



15<sup>th</sup> December 2011

ASX Code: NUP

Capital Details

Shares on issue: 449.3 million

Share Price: \$0.032

Market cap: \$14.4million

Directors

**Chairman**

Robert Owen

**Managing Director**

Andrew Johnstone

**Non-Executive Directors**

Ian Kowalick

John Jackson

Mick Muir

Company Secretary

Anthony Schildkraut

Phosphate Projects

**Arganara**

**Lucy Creek**

**Warrabri**

*NuPower Resources Limited is a Northern Territory based Exploration company. Our vision is to become a successful exploration and mining company with superior cash flows.*

## ASX ANNOUNCEMENT / MEDIA RELEASE

- **New Assays Extend High Grade Arganara Phosphate Over 3.2km**
- **Mineralisation Remains Open to East and South**

NuPower is pleased to announce that it has received and assessed its second batch of assay results from ALS in Brisbane for the 2011 Arganara drill programs.

The new assay results have extended the phosphate footprint at Arganara a further 1km to the East and mineralisation remains open to the East and South. The phosphate footprint now covers an area 3km by 3.2km.

Results cover an additional 69 holes and include more high grade phosphate intersections above 30% P<sub>2</sub>O<sub>5</sub> (Phosphate) and thick zones of mineralisation with average grades above 20% P<sub>2</sub>O<sub>5</sub> in many holes. The results further confirm the potential of the Arganara area to host a large body of phosphate mineralisation. Better intersections include:

**ARC074: 10m @ 21.7% P<sub>2</sub>O<sub>5</sub> from 9m including 1m @ 32.7% P<sub>2</sub>O<sub>5</sub>**

**ARC075: 5m @ 28.6% P<sub>2</sub>O<sub>5</sub> from 20m including 2m @ 34.6% P<sub>2</sub>O<sub>5</sub>**

**ARC185: 7m @ 24.8% P<sub>2</sub>O<sub>5</sub> from 34m including 2m @ 35.3% P<sub>2</sub>O<sub>5</sub>**

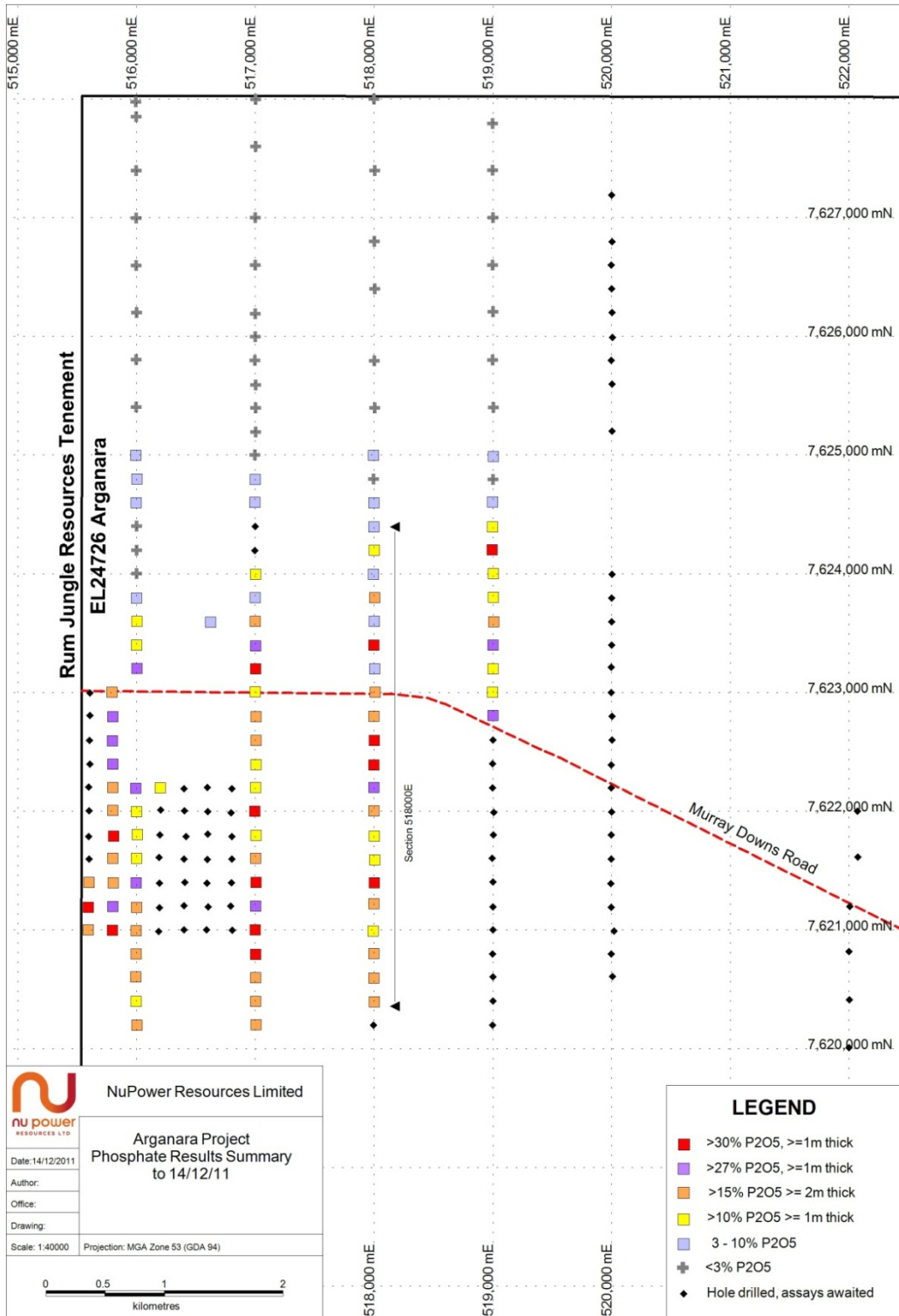
Andrew Johnstone, Managing Director for NuPower commented:

