

6<sup>th</sup> May 2020

## ASX ANNOUNCEMENT

### JV partner IGO to drill Fraser Range Projects

Exploration planned for Q4 (April to June 2020) will include:

#### Thunderdome JV Project, Fraser Range

- Located 30km NE along trend from Legend Mining's Mawson Ni-Cu discovery

##### Sailfish Ni-Cu Target

- Air-core drilling of prospective magmatic Ni-Cu targets
- Air-core drilling over coincident magnetic low/gravity high features that are conceptual targets analogous of Legend Mining's Mawson Ni-Cu discovery

##### Old Soldiers Ni-Cu-Zn Target

- Multiple EM conductors over a 12km Cu-Zn trend have the potential for VHMS and/or magmatic Ni-Cu deposits
- Broad spaced AC drilling is planned over the EM conductors to identify prospective VHMS and/or magmatic Ni-Cu lithologies to assist targeted follow up diamond drilling

#### Thunderstorm JV Project, Fraser Range

Pion and Themis Au Prospects – 13km of paleochannels & basement prospective for gold.

- Hyperspectral studies of pulps from the gold samples in air-core drilling
- An Honours project looking at the morphology of the gold grains to help understand the distance gold may have travelled along the paleochannels, in order to try and ascertain a source of the gold

#### Ni-Cu Targets

- Systematic air-core drilling to obtain basement samples for geochemistry
- Ground EM surveys over mafic intrusions east of the Newman Shear Zone
- Ground EM survey over Ni-Cu targets identified in Airborne Spectrum AEM Survey

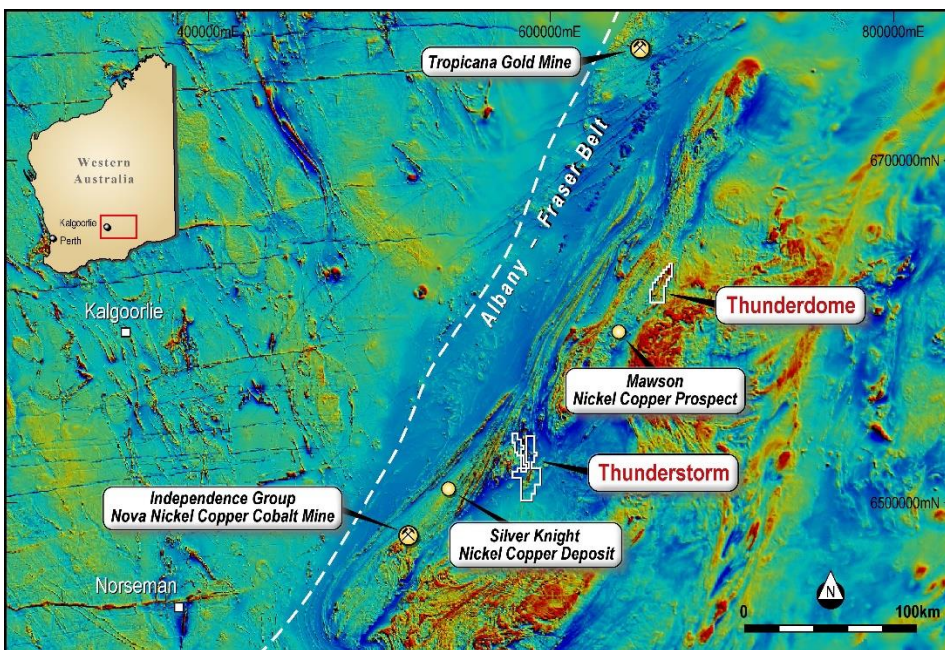


Image 1 – IGO 70% RTR 30% Fraser Range Joint Venture Projects



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ASX RTR

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Mr Mark Carder  
Exploration Manager



Rumble Resources Ltd (ASX: RTR) (“Rumble” or “the Company”) is pleased to advise that joint venture partner IGO Ltd (ASX: IGO) (“IGO”) has planned exploration activities on its Fraser Range JV Projects in the current June 2020 Quarter.

**Managing Director Mr Shane Sikora Said’** “The Rumble team are looking forward to the re-commencement of exploration by our JV partner IGO on our highly prospective projects in the Fraser Range. The region has gained significant renewed interest thanks to a new nickel-copper discovery by Legend Mining at the Mawson Prospect, only 30kms along strike from our Thunderdome Project, which has two (2) new exciting prospects to be drill tested.

