

## INVESTOR PRESENTATION

Great Southern Mining Limited (GSN, the Company, ASX: GSN) wishes to advise that Chief Executive Officer, Sean Gregory, is attending the Diggers and Dealers Mining Forum in Kalgoorlie, Western Australia between the 2<sup>nd</sup> and 4<sup>th</sup> August 2021.

An updated Company presentation is attached, incorporating the first batch of results received from the drilling program at the Southern Star gold project, with outstanding intersections noted including **59m @ 2.1 g/t gold from 53m** (refer to ASX announcement 2/8/21 for more details).

Shareholders are welcome to contact the GSN office on (08) 9240 4111 at anytime to arrange a face to face meeting with Sean or John Terpu (Executive Chairman) and obtain a direct update on their Company.



Sean Gregory (CEO) – Diggers and Dealers 2021

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**This announcement is authorised  
by the Executive Chairman  
on behalf of the Board of GSN.**



# Creating Value Through Discoveries

Investor Presentation

Diggers and Dealers August 2021



# Corporate overview



## CAPITAL STRUCTURE

**455M**  
SHARES ON ISSUE

**157M**  
LISTED OPTIONS  
Exercise Price \$0.05

**\$26M**  
MARKET CAP  
as at Jul 28, 2021 (5.7c)

**\$1.4M**  
CASH  
as at Jun 30, 2021

## SHAREHOLDERS

**Top 20 =**

	<i>(excluding Directors)</i>	<i>(including Directors)</i>
	<b>40%</b>	<b>70%</b>

## BOARD OF DIRECTORS & MANAGEMENT

### Mr John Terpu, Executive Chairman

- *More than 20 years' commercial and management experience*
- *Former MD of Conquest Mining Limited (now Evolution Mining Limited) for 12 years and led the discovery of the Mt Carlton gold/silver/copper project*

### Mr Sean Gregory, Chief Executive Officer

- *More than 20 years' experience as a geologist and project developer with Barra Resources (MD), Min Res (GM Technical), MMX (GM Geology), BHP (Principal Geologist)*
- *Track record of numerous successful mine developments and corporate transactions*

### Mr Matthew Blake, Non-Executive Director

### Ms Kathleen Bozanic, Non-Executive Director

### Mr Andrew Caruso, Non-Executive Director

### Mr Mark Petricevic, CFO & Company Secretary

## Key Assets and Fundamentals



### Strategic Projects

- Laverton Gold District (>25Moz) – Duketon (incl. Southern Star), Mon Ami
- North QLD Gold District (>20Moz) – Edinburgh Park (Au, Cu, Ag)
- Other commodities – East Laverton nickel sulphide potential

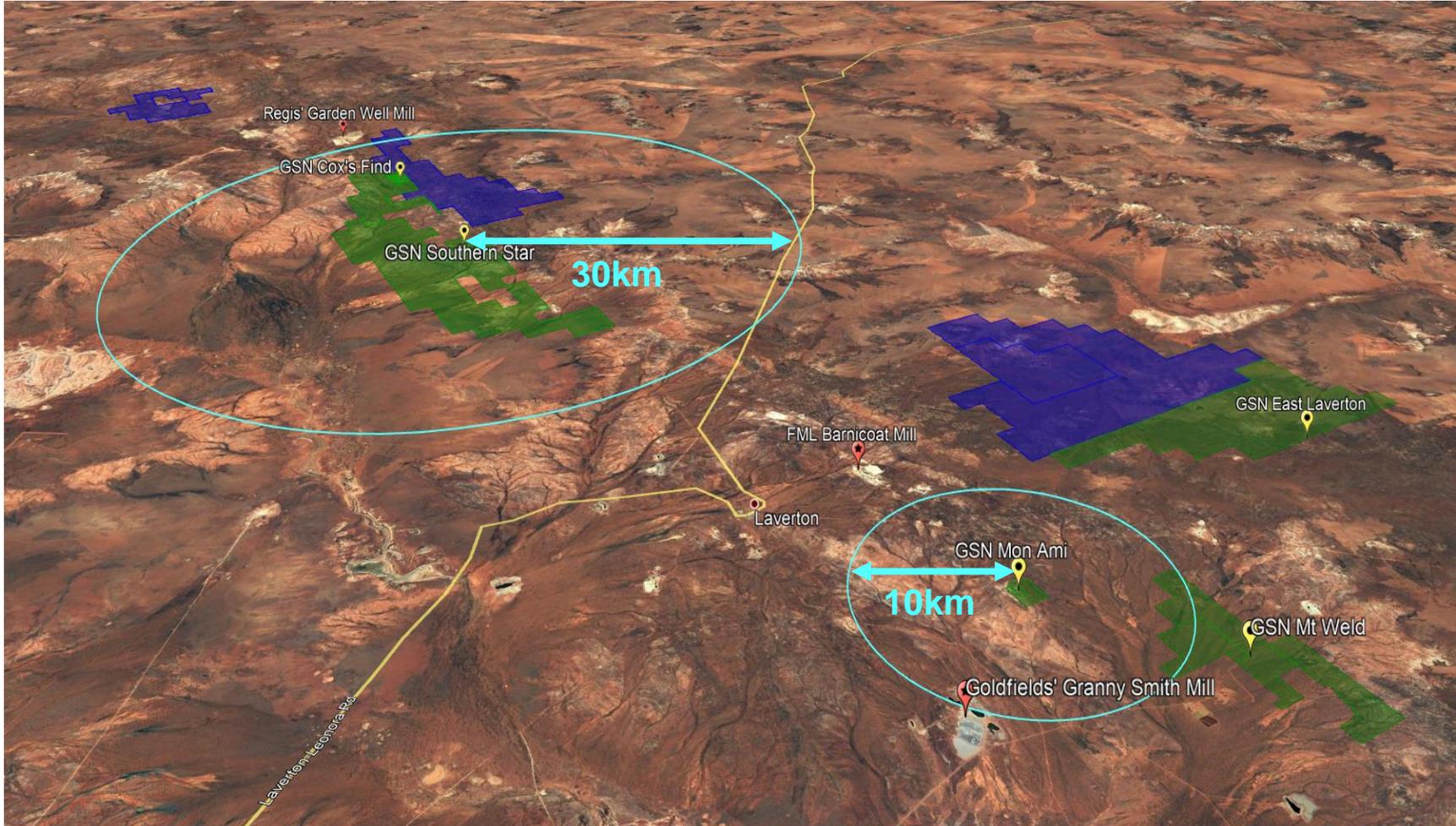
### The Right Team

- Management team with proven track record in value creation
- Advanced exploration infrastructure in place

### Extensive Work Program

- Drilling Underway on Duketon Gold Project (incl. Southern Star)
- Grassroots exploration ongoing across vast landholdings >2,000km<sup>2</sup>
- QLD exploration team ranking drill targets