“The new assays have delivered excellent results in terms of grade and thickness. Our results look very similar to the neighbouring high grade phosphate bearing JORC resource that sits directly west of Arganara. We now have a 3km wide zone of phosphate mineralisation in a North South direction extending over 3.2km East from the tenement boundary, and it continues to remain open to the East and South. We are also seeing consistent high grade zones (greater than 30%) over adjacent holes within this zone. I am really looking forward to our third batch of results which should be delivered in the next few weeks. By the end of January 2012 NuPower will have assays returned for most of its drilling, which covers an area with a strike length over 30km.

Confidence in field observations continue to grow as lab assays meet or exceed our expectations. We are starting to examine marketing and development options based on the discovery of a large high grade phosphate system.”

## Second Batch of Assays from Arganara Drill Program

The second batch of results (69 holes) complete the second, third and the northern portion of the fourth 1km lines East of the Barrow Creek 1 JORC phosphate resource. Assays above 27% P<sub>2</sub>O<sub>5</sub> were returned in 11 of the new holes, including 7 holes with assays above 30% P<sub>2</sub>O<sub>5</sub> (red squares). Holes still waiting for analysis/assays pending are shown as small black diamonds (Figure 1 below).



(Figure 1)

Level 3, 80 Clarence St, Sydney, NSW 2000  
STREET ADDRESS  
PO Box R1753, Royal Exchange, NSW 1225  
MAIL ADDRESS

+61 2 9262 4235  
TELEPHONE  
+ 61 2 9262 6301  
FACSIMILE

info@nupowerresources.com.au  
EMAIL  
120 787 859  
ACN

## Highlights

The best intersections from the second batch of assays are presented in Table 1. Intersections have been calculated using a 15% P<sub>2</sub>O<sub>5</sub> cut-off with 2m of 10% internal dilution, some high grade individual intersections are averaged out in these results. Section 518000E (Figure 2), shows individual assay results for each hole on the third 1km spaced line and demonstrates the consistent nature of mineralisation between 200m spaced holes, location of line 518000E is shown in Figure 1.