“Combine this with our compelling Lamil Project in the Paterson province, another sought after exploration region due to the new Winu Copper-Gold discovery by Rio Tinto, and we now have two (2) projects to be drilled by JV partners in two of the most sought after regions in Australia capable of Tier 1, large scale discoveries.”

## **Thunderdome JV Project – 70% IGO 30% RTR, Fraser Range**

The Thunderdome Project consists of tenement E28/2366 which covers 140sq km’s on the main Fraser Range gravity ridge associated with dense mafic/ultramafic rocks of the Fraser Complex. It has a large prominent dome feature clearly visible on regional airborne magnetic images. This large dome feature is one of the largest in the Fraser Range and has a fold axis of some 22km. Within this larger target area are also several smaller features which may represent later stage intrusions.

The Thunderdome project is located 30 km north-east along trend of the recent Mawson nickel-copper discovery (refer Image 2) made by Legend Mining.

### **Sailfish Target (image 2)**

#### **Planned exploration:**

- Targeted closer spaced (<400m) air-core drilling of prospective magmatic Ni-Cu targets SW of Sailfish prospect.
- 200m spaced fence of air-core drilling over coincident magnetic low/gravity high features south-west (SW) of Sailfish Prospect.
  - These are conceptual target settings analogous to Legend Mining’s discovery at Mawson (30km SW).

