



LATIN RESOURCES
LIMITED

Argentina's next Lithium company

Salta, September 2016

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Latin Resources Limited (ASX Code: LRS)



Mineral exploration and development company with Copper projects in Peru and lithium projects in Argentina



Over 7 years of exploration work and \$20m spent to date in South America



Track record of identifying and developing projects with quality Joint Ventures



Strong Management team

Shareholding	Shares	Options/Rights
Total Shares	1,553 million*	174 million*
Market Cap @0.011*	\$ 16 million*	Exercisable @ \$0.02 March 2017

Top 20
Shareholders
represent 52%*
of shareholding

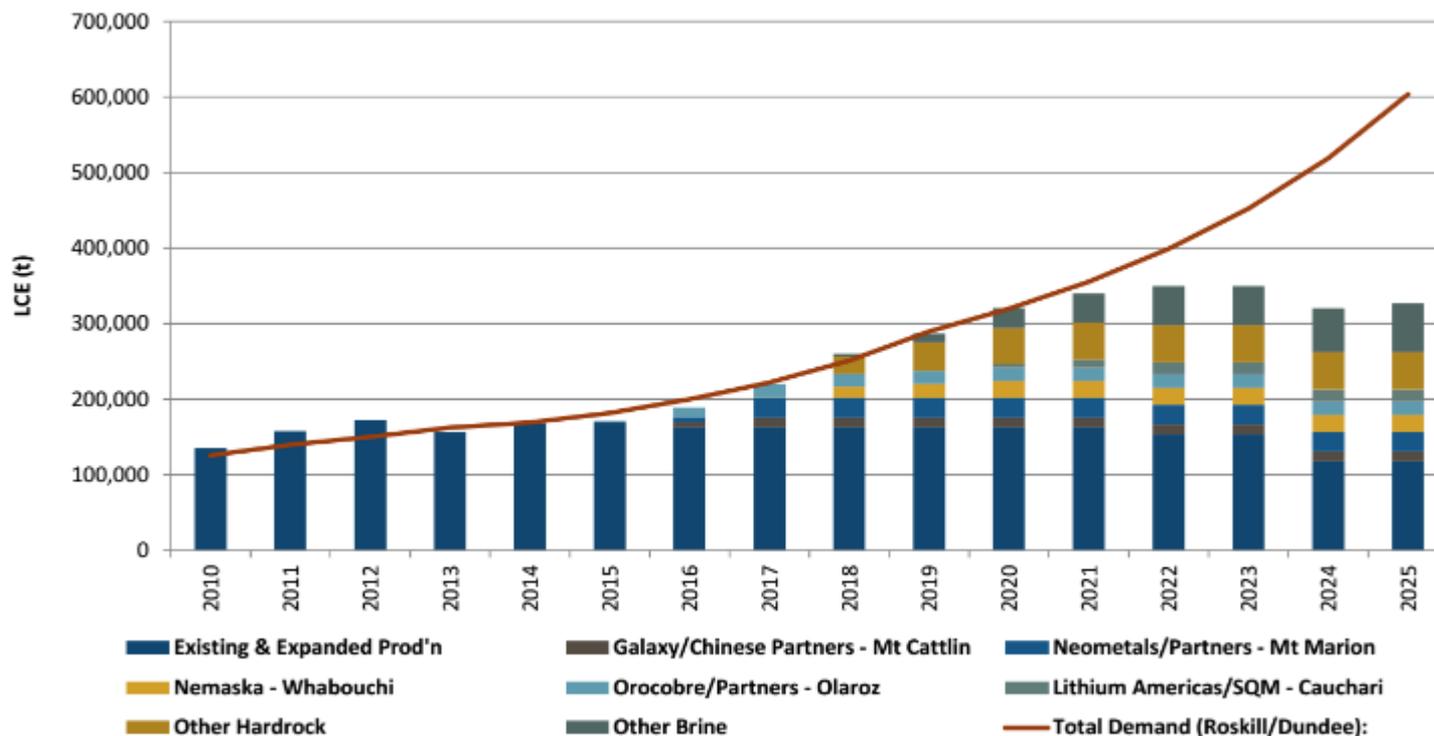
*As at 30th August 2016



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Lithium Demand – 2015 to 2025

