

**ASX Release**  
**20 January 2015**

## **QUARTERLY ACTIVITIES REPORT FOR PERIOD ENDING 31 DECEMBER 2014**

### Highlights

#### Mackay Project

- Reported a Mineral Resource Estimate and Exploraton Target.
- Signed a Land Access Agreement with the Kiwirrkurra people.
- Detailed planning for exploration activities is well advanced.

#### Great Sandy Desert Project

- Drilling by Reward Minerals Limited tested the southern area of the Waukarlycarly Embayment.
- Finalised a Hydrogeological Desktop Study.
- Ongoing review of further activities.

#### Corporate

- Change of company name to Agrimin Limited (formerly Global Resources Corporaton Limited).
- Finalised a share placement to raise \$825,000.
- Launched a new company website.

### Mackay Project – Western Australia (100%)

#### Overview

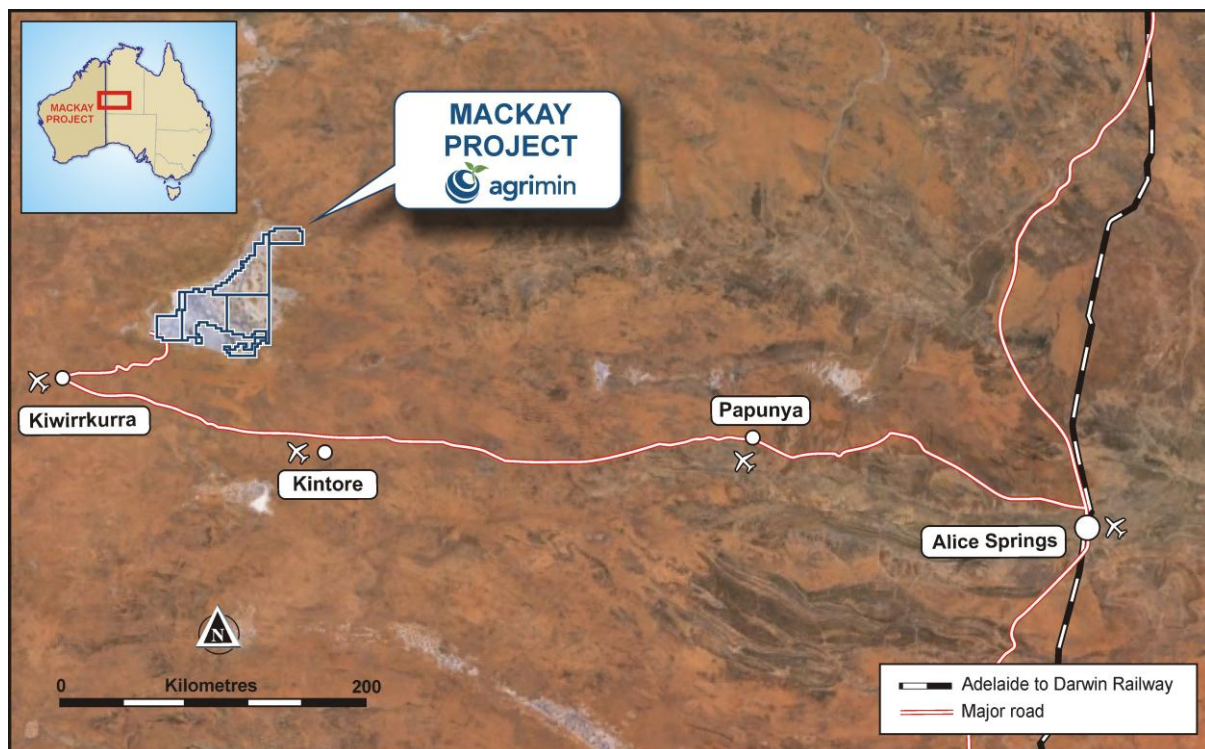
During the quarter, Agrimin Limited (**ASX: AMN**) ("**Agrimin**" or "**the Company**") achieved two key milestones for its 100% owned Mackay Sulphate of Potash ("**SOP**") Project. Firstly, the Company successfully verified and updated the Mineral Resource as well as producing a large Exploration Target. Secondly, a Land Access Agreement ("**LAA**") was negotiated and signed. The Company is very encouraged to have received such strong community support from the Kiwirrkurra people during its numerous visits to the Project.

The timely progression of these milestones has significantly de-risked the Project since Agrimin's acquisition in July last year. Moreover, the Mackay Project has been confirmed as one of the largest known undeveloped brine-hosted SOP deposits in the world.