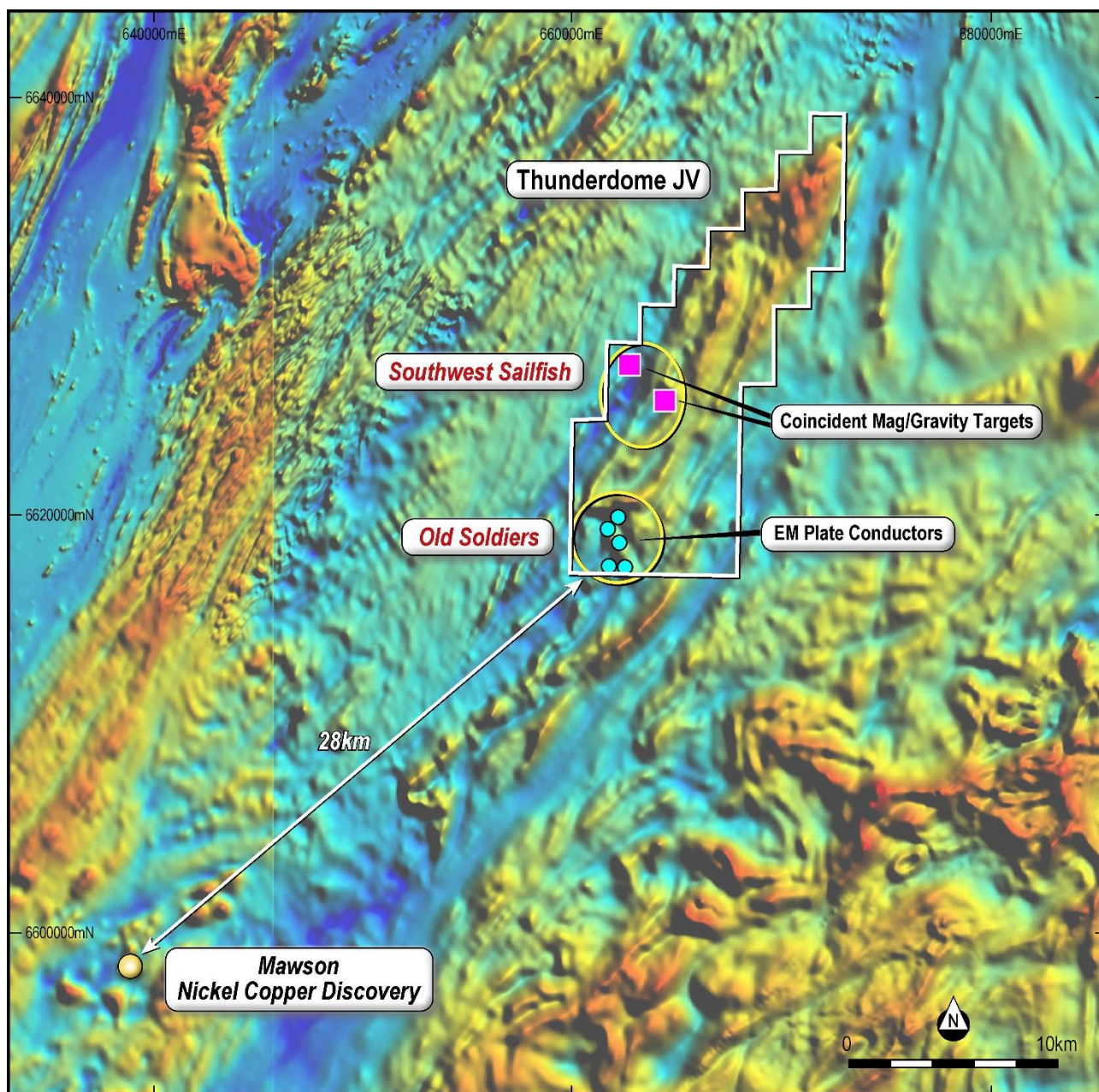
### **Old Soldiers Target (image 2)**

A 200m x 400m MLEM survey completed by IGO over a 12km long Cu-Zn trend produced multiple EM conductors between 3500S – 8000S.

This area has potential for VMHS style and magmatic Ni-Cu deposits.

#### **Planned exploration:**

- Staggered 800m x 650m broad spaced air-core holes over region of EM conductors at Old Soldiers to identify prospective VHMS and/or magmatic Ni-Cu lithologies to assist targeted follow up diamond drilling.
  - Large, strong conductors can obscure smaller massive sulphide EM responses, therefore geochemical anomalies in the area will be targeted for follow up diamond drilling.



**Image 2 - Thunderdome planned exploration activities**

## **Thunderstorm JV Project – 70% IGO 30% RTR, Fraser Range**

The Thunderstorm Project lies within the Albany Fraser Province and is located some 250km SSE of Kalgoorlie, Western Australia. The Thunderstorm Project comprises of three exploration licences, E28/2528, E28/2529 and E28/2595 for a total area of 323km<sup>2</sup>.

First stage exploration by IGO utilised the SPECTREM AEM system to map the depth of cover and to highlight conductors under shallow cover along with acquiring magnetics data.

The SPECTREM AEM system is a high-definition fixed-wing, time domain airborne electromagnetic geophysical technique. The SPECTREM AEM survey defined two major palaeo-drainage systems that cover up to 50% of the area of the Thunderstorm Project up to 100m in depth.

Along with the geophysics, IGO completed a wide spaced air core drilling program (1.5km by 400m pattern) over a portion of the project which resulted in significant high-grade gold mineralisation intersected intermittently over 13km's in a large scale palaeo-drainage system and underlying basement on wide spaced air core drilling (1.5km by 400m pattern) at the Themis and Pion Prospects - see RTR ASX announcement 1<sup>st</sup> July 2019.



## Themis Gold Prospect

- **High-grade gold was intersected** within a **palaeo-drainage and into basement rocks**. Hole 18AFAC30771 returned:
  - **25m @ 2.42 g/t Au from 42m - including 5m @ 10.85 g/t from 49m**

## Pion Gold Prospect

- Some **13 km further along** the palaeo-drainage at the Pion Prospect, hole 18AFAC20486 returned:
  - **4m @ 3.8 g/t Au from 86m**

The intersection of significant high-grade gold mineralisation in wide spaced drilling within a large complex palaeo-drainage system over a broad area highlighted the potential for both palaeo-channel and basement hosted gold deposits.

Importantly a Flora survey required by DMIRS to progress exploration has now been completed over large areas of the tenement – (**Yellow on image 3**).

### Planned exploration:

- Hyperspectral studies of pulps from the gold samples in air-core drilling
- An Honours project will begin looking at the morphology of the gold grains intersected in drilling at the Themis prospect. This work will help in understanding the distance gold may have travelled along the paleochannel, to try and ascertain a source of the gold.