Dundee's lithium supply and demand forecast, 2015 to 2025



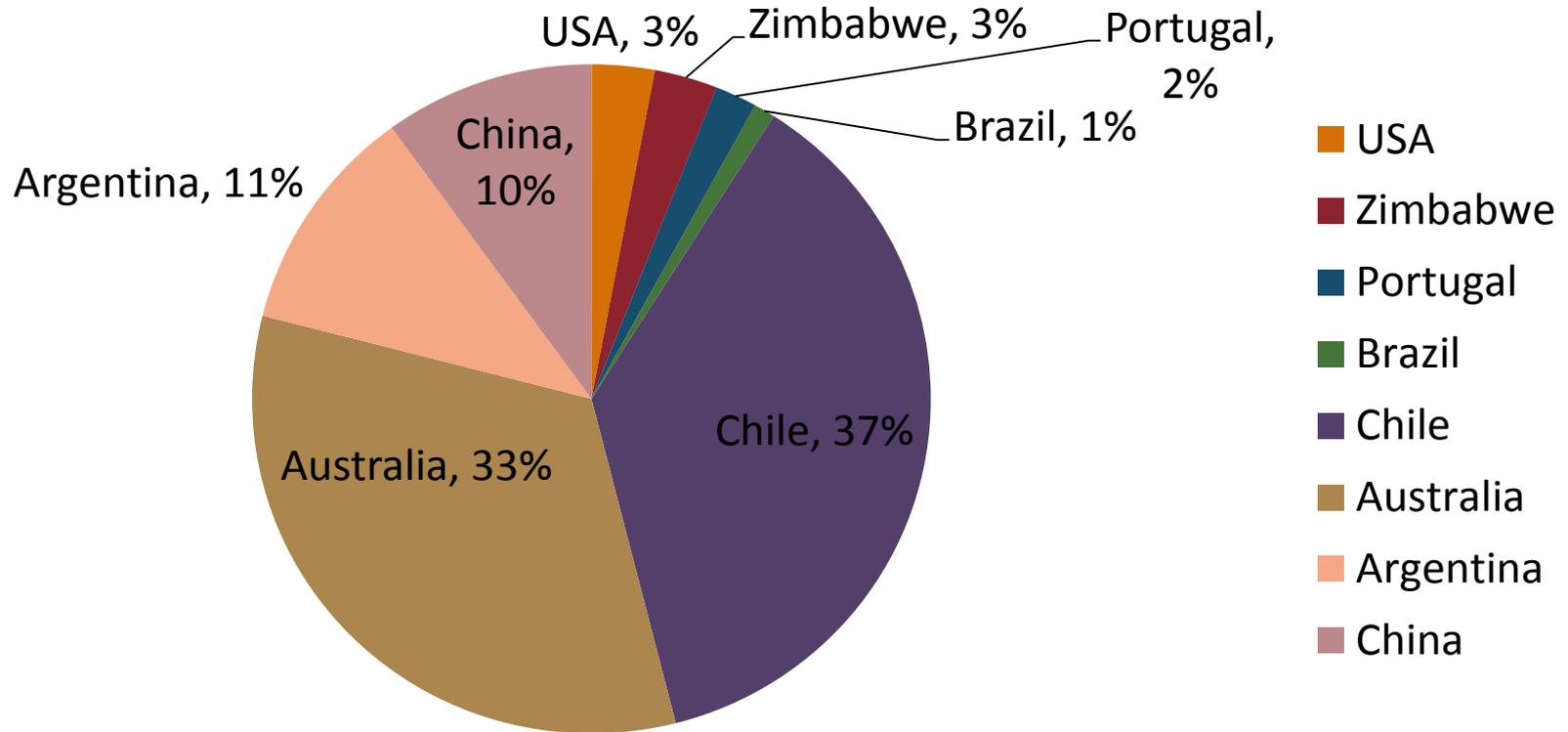
Source: Dundee Capital Markets, Roskill



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Lithium Supply - 2015

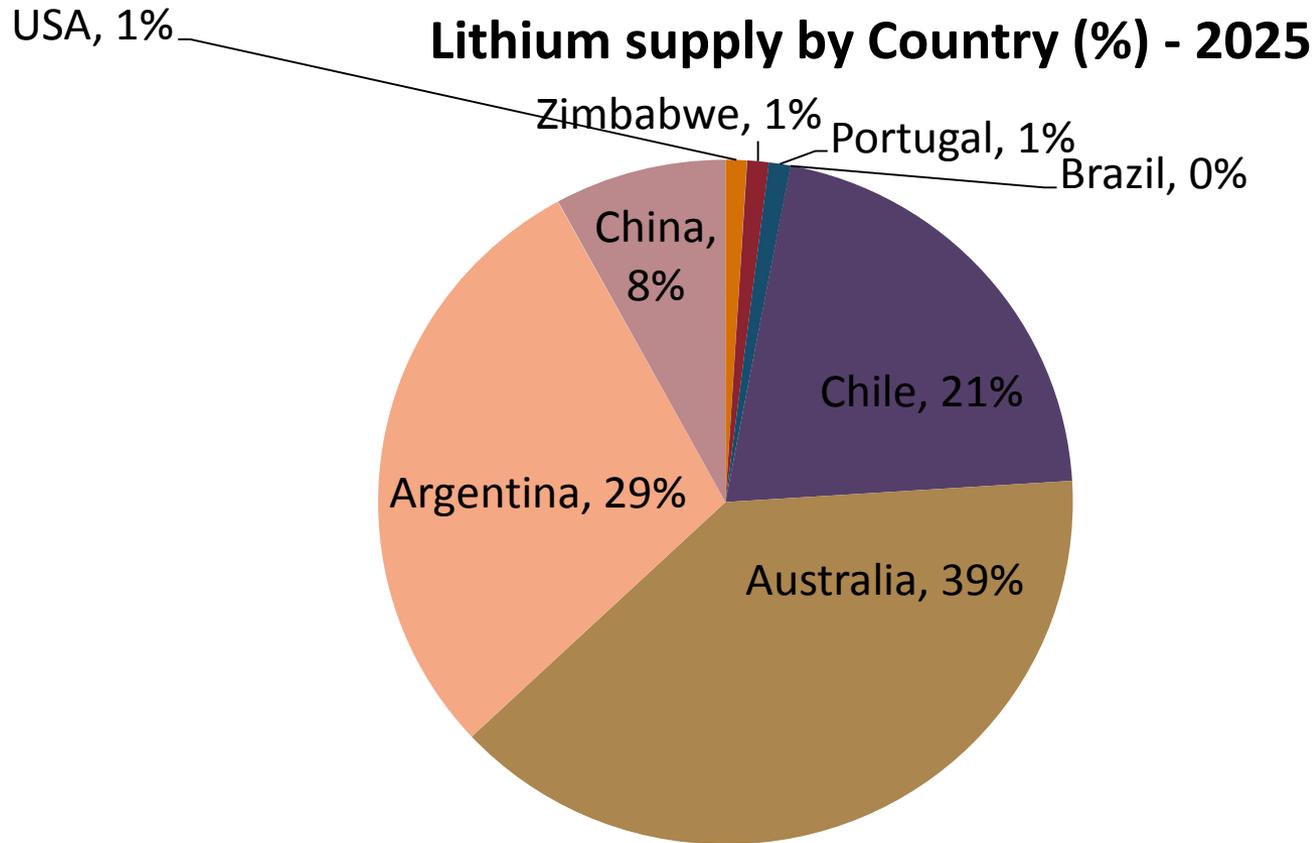
Lithium supply by Country (%) - 2015



Source ;Deutsche Bank; USGS Company Data

Two-thirds of the world's lithium reserves are found in Chile (the world's largest lithium producer), Bolivia and Argentina, in what is known as the 'Lithium Triangle'.