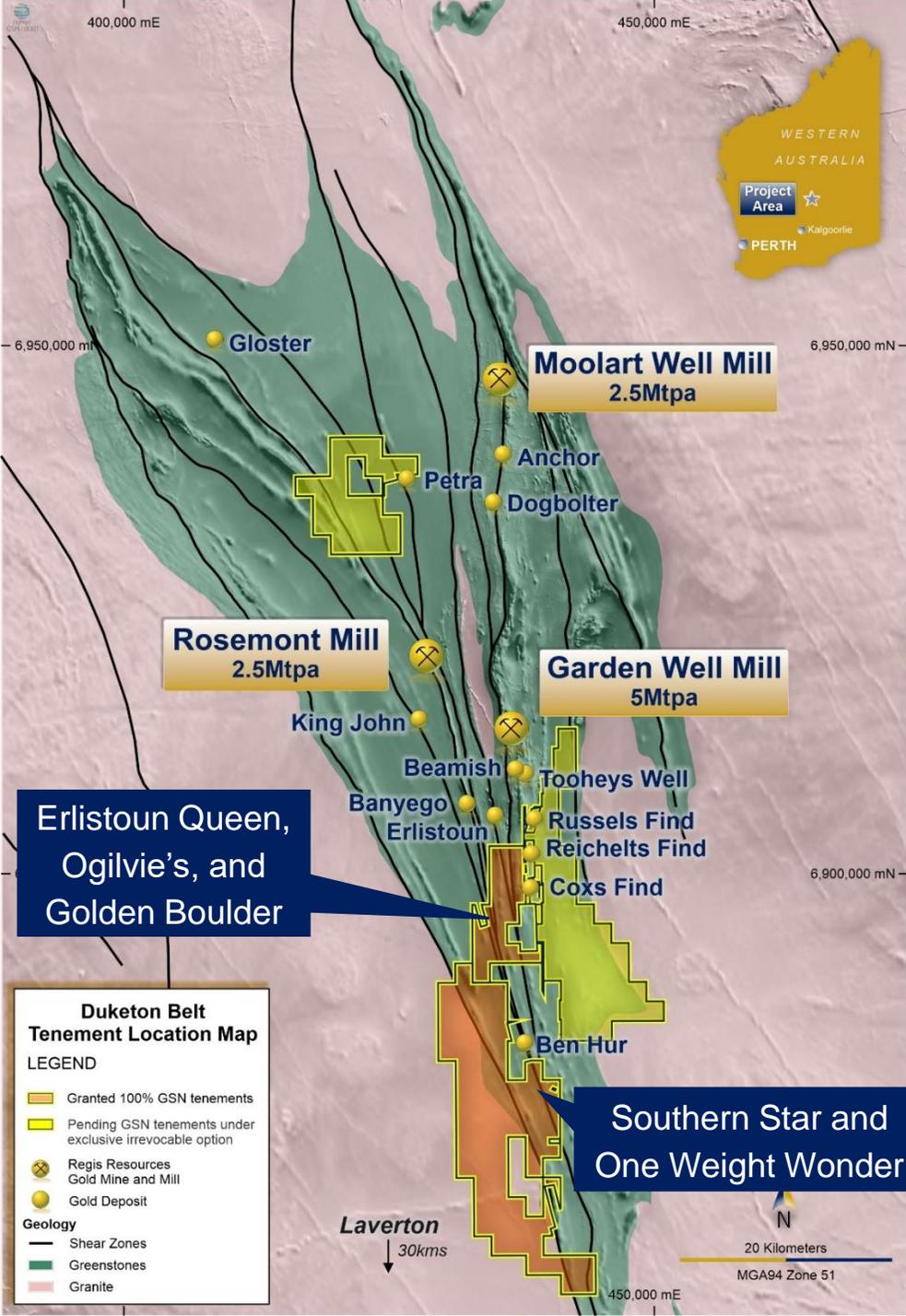
# WA Gold Projects: Close to Operating Mills



- Southern Star within 30km of Regis' low-grade Garden Well Mill
- Mon Ami is only 10km from Goldfields' Granny Smith Mill (operating at 50% capacity)<sup>1</sup>
- 8 potential milling solutions within 150km of Laverton

<sup>1</sup>Source: [www.goldfields.com/australia-region.php](http://www.goldfields.com/australia-region.php) "3.5Mt Capacity" vs June 2020 Half Yearly Report of 877kt processed at Granny Smith

# Duketon Gold Project



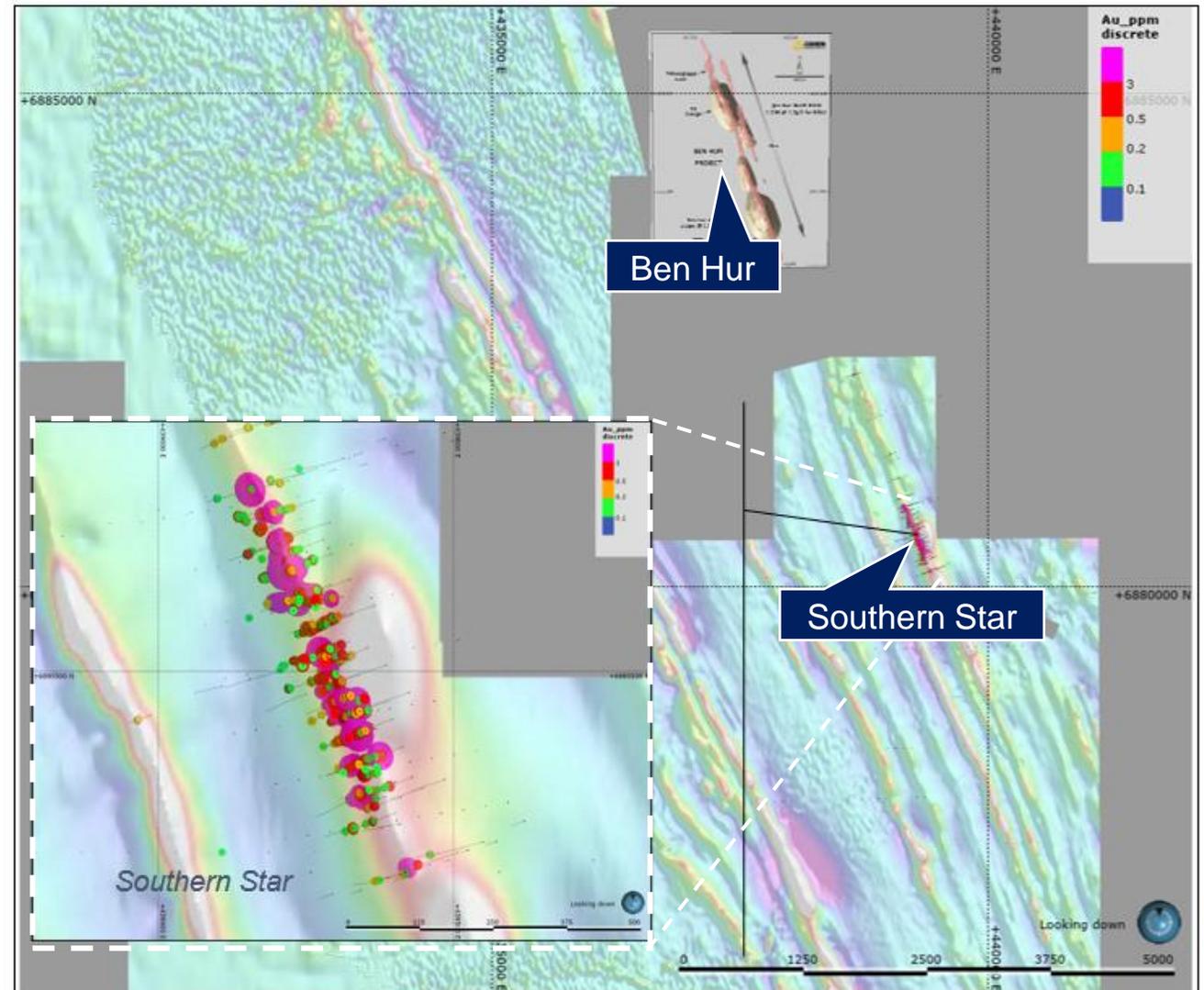
- Recent agreements now bring GSN's Duketon Belt landholding<sup>1</sup> to 459km<sup>2</sup>
- GSN the second largest landholder in the Duketon Belt with 10% of the greenstone
- >50km strike length of the main mineralised structures in the belt to explore
- GSN presently drilling at Southern Star gold deposit and nearby gold prospects

