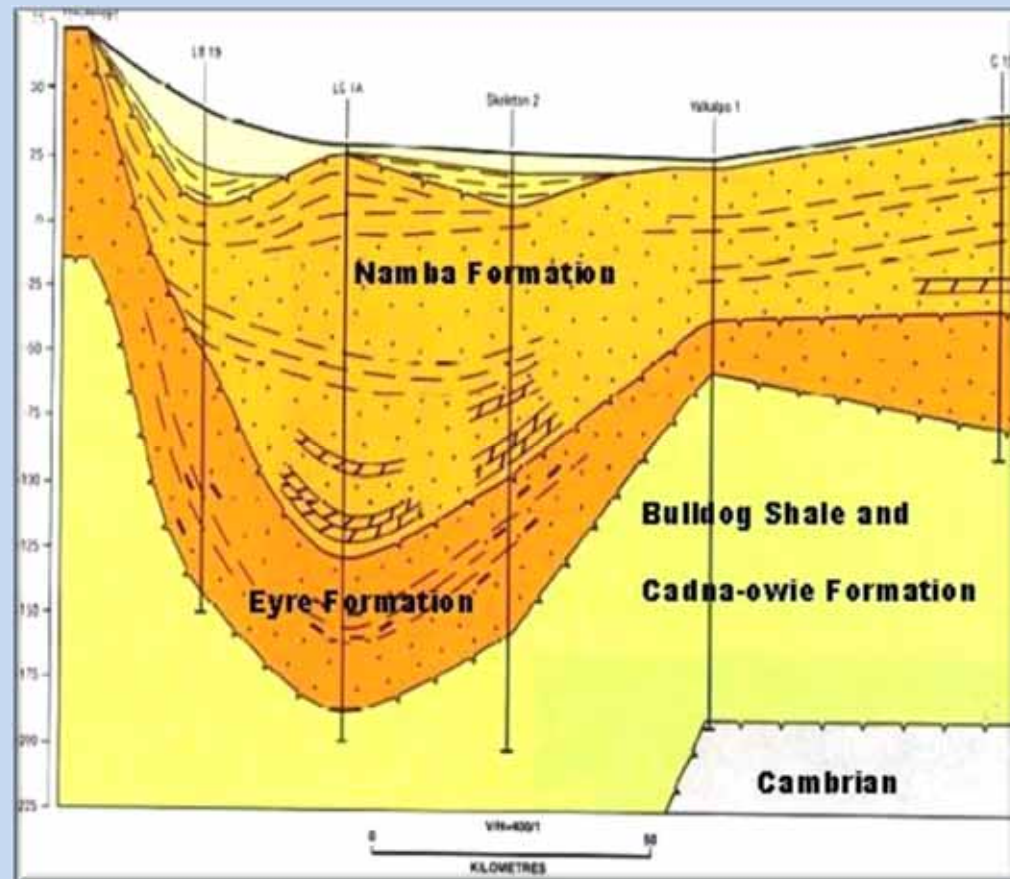
**Lake Frome a depositional sink  
(everything ends up here).**

**Formations are thickened  
under Lake Frome**

**Priority 1: Namba Formation and  
younger horizons.**

**Priority 2: Eyre Formation.**

**Priority 3: Older sediments.**



# Our Immediate Exploration Plans



*Proposed exploration program focusing on our priority Lake Frome project.*

## *First quarter 2011*

- Landholder access discussions and presentations to the wider community
- Aboriginal heritage clearance for drillhole program near CF 1 and CF 2