Hole	East	North	From (m)	To(m)	Interval(m)	P <sub>2</sub> O <sub>5</sub> (%)	
ARC074	518002	7622598	9	19	10	21.7	includes 1m @ 32.7%
ARC075	517999	7622391	20	25	5	28.6	includes 2m @ 34.6%
ARC076	518000	7622199	14	21	7	21.9	
ARC080	518002	7621399	14	18	4	22.7	Includes 1m @ 32.3%
ARC083	518000	7620801	19	25	6	18.9	
ARC101	519001	7622806	10	14	4	23.0	
ARC104	519001	7623401	14	18	4	21.6	
ARC108	518993	7624202	7	10	3	23.7	Includes 1m @ 30.8%
ARC185	515594	7621191	34	41	7	24.8	includes 2m @ 35.3%
ARC187	515796	7620999	29	32	3	27.0	includes 2m @ 31.4%
ARC189	515804	7621399	27	30	3	23.9	

Table1, 15% Cutoff, includes up to 2m @ 10% internal dilution

## 2011 Arganara Drill Program

A total of 357 holes for 12,602m were drilled during the Arganara Phase 1 and Phase 2 drill programs, and took a total of 68 days to complete. Figure 3 shows the total drill program.

The Phase 1 program was designed to test the Eastern extension of the Barrow Creek 1 phosphate resource discovered immediately to the West of the NuPower Arganara tenement. Five North South 1km spaced lines with holes generally at 200m spacing along them was considered the best balance between detail and cost to assess the potential of the area and define a clear phosphate footprint. Infill drilling at 200x200m spacing was also completed during Phase 1 aimed at showing mineralisation is consistent between the wider spaced 1km lines. Assay results for the last of the 1km spaced lines and most of the infill are still pending.

The Phase 2 program which followed immediately after Phase 1 was designed to test further easterly extensions of phosphate mineralisation along the prospective northern margin of the Georgina Basin extending from Arganara eastward for approximately 26km. Drilling in this area was completed along North South lines generally spaced 4km apart with holes at 400m spacing along each line. The Phase 2 program also targeted the Limestone Bore, located 27km East South East of the Barrow Creek 1 /NuPower Phase 1 drilling. At Limestone Bore historic drilling by VAM in the 1970s intersected phosphate mineralisation and initial Nupower exploration confirmed the results with surface rock chip assays up to 17% P<sub>2</sub>O<sub>5</sub>. Drilling at the Limestone Bore area was completed along North East trending lines spaced between 1 and 2km apart. Holes were drilled at either 200 or 400m spacing's along these lines. Assay Results for the Phase 2 program are expected in the new year (January 2012).

## **Drilling Procedures, Sampling, Analysis, Quality Control/Quality Assurance (QA/QC)**

Every metre drilled has been sampled using a rig mounted splitter, weighed and sent to ALS in Brisbane to be assayed by XRF technique for the following suite of elements : Al<sub>2</sub>O<sub>3</sub>, CaO, Fe<sub>2</sub>O<sub>3</sub>, K<sub>2</sub>O, MgO, MnO, Na<sub>2</sub>O, P<sub>2</sub>O<sub>5</sub>, SiO<sub>2</sub>, TiO<sub>2</sub>, U. A QA/QC procedure of inserting two phosphate standards and one blank for every 25 samples, and one duplicate per hole was followed. A hand held field XRF unit was also used to detect the presence of Phosphate in most metres drilled. The results assisted in determining what depth holes should be stopped, whether planned holes should actually be drilled, and to assist in the general understanding of the Arganara geology.

The Field XRF unit is an Olympus Innov-X Delta specifically calibrated for phosphate and light elements. The field results are only an indication of phosphate present and Lab based XRF analysis being carried out by ALS in Brisbane determine final grade in all samples taken.

As new assays are returned from the lab over Christmas and into January 2012, Nupower will continue to update the market.

Signed:

