

## QUARTERLY ACTIVITIES REPORT PERIOD ENDED 31 MARCH 2018

Verdant Minerals (VRM) 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.

### CORPORATE

- Cash Balance of \$1.8 million (including secured Term Deposits of \$210k held against security guarantees).

### HEALTH, SAFETY, ENVIRONMENT AND COMMUNITY

- 20 field hours were worked in the Ammaroo project without incident or accident.

### PHOSPHATE

The Ammaroo Phosphate project feasibility study, environmental approvals process and other steps to de-risk the project and to underpin the project's value are in their final stages.

- The detailed feasibility study for phosphate rock production of 1 Mtpa start-up and expansion to 2 Mtpa after year 5 is largely complete. Management in conjunction with its consultants are finalizing documentation to ensure it is adequate for third party due diligence and compiling inputs for the completion of financial modelling and economic assessment. The Company expects to be in a position to announce the results of the study and economic assessment shortly.
- A non-binding offtake MOU has been signed (announced to the ASX 19 March 2018) with Wilson International Trading Limited for up to 350,000 tonnes per annum of phosphate rock concentrate or other phosphate products produced at Ammaroo. Wilson International Trading procures up to 1 million tonnes per annum of phosphate rock concentrate for Greenstar Fertilizers, one of India's leading manufacturers and marketer of fertilisers.
- Offtake discussions continue with other regional importers of phosphate rock and an additional two fertilizer manufacturers have requested and received samples of Ammaroo Rock Concentrate for assessment during the quarter. The company's view is that the transition of off-take discussions will benefit from the completion of environmental approvals and a line of sight to project financing.
- NT Government discussions in relation to achieving a project development agreement continue.

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MAJOR PROJECTS – Ammaroo Rock Phosphate | Karinga Lakes Sulphate of Potash

- The Supplementary Environmental Impact Statement has been prepared and is undergoing an adequacy check by the Northern Territory Environmental Protection Authority (NT EPA). Assuming the adequacy check does not result in additional work, it is anticipated that the Supplementary EIS will be submitted for formal assessment in early May 2018. Once the formal assessment commences, the NT EPA has a statutory 35 calendar days to complete the assessment and make its recommendations to the Minister. Therefore it is expected that the Northern Territory EIS process will be completed during June 2018.
- The Federal Environmental Protection and Biodiversity Conservation (EPBC) Act preliminary documentation review process is in its final phase of assessment by the Federal Government Department of Environment and Energy. The statutory 40 business day assessment phase commenced on 5 March 2018 and is expected to be completed in May 2018, recognizing that the Department has informed the company that it is currently unable to meet its statutory assessment time frames and that the receipt of a draft decision is likely to be delayed by at least two weeks.
- Native Title Agreement negotiations with the Native Title Holders and their advisers (the Central Land Council) continue. An 'on country' meeting with Traditional Owners is scheduled in mid May 2018 where it is hoped the terms of the Native Title Agreement can be finalised and agreed.

## **POTASH**

- Under the terms of the Karinga Lakes JV, evaporation trials of an 8,000 litre brine sample continue to provide mixed potash salts for pilot testing.
- During the quarter, Consolidated Potash Corporation (CPC, formerly Aqua Guardian Group) and its corporate affiliate Activated Water Technologies (AWT) continued to test the performance of the aMES™ technology on brine and salt samples sourced from the Karinga Lakes project. Significant progress continues to be made in process flow sheet design improvements, including successful validation that potassium sulphate (SOP) can be produced from the Karinga Lakes with aMES™ technology, without the need for flotation and its associated reagents and fresh water usage. In order to scale-up the highly encouraging laboratory scale aMES™ test work, AWT and its strategic research partner, Victoria University's Institute for Sustainable Industries & Liveable Cities, have designed and are in the early stages of constructing a larger capacity aMES™ pilot plant, that will assist in further optimising and validating the sulphate of potash flow sheet design. Given the potential of aMES™ technology to eliminate the capital and operating costs of a remote fresh water bore field and a flotation plant, and is also anticipated to require substantially less reagents during SOP processing, the Karinga Lakes project partners continue to be encouraged by the transformative potential of the technology in the extraction of valuable minerals from salt lake brine resources.

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

- Samples of Dingo Hole Silica has been utilized in research conducted in conjunction with a Tier 1 Australian University to successfully produce samples of clear glass substrate which may be suitable for use as LED/OLED glass substrate. The proprietary methods developed have enabled the removal of the bubbles associated with small quantities of carbonate elements within the silica which appear when melted at very high temperatures. The glass substrate samples, produced at laboratory scale, align with the high purity chemical and optical qualities required in this market. If these findings can be confirmed at an industrial scale this may open up access to a large, growing and potentially valuable market. Over the coming months, Verdant intends to engage with major LED/OLED glass substrate producers to evaluate and verify the viability of Dingo Hole silica in this market.

## PHOSPHATE PROJECTS

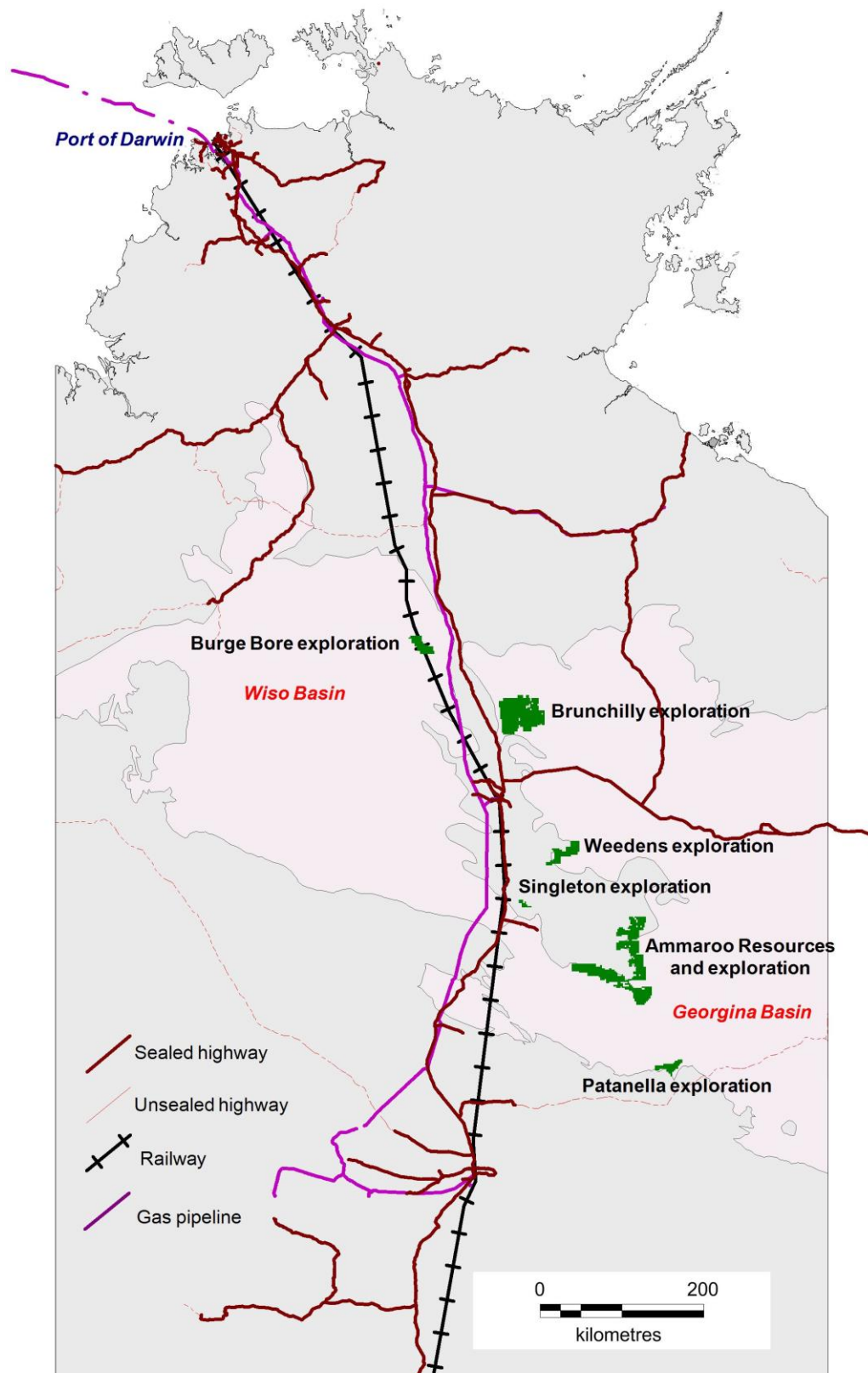


Figure 1. Phosphate projects in the Georgina and Wiso Basins (shown in pink) in relation to transport infrastructure and gas pipelines.

**AMMAROO PHOSPHATE PROJECT, NT**

The Ammaroo Phosphate Project is located 220 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 and the Rockhole phosphate prospect. The Bankable Feasibility Study and Environmental Impact Assessment are underway and expected to be finalized during the next quarter.

**Project Tenement Rationalisation**

A rationalisation of the Ammaroo Projects titles is underway. The aim is to reduce the patchwork of 12 historical ELs (some dating back over 10 years) to the minimum number possible while still retaining the same overall landholding securely under ELRs (Exploration Licence in Retention). When completed, this rationalisation will have one deposit or prospect per EL, rather than having phosphate entities spread over multiple contiguous ELs. It will also simplify dealings with stakeholders and will reduce rental payments to NT Government. The interim tenement situation at the end of the Quarter is shown below.