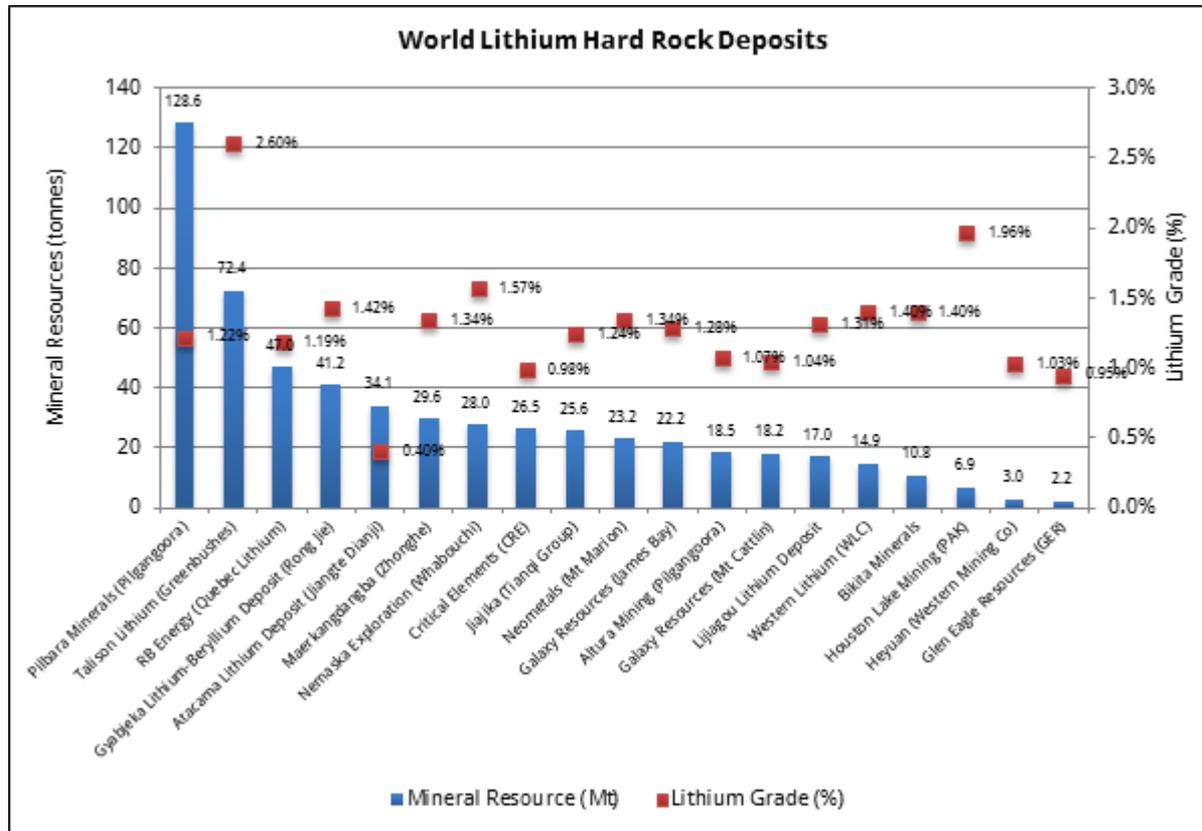
Lithium Supply - 2025



- USA
- Zimbabwe
- Portugal
- Brazil
- Chile
- Australia
- Argentina
- China

Source ;Deutsche Bank; USGS Company Data

World Lithium Hard Rock Deposits



- *The 2 largest hard rock lithium deposits are in Australia*
- *No Argentinean hard rock lithium deposits yet discovered*



Australian Hard Rock Lithium deposits Greenbushes – W.A



- *Greenbushes second largest deposit with best grade – 72 Mt @ Avge of 2.6 % Li₂O*
- *Geology – Pegmatites of lithium – Caesium – Tantalum*
- *Producing approximately 71,000 t of lithium carbonate equivalent (LCE)*



