



## QUARTERLY ACTIVITIES REPORT PERIOD ENDED 31 MARCH 2016

Rum Jungle Resources (RUM) strategic intent is to create shareholder value through the discovery, development and operation of fertiliser and industrial mineral projects, located in close proximity to existing transport infrastructure, focused on the Northern Territory of Australia.

### QUARTERLY REPORT ASX Announcement

ASX CODE: RUM

ABN: 33 122 131 622

REGISTERED OFFICE  
20/90 Frances Bay Drive  
Stuart Park NT 0820

POSTAL ADDRESS  
GPO Box 775  
Darwin NT 0801

T +61 8 8942 0385  
F +61 8 8942 0318  
W [www.rumjungleresources.com.au](http://www.rumjungleresources.com.au)  
E [info@rumjungleresources.com.au](mailto:info@rumjungleresources.com.au)

### DIRECTORS

David Muller  
Jeff Landels  
Chris Tziolis, MD

### MAJOR PROJECTS

Ammaroo Rock Phosphate  
Karinga Lakes Sulphate of Potash

### CORPORATE SUMMARY

- Discussions with a number of entities were progressed with a view of securing new funding for the Company. These funds will enable the progression of the Ammaroo Phosphate project to a bankable feasibility study with completed environmental and other government approvals and/or the progression of the sulphate of potash portfolio with particular focus on the Lake Amadeus/Karinga region associated with the Central Australian Ground Water Discharge zone, Lake Frome in South Australia and Lake Macdonald, on the border of the Northern Territory and Western Australia
- The Company's land position has been reviewed and a number of tenements have been relinquished or voluntarily reduced in size to focus on core projects and resources and to lower the cost burden of government rents and land council payments in the future

- Cash Balance \$1.5 million (including secured Term Deposits of \$350k)

### HEALTH, SAFETY, ENVIRONMENT AND COMMUNITY

- 240 field work hours, site visits and on country meetings with Traditional Owners were completed across four projects without incident

### PHOSPHATE

- In preparation for the potential commencement of a bankable feasibility study on the Ammaroo project in the near term, revised Mine Management Plans have been submitted to the Department of Mines and Energy to enable further classification of the resource to measured and indicated to support long term mine planning and to enable a number of test pits to be constructed to supply material for demonstration scale processing test work and development and marketing activities.

### SULPHATE OF POTASH (SOP)

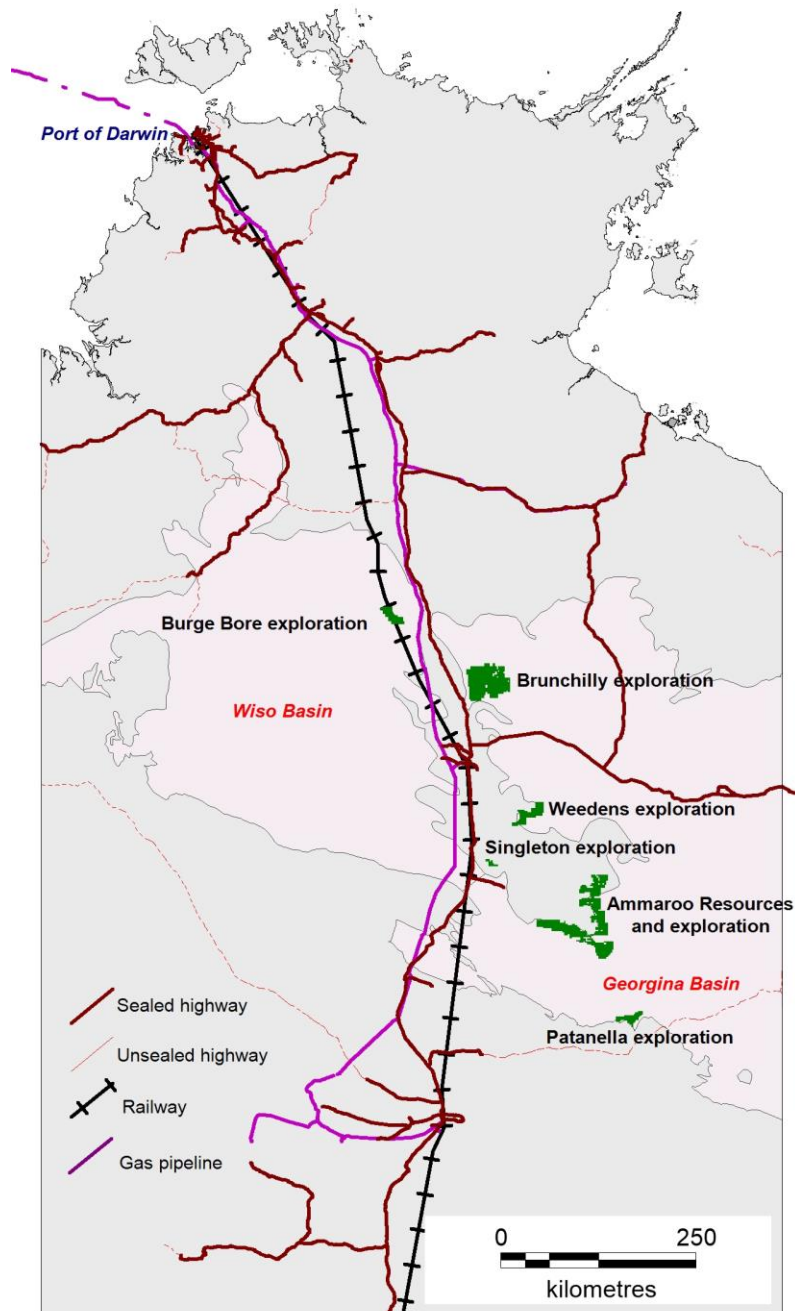
- Stage One of the Karinga Lakes Preliminary Feasibility Study (PFS) as announced to the ASX on 20 November 2015, has been completed by GHD and Norwest Corporation. This first phase was a consolidation phase where existing information, geological data and scoping study material has been reviewed, knowledge and information gaps analysed and a focused scope of work to complete a PFS developed. A decision to progress the Karinga PFS will be made in due course.
- A second meeting with the Traditional Owners of the Lake Amadeus project was conducted in March 2016. Lake Amadeus is located on Aboriginal Land and therefore the Aboriginal Land Rights Act applies (the Native Title Act applies to the majority of RUM's other projects). Discussions were positive and another and hopefully final meeting is scheduled for early May 2016 to facilitate agreement of the Traditional Owners to evaluate the lake's brines. Lake Amadeus is the largest salt lake in the Central Australian Ground Water discharge zone. It is 130 km long and covers an area of more than 1,000 km<sup>2</sup>. Lake Amadeus has the potential, subject to Traditional Owner support and evaluation of the brine resources, to be a very significant sulphate of potash resource that is proximate to existing sealed roads, the Central Australian Railway and the gas resources of the Amadeus basin.

- Negotiation of an exploration agreement with the Adnyamathanha Traditional Lands Association (ATLA), traditional owners of the Lake Frome area, continues. Lake Frome is a large salt lake located in South Australia, proximate to gas, transport infrastructure and the horticultural markets of western NSW, Victoria and South Australia. Areas of Lake Frome are potentially prospective for potassium and other brine elements such as borates and lithium.
- The Lake Hopkins Project was relinquished due to its isolation and distance from transport infrastructure and gas resources that are necessary elements for the development of an SOP operation
- Lake Torrens in South Australia has been relinquished due to difficulties in advancing its proposal to access the lake with Traditional Owners but the company would continue to be liable for high holding costs for an unknown indefinite period. The viability of the project was reviewed and the four titles were surrendered.

#### **SILICA (HIGH PURITY QUARTZ)**

- Although the initial metallurgical test-work on the Dingo Hole silica samples that was conducted in Germany was inconclusive regarding its high purity quartz potential, a North American company that operates in this industry has reviewed the original sample specifications and has indicated a desire to conduct its own metallurgical tests on a new sample of Dingo Hole silica rock.
- A further surface sample of rock chips from Dingo Hole have been collected for further test work by the North American company utilising its proprietary quartz refining techniques. These samples are currently being prepared prior to despatch to the USA

## PHOSPHATE PROJECTS



Phosphate projects in the Georgina and Wiso Basins (shown in pink) in relation to transport infrastructure and gas pipelines.

### AMMAROO PHOSPHATE PROJECT, NT

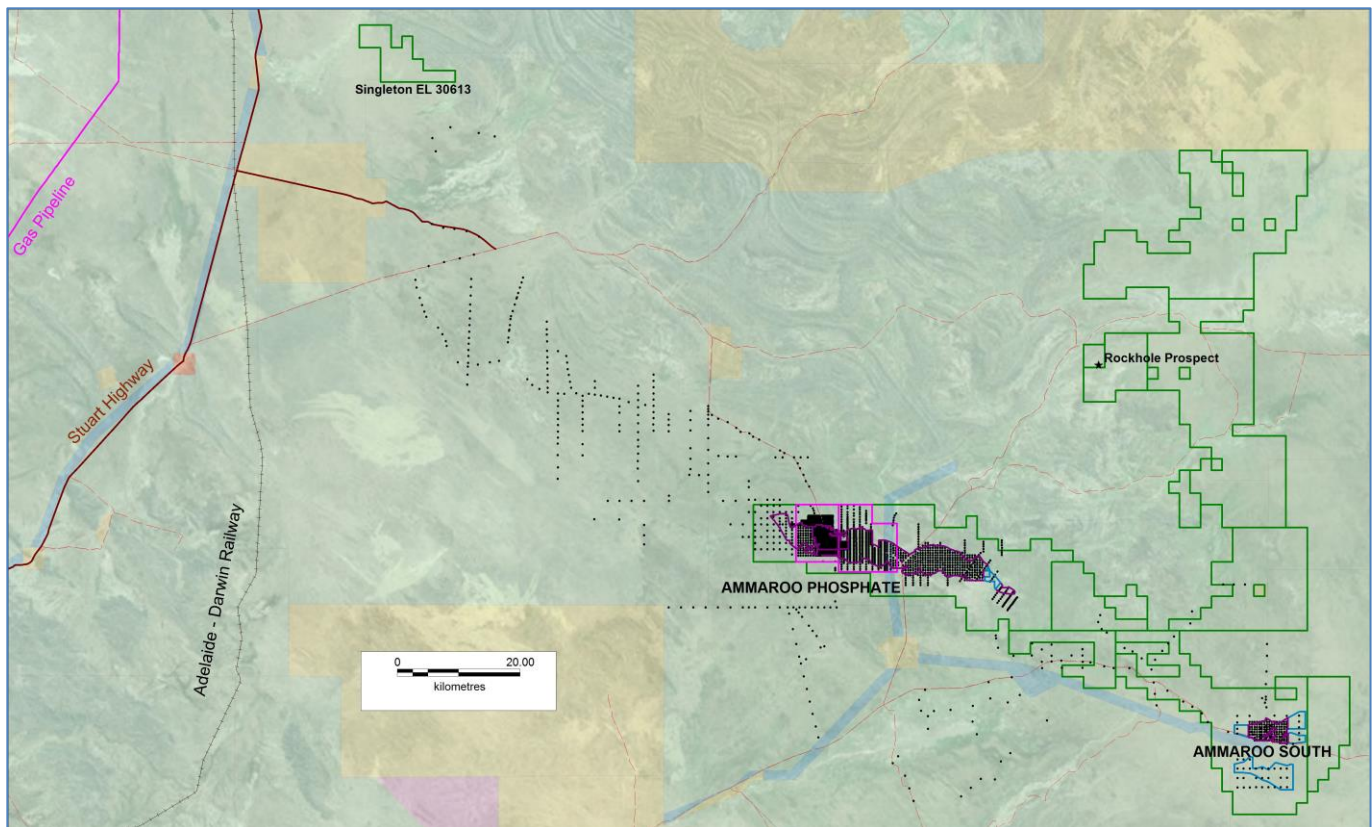
The Ammaroo Phosphate Project is located 200 km southeast of Tennant Creek. The project area contains the billion tonne 40 km long Ammaroo Phosphate JORC Resource, the satellite Ammaroo South JORC Resource, the untested Rockhole phosphate prospect with high-grade phosphate at surface, and significant greenfields potential in the northeast. The updated Ammaroo prefeasibility study was completed and the findings announced to the ASX 9 September 2015.

