



**WORLD CLASS
FERTILISER PRODUCTS
FROM WORLD CLASS ASSETS**

AGM 26th November 2014

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Information in the presentation that relates to the Mineral Resource estimate for Dinner Hill is fully described in the ASX release of 11 October 2012. Information relating to the Dinner Hill Extended Exploration Target was released to the ASX on 07 May 2013. Information relating to the phosphate Mineral Resource estimate for Dinner Hill was released to the ASX on 23 September 2013. The Company is not aware of any new information or data that materially affects the information included in this presentation. All material assumptions and technical parameters underpinning the Mineral Resource estimates and Exploration Target in this presentation continue to apply and have not materially changed.

The K-Max Scoping Study referred to in this presentation was fully described in the ASX release of 10 January 2013 and the Phosphate Scoping Study was released on 19 September 2013. Both are based on low-level technical and economic assessments, and are 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 Scoping Study will be realised. All material assumptions and technical parameters used in the Scoping Studies, and included in this presentation, continue to apply and have not materially changed. Potash West has concluded that it has a reasonable basis for including the forward looking statements provided in this presentation.

Competent Persons statements

The information in this report that relates to the estimation of Exploration Targets and Mineral Resources is based on and fairly represents information and supporting documentation prepared by J.J.G. Doepel, who is a member of the Australasian Institute of Mining and Metallurgy. Mr Doepel, Principal Geologist of the independent consultancy Continental Resource Management Pty Ltd, has sufficient experience relevant to the style of mineralisation and type of deposit under consideration. He is qualified as a Competent Person as defined in the 2012 edition of the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves”. This report is issued with Mr Doepel’s consent as to the form and context in which the Mineral Resource appears

The information in this report that relates to reporting of Exploration Results based on and fairly represents information and supporting documentation prepared by Lindsay Cahill, who is a member of the Australasian Institute of Mining and Metallurgy and the Australian Institute of Geoscience. Mr Cahill is a consultant to the mineral industry and has sufficient experience relevant to the style of mineralisation and type of deposit under consideration. He is qualified 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 Cahill consents to the inclusion in this report of the matters based on information in the form and context in which it appears.

The metallurgical information in this report is based on and fairly represents information and supporting documentation compiled by Gary Johnson, who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Johnson has sufficient experience relevant 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. Johnson is a Non-executive Director of Potash West and Managing Director of Strategic Metallurgy Pty Ltd. This report is issued with Mr. Johnson’s consent as to the form and context in which the results appear.

Photo’s courtesy of IPI: www.ipipotash.org:
International Potash Institute (IPI) , Horgen, Switzerland



Agenda

- **Company Snapshot**
- **Fertiliser Overview**
- **South Harz Project, Germany**
- **Dandaragan Trough Project, Western Australia**
 - **Phosphate**
 - **K-Max**
- **Value Proposition**



CORPORATE SNAPSHOT

ASX CODE	PWN
SHARE PRICE – 13 Nov 2014	AU\$0.05
MARKET CAP.	AU\$10M
SHARES ON ISSUE ⁽¹⁾	196 M
12 MONTH RANGE	4c – 11c
TOP 20 SHAREHOLDERS	56%
MGMT AND DIRECTORS	13%

(1) Plus 36M partly paid and 14M options, fully diluted =246M shares

BOARD

Adrian Griffin – Chairman

- Mine production and corporate management. Founding director of Washington Resources, Ferrum Crescent and Northern Minerals, MD Cobre Montana

Patrick McManus– Managing Director

- Industrial minerals specialist, project development and minerals marketing. Rio Tinto, RGC and Cable Sands. Founding Director and ex MD Corvette Resources

Chew Wai Chuen

- Finance background, experienced private banker, director Tungsten Mining (ASX)

Gary Johnson - Non-executive Director

- Process and extraction specialist. Deep hydrometallurgical experience. Developed Activox Process. Director Hard Creek Nickel (TSX) and Antipa Resources (ASX)

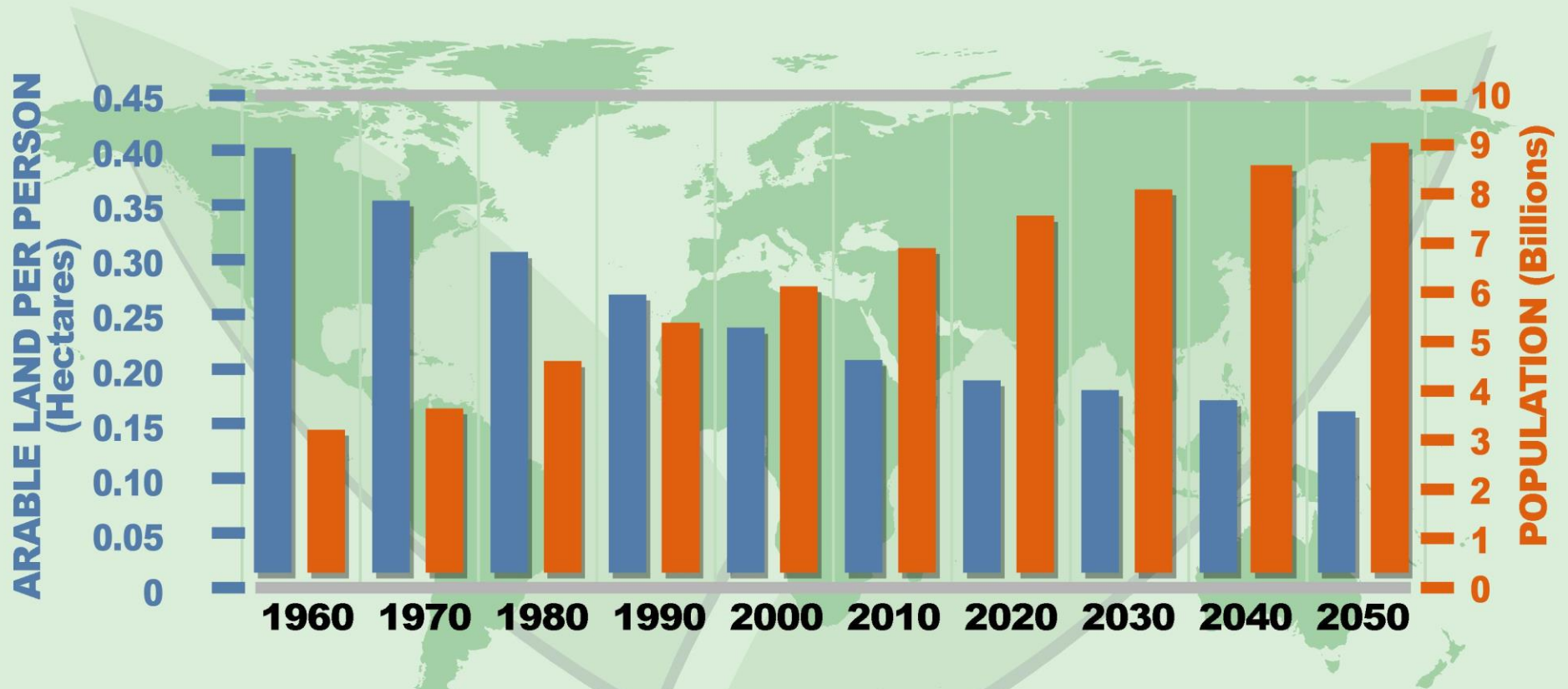


INVESTMENT CASE

- ❑ **Creating opportunities in the global fertiliser industry:**
 - ❑ **Exploring a brown-fields potash project in Germany**
 - ❑ Long established potash field with established infrastructure
 - ❑ Close to existing producers and end-users
 - ❑ Significant near-term exploration potential
 - ❑ **Exploring one of the world's largest glauconite deposits, 150 km from Perth, close to markets in WA and SE Asia.**
 - ❑ Low capex, low risk route to cashflow through phosphate production first. Low impact mining. High value potash project
 - ❑ Scale large enough to attract JV partners in fertiliser industry
 - ❑ Valuable IP created



POPULATION DYNAMICS



“The challenge is clear. With nearly 1 billion people already suffering from hunger and malnutrition in some of the fastest growing areas of the world, the challenge of doubling food production by 2050 will become more difficult as key resources become increasingly scarce and a changing climate creates unforeseen obstacles.

Undoubtedly, the world is going to have to produce more. But it cannot do so at the expense of the land or environment. We must produce more with less.”