EL	ELRA
24726	31739
25183	31740
25184	31741
25185	31742
27987	31743
28402	31744
28403	31745
28648	31746
29373	31747
29374	31748
30520	31749
30663	31750

**Table 1. Old ELs and the ELR applications that replaced them, block for block.**

Tenement	Area	Blocks	Comment	Expiry	Holder
ELA 31789	759.58 km <sup>2</sup>	238	application 27/12/2017	6 years from grant	Territory Phosphate
ELA 31790	746.27 km <sup>2</sup>	233	application 27/12/2017	6 years from grant	Territory Phosphate
ELA 31791	798.47 km <sup>2</sup>	250	application 27/12/2017	6 years from grant	Territory Phosphate
EL 24726	63.91 km <sup>2</sup>	20	grant 01/04/2008 reduced 24/11/2017	31/03/2018	Territory Phosphate
EL 25184	60.72 km <sup>2</sup>	19	grant 19/04/2007 reduced 24/11/2017	18/04/2019	Territory Phosphate
MLA 29463	5,912 hectares	na	application 30/03/2012 amended 29/09/2017	30 years from grant	Territory Phosphate
MLA 29854	6,072 hectares	na	application 14/02/2013 amended 29/09/2017	25 years from grant	Territory Phosphate
MLA 31713 (borefield)	171.00 hectares	na	application 22/09/2017	30 years from grant	Territory Phosphate
MLA 31717 (ballast quarry)	161.17 hectares	na	application 25/09/2017	25 years from grant	Territory Phosphate

**Table 2. Ammaroo phosphate titles as of 31 March excluding ELR applications.**



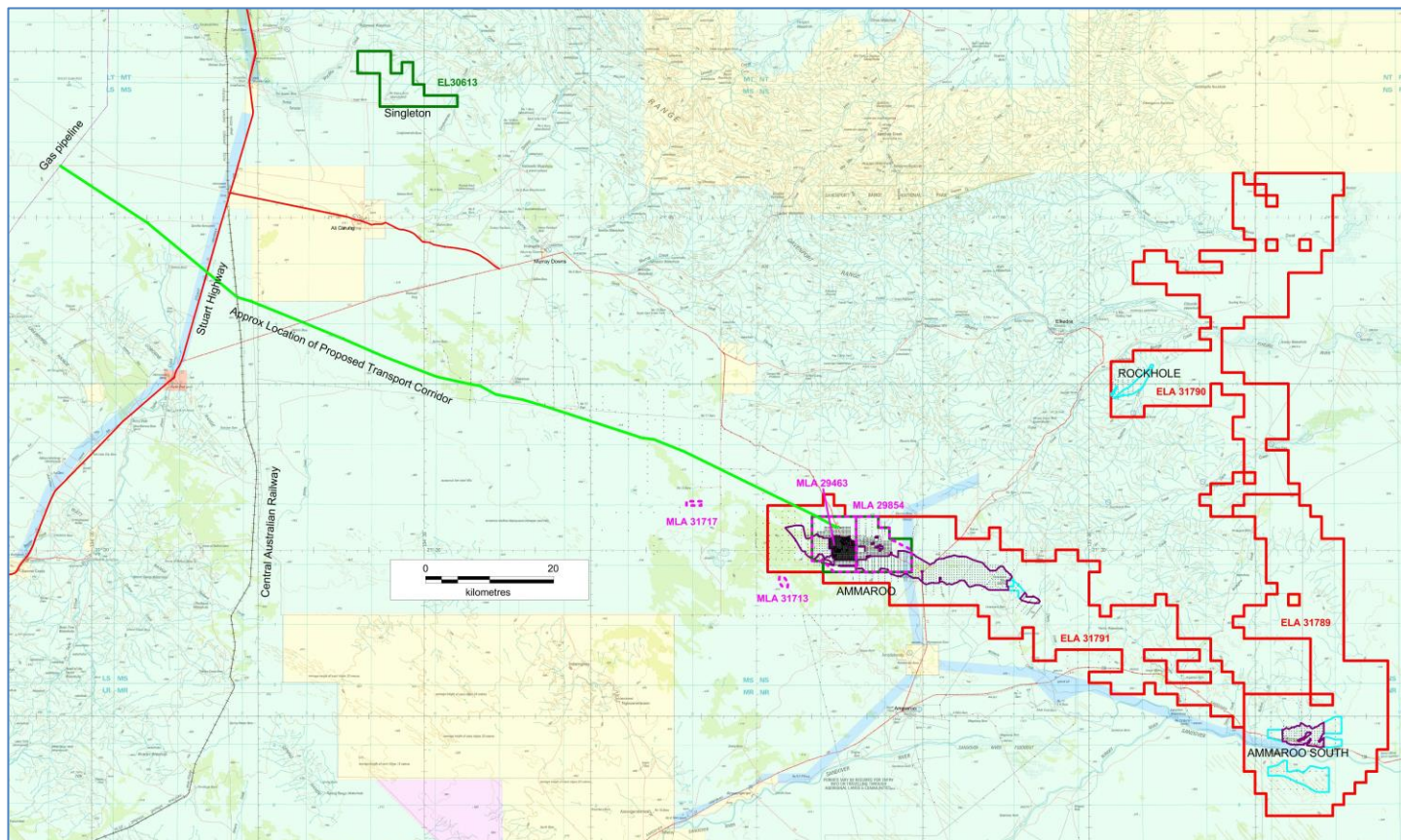


Figure 2. Tenement status as of 31 March 2017, showing granted ELs in dark green, new EL applications in red, and ML applications in dashed pink. ELR applications which are coincident with the old ELs are not plotted. All drilling including in areas now relinquished is shown as black dots. JORC resources are outlined in purple and areas of independently estimated exploration potential are outlined in light blue. Proposed new infrastructure being evaluated in the BFS is shown in light green. The green tone background is pastoral lease and the yellow is Aboriginal land.

### Environmental Impact Assessment

The Draft Supplementary Environmental Impact Statement has been prepared and is currently with the Northern Territory Environmental Protection Authority (NT EPA) undergoing an adequacy check. Assuming the adequacy check does not result in additional work, it is anticipated that the Draft Supplementary EIS will be submitted for formal assessment in early May 2018. Once the formal assessment commences, the NT EPA has 35 calendar days to complete the assessment and make its recommendations to the Minister. Therefore it is expected that the Northern Territory EIS process will be completed during June 2018.

The Federal Environmental Protection and Biodiversity Conservation (EPBC) Act preliminary documentation review process is in its final phase of assessment by the Federal Government Department of Environment and Energy. The 40 business day assessment phase commenced on 5 March 2018 and is expected to be completed in May 2018, recognizing that the Department has informed the company that it is currently unable to meet its statutory assessment time frames and that the receipt of a draft decision is likely to be delayed by at least two weeks.

### Rehabilitation and Baseline Environmental Monitoring

Routine monitoring of natural revegetation of disturbed areas continued during the Quarter. Surface water samples were taken as part of environmental baseline definition.

### Barrel Leachate Tests

Fifty six samples for approximately 900 kg were collected for long-term bulk barrel leachate tests. The tests are designed to simulate the affects of rain soaking through stockpiles of sand/soil cover, overburden with low iron, overburden with high iron, and ore. Tailings will be added to the sample set at a later date. The tests are expected to run for at least 18 months.

**Bankable Feasibility Study**

The bankable feasibility study is nearing completion with the engineering design reviews completed and final capital and operating costs reviews in the process of being completed as a pre-cursor to finalizing an economic assessment. It is intended to draw a line under the study phase in April and review construction contractor engagement, project optimization and value engineering in co-operation with selected constructors and the financing phase, which in due course will include due diligence by the Northern Australia Infrastructure Fund (NAIF).

**SINGLETON PHOSPHATE PROJECT, NT**

EL 30613, close to the highway and railway as shown in Figure 2 previously, covers potentially prospective rocks which were intersected in waterbores. Verdant Minerals undertook a detailed study of all available information on 14 waterbores and gamma logs in and near Singleton EL 30613. This led to the previous relinquishment of the 35 least prospective blocks.

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

Table 3. 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%  $P_2O_5$  at a cut-off grade of 5%  $P_2O_5$  or approximately 20 Mt to 50 Mt at 15% to 20%  $P_2O_5$  at a cut-off grade of 10%  $P_2O_5$ . Tenement renewals have been granted.

Tenement	Area km <sup>2</sup>	Blocks	Grant	Expiry	Holder
EL 24716	187.11	59	01/12/2005	30/11/2019	Territory Phosphate Pty Ltd
EL 24724	47.57	15	02/12/2005	01/12/2019	Territory Phosphate Pty Ltd

Table 4. Patanella ELs.