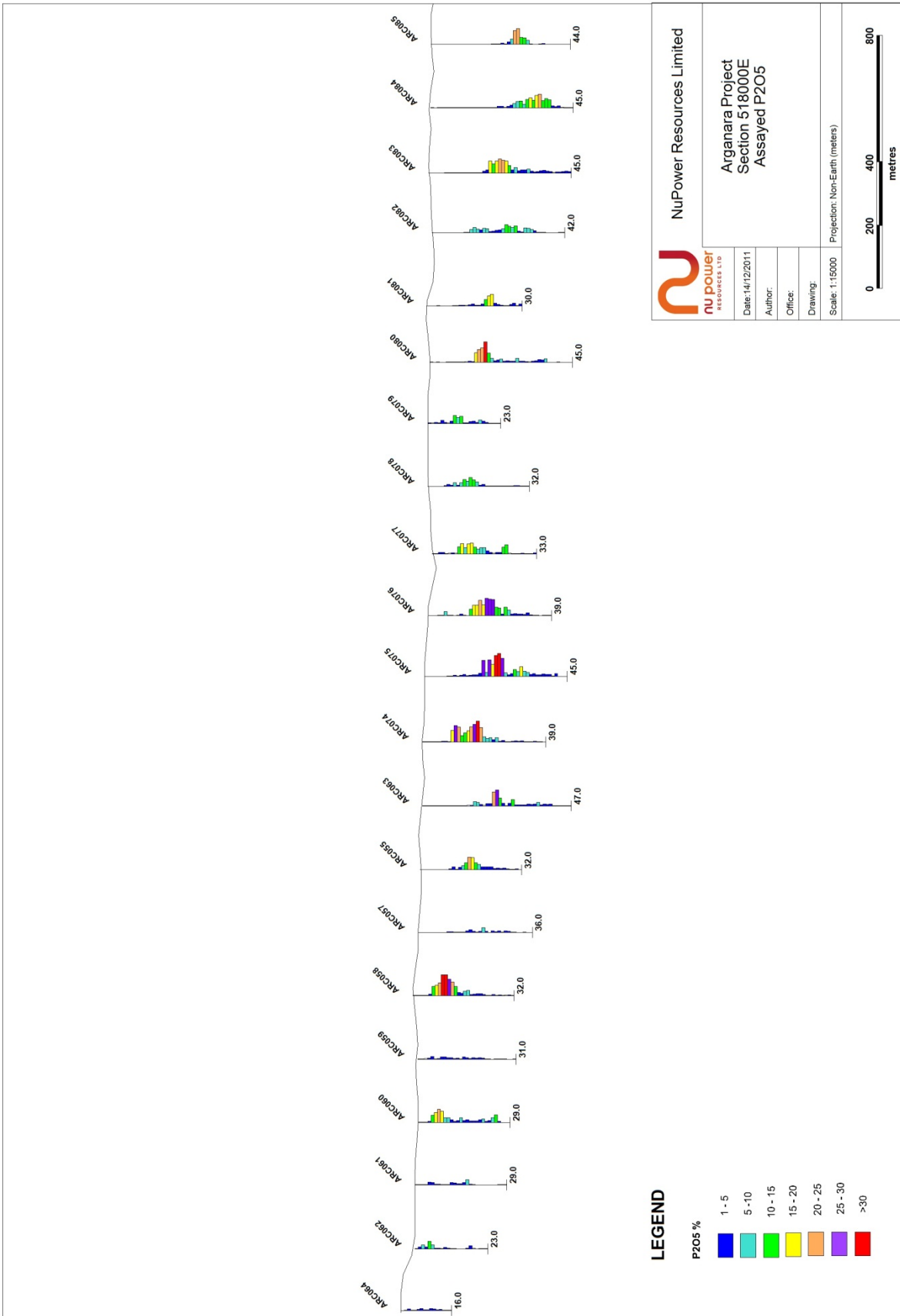


Andrew Johnstone

**Managing Director**

*The information in this document that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Andrew Johnstone, who is a Member of the Australian Institute of Geoscientists. Andrew Johnstone has sufficient experience which 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 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Andrew Johnstone, who is an officer of the Company, consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*

*This release contains forward-looking statements. The actual results could differ materially from a conclusion, forecast or projection in the forward-looking information. Certain material factors or assumptions were applied in drawing a conclusion or making a forecast or projection as reflected in the forward-looking information.*