**Project Tenements**

EL 24726 and EL 30520 are awaiting renewal at DME. During the Quarter, 23 blocks were partially relinquished from EL 25185 over Ammaroo South.

Tenement	Area km <sup>2</sup>	Blocks	Grant	Expiry	Holder
EL 24726	501.54	157	1/04/2008	31/03/2016	Territory Phosphate
EL 25183	76.58	24	19/04/2007	18/04/2017	Territory Phosphate
EL 25184	137.40	43	19/04/2007	18/04/2017	Territory Phosphate
EL 25185	408.25	128	19/04/2007	18/04/2017	Territory Phosphate
EL 27987	28.77	9	27/10/2010	26/10/2016	Territory Phosphate
EL 28402	99.02	31	20/06/2011	19/06/2017	Territory Phosphate
EL 28403	245.99	77	20/06/2011	19/06/2017	Territory Phosphate
EL 28648	12.81	4	25/10/2011	24/10/2017	Territory Phosphate
EL 29373	483.13	151	14/09/2012	13/09/2018	Territory Phosphate
EL 29374	503.24	157	14/09/2012	13/09/2018	Territory Phosphate
EL 30520	86.42	27	01/04/2008	31/03/2016	Territory Phosphate
EL 30663	105.25	33	31/07/2015	30/07/2021	Territory Phosphate
MLA 29463	6,375 hectares	na	application 30/03/2012	30 years from grant	Territory Phosphate
MLA 29854	9,074 hectares	na	application 14/02/2013	25 years from grant	Territory Phosphate

**Ammaroo phosphate titles.**



Tenement status as of 31 March 2016, showing granted ELs in green and ML applications in pink and all drilling including in areas now relinquished. The various categories of JORC resources are outlined in purple. Independently estimated "exploration potential" outlined in blue.



## SINGLETON PHOSPHATE PROJECT, NT

EL 30613, close to the railway as shown in the figure above, covers potentially prospective rocks which were intersected in waterbores. Rum Jungle Resources undertook a detailed study of all available information on 14 waterbores and gamma logs in and near Singleton EL 30613. This led to the relinquishment of the 35 least prospective blocks during the Quarter.

Tenement	Area km <sup>2</sup>	Blocks	Grant	Expiry	Holder
EL 30613	67.42	21	15/06/2015	14/06/2021	Territory Phosphate

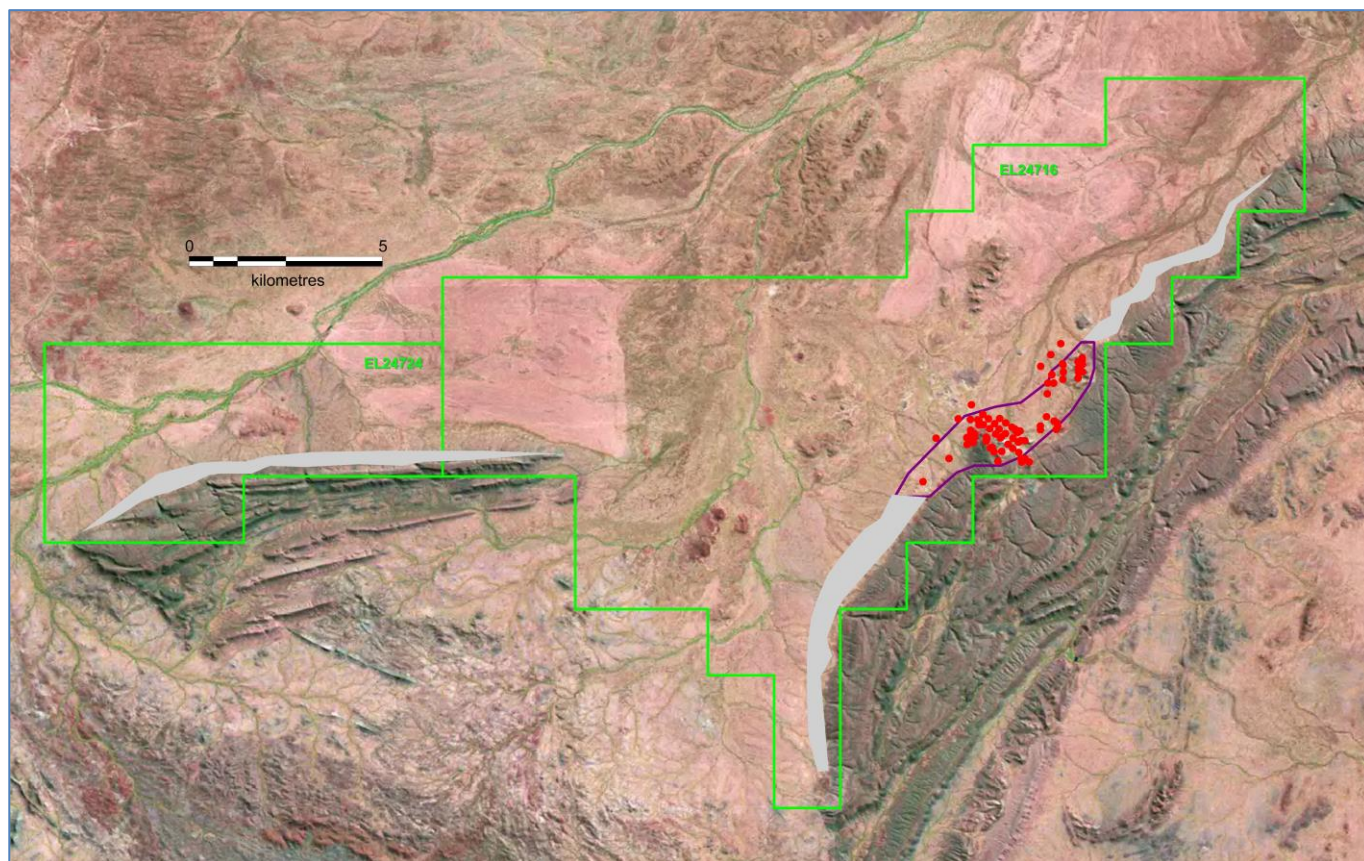
Singleton EL.

## PATANELLA PHOSPHATE PROJECT, NT

This project, formerly called Lucy Creek, on the southern margin of the Georgina Basin contains the Patanella Prospect of approximately 50 Mt and 100 Mt at 10% to 17% P<sub>2</sub>O<sub>5</sub> at a cut-off grade of 5% P<sub>2</sub>O<sub>5</sub> or approximately 20 Mt to 50 Mt at 15% to 20% P<sub>2</sub>O<sub>5</sub> at a cut-off grade of 10% P<sub>2</sub>O<sub>5</sub>. Tenement renewals from last year are still pending at DME. There was no on-ground work this Quarter.

Tenement	Area km <sup>2</sup>	Blocks	Grant	Expiry	Holder
EL 24716	187.11	59	01/12/2005	30/11/2015	Territory Phosphate
EL 24724	47.57	15	02/12/2005	01/12/2015	Territory Phosphate

Patanella ELs. Renewals still pending at DME.



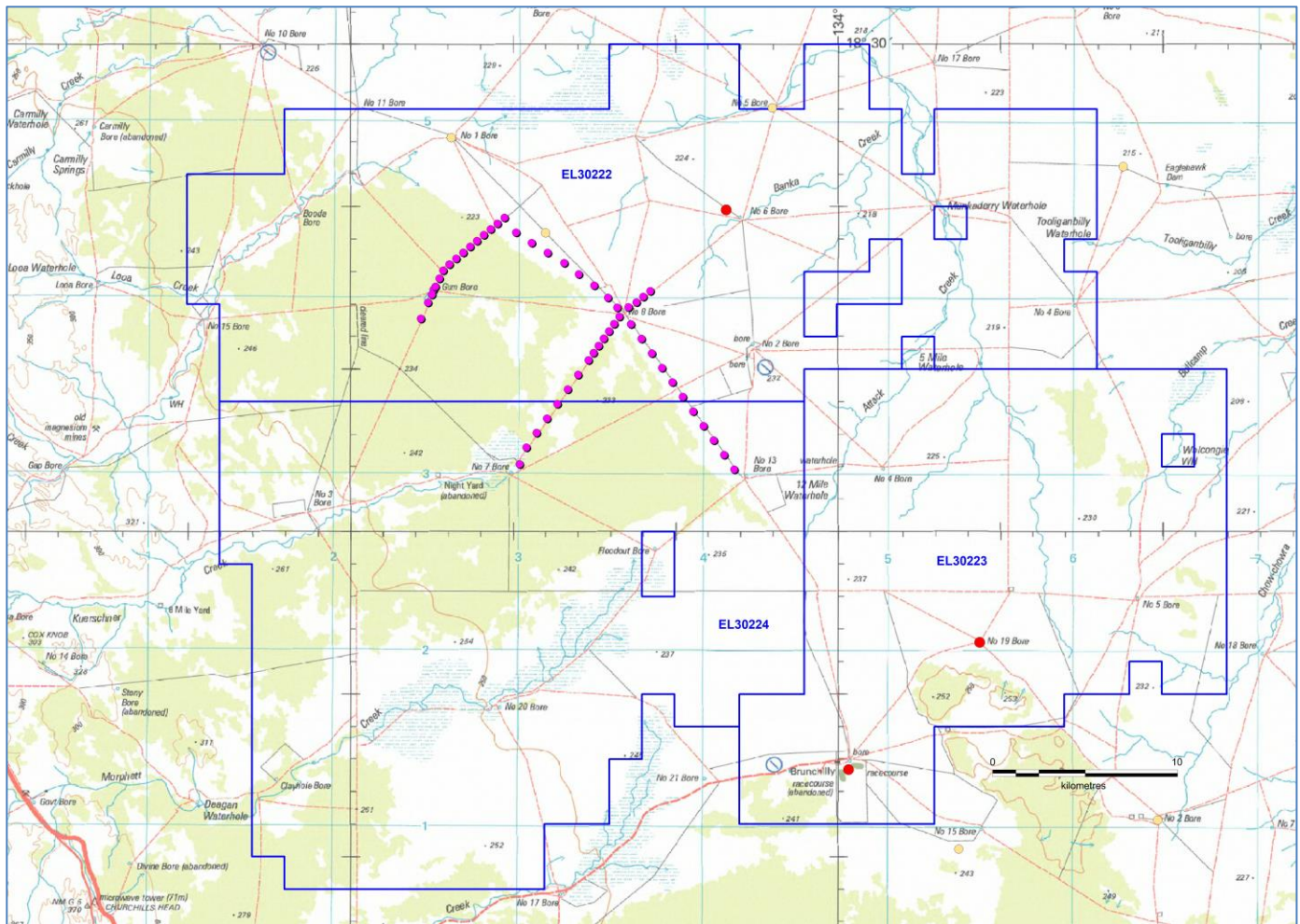
Patanella phosphate titles as of 31 March 2016. Patanella Prospect Exploration Target outlined in purple, existing drillholes as red dots and the prospective interval in grey.

## BRUNCHILLY PHOSPHATE PROJECT, NT

The Brunchilly Project consists of three contiguous phosphate ELs near Tennant Creek. Depth to basement geophysical modelling, waterbores, soil sampling, and previous phosphate drilling all indicate prospectivity. There has only been wide-spaced drilling by Vale over part of the area. Group reporting has been approved and a proposed drilling program of ca 50 holes and budget has been prepared. There was no on-ground work this Quarter.