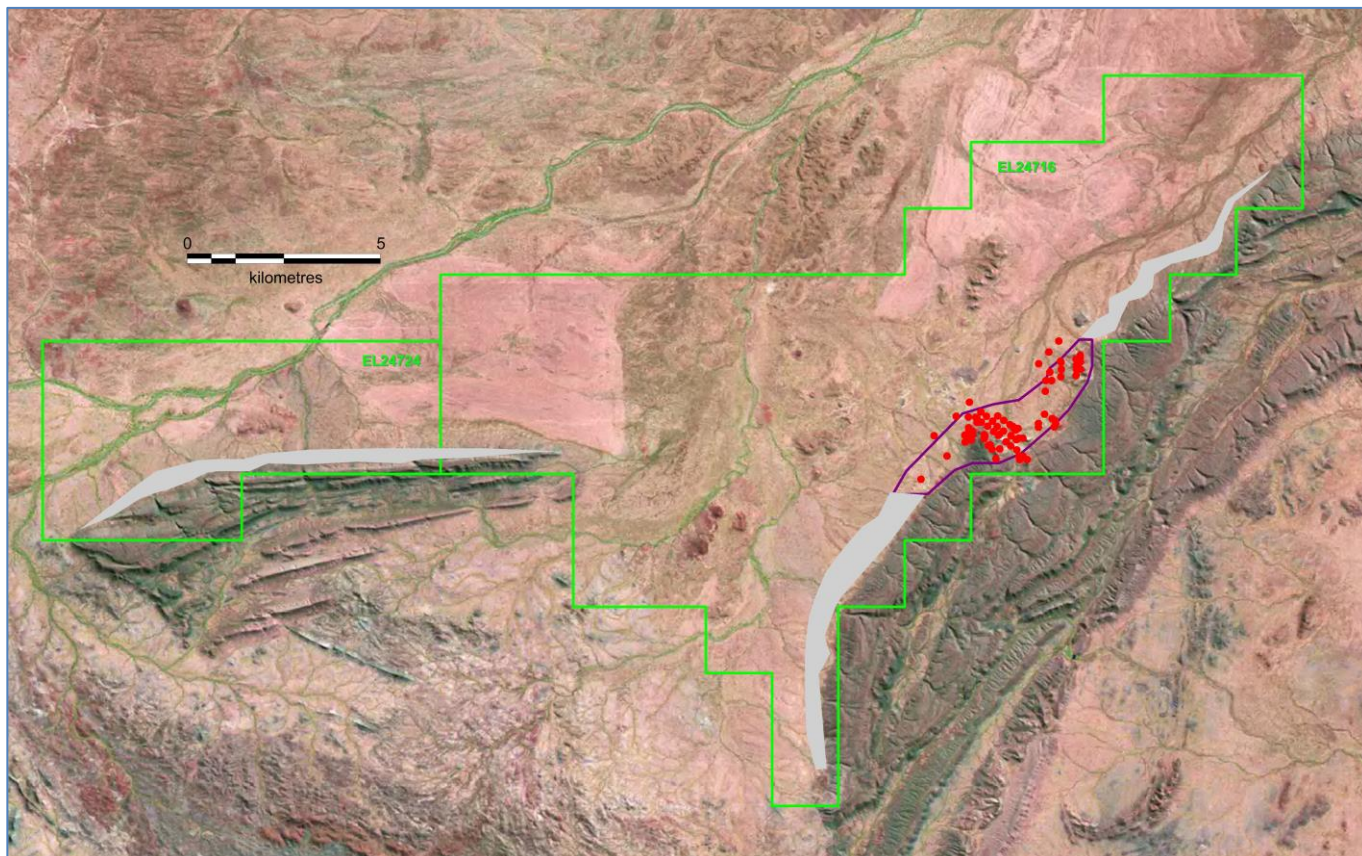


Figure 3. Patanella phosphate titles and Patanella Prospect Exploration Target outlined in purple. Existing drillholes are shown as red dots and the prospective interval in grey.

## BRUNCHILLY PHOSPHATE PROJECT, NT

The Brunchilly Project consists of three contiguous phosphate ELs near Tennant Creek. The area has previously been targeted for Cambrian phosphate, in separate but coeval projects, by Minemakers and Vale. Minemakers and a Minemakers-Geotech JV mapped out a prospective 35 km long by 10 km wide northwest-trending Cambrian embayment, partly based on soil sampling. The partners planned to drill but the joint venture was dissolved as Minemakers focused on its Wonarah deposit. This target zone is in the northern part of the Brunchilly Project and remains untested. Vale previously held only the southern part of the Brunchilly Phosphate Project. Vale commissioned a waterbore study by CSIRO. Of the 12 waterbores within the Brunchilly Project area tested during that study, three were rated as highly prospective and five as moderately prospective. Vale did not adequately drill test the area. Research by Verdant Minerals has identified highly anomalous vanadium (>500 ppm, best of 2,160 ppm). Such levels of vanadium are known to be a halo around some high grade Georgina Basin phosphate deposits and could be a vector to phosphate. The geological interpretation of NTGS drillhole 96/1 north of the applications was confirmed and the HyLogger data checked. All this adds credence to the geological rationale for Brunchilly. Group reporting has been approved and an MMP for approval of reconnaissance drilling has been submitted to stakeholders.

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

Table 5. Brunchilly phosphate titles.

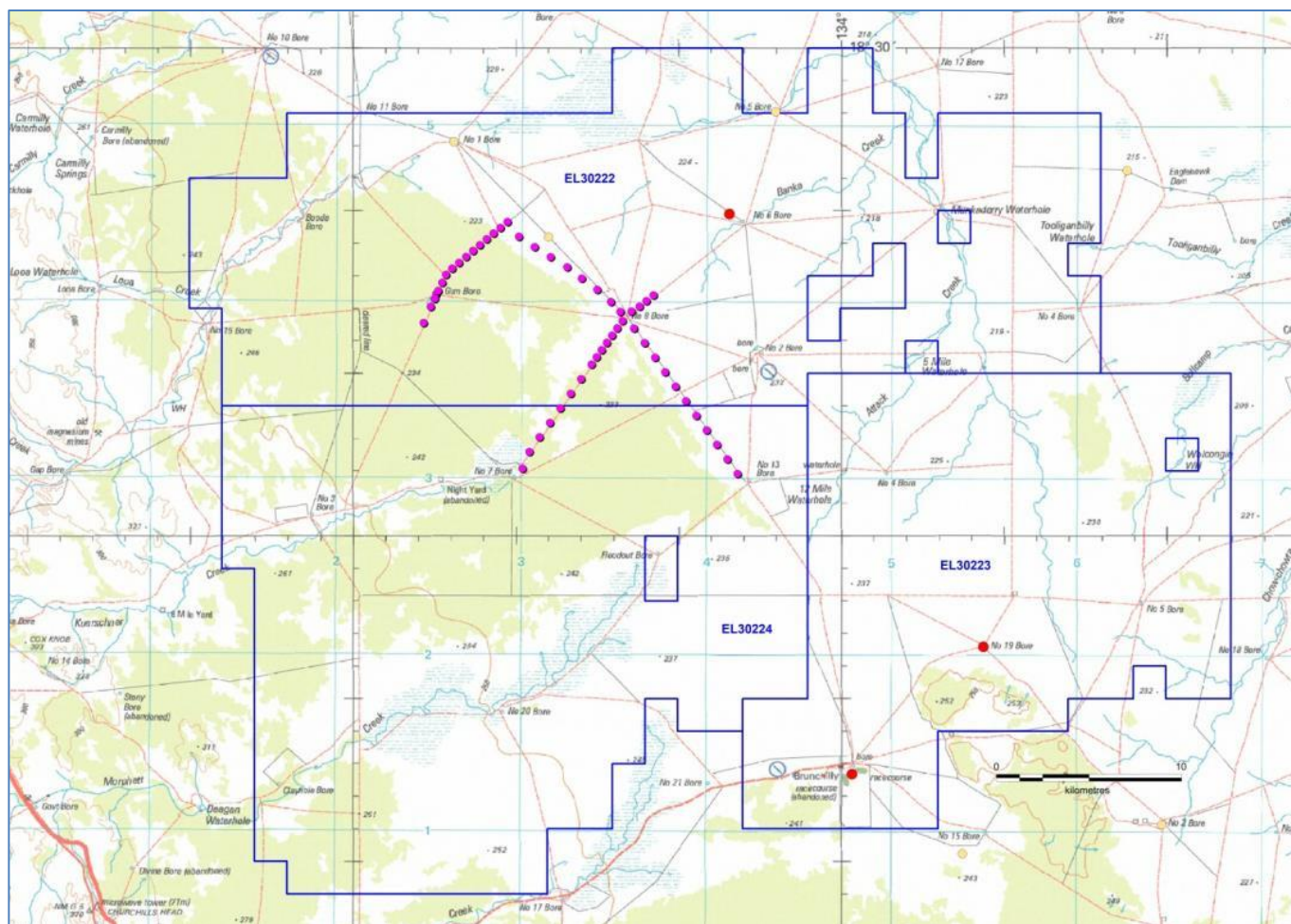


Figure 4. Brunchilly Project area showing waterbores rated as highly prospective for phosphate by CSIRO/Vale (red) and moderately prospective (yellow). Minemakers' soil sampling, which also gave some encouraging results, is shown in pink.



## 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 depth to basement modelling indicate a favourable setting straddling an eroded basement ridge. The grant of the application was delayed for over 12 months while the relevant NT Government Departments conferred 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 most of those environmentally-sensitive blocks which are inundated when the lake floods were voluntarily relinquished.

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

Table 6. Burge Bore phosphate title.

