



nupower

RESOURCES LTD



Phosphate Projects - July 2012

NuPower - A Northern Territory Phosphate Focused Company

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NuPower Competent Person's Statement

The information in this presentation that relates to Exploration Results and Mineral Resources is based on information compiled by Mr Andrew Johnstone who is an Officer of the Company. Mr Johnstone is a Member of the Australian Institute of Geoscientists. Mr 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'. Mr Johnstone consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.

NuPower - Presentation Focus

NUPOWER – Company Snapshot

- Directors, Capital Structure, Share Price

NUPOWER – Phosphate Projects

- Phosphate (100% owned)
 - Arganara
 - Lucy Creek
 - Warrabri

NUPOWER – Development

- Growth & Development Strategy

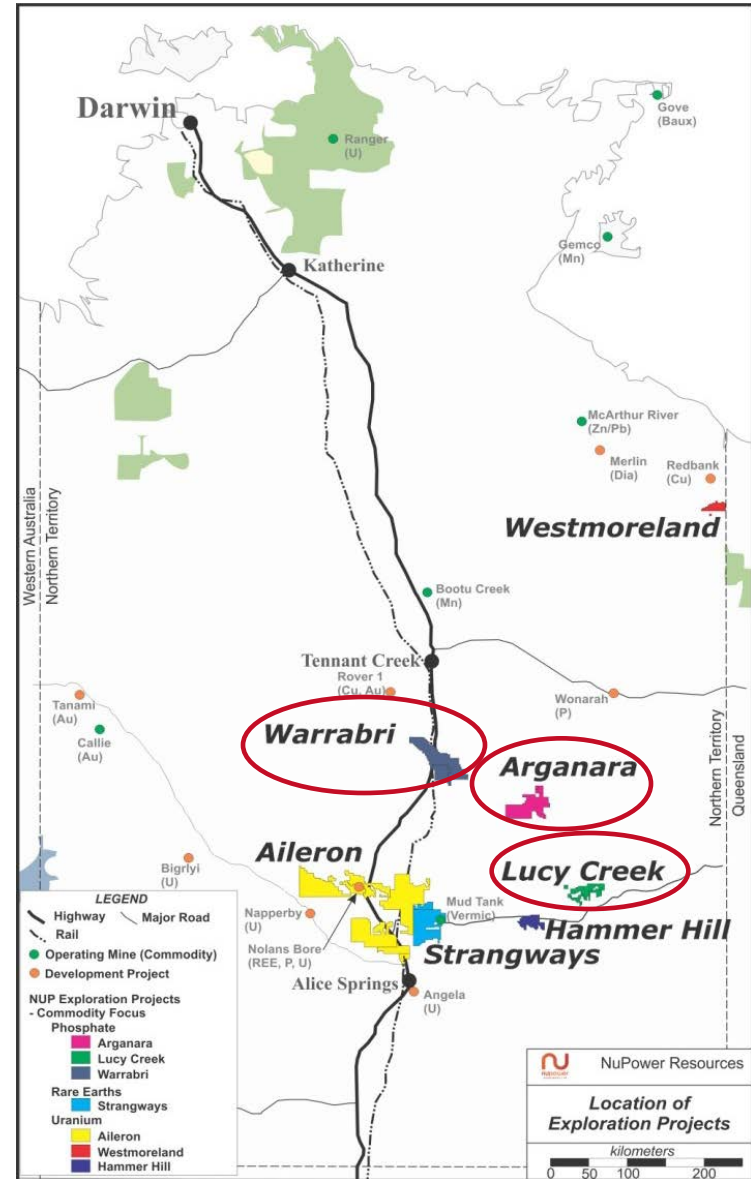
NuPower Assets not covered in this presentation

Rare Earths:

- Strangways
- Hammer Hill

Uranium:

- Westmoreland – Lagoon Creek
- Aileron (ASSA – Arafura)



NuPower

ASX: NUP

Market Cap

\$9.0 million

(share price 2.0c)

Shares on Issue:

449.3 million

Unlisted options

5 million

(exp: 6/2013 @ 3.5c)

Cash:

\$1.4 million

Experienced Board and Management Team

Bob Owen	Chairman
Andrew Johnstone	Managing Director
John Jackson	Non-executive Director
Ian Kowalick	Non-executive Director
Mick Muir	Non-executive Director
Anthony Schildkraut	Company Sec. CFO



Andrew Johnstone (Managing Director): a mining and resources executive with 20 years experience including: Exploration Manager, Chief Operating Officer, General Manager and Board positions in ASX listed exploration and mining companies.

Grant Davey (Chief Geologist): a chief geologist with over 30 years experience in the exploration and mining industry covering a wide range of commodities and projects from grass-roots exploration to development and mining

Andrew Crispe (Resource Development Manager): a geologist with over 20 years experience in the exploration and mining industry, Most recently Andrew had an important role at Atlas Iron: validating, building and developing their impressive resource base.

NuPower – Phosphate Projects – Northern Territory

Outstanding Phosphate Projects close to transport infrastructure

Arganara and **Lucy Creek Projects** are both capable of delivering large phosphate deposits with DSO potential (DSO - greater than 30% P₂O₅). Arganara Prospect is only ~120km by Road from the Stewart Highway and Darwin to Adelaide rail line.