Agrimin is excited to move ahead with an extensive exploration program in 2015 with the full support and co-operation of the local community. To that end, the Company has been very active in holding meetings with various consulting and service groups. Agrimin is committed to identifying highly skilled and experienced professionals to assist in the planning and execution of its exploration program and scoping level investigations.

Also during the quarter, Agrimin applied for a new contiguous Exploration Licence extending the Project area further to the north-east (**Figure 1**). The Project comprises six tenement applications and covers 2,457km<sup>2</sup> of Lake Mackay, which is Western Australia's largest salt lake with a surface area of close to 3,500km<sup>2</sup>.

**Figure 1. Project Map**

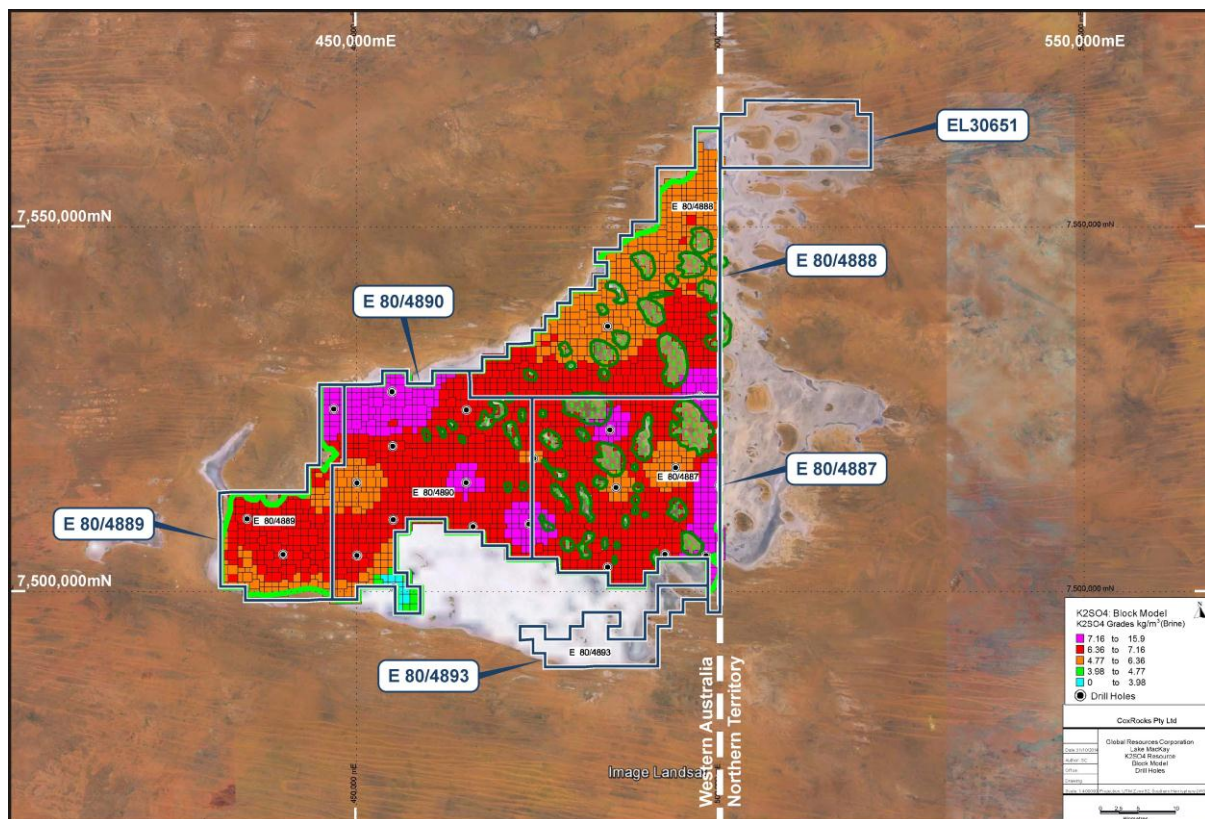


### **Mineral Resource**

A Mineral Resource Estimate was prepared by an independent consultancy, as at 7 November 2014 and reported in accordance with the JORC Code, 2012 Edition. The Inferred Mineral Resource is 3,299,260,425m<sup>3</sup> of brine volume at a SOP grade of 6.72kg/m<sup>3</sup> of brine for 22.16 million tonnes of contained SOP.

The Mineral Resource Estimate is calculated on the basis of brine volume from surface to an average depth of only 2.7m, based on 24 shallow vibracore holes drilled on the Project area in 2009 (**Figure 2**). The brine chemistry is similar in composition to other deposits in the East Pilbara region and is potentially suitable for the production of SOP.

