



Australian Potash Limited

(ASX:APC)

Investor Presentation

August 2018





Important Statements & Disclaimers

Scoping study – cautionary statement

The Study referred to in this announcement is a preliminary technical and economic investigation of the potential viability of the Lake Wells Potash Project. It is based on low accuracy technical and economic assessments, (+/- 35% accuracy) and is insufficient to support estimation of Ore Reserves or to provide assurance of an economic development case at this stage; or to provide certainty that the conclusions of the Study will be realised.

Approximately 86% of the existing Mineral Resource is in the Indicated category, with the remainder in the Inferred category. There is a low level of geological confidence associated with Inferred mineral resources and there is no certainty that further exploration work will result in the determination of Indicated or Measured Mineral Resources. Furthermore, there is no certainty that further exploration work will result in the conversion of Indicated and Measured Mineral Resources to Ore Reserves, or that the production target itself will be realised.

The Scoping Study is based on the material assumptions outlined below. These include assumptions about the availability of funding. While Australian Potash Limited considers all the material assumptions to be based on reasonable grounds, there is no certainty that they will prove to be accurate or that outcomes indicated by the Study will be achieved.

To achieve the outcomes indicated in this Study, initial funding in the order of A\$175m/US\$135m will likely be required. Investors should note that there is no certainty that Australian Potash Limited will be able to raise funding when needed. It is also possible that such funding may only be available on terms that may be dilutive to or otherwise affect the value of Australian Potash Limited's existing shares.

It is also possible that Australian Potash Limited could pursue other value realisation strategies such as sale, partial sale, or joint venture of the Project. If it does this could materially reduce Australian Potash Limited's proportionate ownership of the Project.

Given the uncertainties involved, investors should not make any investment decisions based solely on the results of this Scoping Study.

Forward looking statements disclaimer

This announcement contains forward-looking statements that involve a number of risks and uncertainties. These forward-looking statements are expressed in good faith and believed to have a reasonable basis. These statements reflect current expectations, intentions or strategies regarding the future and assumptions based on currently available information. Should one or more of the risks or uncertainties materialise, or should underlying assumptions prove incorrect, actual results may vary from the expectations, intentions and strategies described in this announcement. No obligation is assumed to update forward looking statements if these beliefs, opinions and estimates should change or to reflect other future developments.

Competent Person statement

The information in the announcement that relates to Exploration Targets and Mineral Resources is based on information that was compiled by Mr Duncan Gareth Storey. Mr Storey is a Director and Consulting Hydrogeologist with AQ2, a firm that provides consulting services to the Company. Neither Mr Storey nor AQ2 own either directly or indirectly any securities in the issued capital of the Company. Mr Storey has 30 years of international experience. He is a Chartered Geologist with, and Fellow of, the Geological Society of London (a Recognised Professional Organisation under the JORC Code 2012). Mr Storey has experience in the assessment and development of palaeochannel aquifers, including the development of hypersaline brines in Western Australia. His experience and expertise are such that he qualifies as a Competent Person as defined in the 2012 edition of the 'Australian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Storey consents to the inclusion in this report of the matters based on this information in the form and context as it appears.

The Hydrogeological information in this report has been prepared by Carsten Kraut, who is a member of the Australasian Institute of Geoscientists (AIG), and International Association of Hydrogeologists (IAH). Carsten Kraut is contracted to the Company through Flux Groundwater Pty Ltd. Carsten Kraut has experience in the assessment and development of palaeochannel groundwater resources, including the development of water supplies in hypersaline palaeochannels in Western Australia. His experience and expertise is such that he qualifies 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 Kraut consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.

Footnotes to Disclosures

1. Refer to ASX announcement 23 March 2017 'Scoping Study Confirms Exceptional Economics of APC's 100% Owned Lake Wells Potash Project In WA'. That announcement contains the relevant statements, data and consents referred to in this announcement. Apart from that which is disclosed in this document, Australian Potash Limited, its directors, officers and agents: 1. Are not aware of any new information that materially affects the information contained in the 23 March 2017 announcement, and 2. State that the material assumptions and technical parameters underpinning the estimates in the 23 March 2017 announcement continue to apply and have not materially changed.
2. Refer to ASX announcement 27 July 2017 'Yamana Gold Assets Review and Exploration Plans'. That announcement contains the relevant statements, data and consents referred to in this announcement. Apart from that which is disclosed in this document, Australian Potash Limited, its directors, officers and agents: 1. Are not aware of any new information that materially affects the information contained in the 27 July 2017 announcement, and 2. State that the material assumptions and technical parameters underpinning the estimates in the 27 July 2017 announcement continue to apply and have not materially changed.
3. Gold Road Resources Limited, ASX announcement 27 June 2017, 'Yamana Exploration Update: Significant Intersections Returned Across Tenement Package'.



Australian Potash Limited (ASX: APC)

APC is focused on the production of the premium specialty fertiliser potassium sulphate ("SOP") from at Lake Wells in the Eastern Goldfields of Western Australia

SOP is used in the production of high value, chloride-sensitive crops such as fruits, vegetables, and tree nuts

- ❖ Being assessed for Development Approval by the EPA
- ❖ MOUs in place with two of China's largest agricultural companies for up to 200,000 tpa
- ❖ JORC Mineral Resource Estimate of 12.7m tonnes of SOP
- ❖ 280kms from bulk rail infrastructure with road access
- ❖ Not subject to Native Title
- ❖ Two stage development
 - ❖ Stage 1 150,000 tpa CAPEX A\$174m¹
 - ❖ Stage 2 150,000 tpa CAPEX A\$160m¹
- ❖ Project LOM NPV₁₀ of A\$500m and IRR of 33%¹





Corporate Overview

Capital structure	
ASX ticker	APC
Share price (31 July 2018)	A\$0.059
Shares on issue (ASX: APC)	304m
Listed Options (ASX: APCOA, 20c, October 2019)	38m
Unlisted Options (10c - 22.5c, 2021)	34m
Market capitalisation	A\$20m
Top 20	43%
Largest shareholder: Yandal Investments Pty Ltd	10%

Board of Directors, Management

Matt Shackleton, Executive Chairman

Matt joined APC as Executive Chairman in July 2014. He is a Chartered Accountant, and has more than 20 years experience in senior management and board roles. Previously the Managing Director of Western Australian gold developer Mount Magnet South NL (ASX: MUM), Matt was the founding director of West African gold and bauxite explorer Canyon Resources Limited (ASX: CAY). He has also held senior roles with Bannerman Resources Limited (ASX: BMN), a uranium developer, Skywest Airlines, iiNet Limited (ASX: IIN) and London investment bank DRCM Global Investors.

B.Comm. (Economics & Accounting), MBA, FICAA

Rhett Brans, Non-executive Director

Mr Brans is an experienced director and civil engineer with over 45 years experience in project developments. He is currently a Non-executive director with Carnavale Resources Ltd (ASX: CAV) and AVZ Minerals Ltd (ASX: AVZ). Previously, Mr Brans was a Non-executive Director of Syrah Resources (ASX: SYR), a founding director of Perseus Mining Limited (ASX: PRU) and served on the boards of Tiger Resources Limited (ASX: TGS) and Monument Mining Limited.

Dip.Engineering (Civil), MIEAUST CPENG

Brett Lambert, Non-executive Director

Mr Lambert is a mining engineer and experienced company director in the Australian and international mineral resources industry. Over a career spanning 35 years, Mr Lambert has held senior management roles with Western Mining Corporation, Herald Resources, Western Metals, Padaeng Industry, Intrepid Mines (ASX: IAU), Thundelarra Exploration (ASX: THX) and Bullabulling Gold. He has successfully managed a number of green-fields resource projects through feasibility study and development and has been involved in numerous facets of financing resource project development. Mr Lambert is a Non-executive director of Mincor Resources NL.