Australian Hard Rock Lithium deposits Pilbara Minerals Ltd – W.A

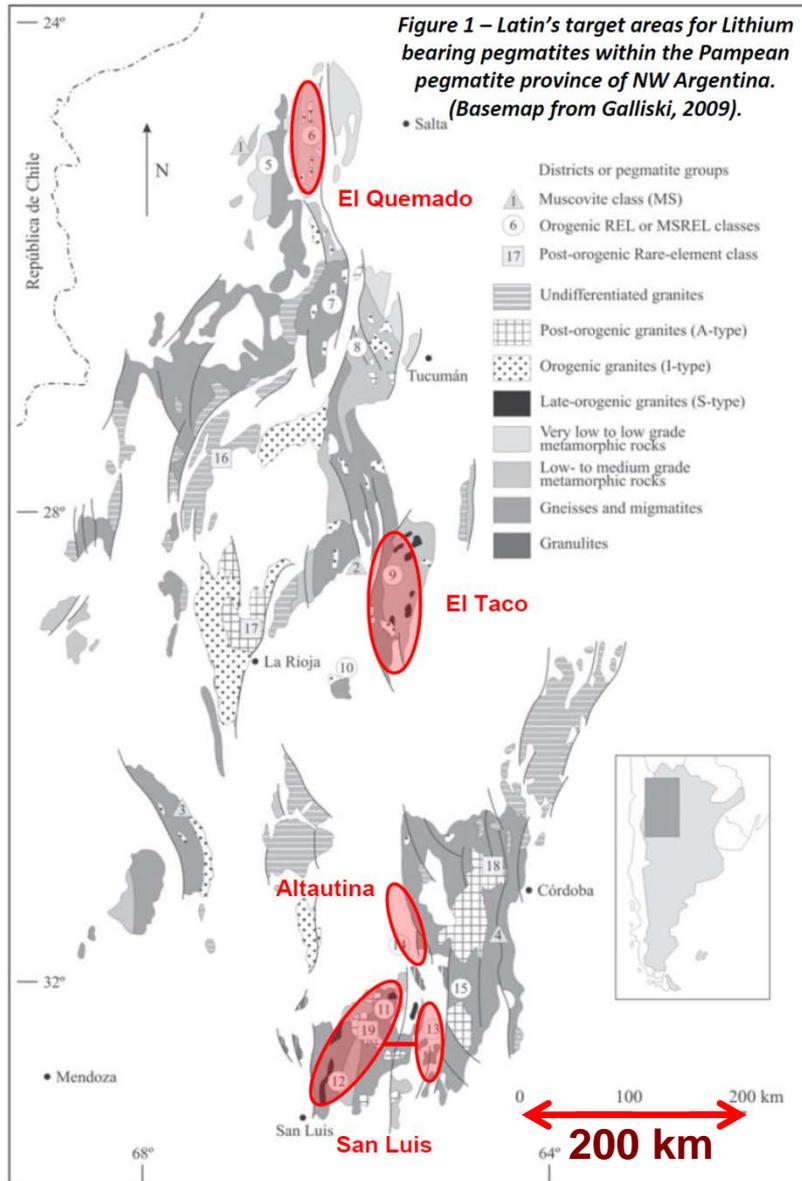


- *Pilbara Minerals has the largest hard rock deposit in the world – 128mt @1.22% Li₂O (Spodumene)*
- *Planned production of 330,000 tpa of spodumene concentrate*

Hard Rock Lithium Potential in Pegmatites and Precambrian Metamorphic Belts in Argentina



Pampean Pegmatite Province of NW Argentina



- Exploration and development of Lithium resources in Argentina overwhelmingly focused on salt lakes and presents an “under the radar” opportunity for hard rock discoveries, with bonus accessory minerals.
- Latin Resources is currently securing mineral rights over three key districts with documented Lithium pegmatites occurrences.



Pampean Pegmatite Province of NW Argentina

El mapa minero

 Provincias con legislación que prohíbe la minería.	 Provincias que tienen en estudio leyes para prohibirla.	 Provincias sin leyes contra la minería.
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Two-thirds of the world's lithium reserves are found in Chile (the world's largest lithium producer), Bolivia and Argentina, in what is known as the Lithium Triangle'.

Argentina's pegmatite Province

Geology very similar to Western Australian pegmatites

- The Pampean pegmatite province in NW Argentina hosts numerous Lithium bearing pegmatite deposits (Spodumene, Lepidolite, Petalite, Amblygonite, Lithiophilite), with added potential for Tantalum, Rare Earth Elements, Beryllium and Tin.
- Small scale intermittent mining in the province over 80 years has produced over 10,000 t of Lithium minerals, and also 1 Mt of ceramic grade feldspar, 50,000 t of mica, 25,000 t of beryl, 45k t of tantalum minerals, and 10k t of bismuth minerals.