(Hugh Grant, Forbes October 2011)



FERTILISER BUSINESS

- ❑ **3 Fertiliser bulk commodities,**
 - ❑ **N, Nitrogen, promotes green growth**
 - ❑ **P, Phosphorous, promotes plants yield potential**
 - ❑ **K, Potassium, enables plants to take up nutrients from soil and air**
- ❑ **3 Minors, Ca, S and Mg**
- ❑ **Most soils deficient in NPK**
- ❑ **Not interchangeable**
 - ❑ **Different crops = different ratios, eg**
 - ❑ **Bananas 3,000 kg of potash per ha. per year**
 - ❑ **Wheat 500kg per ha. per year**



FERTILISER BUSINESS

- ❑ **Forecast value of US\$172B in 2015,**
- ❑ **Fertiliser wholesalers mix products for region, from bulk raw materials:**
 - ❑ **Nitrogen (109 Mtpa, N): from air, gas and coal**
 - ❑ **Urea**
 - ❑ **Ammonia Nitrate**
 - ❑ **Phosphates (41Mtpa, P): mined from rock phosphate deposits**
 - ❑ **Superphosphate**
 - ❑ **Phosphoric Acid**
 - ❑ **MAPs& DAPs**
 - ❑ **Potash (28Mtpa, K, 55Mtpa MOP/SOP)**
 - ❑ **Salt lake brines**
 - ❑ **Ancient buried seabeds**

EAST EXPLORATION



- ❑ Earning 55% interest in a JV in Germany
- ❑ Counterparty, private interests
- ❑ Close to existing producers
- ❑ Expenditure \$350,000, to:
 - ❑ Apply for 2 licences, 450km2
 - ❑ Review available geological data
 - ❑ Gain 55% of project
- ❑ Working with Ercosplan, world renowned potash consultants, who have worked in this region for many years



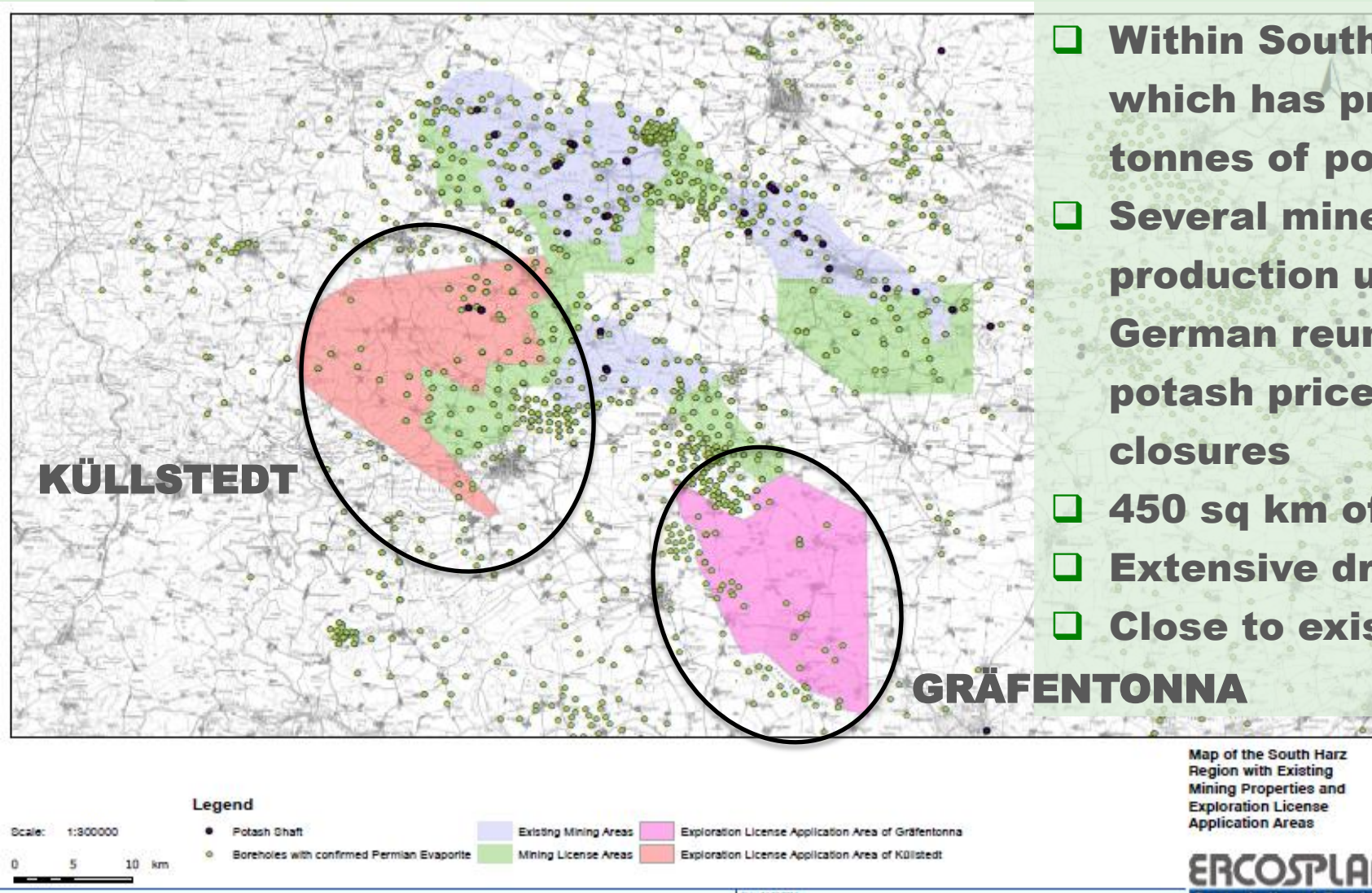
POTASH MINES IN GERMANY



- ❑ Germany has a long history of potash mining
- ❑ Extensive deposits, in Zechstein beds laid down in Permian Period
- ❑ 4th largest producer in world
- ❑ Western Europe is a net importer of potash
- ❑ Extensive expertise exists within Germany
- ❑ Established infrastructure to service regional and global markets



KÜLLSTEDT AND GRÄFENTONNA APPLICATIONS



- ❑ Within South Harz region, which has produced 100m tonnes of potash
- ❑ Several mines in production up till 1990s, German reunification. Low potash prices caused closures
- ❑ 450 sq km of application
- ❑ Extensive drilling
- ❑ Close to existing mines



DANDARAGAN PROJECT LOCATION

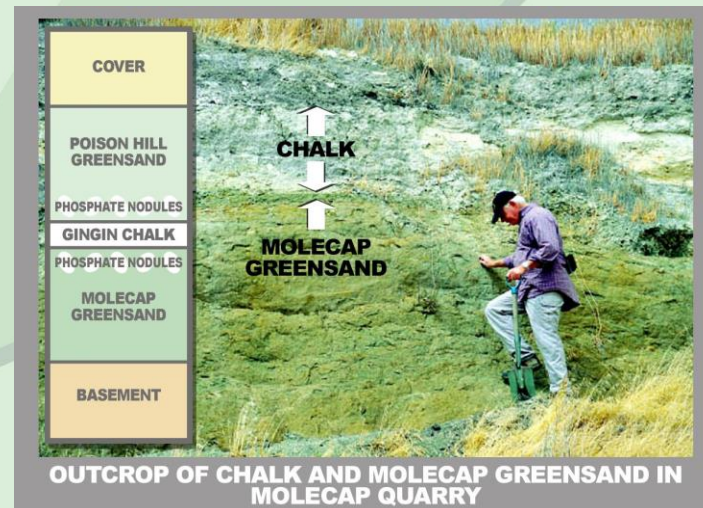
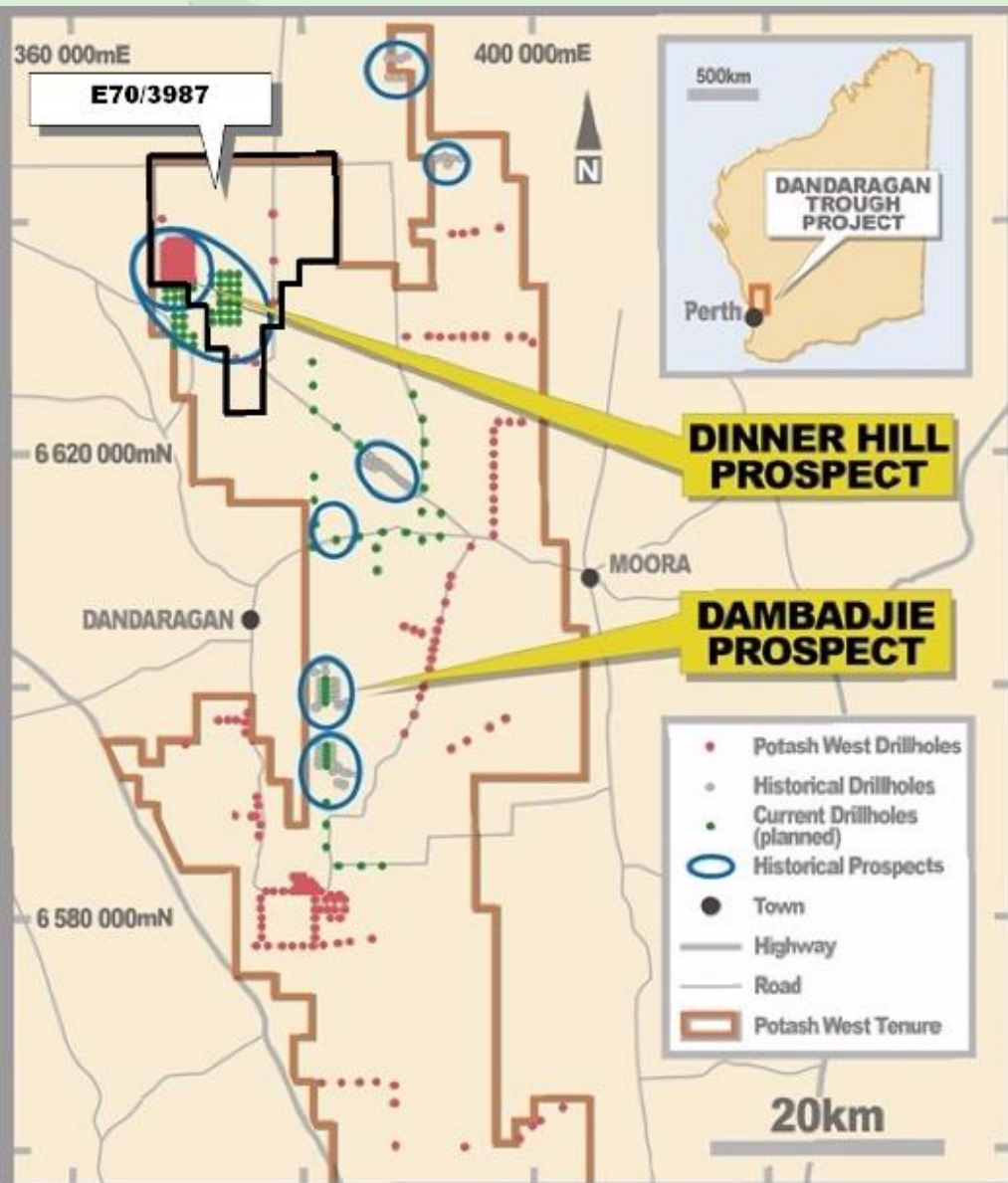


