



ASX Code

NUP

#### Capital Details

Shares on issue 236,050,855  
Share Price \$0.077  
Market cap \$18.2 mil

#### Directors

##### Executive Chairman

Mick Muir

##### Non Executive Directors

Ian Kowalick  
Robert Owen  
John Jackson

##### Company Secretary

Anthony Schildkraut

#### Projects

**Westmoreland:** Eva/Cobar II  
and Lagoon Creek -

Uranium/Gold

**Lucy Creek/Arganara -**

Phosphate

**Aileron - Uranium**

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

**15 December 2009**

ASX / Media Release

## Interim Exploration Results - Eva MLN 585 Westmoreland Region, Northern Territory

- **Completion of Eva exploration drilling campaign**
- **Significant high grade gold/uranium intercepts at Eva**
- **Resource estimates anticipated in the New Year**

The Directors are pleased to announce the successful completion of the Eva drilling program, rehabilitation of the disturbed areas and demobilization of machinery and crews prior to the onset of the wet season.

At the Eva uranium-gold property a total of 50 vertical and inclined holes were completed that included 40 percussion holes for a total of 2,388m and 10 core holes for 466m. A total of 1,566 percussion and drill core samples, including duplicates, standards and blanks samples, have been submitted to Australian Laboratory Services for uranium and gold assay for which results have been received for 694 samples or 21 drill holes. Significant widths and grades of uranium and gold mineralisation have been intersected to date including:

|       |   |
|-------|---|
| EV001 | 5m @ 0.15% U3O8, 1.67 g/t Au from surface<br>7m @ 1.25% U3O8, 4.79 g/t Au from 8m   |
| EV002 | 7m @ 0.79% U3O8, 5.69 g/t Au from 3m<br>7.5m @ 0.59% U3O8, 6.18 g/t Au from 11.5m (historic mine void 10-11.5m)                       |
| EV004 | 23m @ 0.19% U3O8, 0.33 g/t Au from 9m   |
| EV009 | 11m @ 0.30% U3O8, 4.28 g/t Au from 37m including<br>5m @ 0.37% U3O8, 6.59 g/t Au from 37m   |
| EV021 | 22m @ 0.20% U3O8, 3.31 g/t Au from 3m including<br>2m @ 0.43% U3O8, 15.5 g/t Au from 12m  |
| EV023 | 20m @ 0.416% U3O8, 5.07 g/t Au from 9m including<br>4m @ 1.26% U3O8, 18.32 g/t Au from 27m  |
| EV024 | 27m @ 0.77% U3O8, 5.10 g/t Au from 4m including<br>4m @ 1.18% U3O8, 4.26 g/t Au from 8m and<br>4m @ 2.24% U3O8, 17.72 g/t Au from 20m |
| EV013 | 2m @ 0.02% U3O8, 6.17 g/t Au from 55m   |

*Results are reported for Intercepts calculated >0.05% U3O8 and may include up to 2m below cut off grade, other than EV013 where the intercept was calculated > 0.5 g/t Au*

Based on the geological mapping and drilling to date the geology comprises a sequence of andesitic and dacitic volcanic rocks that has been intruded by granite and microgranite (Figure 1). These rocks are separated and cut by steep to moderately SE dipping shears.

Mineralisation intersected to date occurs over a strike length of 100m and down dip for up to 100m, at vertical depths of between 0 and 65m below surface (Figure 1 & 2). Significant intersections from results received to date are tabulated below (Tables 1 & 2).

High grade uranium/gold mineralisation is related to steeply dipping shear structures trending ENE in the vicinity of the old Eva workings, hosted by altered microgranite with occasional narrow smoky quartz veins that also occupy the shear structures. Mineralisation is dominated by yellow and green secondary oxide uranium minerals and although primary uraninite has been tentatively identified in places the extent of its development is unclear at present.

Secondary oxide uranium mineralisation, with low to moderate gold grades, extends down dip to the SSE within the andesite, preferentially within zones of shearing.

The significance of the high grade gold result with low uranium from EV013 (2m @ 6.17 g/t Au, 0.02% U3O8) is uncertain at present.