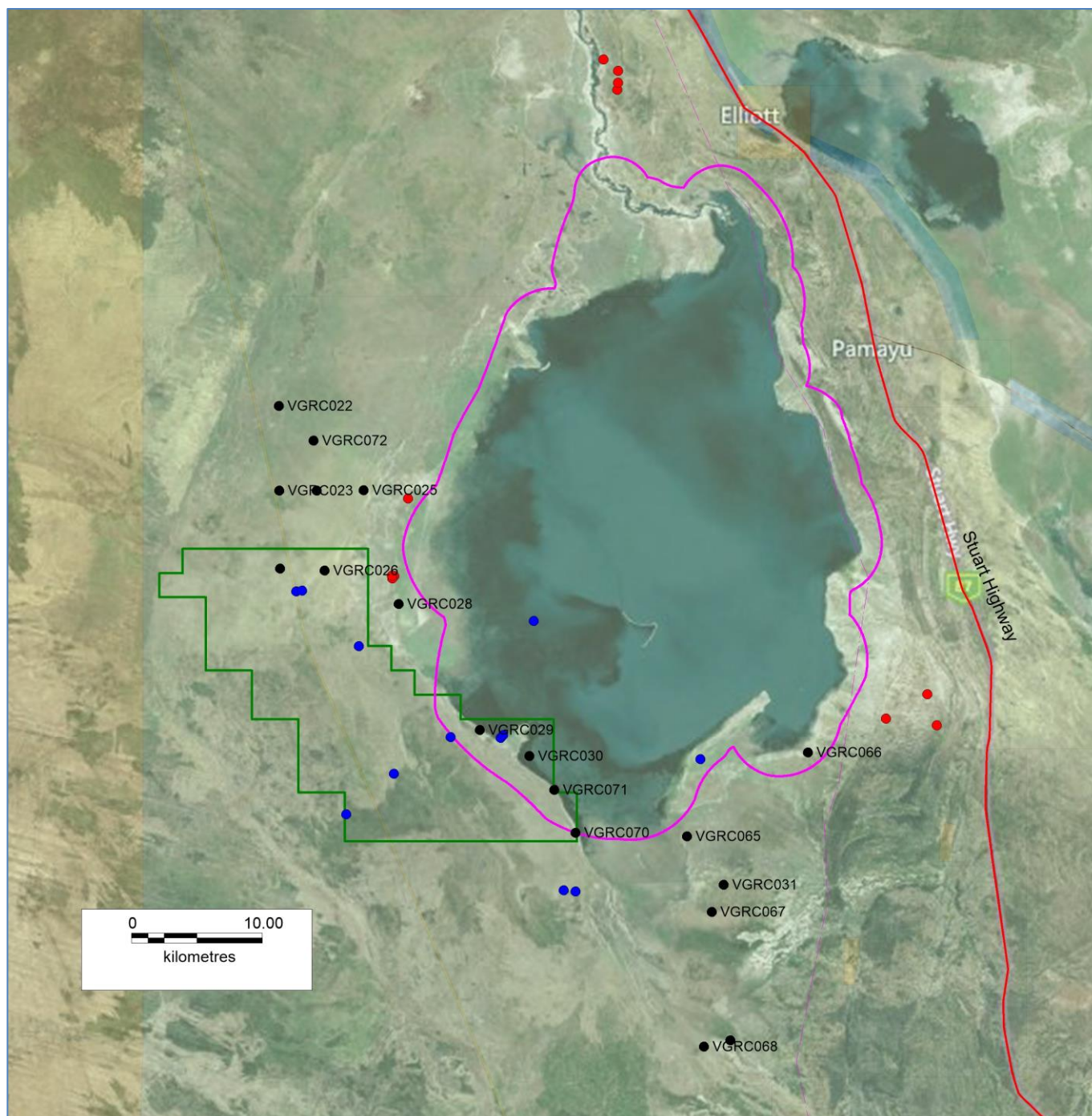


Figure 5. The Burge Bore Project area. The pink polygon is the Lake Woods Site of Conservation Significance. The waterbores (blue dots), Vale exploration holes (labelled black dots) and other drillholes (red dots) used in the in-house study are shown. The gas pipeline is the faint pink dashed line running up the eastern shore of the lake.

## WEEDENS PHOSPHATE, NT

EL 30672 is held based on previous exploration in the mid 1990s for under-cover Tennant Creek IOCG deposits 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 of which were south of EL 30672. 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. Verdant Minerals has compiled and studied the waterbore data from the area, but there has been no on-ground work.

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

Table 7. Weedens phosphate title.

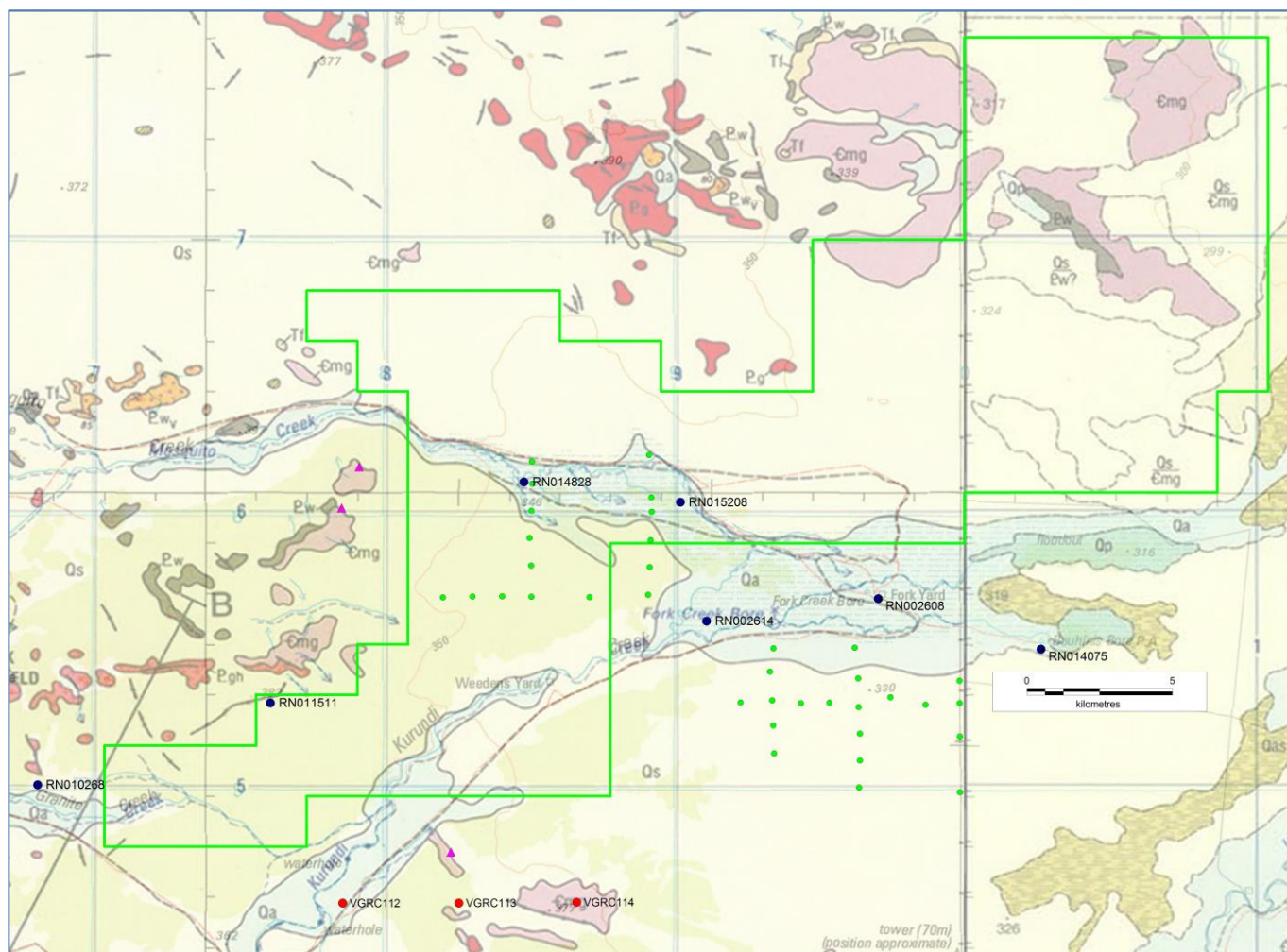


Figure 6. Waterbores used in the in-house study shown as black dots. Green dots are historical percussion holes targeted on basement IOCG. They intersected prospective Cambrian stratigraphy but were not tested for phosphate. Red dots are Vale holes, 5 km apart. Pink triangles are Vale rock chip samples. The pink outcrops labelled Emg 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

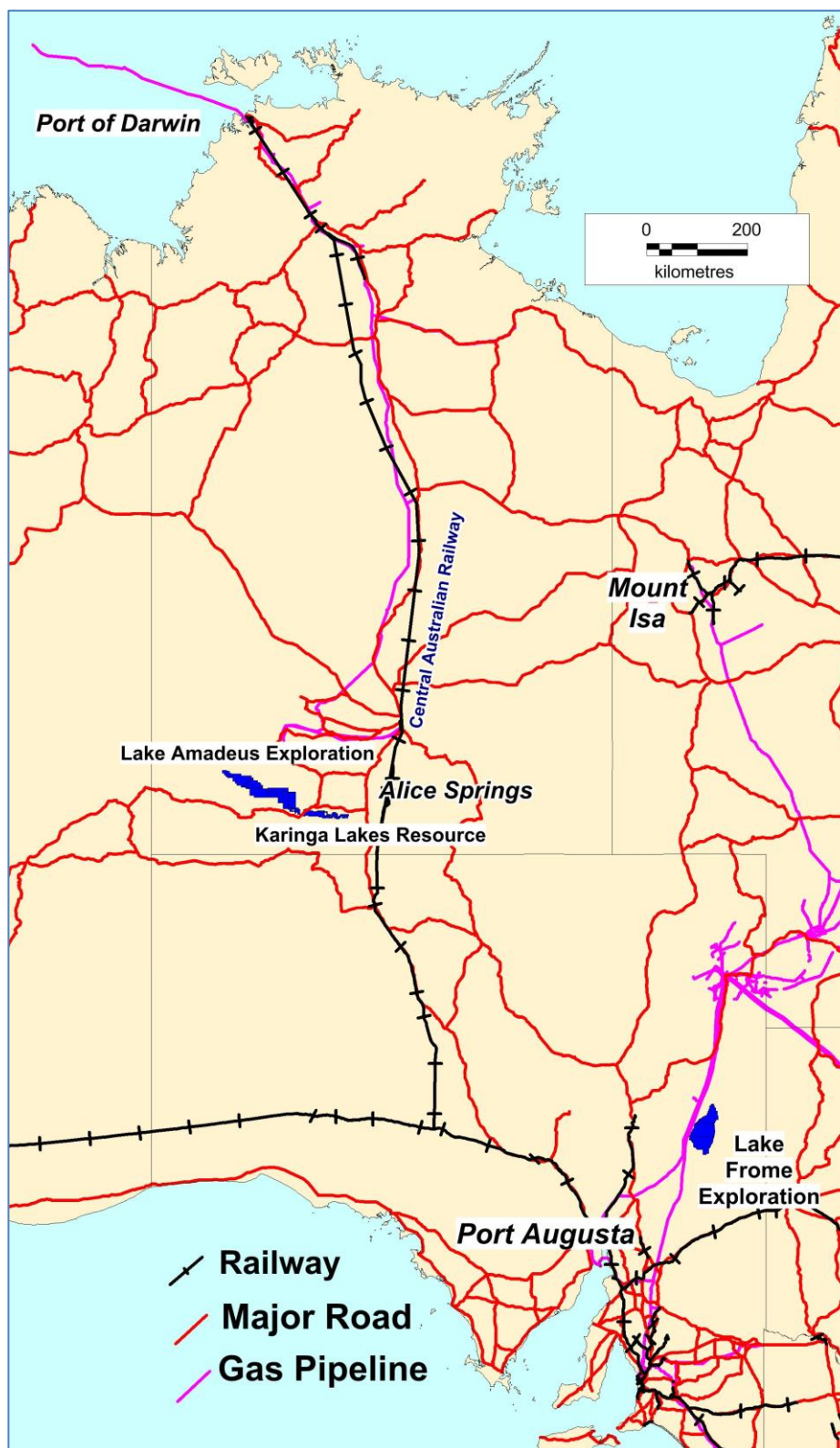


Figure 7. Sulphate of potash projects. Note that Lake Frome has been surrendered but is still showing as current on the SA Government system.