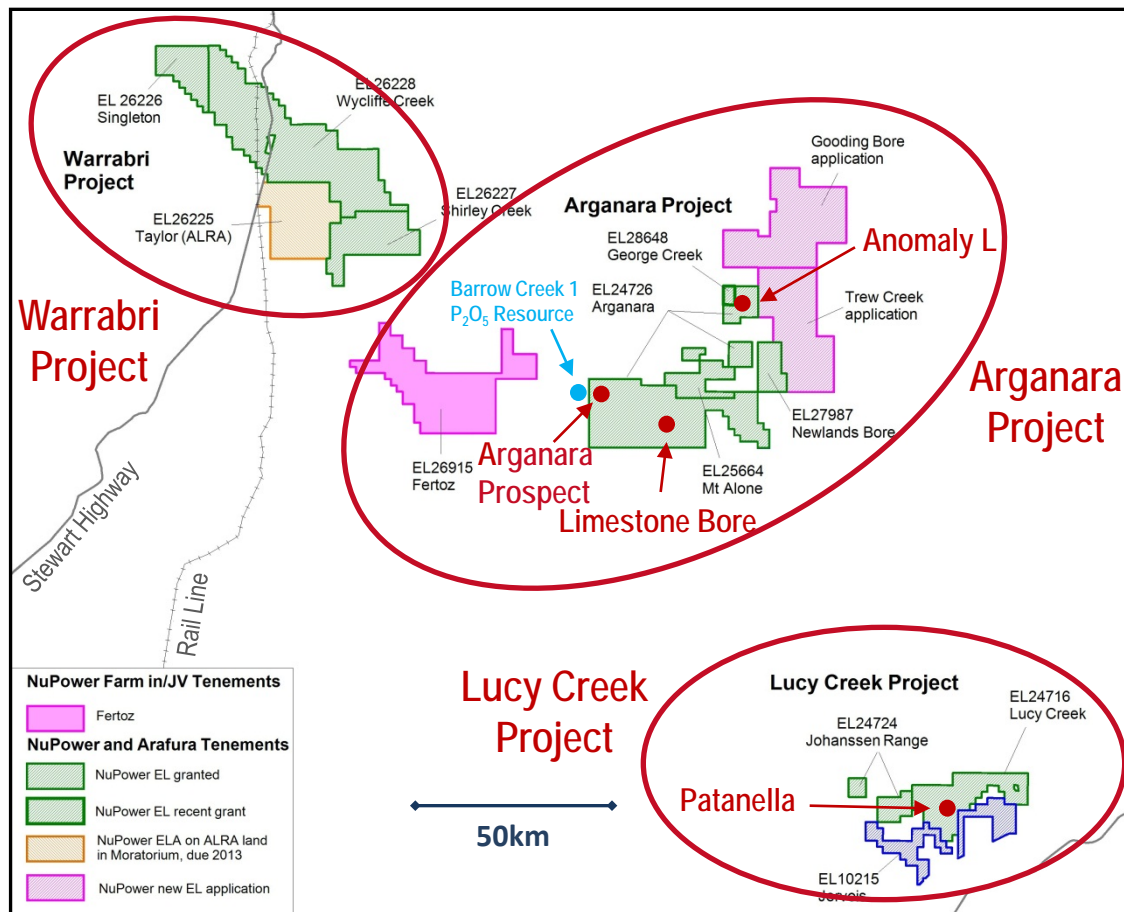
Arganara and **Lucy Creek Projects** both lie in the Georgina Basin phosphate province which hosts a number of billion ton phosphate deposits plus Operating Phosphate Mines.

The **Arganara Prospect** is located immediately beside the Barrow Creek 1 (BC1) JORC P₂O₅ Resource (253mt @ 15% at 10% cut off).

Arganara Project exploration drilling has clearly shown phosphate extends from **Arganara Prospect** to **Limestone Bore** over 27km

NuPower 2011 and 2012 drilling has now defined a 29.4km² high grade P₂O₅ footprint at **Arganara Prospect**.

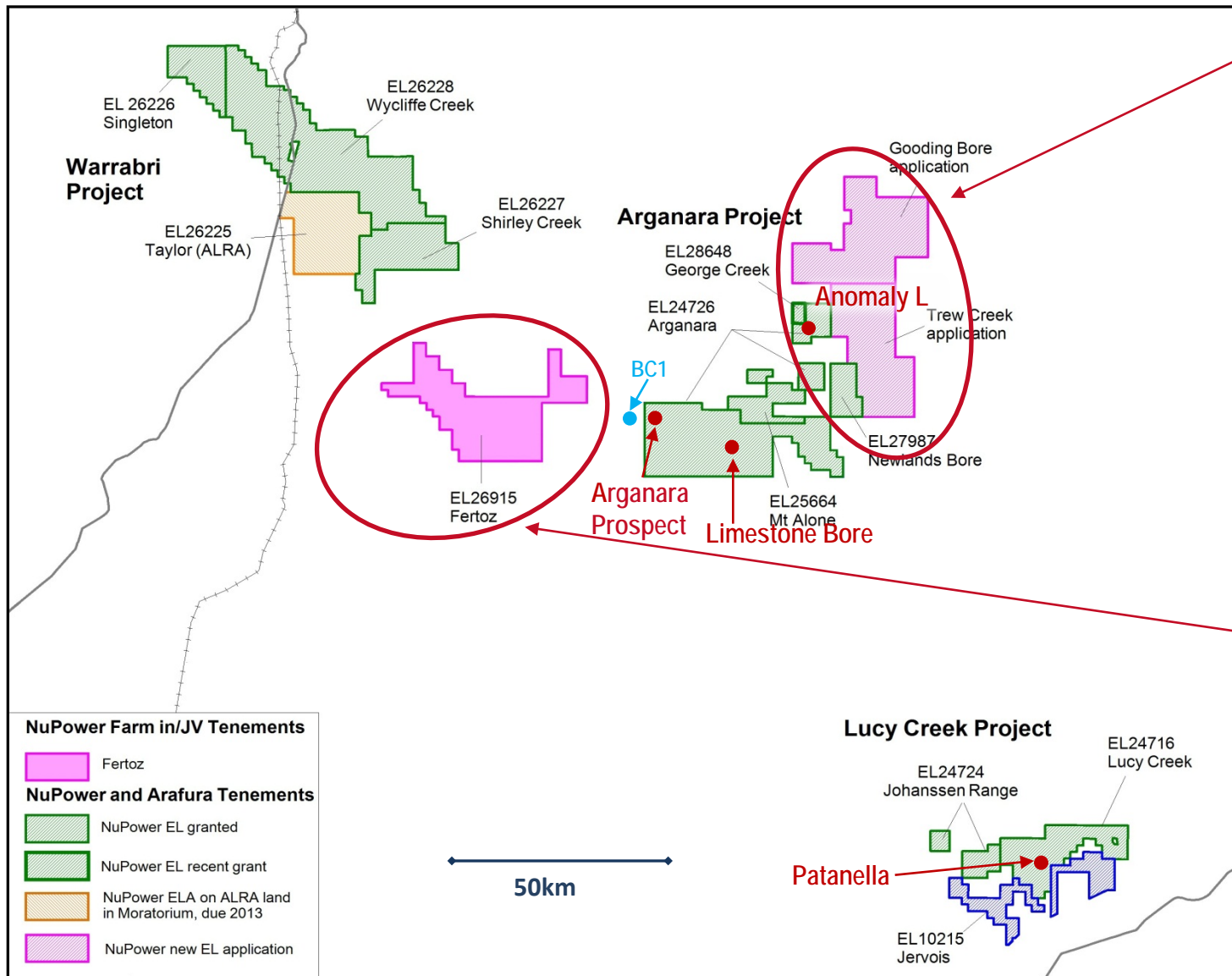
In early 2012 NuPower has secured the **Barra JV** with Fertoz Pty Ltd, and pegged the Gooding Bore and Trew creek exploration leases east of **Anomaly L**



At **Lucy Creek Project** NuPower has also confirmed phosphate and completed a small drill program showing significant phosphate grades at the **Patanella Prospect** (>30% P₂O₅)

NuPower also has historic phosphate recorded on its **Warrabri Project** which lies on the Stewart Highway and Darwin to Adelaide rail line