<sup>1</sup> Including tenement applications and exclusive irrevocable options

# Duketon: Southern Star Deposit



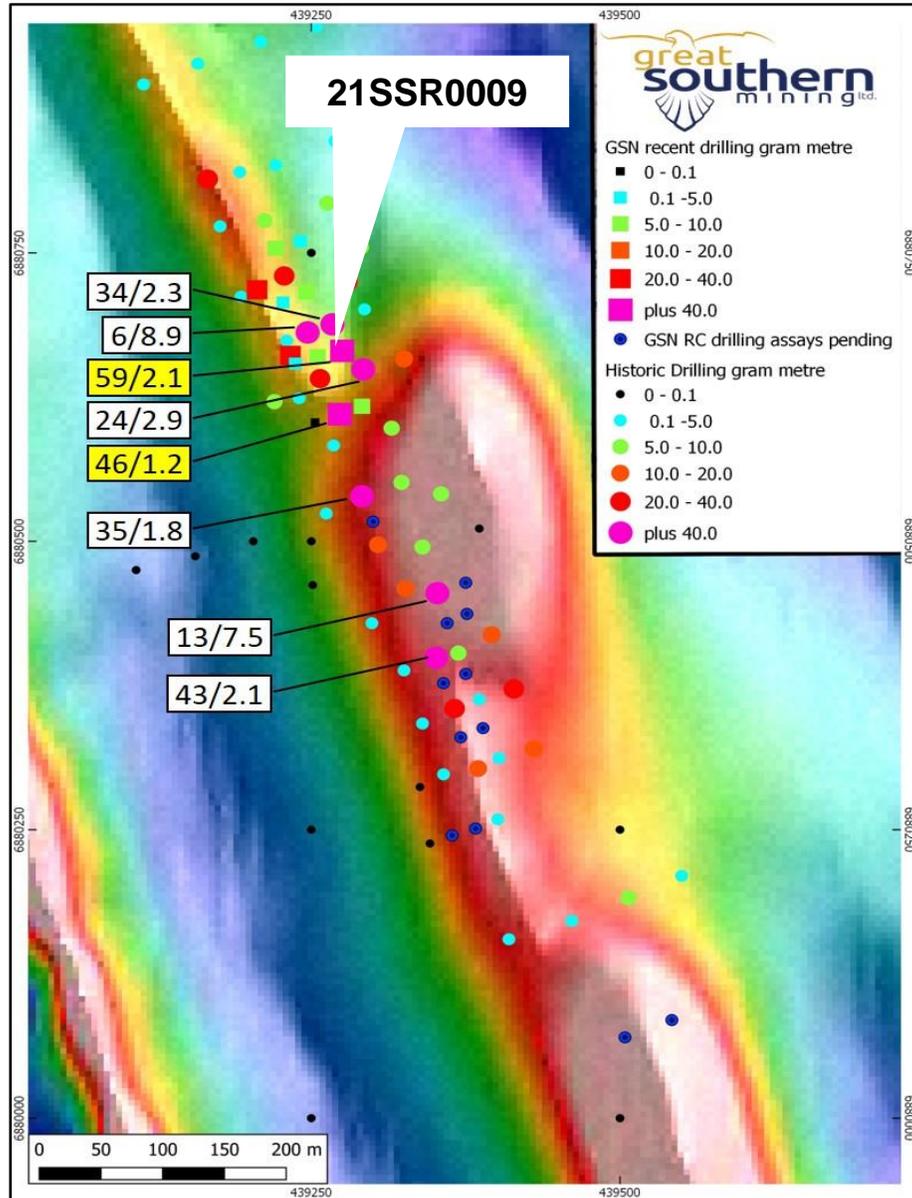
- 100% GSN owned
- 4km along strike from Regis' 390koz Ben Hur Deposit<sup>1</sup>
- Previously drilled 2017-18
- >600m strike of thick continuous stacked gold mineralisation open in all directions<sup>2</sup>
- RC drilling underway