Latin CLAIMS 70,000 hectares in lithium pegmatite DISTRICT, Catamarca, Argentina.

HIGHLIGHTS

- On 31 May 2016 the Company announced it had made claim applications over 70,000 hectares in seven exploration tenements in the Catamarca Province, prospective for Lithium Pegmatites.
- Following extinction of a series of abandoned claims by the Mining Authority of Catamarca, Latin has now applied for additional exploration tenements over 7,051.6 hectares that were surrounded by the initial exploration tenement applications in two areas, Vilisman and Ancasti, each with past Lithium mining activity and that together host in excess of twenty Lithium bearing pegmatite deposits documented by various authors in publications made over the last 50 years.
- Combined estimates of Spodumene content within 15m of surface of 12 of these deposits subject of the latest claim applications are in excess of 120,000 t (Acosta *et al* 1988, Balmaceda & Kaniefsy 1982 and other non-JORC foreign publications).
- These Lithium bearing pegmatite deposits have a history of small scale past production, having been intermittently exploited for Lithium minerals, and associated Beryl, Tantalum and feldspars during the 1950's and 1970's.
- Analysis of four samples collected by Latin geologists of exposures of spodumene in old mine workings in three pegmatite deposits within the new claim applications reported grades of 6.6%, 7.1%, 6.3% and 4.9% Li₂O respectively.

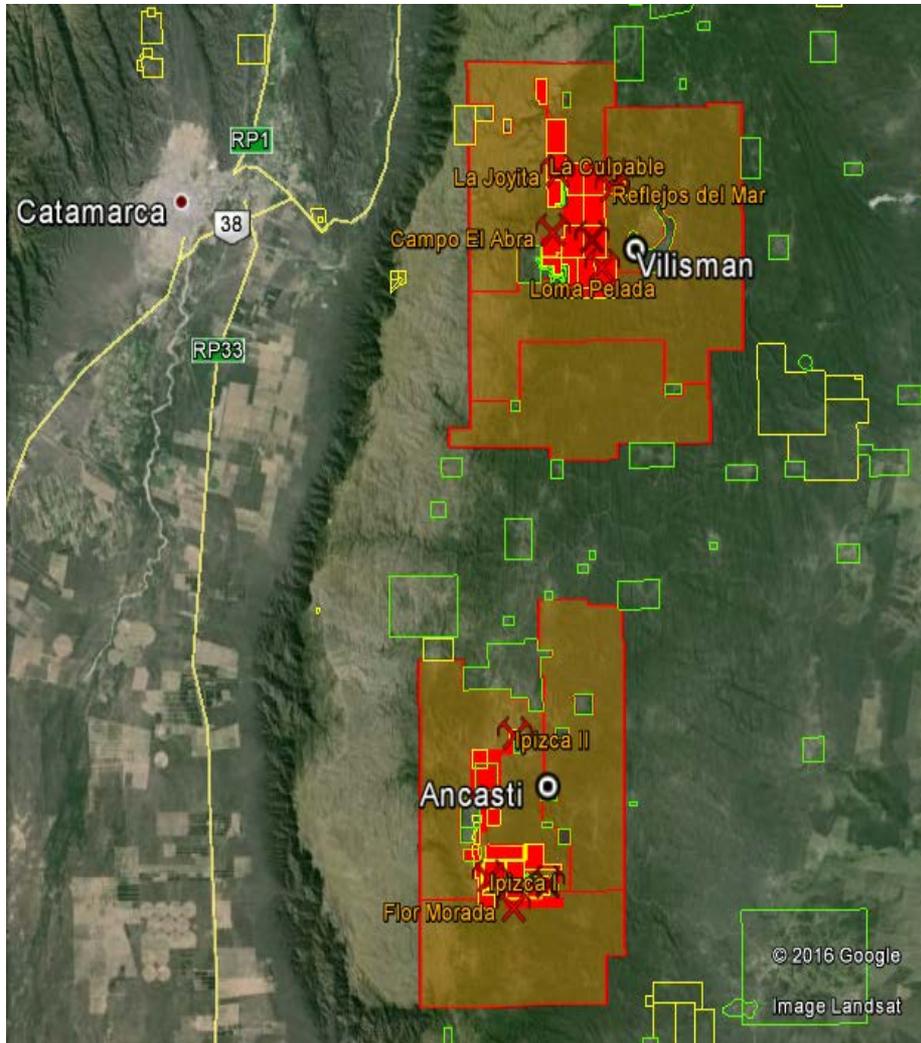
** Cautionary Statement: These data are published historical foreign estimates not reported in accordance with the JORC Code. A competent person has not done sufficient work to verify the data in accordance with the JORC code and it is uncertain that following evaluation and/or further exploration work that these foreign estimates will be able to be reported in accordance with the JORC Code.*