New Phosphate Applications and Fertoz Barra JV

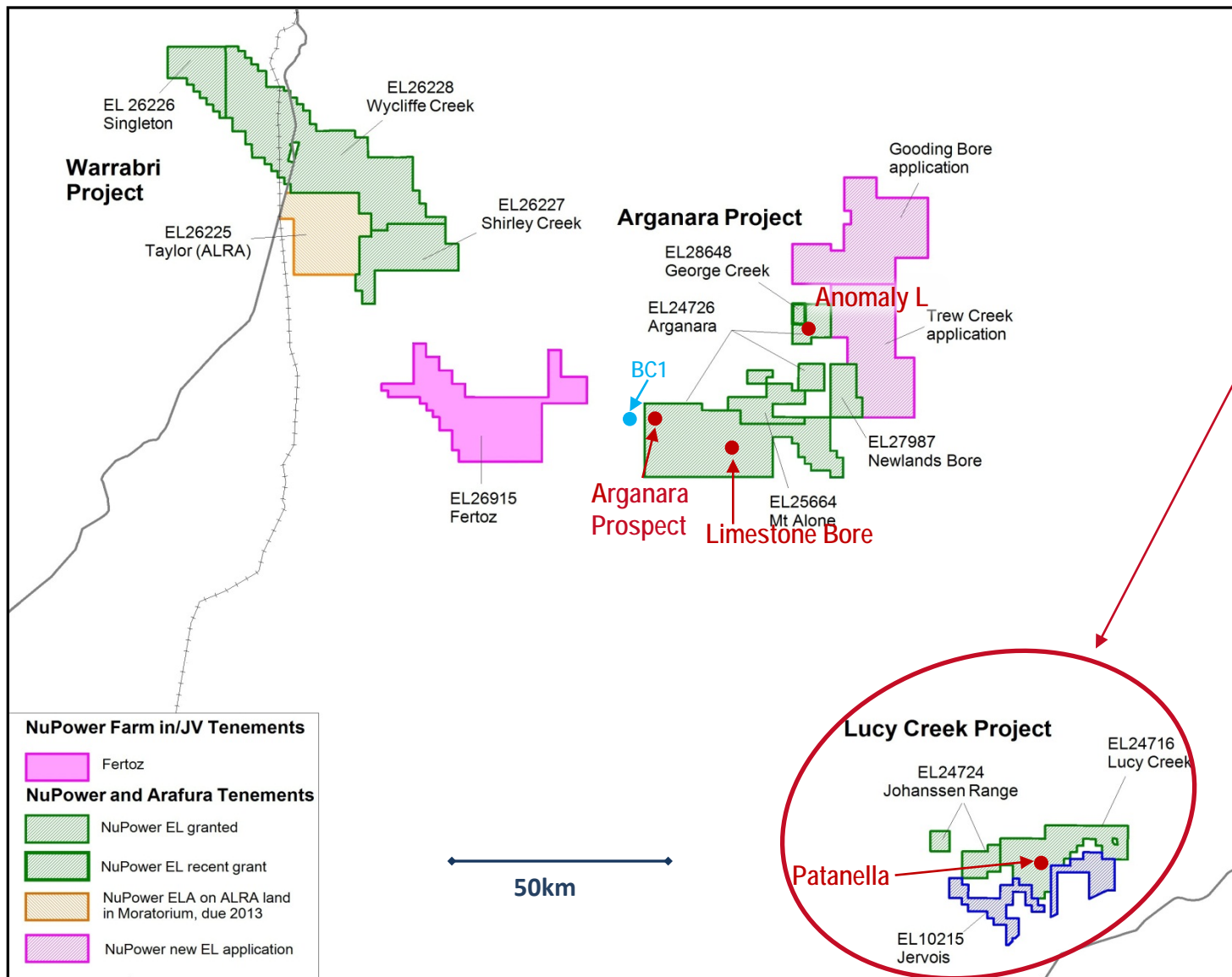


Gooding Bore and Trew Creek

Exploration Licences were applied for to cover interpreted extensions of the phosphate host geology found at **Anomaly L**.

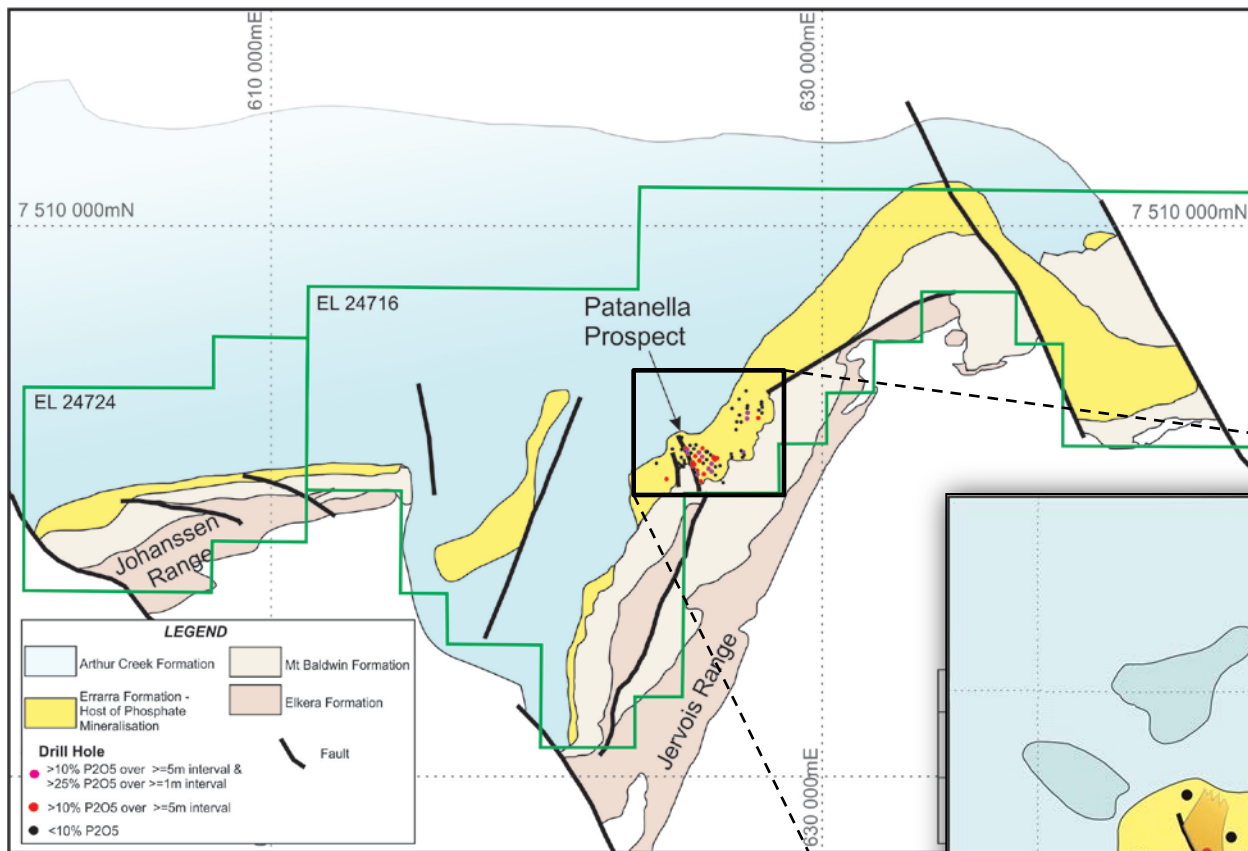
Fertoz Barra JV was negotiated with Fertoz in March 2012 to explore interpreted extensions of the Arganara Phosphate host geology across EL26915.