Tenement	Area km <sup>2</sup>	Blocks	Grant Date	Expiry	Holder
EL 30222	768.25	236	15/10/2014	14/10/2020	Territory Phosphate
EL 30223	507.24	156	15/10/2014	14/10/2020	Territory Phosphate
EL 30224	718.44	221	15/10/2014	14/10/2020	Territory Phosphate

Brunchilly phosphate titles after recent reductions.



Brunchilly Project area showing waterbores rated as highly prospective for phosphate by CSIRO/Vale (red) and moderately prospective (yellow). Minemakers' soil sampling, which also gave some encouraging results, is shown in pink.

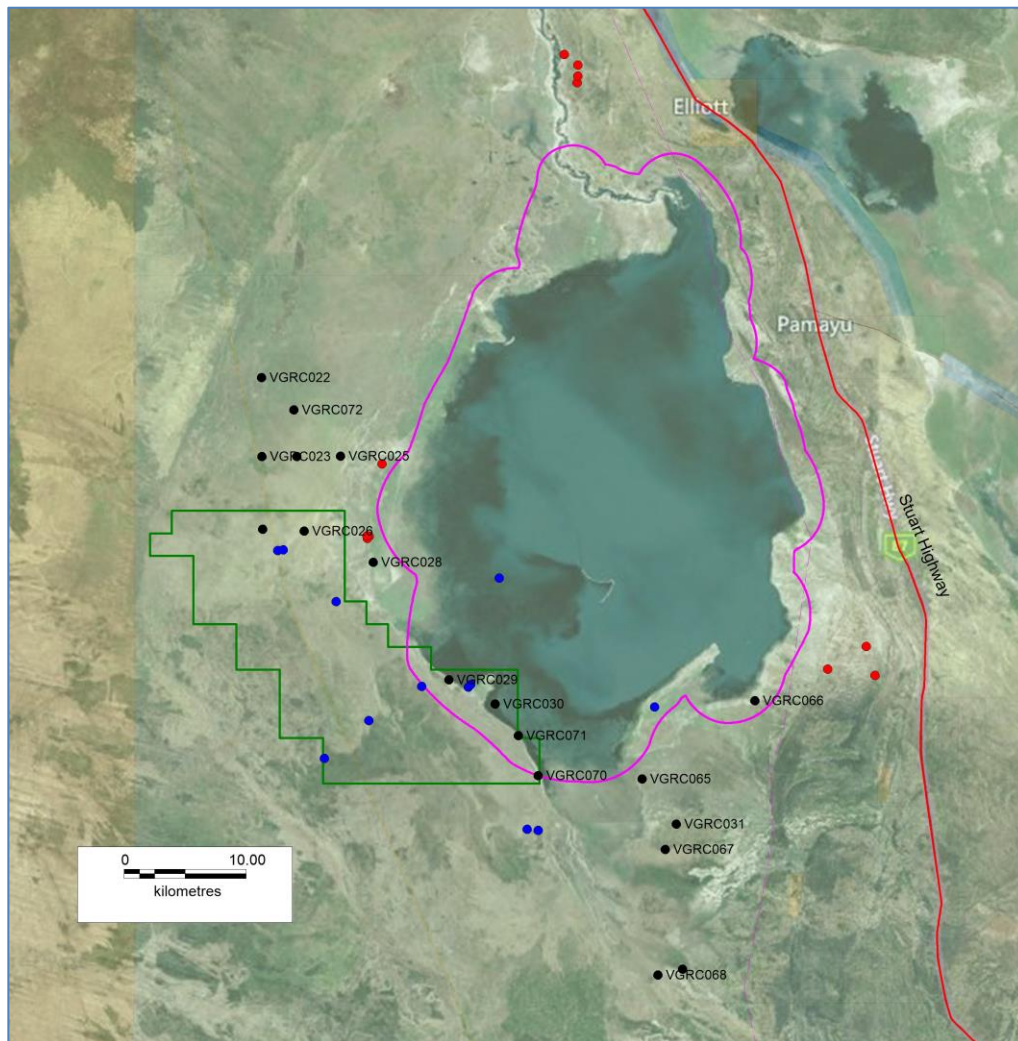


## BURGE BORE PHOSPHATE PROJECT, NT

This is a single EL that straddles the Central Australian Railway. Waterbore intercepts of phosphate indicate prospectivity. Geophysical data and the MIRA depth to basement modelling indicate a favourable setting straddling an eroded basement ridge. The grant of Rum Jungle Resources' application was delayed for over 12 months while NT Department of Mines and Energy sought advice from the Department of Land Resources Management regarding the Lake Woods Conservation Covenant which makes Lake Woods a Site of Conservation Significance. After an in-house study, 55 blocks of the least prospective ground and those environmentally-sensitive blocks which are inundated when the lake floods were partially relinquished. This was not actioned by DME until April.

Tenement	Area km <sup>2</sup>	Blocks	Grant Date	Expiry	Holder
EL 30225	352.87	108	15/05/2015	14/05/2021	Territory Phosphate

Burge Bore phosphate title.



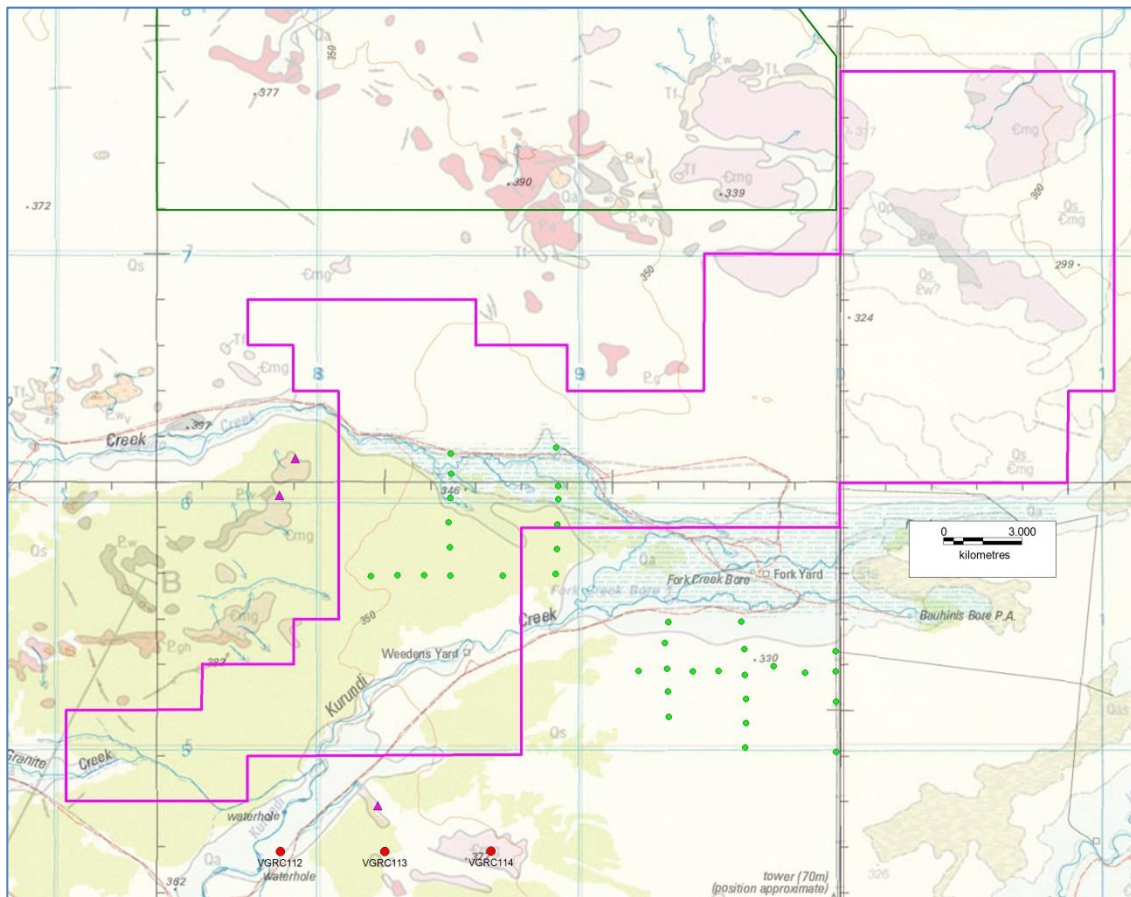
The Burge Bore Project area with pastoral leases shown in pale green and Aboriginal Land in pale yellow. The pink polygon is the Lake Woods Site of Conservation Significance. The satellite image shows the maximum extent of inundation of Lake Woods. The waterbores (blue dots), Vale exploration holes (black dots) and other drillholes (red dots) used in the in-house study are shown. The retained area of EL 30225, as of 06/04/2016, is outlined in green.

## WEEDENS PHOSPHATE, NT

EL 30672 is held based on previous exploration in the mid 1990s for under-cover Tennant Creek IOCG which showed that the Cambrian section is at least 60 m thick. The ground has only been held once previously for phosphate exploration, by Vale from 2010 to 2012. They drilled only three holes to 59 m max, 5 km apart, all south of this application. Vale was side-tracked by iron in the south of their former tenement package and suddenly withdrew NT-wide without testing the area now applied for. There was no on-ground work by Territory Phosphate this Quarter.

Tenement	Area km <sup>2</sup>	Blocks	Grant Date	Expiry	Holder
EL 30672	447.96	139	15/05/2015	14/05/2021	Territory Phosphate

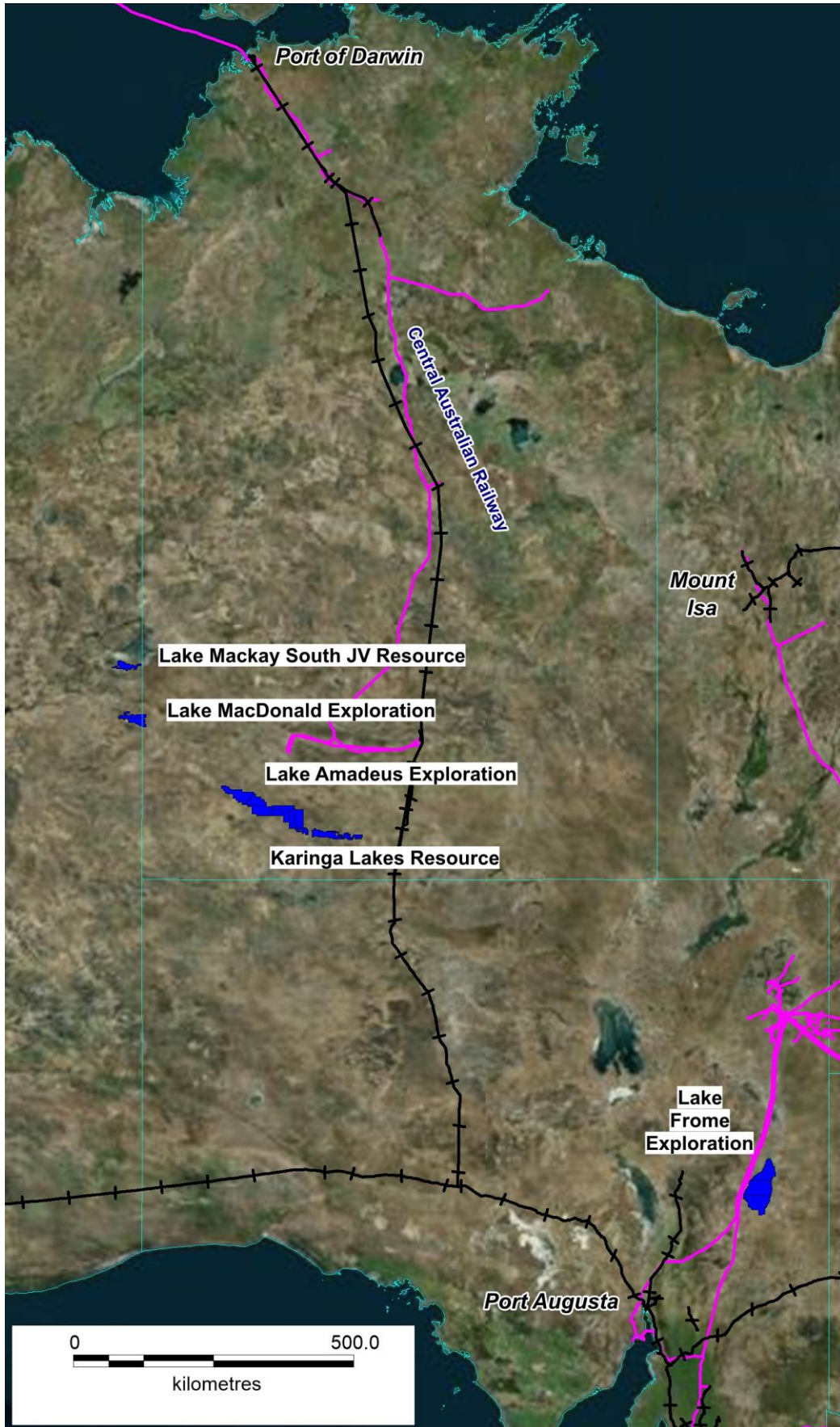
Weedens phosphate title.