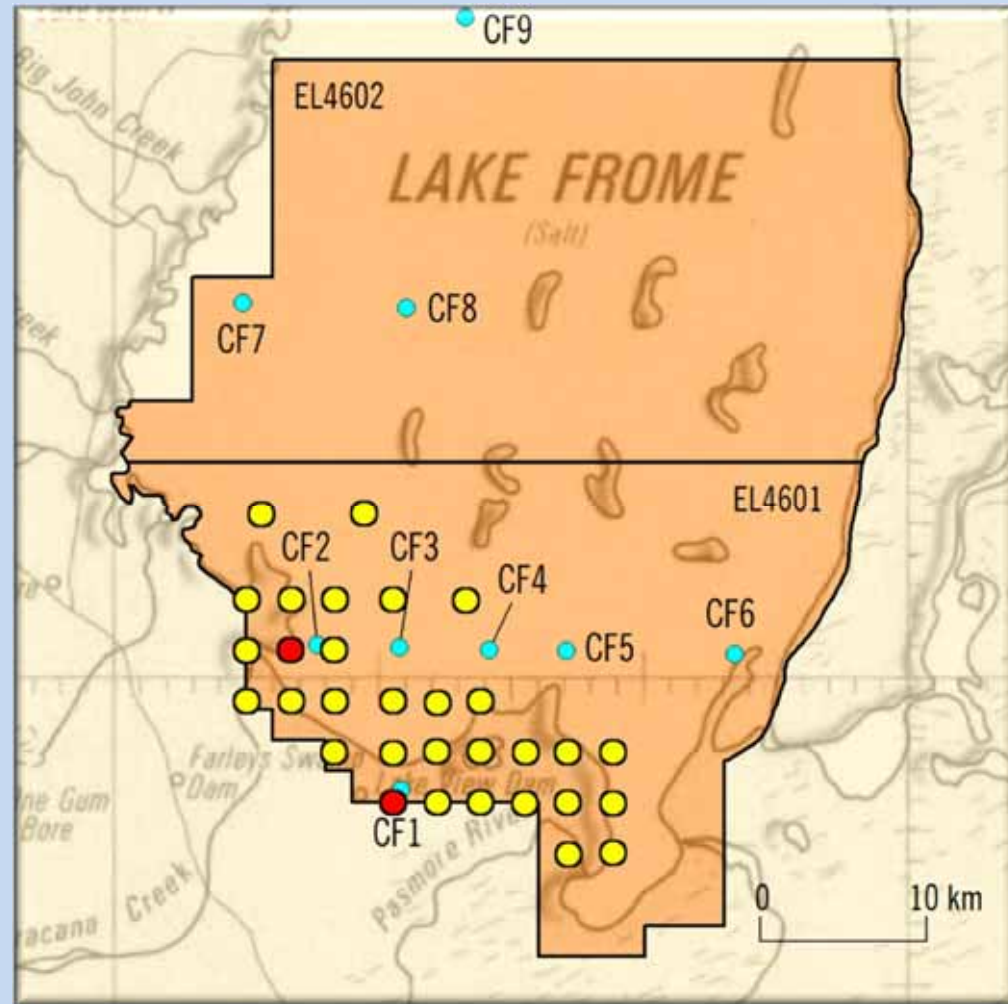
## *Second and third quarters 2011*

- Drill fully cored reference holes to base of the Eyre Formation at CF 1 and CF 2, commencing onshore near drillhole CF1 where access is easier, to test chemistry of all brines and sediments and flow volumes
- Twenty five close spaced drillholes (500m spacing) and four one kilometre spaced drillholes to test sediments, local, shallow and deeper brines for lithium and associated chemicals and flow rates
- Test for uranium concurrently



# Proposed drillholes Lake Frome

- Previous drillholes
- Proposed fully cored drillholes to 150m depth
- Proposed 25x500m spaced drillholes and 4x1km spaced drillholes