Lucy Creek Phosphate Project



At **Lucy Creek Project** Nupower has also confirmed phosphate and completed a small drill program showing significant phosphate grades at the **Patanella Prospect** (>30% P₂O₅)

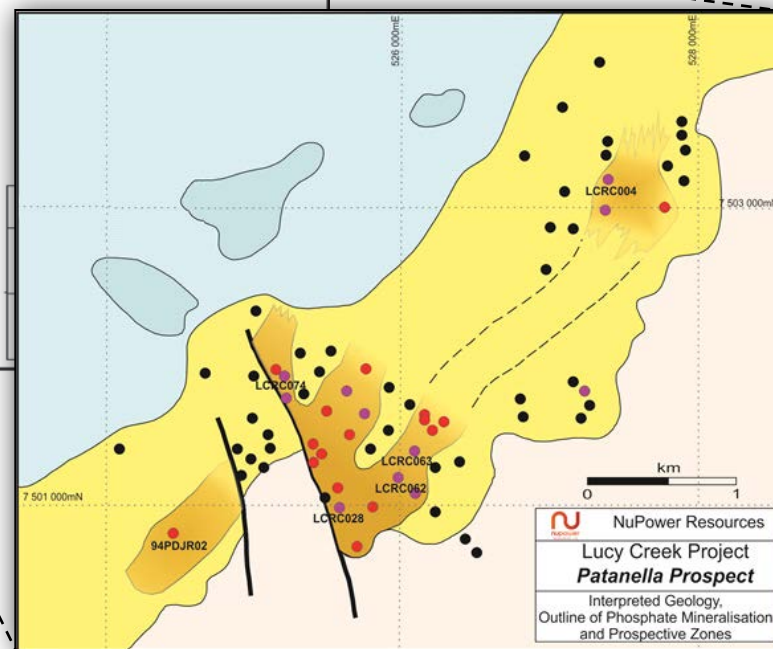
Lucy Creek - DSO Phosphate Intersected



At **Lucy Creek** in 2009 Nupower drilled significant thickness of shallow, high grade phosphate

- 10m @ 32.0% P₂O₅ from 20m
- 5m @ 30.6% P₂O₅ from 5m
- 5m @ 29.6% P₂O₅ from 5m

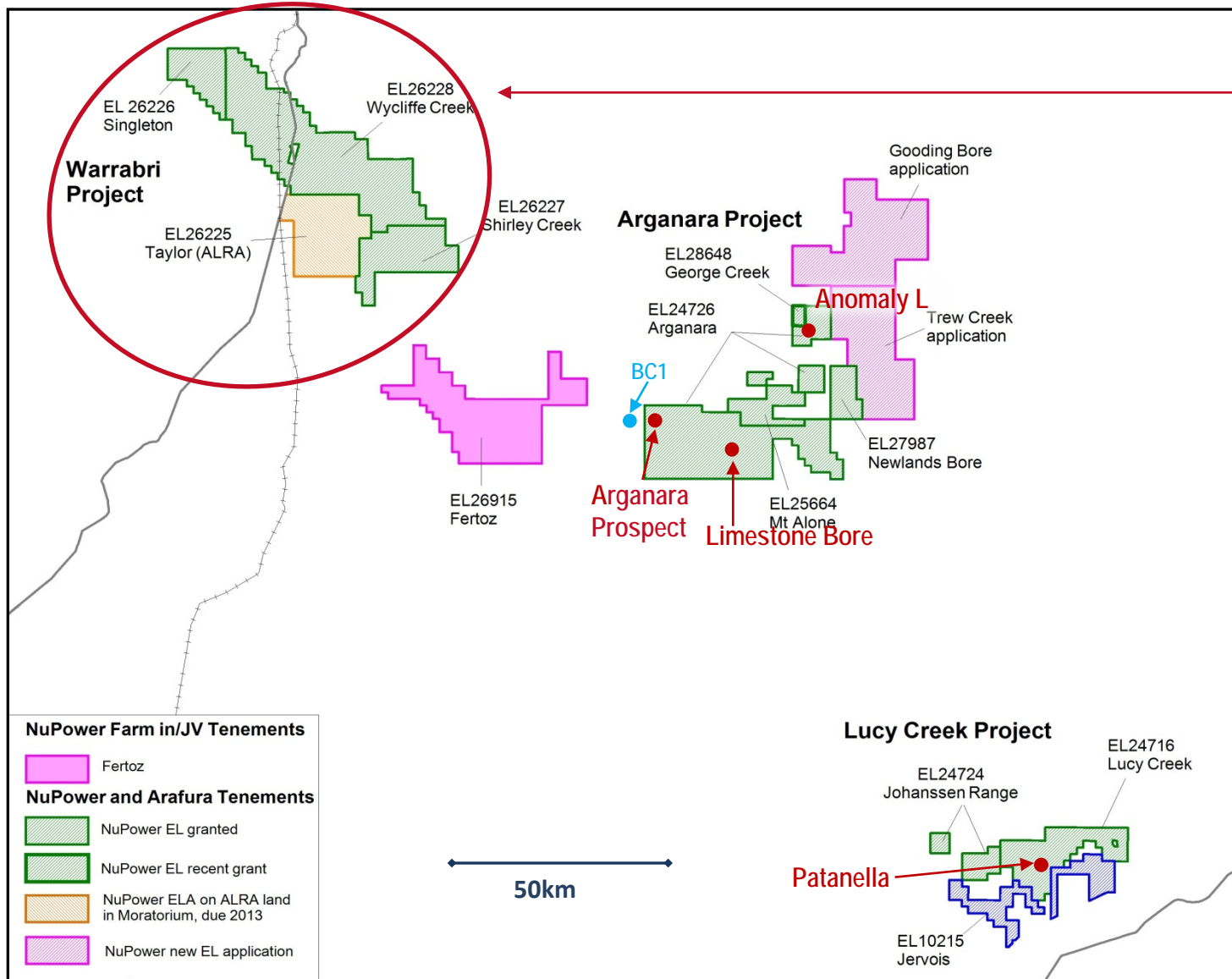
35km only ~ 5km currently tested



Exploration is required to define extent of phosphate at **Patanella** and along 35km horizon (yellow in fig.)