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Catamarca

Lithium concessions – 70,000 Hectares



Location of the Vilisman and Ancasti Lithium Pegmatite Groups, with old mines marked (Solid red areas). Latin's claims are the orange shaded areas extending outwards including the known Spodumene Lithium deposits

The Vilisman group:

- La Culpable
- Reflejos del Mar
- La Herrumburada
- Loma Pelada
- Campo el Abra
- Juan Carlos
- Joyita
- Pampa El Coco

The Ancasti group:

- Ipizca I
- Ipizca II
- Santa Gertrudis
- Flor Morada



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Vilisman Group

Table 1: Dimensions and estimated spodumene content within 15 m of surface in pegmatites from the Vilisman Group (after Acosta et al 1988).

Pegmatite Name	Length (m)	Width (m)	Depth Est. (m)	Spodumene Content (%)	Spodumene Density (ref)	Estimated Spodumene Content (t)	
Reflejos del Mar	115	4	15	25	3	5,175	
La Herrumbrada	117	1.3	15	12	3	821	
	119	2.15	15	23	3	2,648	
	41	1.35	15	13	3	324	
	227	5.7	15	18	3	10,481	
Loma Pelada	137	4.6	15	14	3	3,970	
	108	2.4	15	10	3	1,166	
	185	4.5	15	14	3	5,245	
	78	2.2	15	19	3	1,467	
	322	1.7	15	11	3	2,710	
	179	1.04	15	9	3	754	
	159	2	15	11	3	1,574	
	124	1.05	15	8	3	469	
	152	2	15	9	3	1,237	
	53	0.7	15	10	3	167	
	370	1.35	15	8	3	1,798	
	225	2.4	15	9	3	1,923	
	Campo El Abra	240	4	15	24	3	10,368
	La Culpable	103	4.25	15	25	3	5,088
Juan Carlos	200	2	15	25	3	4,500	
Joyita	180	0.8	15	15	3	972	
Pampa El Coco	90	0.85	15	20	3	689	
TOTAL	3,524m					63,546t	

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Hard Rock Lithium Potential in Pegmatites in Argentina



The Vilisman group hosts at least 8 pegmatite spodumene deposits that have evidence of past mining activity. Six of these are individual dykes emplaced along structures in banded mica schists, while two are formed as multiple dykes. Most of the dykes outcrop over at least 100 m of strike length with thicknesses of between 1 m and 5 m.



LRS – Lepidico - Joint Venture

- Latin Resources Limited (ASX: LRS) signed a binding term sheet to form a joint-venture between LRS and Lepidico Limited (LEP) which will seek to acquire and advance lithium projects in Argentina and Peru.
- The JV Companies propose to utilise the proprietary Lepidico L-Max technology to extract lithium from Pegmatite /Mica ores.
- The Strategic JV will be exclusive to LRS for Argentina and Peru and all hard rock lithium projects identified in these jurisdictions will be managed within the Strategic JV.
- LRS has identified and secured hard rock pegmatite concessions in the Pampean Pegmatite province of NW Argentina.