<sup>1</sup> Refer to ASX:RRL Announcement 6/4/21

<sup>2</sup> Refer to ASX:GSN Announcement 2/2/21

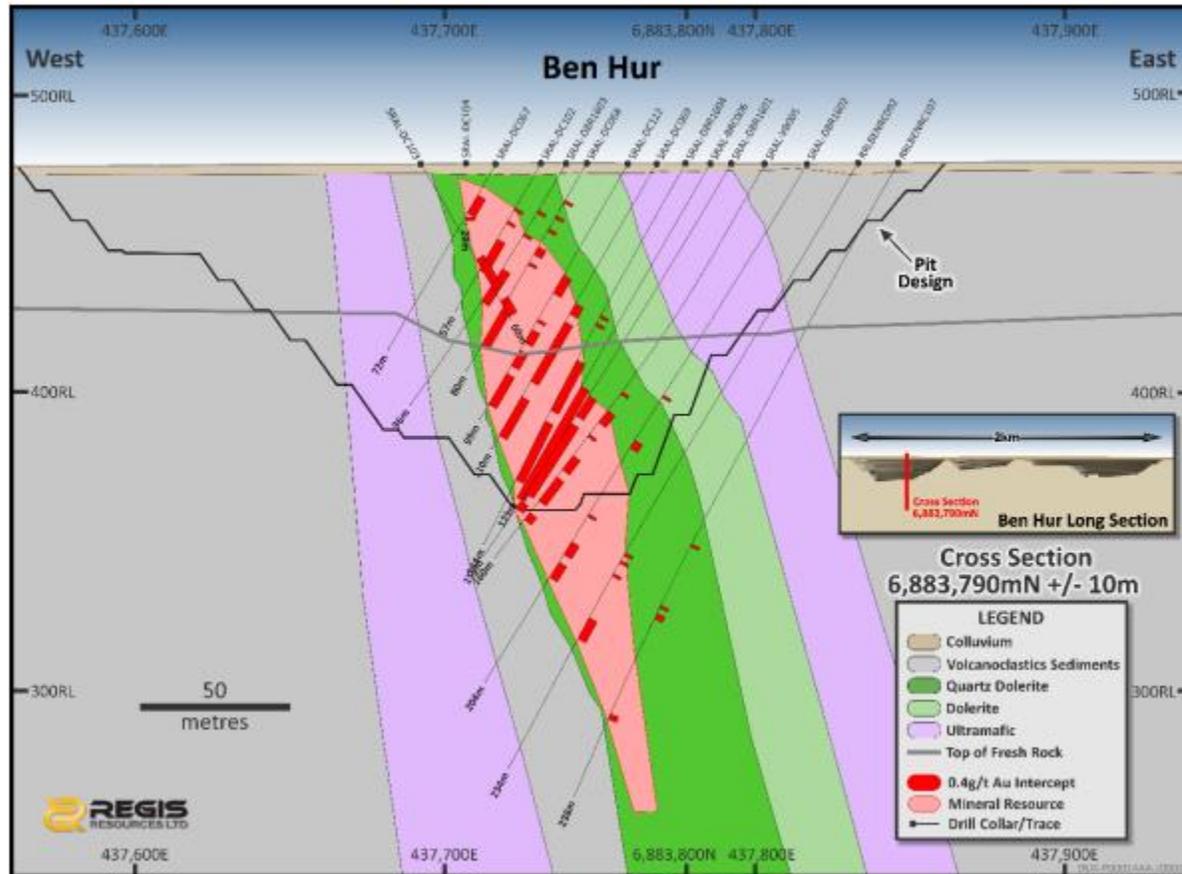
# Duketon: Southern Star First Results



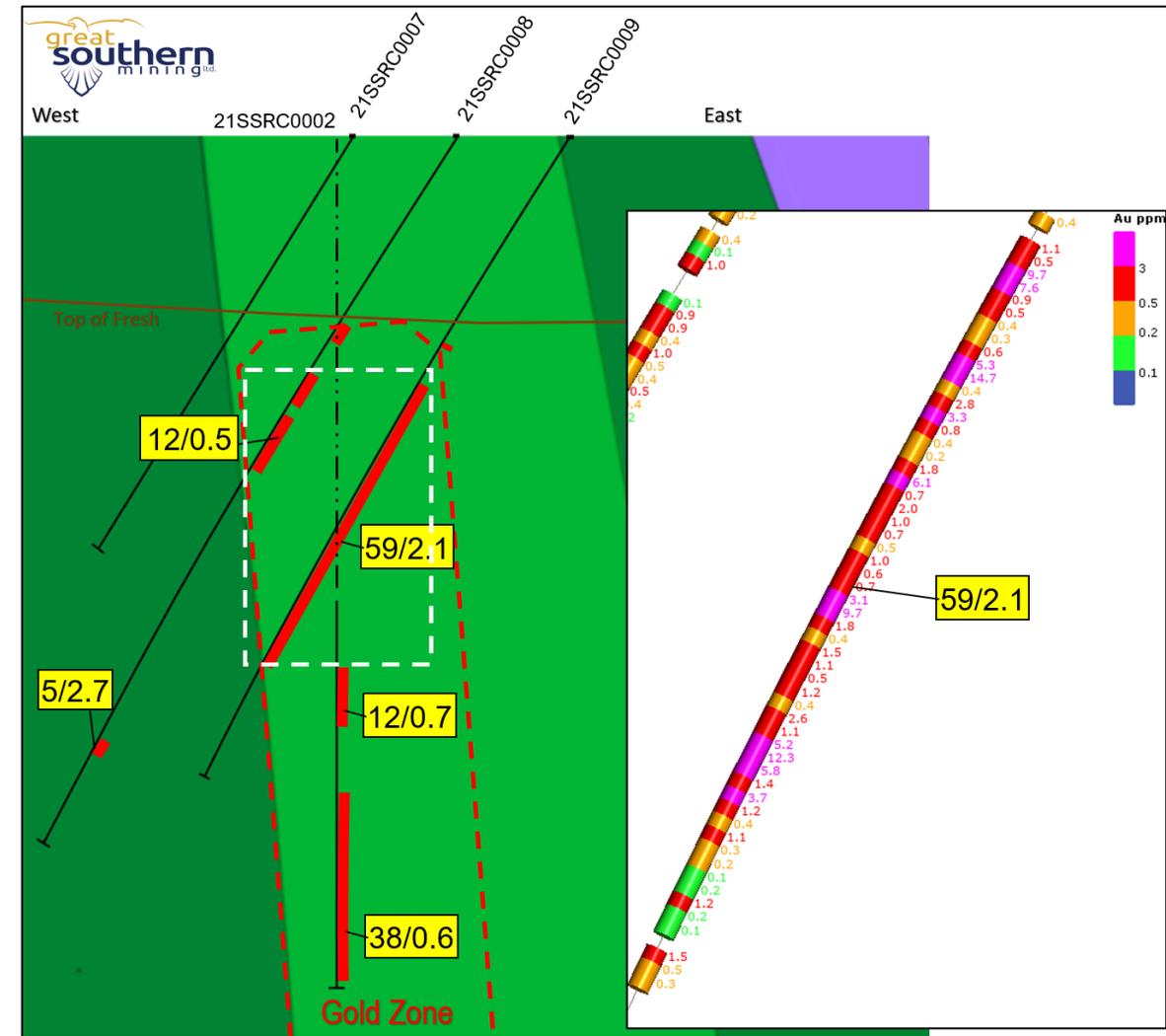
- First batch of assays received:
- **59m @ 2.1 g/t Au** incl. 9m @ 4.5 g/t Au and 16m @ 3.2 g/t Au from 53m in 21SSRC0009 – best intersection encountered at Southern Star to date
- **46m @ 1.2 g/t Au** incl. 11m @ 3.4 g/t Au from 40m in 21SSRC00011
- **19m @ 1.8 g/t Au** incl. 6m @ 3.9 g/t Au from 64m in 21SSRC0001\*
- 21SSRC0002\*
  - **12m @ 1.0 g/t Au** incl. 2m @ 3.9 g/t Au from 69m;
  - **14m @ 1.1 g/t Au** incl. 3m @ 3.0 g/t Au from 84m;
  - **12m @ 0.7 g/t Au** incl. 1m @ 3.7 g/t Au from 114m; and
  - **38m @ 0.6 g/t Au** incl. 2m @ 4.5 g/t Au from 140m
- **5m @ 2.7 g/t Au** incl. 2m @ 6.3 g/t Au from 127m in 21SSRC0008
- 12 holes at Southern Star still pending assays
- Planning urgent follow up drilling
- Drilling ongoing at other Duketon regional targets

Refer to ASX Announcement 2/8/21 for details of the drilling results  
 \*Holes 21SSRC0001 and 21SSRC0002 drilled along strike to test for cross cutting veins; results are apparent thicknesses down hole

# Duketon: Southern Star Cross Section



Cross section 6883790mN of the Ben Hur deposit (Regis Resources) located 4 km north west of the Southern Star deposit highlighting gold mineralisation within the same quartz dolerite unit within the same lithological sequence