B.App.Sc. (Mining Engineering), MAUSIMM

Jay Hussey, Chief Commercial Officer

Mr Hussey is a highly experienced fertiliser industry executive, with an extensive background in Sulphate of Potash (SOP) marketing, Potash (MOP) supply contracting, and off-take & joint venture negotiations throughout Asia, Europe, North America and South America. Mr Hussey served for 10 years as Vice-President of China-based Migao Corporation in both Toronto and Beijing. During his time with Migao, Mr Hussey was responsible for in excess of US\$160m in equity and debt financings, which allowed that company to grow into China's largest non-State owned SOP producer. Most recently Mr Hussey was President of the Valleyfield Fertilizer Corporation, a company he founded and which is now a subsidiary of Potash Ridge Corporation (TSX: PRK), based in Toronto. With Valleyfield, Mr Hussey negotiated for the supply of potassium chloride for that company's Mannheim conversion process, developed off-take positions for the supply of SOP, and secured several rounds of equity financing through North America.





Lake Wells Sulphate of Potash Project

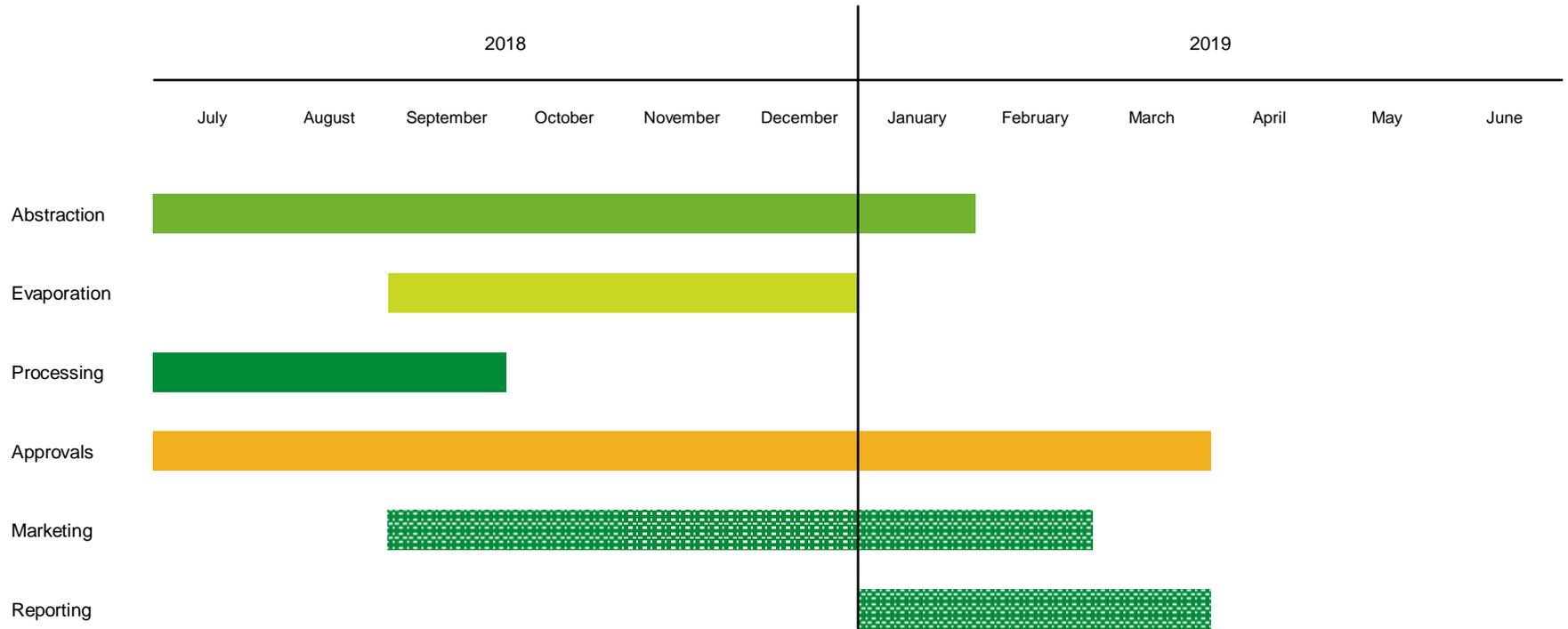
Western Australia, 100% owned

Definitive Feasibility Study Update





Milestones to Project Financing & Development



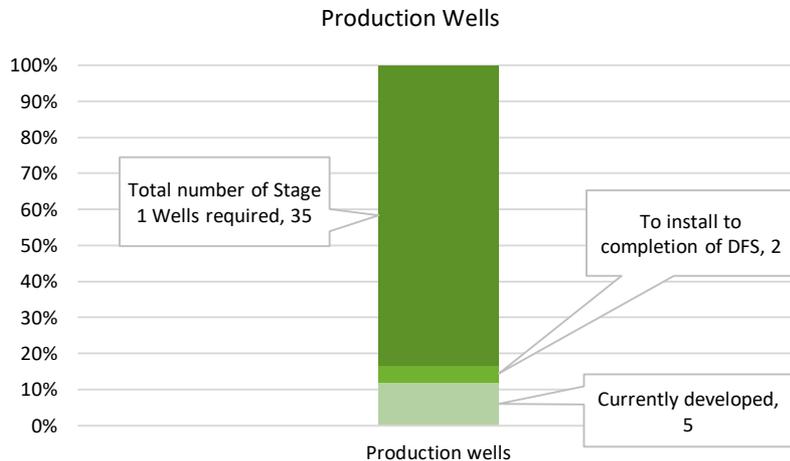
Comment

Definitive feasibility study targeted for completion Q1 2019



Definitive Feasibility Study Work Streams

Brine Abstraction Production Wells



Current position	Work stream to complete DFS	Estimated completion date
5 production wells developed into upper and lower aquifers	Additional 2 production wells to be developed	Q3 2018

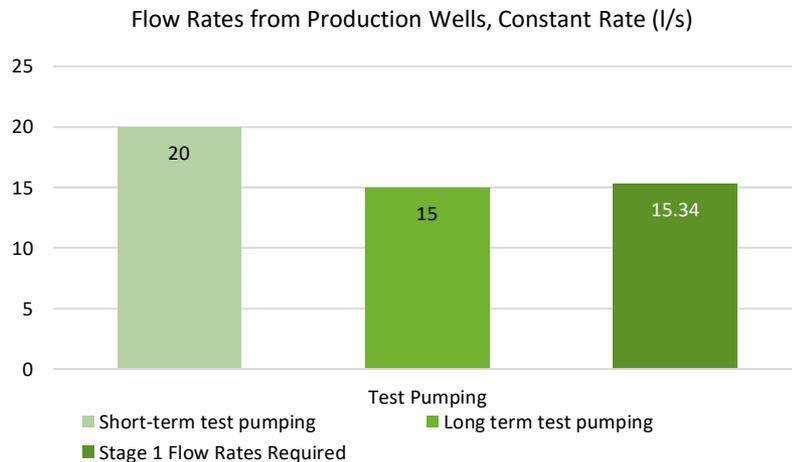
Comment

On completion of the production well DFS work stream, 20% of the Stage 1 bore-field will have been developed



Definitive Feasibility Study Work Streams

Brine Abstraction Test Pumping



Current position	Work stream to complete DFS	Estimated completion date
3 production wells at 2 sites have been step & constant rate pump tested (s/term & l/term)	Short term pump testing on new production wells and resumption of long term pump testing	Q3/Q4 2018

Comment

The test pumping DFS work stream will further verify production level flow rate data with testing of new production wells and resumption of long term pump testing

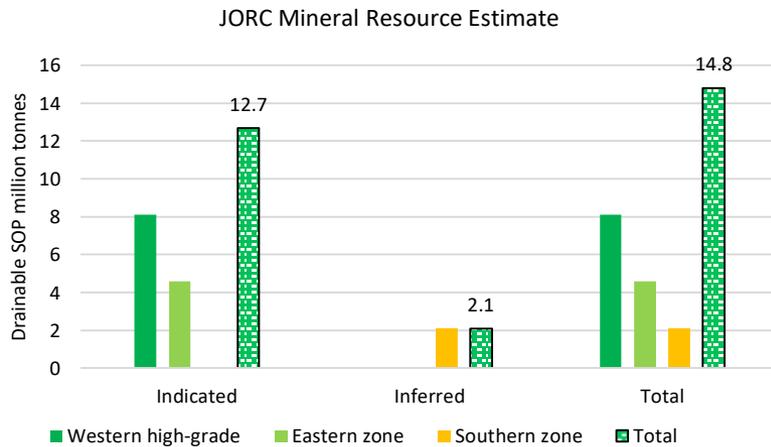
Comprehensive test pumping data set will inform the hydro-flow model leading to a *JORC Mineral Reserve Estimate*



