



NuPower Resources Limited (ASX: NUP)
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LUCY CREEK PHOSPHATE PROJECT (NT)

Highlights

- NuPower's review of historic data on its Lucy Creek Project area for uranium/phosphate has identified potential for a world class phosphate deposit
- EL 24716 (Lucy Creek), about 260km north east of Alice Springs along the Plenty Highway hosts significant phosphate mineralisation based on drilling undertaken in the early 1990s by CRA Exploration Ltd
- Best drill results include 5m @ 21.74% P₂O₅ from 50m and individual rock chip assay results up to 28.2% P₂O₅ from a 4km strike length of the Red Heart Dolomite

Review of historic data for phosphate in the Lucy Creek Project tenements has identified a zone of significant rock chip results and drill hole assay intersections from Cambrian sediments marginal to the Georgina Basin with potential for a world class phosphate deposit.

Exploration by CRA in 1993 at Lucy Creek for Cu-U-phosphate mineralisation returned individual rock chip assay results up to 28.2% P₂O₅ from a 4km strike length of the Red Heart Dolomite.

Results from 6 drill holes broadly spaced over 3.5km of that strike length include the following significant intersections:

PD94JR02: 15m @ 12.68% P₂O₅ from 45m including 5m @ 21.74% P₂O₅ from 50m,

PD94JR03: 35m @ 4.38% P₂O₅ from 15m, 10m @ 5.92% P₂O₅ from 70m,

PD94JR04: 40m @ 13.98% P₂O₅ from surface including 5m @ 12.77% P₂O₅ from 5m, 35m @ 7.20% P₂O₅ from surface including 10m @ 13.56% P₂O₅ from 60m,

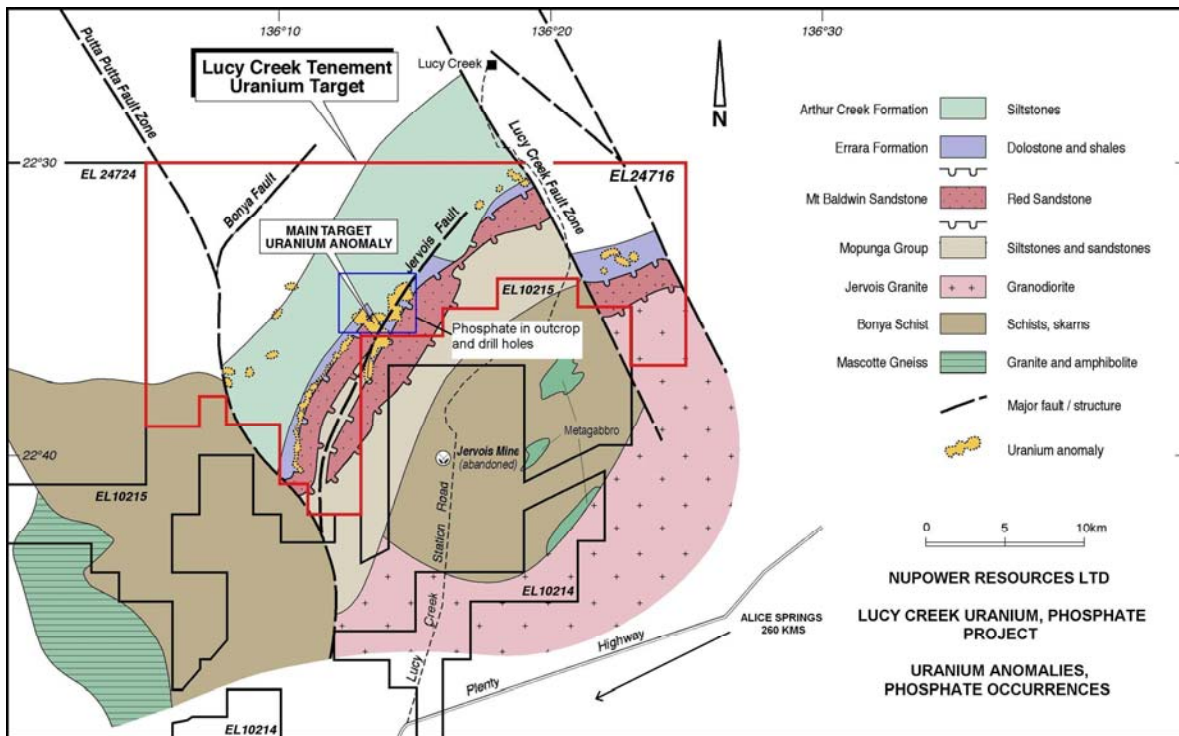
PD94JR05: 50m @ 5.28% P₂O₅ from surface including 5m @ 16.45% P₂O₅ from 40m.

The sediments dip shallowly and there is excellent potential for extending the mineralisation 1 to 2km beneath shallow cover to the west.

Pulps from percussion holes drilled by Arafura in the same region to explore a significant airborne uranium radiometric anomaly in 2006 will now be retrieved and assayed for phosphorus.

Similar sediments occur in the adjacent NuPower Johanssen Range property 20km west of Lucy Creek where initial reconnaissance rock chip sampling by NuPower has returned up to 0.4% P₂O₅.

NuPower will now assess its Lucy Creek Project as a stand-alone phosphate opportunity while furthering the assessment of the uranium and phosphate potential within its Arganara Project. The results of this work will assist in decisions to determine whether NuPower seeks strategic partners at this stage to joint venture the phosphate potential within these projects.




Dennis O'Neill
Managing Director



The information in this release relates to exploration results and geological interpretation by Mr Warrick Rafferty (MSc). Mr Rafferty is a Member of the Australasian Institute of Mining and Metallurgy and a Fellow of the Society of Economic Geology and has sufficient experience to qualify as a Competent Person as defined in the Australasian Code for Reporting of Mineral Resources and Ore Reserves (JORC CODE) for reporting exploration results. Mr Rafferty consents to the inclusion of the data 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.

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