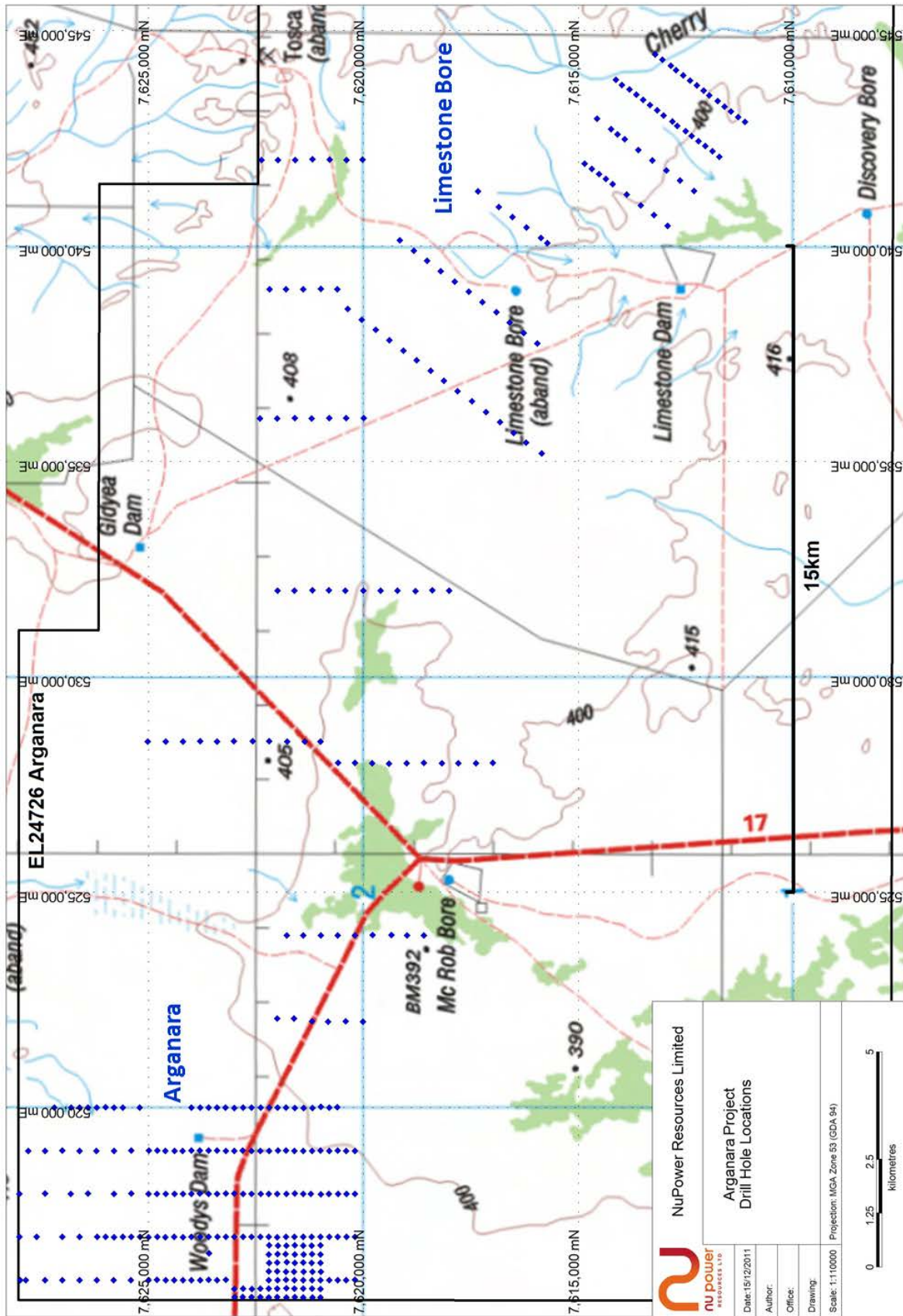


(Figure 2)

Level 3, 80 Clarence St, Sydney, NSW 2000  
STREET ADDRESS  
PO Box R1753, Royal Exchange, NSW 1225  
MAIL ADDRESS

+61 2 9262 4235  
TELEPHONE  
+ 61 2 9262 6301  
FACSIMILE

info@nupowerresources.com.au  
EMAIL  
120 787 859  
ACN



(Figure3)

Level 3, 80 Clarence St, Sydney, NSW 2000  
 STREET ADDRESS  
 PO Box R1753, Royal Exchange, NSW 1225  
 MAIL ADDRESS

+61 2 9262 4235  
 TELEPHONE  
 + 61 2 9262 6301  
 FACSIMILE

info@nupowerresources.com.au  
 EMAIL  
 120 787 859  
 ACN