

20th July 2017 ASX via Electronic Lodgement

Company Presentation

Plymouth Minerals Limited (ASX: PLH) (Plymouth or the Company) releases to the ASX a Company Presentation that provides combined information on both of the Companies projects. For further information and to read full presentations for the specific projects both Lithium and Potash please review on the Company web site.

For more information, visit www.plymouthminerals.com

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The Next Player in European Lithium Production + a Globally Significant Potash Project

Investor Presentation July 2017



Disclaimer



For Consideration

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Competent Persons Statement

Competent Person Statement: The information in this report related to Exploration Results, Exploration Targets, Mineral Resources or Ore Reserves is based on information compiled by Mr A Byass, B.Sc Hons (Geol), B.Econ, FSEG, MAIG an employee of Plymouth Minerals Limited. Mr Byass has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Exploration Targets, Mineral Resources and Ore Reserves. Mr Byass consents to the inclusion in the report of the matters based on this information in the form and context in which it appear.

Corporate Overview



Keyin Tomlinson (Chairman)

Adrian Byass (Managing Director)

Humphrey Hale (Director, Country Manager)

John Sanders (Country Manager)

Eric Lilford Non Executive Director

Christian Cordier Non Executive Director

Rob Orr Company Secretary +30 years experience in mining and finance within the Toronto, Australian and London stock markets. Chairman of Medusa Mining and NED with Centamin Plc and Orbis Gold . Currently on Boards of Cardinal Resources (ASX.CDV, TSX.CDV) and Xanadu Mines (ASX.XAM)

Wide industry-experience, debt & equity raising success, mine development specialist



Κ

Manager Spain - Lithium Extensive European permitting, funding and mine experience, MD (Wolf Minerals)

Manager Gabon - Potash

Resources expert, extensive African Potash experience, ex MD of Elemental (Now Kore Potash)

Mining Engineer, African operational experience, Banking and mining professional +20 years

Accountant with extensive private and public company experience in Africa

Company Secretary and Chief Financial Officer

Shareholders

Board & Management	12.6%
Institutions	5.6%
Top 50 Holders	59.1%

Capital Structure

ASX code	PLH
Share price	22c
Shares on issue*	138m
Options on issue**	22.5m
Market Capitalisation	\$30m
Cash balance (31 March 2017)	\$5.3m
Debt	Nil
Enterprise Value	~\$25 million

Notes

(*) A further 25 million Performance Shares related to Potash asset milestones. See ASX release October 2015

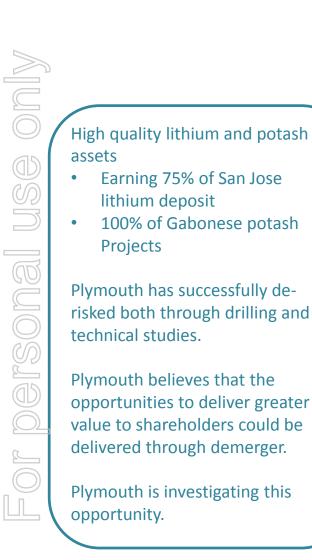
(**) Options exercise range from \$0.14 to \$0.35 per share

(**) includes 2 million options awaiting shareholder approval for Chairman Mr K Tomlinson strike price \$0.32

Plymouth Minerals Limited ASX: PLH | 3

Plymouth – Maximising Value – Splitting Assets







Experience in Financing & Developing in Europe and Globally







mines

Hemerdon Tungsten-Tin mine England (Founding Directors)



Extensive capital markets experience (Currently on ASX, AIM, TSX Boards)



Operational and mining management experience (Board of operating mining companies)



Deal of the year



London Stock Exchange

Extensive experience in;

- Capital raising
- Debt finance Combined +\$1,000 million

Specialist skills in;

- Permitting
- Metal off-take
- Mine development
- Mining Operations
- Markets AIM, ASX, TSX
- In Spain since 2013



Lithium/Tin in Spain Earning 75% of San Jose (Sacyr 25%)