Definitive Feasibility Study Work Streams

Brine Abstraction

JORC Mineral Reserve Estimate



Current position	Work stream to complete DFS	Estimated completion date
14.8 million tonnes Total Drainable SOP including 12.7 million tonnes Indicated	Completion of hydro-flow model and estimate of SOP Reserve	Q3/Q4 2018

Comment

The Reserve Estimate DFS work stream will be informed by test pumping data

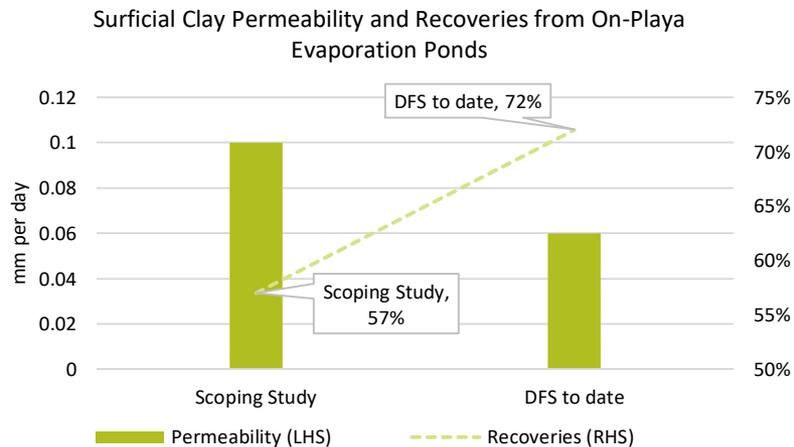
Stage 1 development is focused on the Western High Grade Zone which currently carries a JORC Indicated MRE of 8.1 million tonnes of drainable SOP



Definitive Feasibility Study Work Streams

Brine Evaporation

Continued Geotechnical Survey Program



Current position	Work stream to complete DFS	Estimated completion date
Geotech. data collated to date indicates low permeability surficial clay layer	Collection of undisturbed clay core samples, additional CPT, 3D modelling	Q3/Q4 2018

Comment

The Geotechnical Survey DFS work stream will inform final evaporation pond design and optimal brine pumping flow rates

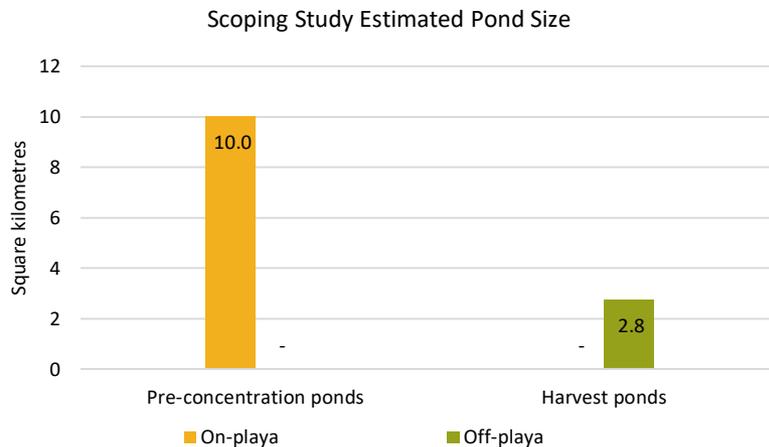
It will comprise additional verification of the surficial, low-permeability clay layer previously identified in drilling and modelled on LIDAR survey data



Definitive Feasibility Study Work Streams

Brine Evaporation

Evaporation Pond Constructability Program



Current position	Work stream to complete DFS	Estimated completion date
Preliminary, scoping study design work completed, no fieldwork has been conducted	Develop trial sites at Lake Wells testing efficacy of various bund barrier designs	Q4 2018

Comment

New work stream informed by geotechnical survey data

Will inform final evaporation pond network design

It will comprise designing, establishing, testing and assessing various bund barrier designs to limit lateral leakage from evaporation ponds



Definitive Feasibility Study Work Streams

Process

SOP Trade Sample Production Program



Current position	Work stream to complete DFS	Estimated completion date
Pilot pond harvest salts crystallising	Harvest 'feeder' salts from ponds, freight to process facility, produce SOP	Q3 2018

Comment

New work stream informed by existing test-work and pilot evaporation pond program

Will inform MOU – Offtake discussions

It will comprise harvesting salts, freighting to process facility, processing and branding samples



Definitive Feasibility Study Work Streams

Approvals

EPA Program

Current position	Work stream to complete DFS	Estimated completion date
<ul style="list-style-type: none">• S38 Referral lodged with EPA 20 December 2017• Environmental Review Document being prepared• Mining Lease applications recommended for grant April 2017• Water abstraction licenses granted for 0.9Gl	<ul style="list-style-type: none">• ERD to EPA• Water abstraction license• Mining Proposal• Mine Closure Plan• Works Approval	Q4 2018

Comment

Final stage baseline environmental survey programs will inform the ERD

Bore field and evaporation pond design will inform Mining Proposal, Mine Closure Plan and Works Approval



Lake Wells Sulphate of Potash Project

Western Australia, 100% owned

Investor Presentation

July 2018

Appendices





Sulphate of Potash (SOP): the Premium Potash

SOP is low chloride making it ideal for application to higher-value chloride sensitive crops

- Integer Research



Citrus fruit, deciduous fruits, tree nuts, strawberries and melons



And ...
avocados
cashews
hops
cucumbers
onions
lettuce
raspberries
blackberries
blueberries
mangos ...



Bright, leafy green vegetables, tomatoes, beans and potatoes



cotton



coffee



tobacco

tea



grapes



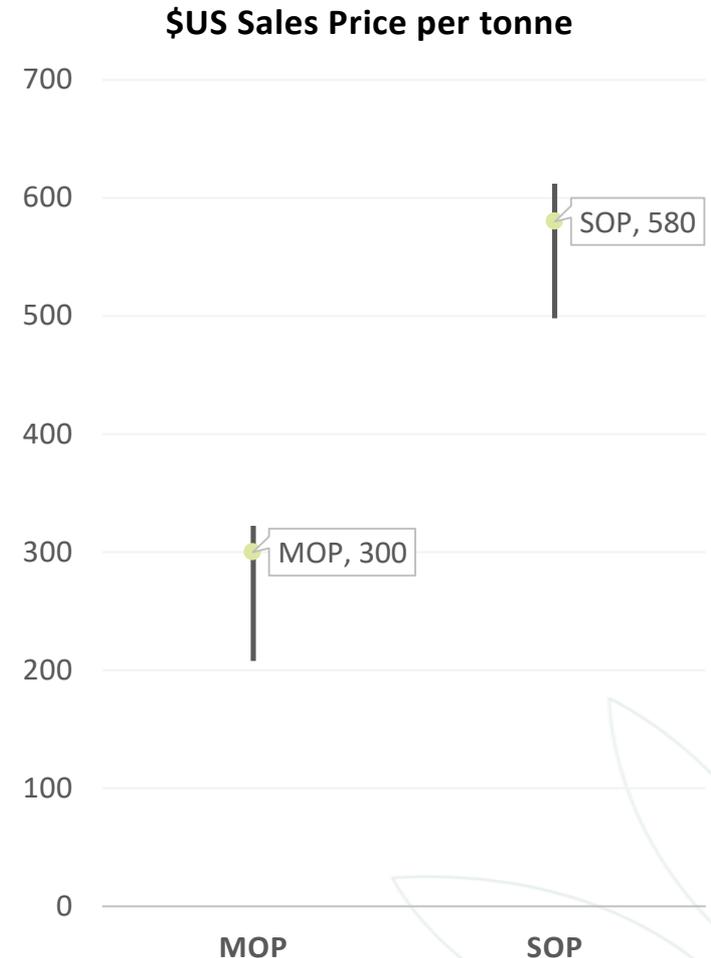


Global Trade in Potash



SOP commands a price premium over MOP of up to approx. \$US300 per tonne

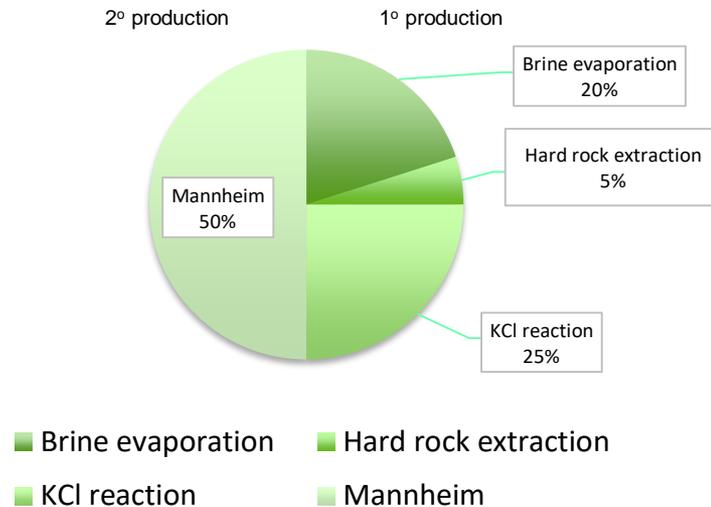
- Lack of supply: marginal cost of production
- Burgeoning demand driven by demographics
- High value nature of SOP fertilised produce





