



# Havilah Resources

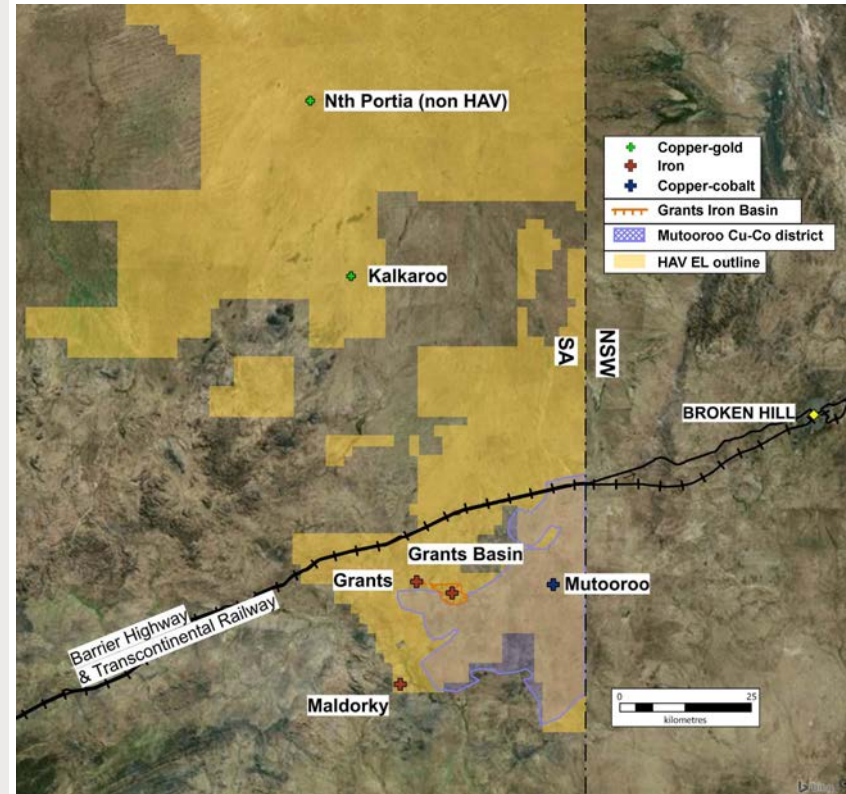
**Very large iron ore deposit located within 10 km of the Transcontinental railway line**



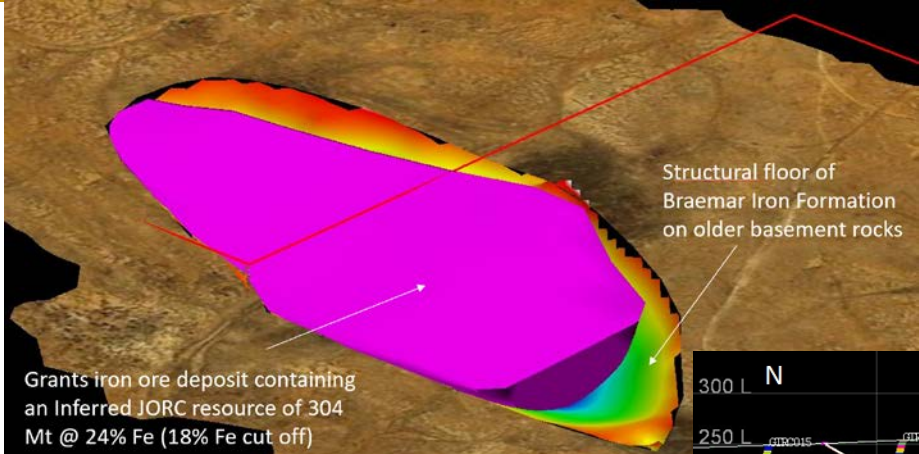
**Grants and Grants Basin Iron Ore Project**

# Favourable logistics in northeastern South Australia

- The deposits lie 8-10 km south of the Transcontinental Railway line and the Barrier Highway. One hour by road from the regional mining centre of Broken Hill with its skilled workforce.
- Continuous heavy duty rail link to Spencer Gulf ports of Whyalla, Port Augusta and Port Pirie.
- The Grants Basin deposit is likely be the largest single iron ore discovery hosted by the Braemar Iron Formation in northeastern South Australia. It is much closer to the railway line than all other deposits in the region.
- Both deposits outcrop at the surface, have simple geometries and minimal internal waste, indicating low waste:ore and favourable mining economics.