## KARINGA LAKES POTASH PROJECT, NT

### Project Tenements

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 unconsolidated 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 to produce potash fertiliser minerals such as sulphate of potash (SOP). This work is being conducted in collaboration with the Aqua Guardian Group Limited (AGG). EL 28205 and EL 28872 were renewed during the Quarter.

Tenement	Area km <sup>2</sup>	Blocks	Grant	Expiry	Holder
EL 24987	220.37	71	10/10/2006	09/10/2018	Territory Potash Pty Ltd
EL 25080	633.58	204	09/10/2006	08/10/2018	Territory Potash Pty Ltd
EL 28205	59.04	19	09/03/2011	08/03/2019	Territory Potash Pty Ltd
EL 28272	59.03	19	14/04/2011	13/04/2019	Territory Potash Pty Ltd
EL 28872	34.15	11	06/03/2012	05/03/2019	Territory Potash Pty Ltd
EL 30381	12.43	4	16/03/2015	15/03/2021	Territory Potash Pty Ltd
EL 30382	22.20	8	16/03/2015	15/03/2021	Territory Potash Pty Ltd

Table 8. Karinga Lakes potash titles.

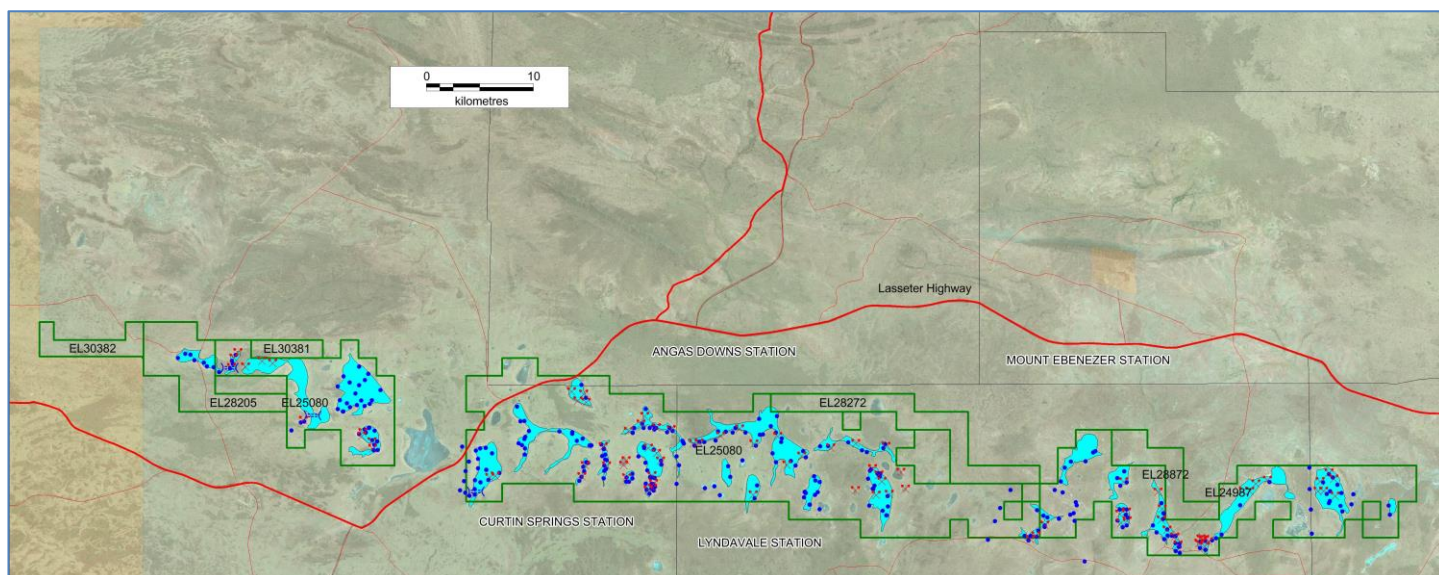


Figure 8. Karinga titles showing all sampling to date, including in areas now relinquished. Drilling (blue dots), shovel sampling (red crosses) and trenches (blue symbols, not to scale). JORC resource shown in light blue.

### Evaporation Trials

Under the terms of the Karinga Lakes JV, evaporation trials of an 8,000 litre brine sample are underway to provide mixed potash salts for pilot testing. During the Quarter, progressive trial samples were collected and temperature logger data downloaded. Development of pre-treatment flowsheets for aMES<sup>TM</sup> technology processing, using VRM mixed salts, is continuing at Victoria University where it has been validated that potassium sulphate(SOP) can be produced without the need for flotation and its associated reagents and fresh water usage. A larger capacity aMES<sup>TM</sup> pilot plant is being designed and constructed that will assist in further optimising and validating the sulphate of potash flow sheet design.

## 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 at that location.

All the Lake Amadeus applications are on Aboriginal land as defined under the Aboriginal Land Rights Act (ALRA). The titles have gone into five year ALRA moratorium during which the Traditional Owners can reopen negotiations but not Verdant Minerals. The applications have been transferred a subsidiary company.

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

Table 9. Lake Amadeus potash applications.

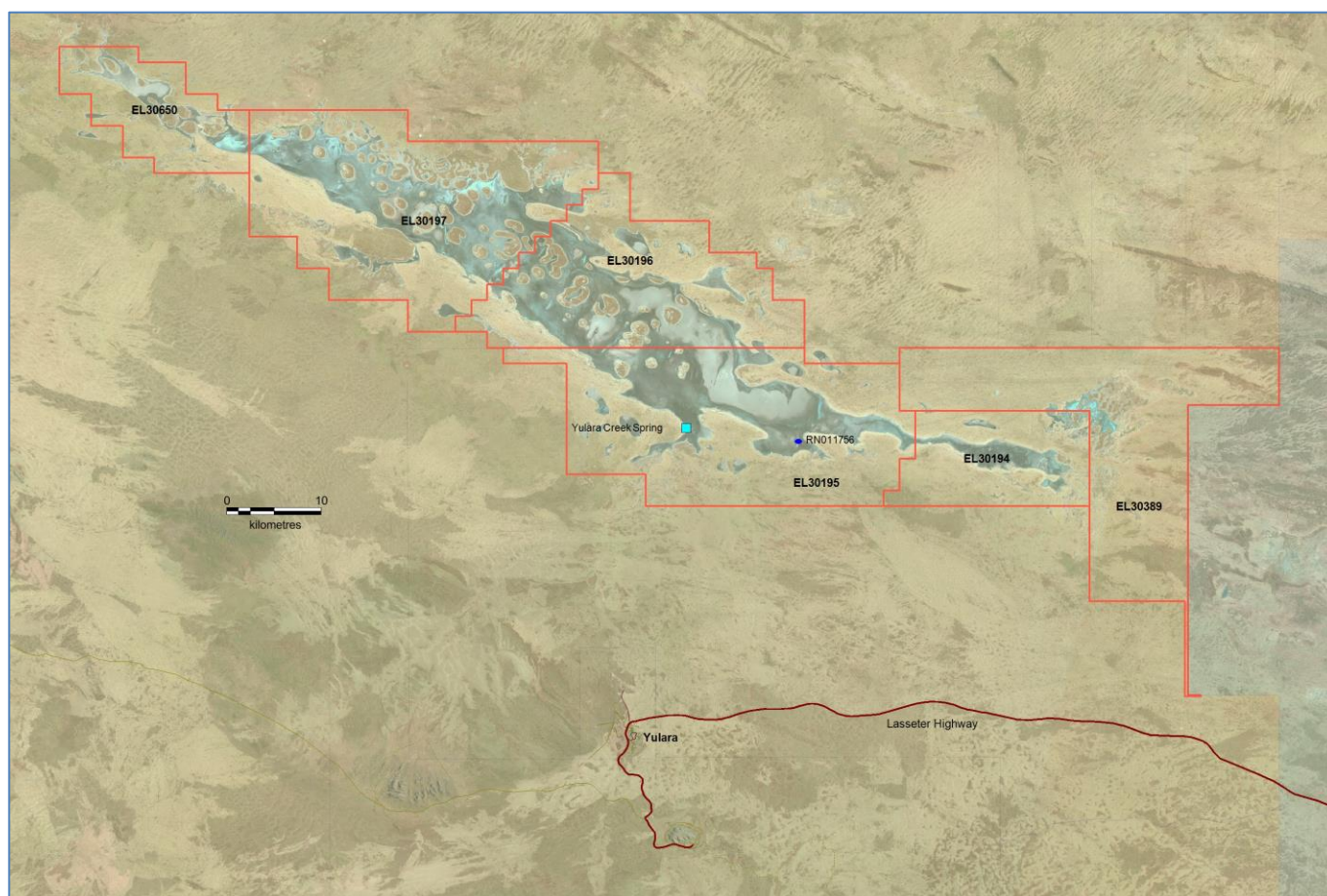


Figure 9. Yulara Creek Spring (BMR Sample 90201) and the collars of Newmont’s twinned drillholes, one recorded as a waterbore RN011755, plotted on the Lake Amadeus applications. Aboriginal land in yellow. These Lake Amadeus applications abut Karinga Lakes to the east.