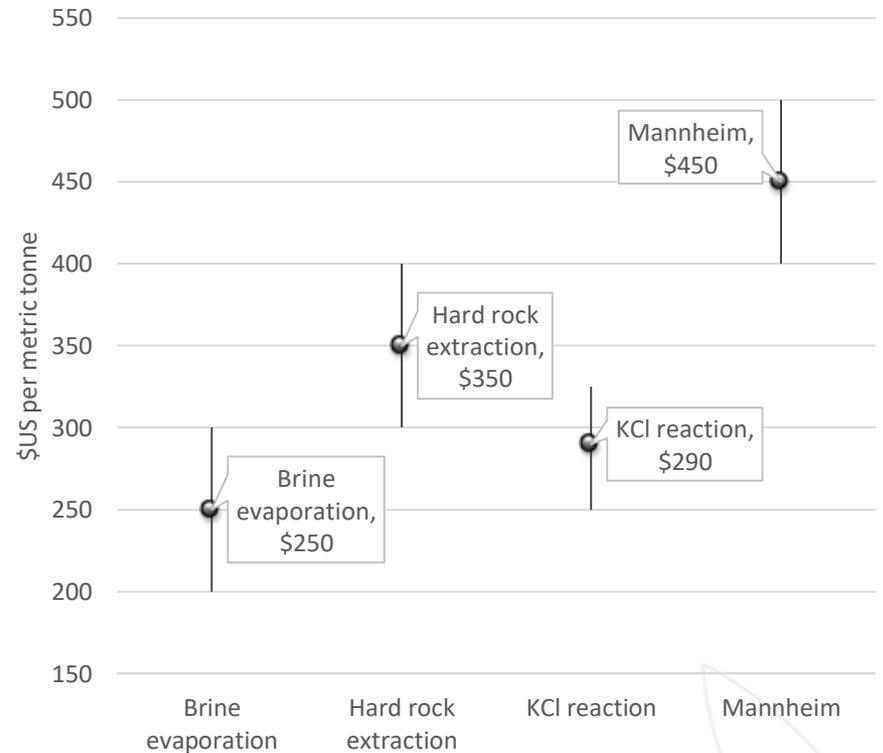
Production of SOP

Global SOP production by method



The global SOP market is under-supplied and the **Mannheim Process is the *marginal cost production method*** driving in part the approx. \$US300 premium over MOP