Assessment of the results and further geological interpretation will be completed following receipt of the results from the second half of the drilling campaign. A resource estimate is anticipated in the New Year.

In commenting on the first batch of assay results, NuPower Executive Chairman, Mr. Mick Muir said the results confirmed the company's optimistic outlook for the Eva mining lease and the Westmoreland region. "We look forward to the second batch of assay results that we will release to the market as soon as we receive them. These initial results provide strong confidence for NuPower to continue its exploration efforts regionally" he added.

Mr. Muir congratulated the geological and logistical staff who carried out the successful program in this remote and difficult location.

A representative of the local traditional owners, Mr. Alec Doomadgee when advised of these initial assay results said "we are very pleased with the activities of NuPower over the last several months and congratulate them on these successful results. We look forward to continuing to work with them in the future on this exciting project".

Table 1: EVA - Significant Drilling Results to date

| Drill Hole | From (m)        | To (m)                  | Length (m) | U3O8 (%) | Au (g/t) |
|------------|-----------------|-------------------------|------------|----------|----------|
| EV001      | 0               | 5                       | 5          | 0.15     | 1.67     |
|            | 8               | 15                      | 7          | 1.25     | 4.79     |
| EV002      | 1               | 1.3                     | 1.3        | 0.14     | 2.12     |
|            | 3               | 10                      | 7          | 0.79     | 5.69     |
|            | 10              | 11.5 historic mine void |            |          |          |
|            | 11.5            | 19                      | 7.5        | 0.69     | 6.18     |
| EV003      | 12              | 20                      | 8          | 0.13     | 0.14     |
| EV004      | 9               | 32                      | 23         | 0.19     | 0.33     |
|            | 39              | 40                      | 1          | 0.21     | 2.37     |
| EV005      | 12              | 15                      | 3          | 0.10     | 1.12     |
|            | 26              | 32                      | 6          | 0.11     | 0.09     |
| EV007      | 28              | 29                      | 1          | 0.82     | 0.56     |
|            | 39              | 40                      | 1          | 0.21     | 0.54     |
|            | 44              | 50                      | 6          | 0.23     | 0.15     |
| EV008      | 0               | 9                       | 9          | 0.18     | 0.45     |
|            | 14              | 19                      | 5          | 0.32     | 1.20     |
|            | 25              | 33                      | 8          | 0.23     | 1.54     |
| EV009      | 14              | 15                      | 1          | 0.07     | 0.06     |
|            | 30              | 31                      | 1          | 0.11     | 0.11     |
|            | 37              | 48                      | 11         | 0.30     | 4.28     |
|            | 37              | 42                      | 5          | 0.37     | 6.59     |
| EV010      | 11              | 19                      | 8          | 0.14     | 0.94     |
| Including  | 17              | 19                      | 2          | 0.38     | 3.60     |
|            | 24              | 35                      | 11         | 0.14     | 0.86     |
| including  | 29              | 34                      | 5          | 0.24     | 1.67     |
| EV011      | 9               | 13                      | 4          | 0.06     | 0.07     |
|            | 20              | 21                      | 1          | 0.05     | 1.89     |
|            | 24              | 26                      | 2          | 0.07     | 0.01     |
|            | 29              | 33                      | 4          | 0.05     | 0.47     |
| EV012      | 25              | 36                      | 11         | 0.15     | 0.17     |
|            | 45              | 47                      | 2          | 0.12     | 1.12     |
| EV013      | 44              | 45                      | 1          | 0.05     | 1.50     |
|            | 48              | 49                      | 1          | 0.15     | 1.44     |
|            | 55              | 57                      | 2          | 0.02     | 6.17*    |
|            | 60              | 61                      | 1          | 0.07     | 0.56     |
| EV014      | 33              | 35                      | 2          | 0.08     | 0.80     |
| EV015      | Results Pending |                         |            |          |          |

