



17<sup>th</sup> January 2012

ASX Code: NUP

Capital Details

Shares on issue: 449.3 million

Share Price: \$0.034

Market cap: \$15.3million

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

- **High Grade Arganara Phosphate Extended Over 4.2km**
- **Mineralisation Remains Open to East and South**

NuPower is pleased to announce that it has received and assessed its third batch of Arganara assay results from the 2011 drill program.

The new assay results have extended the phosphate footprint at Arganara a further 1km to the East. The Arganara phosphate mineralisation now covers an area of 4 km by 4.4 km and clearly remains open to the East and South.

The new assay results cover an additional 63 holes and include important high grade phosphate intersections above 30% P<sub>2</sub>O<sub>5</sub> (Phosphate) plus more thick zones of mineralisation with average grades above 20% P<sub>2</sub>O<sub>5</sub>. The results support the potential of Arganara to host a large body of phosphate mineralisation. Better intersections include:

**ARC180: 5m @ 29.3% P<sub>2</sub>O<sub>5</sub> from 14m including 2m @ 33.9% P<sub>2</sub>O<sub>5</sub>**

**ARC200: 6m @ 26.7% P<sub>2</sub>O<sub>5</sub> from 25m including 3m @ 32.5% P<sub>2</sub>O<sub>5</sub>**

**ARC354: 6m @ 25.8% P<sub>2</sub>O<sub>5</sub> from 24m including 2m @ 32.9% P<sub>2</sub>O<sub>5</sub>**

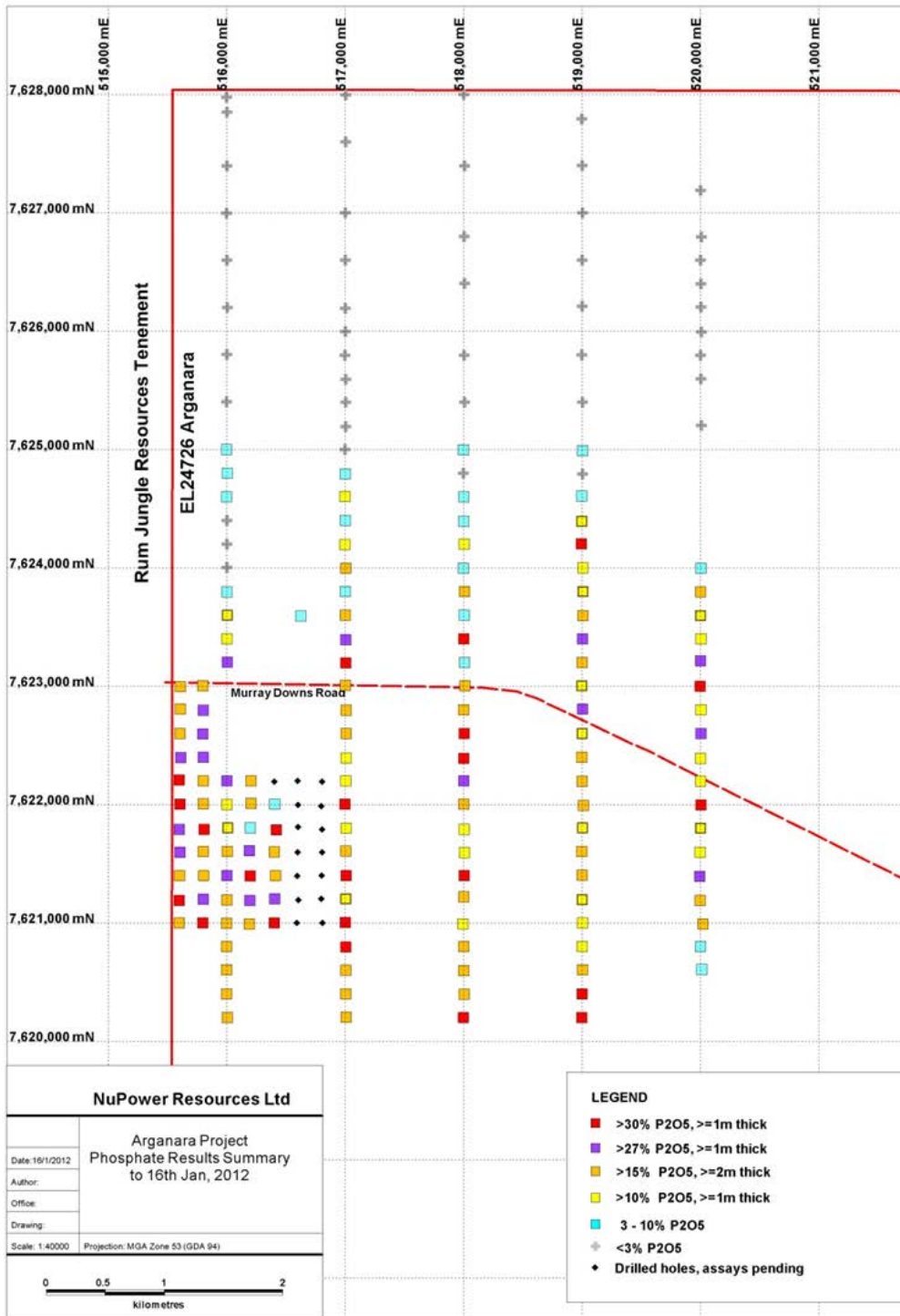
NuPower has received back 57% of all samples submitted (nearly 100% of the Phase 1 drill program). Results from Phase 2 drilling further to the East at Central Arganara and Limestone Bore are expected over the coming weeks.

