

#### **ASX ANNOUNCEMENT**

27 May 2020

# Presentation: Resources Rising Stars Virtual Investor Lunch Series

Breaker Resources (ASX: BRB) is pleased to provide a copy of the presentation to be given by Executive Chairman Tom Sanders at the Resources Rising Stars Virtual Investor Lunch Series event today.

Authorised by the Board of Directors

MICHELLE SIMSON
Company Secretary

27 May 2020

For further information on Breaker Resources NL please visit the Company's website at <a href="https://www.breakerresources.com.au">www.breakerresources.com.au</a>, or contact:

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# Successfully expanding a rare 1Moz# greenfields gold discovery near Kalgoorlie, Western Australia





Resource Rising Stars Virtual Investor Forum 27 May 2020

Tom Sanders
Executive Chairman



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#### **Competent Persons Statement**

The information in this report that relates to Exploration Targets and Exploration Results is based on information compiled by Tom Sanders who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Sanders is an officer of Breaker Resources NL and his services have been engaged by Breaker on an 80% of full time basis; he is also a shareholder in the Company. Mr Sanders has sufficient experience that is relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken 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 Sanders consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

\*The information in this report that relates to the Mineral Resources and Exploration Targets is based on information announced to the ASX on 2 September 2019. Breaker confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements, and that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply.

#### Table: Lake Roe Project Bombora Deposit Mineral Resource September 2019

Notes:

- Reported at 0.5a/t Au cut-off
- All figures rounded to reflect the appropriate level of confidence (apparent differences may occur due to rounding)

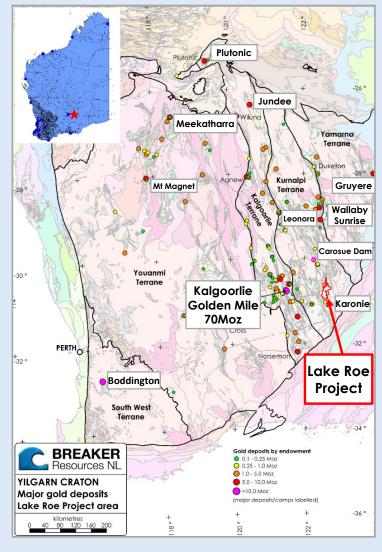
Classification	Tonnes	Au (g/t)	Ounces
Indicated	18,356,000	1.4	803,000
Inferred	4,853,000	1.1	178,000
Total	23,210,000	1.3	981,000



### Expansion builds on large, 1Moz open pit Resource#

- ➤ A large, <u>high-grade</u> gold discovery in a Tier 1 location 100km east of Kalgoorlie Situated between two large operating gold mines (Trans Access Road/rail)
- ▼ 1Moz open-pit Resource# starts 5m from surface (80% Indicated)
  - Open in all directions after 236,000m of RC and diamond drilling
  - Drilling outside the Resource is limited due to an early focus on de-risking an early open pit development option
  - The open pit Resource is part of a much larger gold system
- Growth strategy underway to build value by increasing the Resource, and expanding and de-risking the development options
- ➤ Early success with step-out drilling outside Resource (three drill rigs underway)
  - Gold system increased to over 9km-long with new areas of shallow gold
  - **High-grade lodes discovered at depth -** now have over 2km strike length of high-grade <u>below</u> the open pit Resource
- 100%-owned, large, 600km² tenure with granted mining lease
  - 40km of strike with district-scale gold potential
  - Feasibility-level metallurgy/advanced environmental and hydrological studies