| Drill Hole | From (m)                     | To (m)                | Length (m) | U3O8 (%) | Au (g/t) |
|------------|------------------------------|-----------------------|------------|----------|----------|
| EV016      | No Significant intersections |                       |            |          |          |
| EV017      | No Significant intersections |                       |            |          |          |
| EV018      | 0                            | 5                     | 5          | 0.23     | 1.43     |
|            | 12                           | 14                    | 2          | 0.06     | 4.93     |
| EV019      | Results Pending              |                       |            |          |          |
| EV020      | 0                            | 19                    | 19         | 0.29     | 3.42     |
| including  | 2                            | 4                     | 2          | 0.97     | 6.08     |
| and        | 16                           | 19                    | 3          | 0.31     | 10.00    |
| EV021      | 0                            | 28                    | 28         | 0.16     | 2.70     |
| including  | 8                            | 15                    | 7          | 0.42     | 6.55     |
| EV022      | 0                            | 16                    | 16         | 1.38     | 8.52     |
| including  | 3                            | 7                     | 4          | 2.18     | 11.91    |
|            | 16                           | 19 historic mine void |            |          |          |
|            | 19                           | 26 EOH                | 7          | 0.56     | 3.77     |
| EV023      | 9                            | 32                    | 23         | 0.41     | 5.17     |
| including  | 27                           | 31                    | 4          | 1.27     | 18.3     |
| EV024**    | 0                            | 31                    | 31         | 0.69     | 4.55     |
| including  | 19                           | 25                    | 6          | 2.00     | 15.00    |

\*Intersection from 55-57 in EV013 calculated >0.5 g/t Au

\*\*EV024 is a redrill of EV022 which finished in mineralisation at 26m

Table 2: EVA – Drill hole collar location and depth information

| HoleID | Drill Type | East (MGA) | North (MGA) | RL  | Dip | Azimuth (Grid) | Total Depth (m) |
|--------|------------|------------|-------------|-----|-----|----------------|-----------------|
| EV001  | Core       | 799006     | 8042859     | 254 | -50 | 340            | 65.8            |
| EV002  | Core       | 799019     | 8042868     | 253 | -50 | 340            | 57.2            |
| EV003  | RC         | 799069     | 8042863     | 239 | -60 | 340            | 102             |
| EV004  | RC         | 799050     | 8042862     | 244 | -60 | 340            | 78              |
| EV005  | RC         | 799050     | 8042861     | 244 | -90 |                | 42              |
| EV006  | RC         | 799131     | 8042937     | 241 | -90 |                | 42              |
| EV007  | RC         | 799080     | 8042894     | 243 | -90 |                | 54              |
| EV008  | Core       | 799025     | 8042849     | 247 | -45 | 348            | 44.5            |
| EV009  | RC         | 799064     | 8042879     | 244 | -90 |                | 54              |
| EV010  | RC         | 799036     | 8042838     | 242 | -90 |                | 42              |
| EV011  | RC         | 799016     | 8042827     | 243 | -60 | 344            | 100             |
| EV012  | RC         | 799043     | 8042822     | 237 | -60 | 340            | 54              |
| EV013  | RC         | 799043     | 8042820     | 237 | -90 |                | 72              |
| EV014  | RC         | 799024     | 8042801     | 234 | -60 | 341            | 78              |
| EV015  | Core       | 799025     | 8042848     | 247 | -70 | 348            | 54.4            |
| EV016  | RC         | 799057     | 8042837     | 238 | -60 | 340            | 78              |
| EV017  | RC         | 798982     | 8042853     | 256 | -90 |                | 40              |
| EV018  | RC         | 798996     | 8042856     | 255 | -90 |                | 30              |
| EV019  | Core       | 799010     | 8042838     | 247 | -45 | 340            | 36.1            |
| EV020  | RC         | 799005     | 8042859     | 254 | -90 |                | 48              |
| EV021  | RC         | 799014     | 8042861     | 253 | -90 |                | 36              |
| EV022  | RC         | 799021     | 8042867     | 253 | -90 |                | 26              |
| EV023  | RC         | 799026     | 8042878     | 254 | -90 |                | 40              |
| EV024  | RC         | 799022     | 8042871     | 253 | -90 |                | 36              |