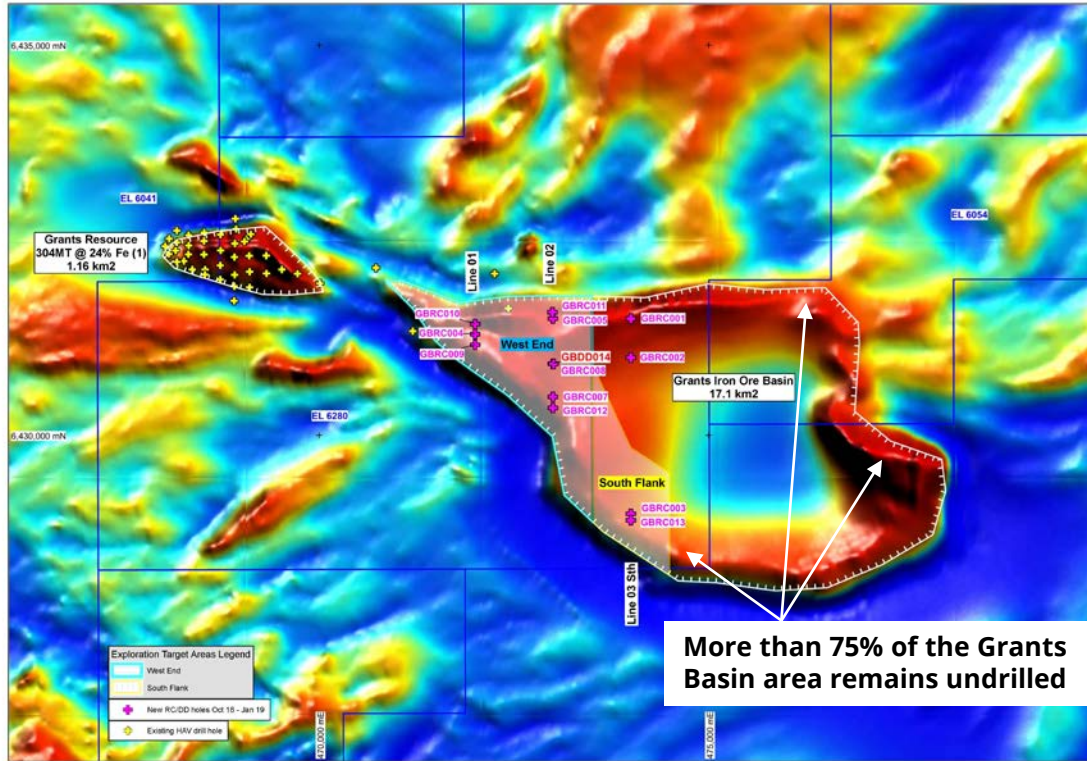
# Grants iron ore discovery-2011



- Large hull-shaped deposit >200m thick in centre.
- Faulted sliver from the southwestern edge of the Grants Basin.
- Lies 8 km south of the Transcontinental railway line and one hour from Broken Hill along the main Barrier Highway



# Grants Basin iron ore discovery - 2018



- Grants Basin is roughly defined by the large donut-shaped higher magnetic intensity feature (red colour) on the aeromagnetic image.
- Drilling to date has discovered iron ore mineralisation over about 25% of the total area of the Grants Basin at its west end and south flank ([ASX release 4 December 2018](#)).
- The 304 million tonne Grants iron ore resource lies immediately west of Grants Basin and was likely faulted from it.