### **LAKE FROME POTASH, SA**

The three granted titles over Lake Frome were subject to applications for surrender in order to focus funds on higher priority projects. The titles were still showing as active on the SA Government system at the end of the Quarter, as Ministerial approval for surrender of the titles was actioned after the end of the Quarter.



# SILICA PROJECTS

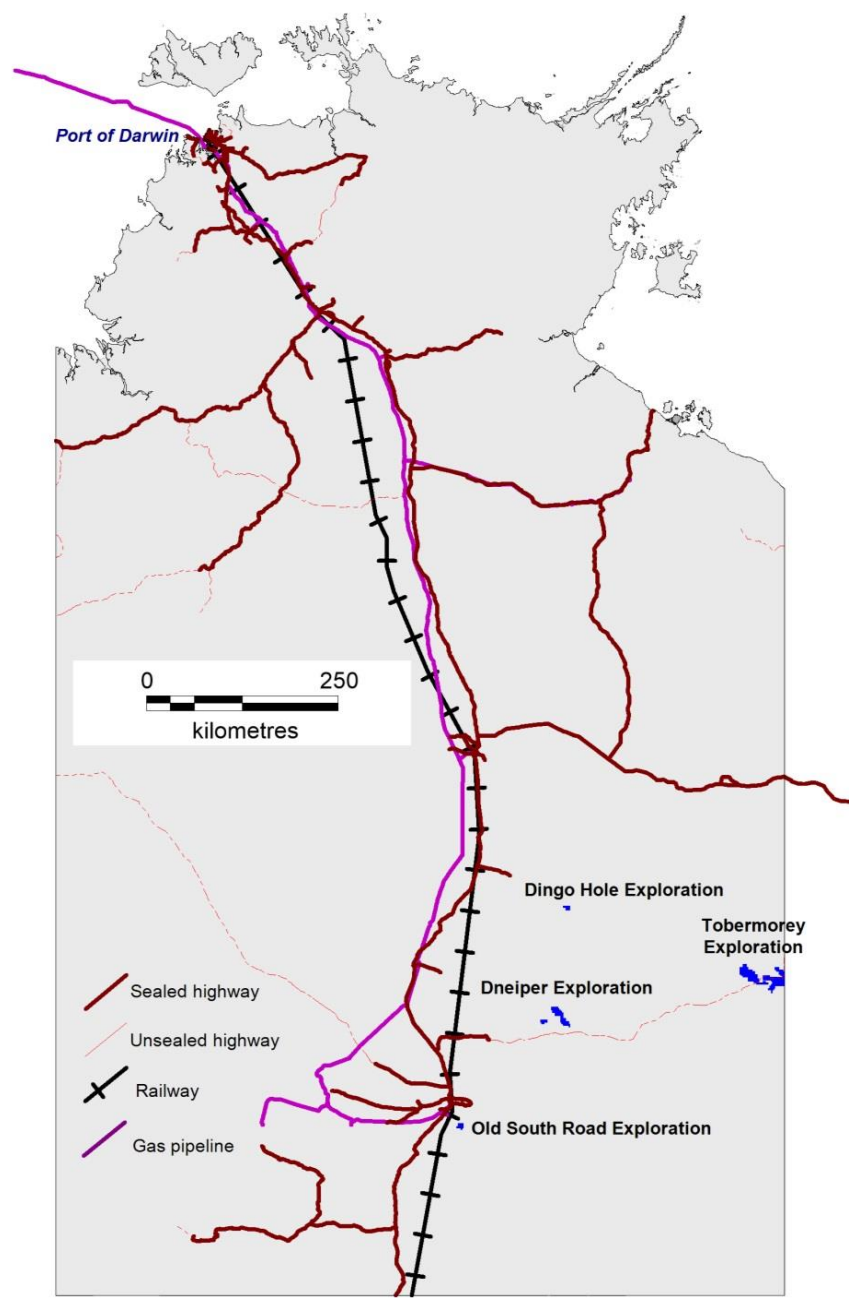


Figure 11. Silica projects in relation to transport and gas pipelines.

## DINGO HOLE SILICA

This project is targeting potentially high-purity silica quartz rock. Work has been repatriated to an Australian University to continue the research.

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

Table 11. Dingo Hole title.

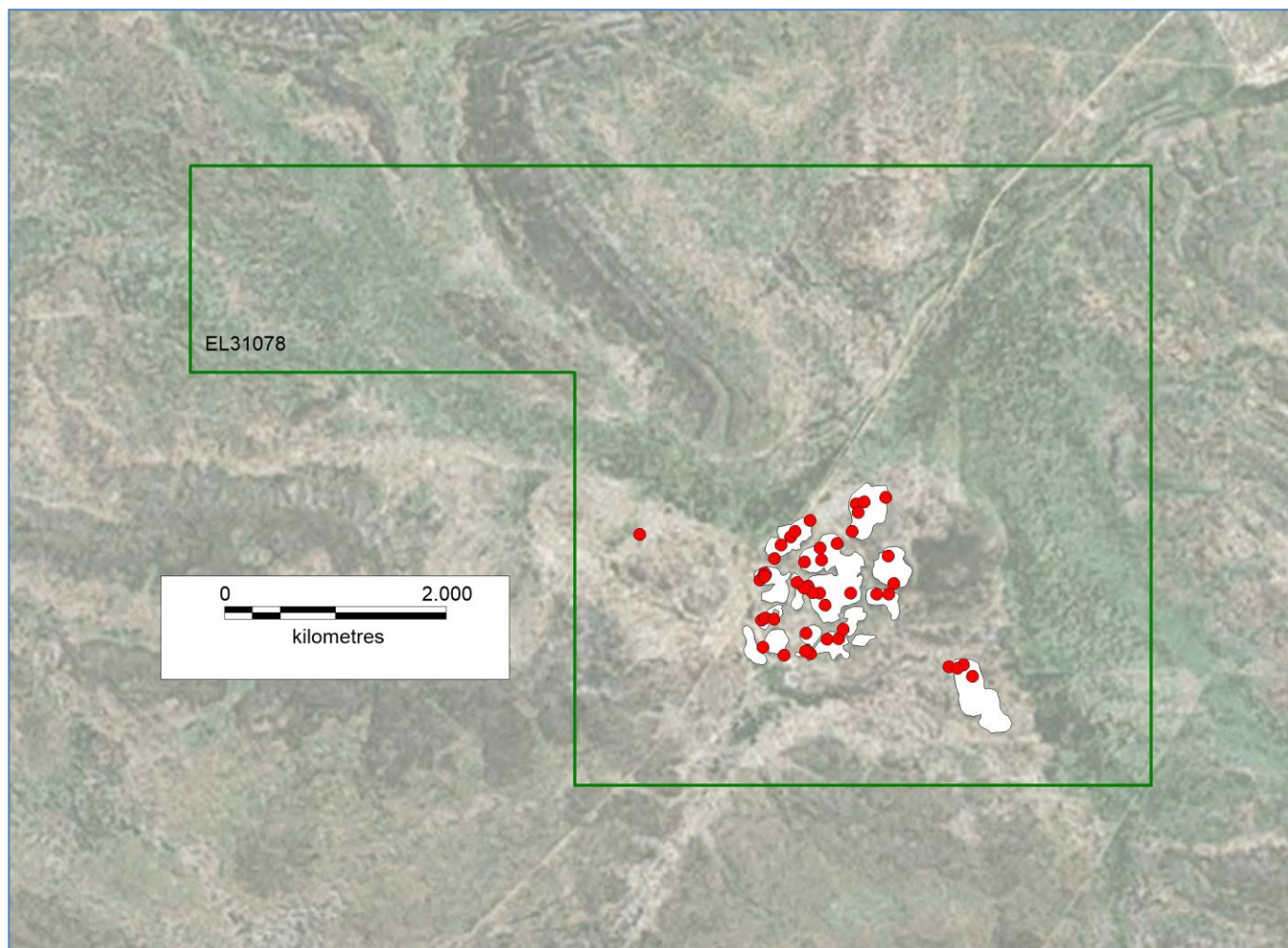


Figure 12. Dingo Hole Silica Project showing sampling to date and minimum extent of outcrop interpreted from satellite imagery.

Samples of Dingo Hole Silica has been utilized in research conducted in conjunction with a Tier 1 Australian University to successfully produce samples of clear glass substrate which may be suitable for use as LED/OLED glass substrate. The proprietary methods developed have enabled the removal of the bubbles associated with small quantities of carbonate elements within the silica which appear when melted at very high temperatures. The glass substrate samples, produced at laboratory scale, align with the high purity chemical and optical qualities required in this market. If these findings can be confirmed at an industrial scale this may open up access to a large, growing and potentially valuable market. Over the coming months, Verdant intends to engage with major LED/OLED glass substrate producers to evaluate and verify the viability of Dingo Hole silica in this market.