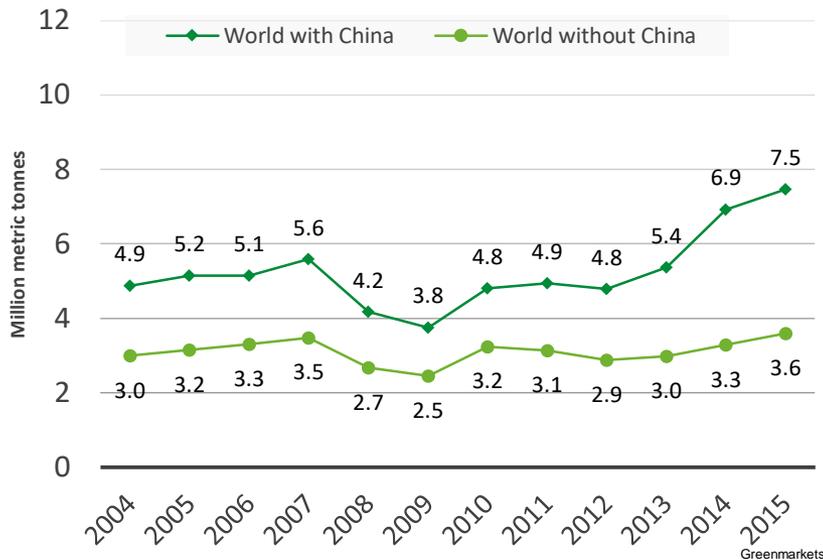
Average cost of SOP production



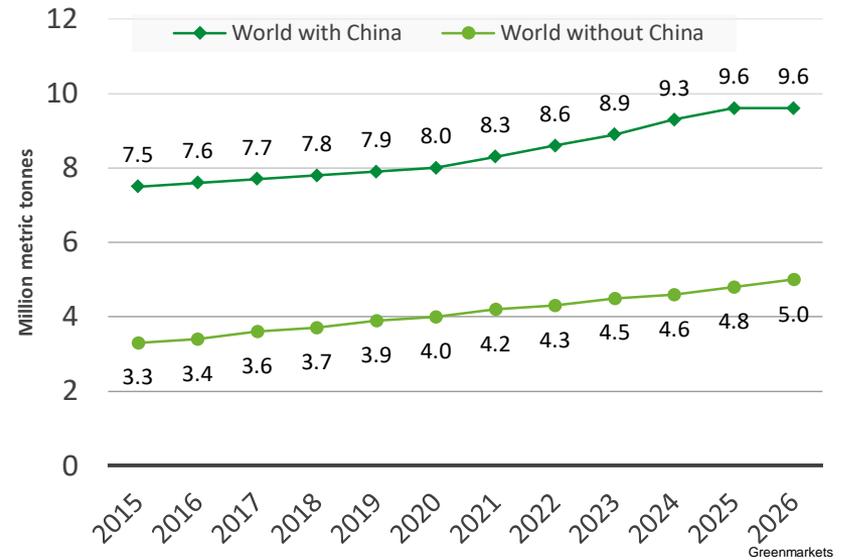


China is the World's Largest SOP Market

SOP Global Production 2004 - 2015



SOP Global Demand 2015 – 2026

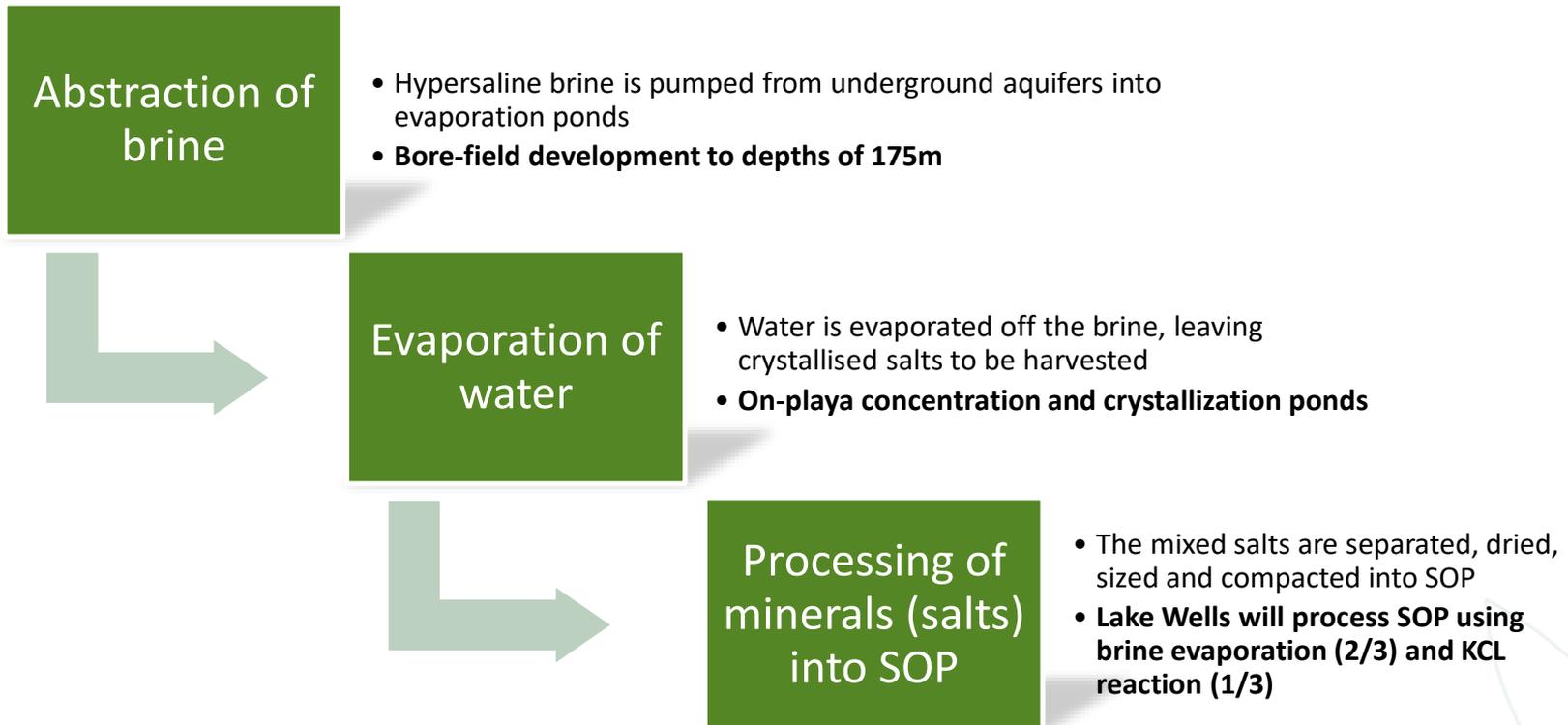


The Chinese Central government's environmental clean-up initiative includes the restriction of **Mannheim processes**, reducing domestic supply

'Chinese SOP supply could reduce by 1 million tonnes in 2018, given that Mannheim SOP production in China is expected to fall considerably owing to government environmental initiatives.' – Argus, London, 12 January 2018



Three-stage Production Process





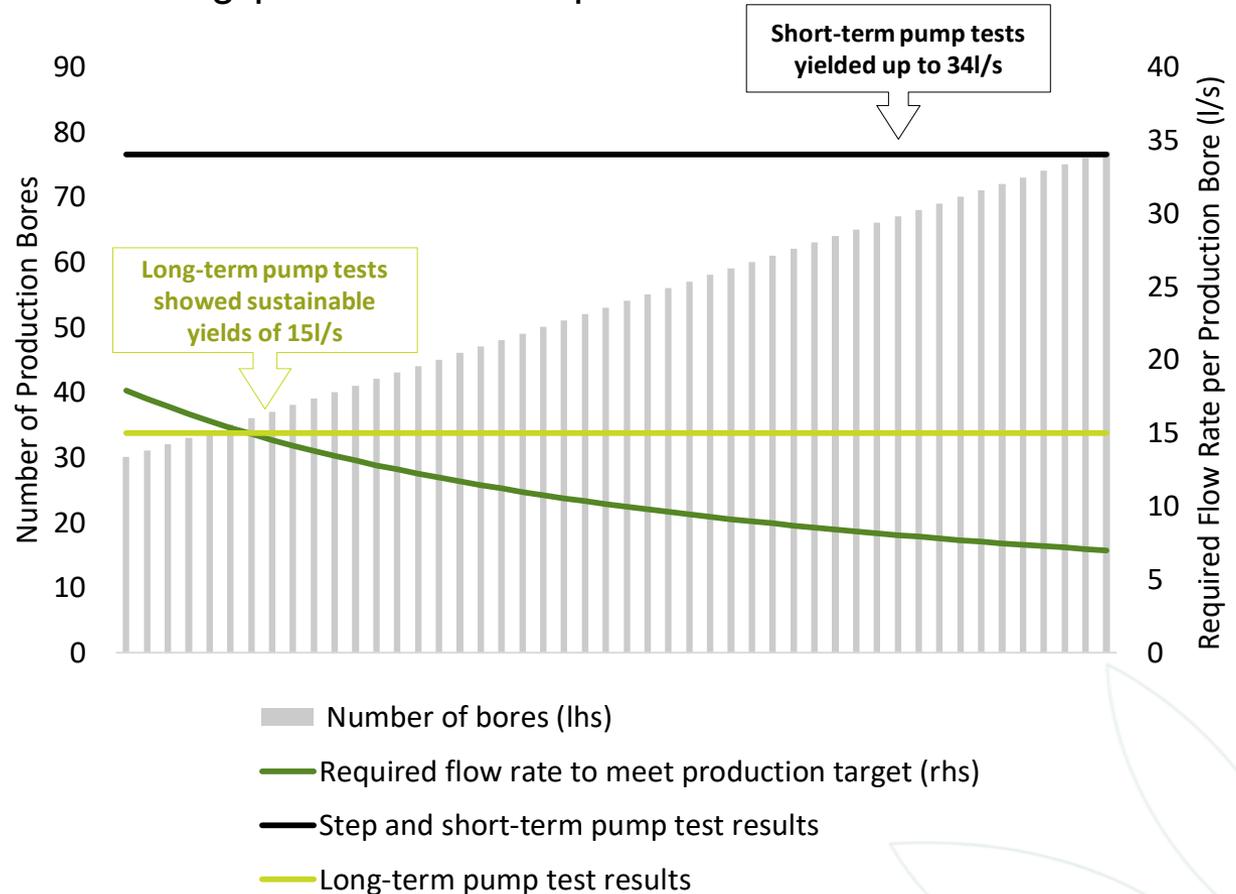
Ideal Abstraction Method to Meet Production Targets

Abstraction of brine is the ‘mining’ part of an SOP operation

Lake Wells will use a bore-field brine abstraction method

- ❖ Stage 1:
 - ❖ 35 bores
 - ❖ 150,000 tpa SOP
- ❖ Stage 2:
 - ❖ 35 bores
 - ❖ 150,000 tpa SOP

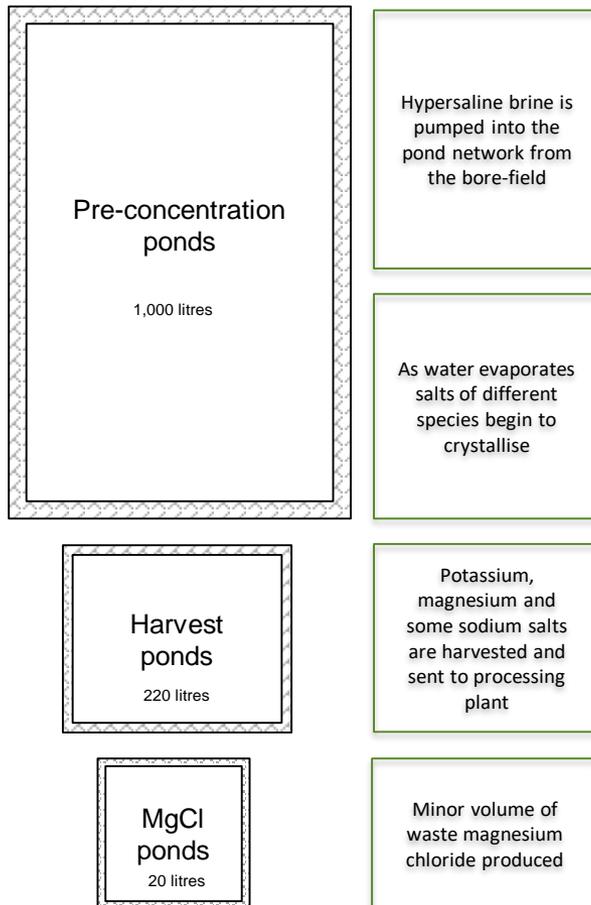
Peer analysis indicates that to achieve the same brine yield using the alternative trenching method would require >200 kilometres of 6m x 8m trenches be developed