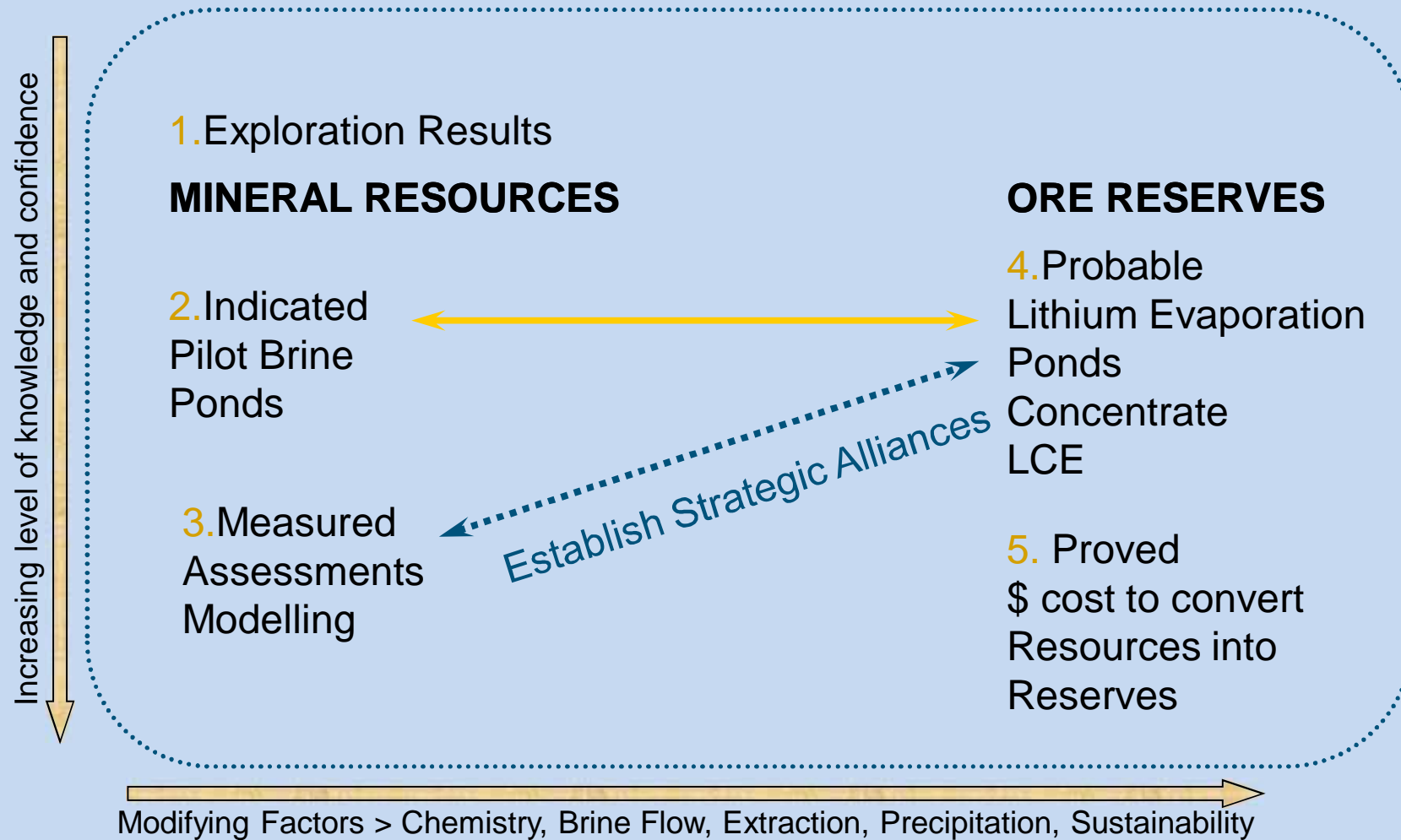


# Lake Frome Objectives



- 1. Focus on near surface south-western Lake Frome and explore for potential development there first**
- 2. Characterise lithium and other concentrations**
- 3. Follow the same assessment approach as for South American Salars modified for different chemistry and geology**
- 4. Develop resource estimate**
  - Brines are pumped to evaporation ponds (10,000 tpa LCE ponds ~\$75m), and precipitate lithium concentration to approx 5% to 10% and is then further processed to lithium carbonate**
  - 10,000 tonne lithium carbonate equivalent per annum production (10,000 tpa LCE Processing Plant ~\$160m > export?)**

# Developing a Lithium from Brine Project



# Summary



- **Acquisition of South East**
- **Sale of Georgetown**
- **Exploration program Lake Frome**
- **Review all tenements to retain the best**

# Summary



Looking west from the south eastern shore west across Lake Frome salt pan and mud flat (Image CSIRO)



Aerial view of brine evaporation ponds (Chile - Salar de Atacama)



SQM production facilities

# Thank You



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