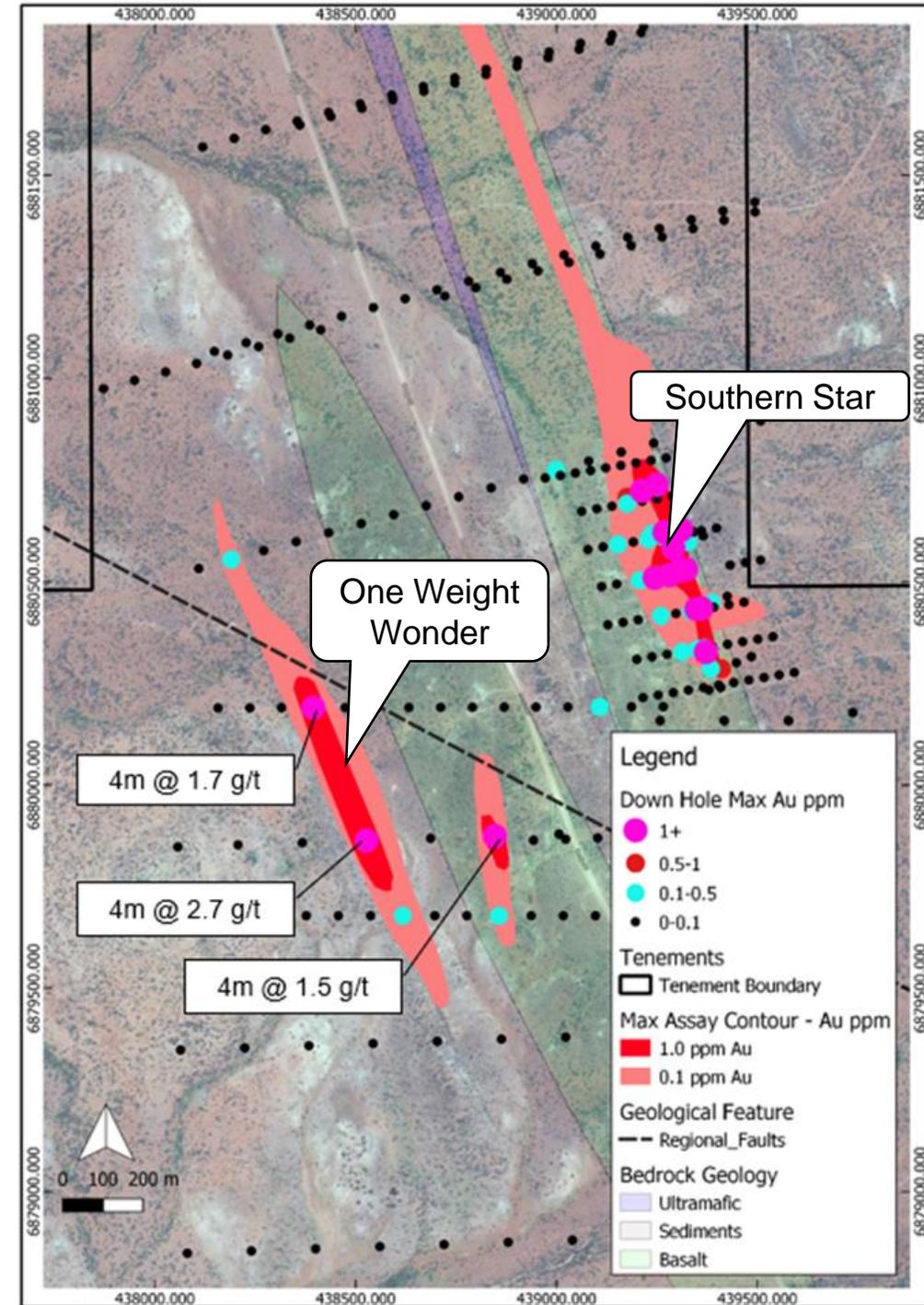


Cross section 6880660mN +/-40m highlighting standout intersection in drillhole 21SSRC009 within the quartz dolerite.

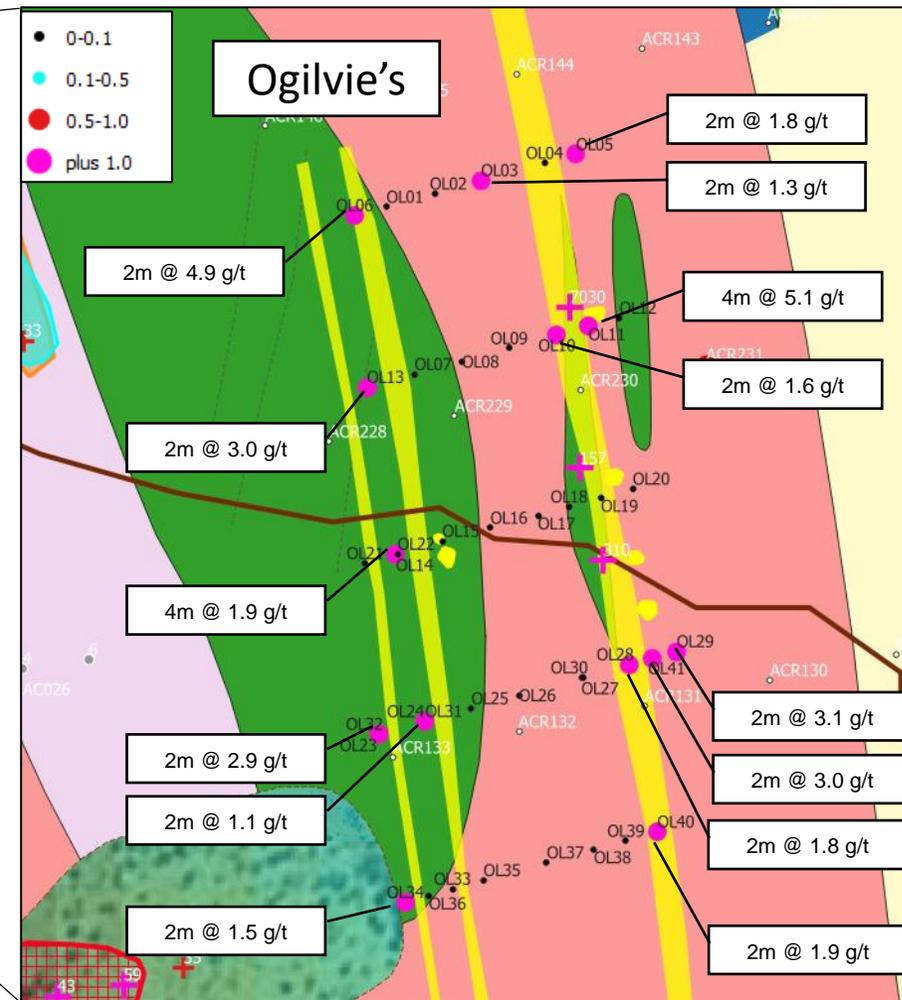
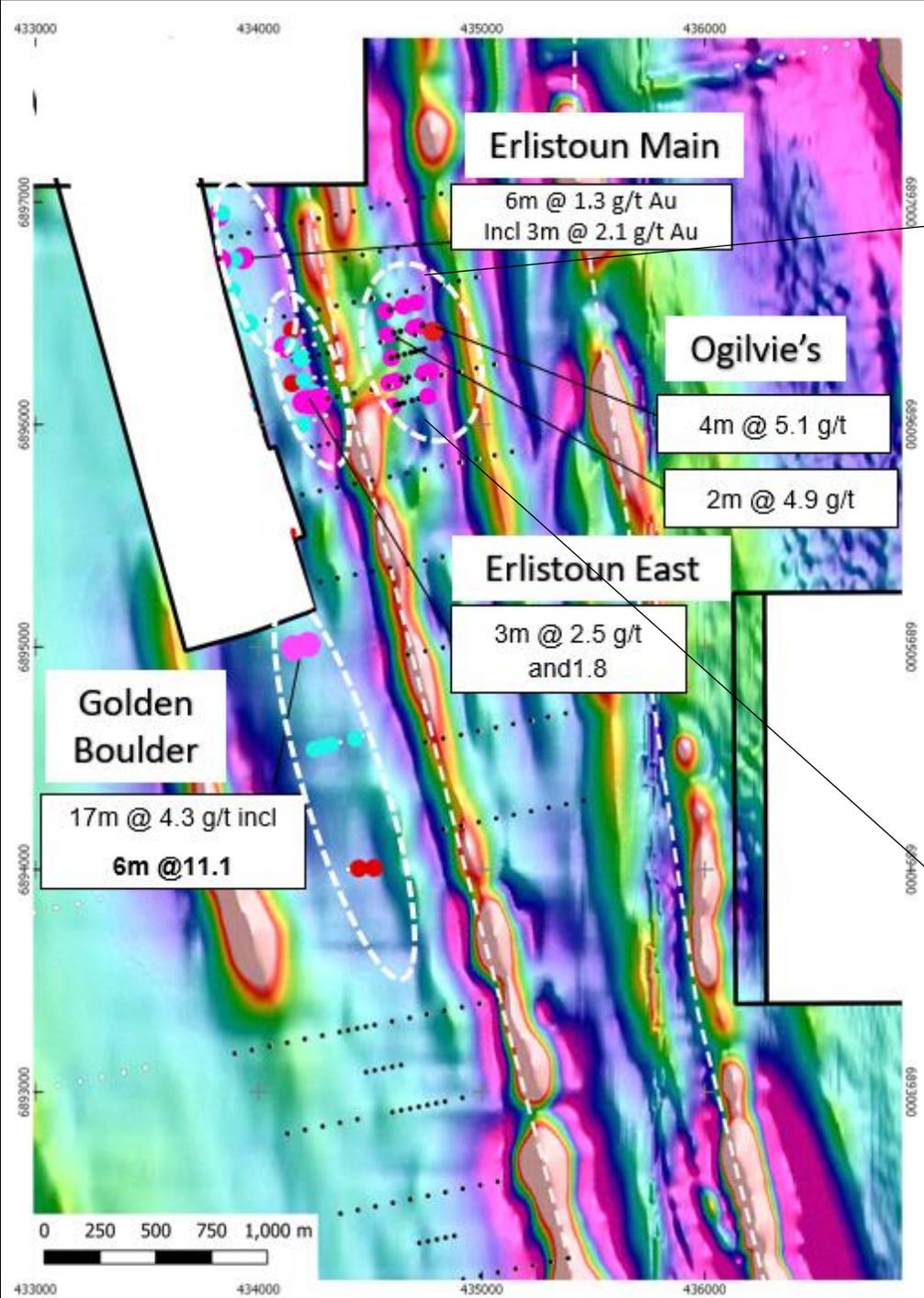
# Duketon: One Weight Wonder

