

Drilling Concluded at Lake Wells Potash Project

Potash explorer Goldphyre Resources Limited (ASX: GPH, Goldphyre) is pleased to advise the conclusion of drilling at its 100% owned Lake Wells Potash Project.

The drill program comprised 1,227 metres of Air-core (AC) drilling across 17 holes utilising both a standard tyre-mounted AC rig and a salt lake modified track-mounted rig. Goldphyre is expecting to report on assay results within the coming weeks.

Technical Director of Goldphyre, Brenton Siggs, commented, "Fine weather conditions and access around the salt lake edges for the tyre rig enabled us to complete the drill program over a 13 day period which included a 2 day rig change over. The majority of holes reached bedrock, except where hole depth exceeded the rig's drill rod availability or ground conditions reduced the hole depth.

It is pleasing to report that 3 of the 17 holes drilled reached depths greater than 135 metres.

We submitted over 270 brine samples, including an additional 18 auger brine samples, prospective for potash. In addition, a batch of 124 mineral samples is currently being freighted to the laboratory for gold and multi-element analysis.

In addition to the drilling, we also installed two water data logging devices that mark the start of our hydrogeological data collection program. This work is being developed in conjunction with the Company's hydrogeological consultants, and will ultimately provide data to include in any future, potential resource calculations."



Figure 1: Lake Wells Potash Project, track-mounted AC rig drilling on lake surface

Figure 2: Lake Wells Potash Project, track-mounted AC rig drilling on lake surface



Figure 3: Lake Wells Potash Project, sampling brines out of the cyclone

Figure 4: Lake Wells Potash Project, tyre-mounted AC rig drilling off the lake surface



The Lake Wells Potash Project



Figure 5: The Lake Wells Potash Project, a brine hosted Sulphate of Potash project

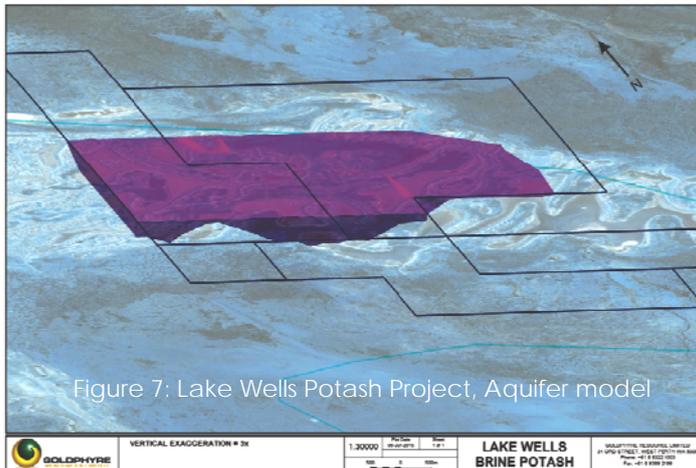
Goldphyre's exploration base at the Lake Wells Potash Project is located approximately 300 kilometres from Leonora (*Figure 6*). Accessed by sealed roads for some 140 kilometres, with a further 160 kilometres of high quality, road

train haulage capacity gravel roads, the Company has commenced a desktop study into the logistical solution to a potential development.



Figure 6: The Lake Wells Potash Project is the best placed part of the playa system to access vital freight infrastructure

Goldphyre has previously released results of sampling programs across the lake's surfaceⁱ, and has also modelled the potential brine aquifer at the Lake



Wells Potash Project.ⁱⁱ Contemporary research into brine groundwater systemsⁱⁱⁱ outlines a sound technical model for testing the brine potash concentration at depth potential of the lake. The purpose of this recently completed drill program was in part to test the potash concentration gradient from surface to depths greater than 100 metres, both on and off the

lake surface. Goldphyre will proceed to evaluate assay data from this drill program with a view to understanding better the overall potash potential of the brine aquifer.

About Goldphyre Resources Limited

ASX Code: GPH	Market capitalisation at 4.0cps :	\$4.0m
Issued shares: 99.7m	Cash on hand (30 June 2015):	\$1.2m*

* Includes placement funds announced 24 June 2015

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Potassium, Potash and SOP

Grade, volume and recharge rates

Brine SOP resources are typically contained within aquifers. Three essential technical parameters to address when considering these types of deposits are grade, volume and re-charge rates of the aquifer.

Sulphate of Potash – SOP

SOP (*Figure 7*) is prized as the premium source of potassium for fertiliser use, with its high potassium, accompanying sulphur and low chlorine content (typically 45% K, 18% S and < 1% Cl respectively).

Brine SOP deposits are relatively uncommon, with only 3 producing operations globally. Subject to location and access to infrastructure however, brine SOP projects typically occupy the lower end of the production cost curve. Currently there is not a brine SOP operation in Australia.

