

## Browns Range exploration drilling recommences

- Reverse Circulation (RC) exploration drilling program has commenced
- Program consists of approximately 5,000m, targeting seven prospects
- Exploration program designed to increase potential mine life of full scale Browns Range Project from 11 years to 20+ years

Australian heavy rare earths producer Northern Minerals Limited (ASX: NTU) (the Company) is pleased to announce that exploration drilling has recommenced at Browns Range, with approximately 5,000 metres planned.

The renewed exploration push follows the construction of the Browns Range Pilot Plant Project, soon to be the only dysprosium producing operation outside China.

As part of the Pilot Plant Project, which is designed to assess the technical and economic feasibility of the proposed full-scale operation, the Company has set a target of defining sufficient ore for the operation to have a mine life in excess of 20 years, up from the current 11 years for a full-scale project at Browns Range.

In this context, the Company has prioritised exploration targets for assessment during the Pilot Plant Project. The first program will assess the Banshee South, Dazzler, Gambit East and Polaris prospects, all identified during earlier drilling campaigns, while the Iceman prospect will be drill tested for the first time (see figure below). First-pass drilling will also take place, along strike to the west of the Wolverine and Gambit West deposits, both of which underwent trial mining in late 2017.



RC drilling underway at Banshee South prospect

## ASX ANNOUNCEMENT

Drilling has initially commenced at the Banshee South prospect, following up on two exploration holes drilled there in December 2016, with one of those holes returning 4m @ 1.5% TREO from 5m. The drilling program is expected to take approximately four weeks to complete, with results towards the end of the September quarter.

Commenting on the renewed exploration push, Managing Director and CEO, George Bauk, said *“In reality, we have hardly scratched the surface at Browns Range, with the vast majority of the tenement package yet to be assessed.*

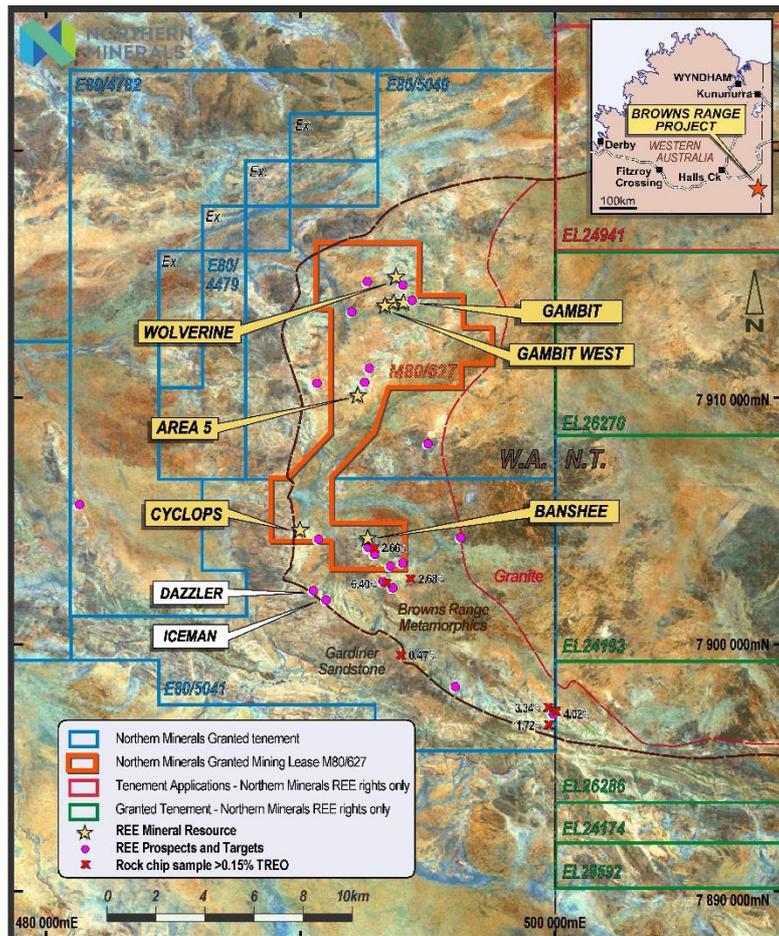
*“With the processing plant now moving into the operational phase, we are excited to be back on the ground, identifying new deposits and adding value for Northern Minerals’ shareholders.”*

### For further information:

George Bauk  
Managing Director/CEO  
Mark Tory  
CFO/Company Secretary  
Northern Minerals  
+61 8 9481 2344

### For media and broker enquiries

Andrew Rowell / Michael Cairnduff  
Cannings Purple  
+61 8 6314 6314



Prospect and deposit location, Browns Range Project

## ASX ANNOUNCEMENT

### About Northern Minerals:

Northern Minerals Limited (ASX: NTU; Northern Minerals or the Company) has commenced commissioning of the Browns Range Heavy Rare Earth Pilot Plant Project in northern Western Australia.

Through the development of its flagship project, the Browns Range Project (the Project), Northern Minerals aims to be the first significant world producer of dysprosium outside of China.

The Project is 100% owned by Northern Minerals and has several deposits and prospects containing high value dysprosium and other HREs, hosted in xenotime mineralisation.

Dysprosium is an essential ingredient in the production of DyNdFeB (dysprosium neodymium iron-boron) magnets used in clean energy and high technology solutions.

The three-year R&D pilot plant project will commence first production of heavy rare earth carbonate in Q3 2018. The pilot plant development provides the opportunity to gain production experience, surety of supply for our offtake partner and assess the economic and technical feasibility of the larger full-scale development.

For more information: [northernminerals.com.au](http://northernminerals.com.au).



ASX Code:	NTU	Market Capitalisation:	A\$91m
Issued Shares:	1,115m	Cash (as at 31 March 2018):	A\$14.9m

### Compliance Statement

The information in this report relating to Exploration Results was compiled by Mr Robin Wilson who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Wilson is a full time employee of Northern Minerals Limited and 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' (the JORC Code). Mr Wilson consents to the inclusion of this information in the form and context in which it appears.

The information in this report that relates to Exploration Results for the Banshee South Prospect is extracted from the report entitled "Exploration and geological review following mining demonstrates additional Browns Range HRE potential" dated 27 November 2017 and is available to view on the Company's website ([www.northernminerals.com.au](http://www.northernminerals.com.au)). The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

For personal use only