- Historical RAB intersections<sup>1</sup>:
  - 4m @ 2.7 g/t Au from 28m
  - 4m @ 1.7 g/t Au from 28m, and
  - 4m @ 1.5 g/t Au from 12m
- Coincident with GSN 2021 soil anomaly
- 1,000m RC drilling underway behind and along strike from these intersections

<sup>1</sup>Refer ASX:GSN Announcement 27/4/21



# Duketon: Erlistoun



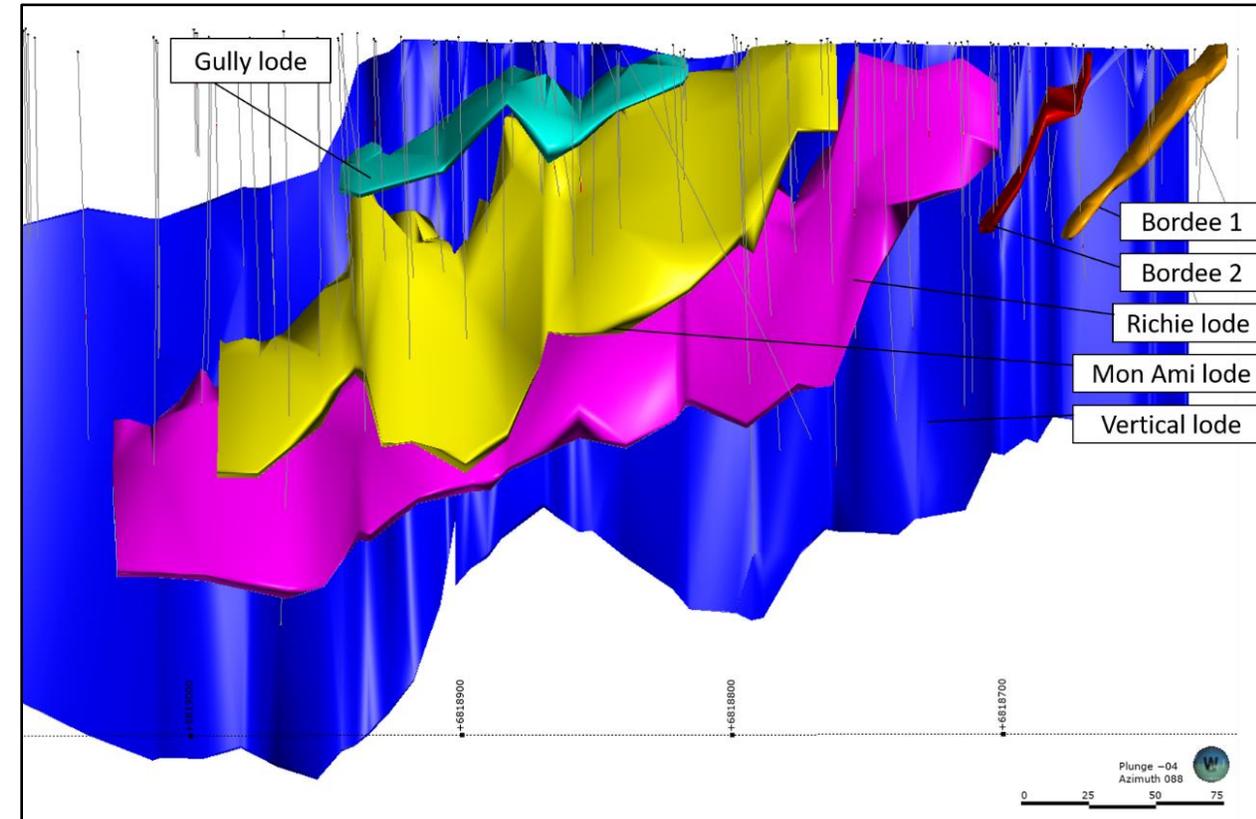
<sup>1</sup> Refer to ASX:GSN  
Announcement 8/7/21

- Numerous >2m @ >2g/t Au historical RAB and AC intercepts<sup>1</sup>
- 4,000m RC extension to current program planned

# Mon Ami: Updated Mineral Resource



- Mineral Resource 1.56Mt @ 1.11 g/t Au for 55.5 koz Au<sup>1</sup>
- 95% in Indicated Classification
- Metallurgical recovery average 95% in oxide and transition zone<sup>2</sup>
- Environmental and Technical Studies completed to support future Mining Proposal approval under the *Mining Act 1978* (6-week process) once milling arranged
- Discussions underway with nearby mill owners and developers