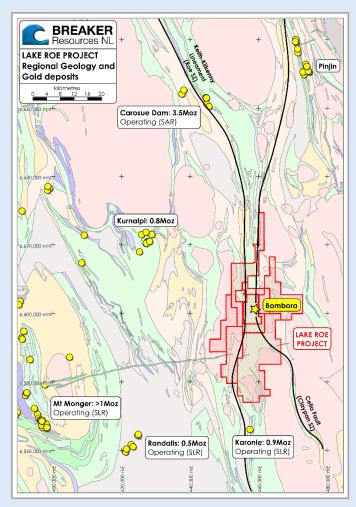
#### Lake Roe Project - Location

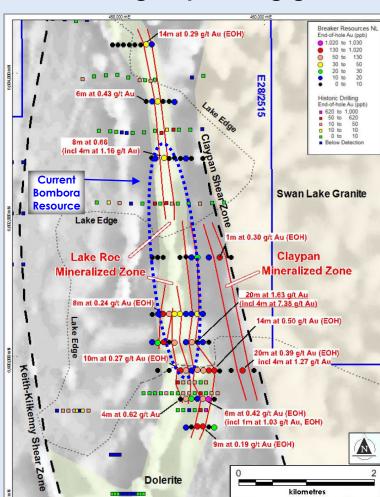




## Location and background

### Situated between two large operating gold mines 100km east of Kalgoorlie





Lake Roe Project location

Maiden Aircore Drilling Program
ASX Release Map August 2015\*

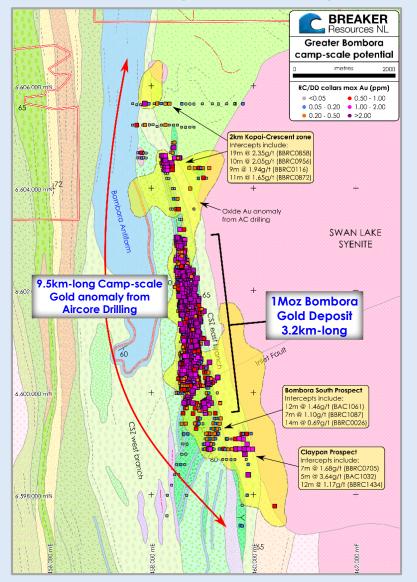
- ▼ 2012: Breaker IPO, targeting new gold systems under transported cover in Kalgoorlie region
- 2014: Pegged Lake Roe regional structural target adjacent to newly identified iron-rich dolerite; Now 600km<sup>2</sup>
- 2015: "New Gold System Identified" by AC drilling (one hole jagged 4m @ 7.38g/t Au but we were seeing continuity on a wide drill spacing which suggests a large gold system)
- 2016: First primary gold in BBRC0001 in Feb followed by three separate discoveries that later merged into one continuous deposit in Sep after more drilling (and only after scoping the system over 6km with a lot more AC and RC)
- 2017-2019: Open pit resource drill-out/PFS studies

  AC expansion drilling (Jun-Nov 2019)
- 2020...ongoing growth/discovery drilling



### 1Moz open pit Resource# is part of a 9km-long gold system

#### RC & Diamond Drilling Maximum Gold (g/t Au)\*

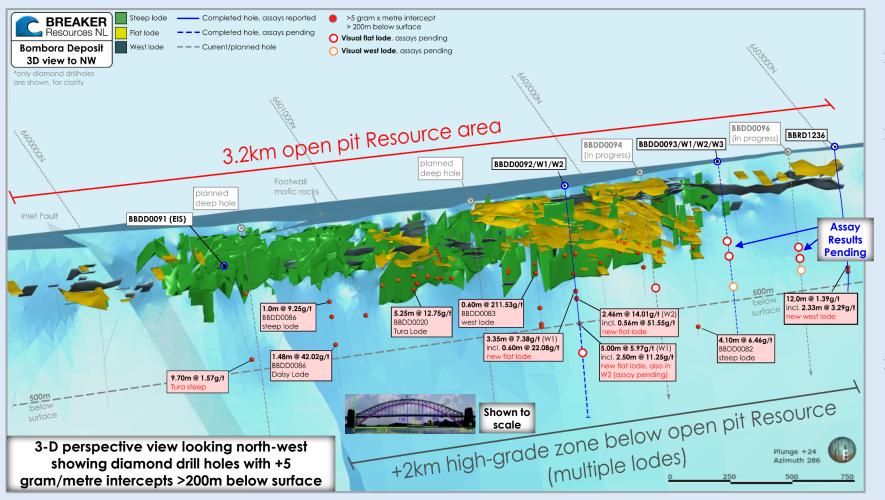


- ➤ Lake Roe is a new gold "camp" not just Bombora
- ➤ Drilling outside 1Moz# Bombora deposit is still reconnaissance in nature due to early open pit focus and the size of the project
- ➤ We already have another primary gold discovery at Crescent (not in Resource) – proof of diversity in camp
- Recent drilling has upgraded a 2km-long zone extending 2km north of Crescent
   RC drilling currently in progress
- ➤ Other targets are present to the north and south of Bombora You are only looking at ~10% of the Lake Roe Project