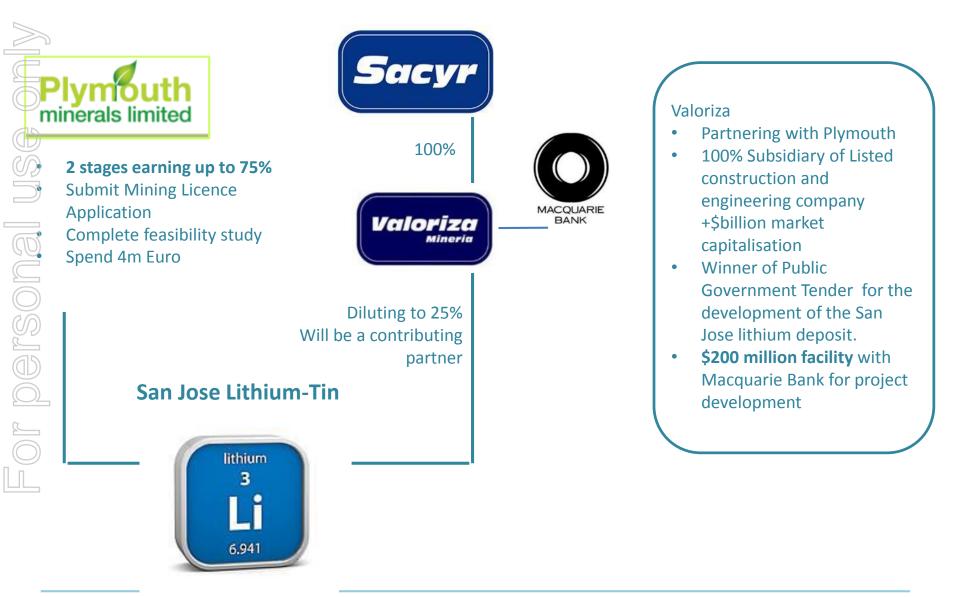
San Jose Lithium and Tin project – the opportunity



- Major lithium deposit (1.3 Mt LCE) open-ended and expanding
 - Highly advanced project, positive historic feasibility study completed
 - Joint venture with Plymouth earing 75% with top tier partners
- Regional and Federal government support
- Mining Licence Application to be submitted in October – short lead time

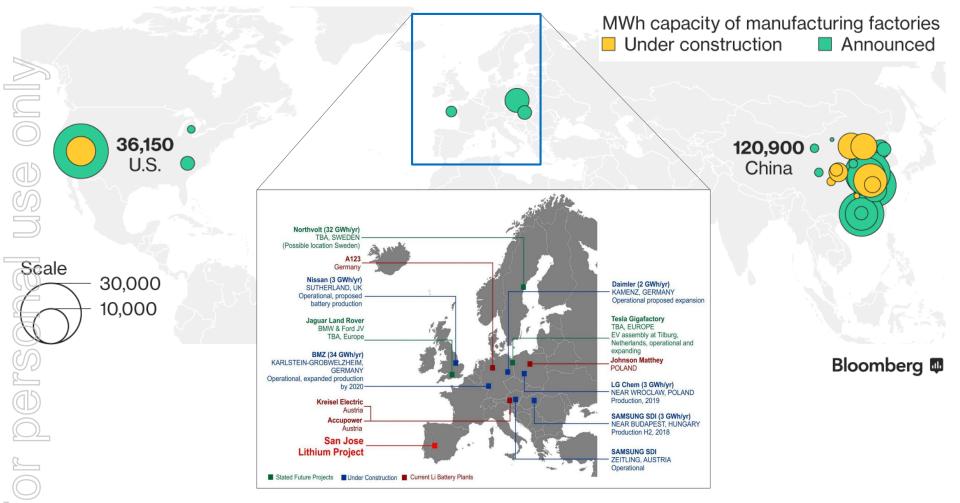
Sacyr - Top Tier Partner – Local Advantage