## Ni-Cu Targets

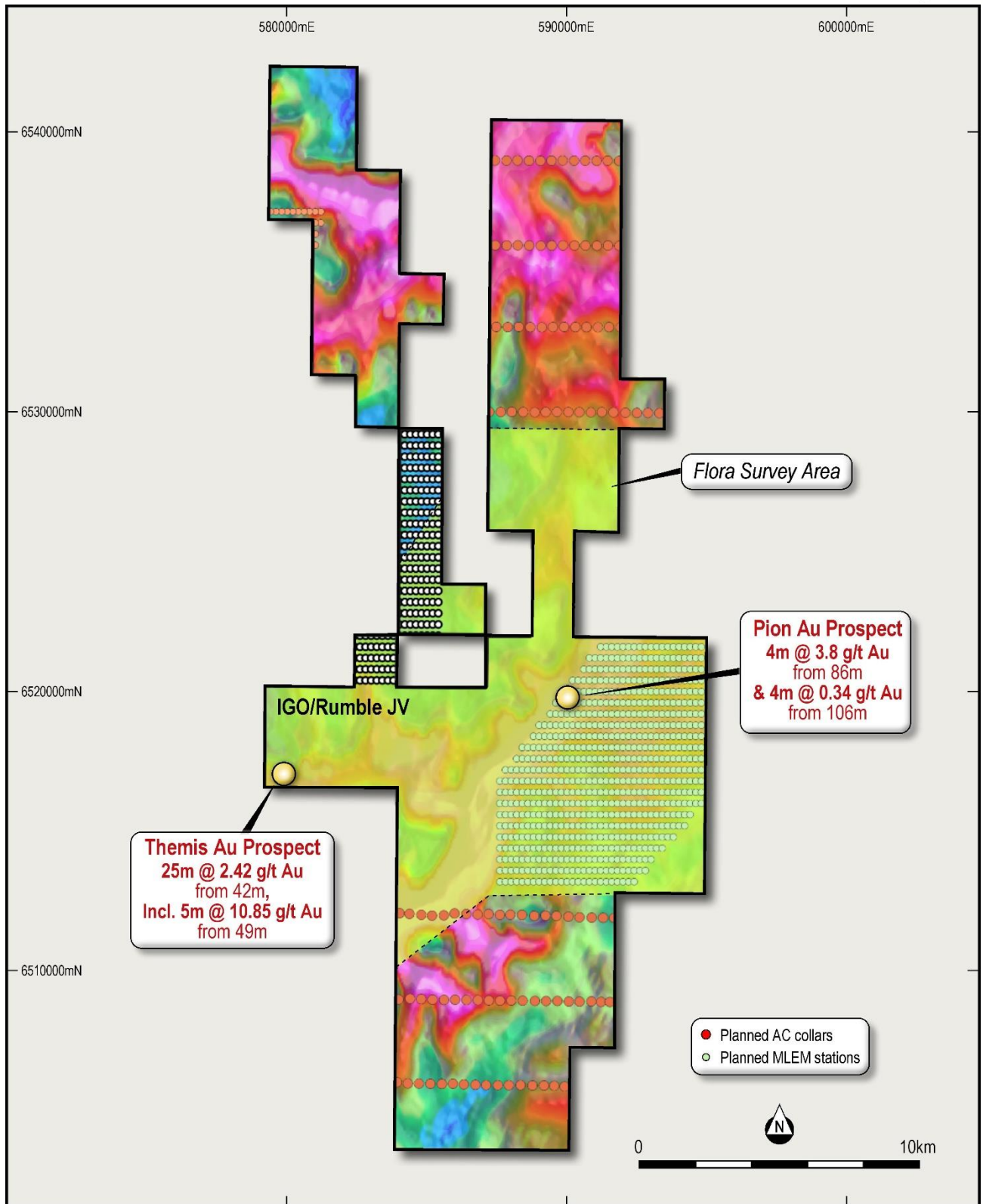
The Spectrem AEM survey indicated that 50% of the bedrock in the Thunderstorm tenements is covered by two major paleochannel systems (**red on image 4**) up to 100m deep.

The Spectrem AEM is blind to mineralization below such thick conductive cover.