- ❑ +2,000 km² of prospective area
 - ❑ ~150km of strike
 - ❑ ~+20km width
 - ❑ Many intersections +40m
- ❑ Great infrastructure
 - ❑ Rail
 - ❑ Power
 - ❑ Gas
 - ❑ Water
- ❑ Close to local markets, WA and SE Asia
- ❑ Similar mining activity already in region
- ❑ Close to export ports

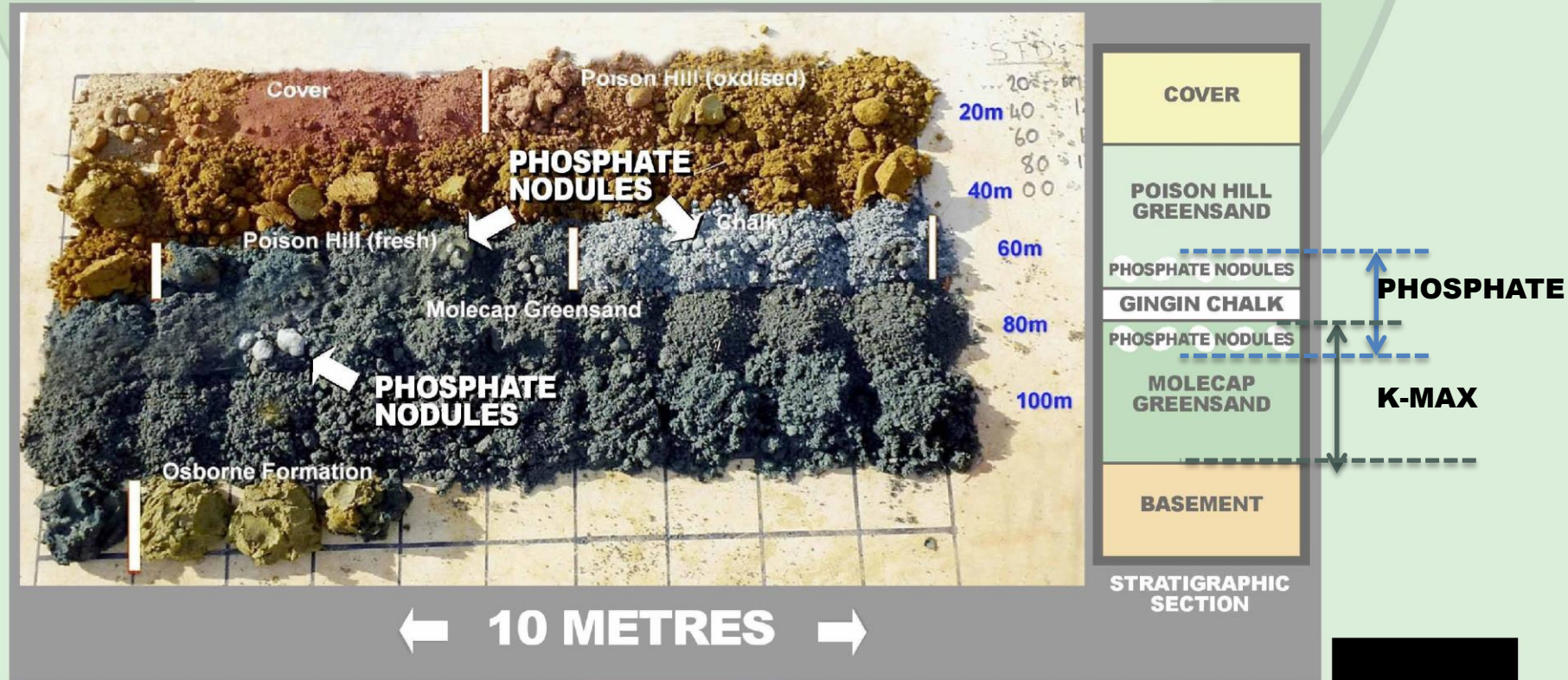


EXPLORATION

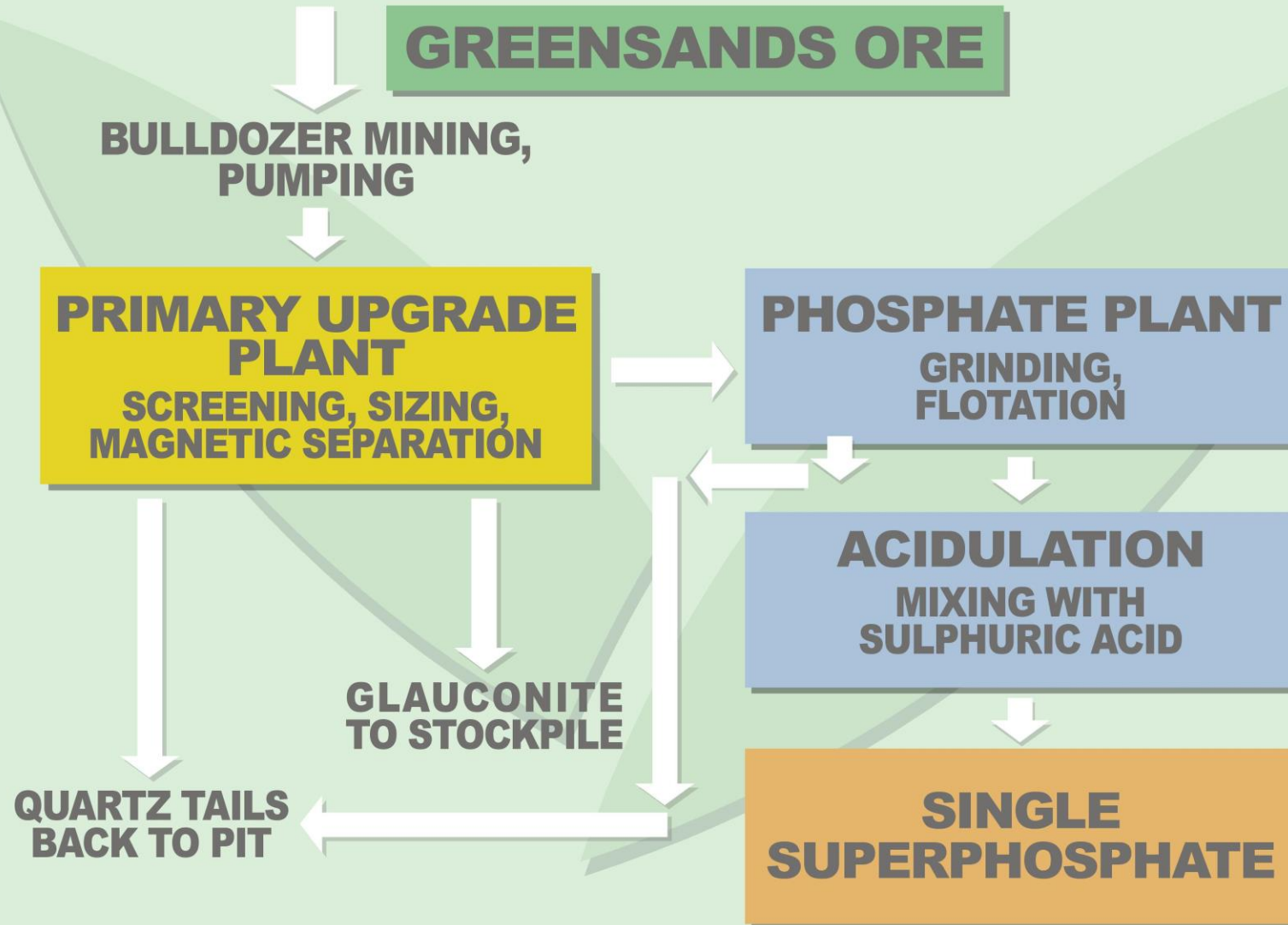
- ❑ Focus on Northern area, 409 holes drilled, 159 on Dinner Hill
- ❑ Numerous intersections of high grades close to the surface
- ❑ Dambadjie, +60m of high grade
- ❑ Dinner Hill, first resource, phosphate closer to surface