Weedens Phosphate EL 30672. Green dots are historical percussion holes targeted on basement IOCG. They intersected prospective Cambrian stratigraphy but were not tested for phosphate. Red dots are Vale holes, 5 km apart. Pink triangles are Vale rock chip samples. The pink outcrops labelled Cmg are the few outcrops of target formation, which is otherwise under shallow surficial cover, superimposed on the topographic map. Pg is unprospective granite basement.



## SULPHATE OF POTASH PROJECTS



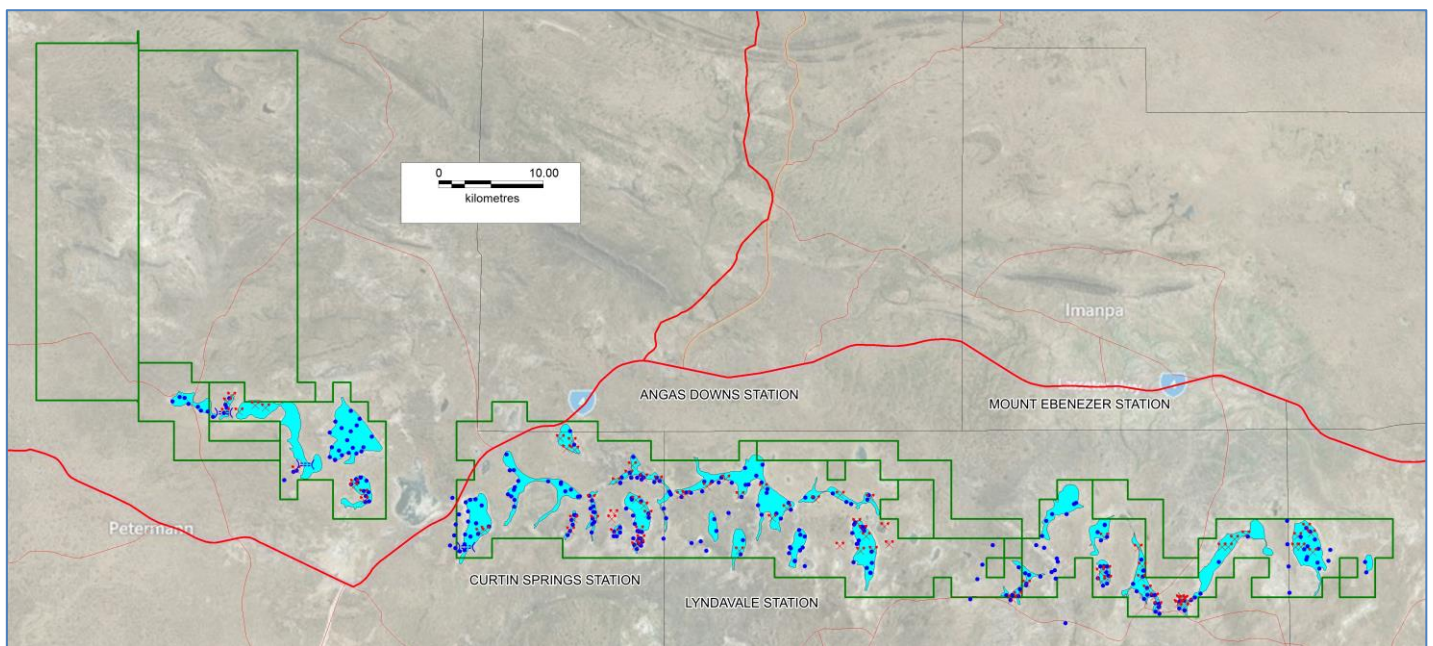
Rum Jungle Resources' potash projects and Lake Mackay JV. Not all titles are granted yet.

## KARINGA LAKES POTASH PROJECT, NT

The Karinga Lakes Potash project is located along the Lasseter Highway between Alice Springs and Uluru. The project contains a chain of dozens of dry salt lakes. The lake sediments and the underlying rocks contain potassium-rich brines, some of which are being fed from the Central Australian Groundwater Discharge Zone. The brines can be processed through solar evaporation and flotation to produce potash fertiliser minerals such as sulphate of potash (SOP).

Tenement	Area km <sup>2</sup>	Blocks	Grant	Expiry	Holder
EL 24987	220.37	71	10/10/2006	09/10/2016	RUM
EL 25080	633.58	204	09/10/2006	08/10/2016	RUM
EL 28272	59.03	19	14/04/2011	13/04/2017	RUM
EL 28205	59.04	19	09/03/2011	08/03/2017	RUM
EL 28872	34.15	11	06/03/2012	05/03/2018	RUM
EL 30381	479.18	154	16/03/2015	15/03/2021	RUM
EL 30382	330.14	114	16/03/2015	15/03/2021	RUM

Karinga Lakes potash titles.



Karinga titles as of 31 March 2016 showing all sampling to date, including in areas now relinquished. Drilling (blue dots), shovel sampling (red crosses) and trenches (blue symbols, not to scale). JORC resource shown in pale blue.

### Resource

The most recent JORC 2012 Resource was released to the market on 20 February 2014 and has not changed since.

Resource Category	Potassium (tonnes)	K <sub>2</sub> SO <sub>4</sub> (tonnes)	Schoenite (tonnes)
Measured	2,600,000	5,800,000	13,000,000
Indicated	210,000	460,000	1,100,000
Inferred	950,000	2,100,000	4,900,000
<b>Total</b>	<b>3,800,000</b>	<b>8,400,000</b>	<b>19,000,000</b>

Karinga Lakes Brine Resource (entries have been rounded).

The SOP (K<sub>2</sub>SO<sub>4</sub>) tonnage represents the in-situ brine with no recovery factor applied. It will not be possible to extract all of the contained brine by pumping of trenches; the amount which can be extracted depends on many factors including the permeability of the sediments, the drainable porosity, and the recharge dynamics of the aquifers.

### Deep Drilling Results

During late 2015, 11 deeper RC holes were drilled on the edges of selected salt lakes in the Karinga SOP project area. The results were released to the market on 19 January 2016. Previous drilling had targeted only the top 12-30 m. Five of the deeper holes successfully flowed brines from depths greater than 30 m with four of the five holes flowing brines with potassium levels typical of the existing SOP resource. A number of SOP grades exceeded 12,000 mg/l of brine, which equates to more than 12 kg/m<sup>3</sup> SOP. The JORC Resource remains unchanged from above.



### On-Going Monitoring and Data Collection

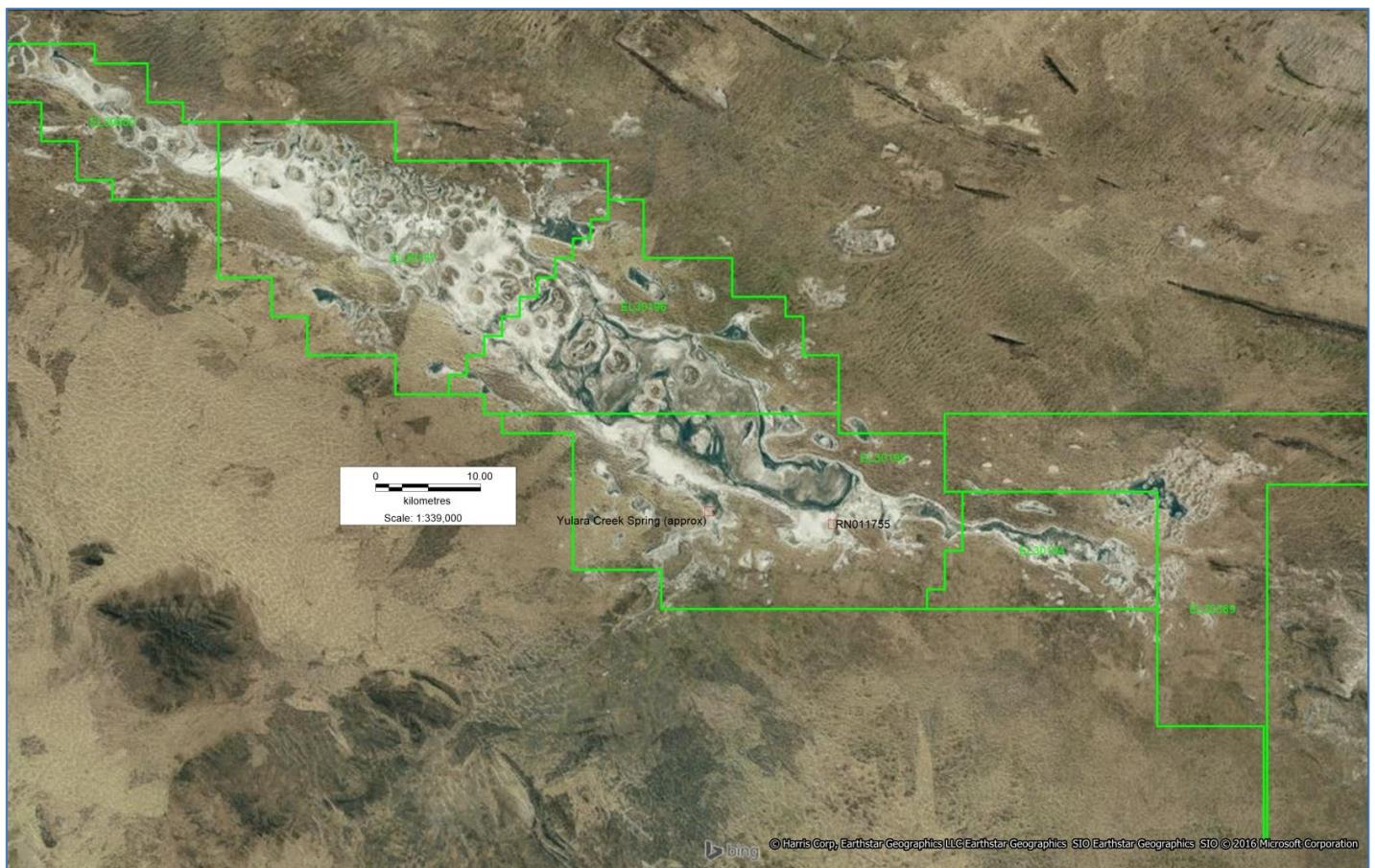
Rain gauge data was downloaded and down-hole data loggers were replaced during the Quarter. Once analysed, data will show recharge levels in selected lakes after each rainfall event. Groundwater Science will provide a report next Quarter.