Lithium – How to Feed the Battery Factories

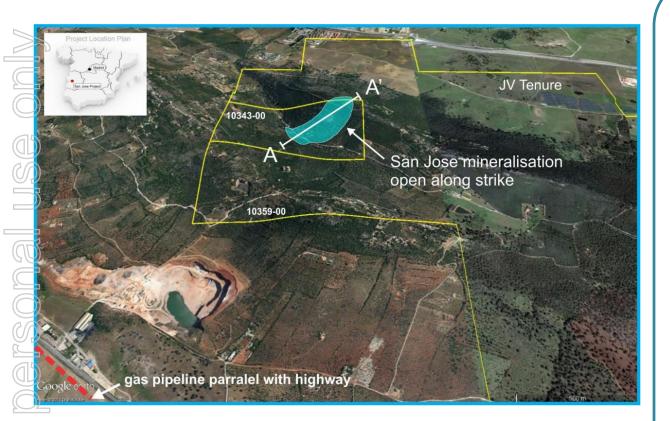




- Europe 30% of lithium carbonate (LCE) demand, 2% supply
- Planned battery production needs AT LEAST 4 x San Jose projects to come on stream quickly

San Jose Lithium Deposit





San Jose deposit highlighted in blue within project tenure (yellow outline). Operation in the foreground is not part of San Jose JV.

Plymouth is not aware of any new information or data that materially affects the information included in this ASX release, and Plymouth confirms that, to the best of its knowledge, all material assumptions and technical parameters underpinning the Resource estimates in this release continue to apply and have not materially changed.

San Jose

Maiden JORC Resource

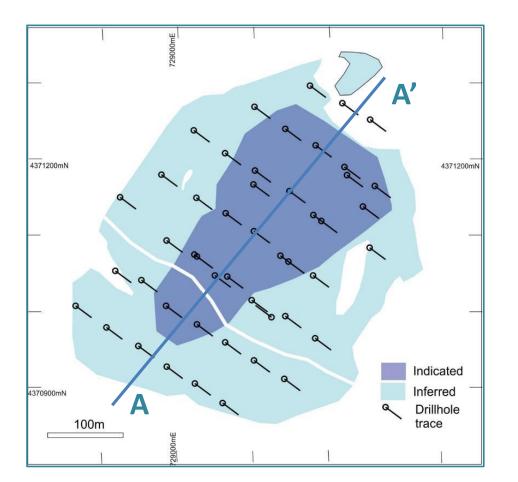
- 1.3 million tonnes of LCE
- 92.6Mt @ 0.60% Li2O and 0.03% Sn (0.10% Li cut off)

With higher-grade core

- 16.5Mt @ 0.9% Li2O and 0.04% Sn (0.35% Li cut off)
- With additional Exploration Target
- Full details ASX release May 26th 2017
- Historic mining project in mining friendly region
- Extensive and ample tenure position
- Open-ended lithium mineralisation
- Well supported by infrastructure including adjacent reticulated gas pipeline
- Development supported by regional and federal government

Outcropping JORC Resources





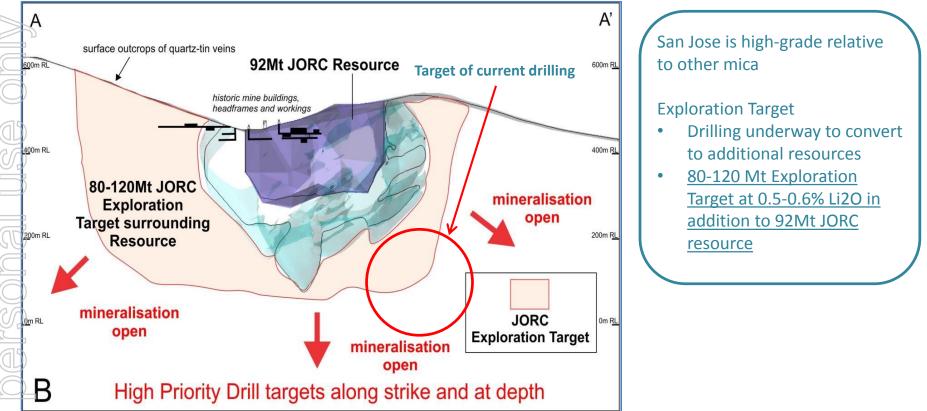
Section A-A' as shown on next slides and in the preceding aerial photograph slide