DAMBADJIE PROSPECT DRILL SAMPLES



GREENSANDS ORE - FLOWSHEET



PHOSPHATE PLANT STUDY PARAMETERS

- ❑ Mining Rate 3.8 Mtpa
- ❑ One product: 342,000 tpa Single superphosphate
- ❑ Commodity Grade, 18% P_2O_5
- ❑ Capex and Opex estimates +/-35%
- ❑ 100,000 tpa consumed locally, balance exported
- ❑ Project works, despite low feed grade, because:
 - ❑ Unconsolidated sand ore, very low cost mining
 - ❑ Ability to upgrade to ~ 10% P_2O_5 , with screening
 - ❑ High quality infrastructure in place, <200 km from ports
 - ❑ Access to sulphuric acid at low on-site cost
 - ❑ Low capital requirements
 - ❑ Low technical risk



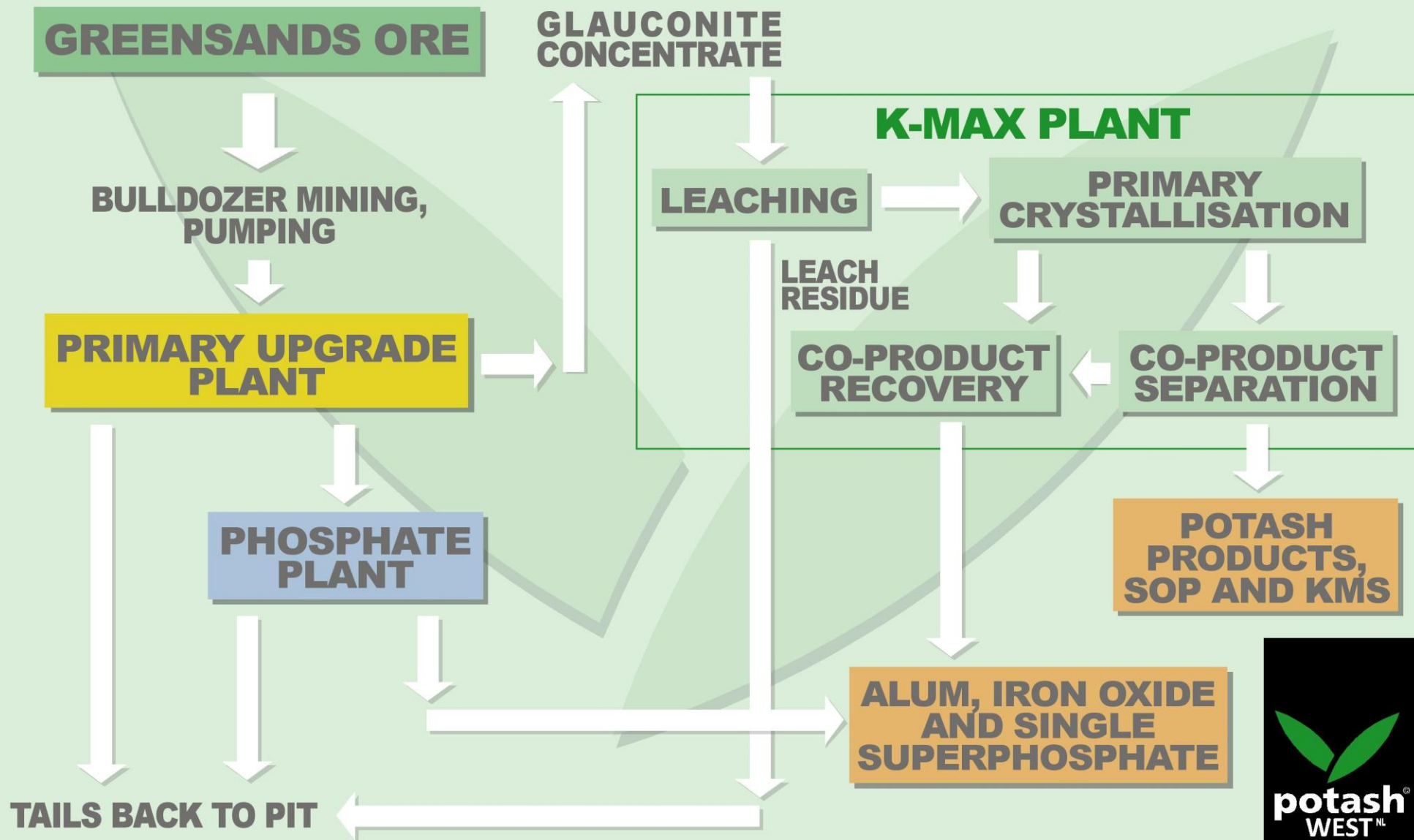
SCOPING STUDY RESULTS - PHOSPHATE

THROUGHPUT	3.8 mtpa
NPV₈ AU\$M ⁽¹⁾	331
CAPITAL COSTS, AU\$M	144
OPEX, AU\$/tonne of PRODUCT	241
REVENUE , AU\$/tonne of PRODUCT	383
IRR% ⁽¹⁾	29.5
MINE LIFE	+20 YEARS
EBITDA ⁽¹⁾, AU\$M pa	48

(1) Ungeared, pre-tax



K-MAX - FLOWSHEET



K-MAX STUDY PARAMETERS

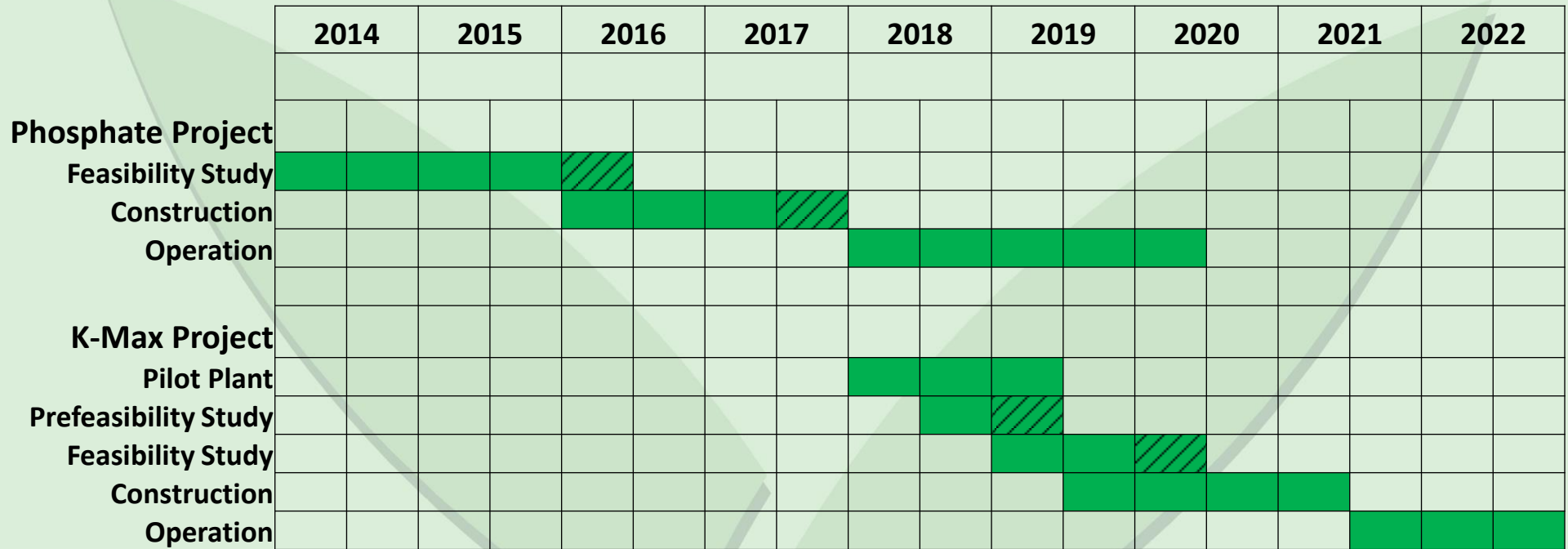
- ❑ **Mining Rate 2.4 Mtpa**
- ❑ **Suite of products:**
 - ❑ **85,000 tpa Sulphate of Potash, SOP**
 - ❑ **195,000 tpa high Magnesium SOP, KMS**
 - ❑ **220,000 tpa Iron oxide**
 - ❑ **900,000 tpa Aluminium Sulphate**
 - ❑ **310,000 tpa phosphate**
- ❑ **SOP and Phosphate consumed locally**
- ❑ **Balance exported**