### What does the 1Moz Bombora open pit Resource look like?

#### Multiple lodes over 3km with limited drilling below and on extremities



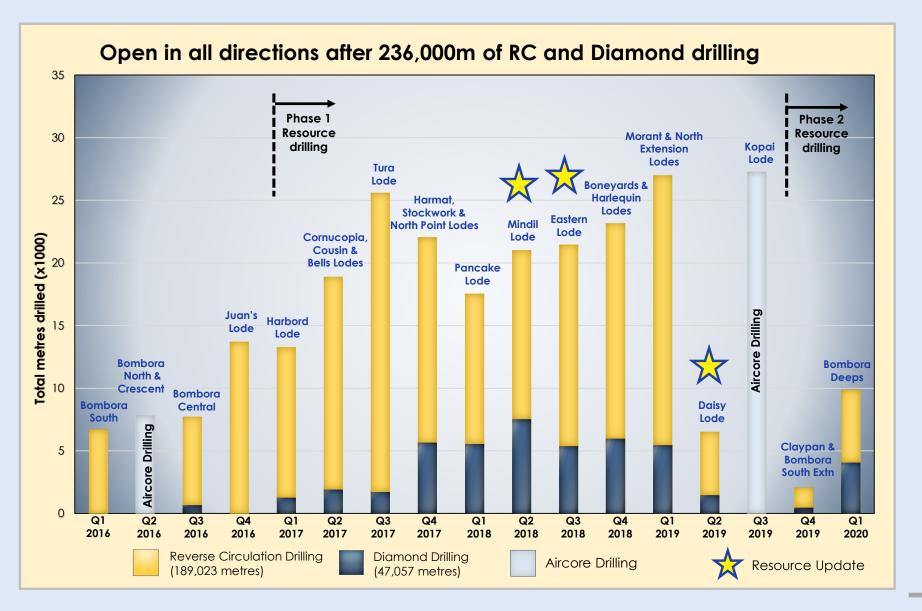
- ▼ The size of the system is generally not well understood
- Two diamond drill rigs are doing 300m-spaced step-out holes in preparation for resource expansion below the open pit Resource. We are:
  - (i) discovering new lodes, and
  - (ii) identifying material extensions
- We are seeing individual high-grade lode systems over ~1km-long!

Over 2km strike length of high-grade gold in multiple lodes <u>below</u> the Resource (not in Resource)



# We drill aggressively and we get results consistently

- At least one discovery each quarter for last four years
- Discovery cost of A\$18/Inferred oz\*
- Not a typical "tabular" discovery
  we see multiple lodes over a large area hosted by iron-rich dolerite
  just like the 70Moz
  Golden Mile deposit





# The Company

### Industry professional aligned with shareholders, tight register, well-funded

#### **Senior Team**

Tom Sanders

Mark Edwards

Mike Kitney

**Linton Putland** 

**Eric Vincent** 

Michelle Simson
Company Secretary

Executive Chairman (geologist)

Non-Executive Director (lawyer)

Non-Executive Director (process engineer)

Non-Executive Director (mining engineer)

Non-Executive Director (US capital markets)

**Alastair Barker**Exploration Manager

Michael Outhwaite
Supervising Geologist

#### **Capital Structure**

▼ Issued Securities

**231.3m fully paid shares)** (7.7m unlisted options)

★ Market capitalisation

**~\$65M** (\$0.28/share; 24/05/2020)

× Cash

**\$6.8M** (31/03/2020; no debt)

**▼** Largest Shareholder

**Tom Sanders** (Executive Chairman ~10%)

➤ Tight share register 60% Funds and high net worths (incl. Electrum, SSI, Konwave, Nestor, Stabilitis, Deutsche)



Tom Sanders
Executive Chairman

BSc (Geology) Sydney University MSc (Mineral Economics) Curtin University; MAusIMM; FAICD



Mike Kitney Non-Executive Director

Ass Met WA Institute of Technology; Post Grad Dip (Extractive Metallurgy) WA School of Mines; MSc (Mineral Economics) Curtin University; MAusIMM; MAICD



Mark Edwards
Non-Executive Director

BJuris, LLB University of Western Australia



Linton Putland
Non-Executive Director

BEng (Mining) WA School of Mines; MSc (Mineral Economics) WA School of Mines; MAusIMM; GAICD



Eric Vincent
Non-Executive Director

Juris doctor, Harvard Law School President Sarissa Capital Management LP; former CEO of Electrum Group