Proven Evaporation Progression

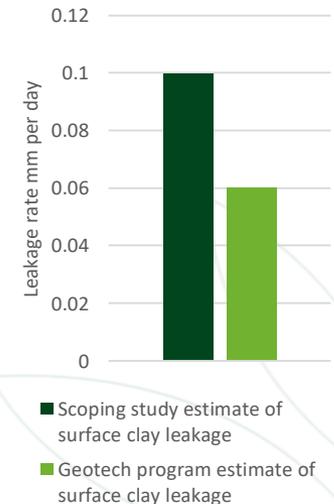
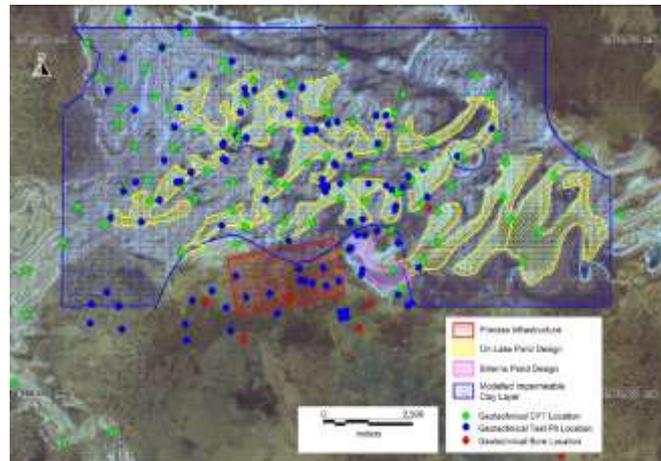
Evaporation of water is the ‘beneficiation’ part of an SOP operation



Development of evaporation pond network on the lake surface at Lake Wells confirmed through geotechnical field program comprising

- ❖ **40 test pits**
- ❖ **106 cone penetrometer tests**
- ❖ **500 kilometres of LIDAR survey**

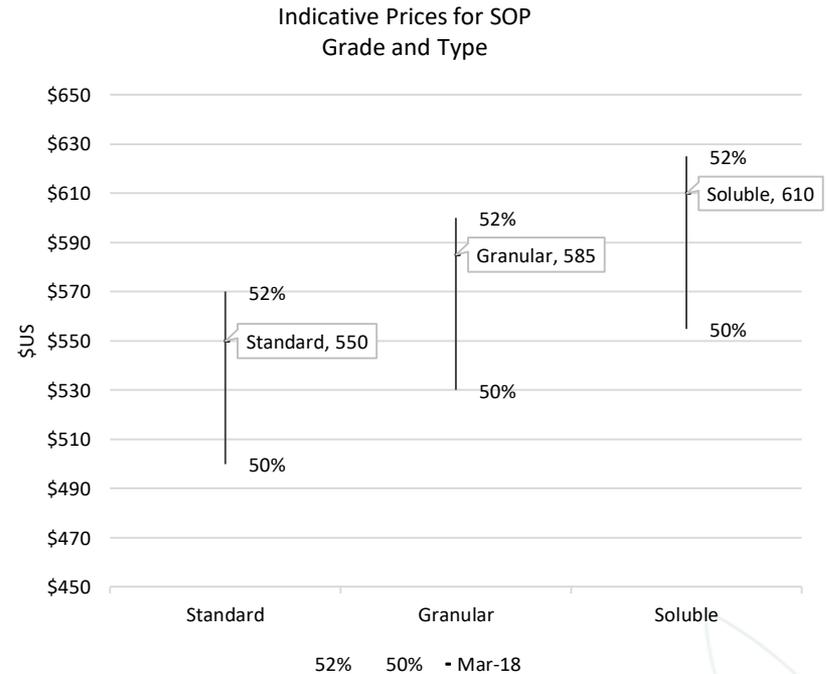
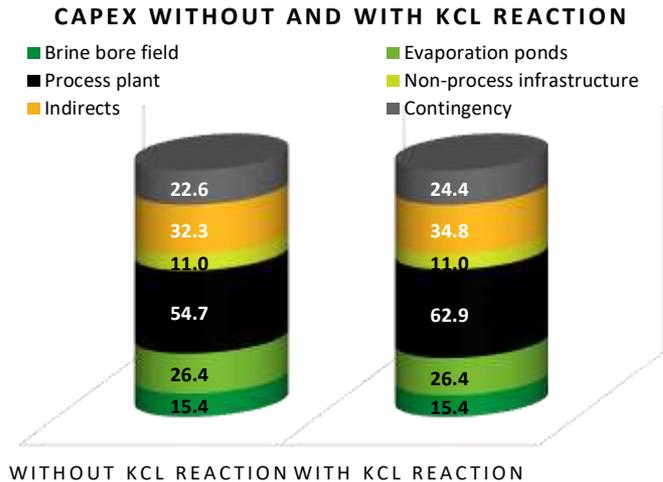
Continuous layer of low-permeability clay layer 0.8m – 1.7m below lake surface





The Lake Wells SOP Project

Lake Wells will **process** SOP from brine evaporation and KCl reaction



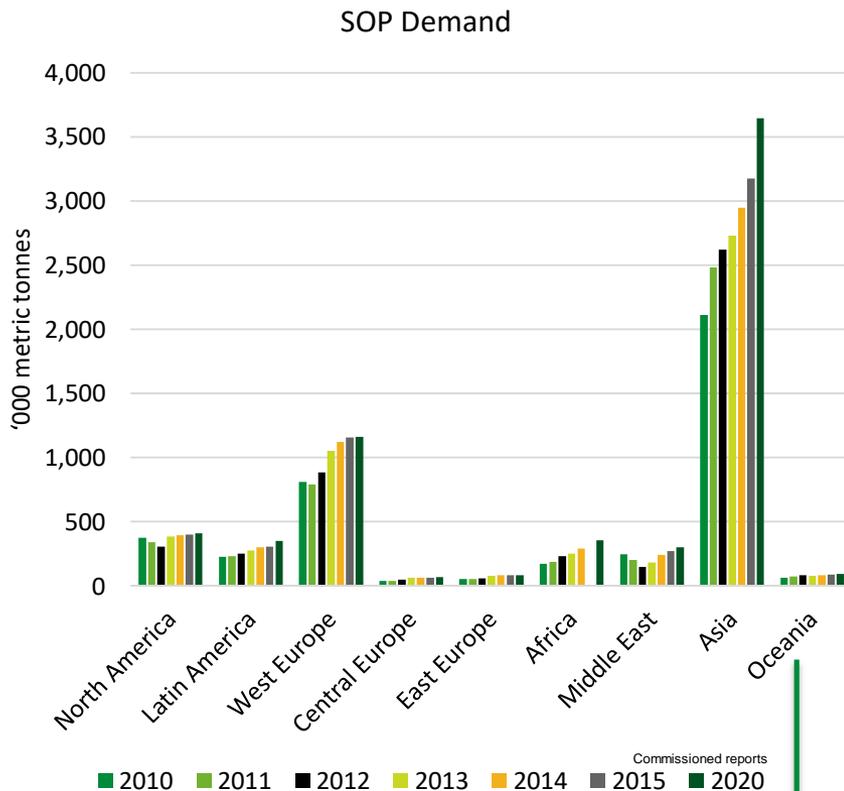
Excess sulphate (SO_4) in Lake Wells brine affords the opportunity to materially improve capital expenditure efficiency by **increasing output by 50%** with a 7% increase in CAPEX

	Without KCl reaction	With KCl reaction	Increase
Tonnes of SOP produced	100,000	150,000	50%
Pre-production CAPEX	A\$162.4m	A\$174.9m	8%

The Lake Wells SOP project is targeting to produce +52% K_2O equivalent granular SOP



China is Ideal Target Market



Lake Wells SOP project development will be underpinned by off-take agreements supplying initially into the Chinese market

Two MOUs in place for up to 100,000tpa with

- ❖ **Sino-Agri, China's largest agricultural company**
 - ❖ 18,000 retail outlets, produces SOP using Mannheim
- ❖ **Hubei-Agri, China's 11th largest agricultural company**
 - ❖ Hubei is one of China's highest producing horticultural provinces

Trade samples of Lake Wells SOP are currently being produced – the next step in formal off-take discussions

Australian farm-gate SOP prices range up to A\$1,000 per tonne due to high import costs – there is a small but lucrative market if logistics work



Approvals Schedule

Environment Protection Authority (EPA)

Western Australia's Environmental Protection Agency (EPA) is assessing the Lake Wells SOP project development on an Environmental Review Document, no Public Comment

Ministerial Approval anticipated Q2 2019

Department of Mines, Industry Regulation & Safety (DMIRS)

Mining Lease applications have been recommended for grant

Lease Grant Q4 2018

Department of Water & Environment Regulation (DWER)

Existing water abstraction license of 0.9Gl p.a.