K-MAX STUDY RESULTS

THROUGHPUT	2.4 mtpa
NPV₁₀ \$m	808
Capital Costs, \$m	650
Opex, \$/tonne of feed	55 (\$71/t of product)
Revenue, \$/tonne of feed Alum 40%, Potash 30%, Phosphate 25%, Iron 5%	150 (\$210/tonne of product)
IRR %	21
Mine Life	+60 years
Free Cash Flow, AU\$M, pa	228



Dinner Hill Development Timelines

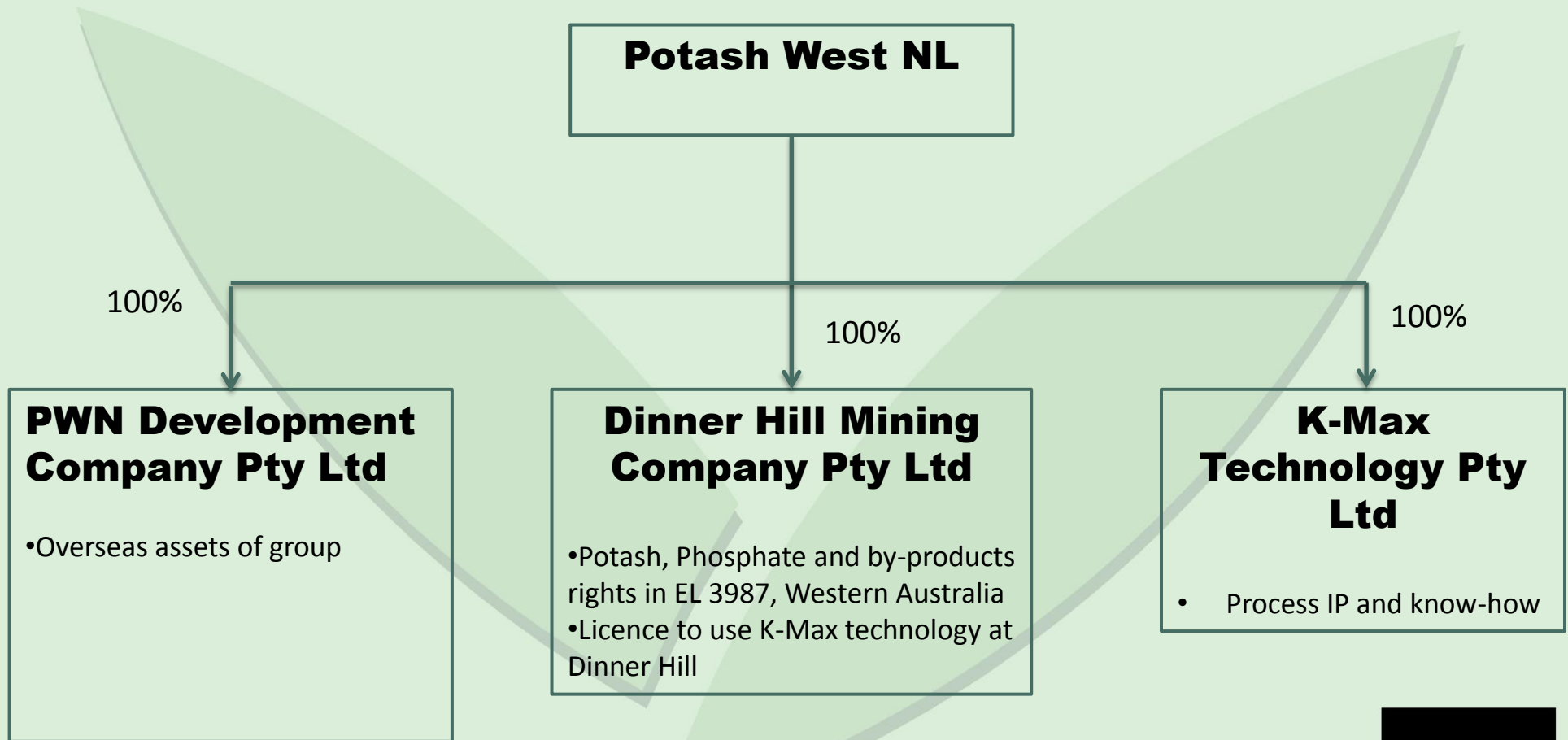


Timeline Points

- ❑ **Key elements of Phosphate Feas. Study**
 - ❑ **Update processing, and financial model, 12 months**
 - ❑ **Resource Update, 6 months**
 - ❑ **Permitting, 18 months**
- ❑ **K-Max Study**
 - ❑ **Can be brought forward, with funding**
 - ❑ **Pilot plant necessary as this is new technology**
- ❑ **German Potash Exploration Project**
 - ❑ **Licences granted, Dec 2014**
 - ❑ **Detailed appraisal of the significant exploration (+30 drillholes) on the Kuellstedt application, early 2015**



Corporate Structure



Corporate Goals 2015

☐ German Potash

- ☐ Assess Geological Information
- ☐ Establish next milestones & funding
- ☐ Possibly finance via an IPO

☐ Dandaragan Trough

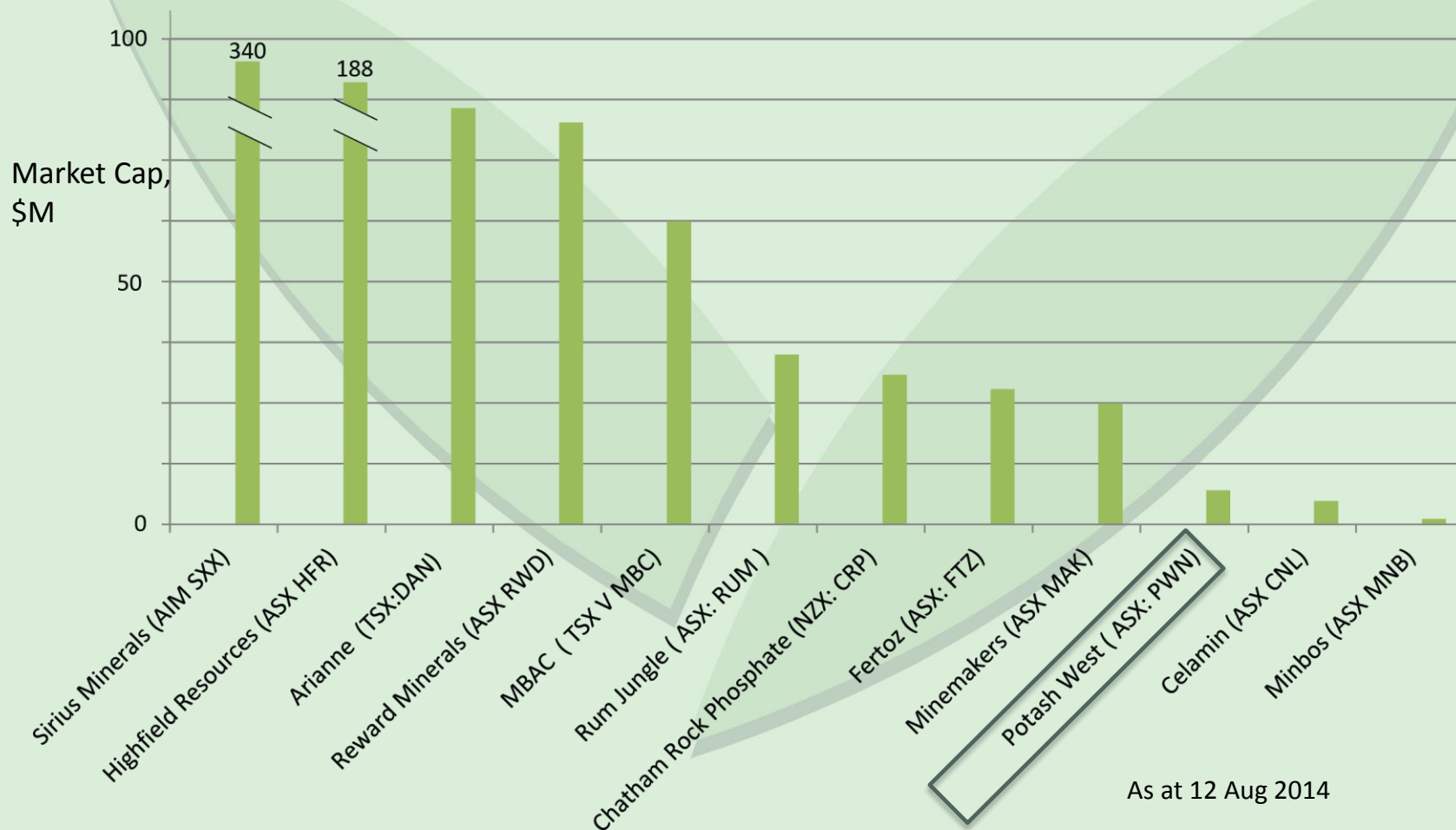
- ☐ Quantify synergy between phosphate and K-Max projects
- ☐ Advance phosphate feasibility study
- ☐ Seek strategic investor for construction and K-Max
- ☐ Earn in via a project JV at Dinner Hill