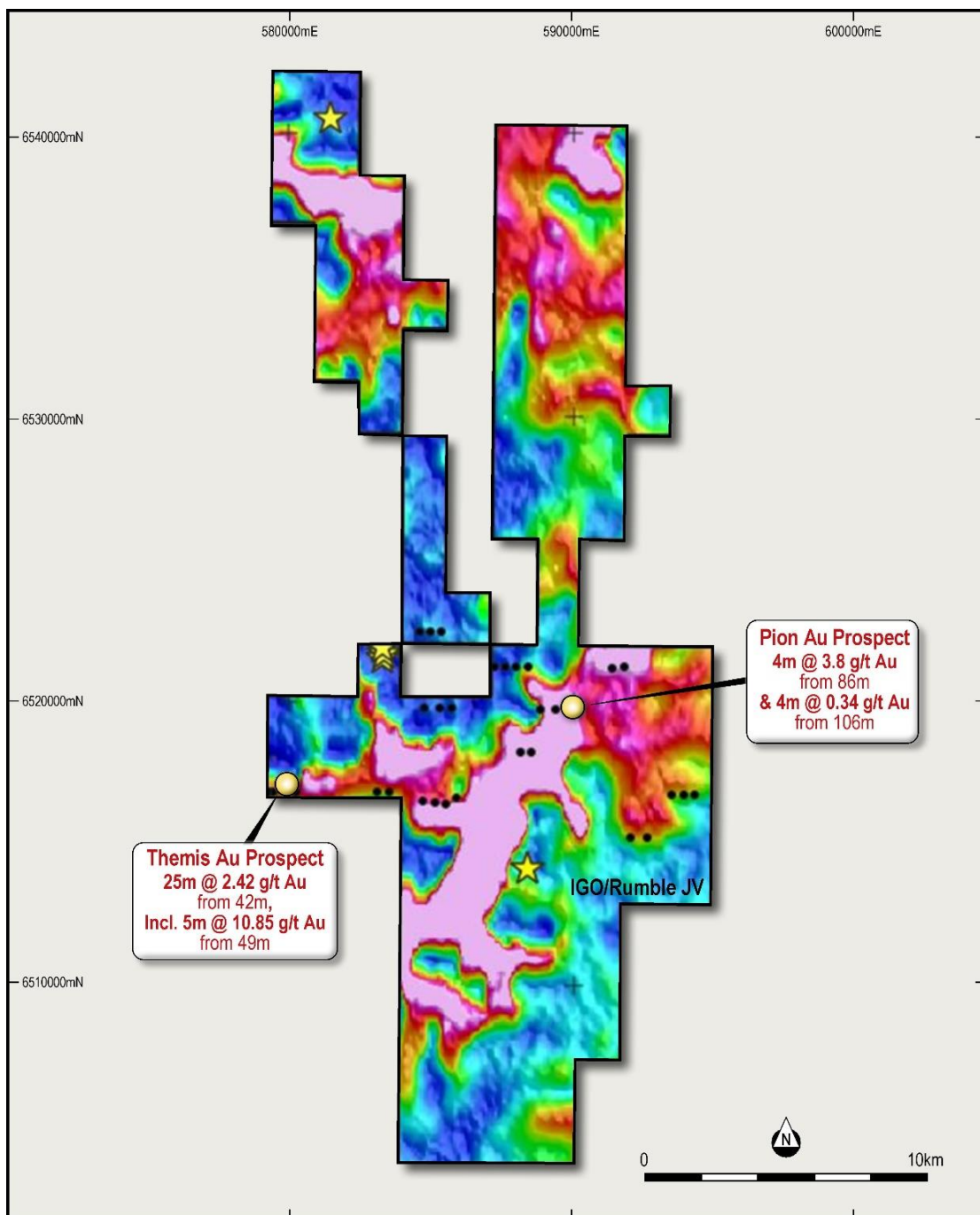
In areas of shallow cover (**blue on image 4**) the Spectrem AEM survey has identified 5 target areas which will be followed with SQUID MLEM surveys.

### Planned exploration:

- Regional Air-core - IGO has chosen to undertake a systematic air-core drilling program across the tenements in order to obtain basement samples for geochemistry (**Image 3**).
- SQUID MLEM surveys over mafic intrusions east of the Newman Shear Zone (**Image 3**).
- SQUID MLEM survey to follow up 5 Ni-Cu target areas identified by the SPECTREM survey (**Image 4**).



**Image 3.** Thunderstorm with a Spectrem AEM map background – Highlighting planned air-core drilling, MLEM surveys and Flora Survey Area completed.



**Image 4.** Thunderstorm tenements and air-core holes (black dots) on a Spectrem AEM regolith thickness model. Spectrem AEM targets for MLEM follow-up are yellow stars.

This announcement is authorised for release by Shane Sikora, Managing Director

For further information visit [rumbleresources.com.au](http://rumbleresources.com.au) or contact [enquiries@rumbleresources.com.au](mailto:enquiries@rumbleresources.com.au).

**About Rumble Resources Ltd**

Rumble Resources Ltd is an Australian based exploration company, officially admitted to the ASX on the 1st July 2011. Rumble was established with the aim of adding significant value to its current mineral exploration assets and will continue to look at mineral acquisition opportunities both in Australia and abroad.

**Competent Persons Statement**

The information in this report that relates to Exploration Results is based on information compiled by Mr Brett Keillor, who is a Member of the Australasian Institute of Mining & Metallurgy and the Australian Institute of Geoscientists. Mr Keillor is an employee of Rumble Resources Limited. Mr Keillor has sufficient experience 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 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Keillor consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.