- Extensive work and highly advanced
- +10,000m of drilling
- Historic feasibility study
 1991
- Outcropping mineralisation
- Increasing lithium and tin grade at depth
- Open at depth and along strike
- Drilling underway to increase resource size and confidence

Cross Section - Wide, High Grade Lithium at San Jose







Cross section A-A' (see previous slide) showing Indicated, Inferred Resources and surrounding exploration Target and location of current drilling

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Disclaimer: The potential quantity and grade of the Exploration Target is conceptual in nature. There has been insufficient exploration completed to date to estimate a Mineral Resource in accordance with the JORC 2012 Edition Guidelines. It is uncertain if further exploration will result in the delineation of a Mineral Resource.

Mica as a LCE Source



advantages

Lithium carbonate was first produced on an industrial scale in Europe using lithium micas as the ore source Metallgesellschaft AG used lithium mica (zinnwaldite) to produce lithium carbonate San Jose's lithium mineral is zinnwaldite

San Jose's lithium mineral is zinnwaldite Mica has a long history of LCE production and is analogous to brine in that large reserves occur globally but the extraction and end processing of these assets can only be economically achieved in the right strategic locations that support onsite processing to an end LCE product (i.e. solar for brine evaporation, or energy and transport infrastructure for mica) San Jose enjoys all of the necessary

San Jose is an easy to mine surface deposit in a safe European mining region with access to infrastructure, labour, affordable energy and end-product LCE customers.

Mica as a LCE Source – San Jose is a Standout



Production of lithium carbonate from mica sources is a proven and well understood process

Mica as an ore source requires the deposit to enjoy advantages of infrastructure and energy supply such as seen in Europe

The majority of Australian deposits do not enjoy good infrastructure or proximity to cheap energy and as a result, spodumene is the only effective production (export) source

San Jose enjoys all of the advantages of low sovereign risk, mining friendly region with excellent infrastructure to support the development of an outstanding deposit

Hard rock deposits (mica and spodumene) can be brought into production quicker than brines



San Jose enjoys excellent infrastructure access including nationwide gas network which runs within 1000m of the tenement boundary

Lithium World & Europe Overview



Europe consumes 30% of world lithium production but only supplies 2% of world lithium European consumption is predicted to double by 2020 and triple by 2025 Multiple San Jose sized projects are required every year 2016 30% 41% 17% 3% 36% 36% 8% Producer San Jose distance to market ~1,500km Consumer S.America via China +20,000km

Mica - A Current and Valuable Source of Raw Material for LCE Production



	Brine	Mica incl. Lepidolite	Pegmatite
Established Grade Range Low v High	0.1 - 0.2% Li ₂ O	0.4 - 0.6% Li ₂ O (San Jose 0.6 – 1.6%)	0.9 - 1.5% Li ₂ O
End Sale Product	Lithium Carbonate (Li ₂ CO ₃)	Lithium Carbonate (Li_2CO_3) Lithium Carbonate (Li_2CO_3)	
Intermediate product price (US\$/t)	N/A	N/A	500-600 (For 6% Li2O concentrate)
Long Term Price (US\$/t)	10,000 — 11,000 Lithium carbonate	10,000 — 11,000 Lithium carbonate	Market less convertor margin
Est. Cash Cost Range (US\$/t LI ₂ CO ₃)	2,000 – 3,500	3,000 – 6,000	5,000 – 7,000+
Dominant High-Grade & Scale Location	South America	Europe, China, USA, Mexico	Australia / Africa

Most lithium mica deposits are economical at 0.4-0.6% Li₂O. San Jose is a high-grade (core) 16.5Mt @ 0.9% Li₂O and 0.04% Sn (0.35% Li cut off)

The three main sources of lithium each have different typical grade ranges and (C1) costs