For personal use only

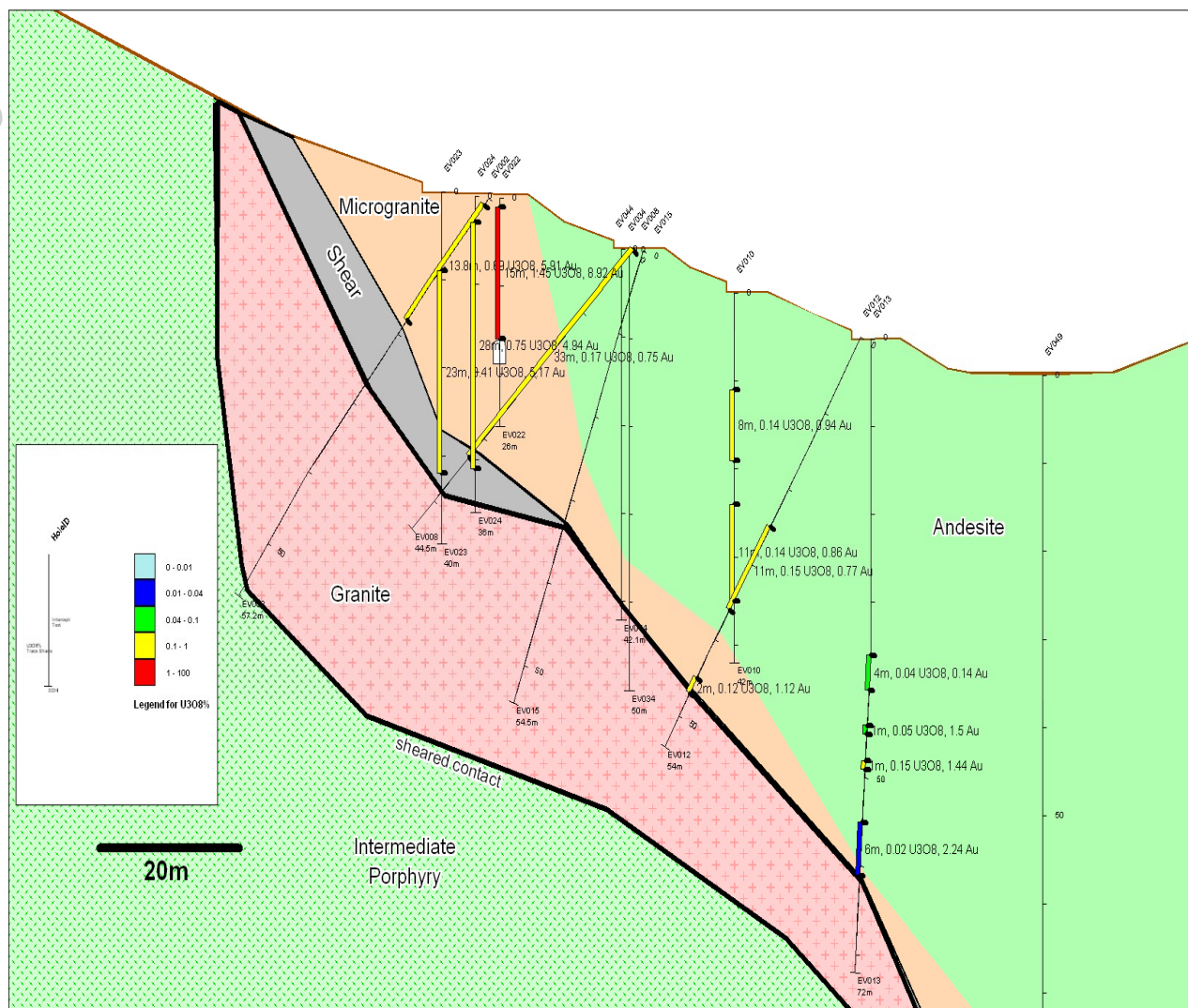


Figure 1: EVA - Preliminary Geological Cross Section A-A1. Location is shown in Figure 2