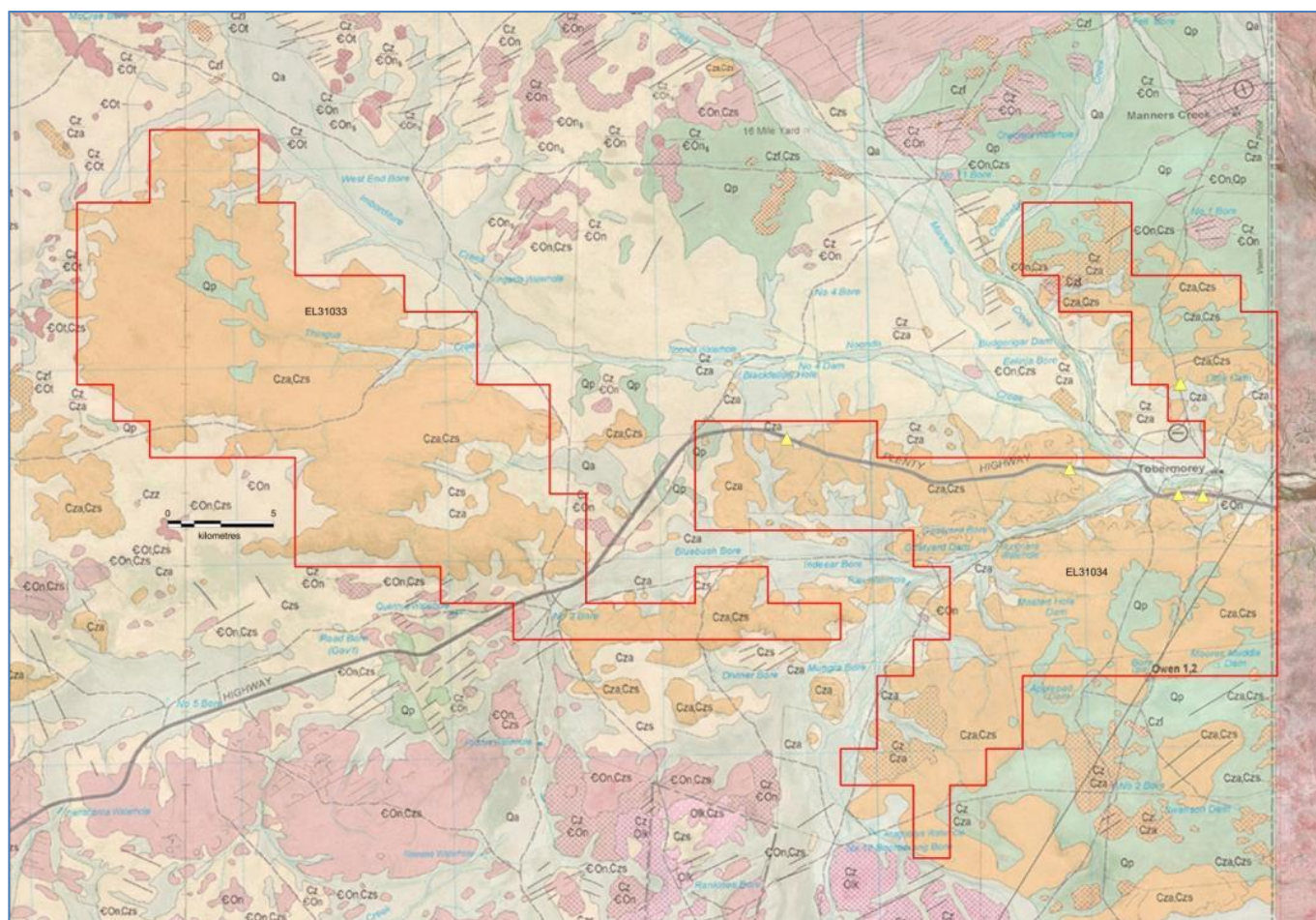


**TOBERMOREY SILICA PROJECT, NT**

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. The grant of the titles has been deferred until the results of the Dingo Hole analytical work are known.

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

Table 12. Tobermorey titles.



**Figure 13. Tobermore Silica Project applications, geology and previous sampling are shown as yellow triangles. The Northern Territory / Queensland border is shown on the right.**



**DNEIPER SILICA PROJECT, NT**

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). The grant of the titles has been deferred until the results of the Dingo Hole analytical and test work are known.

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

Table 13. Dneiper Silica Project titles.

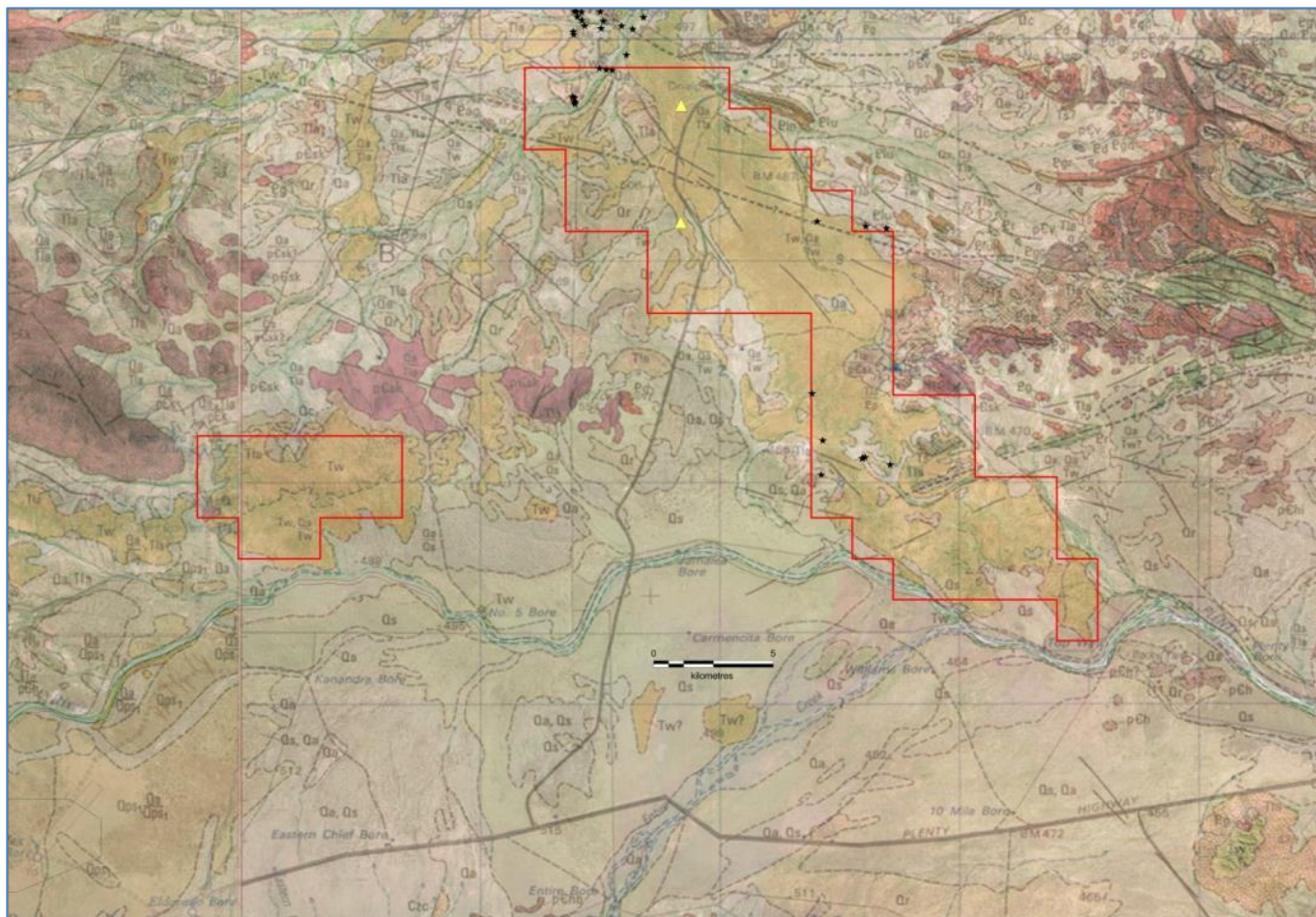


Figure 14. Dneiper Silica Project applications and geology with previous sampling by ABM as black stars and other previous samples as yellow triangles.

## OLD SOUTH ROAD SILICA PROJECT, NT

This single application is along the old abandoned 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 chalcidonic white silica either part of, or above, a silcrete, or with, or without, a limestone host. The grant of the titles has been deferred until the results of the Dingo Hole analytical and test work are known.

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

Table 14. Old South Road silica title.