# The Lake Roe Project

### Thin transported cover (5m-10m) conceals bedrock



~30% of deposit under salt lake embayment



The remainder is like this

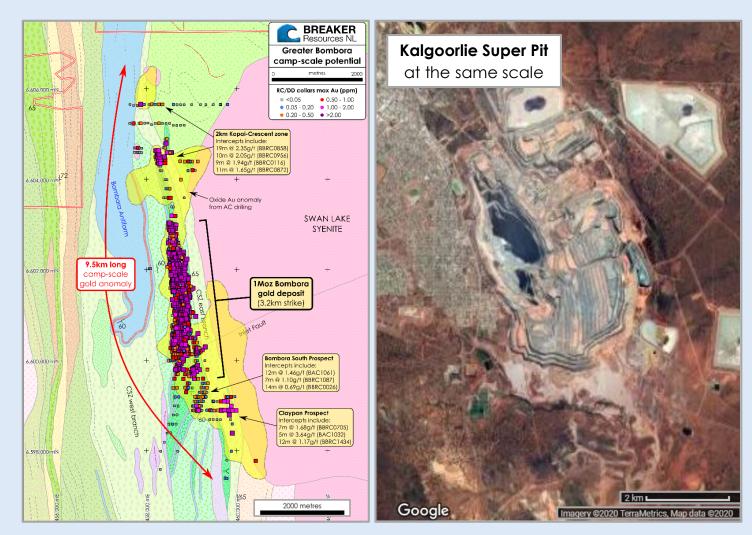


# Typical Archean lode mineralisation style with scale

Best geological analogy is Golden Mile,
 Kalgoorlie

Three lode orientations in iron-rich part of dolerite over a large area (with similar scale surface footprint)

➤ Typical Archean dolerite-hosted lode system
The dominant mineralisation style in Western
Australia; eg. Kalgoorlie, Paddington, St Ives these typically go to great depth



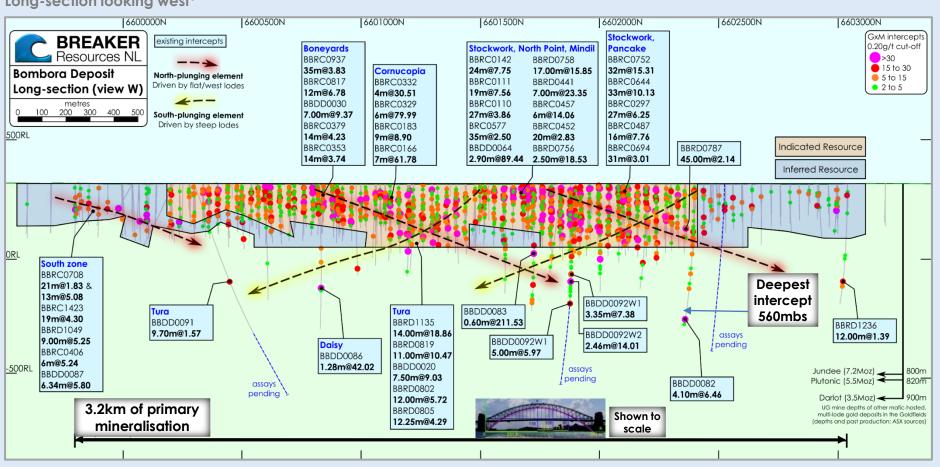
A large gold deposit limited by the extent of drilling



# High-grade by nature close to surface and at depth

### A shallow 1Moz open pit Resource# that is open in all directions

#### Long-section looking west\*



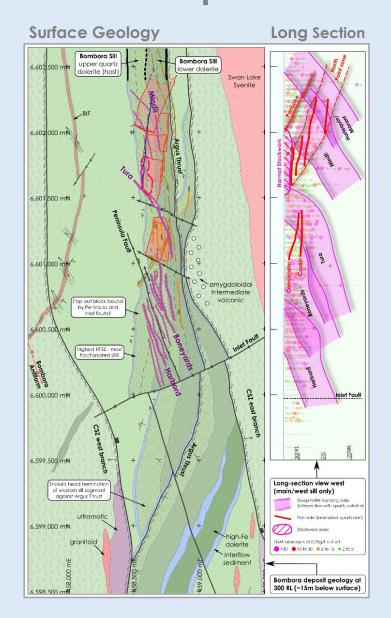
- High-grade gold starts 5m from surface
- Multiple high-grade lodes extend over a 2km strike length below the Resource