# Grants Basin cross-section line 01

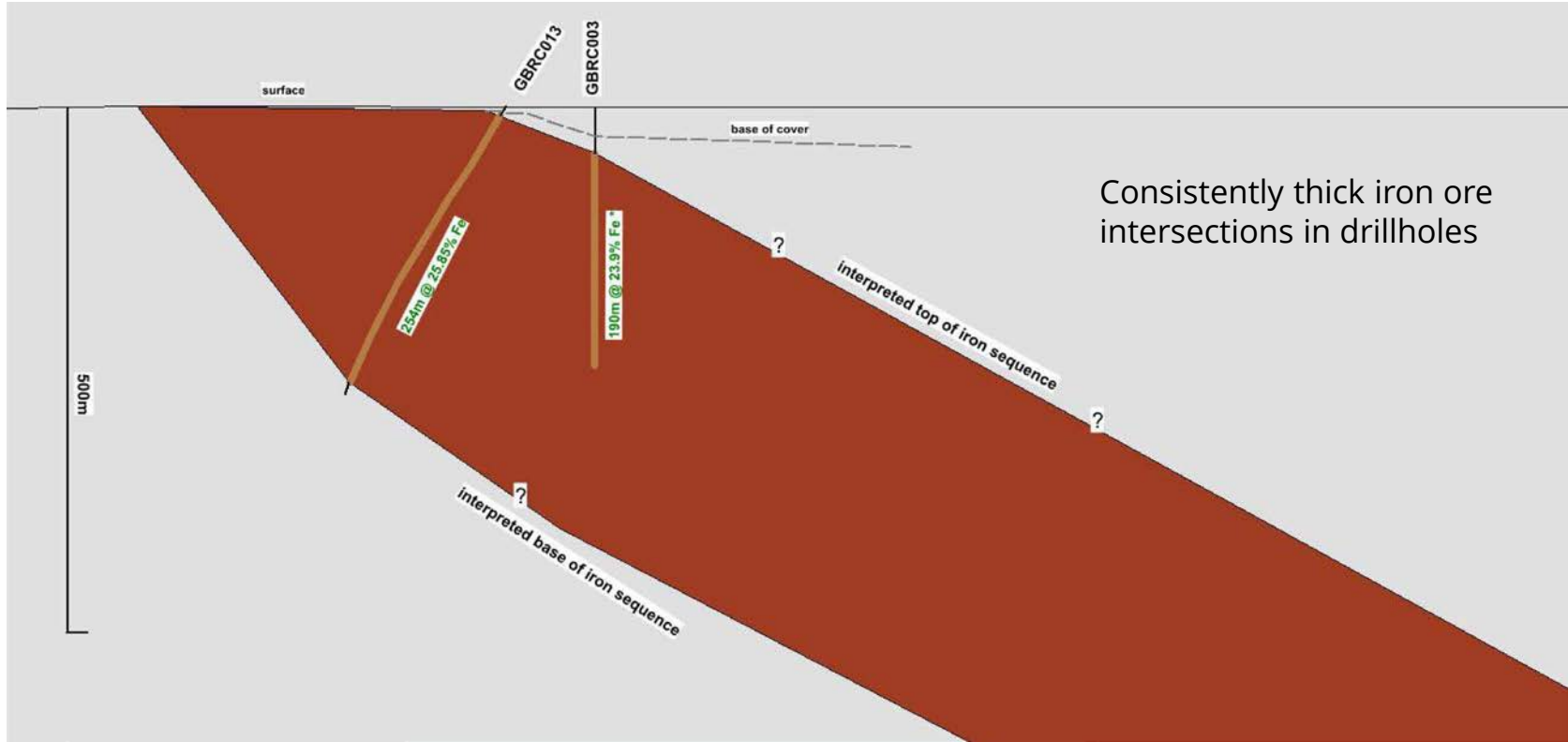


# Grants Basin cross-section line 02

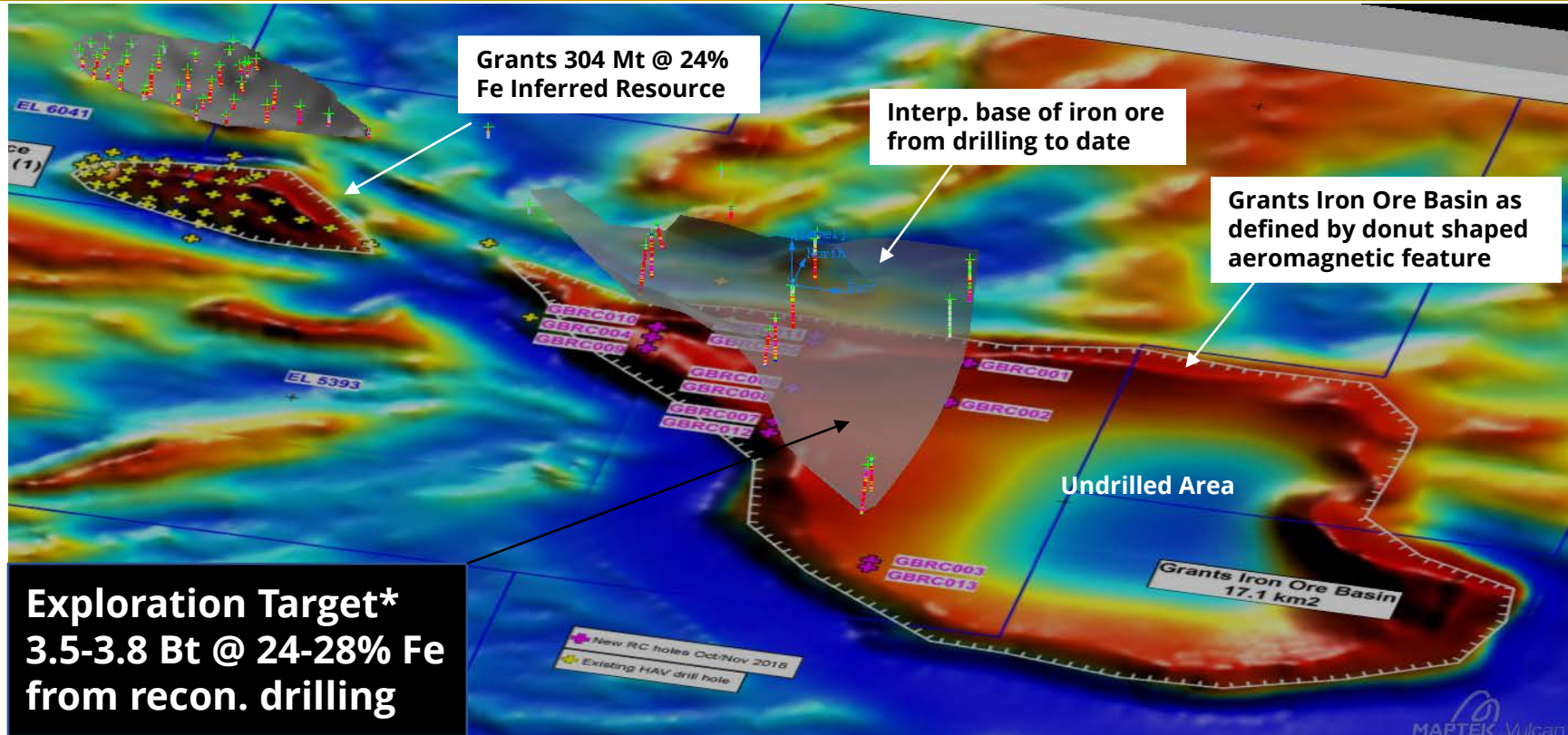
- A large basin shape, the deepest hole so far is 624m with 488m of continuous iron ore at 24.57% Fe ([ASX release 25 June 2019](#)).
- Extensive surface outcrop indicating a potentially very low waste:ore ratio for an open pit mine.
- Coarser-grained, higher grade zones that can potentially be exploited in upper parts of deposit.
- Ore mineralogy is similar to Maldorky and beneficiation characteristics are expected to be comparable.