☐ Valuable IP created

- ☐ Interest from potential users
- ☐ Capture value for Potash West shareholders,
- ☐ Possible technology JV



MARKET CAP. OF FERTILISER EXPLORERS AND DEVELOPERS



INVESTMENT HIGHLIGHTS

- ❑ **Exposure to the growing fertiliser business**
 - ❑ Regions are major importer
- ❑ **German Potash, exploration upside**
 - ❑ Long production history
 - ❑ Extensive database available, quality partners
- ❑ **Dandaragan Trough**
 - ❑ Strategic location
 - ❑ Low risk start up with phosphate project
 - ❑ Blue sky with large scale K-Max process
 - ❑ Control of one of the world's largest known glauconite/greensands deposits
- ❑ **Valuable IP created**
 - ❑ Apply K-Max technology to other deposits



QUESTIONS?

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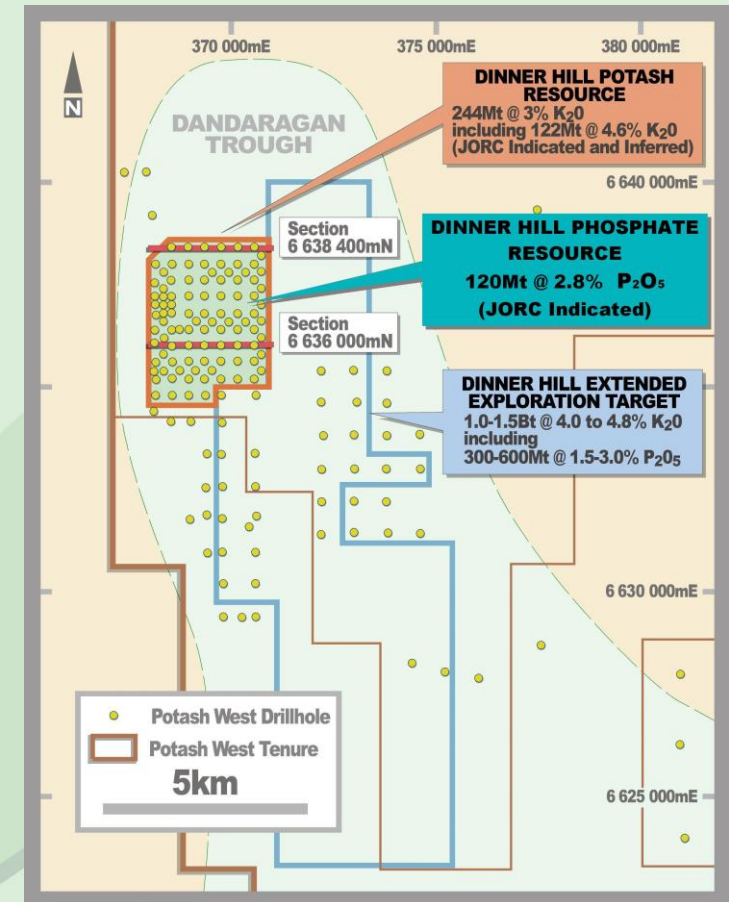


APPENDIX:



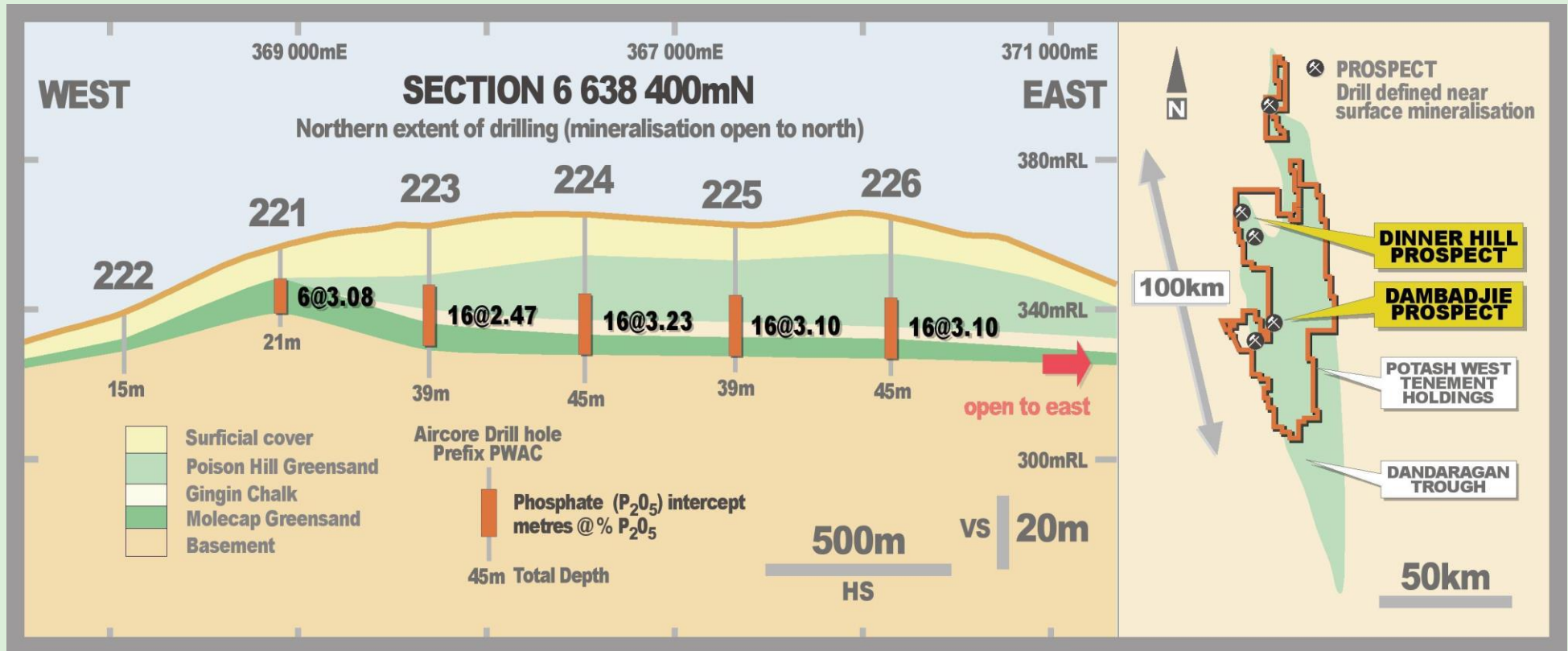
DINNER HILL EXPLORATION TARGET

- ❑ Exploration target of 1 to 1.5Bt of greensand @ 4.0 to 4.8% K_2O .
- ❑ Includes 300-600Mt of phosphate mineralisation at a grade of between 1.5% and 3% P_2O_5 .
- ❑ The exploration target has been derived from the exploration already undertaken by the Company. Refer to the diagram to the right.