Open pit Resource 80% Indicated 18.4Mt@ 1.4g/t gold (803koz) Inferred

4.8Mt @ 1.1g/t gold (178koz; partially drilled out)

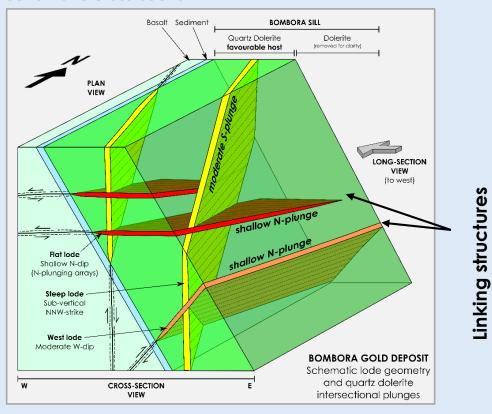


## Dominant mineralisation style in WA



Multiple, steep, stacked mineralised shears (lodes) with linking flat- and west-dipping lodes in a regular geometry

#### **Schematic cross-section**



#### STEEP LODES

Early and fundamental Through-going, ductile Lode-style (vein-poor) ~50% contained Au

#### **WEST LODES**

Linked to steep lodes
Late brittle-ductile
Lamprophyre link?
~15% contained Au

#### **FLAT LODES**

Linked to steep lodes Late ductile-brittle ~30% contained Au

The gold best developed in iron-rich part of dolerite (stratabound)





### 2020 Growth Plans



### **▼** Following Slide Themes:

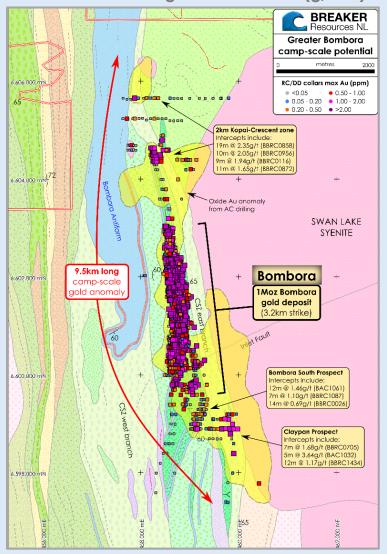
- 1. Shallow gold along strike
- 2. High-grade gold at depth
- 3. Regional discovery



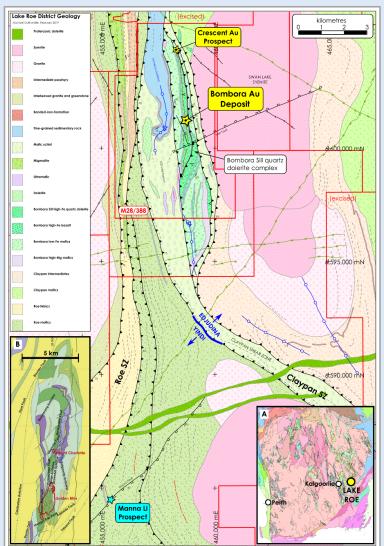


# 2020 - Shallow gold along strike – the big picture

#### RC & Diamond Drilling Maximum Gold (g/t Au)\*



#### Lake Roe Project Project Geology

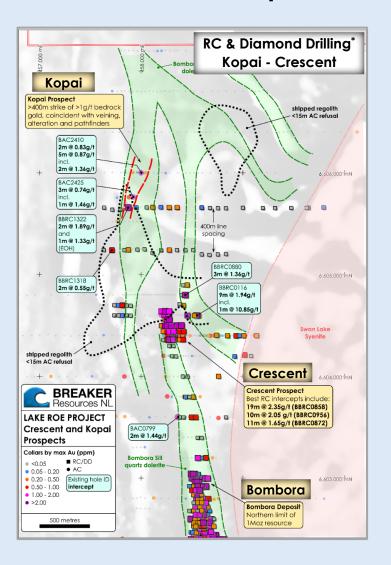


- We have many significant reconnaissance drill intersections "floating in space" outside the Bombora deposit
- RC and diamond drilling outside
   Bombora still reconnaissance in nature
- Our expectation is ongoing discovery as a result
- ★ 600km² of lightly explored tenure with large-scale regional structure and 40km of continuous strike
- 2km Crescent-Kopai target
   1km Bombora South target
   6km Claypan/Swan Lake target
   6km Far North target
   Other Regional targets