# Grants Basin cross-section line 03



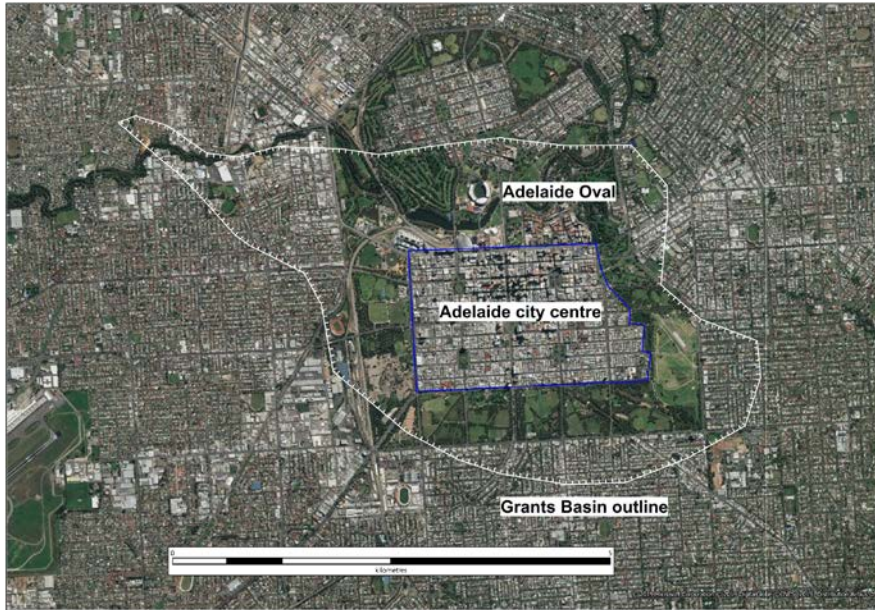
# Grants Basin contains a large Exploration Target\*