(NB: The potential quantity and grade of the target is conceptual in nature, as there has been insufficient exploration to estimate a Mineral Resource over its area and as it is uncertain if further exploration will result in the estimation of a Mineral Resource.)

DINNER HILL PHOSPHATE RESOURCE



- Phosphate resource (JORC indicated), of 120 Mt @ 2.8% P_2O_5 , close to surface
- Within less than 20% of Dinner Hill target area

PHOSPHATE MARKET

- ❑ **International Phosphate Market Dominated by MENA⁽¹⁾**
 - ❑ **+50% of traded Rock Phosphate**
 - ❑ **+75% of reserves**

“The world faces a dangerous shortage of phosphate, which could slash global crop yields and send food prices soaring within a generation if nothing is done to control its use in chemical fertilisers, according to two of Australia’s leading sustainability researchers.

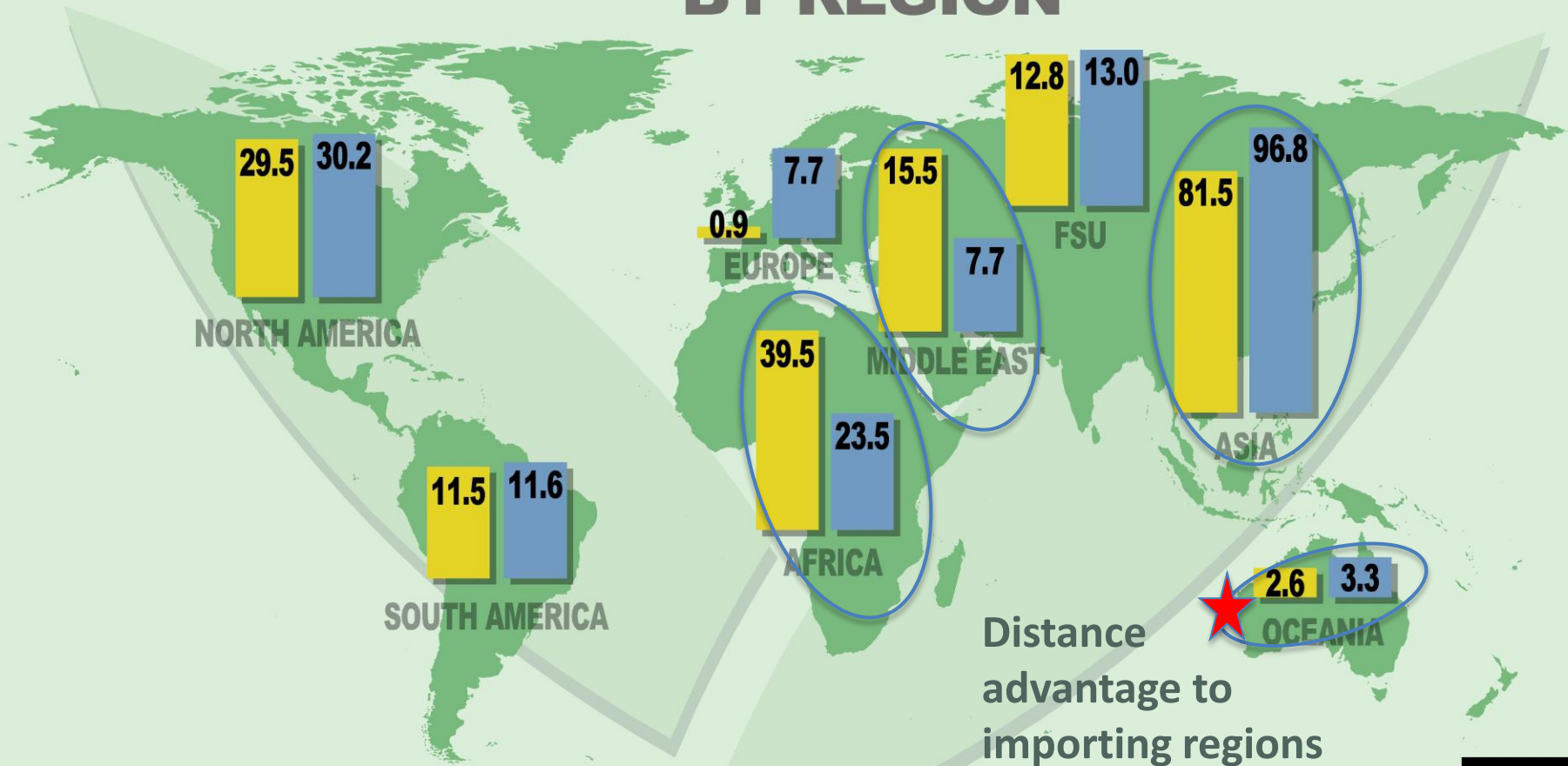
The use of phosphate rock as a fertiliser has significantly boosted crop yields in the past 50 years and it will become increasingly important as the world’s population grows and living standards rise.”

(Sydney Morning Herald Feb 21 2013)