## LAKE AMADEUS POTASH PROJECT, NT

Six contiguous ELs applications cover all of Lake Amadeus in the NT. The applications include 1,010 km<sup>2</sup> of lake area along a 130 km length. The eastern boundary is contiguous with the Karinga Lakes Project and corresponds to the ALRA/pastoral boundary. The Lake Amadeus sediments are known to be much thicker than at Karinga. The best historical potassium assay is a BMR sample from a spring just off the southern edge of Lake Amadeus itself. This sample had 6,100 (mg/l = ppm) potassium. Newmont gave a brine assay of 3,950 ppm potassium at an unspecified location “from a soakage near the surface of the lake”. Newmont also drilled twinned holes into the Bitter Springs Formation “basement” under Lake Amadeus (plotted in the following Figure). The Bitter Springs aquifer at 80-110 m depth did not contain significant potassium.

Tenement	Area km <sup>2</sup>	Blocks	Application Date	Holder
ELA 30194	218.00	70	05/12/2013-	RUM
ELA 30195	622.88	200	05/12/2013	RUM
ELA 30196	446.18	143	05/12/2013	RUM
ELA 30197	633.44	203	05/12/2013	RUM
ELA 30389	527.1	186	09/05/2014	RUM
ELA 30650	190.5	61	04/11/2014	RUM

Lake Amadeus potash titles.



Yulara Creek Spring (BMR Sample 90201) and the collars of Newmont’s twinned drillholes, one recorded as a waterbore RN011755, plotted on the Lake Amadeus titles.

All the Lake Amadeus applications are on ALRA land. A work program has been sent to the Central Land Council. An on-country meeting with Traditional Owners, facilitated by the CLC, was held on March 22. A follow up meeting has been scheduled for early May 2016.





**On-country meeting on the edge of Lake Amadeus.**

## LAKE MACKAY POTASH, WA

Tenement	Blocks in JV	Grant	Expiry	Holder
E80/3484	35	16/05/2008	15/05/2017	Nova/Toro Energy Ltd
E80/3485	17	16/05/2008	15/05/2017	Nova/Toro Energy Ltd
E80/3486	69	16/05/2008	15/05/2017	Nova/Toro Energy Ltd
E80/3519	12	16/05/2008	15/05/2017	Nova/Toro Energy Ltd

### Resource

**2014 Aircore Drilling Potassium (mg/L)**

- 3000-4000
- 4000-5000
- >5000

**2011 Vibracore Drilling Potassium (mg/L)**

- 3000-4000
- 4000-5000
- >5000

**Inferred Concentration (mg/L)**

- 3000-3500
- 3500-4000
- 4000-4500
- 4500-5000

Map showing Potassium Concentration (mg/L) in the Kalamazoo River Basin, Michigan. The map displays inferred potassium concentrations (mg/L) from 2014 Aircore Drilling, 2011 Vibracore Drilling, and inferred concentrations. The map is overlaid with a grid showing UTM coordinates (450000 to 500000 Easting, 7490000 to 7520000 Northing). A legend in the top left corner defines the color coding for potassium concentrations. The map shows a large area of high potassium concentration (red/orange) in the central and eastern parts of the basin, with lower concentrations (yellow) in the western and southern parts. Numerous numerical values are plotted on the map, representing specific potassium concentrations at various locations.

Page 13

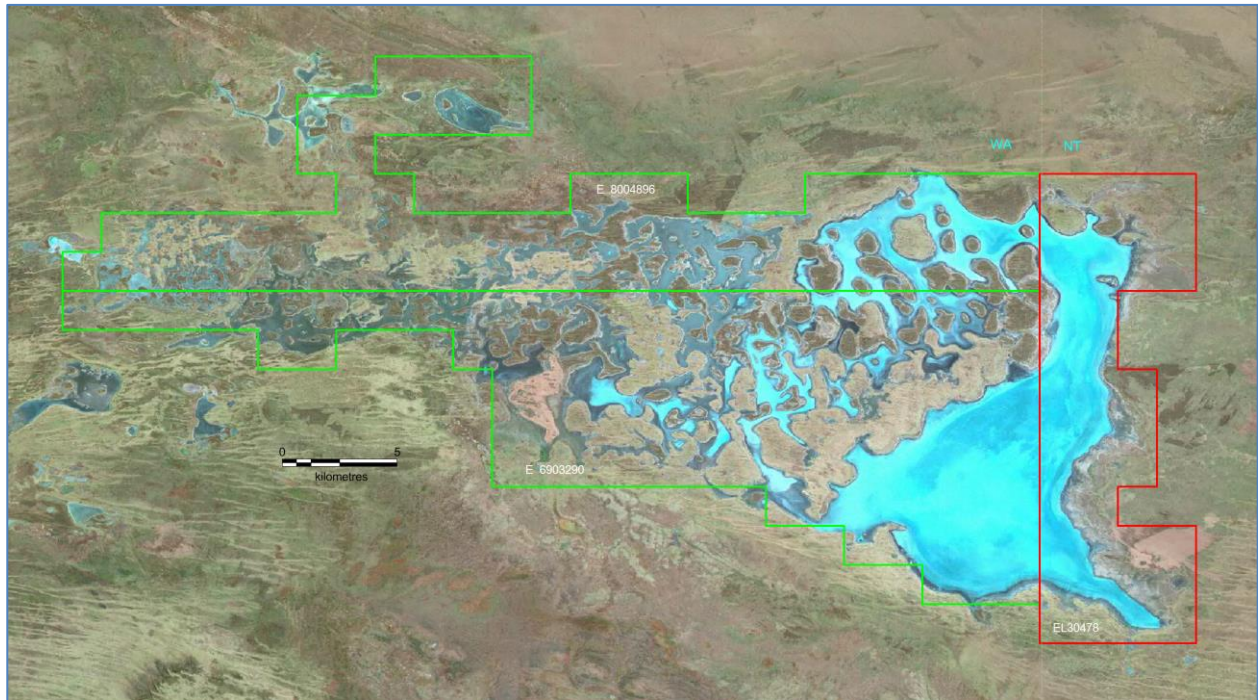
## LAKE MACDONALD POTASH, WA and NT

Three titles across WA and NT cover all of Lake MacDonald which straddles the border. The titles are less than 100 km from the producing Surprise petroleum field. Both WA titles are now granted.

Discussions on an Exploration Agreement over the two Western Australian tenements with the Central Desert Native Title Services are on-going.

Tenement	Area km <sup>2</sup>	Blocks	Grant	Expiry	Holder
WA E69/3290	311.9	99	09/03/2015	08/03/2020	RUM
WA E80/4896	226.8	72	08/06/2015	07/06/2020	RUM
NT ELA 30478	122.9	39	-	-	RUM

Lake MacDonald titles.



Lake MacDonald titles straddling the WA/NT border on satellite image background.

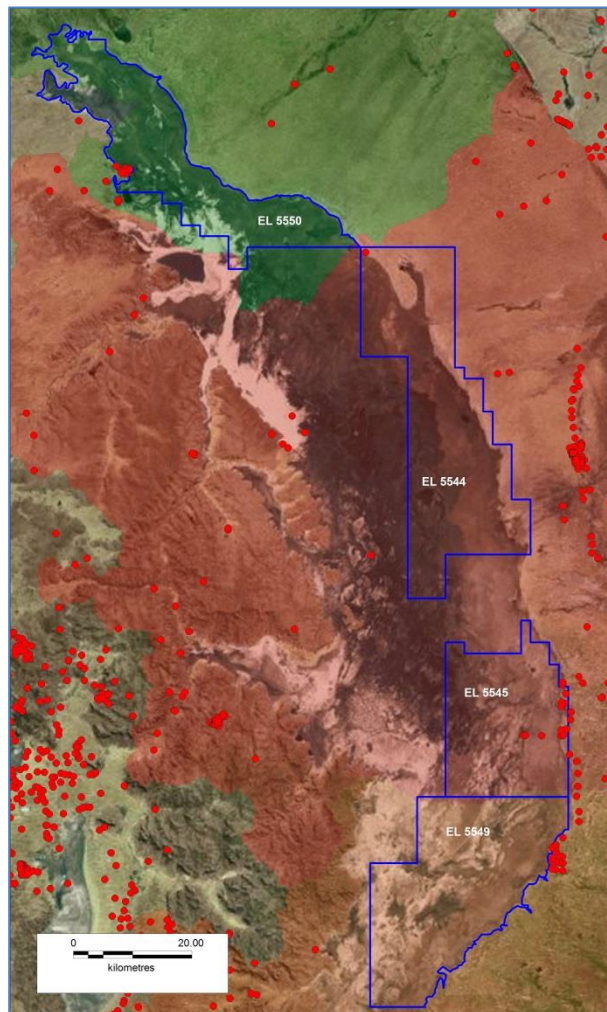


## LAKE TORRENS POTASH, SA

Rum Jungle Resources had four granted titles that covered a significant portion of Lake Torrens in South Australia. Rum Jungle Resources' CEO met with the Kokaltha Aboriginal Corporation in October 2015 and was advised that the Corporation would defer presenting its views in relation to Rum Jungle Resources' access proposal until the current Lake Torrens litigation has been completed in the Federal Court. Consequently, Rum Jungle Resources has been unable to advance its proposal to access the lake but would continue to be liable for high holding costs for an unknown indefinite period. The viability of the project was reviewed and the four titles were surrendered after the Quarter.

Tenement	Area km <sup>2</sup>	Grant Date	Expiry	Holder
EL 5544	880	05/01/2015	04/01/2017	RUM
EL 5545	505	05/01/2015	04/01/2017	RUM
EL 5549	736	05/01/2015	04/01/2017	RUM
EL 5550	617	05/01/2015	04/01/2017	RUM

Lake Torrens titles.



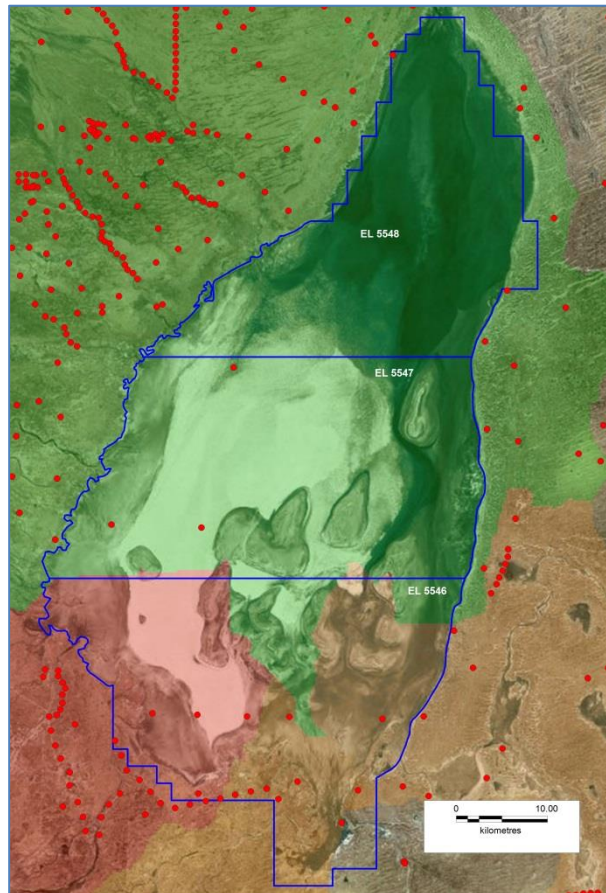
Lake Torrens titles. The catchments shown with a red tint are rated by GA as most prospective for potassium. Historic drillholes are shown as red dots. Note that there has been almost no drilling on the lake itself. The titles were surrendered after the Quarter.

## LAKE FROME POTASH, SA

A series of titles of 2,718 km<sup>2</sup> cover the entire of Lake Frome in SA. There is very little data on the potash prospectivity, but GA rated the southwest as the most prospective. The lake has previously been explored for alkali evaporites and a single hole was drilled just off the lake targeting lithium. A meeting with Traditional Owners and their lawyers took place in early October. The results were encouraging.