### 2020 - Shallow gold along strike – 2km-long Kopai/Crescent area

### Shallow step-out intercepts 3km north of Bombora deposit



#### ▼ Crescent Prospect

Multiple wide intercepts >2g/t Au\* (not yet in Resource) We see this potentially attached to something bigger

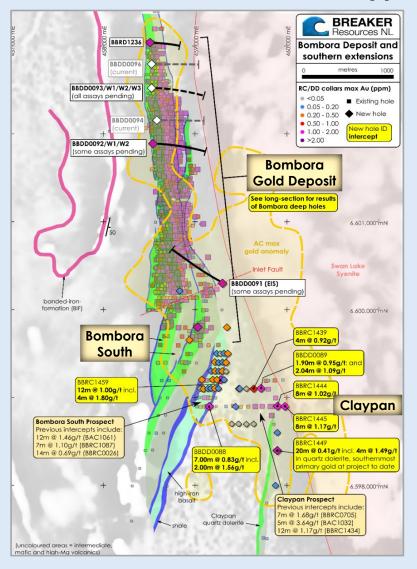
#### Kopai Prospect

- Plus 1g/t bedrock gold over >400m strike in widespaced (400m x 40-80m)drilling despite stripped regolith (limited hole penetration)
- Similar grades were seen in early drilling at Bombora deposit (eg. maximum of 1m @ 1g/t Au in 900m-long lake area)
- ➤ First meaningful RC drill program currently in progress to test 2km-long Kopai/Crescent target (~6,000m)



### 2020 - Shallow gold along strike – Bombora South and Claypan

### Bombora South and Claypan Prospects south of Bombora deposit



Significant wide-spaced RC and diamond drill intersections in area of large-scale aircore goldpathfinder anomalism

#### × Bombora South

West-dipping lodes appear dominant south of Inlet Fault - eg. 3.22m @ 11.22g/t Au in BBDD0087\*

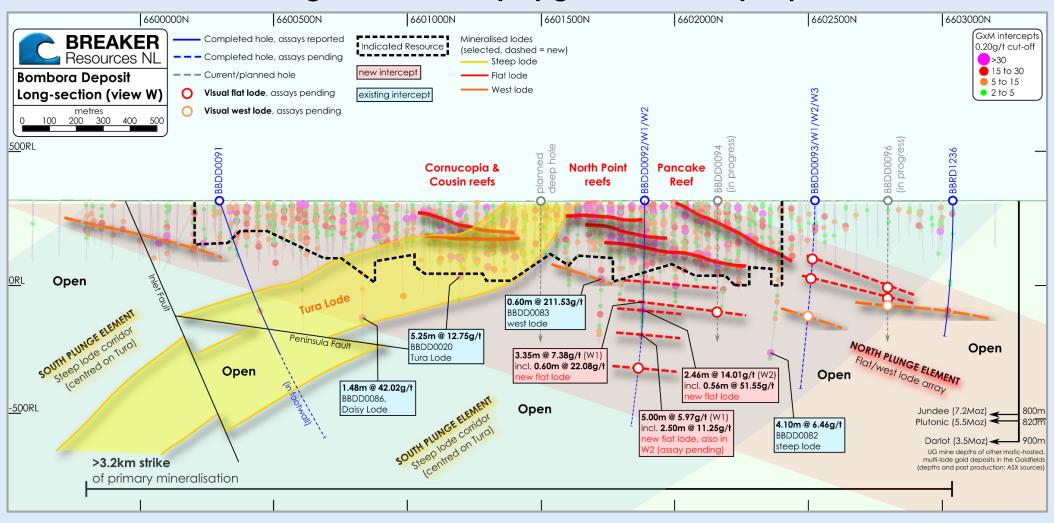
#### × Claypan

Still locating primary gold source/controls; Reconnaissance RC hits up to 12m @ 1.17g/t Au\*



# 2020 - High-grade gold at depth – overview

### Recent drilling has materially upgraded the depth potential





## 2020 - High-grade at depth – the steep "feeders"

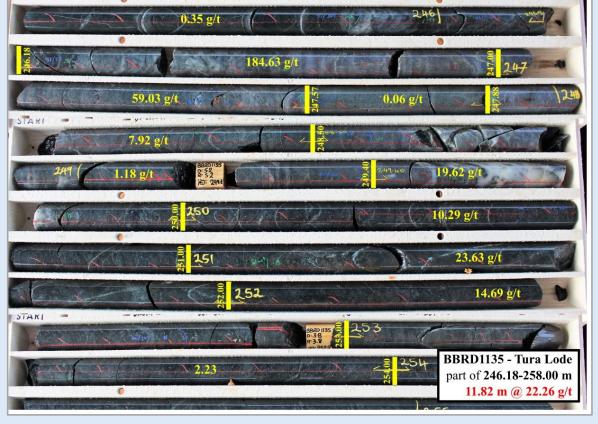
### Tura lode - High grade with scale and regularity