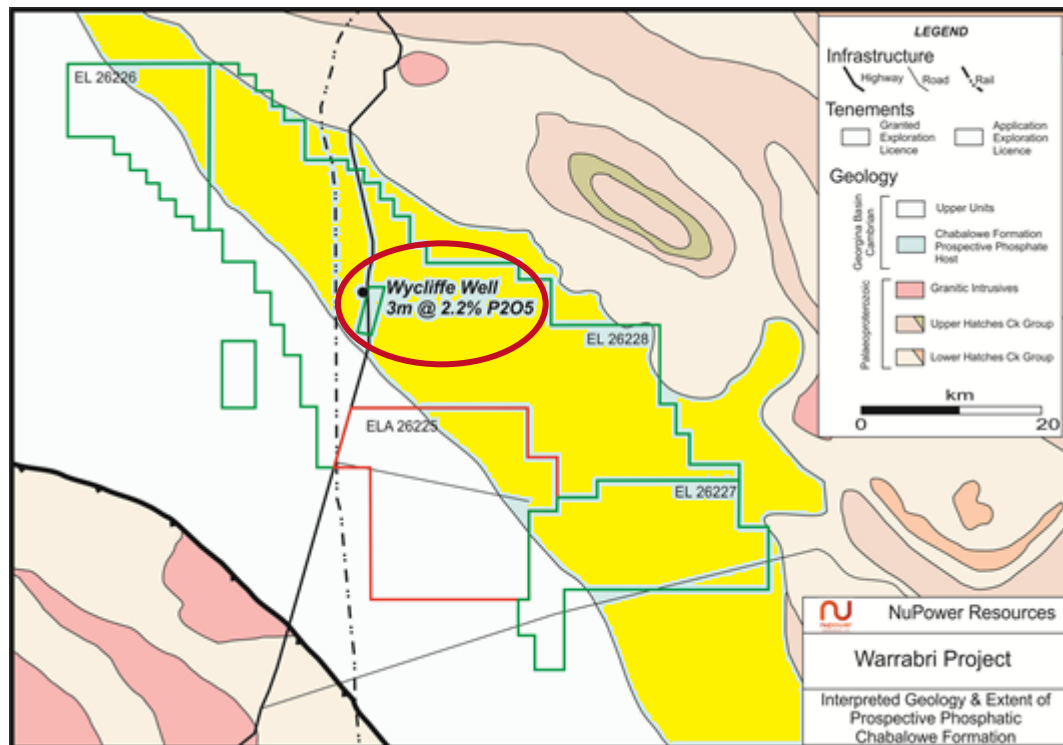
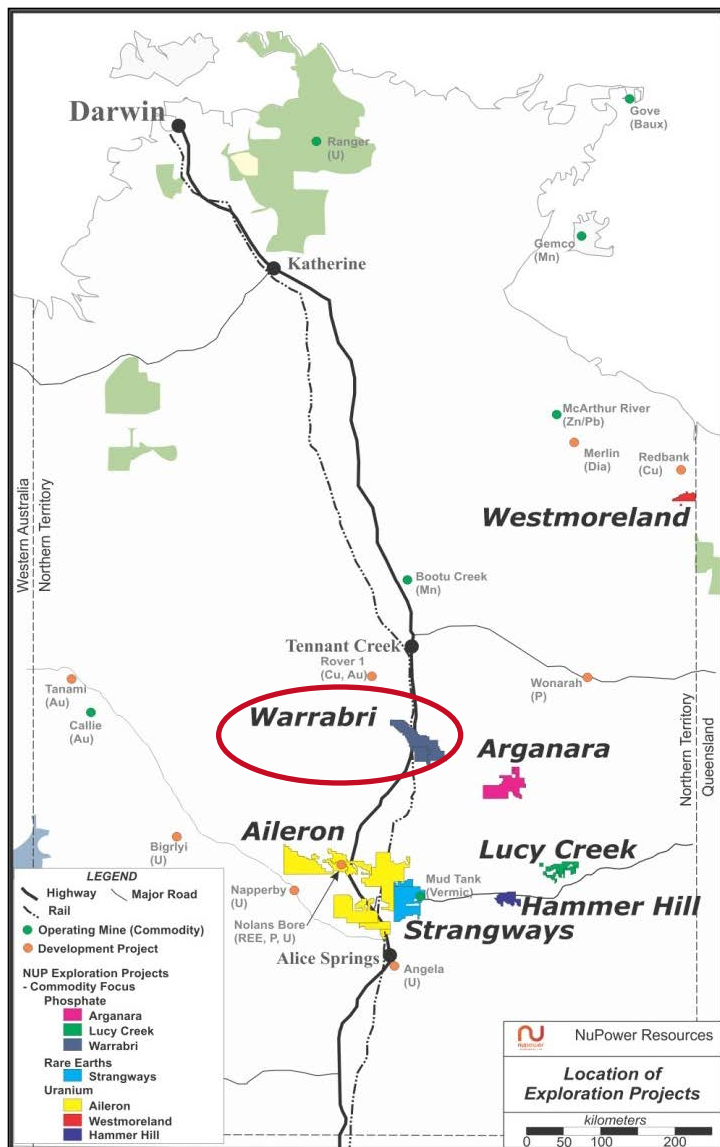
Deleterious elements are low and studies of the mineralogy indicate that fluorapatite is the main phosphate phase present, in common with other deposits in the Georgina. **Lucy Creek has excellent DSO potential**

Warrabri Phosphate Project



NuPower also has historic phosphate recorded on its **Warrabri Project** which lies on the Stewart Highway and Darwin to Adelaide rail line.