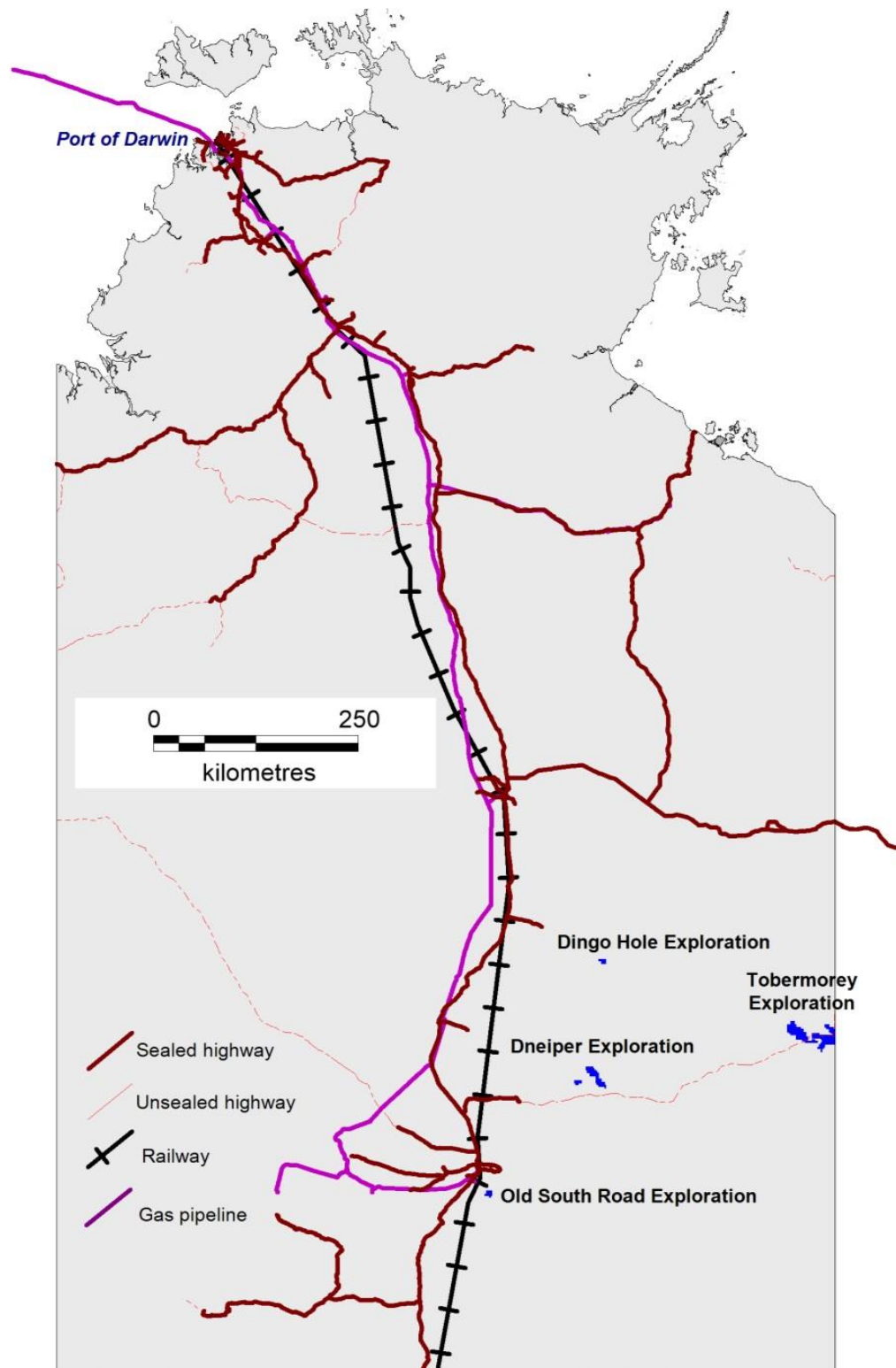
Tenement	Area km <sup>2</sup>	Grant Date	Expiry	Holder
EL 5546	949	05/01/2015	04/01/2017	RUM
EL 5547	995	05/01/2015	04/01/2017	RUM
EL 5548	774	05/01/2015	04/01/2017	RUM

Lake Frome titles.



Lake Frome titles. The catchments shown with a red tint were rated by GA as most prospective for potassium. Historic drillholes are shown as red dots. There has been very little drilling on the lake itself.

## SILICA PROJECTS



Silica projects in relation to transport and gas pipelines.

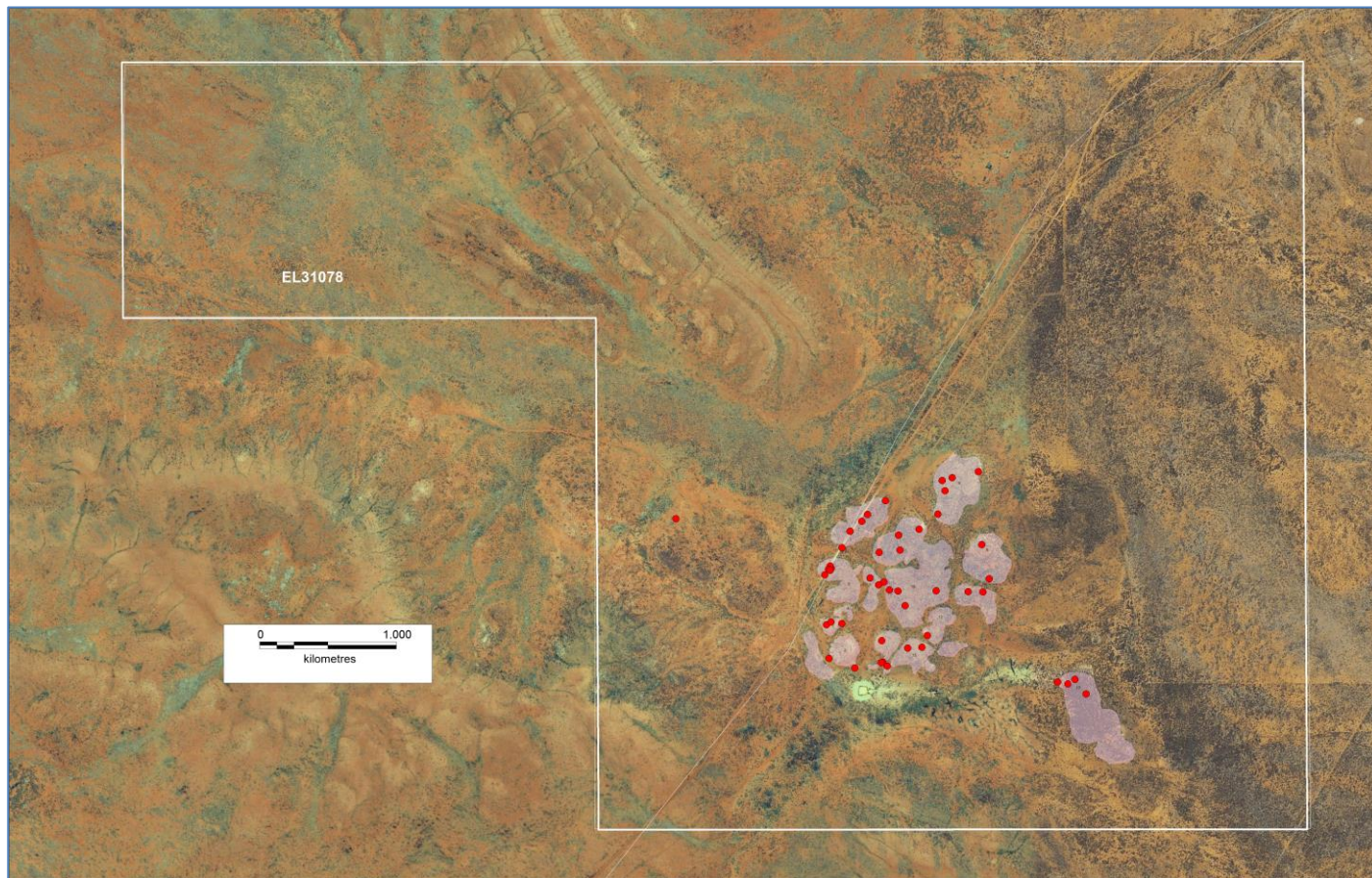


## DINGO HOLE SILICA

This project is targeting potentially high-purity silica quartz rock. During the Quarter, EL 31078 of 11 blocks (35.16 km<sup>2</sup>) was granted to replace the previous three ELs. An AAPA Certificate Clearance is still awaited. A silica bulk sample was crushed in Alice Springs and freighted to ALS Perth for leaching and final sample selection prior to overseas analysis.

Tenement	Area km <sup>2</sup>	Blocks	Grant Date	Expiry	Holder
EL 31078	35.16	11	15/01/2016	14/01/2022	RUM

Dingo Hole title.



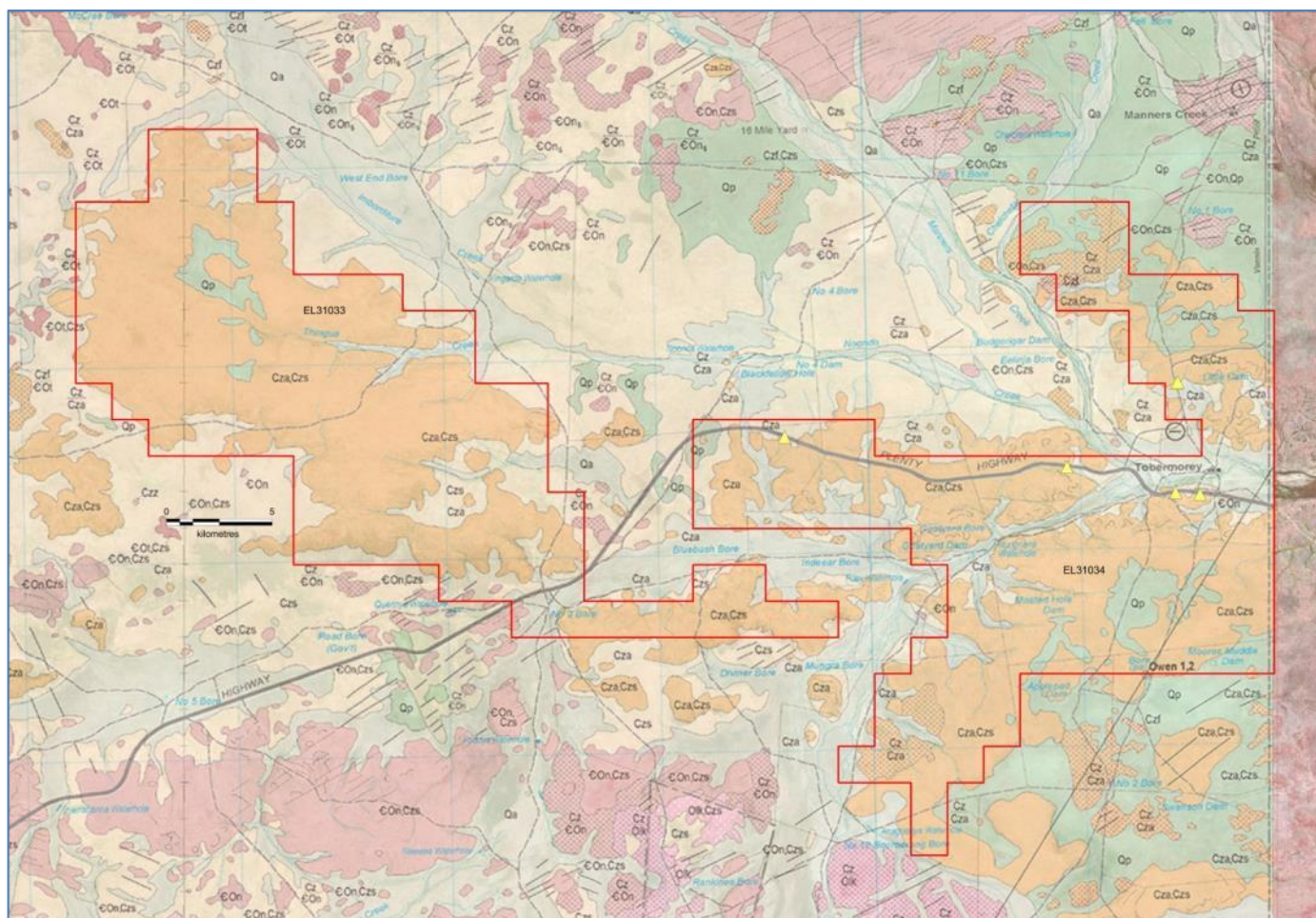
Dingo Hole Silica Project showing sampling to date and minimum extent of outcrop interpreted from satellite imagery.