#### Tura Lode (steep lode)\*



Typical silica-albite-sulphide Tura Lode mineralisation in BBRD1135 at 246.70m (assaying 184.63g/t Au); Multiple clusters of fine visible gold are circled in red; Core diameter is 47.60mm\*

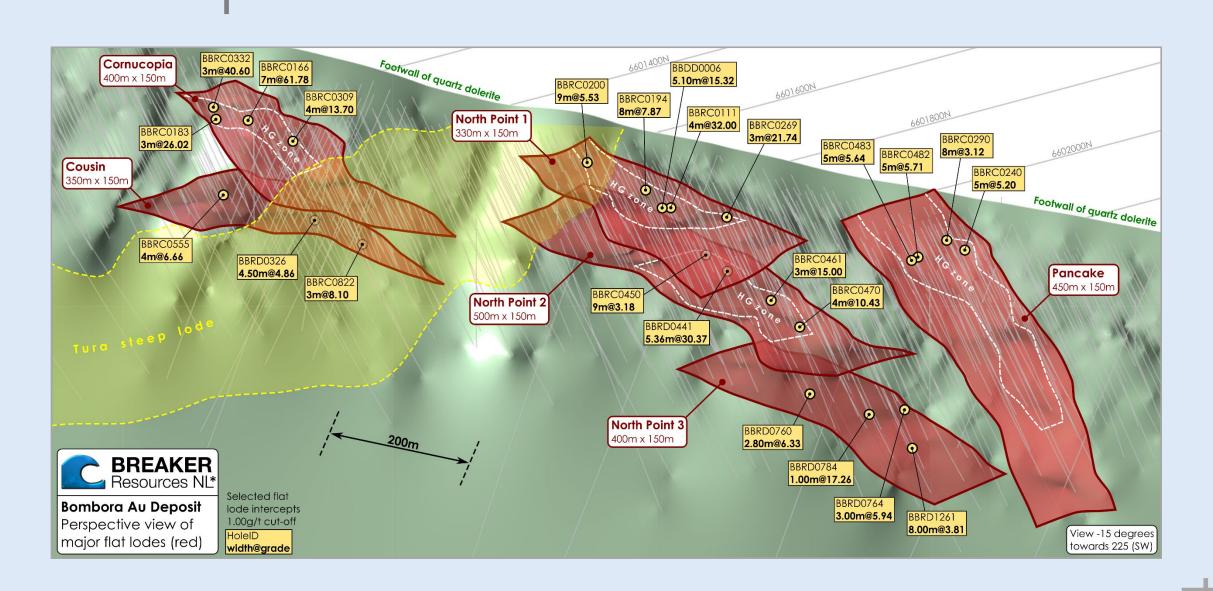
#### Tura Lode (diamond drill core)



BBRD1135 - 11.82m @ 22.26g/t Au\*



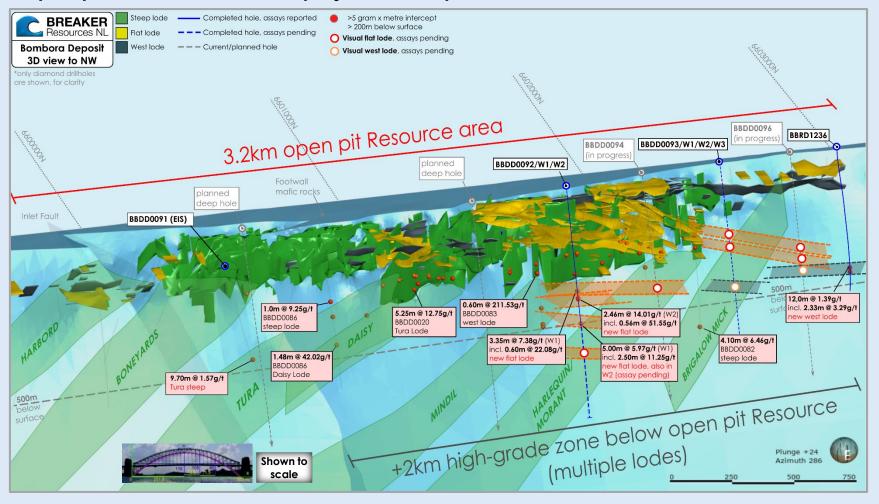
# 2020 - High-grade "linking" flat lodes (known)