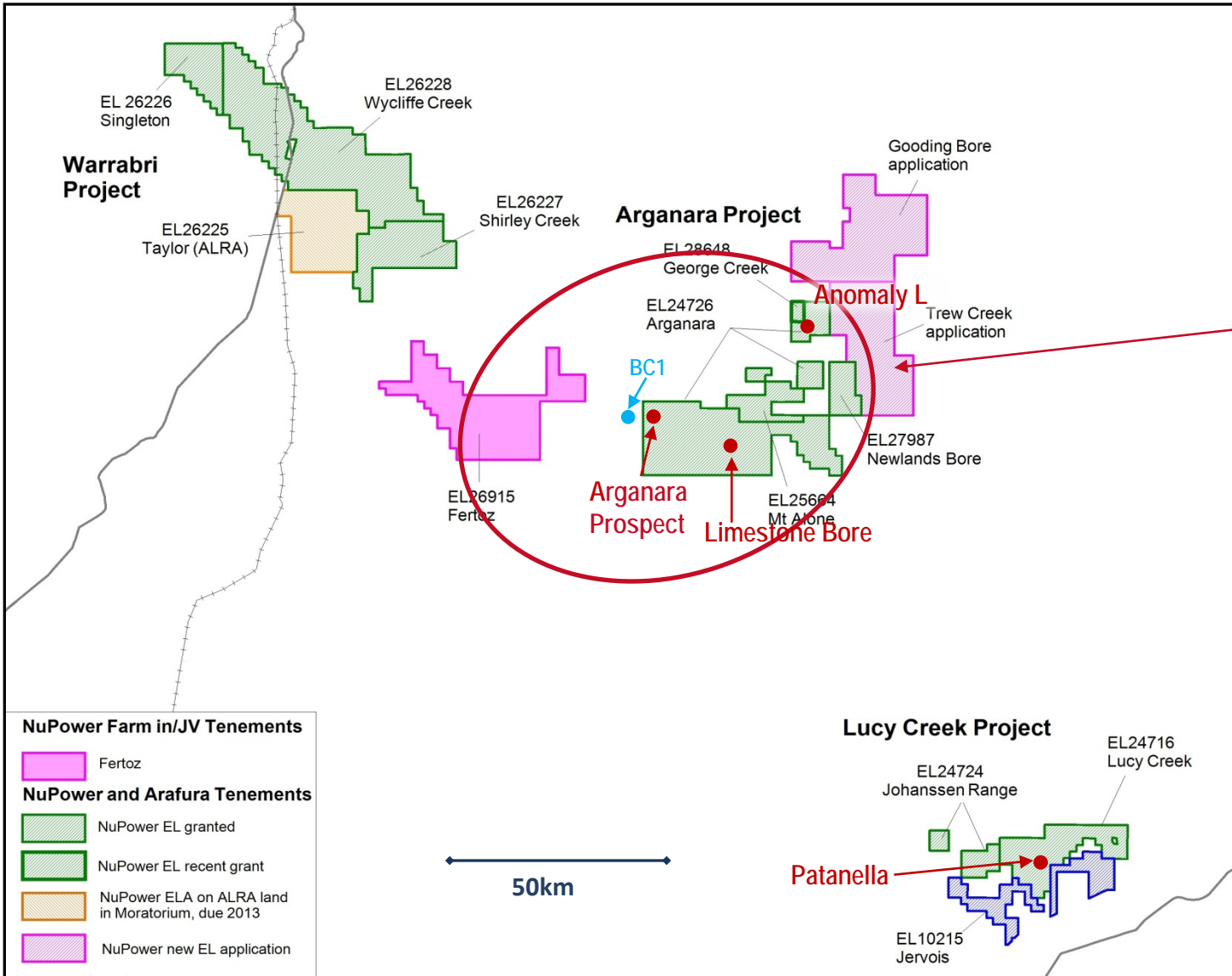
Warrabri Phosphate Project



At Warrabri NT Geological Survey reported cuttings from a drill hole at Wycliffe Well that assayed 3m @ 2.2% P₂O₅ from 3m.

Prospective Chabalowe Formation may be present over a strike length of up to 80km with a potential width of 12km. Surface exploration is planned for later in 2012.

Arganara Prospect – Latest Results - RC drill Program



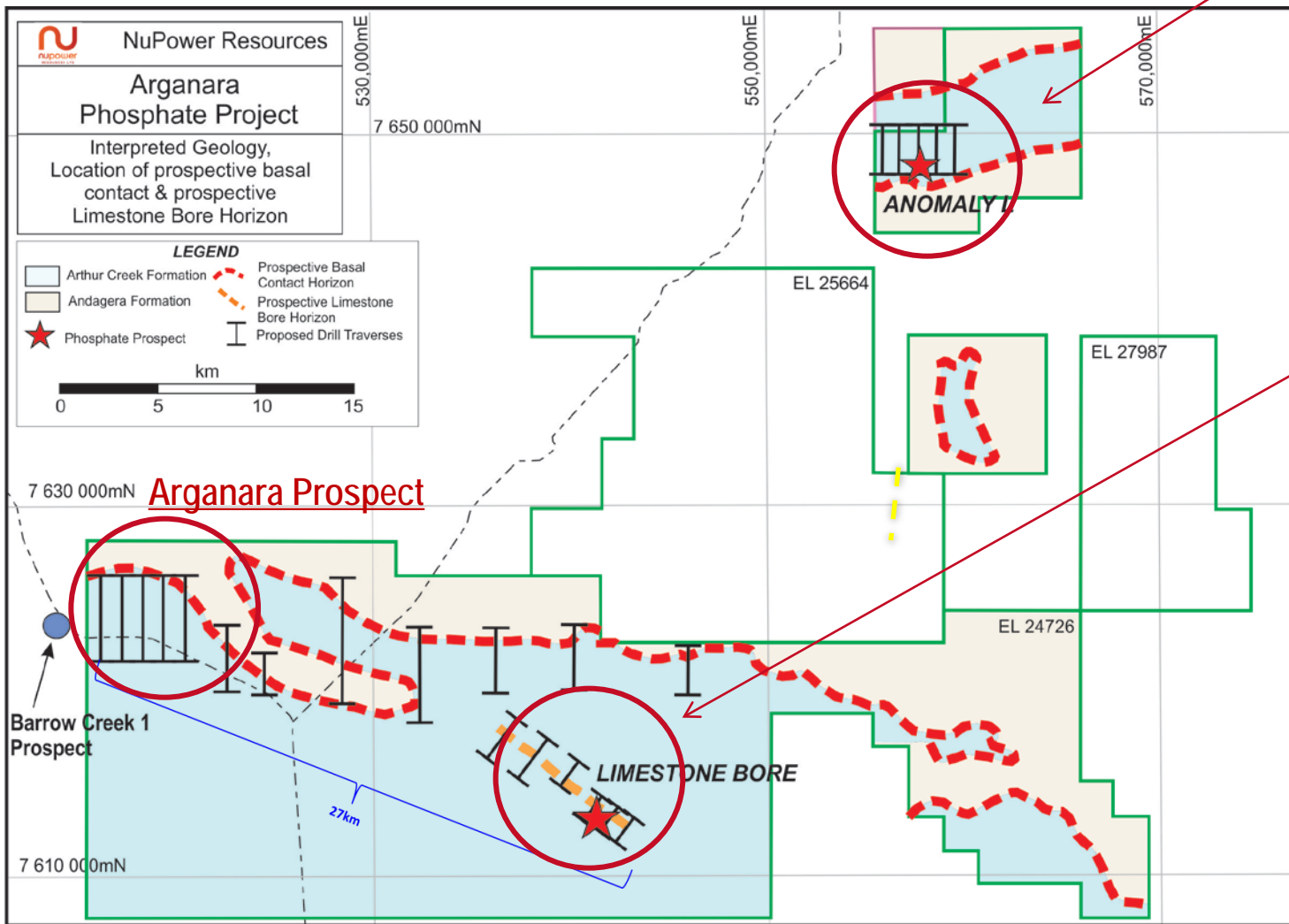
Latest Phase 3 drilling results from **Arganara Prospect** has increased phosphate footprint to over 29km². Maiden JORC Resource is expected late July early August.

Arganara Project - Phosphate

Historic Phosphate at **Anomaly L** and **Limestone Bore** led to Arganara/BC1 Discovery. NuPower 2011 drill traverses targeted edge of Georgina Basin.