License Grant Q4 2018

Native Title Act (1993)

There is no claim registered over the development area

Mining Proposal

Submission date: SEP
2018

Mine Closure Plan

Submission date: SEP
2018

Water Abstraction Licenses

Submission date: SEP
2018

Works Approval

Submission date: SEP
2018

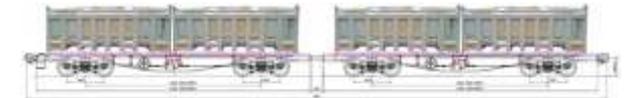
Not applicable



Well-situated for Logistics



- ❖ Quad-combination road haulage Lake Wells to Leonora



- ❖ Rail haulage Leonora rail siding to Esperance Port

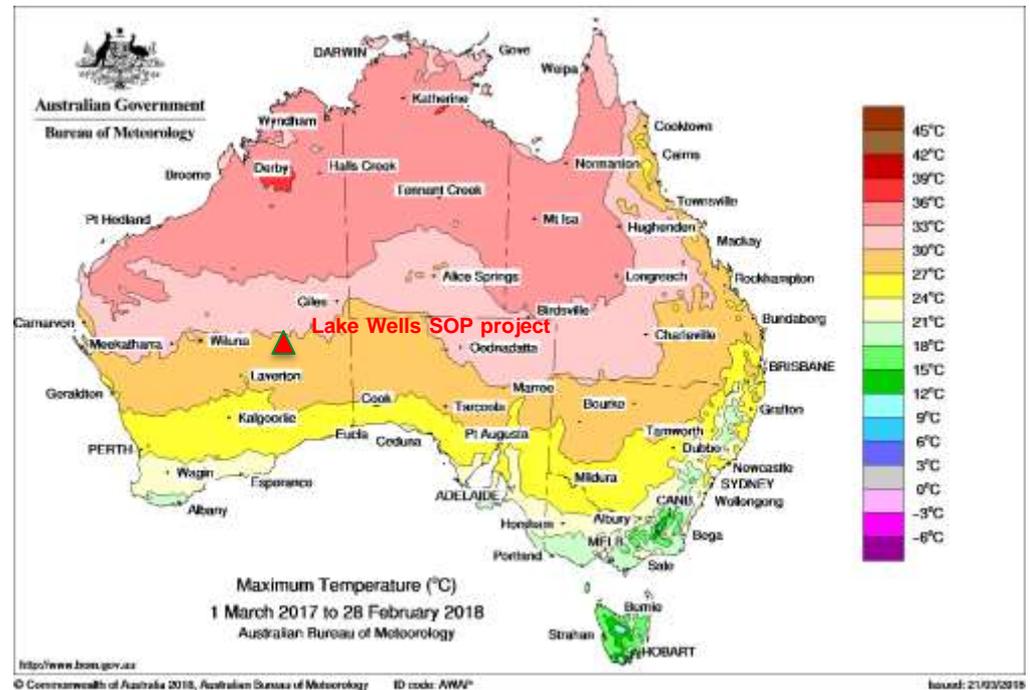
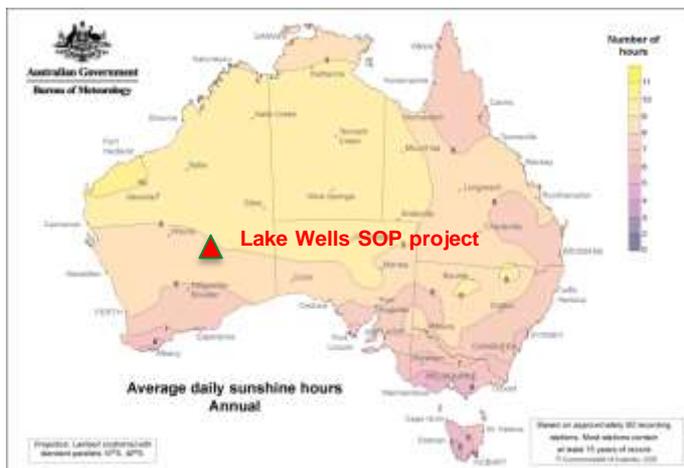
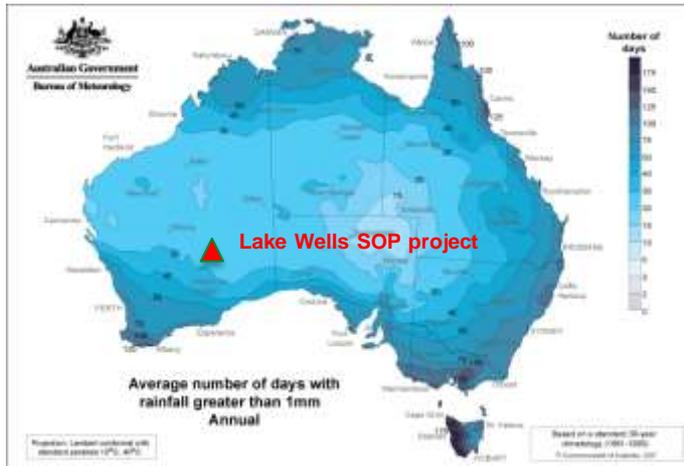


- ❖ APC's Lake Wells SOP project is the closest Australian SOP project to bulk rail infrastructure