LCE Source Material Process Comparison

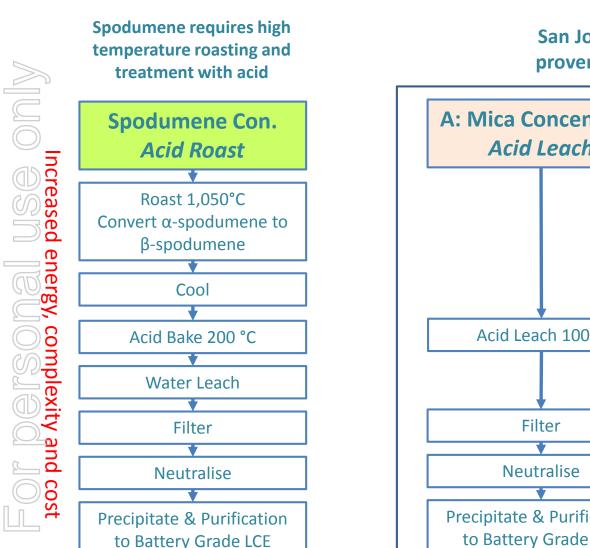


		Brine Salars	Mica Concentrate	Spodumene Concentrate
	Uses a Mining Process to Create Li ₂ O	\checkmark	\checkmark	\checkmark
0	Can be Brought into Production Quickly	×	\checkmark	\checkmark
	Resource Sensitive to Minerology, Location, Strip Ratio etc.	\checkmark	\checkmark	\checkmark
	Usually Treated Onsite not Trucked + Shipped to Foreign Conversion Destination	\checkmark	\checkmark	×
	Low Energy Conversion Requirements	✓ (Solar Evap.)	×	×
	Requires Purification Process of Li ₂ O to LCE Chemicals for Battery Use	\checkmark	\checkmark	\checkmark
	Production is Not Sensitive to Weather/ Ambient Conditions	×	\checkmark	\checkmark
	Lower C1 (based on complexity and transport)	\checkmark	\checkmark	×

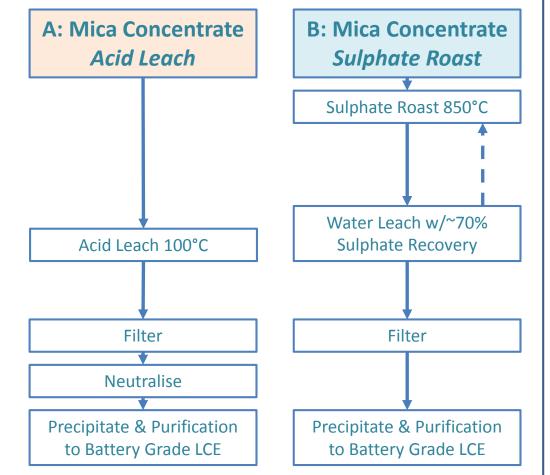
Each source can, and does, produce battery grade LCE subject to the right mix of sovereign risk, mineralogy, transport economics and access to energy inputs. San Jose has these features.

Hard Rock Processing Comparison





San Jose (lithium mica) has two proven, simpler process options



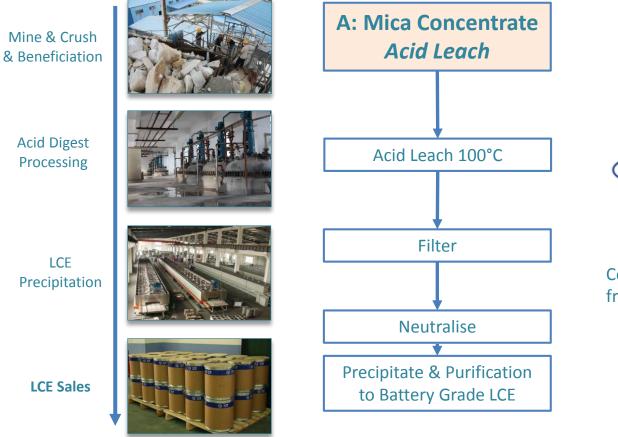
- Mica processing is simpler with lower temperature treatment (energy saving)
- A process known as fractional crystallisation similar to lithium recovery from brines is the preferred method for lithium recovery from mica leaches