Potash brine exploration in Australia is growing strongly. The relatively slow development progress of high CAPEX potash projects, and global macro-economic circumstances more generally, provide strong incentives for the development of domestic potash supplies.

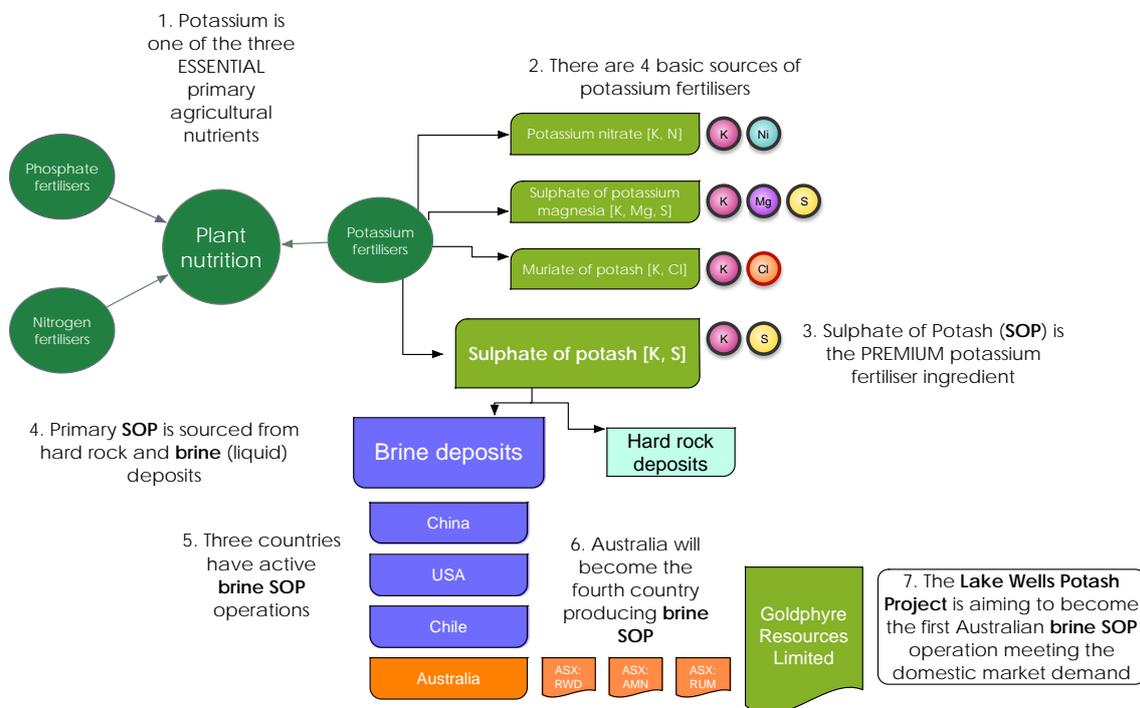


Figure 7: Potash essentials



Competent Person's Statement

The information in this report that relates to Exploration results, Mineral Resources or Ore Reserves is based on information compiled by Mr Brenton Siggs who is a member of the Australasian Institute of Geoscientists. Mr Siggs is contracted to the Company through Reefus Geology Services and is a Non-Executive Director (Exploration Manager) of Goldphyre Resources Limited. Mr Siggs has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity currently being undertaken to qualify 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 Siggs consents to the inclusion in this report of the matters based on his information in the form and context in which it appears. Mr Siggs is a shareholder and director of Goldphyre WA Pty Ltd, a company that holds ordinary shares and options in the capital of Goldphyre Resources Limited (Goldphyre Resources Limited, Annual Report 2014).

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.

ⁱ Refer to ASX Announcement 10 March 2015 'High grade brine exploration project'. That announcement contains the relevant statements, data and consents referred to in this announcement. Goldphyre Resources Limited, its directors, officers and agents, are not aware of any new information that materially affects the information contained in the 10 March 2015 announcement.

ⁱⁱ Refer to ASX Announcement 11 June 2015 'Lake Wells Potash Project, Extensive brine aquifer modelling'. That announcement contains the relevant statements, data and consents referred to in this announcement. Goldphyre Resources Limited, its directors, officers and agents, are not aware of any new information that materially affects the information contained in the 11 June 2015 announcement.

ⁱⁱⁱ Holzbecher, E. (2005), Groundwater flow pattern in the vicinity of a salt lake, *Hydrobiologica*, 532, 233 - 242

^{iv} Nield, D.D., Simmons, C.T., Kuznetsov, A.V., Ward, J.D. (2008), On the evolution of salt lakes: Episodic convection beneath an evaporating salt lake, *Water Resources Research*, 44, W02439