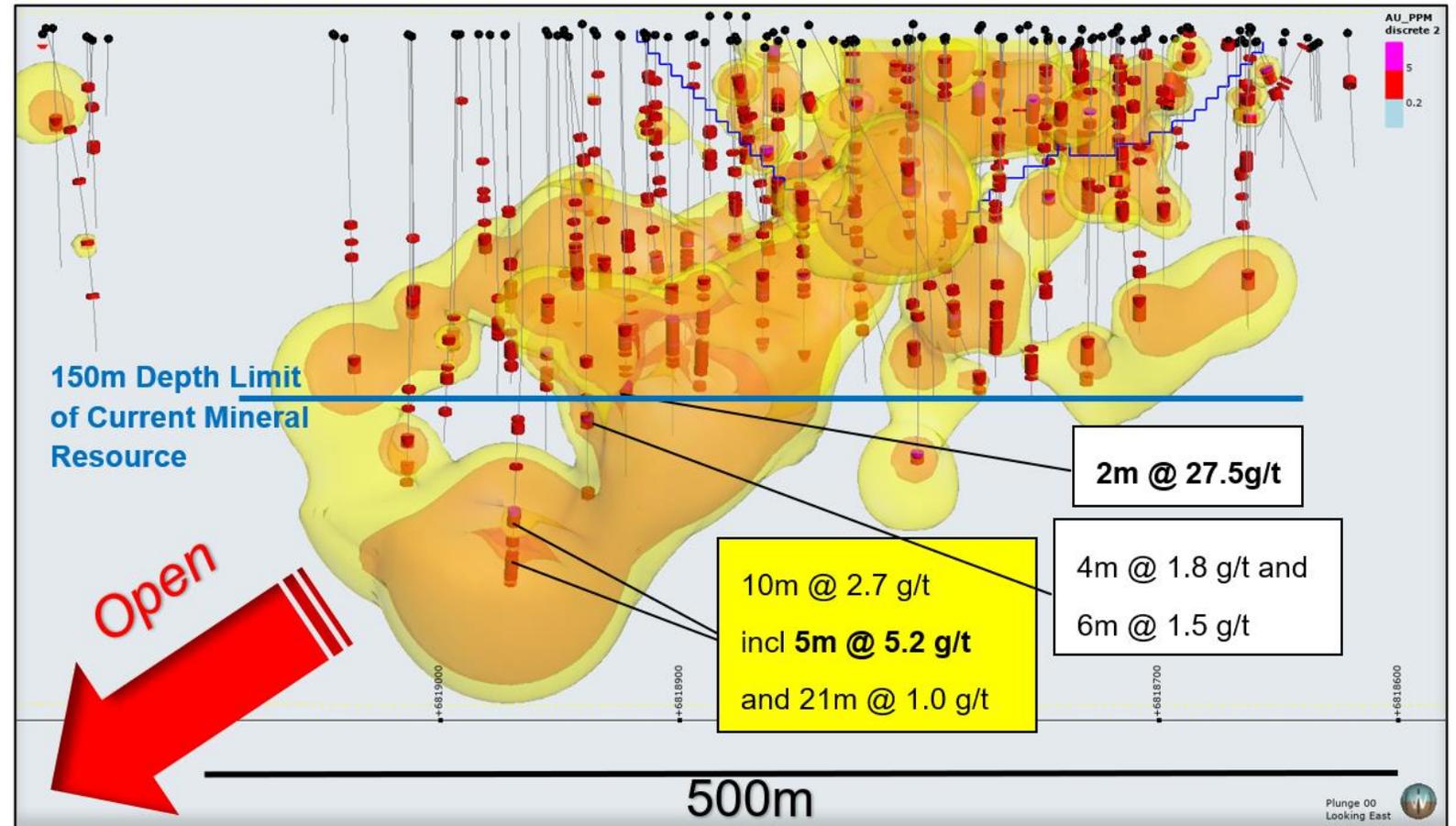
<sup>1</sup>Refer to ASX Announcement 21/7/21 for the Mon Ami Mineral Resource

<sup>2</sup>Refer to ASX Announcement 25/1/19 for the Mon Ami Metallurgy Results

# Mon Ami: Underground Potential

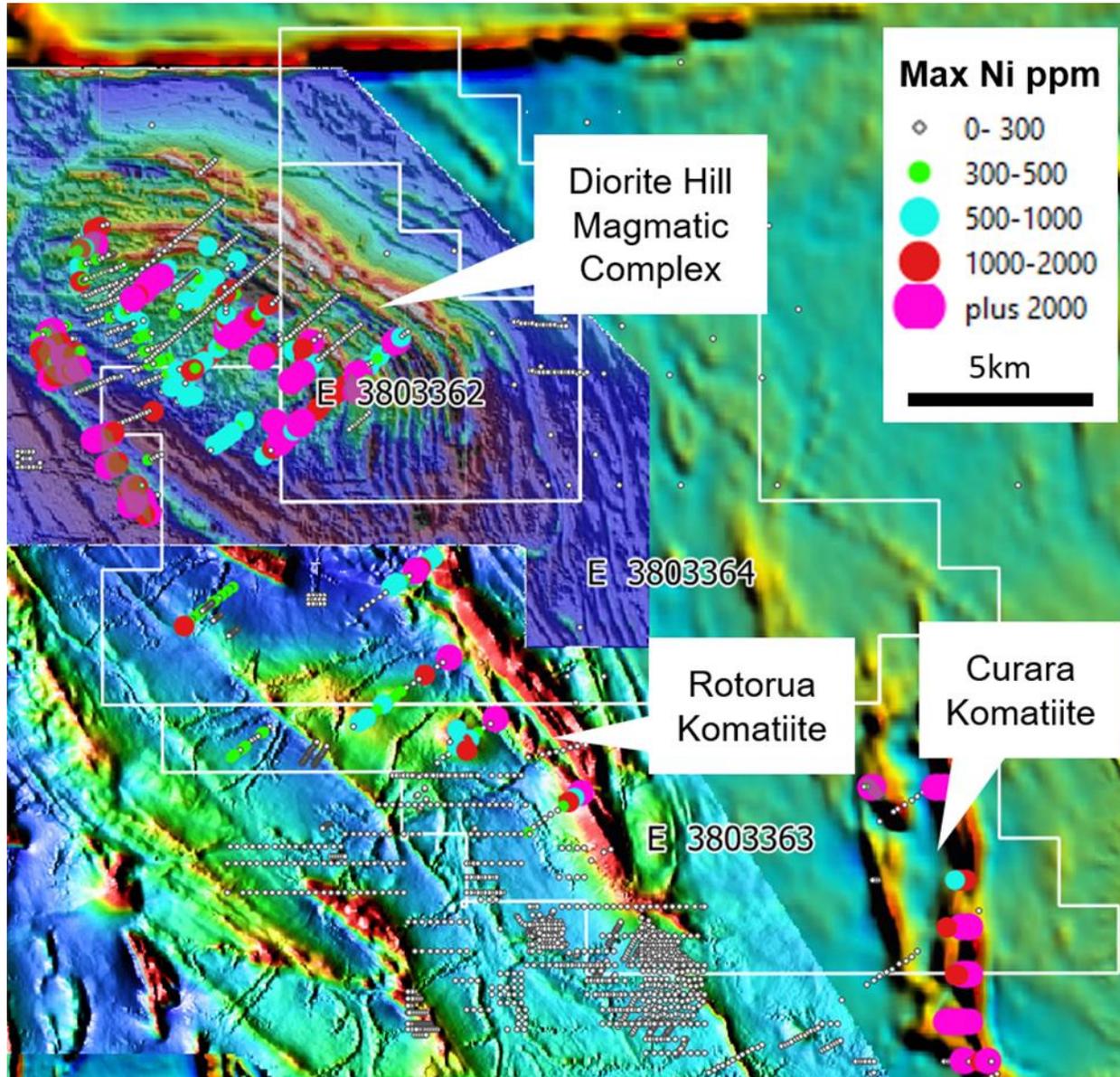


- New geological interpretation highlights high grade gold at intersection of vertical and inclined lodes → exploration vector
- Deeper high-grade target analogous to Ida H high-grade underground mine 7km along strike (historical production 176Koz @ 22.8 g/t Au)



<sup>1</sup>Refer to ASX Announcement 12/8/20 and 2/3/21 for the Mon Ami Drilling Results