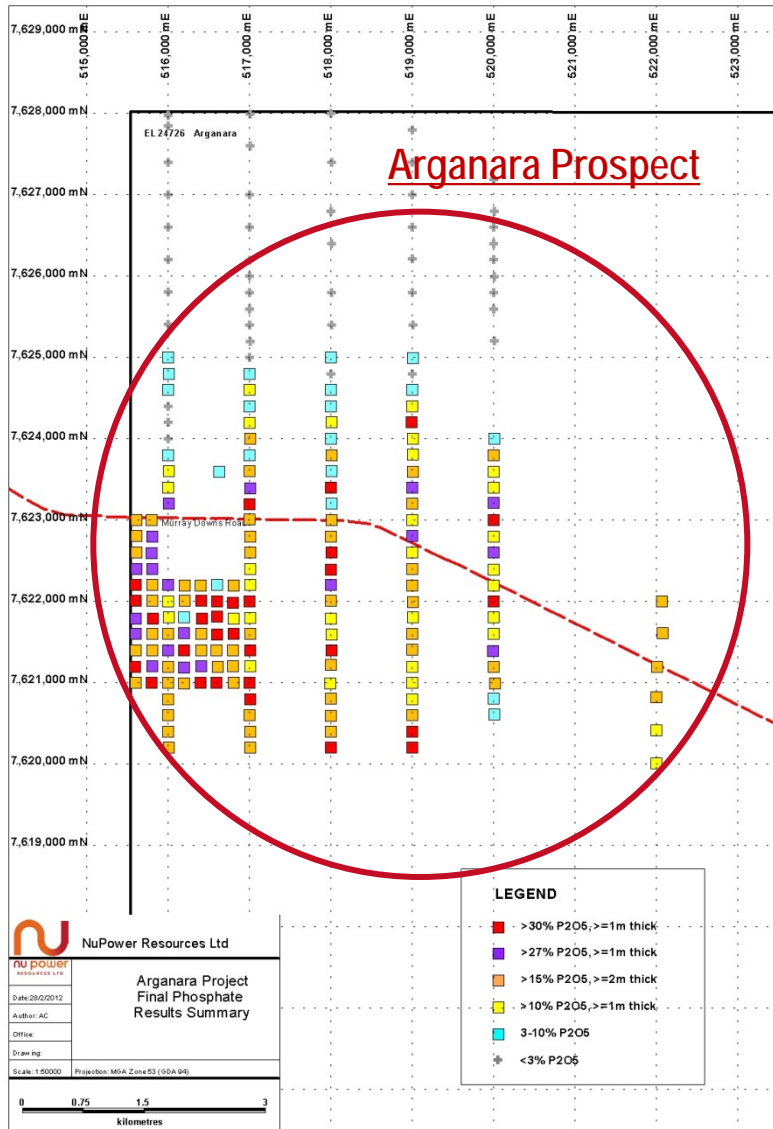
Anomaly L, Historically RTZ reported rock chip samples that assayed between 20% and 40.7% P_2O_5 . NuPower confirmed phosphate in the area with assays 31.8% and 37.6% P_2O_5 . Mineralisation was also found 1km west of Anomaly L where 3 samples assayed between 15.2- 27% P_2O_5 from a 5m thick interval.

Limestone Bore, drilling by VAM in the 1970's, intersected Phosphate in three holes. NuPower sample assayed between 1.21 and 17% P_2O_5 with 6 samples assaying 10% P_2O_5 or better. The horizon is open along strike to the NW and SE



Hole	Intersection P2O5	From (m)
L2	2.7m @ 21.8%	25.9
L4	20.1m @ 9.1%	38.1
Incl.	9.1m @ 14.7%	38.1
L5	7.3m @ 6.0%	28.0