Andrew Johnstone, Managing Director for NuPower commented:

“We continue to receive excellent results from the 2011 Arganara drill program. Our results clearly show the high grade phosphate bearing JORC resource that sits directly west of Arganara extends onto our tenement. NuPower now has a 4km wide zone of high grade phosphate mineralisation extending over 4.4km and it still remains open to the East and South. The next batches of results expected over the coming weeks will see us making bigger steps to the east with fences of holes spaced at either 2km or 4km as we move towards Limestone Bore. Our phosphate footprint has potential to grow very rapidly with positive results. By the end of January 2012 NuPower will have assays returned for most of its 2011 drilling, which covers an area with a strike length of over 30km.”

### Third Batch of Assays from Arganara Drill Program

The third batch of results (63 holes) complete the third, fourth and fifth 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 19 of the new holes, including 10 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, only 15 remain as part of the 200m x 200m detailed grid (Figure 1 below). In total 205 holes were drilled during phase 1 at Arganara.



(Figure 1)

## Highlights

The better intersections from the 3<sup>rd</sup> batch of assays are presented in Table 1. Intersections have been calculated using a 15% P2O5 cut-off with 2m of 10% internal dilution, some high grade individual intersections are averaged out in these results.

Hole	East	North	From (m)	To (m)	Interval (m)	P2O5 (%)	
ARC180	515596	7622205	14	19	5	29.3	includes 2m @ 33.9% from 17m
ARC090	519996	7623000	12	15	3	28.3	includes 2m @ 30.3% from 12m
ARC196	516189	7621611	23	25	2	27.8	
ARC200	516399	7621001	25	31	6	26.7	includes 3m @ 32.5% from 26m
ARC354	516415	7621787	24	30	6	25.8	includes 2m @ 32.9% from 24m
ARC197	516194	7621395	24	29	5	25.7	includes 2m @ 30.3% from 26m
ARC351	516401	7621204	22	25	3	25.3	
ARC169	520001	7621995	23	30	7	24.9	
ARC086	517995	7620200	20	26	6	24.8	includes 2m @ 30.4% from 23m
ARC181	515601	7622004	13	19	6	24.5	includes 2m @ 31.9% from 16m

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

## 2011 Arganara Drill Program

A total of 357 holes for 12602m were drilled during the Arganara Phase 1 and Phase 2 drill programs, as shown in Figure 2.

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 were drilled to assess the potential. Infill drilling at 200x200m spacing between the wider spaced 1km lines was also completed during Phase 1. Only Assay results for the last 15 holes of the 200x200m infill drilling are pending, otherwise all the Phase 1 assays have been returned.

The Phase 1 Arganara program has clearly shown the high grade Barrow Creek 1 mineralisation extends onto NuPower's Arganara tenement for over 4.4km with a North South width of 4km and remains open to the South and East. Infill drilling during 2012 will be aimed at defining a JORC resource at Arganara.