For personal use only

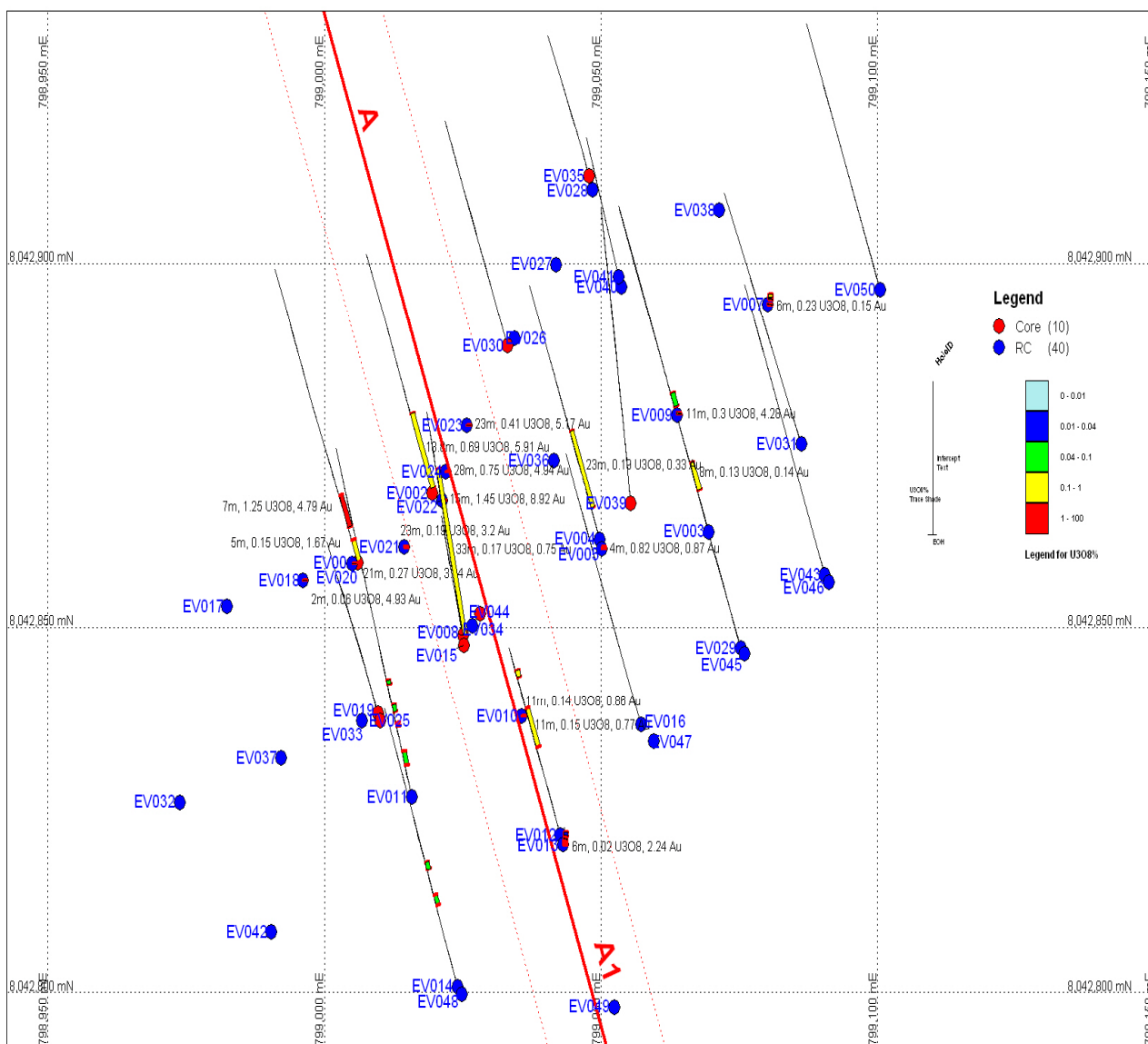


Figure 2: EVA – Drill hole collar locations and uranium intercepts to date



**I.G Muir**  
**Executive Chairman**

For further information contact: NuPower Resources Limited

Sydney, Australia +61(2) 9262 4235

Or visit our website at [www.nupowerresources.com.au](http://www.nupowerresources.com.au)

*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 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.*

*The 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.*