# East Laverton Nickel Project



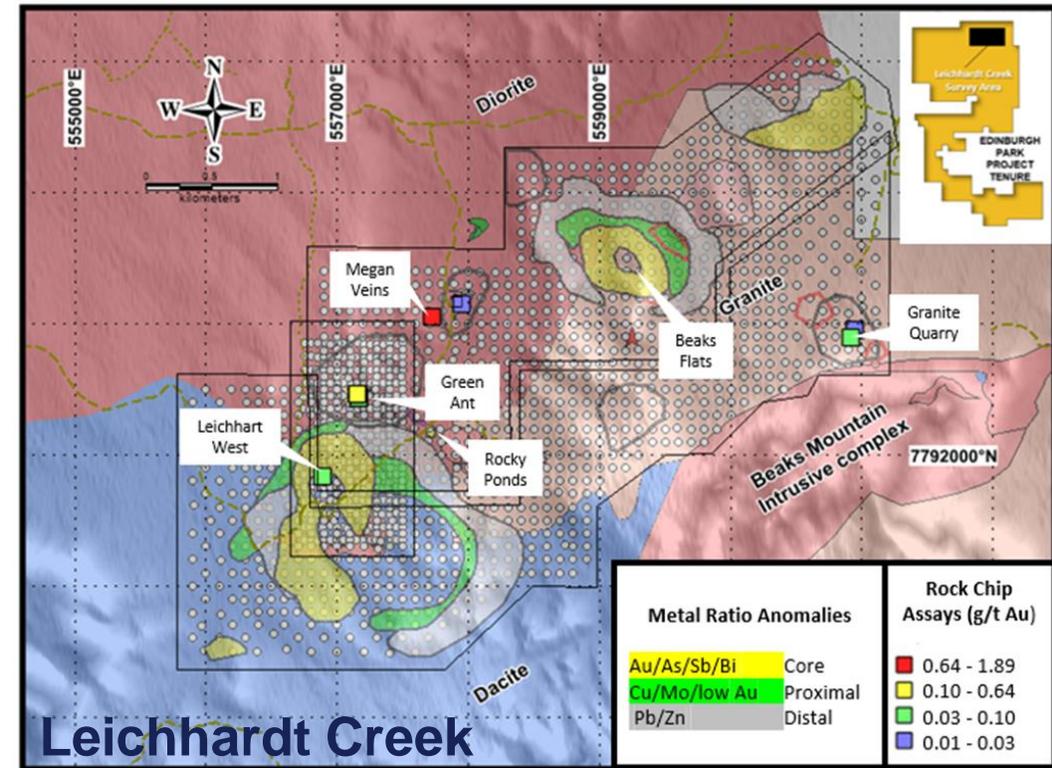
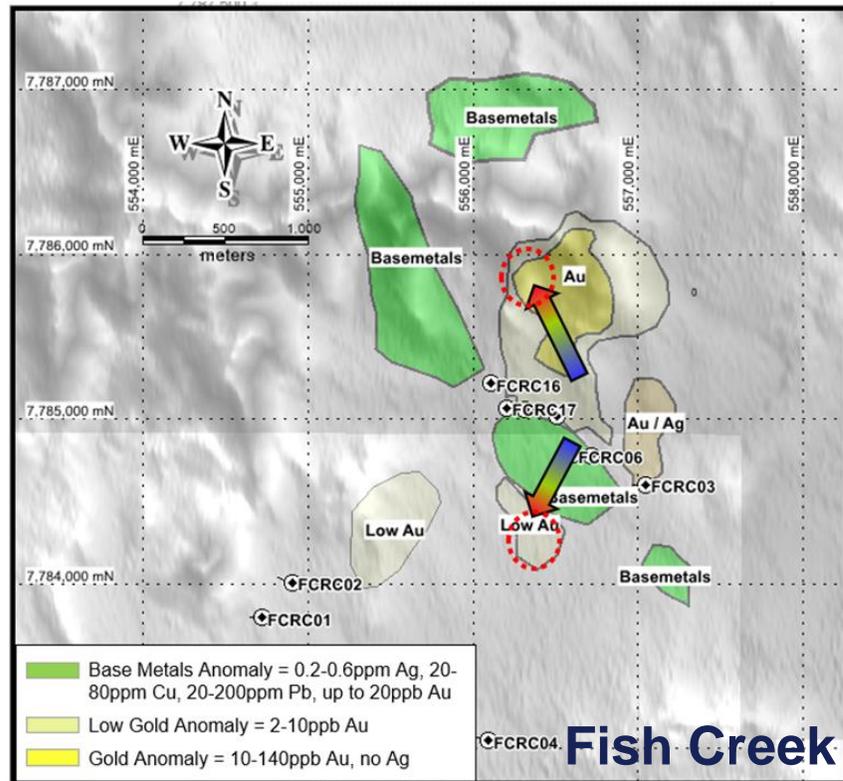
- Pegged in 2018 by GSN, all tenements now granted
- Nickel sulphide potential in layered intrusions only in focus in WA since the 2012 Nova discovery
- Ground Moving-Loop Electro-Magnetic survey planned

# QLD: Edinburgh Park Exploration



High Priority Anomaly	Drill Holes Planned	Land Access Secured
Leichhardt Creek	Q2 FY22	Yes
Fish Creek	Yes	Q2 FY22
Molongle	Yes	Q2 FY22
Edinburgh Castle	Q2 FY22	Q2 FY22

15 other anomalies from EVN co-funded hyperspectral survey<sup>1</sup> yet to be ground truthed



<sup>1</sup>Refer to ASX Announcements 27/5/20 for the hyperspectral survey; <sup>2</sup> 14/4/21 for the Fish Creek soil survey; and <sup>3</sup> 18/3/21 for the Leichhardt Creek soil survey

# Why GSN?



- ✓ Strategic landholdings in Tier 1 Australian gold districts
- ✓ Genuine potential for major gold, copper, silver and nickel discoveries
- ✓ Value proposition enhanced by hungry neighbouring mills
- ✓ Quality Board with skin in the game and experienced exploration teams
- ✓ Active exploration programs underway with strong results pipeline

# Contact

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Executive Chairman

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**Sean Gregory**  
Chief Executive Officer

Suite 4, 213 Balcatta Rd  
BALCATTWA WA 6021

# Competent Persons Statement and Disclaimer



Deposit	Competent Person	Employer	Professional Institute
Southern Star and Mon Ami (2020-21) Exploration Results and Geological Interpretation	Simon Buswell-Smith	Great Southern Mining Ltd	MAIG
Edinburgh Park (2020) and Mon Ami (2019) Exploration Results	Dr Bryce Healy	Noventum Group Pty Ltd	MAIG
Edinburgh Park (2021) Exploration Results	Octavio Garcia	Great Southern Mining Ltd	MAIG
Mon Ami Mineral Resource	Dr Michael Cunningham	SRK Consulting (Australasia) Pty Ltd	MAusIMM, MAIG

## Competent Persons Statement

The information in this report that relates Exploration Results and Mineral Resources is based on the information of the Competent Persons listed in the table above. Each of the Competent Persons have sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity they are undertaking to qualify as Competent Persons under the JORC Code (2012). For new information each consent to the inclusion in the report of the matters based on his information in the form and context in which they occur. Previously announced information is cross referenced to the original announcements. In these cases, the Company is not aware of any new information or data that materially affects the information presented and that the technical parameters underpinning the estimates continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Persons findings are presented have not been materially modified from the original market announcements.

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