The Phase 2 program 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 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 by the end of 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 results are only an indication of phosphate present and Lab based XRF analysis being carried out by ALS in Brisbane which will determine final grade in all samples taken.

As new assays are returned from the lab during January, Nupower will continue to update the market.

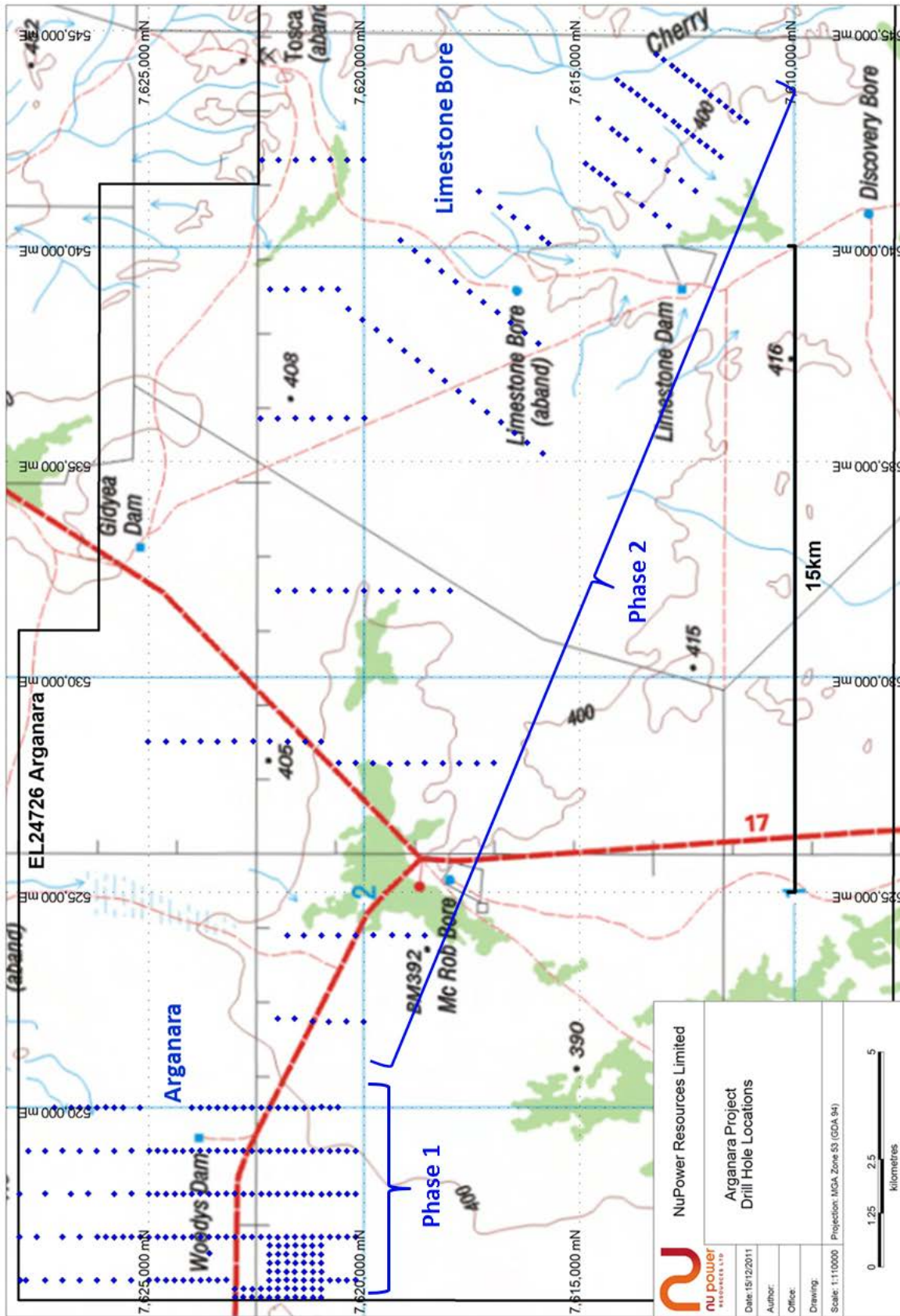
Signed:



**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.*



(Figure2)

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