**Figure 2. Plan View of Mineral Resource**



An Exploration Target was also prepared by an independent consultancy, as at 7 November 2014 and reported in accordance with the JORC Code, 2012 Edition. The target, which is inclusive of the current Inferred Mineral Resource, is estimated to range between 4,600,000,000m<sup>3</sup> to 12,400,000,000m<sup>3</sup> of brine volume at a SOP grade of 6.69kg/m<sup>3</sup> to 8.91kg/m<sup>3</sup> of brine for 30.00 to 110.00 million tonnes of contained SOP.

**Table 1. Mineral Resource Estimate – November 2014**

Resource Category	Brine Volume (m <sup>3</sup> )	SOP Grade (kg/m <sup>3</sup> )	Contained SOP (Mt)
Inferred	3,299,260,425	6.72	22.16

**Table 2. Global Exploration Target – November 2014**

Target Range	Brine Volume (m <sup>3</sup> )	SOP Grade (kg/m <sup>3</sup> )	Contained SOP (Mt)*
Lower	4,600,000,000	6.69	30.00
Upper	12,400,000,000	8.91	110.00
* Note: Lower and Upper Exploration Targets are inclusive of the Inferred Mineral Resource of 22.16Mt.			

Cautionary Note: The Exploration Target is based on a number of assumptions and limitations with the potential grade and quantity being conceptual in nature. There has been insufficient exploration to estimate a Mineral Resource Estimate in accordance with the JORC Code and it is uncertain if future exploration will result in the estimation of a Mineral Resource.



The Exploration Target has been defined using three variable ranges: depth, porosity and brine grade, which are viewed as the key parameters to affect the definition of any future Mineral Resources at the Project. The target has also been calculated taking into account the most southern tenement E80/4893 (**Figure 2**), which covers a 90km<sup>2</sup> area of the lake not previously considered in the Mineral Resource Estimate. The Company's newest tenement EL30651 is not included in the target. Exploration undertaken on the Project to date has not tested the depth and lateral extensions included within the Exploration Target. The Company plans to carry out a future drilling program to test these extensions.

### **Land Access Agreement**

On 12 December 2014, Agrimin signed a LAA with Tjamu Tjamu (Aboriginal Corporation) RNTBC, the Native Title representative body for the Kiwirrkurra people. The negotiations were overseen by Central Desert Native Title Services.

The LAA is an integral step to enable the grant of Agrimin's five tenements within the Kiwirrkurra determination area. The timely negotiation of this agreement highlights the close working relationship that Agrimin has established with the Kiwirrkurra people and their representative body.

The Mackay Project has an exciting potential to lead to greatly improved community and employment opportunities for Aboriginal people who live in the region. Agrimin is also committed to working closely with the Aboriginal people to protect and preserve their country and culture.

**Figure 3. Meeting with Members of the Local Community**



## Planned Activities

Tjambu Tjambu (Aboriginal Corporation) RNTBC has requested that the Department of Mines and Petroleum expedite to the extent possible the grant of Agrimin's tenement applications. Once the tenements are granted, Agrimin will go through the standard approvals process to allow for on-ground exploration activities. The 2015 work program will include drilling to improve the characterisation of the brine resource and the collection of information for detailed development studies. Drilling will also test the extensions of the deposit which are the basis for the Company's Exploration Target.

Hydrologic characterisation will be necessary to establish the extractable component of brine resources that can be recovered at sustainable rates over time to make a SOP operation commercially feasible. Additional hydrologic data collection will be required and it is likely that testing wells will be needed to target specific characterisation efforts. Key items that will need to be addressed in order to define a sustainable brine reserve include flow rates, recoverability, specific yield and fluid flow simulation models.

Numerous site visits have been undertaken to the Mackay Project and have confirmed favourable logistical conditions and the existence of well-maintain roads between the Project and Alice Springs (**Figure 1**). Agrimin is progressing various desktop studies to assess key project parameters.

**Figure 4. Planned Activities and Timetable**

	2014						2015											
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Site Visits			✓															
Mineral Resource					✓													
Desktop Studies & Planning																		
Land Access Agreement						✓												
Approvals																		
Drilling Program																		
Pumping & Evaporation Trials																		
Metallurgical Testwork																		
Scoping Study																		

## Great Sandy Desert Project – Western Australia (100%)

The Great Sandy Desert Project comprises five tenements and covers an area of 2,570km<sup>2</sup> in the East Pilbara region. The Project is immediately north of Reward Minerals Limited's (**ASX: RWD**) ("Reward") Karly Project. Both projects share a similar setting and cover the same geological feature, being the Waukarlycarly Embayment. Agrimin's tenements are interpreted to cover the down-dip extension of sediments hosted by Reward's tenements.