# 2020 - New high-grade gold opening up at depth

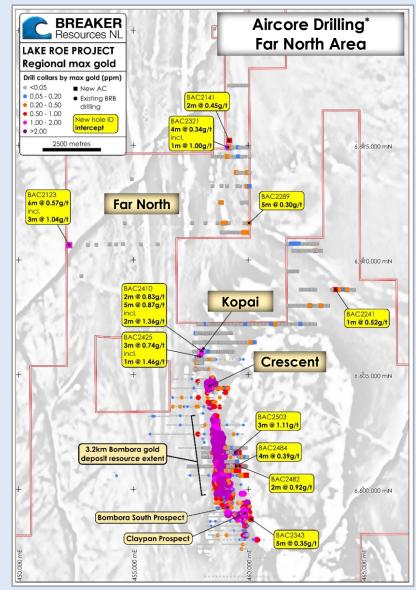
#### Open pit Resource area with projected steep shears/lodes with new flat and west lodes

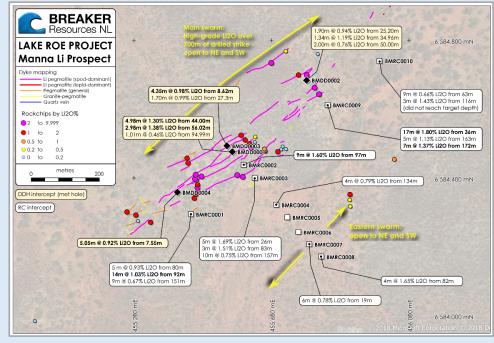


- We are discovering new lodes, and identifying material extensions on 300m-spaced step-out holes
- This is important the wide drill spacing is due to the large size of the deposit and it makes the results more material
- At the same time we are scoping the system to adequately plan the resource delineation drilling
- We have materially upgraded the underground mining potential



# 2020 - Regional discovery – a good head start





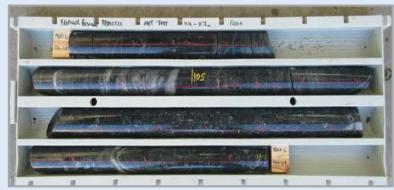


Manna spodumene BMDD0001 41.40-45.01m\*

- ➤ Far North area
  10km north of Bombora
  Anomalous gold over a
  wide area from first pass
  geochemical drilling
- Strong gold potential associated with major Claypan and Roe shear zones
- Greenfields spodumene
   lithium discovery at Manna,
   15km south of Bombora
  - Only 10 x RC and 4 x DD holes into main swarm
  - Intercepts up to 17m @
     1.80% Li<sub>2</sub>O\*



# Metallurgical results indicate excellent gold recovery



Comminution (oxide/fresh)



Gravity/cyanide extraction (oxide/fresh)

 ★ Modest ore hardness

Ball mill work index <16kWh/t for fresh mineralization

▼ Excellent gold recovery

92% oxide and fresh (using saline site water) 96%-99% (using freshwater)

- High gravity gold 31%-77% (oxide) 32%-90% (fresh)
- Rapid gold leach kinetics

90% gold in 4 hours Low reagent consumption No deleterious elements

Amenable to standard gravity/CIP/CIL plant

Metallurgical results point to low-cost processing\*



## Summary













- ➤ Camp-scale, greenfields discovery, 100km from Kalgoorlie: a rare commodity
- **Existing 1Moz Resource**# **de-risked**: Mining Lease, metallurgy, environmental and mining studies
- **2020 focus on growth** to de-risk future development
- ➤ Paths to growth are clear with runs on the board:
  - 1. High-grade gold at depth (extension and discovery)
  - 2. Shallow gold along strike (discovery)
  - 3. Regional discovery
- ➤ When we drill, we find: quality geology, large footprint de-risk exploration

# Successfully expanding a 1Moz# greenfields gold discovery near Kalgoorlie, Western Australia





Thank You RRS Virtual Investor Luncheon Series 27 May 2020