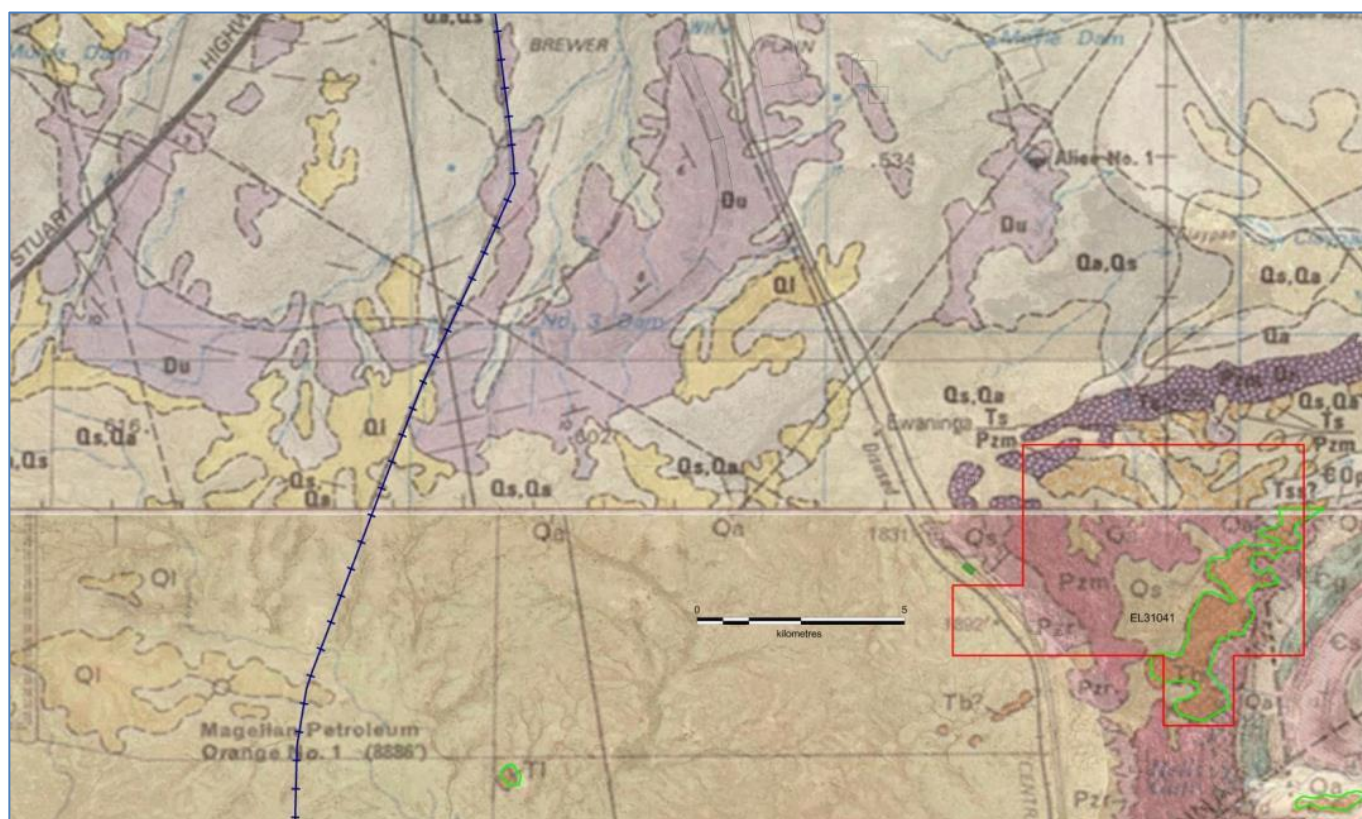


Figure 15. Old South Road Silica application on published geology. TI, outlined in green, is considered the most prospective unit followed by Qs and Ts.



## OTHER COMMODITY PROJECTS

### SILVER VALLEY, NT

This metals EL covers the Murray Downs Dome. Uranium and lithium are not targets.

Tenement	Area km <sup>2</sup>	Blocks	Grant	Expiry	Holder
EL 31340	157.98	50	07/04/2017	06/04/2023	Territory Mining Pty Ltd

Table 15. Silver Valley title.

This exploration licence is on Murray Downs Perpetual Pastoral Lease east of Ali Curung and between Singleton and Ammaroo phosphate projects. In the north, the EL borders Aboriginal Land/Davenport Ranges National Park. An AAPA Register Search has been received and there are no sites of significance on the EL. The EL has a history of small-scale lead mining going back at least to the 1950s and despite the name “Silver Valley” and the high Ag grades, silver was not considered the primary target historically. There are several named Pb-Ag vein prospects called Silver Valley 1-4 and other unnamed outcropping epigenetic polymetallic prospects and occurrences within the EL. There has been no systematic (gridded) surface sampling, no drilling (other than possibly undocumented work in the 1960s at one prospect) and there is no local geophysical data. The area was last worked by unlisted AMI Resources whose selective surface sample assays have been compiled by Verdant Minerals. These are regarded as encouraging for vein-style polymetallic mineralisation. There is an opportunity to use modern geophysics to target mineralisation under cover away from the known surface prospects.

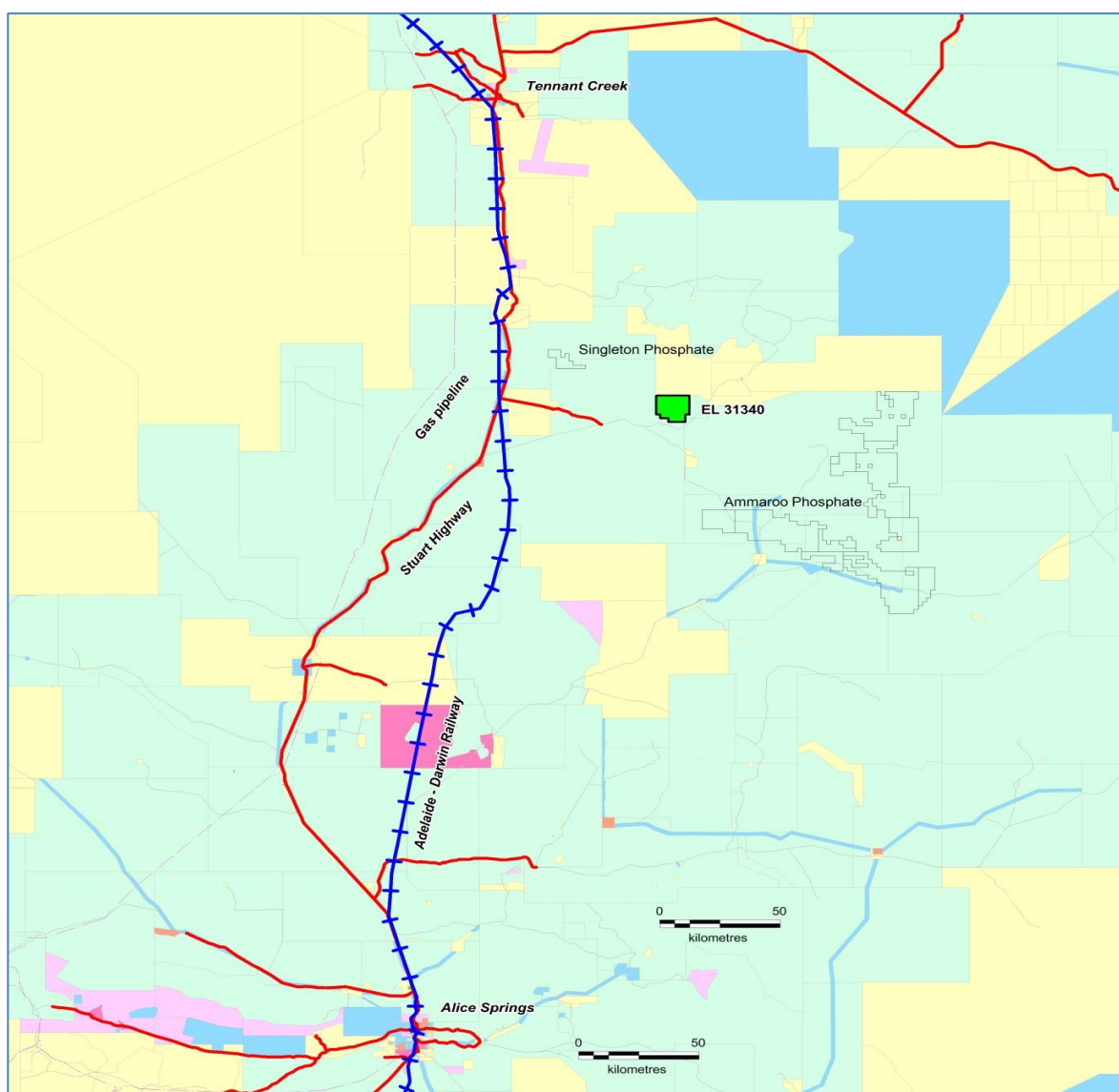


Figure 16. Regional setting of EL 31340 between Tennant Creek and Alice Springs and in close proximity to Territory Phosphate's flagship Ammaroo project. Pastoral Lease is shown in green, Aboriginal Land in yellow and Crown land in blue.



**WESTMORELAND PROJECT, NT**

Tenement	Area km <sup>2</sup>	Blocks	Grant	Expiry	Holder
EL 23573	189.8	65	23/12/2003	22/12/2018	Central Australian Phosphate/Lagoon Ck

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

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## 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	20
Karinga Lakes	0
Dingo Hole	0
<b>Total</b>	<b>20</b>

Table 17. Field hours worked for the Quarter.

## RESOURCE REGISTER as of 31<sup>st</sup> MARCH 2017

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 Pty Ltd	Measured	136	15.4	10	2012	Verdant Minerals 15 March 2017	PFS completed, BFS underway
			Indicated	165	15.5				
			Inferred	840	13				
			Total	1,141	14				
	Ammaroo South, NT	Territory Phosphate Pty Ltd	Inferred	70	13	10	2012	Rum Jungle Resources 12 June 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	Territory Potash Pty Ltd	Measured	5.8	-	3,000	2012	Rum Jungle Resources 20 February 2014	scoping study completed
			Indicated	0.46	-				
			Inferred	2.1	-				
			Total	8.4	av 4,760				

### Notes

Territory Phosphate Pty Ltd and Territory Potash Pty Ltd are wholly-owned subsidiaries of Verdant Minerals Ltd (formerly Rum Jungle Resources Ltd). All resources are listed as of the time of the ASX announcement given above and have not changed materially since. Figures are rounded and totals include rounding errors.



## 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 Verdant Minerals Ltd.

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.



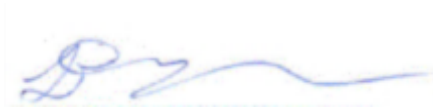
**Jonathon Abbott**

**Consulting Geologist**

**MPR Geological Consulting Pty Ltd**

The information in this report that relates to the potash brine 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

### **Forward Looking Statements**

*This announcement has been prepared by Verdant Minerals Ltd. It is not intended to be and does not constitute an offer to sell, or a solicitation of an offer to buy or sell, Verdant Minerals' securities.*

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Chris Tziolis  
Managing Director

## TENEMENT ACTIVITIES FOR THE QUARTER

Territory Phosphate Pty Ltd			
Date	Tenement	Project	Action
-	-	-	Nil activities for the Quarter

Territory Potash Pty Ltd			
Date	Tenement	Project	Action
-	-	-	Nil activities for the Quarter

Territory Mining Pty Ltd			
Date	Tenement	Project	Action
-	-	-	Nil activities for the Quarter

Central Australian Phosphate Pty Ltd			
Date	Tenement	Project	Action
-	EL 23573	Westmoreland JV	Nil activities for the Quarter