Beneficial Climate Conditions

Location

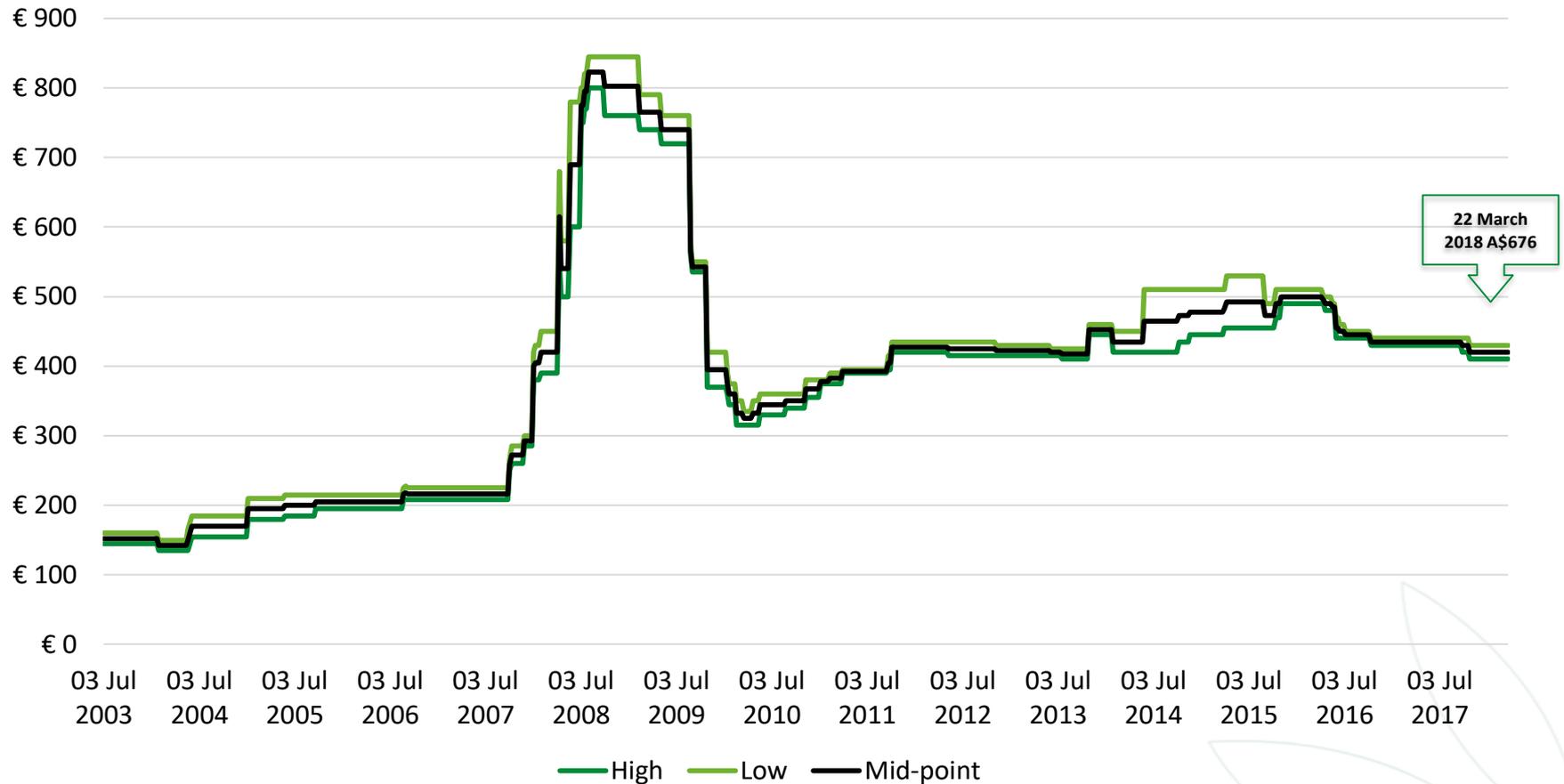


- ❖ High mean daily temperatures
- ❖ High average daily sunshine hours
- ❖ Low annual rainfall



Historical SOP Pricing

Standard SOP bulk fob NWE





JORC Compliant Resource Estimate

Hydrogeological Unit	Volume of Aquifer	Specific Yield	Drainable Brine Volume	K Concentration (mg/L)	SOP Grade (mg/L)	SOP Resource
	MCM	Mean	MCM	Weighted Mean Value	Weighted Mean Value	MT
Indicated Resources						
Western High Grade Zone						
Surficial Aquifer	5,496	10%	549	3,738	8,336	4.6
Upper Sand	37	25%	9	4,017	8,958	0.1
Clay Aquitard	4,758	6%	308	4,068	9,071	2.8
Basal Sand Aquifer	214	29%	63	4,520	10,080	0.6
Sub Total (MCM / MT)	10,505		919	3,904	8,706	8.1
Eastern Zone						
Surficial Aquifer	3,596	10%	359	3,416	7,617	2.7
Upper Sand	22	25%	5	3,345	7,459	0.04
Clay Aquitard	2,689	6%	174	3,362	7,497	1.3
Basal Sand Aquifer	237	29%	69	3,352	7,475	0.5
Sub Total (MCM / MT)	6,545		602	3,391	7,563	4.6
Total Indicated						
Surficial Aquifer	9,092	10%	907	3,610	8,051	7.3
Upper Sand	59	25%	15	3,769	8,404	0.1
Clay Aquitard	7,447	6%	482	3,813	8,503	4.1
Basal Sand Aquifer	452	29%	132	3,906	8,711	1.1
Indicated Resource (MCM / MT)	17,050		1,521	3,707	8,267	12.7
Inferred Resources						
Southern Zone						
Surficial Aquifer	1,296	16%	207	2,742	6,115	1.3
Clay Aquitard	1,901	6%	114	2,620	5,842	0.7
Basal Sand Aquifer	82	23%	19	2,871	6,401	0.1
Inferred Resources (MCM / MT)	3,279		340	2,674	5,963	2.1
<i>Indicated Resource based modelled aquifer volume, mean specific yield and weighted mean K concentrations (derived from modelling)</i>						
Summary						
Indicated Resources	17,050		1,521	3,707	8,267	12.7
Inferred Resources	3,279		340	2,674	5,963	2.1
Total Resources	20,329		1,861	3,541	7,896	14.7

Resources do not include exploration target at Lake Wells South (tenement areas south of Southern Zone)



Australian Peer Comparison

	Australian Potash (APC)	Reward Minerals (RWD)	Agrimin (AMN)	Salt Lake Potash (SO4)	Kalium Lakes (KLL)
Indicated JORC compliant SOP resource	12.7Mt	12.3Mt	4.4Mt	n/a	4.3Mt
Native Title status	NT free	2 claims 1 ILUA	1 claim 1 ILUA	1 claim NO ILUA	2 claims 1 ILUA
Road haul component in logistics	280km	862km	650km	330km	880km
Rail haul component in logistics	650km	NIL	1,410km	650km	NIL
Bores or trenches	BORES 100%	Some bores, mainly trenches	Trenches 100%	Some bores, mainly trenches	Some bores, mainly trenches
Target market	China, 2 x MOUs signed	TBD	TBD	TBD	100% sale to K+S (Germany)
Lined or Unlined evaporation ponds	Unlined	TBD	TBD	Unlined	Lined



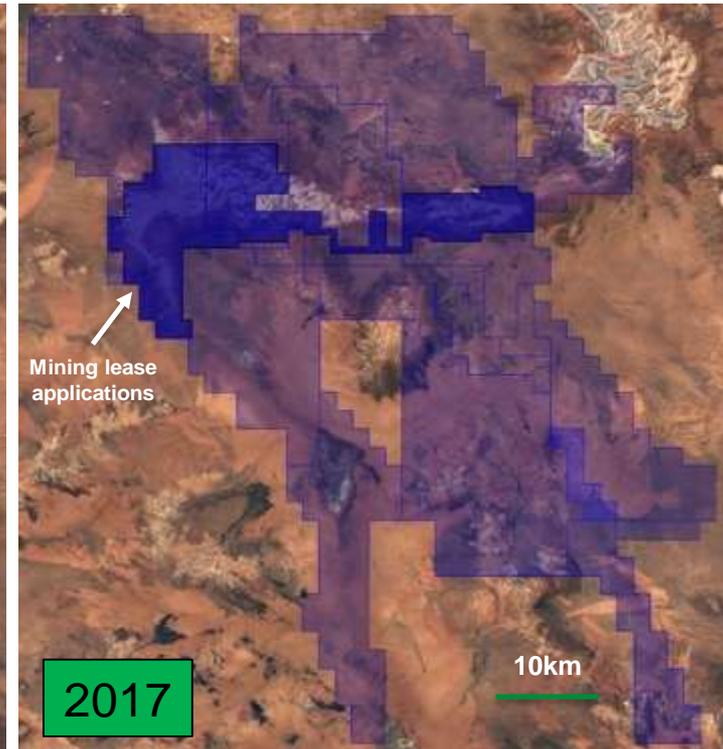
History of Progress



- High-grade Sulphate of Potash deposit identified through brine sampling
- Drilling confirms potential for deep, long and broad deposit
- Seismic survey completed highlighting scale of palaeochannel hosting the brine deposit
- Transaction to treble project area completed



- Maiden JORC Compliant SOP Resource
- Initial test-production bores developed
- First production flow rates released showing rates up to 34l/s
- Applications made for Mining Leases over Stage 1 Development area



- Mining Leases recommended for grant with NIL Native Title claims
- Scoping Study into development generates very strong results
- Board restructured to facilitate development
- Off-take MOUs signed with Chinese partners
- Geotechnical programs confirm pond development model
- Aquifer recharge confirmed through long-term pump testing
- Definitive Feasibility Study commenced



SOP Data Information Sources

www.greenmarkets.com

www.integer-research.com

www.argusmedia.com

www.cru.com

www.fertilizer.org

www.sopib.com

Green Markets

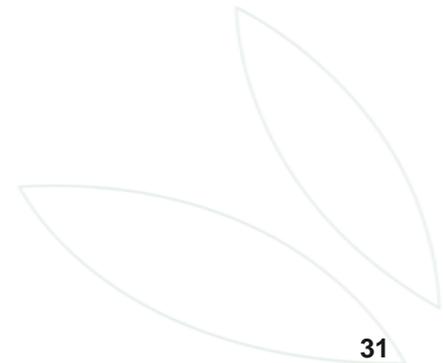
Integer

Argus Media

CRU International Limited

The International Fertilizer Association

Sulphate of Potash Information Board





Registered Office Address

31 Ord Street, West Perth WA 6005

PO Box 1941, West Perth WA 6872

Reception: +61 8 9322 1003

Email: m.shackleton@australianpotash.com.au

Website: www.australianpotash.com.au

ABN 58 149 390 394