**Exploration Target\***  
**3.5-3.8 Bt @ 24-28% Fe**  
**from recon. drilling**

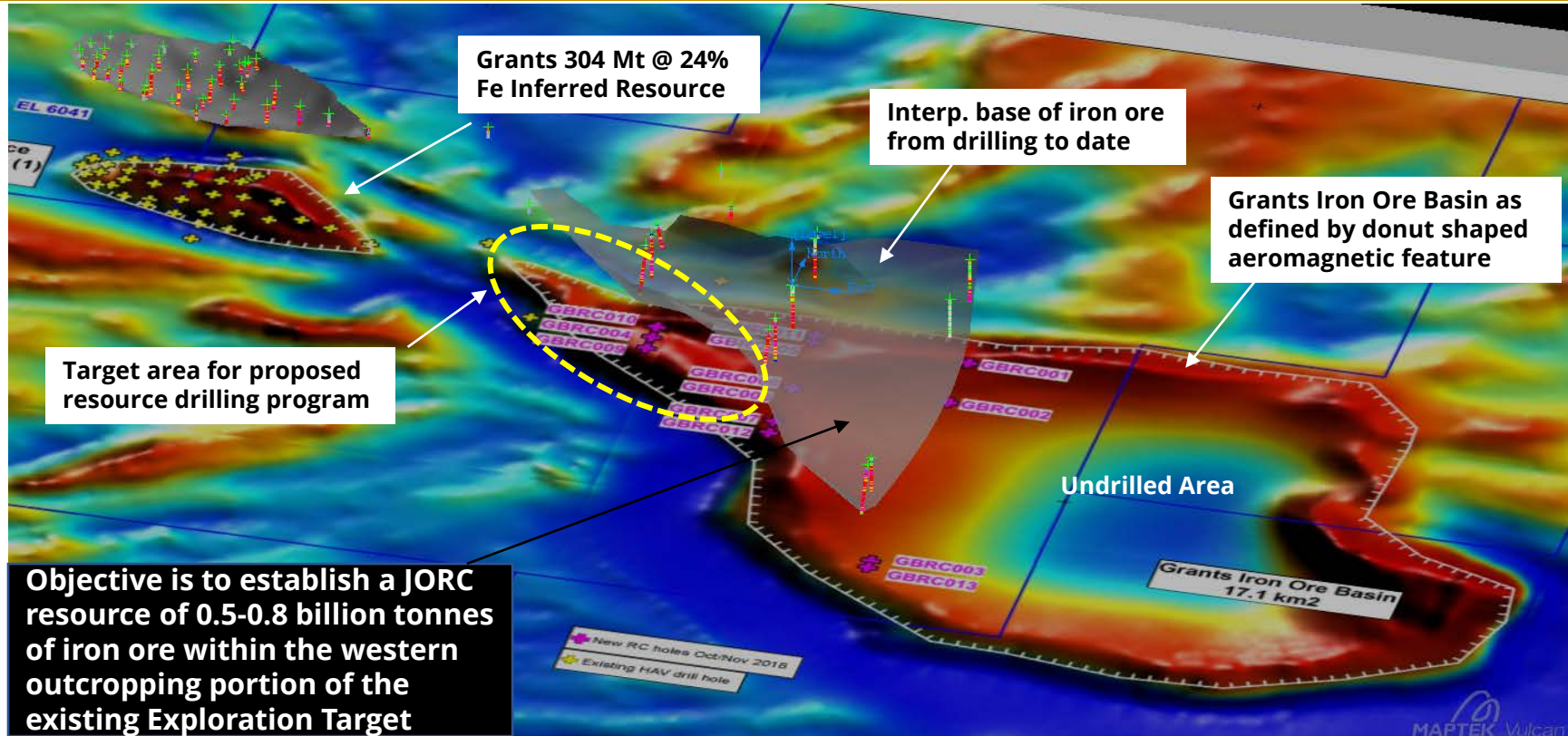


# Grants Basin is very large



Grants Basin area in comparison with Adelaide City and Sydney Harbour

# Grants Basin planned resource drilling 2020



# Video Links for Grants and Grants Basin Projects

Click on the following links to view short videos on the Grants and Grants Basin iron ore projects

## **Grants Project**

[https://www.youtube.com/watch?v=PCV\\_KQnX1PY&list=PLFQCxdQOdNjs4bJdaqvqxggfmj7BVLnB4&index=3&t=5s](https://www.youtube.com/watch?v=PCV_KQnX1PY&list=PLFQCxdQOdNjs4bJdaqvqxggfmj7BVLnB4&index=3&t=5s)

## **Grants Basin 3D Fly Through**

<https://www.youtube.com/watch?v=DSqPmEklyOU>

# JORC Mineral Resources

Project	Classification	Tonnes (Mt)	Iron (%)	Fe concentrate (Mt)	Estimated yield
Maldorky <sup>5</sup>	Indicated	147	30.1	59	40%
Grants <sup>6</sup>	Inferred	304	24	100	33%
<b>Total all projects</b>	<b>All categories</b>	<b>451</b>		<b>159</b>	

## Footnotes to JORC Mineral Resource Table

Numbers in tables are rounded

<sup>5</sup> Details released to ASX: [10 June 2011](#) applying an 18% Fe cut-off (Maldorky)

<sup>6</sup> Details released to ASX: [5 December 2012](#) applying an 18% Fe cut-off (Grants)

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## Competent Person's Statement

The information in this presentation that relates to Exploration Targets, Exploration Results, Mineral Resources and Ore Reserves is based on data compiled by geologist, Dr Chris Giles, a Competent Person who is a member of The Australian Institute of Geoscientists. Dr Giles is Technical Director of the Company, a full-time employee and is a substantial shareholder. Dr Giles has sufficient experience, which is relevant to the style of mineralisation and type of deposit and activities described herein to qualify as a Competent Person as defined in the 2012 Edition of *'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'*. Dr Giles consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.

Except where explicitly stated, this presentation contains references to prior exploration results and JORC Mineral Resources, all of which have been cross-referenced to previous ASX announcements made by Havilah. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant ASX announcements.

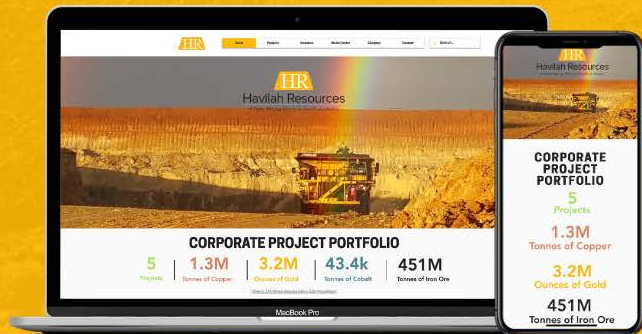
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