An airborne electromagnetic ("AEM") survey was conducted by Geoscience Australia in 2008 and indicates that a conductive unit extends throughout the Waukarlycarly Embayment. It has been interpreted that this conductivity could correlate to high-density brines. Sampling of near surface brines by Reward at Lake Waukarlycarly returned high levels of potassium, thus supporting this proposed correlation. During the quarter, Golder Associates finalised a Hydrogeological Desktop Study which independently supported the Project's prospectivity.

In December 2014, Reward reported the results of a first pass drilling program at its Karly Project, which included 20 reverse circulation holes and one cased borehole. It is understood that this program tested the modern lakebed sediments and underlying Permian sediments which represent the targeted geological units contained within the southern portion of the Waukarlycarly Embayment.

A number of holes returned high grades of SOP and confirmed the presence of a large palaeosystem. However, the best grades were encountered in close proximity to Lake Waukarlycarly and the higher flow rates were generally restricted to relatively narrow palaeochannels throughout the broader stratigraphy.

It is evident that the high conductivity response seen in the AEM survey data does not unequivocally correlate with high-density brines across the broader Embayment area. This is considered an important finding as significant weighting was put on the AEM dataset when assessing the prospectivity of the area in the first instance. As a result, Agrimin will prioritise activities at the Mackay Project during 2015.

## Corporate Activities

### Share Issues

During the quarter, Agrimin issued 5,500,000 ordinary shares to Australian institutional and sophisticated investors at an issue price of \$0.15 under a share placement to raise \$825,000. The Company also issued 25,000 ordinary shares on the exercise of listed options and 1,000,000 unlisted options expired on 19 October 2014.

### Business Development

Agrimin has a strategic focus on SOP due to market fundamentals which remain very supportive for new production. Supply of SOP is constrained by the commodity's geological scarcity and the Company expects that SOP deposits throughout Western Australia will become an important source of supply to meet growing world demand.

The Company continues to actively investigate business development opportunities with a focus on low entry cost projects. As and when acquisitions are completed the Company will make announcements to the market at appropriate times.

### Other Tenements

Agrimin continues the process to relinquish EPM 15948, being the Kennedy Highway Project. Following this relinquishment, the Company will not have any remaining tenements in Queensland, other than retaining a 6% interest in EPM 18616 and a 1% net smelter royalty on any and all minerals produced from that tenement.

## Tenement Interests

**Table 3. Schedule of Tenement Interests as at 31 December 2014**

Tenement Reference	Project	Holder	Blocks	Status	Interest
E45/4325	Great Sandy Desert	Agrimin Limited	200	Granted	100%
E45/4439	Great Sandy Desert	Agrimin Limited	200	Application	100%
E45/4364	Great Sandy Desert	Agrimin Limited	115	Granted	100%
E45/4365	Great Sandy Desert	Agrimin Limited	85	Application	100%
E45/4440	Great Sandy Desert	Agrimin Limited	200	Application	100%
E80/4887	Mackay	Agrimin Limited	195	Application	100%
E80/4888	Mackay	Agrimin Limited	200	Application	100%
E80/4889	Mackay	Agrimin Limited	86	Application	100%
E80/4890	Mackay	Agrimin Limited	200	Application	100%
E80/4893	Mackay	Agrimin Limited	36	Application	100%
EL30651	Mackay	Agrimin Limited	57	Application	100%
EPM 18616	Croyden <sup>1</sup>	Agrimin Limited	30	Granted	6%
EPM 15948	Kennedy Highway	Agrimin Limited	130	Granted	100%

Notes:

<sup>1</sup> Agrimin also retains a 1% net smelter royalty on any and all minerals produced from tenement.

**ENDS**

For more information contact:

**Mark Savich**

Executive Director

T: +61 402 746 757

E: msavich@agrimin.com.au

**Alec Pismiris**

Director & Company Secretary

T: +61 8 9421 2107

E: apismiris@agrimin.com.au

Or visit our website at [www.agrimin.com.au](http://www.agrimin.com.au)

**Competent Person's Statements**

*The information in this statement that relates to Exploration Results, the Mineral Resource Estimate and the Exploration Target for the Mackay Project is based on information compiled or reviewed by Mr Simon Coxhell who is a full-time employee of CocksRocks Pty Ltd and an independent geological consultant to Agrimin. Mr Coxhell takes overall responsibility for the Statement. Mr Coxhell is a Member of the Australian Institute of Mining and Metallurgy and has sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration, and to the activity he is undertaking, to qualify as a Competent Person in terms of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (JORC Code 2012 Edition). Mr Coxhell consents to the inclusion of such information in this statement in the form and context in which it appears.*