**TOBERMOREY SILICA PROJECT, NT – EL 31033, EL 31044**

This project is located along the Plenty Highway, adjacent to the NT/Qld border, 390 km from the Central Australian railway (via Ammaroo), 170 km from a railhead at Dajarra in Qld, and 240 km to Mount Isa. It covers mapped Austral Downs Limestone (Cza) which contains white chalcedonic quartz.

Tenement	Area km <sup>2</sup>	Blocks	Holder
ELA 31033	349.70	110	Territory Mining
ELA 31034	359.08	113	Territory Mining

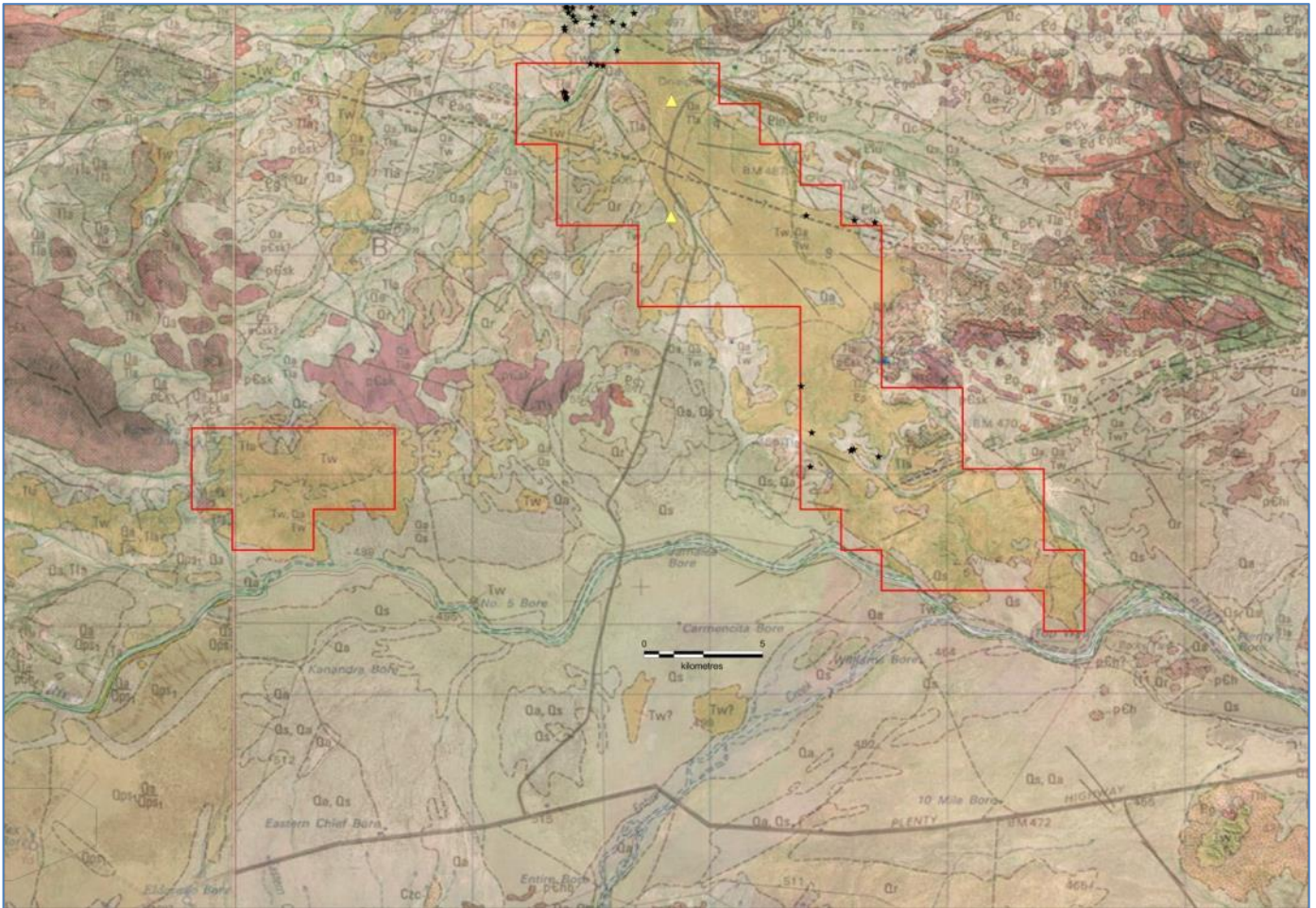


Tobermorey Silica Project applications, geology and previous sampling shown as yellow triangles. The NT/Queensland border is shown on the right.

## DNEIPER SILICA PROJECT, NT – EL 31035, EL 31036

This project is just north of the Plenty Highway, 120 km south of Ammaroo and 135 km from the Central Australian Railway. It covers mapped Waite Formation (Tw). Historical exploration was mainly for uranium, base metals and diamonds. Rio took some rockchip samples but their locations were not recorded. ABM Resources previously sampled silcrete on Waite Formation (EL 24454, CR2010-0521) and these results have been captured. They didn't test for  $\text{SiO}_2$  as such, but the lowest AI by ME-MS61 was over 2% and ranged up 3.66% which is too high for HPQ.

Tenement	Area km <sup>2</sup>	Blocks	Holder
ELA 31035	37.99	12	Territory Mining
ELA 31036	205.92	65	Territory Mining



Dneiper Silica Project applications and geology with previous sampling by ABM as black stars and other previous samples as yellow triangles.



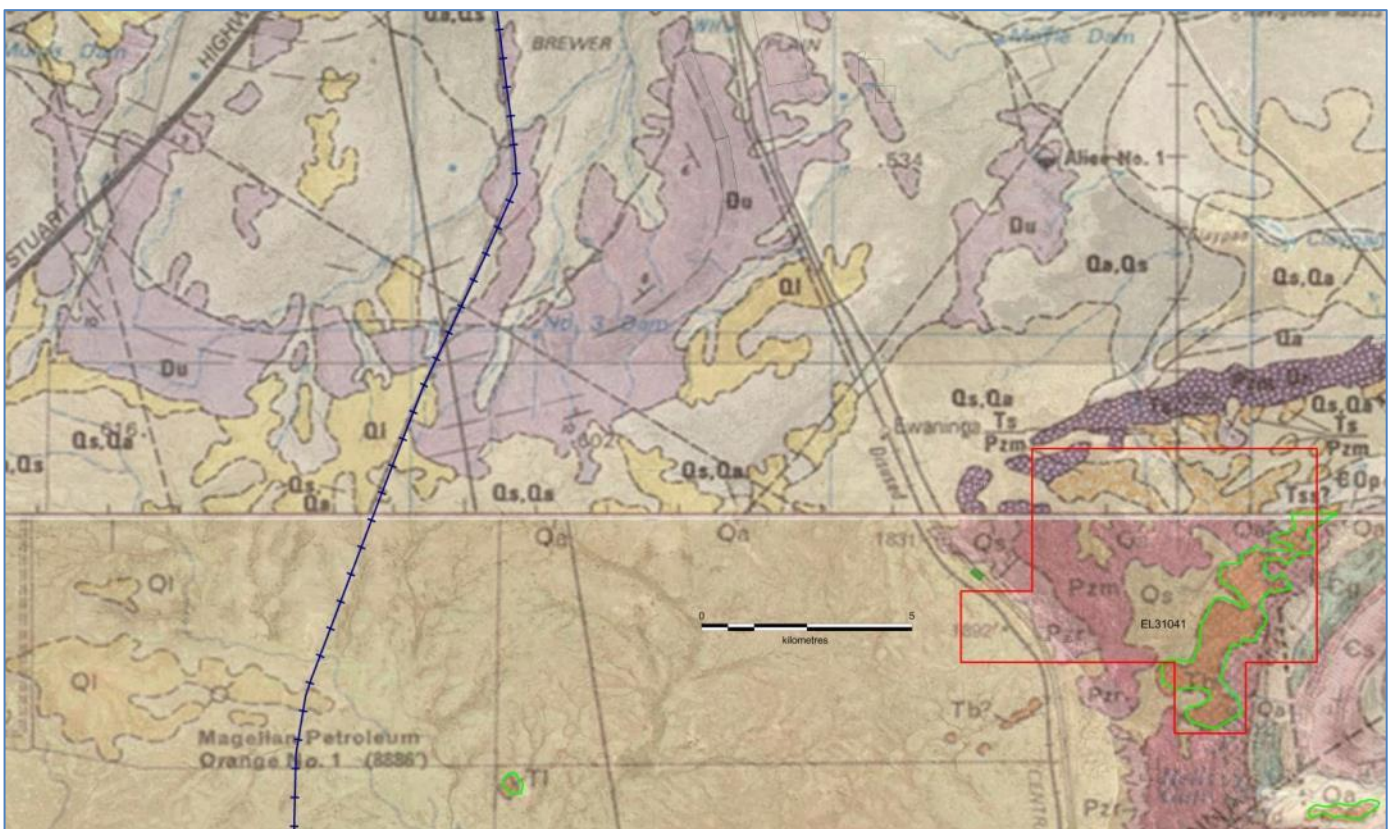
## BARKLY SILICA PROJECT, NT – EL 31037, EL 31038, EL 31039

This project was located near the junction of the Barkly and Tableland Highways in central-eastern NT, between 130 km and 180 km east of Tennant Creek and 60 km to-120 km from Wonarah Phosphate. The applications were withdrawn because samples analysed by previous explorers were all too high in Ca, Mg and/or Mn for HPQ.

## OLD SOUTH ROAD SILICA PROJECT, NT – EL 31041

This single application is along the old railway corridor (which will sterilise some of the EL), 36 km southeast of Alice Springs and 19 km from the new Central Australian Railway. The geology has been mapped differently on different generations of maps that cover the ELA. There are several formations which are described as hosting chalcedonic white silica either part of, or above, a silcrete, or with, or without, a limestone host. The only previous exploration by others was for uranium or base metals and there are no samples of relevance.

Tenement	Area km <sup>2</sup>	Blocks	Holder
ELA 31041	43.92	14	Territory Mining



Old South Road Silica application on published geology. TI, outlined in green, is considered the most prospective unit followed by Qs and Ts.

## KULGERA SILICA PROJECT, NT – EL 31042

This application covered rocks described as chalcedonic calcrete between the Stuart Highway and the Central Australian Railway near the Kulgera rail siding, 40 km north of the SA border. This application was withdrawn because the area had been comprehensively tested by surface sampling by previous explorers.