Mica to LCE – Acid Leach Case Study



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Established production - acid leach





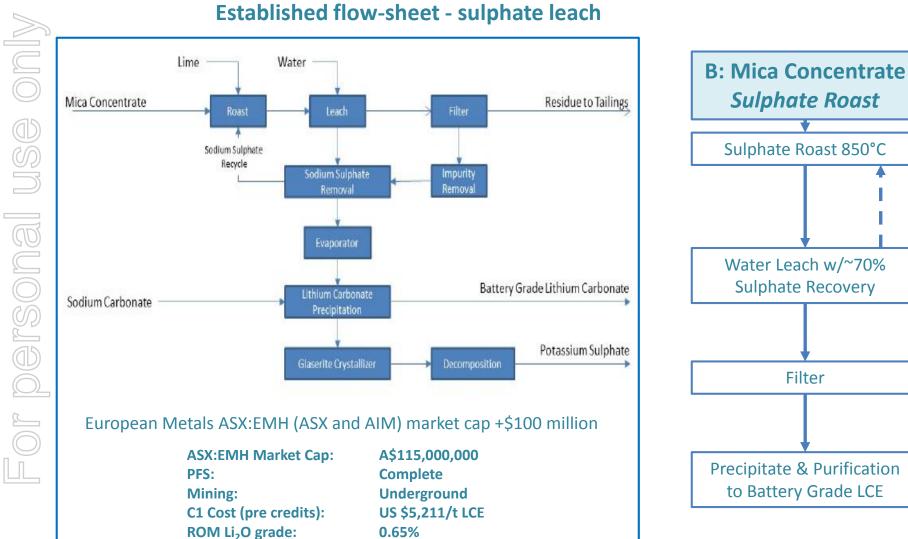
Electric Motor Co., Ltd

Commercial production of LCE from acid leach of lithium mica

Jiangxi process facility China

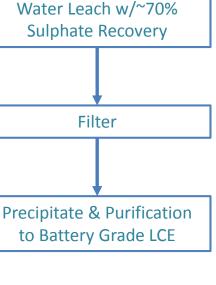
Mica to LCE – Sulphate Roast Case Study





20ktpa / 21yr

LCE Production:



Confirmation Test-Work Rapidly Progressing



Test / Result	San Jose		
Minerology	\checkmark		
JORC Resource	\checkmark		
Sulphate Roast	\checkmark		
Acid Leach	\checkmark		
Bond	\checkmark		
Beneficiation	underway		
Carbonate	underway		



San Jose test work underway in Spain

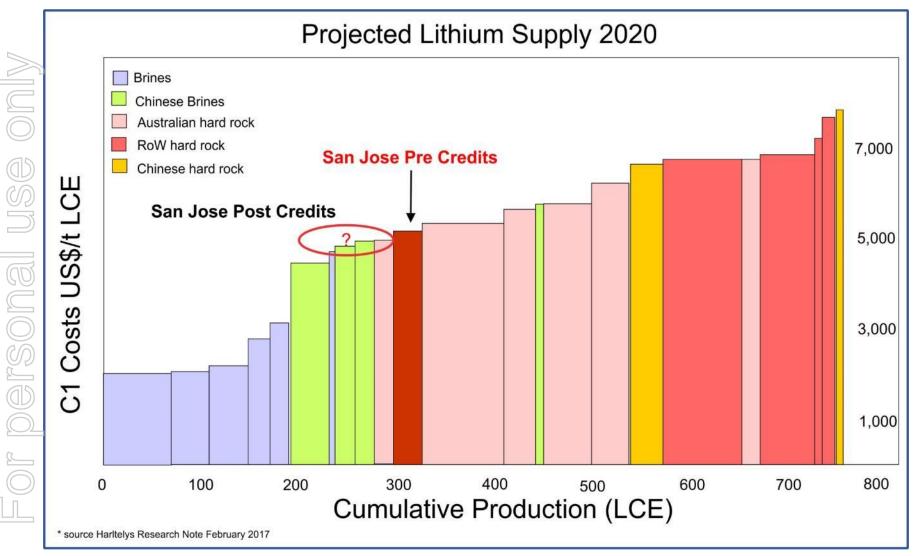
Confirming and Improving known Chemical Processes