L-Max Technology



- 100% owned proprietary process (patent applied for) to extract lithium from lithium bearing micas
- Completed mini plant run to successfully produce battery grade lithium carbonate using ores provided by Lithium Australia
- Extraction of lithium from micas has potential cost advantages against traditional spodumene operations
 - No roasting of ores required (high cost exercise)
 - Value added from by-products also derived from feedstock (Potash, Sodium Silicate and Aluminium Fluoride)

L –Max Technology opens up new exploration opportunities for hard rock lithium.

Project Scope

- **Control the majority of the known hard rock lithium bearing pegmatites in Argentina**
- Finalize the Catamarca concessions to granted applications
- Identify and secure other lithium bearing pegmatites in Argentina
- Define a suitable resource for the Lepidico L- max technology

- **The ultimate objective is to be producing a Spodumene concentrate and/or lithium carbonate in 2018**

- Complete field exploration work and drill targets – Sept/Oct
- Drill and define a resource by 1st Quarter 2017
- Complete design work on the spodumene concentrate plant by July 2017
- Commence building plant 3rd Quarter 2017
- Commence production 3rd Quarter 2018
- Complete DFS for Lepidico lithium carbonate plant by 1st Quarter 2019



2016/17 Objectives

Technical objectives

- Lithium JORC Resource to be defined .
- Design and implementation of lithium concentrate plant
- Design and implementation of lithium carbonate plant – Lepidico

Schedule objectives

- Resource defined by 1st quarter 2017
- Design and DFS on plant completed by July 2017
- Commence plant construction 3rd quarter 2017
- Complete plant construction 3rd quarter 2018





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Thank you and Questions

Competent Person Statement

The information in this report that relates to geological data, exploration results and historical foreign estimates of mineralisation is based on information compiled by Mr Andrew Bristow, a Competent Person who is a Member of the Australian Institute of Geoscientists and a full time employee of Latin Resources Limited's Peruvian subsidiary. The historical foreign estimates of mineralisation are an accurate representation of available data and studies. Mr Bristow 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'. Mr Bristow consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Historical Foreign Estimates of Mineralisation

The historical foreign estimates of mineralisation are modified from data published in Acosta et al (1988) and Balmaceda & Kaniefsk (1982), both Spanish language publications translated as follows:

Acosta et al (1988): "Goeconomic Study of Pegmatites" and was undertaken by the Provincial Government of Catamarca as part of an agreement between the Department of Mines and the [Argentine] Federal Council of Investment.

Balmaceda & Kaniefsky (1982): "Characterisation of two Spodumene Pegmatites located in Catamarca and San Luis, Argentina" published in the Acts of the Fifth Latin American Geology Congress in Argentina in 1982.

These authors undertook field work including descriptions and mapping of the geology, mineralogy and measurements of size of the Lithium bearing pegmatite dykes and their internal structure where these were encountered within the Vilisman and Ancasti Groups, adjacent to the tenement areas applied for by the Company. The works also included details of trenching and modal estimates of spodumene (lithium silicate) content within the different mineralised zones of each pegmatite. This method of estimation of spodumene mineral content is considered appropriate considering the large size (up to 1 m) of the spodumene crystals and subsequent difficulty in obtaining representative samples to estimate grade through chemical analysis.

Cautionary Statement: The estimates of mineralisation in this report are regarded as historical foreign estimates and are not reported in accordance with the JORC Code. The Competent Person for this market release has not done sufficient work to classify the historical foreign estimates as mineral resources in accordance with the JORC Code; and it is uncertain that following evaluation and/or further exploration work that the historical foreign estimates will be able to be reported as mineral resources in accordance with the JORC Code. The Competent Person for this market release has visited four of the occurrences included in the historical foreign estimates (La Culpable, Reflejos del Mar, Santa Gertrudis and Ipizca II), and was able to verify the presence of spodumene at these pegmatite occurrences in the form and approximate modal content as described by the source authors.

The inclusion of the historical foreign estimates of mineralisation in this report is essential disclosure considering the proximity to the tenement applications made by the Company, the continuation of the same geological units hosting the historical foreign estimates of mineralisation into the tenement areas applied for by the Company, and the fact that the Company is in the process of securing rights to the areas referred to in the historical foreign estimates of mineralisation.