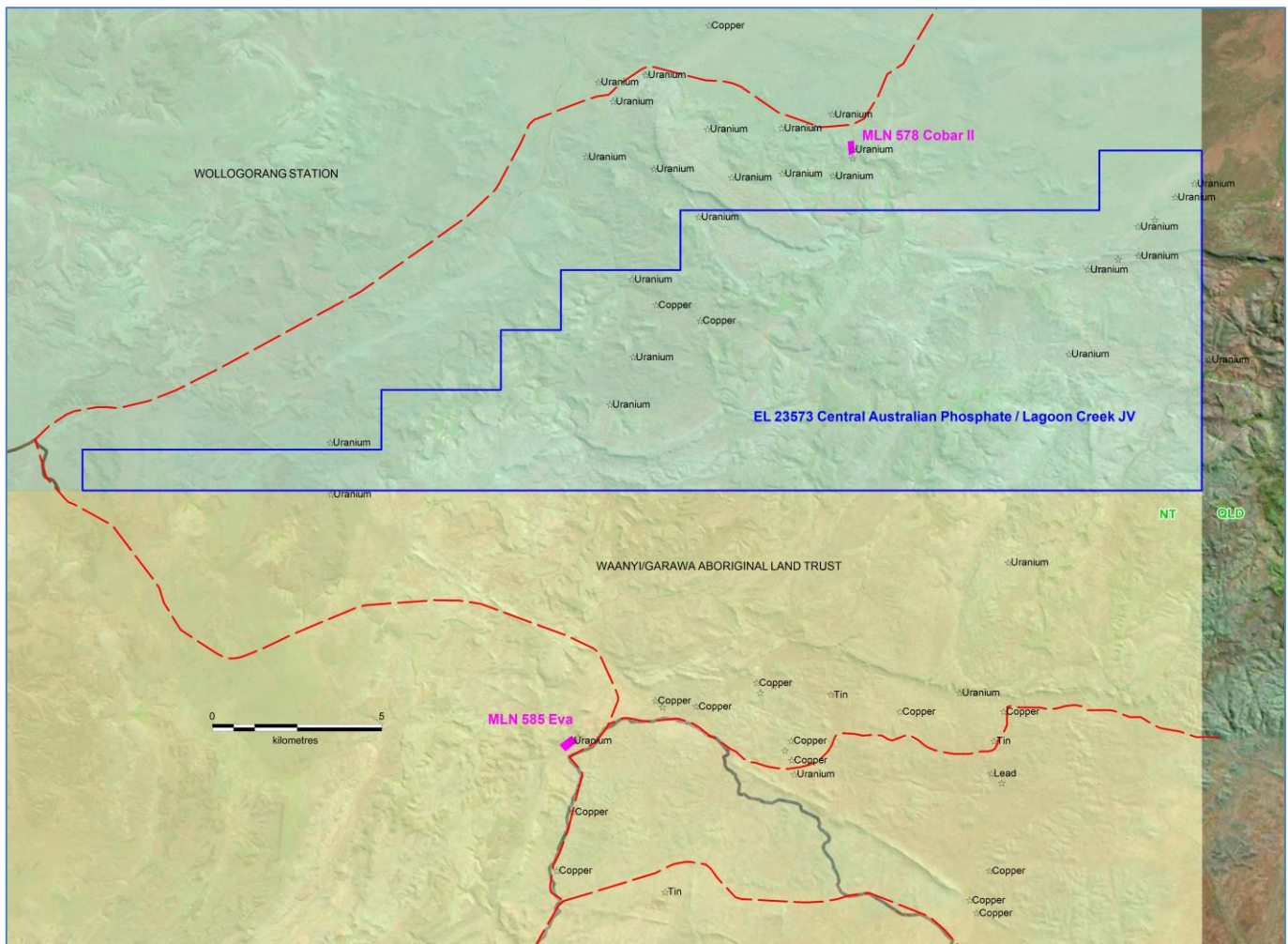
## OTHER PROJECT COMMODITIES

### WESTMORELAND PROJECT, NT

This project targeting U/Au includes two MLNs and a JV over EL 23573 with Lagoon Creek Resources which is a subsidiary of Laramide. EL 23573 is still awaiting renewal from last year at DME. MLN 578 covers the historic Cobar II uranium mine which produced 0.33t U<sub>3</sub>O<sub>8</sub>. MLN 585 covers the historic Eva uranium mine which has JORC 2004 resources for uranium and gold. The old mine produced 25.8t U<sub>3</sub>O<sub>8</sub>.

Tenement	Area km <sup>2</sup>	Blocks	Grant	Expiry	Holder
EL 23573	189.8	65	23/12/2003	22/12/2015	Central Australian Phosphate/Lagoon Ck
ML 585	12.14 hectares	na	01/01/2001	31/12/2021	Central Australian Phosphate
ML 578	6.47 hectares	na	21/12/1955	31/12/2017	Central Australian Phosphate

**Central Australian Phosphate and JV titles in the Westmoreland Project.**



**Westmoreland Project adjacent to the Queensland border showing MODAT mineral occurrences.**

### TOP END PROJECT – MT BUNDEY / MT GOYDER, NT

The Top End Project is in an established polymetallic province within 20 km of the Toms Gully gold mine. Rum Jungle Resources has withdrawn from all but an inactive joint venture with Crocodile Gold (now Primary Minerals) over exploration tenements surrounding the Tom's Gully Gold Mine. Rehabilitation of all work by Rum Jungle Resources has been completed and the security bond released by the Department of Mines and Energy.

## HEALTH, SAFETY, ENVIRONMENT AND COMMUNITY

### **Field Hours**

Field hours for the Quarter are shown below. There were no reportable accidents, injuries or environmental incidents during the Quarter.

Project	Field Hours Worked
Ammaroo	110
Karinga Lakes	10
Dingo Hole	90
Lake Amadeus	30
<b>Total</b>	<b>240</b>

Field hours worked for the Quarter.

## CORPORATE

The Company had \$1.5 million cash on hand at 31 March 2016.

Exploration and evaluation studies expenditure (cash flow) was approximately \$434k for the Quarter, including statutory charges (levies, rental etc.) to maintain tenements.

Administration expenditure (cash flow) was circa \$430k for the Quarter.



## RESOURCE REGISTER as of 31 March 2016

Commodity	Project	Ownership	Resource Category	Mt P <sub>2</sub> O <sub>5</sub>	Grade P <sub>2</sub> O <sub>5</sub> %	Cut-Off P <sub>2</sub> O <sub>5</sub> %	JORC	Announced	Status
Phosphate	Ammaroo, NT	Territory Phosphate	Measured	135	15.4	10	2012	Rum Jungle Resources 09 December 2014	pre-feasibility completed
			Indicated	80	15.3				
			Inferred	930	14				
			Total	1,145	14				
	Ammaroo South, NT	Territory Phosphate	Inferred	70	13	10	2012	Rum Jungle Resources 12 July 2014	exploration

Commodity	Project	Ownership	Resource Category	Mt K <sub>2</sub> SO <sub>4</sub>	Grade mg/L K	Cut-Off mg/L K	JORC	Announced	Status
Potash	Karinga Lakes, NT	Rum Jungle Resources	Measured	5.8	-	3,000	2012	Rum Jungle Resources 20 July 2014	scoping study in progress
			Indicated	0.46	-				
			Inferred	2.1	-				
			Total	8.4	av 4,760				
	Lake Mackay South JV, WA	51% of potash rights Rum Jungle Resources, 49% Toro Energy Limited	Inferred (mid estimate using 0.33% porosity)	13	av 3,758	none applied, but above 3,000 mg/L used at Karinga Lakes	2012	Rum Jungle Resources 09 September 2014	exploration

Commodity	Project	Ownership	Resource Category	Tonnes	Grade Au g/t	Cut-Off g/t	Au Oz	JORC	Announced	Status
Gold	Eva*, NT	Central Australian Phosphate	Inferred	14,000	3.07	1.2	1,400	2004	NuPower (CEN) 4 July 2011	no activity since acquisition
			Indicated	87,600	3.88		10,900			
			Total	101,600	3.77		12,300			

Commodity	Project	Ownership	Resource Category	Tonnes	Grade U <sub>3</sub> O <sub>8</sub> %	Cut-Off U <sub>3</sub> O <sub>8</sub> %	U <sub>3</sub> O <sub>8</sub> Tonnes	JORC	Announced	Status
Uranium	Eva*, NT	Central Australian Phosphate	Inferred	105,300	0.05	0.02	60	2004	NuPower (CEN) 4 July 2011	no activity since acquisition
			Indicated	430,500	0.14		590			
			Total	535,800	0.12		650			

## Notes

Territory Phosphate Pty Ltd and Central Australian Phosphate Pty Ltd (formerly NuPower Limited) are wholly-owned subsidiaries of Rum Jungle Resources Ltd. All resources are listed as of the time of the ASX announcement given above and have not changed since. Totals may include rounding.

\*Rum Jungle Resources has not undertaken any work to independently verify the Eva project resources prepared by Mining Associates Pty Ltd and announced by NuPower. This information was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported. Further work and evaluation may be required to independently verify the JORC 2004 compliant resource and/or make it compliant with JORC 2012.

## ATTESTATIONS

*The information in this report that relates to the phosphate Mineral Resource estimates is based on information compiled by Jonathon Abbott, a Competent Person who is a Member of the Australian Institute of Geoscientists. Jonathon Abbott is a full time employee of MPR Geological Consultants Pty Ltd and is an independent consultant to Rum Jungle Resources.*

*Mr Abbott has sufficient experience that is 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, Mineral Resources and Ore Reserves".*

*Mr Abbott consents to the inclusion in this report of the matters based on his information in the form and context in which it appears.*



**Jonathon Abbott**  
**Consulting Geologist**  
**MPR Geological Consulting Pty Ltd**

*The information in this report that relates to the potash resources have been verified by Ben Jeuken from Groundwater Science Pty Ltd who is a member of the AusIMM, and the International Association of Hydrogeologists and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity to 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, Mineral Resources and Ore Reserves".*

*Ben Jeuken consents to the inclusion in this report on the matters based on his information in the form and context in which it appears.*



**BM Jeuken BSc, MAusIMM, MIAH**  
**Principal - Groundwater Science**

## DISCLAIMER

*This report contains forward looking statements. Forward looking statements are not based on historical facts, but are based on current expectations of future results or events. These forward looking statements are subject to risks, uncertainties and assumptions which could cause actual results or events to differ materially from the expectations described in such forward looking statements. Although Rum Jungle Resources Ltd and its subsidiaries (the Companies) believe that the expectations reflected in the forward looking statements in this presentation are reasonable, no assurance can be given (and the Companies do not give any assurance) that such expectations will prove to be correct. Undue reliance should not be placed on any forward looking statements in this announcement, particularly given that the Companies have not yet made a decision to proceed to develop any other project, and the Companies do not yet know whether they will be able to finance any project.*



**Chris Tziolis**  
**Managing Director**

## TENEMENT ACTIVITIES FOR THE QUARTER

Rum Jungle Resources Ltd January - March 2016 Actions		
Date	Tenement	Action
10/02/2016	E69/2814	Surrender in full Lake Hopkins - 49 blocks
10/02/2016	E69/3144	Surrender in full Lake Hopkins - 82 blocks
10/02/2016	E69/3307	Surrender in full Lake Hopkins - 48 blocks
22/03/2016	EL 28272	Partial Voluntary Surrender Karinga - 34 blocks
15/01/2016	EL 31078	Grant of Dingo Hole – 11 blocks

Territory Phosphate Pty Ltd January - March 2016 Actions		
Date	Tenement	Action
22/03/2016	EL 25185	Partial Voluntary Surrender Ammaroo South - 23 blocks
22/03/2016	EL 30613	Partial Voluntary Surrender Singleton - 35 blocks

Territory Mining Pty Ltd January - March 2016 Actions		
Date	Tenement	Action
03/03/2016	ELA 31037	Withdrawn in full Frewena, Barkly - 246 blocks
03/03/2016	ELA 31038	Withdrawn in full Frewena East, Barkly - 32 blocks
03/03/2016	ELA 31039	Withdrawn in full Dalmore, Barkly - 201 blocks
03/03/2016	ELA 31042	Withdrawn in full Kulgera 91 - blocks