Arganara Prospect 2011 Phase 1 Drilling Results

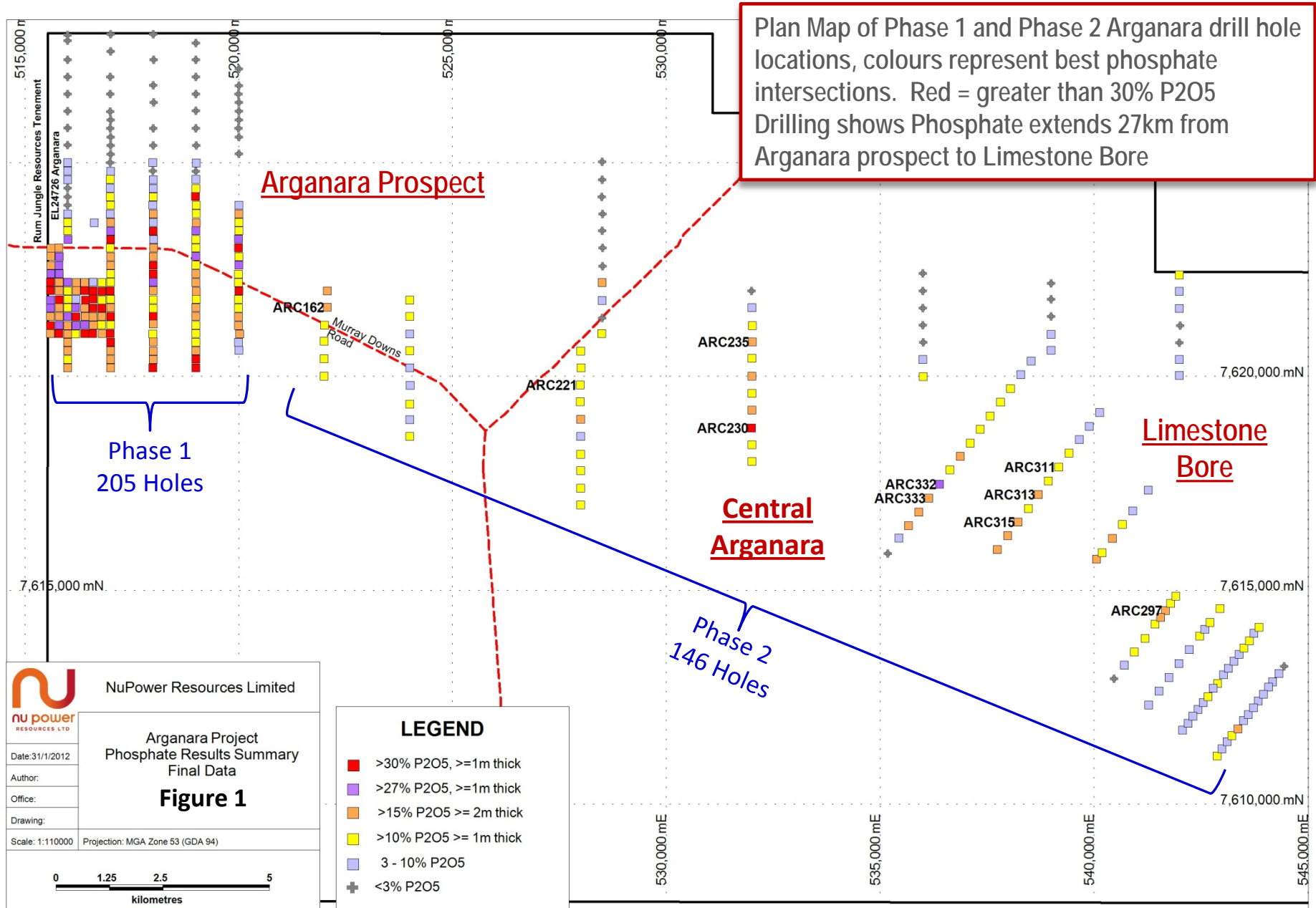


ASX ANNOUNCEMENT – JANUARY 2012 Arganara Prospect Latest best 10 intersections

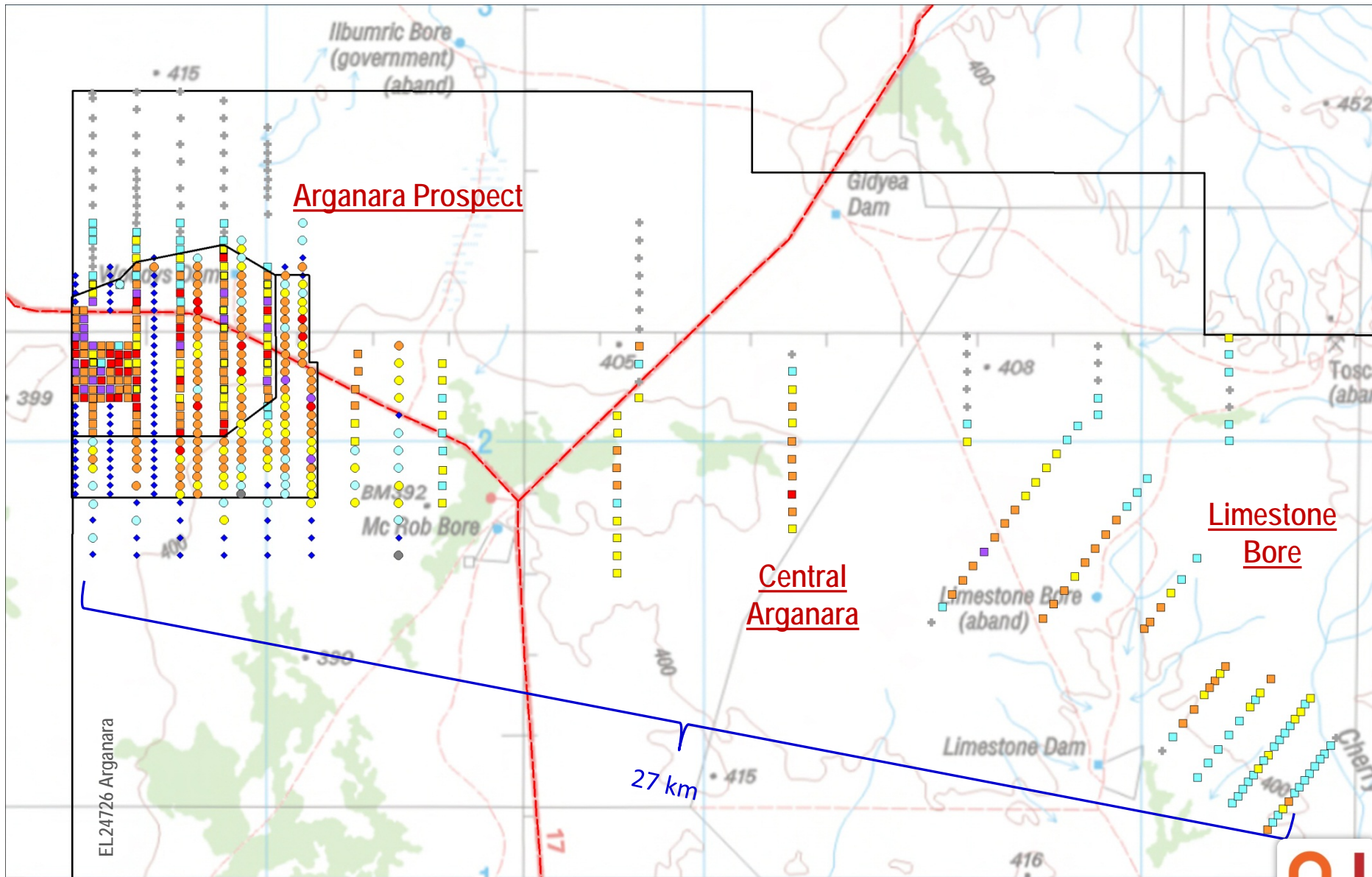
Hole	East	North	From (m)	To (m)	Interval (m)	P2O5 (%)		
ARC180	515596	7622205	14	19	5	29.3	includes 2m @ 33.9% from 17m	
ARC090	519996	7623000	12	15	3	28.3	includes 2m @ 30.3% from 12m	
ARC196	516189	7621611	23	25	2	27.8		
ARC200	516399	7621001	25	31	6	26.7	includes 3m @ 32.5% from 26m	
ARC354	516415	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	

- Arganara Prospect Phosphate. DSO 30% P₂O₅ Grades
- 205 holes returned from ALS Brisbane
- Phosphate Over 4.4x4km, Open to East and South
- 30% Phosphate open to South on lines 3 and 4
- 27% and 30% Phosphate open to East off line 5
- Shallow near surface high grade Phosphate along road

Arganara Project – Phase 1 & 2 Drilling Results



Arganara, Large Tonnage Potential, 27km Strike Length



NuPower 2012

The coming year Arganara - 2012:

- 2012 Arganara phase 3 drill program 9,110m
Completed June 2012
- 2nd Phase Environmental Monitoring Completed
- Q3 - 2012 Initial JORC Resource
- Met Work, Transport Studies, Social Impact Studies
- Notice of Intent – First Step in Mining Lease – aim Q4 2012
- Development strategies: DSO vs Value added Products
- Market assessment (CRU, Ferticon), Relationships, Partners

2011 Drilling,
Arganara Prospect



Base Line
Environmental,
Work, Arganara



Daily - morning OH&S
and Planning Meeting,
Arganara Camp 2011

NuPower Phosphate Development Options

DSO OPERATION

Simple Mining – Free digging

Crush and Screen – Grade ~ 28-32%P₂O₅

Containerized product to Darwin

Truck ~120km to siding then Rail to Darwin Port

FOB sales via Darwin to: India, SE Asia, China

Aim: 150,000 to 200,000tpa

Low Capex – Quick Startup = Cash Flow

Rock Phosphate Prices

Morocco Spot Bulk Rock Phosphate Price
July 2012, Free On Board (FOB)

US\$180 to \$190t - 65-75% BPL

– Source CRU 19 July 2012

BPL (Bone Phosphate of Lime)

BPL = %P₂O₅ x 2.1853 eg. 65%BPL = 29.7% P₂O₅

LONG TERM FERTILIZER OPERATION

Simple Mining – Free digging

Crush and Screen – Grade ~ 20 to 30%P₂O₅

Bulk movement of P₂O₅ to Darwin - Rail

Production of Super phosphate (low capex)

MAP or DAP production (med high capex)

Possibly utilise Ammonia and Sulfur, bi-products from onshore gas in Darwin, INPEX.

Aim: 1,000,000t to 2,000,000 tpa

Larger Capex – Longer development time



Field XRF being used during 2011 Arganara drill program



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