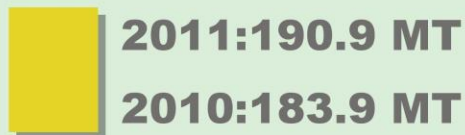
(1) – Middle East-North Africa



PHOSPHATE ROCK PRODUCTION AND DEMAND BY REGION



WORLD PHOSPHATE ROCK PRODUCTION

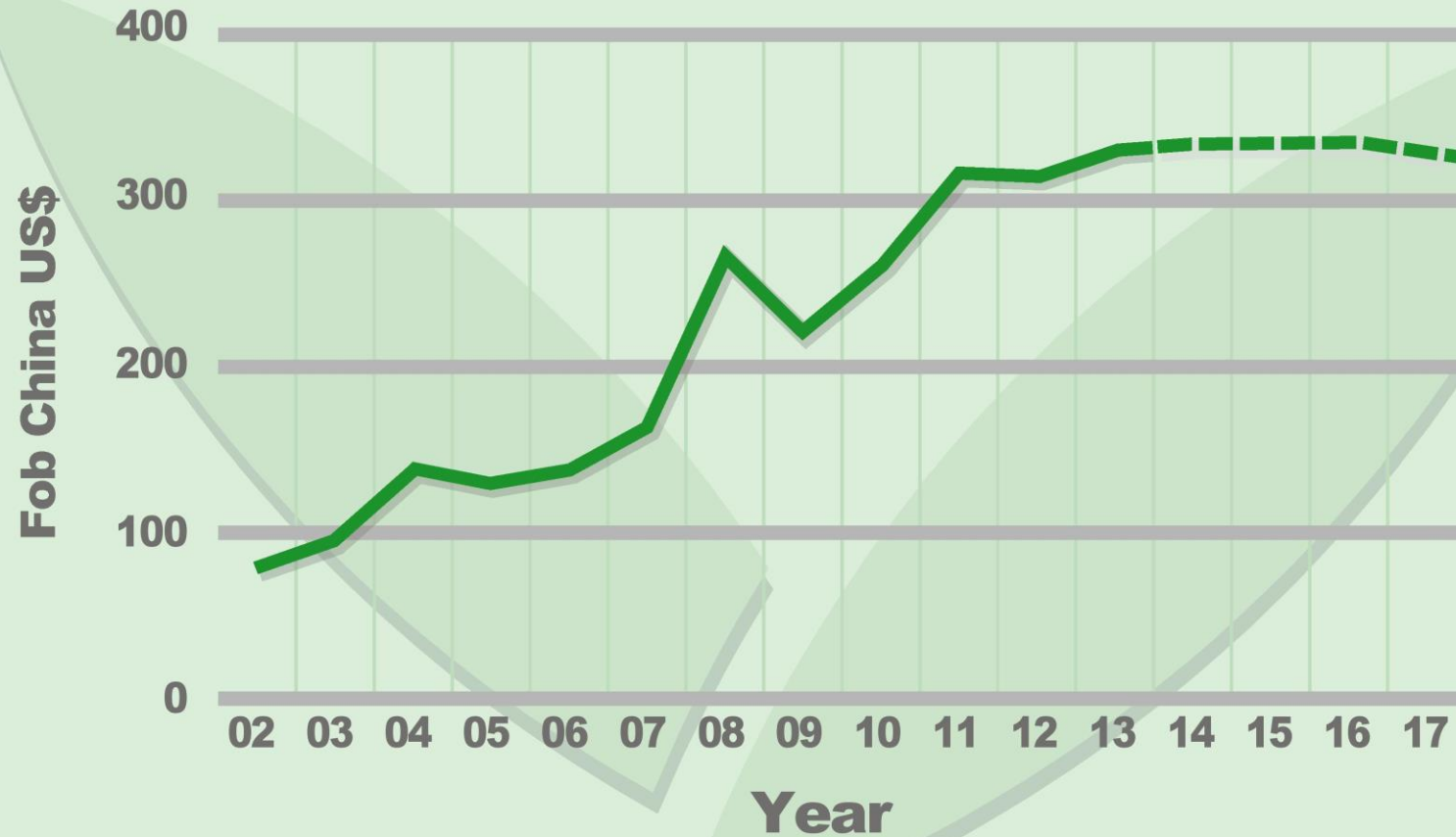


WORLD PHOSPHATE ROCK SALES



Source: IFA and Potash Corp

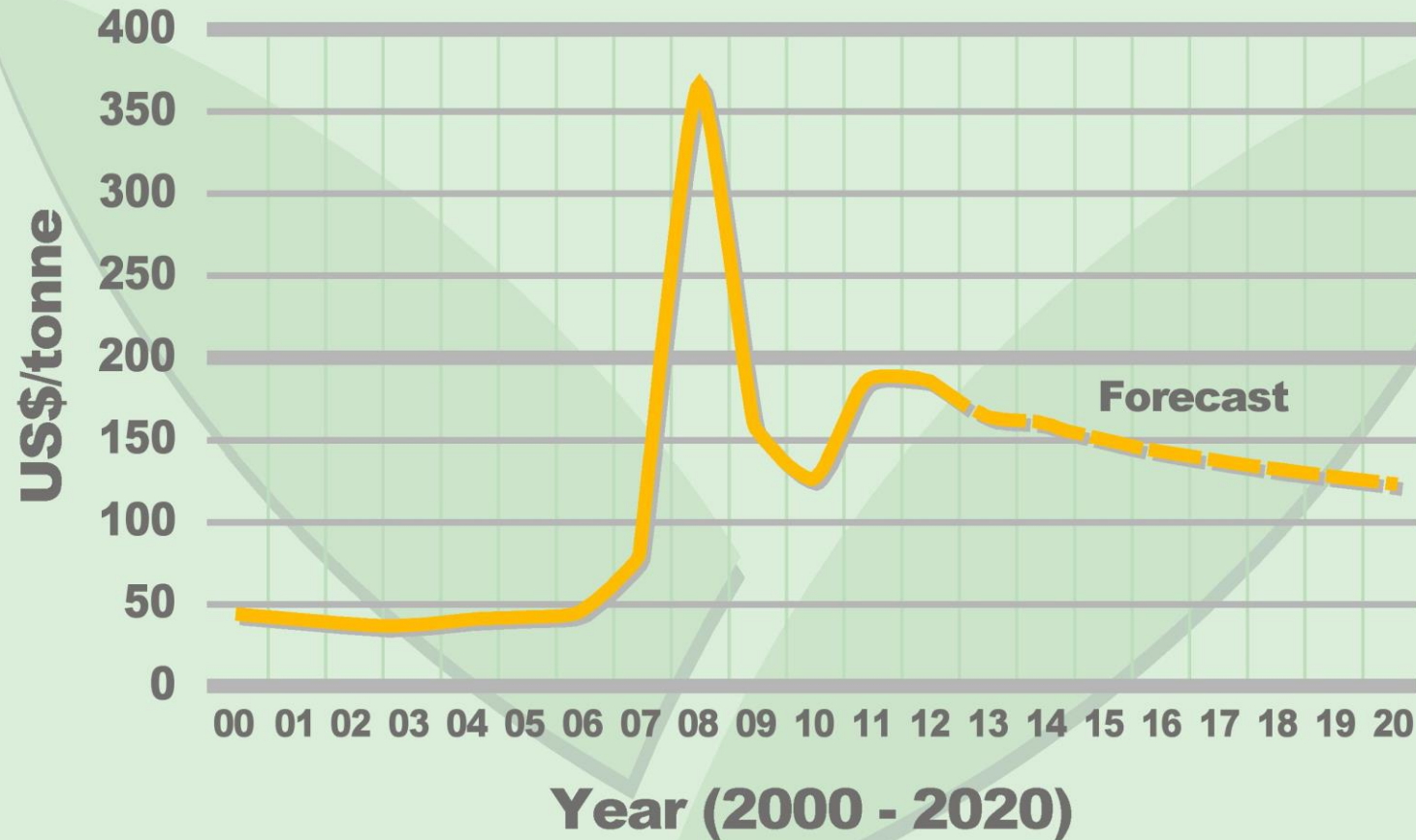
SSP PRICE HISTORY AND FORECAST PRICE



Source: CRU Private communication

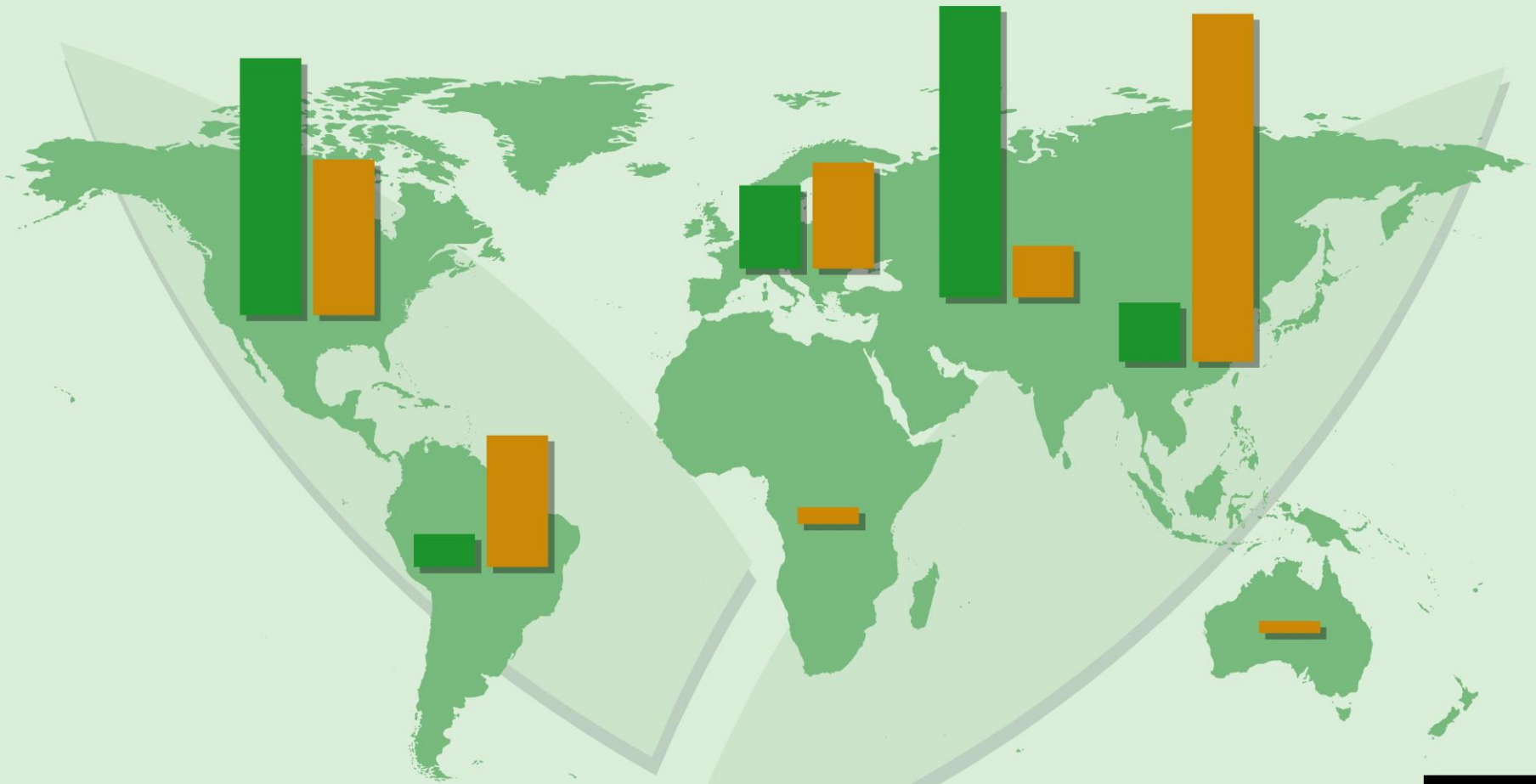


ROCK PHOSPHATE PRICE - FOB MOROCCO



Source: World Bank

POTASH PRODUCTION AND SALES BY REGION



WORLD POTASH PRODUCTION



WORLD POTASH SALES



Source: IFA and Potash Corp



POTASH PRICING - FOB VANCOUVER

MURIATE OF POTASH (KCL)



K-Max Flowsheet Details