- The Historic (1987-91) Tolsa Feasibility Study conducted extensive metallurgy process test-work on the lithium mica at San Jose.
- Plymouth has refreshed these with a focus on acid or sulphate calcine process to produce Lithium Carbonate (LCE) on site.
- Historical study delivers +95% recovery of lithium into leach* and +80% overall as a lithium carbonate Li2CO3**

*Plymouth confirmation and historic work (ongoing) **Historic feasibility study

Mica – Hard Rock with Brine Advantages





Mica can provide shorter lead time than brines and at a lower unit cost than other hard rock (i.e. spodumene) when the conditions enable processing onsite

Peer Comparatives – Lithium



Company	Deposit	Location	Host Mineral	Mining Style	Resource	Mkt Cap*	
Plymouth Minerals (ASX: PLH)	San Jose	Spain	Mica	Open pit	92.3Mt at 0.6% Li ₂ 0	\$30m	
Tawana Resources (ASX: TAW)	Bald Hill	Western Aust.	Pegmatite	Open pit	Exploration Target 30Mt-50Mt at 0.9-1.4% Li ₂ 0	\$82m	
European Metals (ASX/AIM: EMH)			Mica	Underground	~650Mt at ~0.4% Li ₂ 0	\$110m	
Bacanora Minerals (AIM/TSX: BCN)	Zinnwald	Germany	Mica	Underground	39.4Mt at 0.79% Li ₂ 0	GBP 96m	
Bacanora Minerals (AIM/TSX: BCN)	Sonora	Mexico	Clay	Open pit	420Mt at 0.68% Li ₂ 0	\$165m	
Global Geoscience (ASX: GSC)	Rhyolite Ridge	Nevada	Clay	Open pit	393Mt at 0.34% Li₂0 and 0.51% boron	\$175m	

* Approximate market capitalisations in 16 July 2017 (GBPAUD 1.75) Source: Company announcements on ASX and AIM

Peer Comparatives – Lithium

Plymouth minerals limited

	Market Capitalisation A\$ millions	Plymouth minerals limited \$30	\$82	\$110	\$165	\$165	\$175
Ð		Plymouth Minerals (Mica - Spain)	Tawana Resources (Spod-Aust)	European Metals (Mica-Czech)	Bacanora Minerals (Spod-Ger)	Bacanora Minerals (Clay-Mex)	Global Geoscience (Clay-USA)
\bigcirc	Historical Mining Region	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
Ŋ	Historical Lithium Region	\checkmark	\checkmark	✓	\checkmark	×	×
	Producing LCE Onsite	\checkmark	×	\checkmark	×	\checkmark	\checkmark
\bigcirc	□Low Cost Access to Infrastructure	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
\bigcirc	Low Cost Access to Energy	√	×	✓	×	×	\checkmark
	Government & Regional Support	✓	\checkmark	✓	×	✓	\checkmark
	JORC Resource	✓	×	✓	×	✓	\checkmark
	Commercial Production	×	×	×	×	×	×

San Jose Lithium-Tin – The Next 6 months



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Expand JORC Resource

Finalisation of Process Met Q3 2017

Mining Lease Application to be lodged Q3 2017

Complete Stage 1 – Earning 50%

Begin Stage 2 – Earning 75% by completing Feasibility Study



Potash in Gabon 100% of a major potash project on the coast



Potash – The Opportunity



- 100% ownership of drill proven, major potash projects in a past producing basin
- Infrastructure solution and access to market
- Drilling confirms vast historic drill and seismic data set
- Low enterprise value
- Top tier team in place
- Ready to have value unlocked work ongoing, results pending

Gabon





Drilling validates model

Banio

- Right basin geology, see through value on nearology with ASX.K2P (formerly ELM)
- Drilled potash bearing
- Shallow and high grade
- Sylvite and carnallite
- Seismic data interpreted multi billion tonne exploration target *
- Excellent location, uninhabited, infrastructure solution, on coast

Mamana

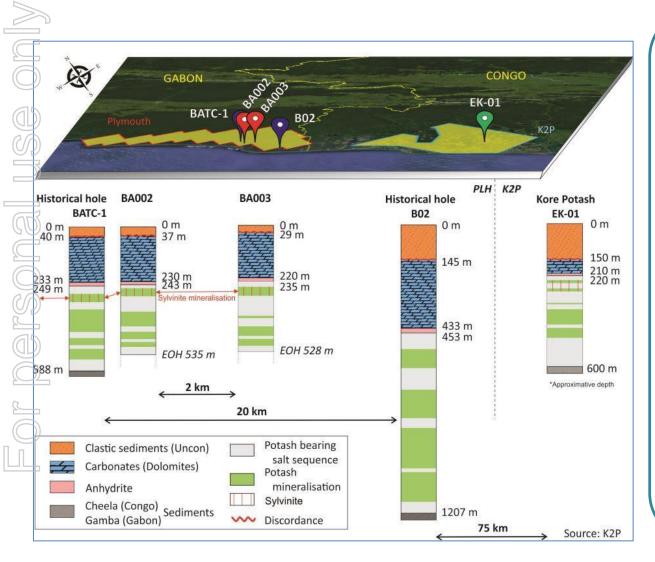
- +6,000m historical drilling
- Shallow and high-grade
- Intercepts such as 4.35m @ 29% K2O
- Infrastructure pathway to deep-water port

* Disclaimer: The potential quantity and grade of the Exploration Target is conceptual in nature. There has been insufficient exploration completed to date to estimate a Mineral Resource in accordance with the JORC 2012 Edition Guidelines. It is uncertain if further exploration will result in the delineation of a Mineral Resource.

Banio Potash Project – High-Grade in First Hole



Drill proven - Along strike of a giant and on the coast



- Hole BA-002 (only one assayed to date) incl;
- 2.55m at 32.90% KCl from 324.55m, including 2.15m at 35.28% KCl and
- 0.90m at 44.67% KCl from 324.55m
- 1.85m at 29.52% KCl, including 1.45m at 32.43% KCl
- 1.35m at 34.87% KCl from 280.95m including 0.60m at 42.84% KCl
- 0.95m at 29.70% KCl from 263.90m including 0.30m at 38.73% KCl
- 7.15m at 18.78% KCl from 409.66m, including 4.35m at 21.42% KCl
- 28.81m at 16.08% KCl from 438.71m, 19.40m at 17.03% KCl from 448.12m and 1.90m at 23.15% KCl from 457.37m



Continue drilling Banio Resource as early as Q4 2017 or Q1 2018 Proceed to Scoping Study

Grant of Mamana Drill Mamana As little as 1-2 holes required for resource on Mamana

Potash - Advancing a major project under the radar against a backdrop of strengthening prices and consistent demand growth

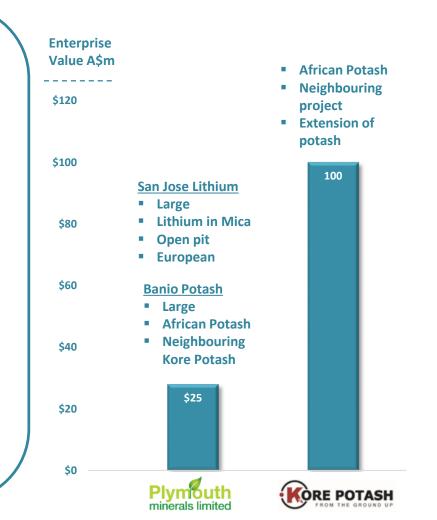
Plymouth – Unlocking Significant Value



Entry into Plymouth today is effectively **"a ground floor entry**" – given the enterprise valuation of \$25 million today with lithium project as well Potentially splitting of assets to unlock value

Resources, economic studies and upside all within months

Banio Potash – world class, see through value, top quality African management







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