



Creating Value Through Discoveries

Corporate Presentation • November 2022

ASX:GSN

Disclaimer

Deposit	Competent Person	Employer	Professional Institute
Duketon, East Laverton and Mon Ami Exploration Results and Geological Interpretation	Simon Buswell-Smith	Great Southern Mining Limited	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 has 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 consents 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 of (GSN 25/1/19, 12/8/20, 2/3/21, 14/4/21, 21/7/21, 21/9/21, 5/10/21, 11/10/21, 28/10/21, 13/12/21, 17/1/22, 9/3/22, 31/3/22, 15/6/22, 29/6/22 and 5/7/22. References to ASX RRL announcements of 18/1/11, 8/3/11, 6/4/21, 31/3/22 are noted in the presentation).

ASX announcements are available on the Company's website at www.gsml.com.au

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Investment Highlights



Strategic landholdings in established mining districts



Genuine potential for major gold, nickel and copper discoveries



Value enhanced by hungry neighbouring mills



Drill-ready projects with programs underway or imminent



Quality Board with skin in the game and an experienced exploration team

Western Australia

Two high quality gold projects in Laverton Gold District (>25Moz)

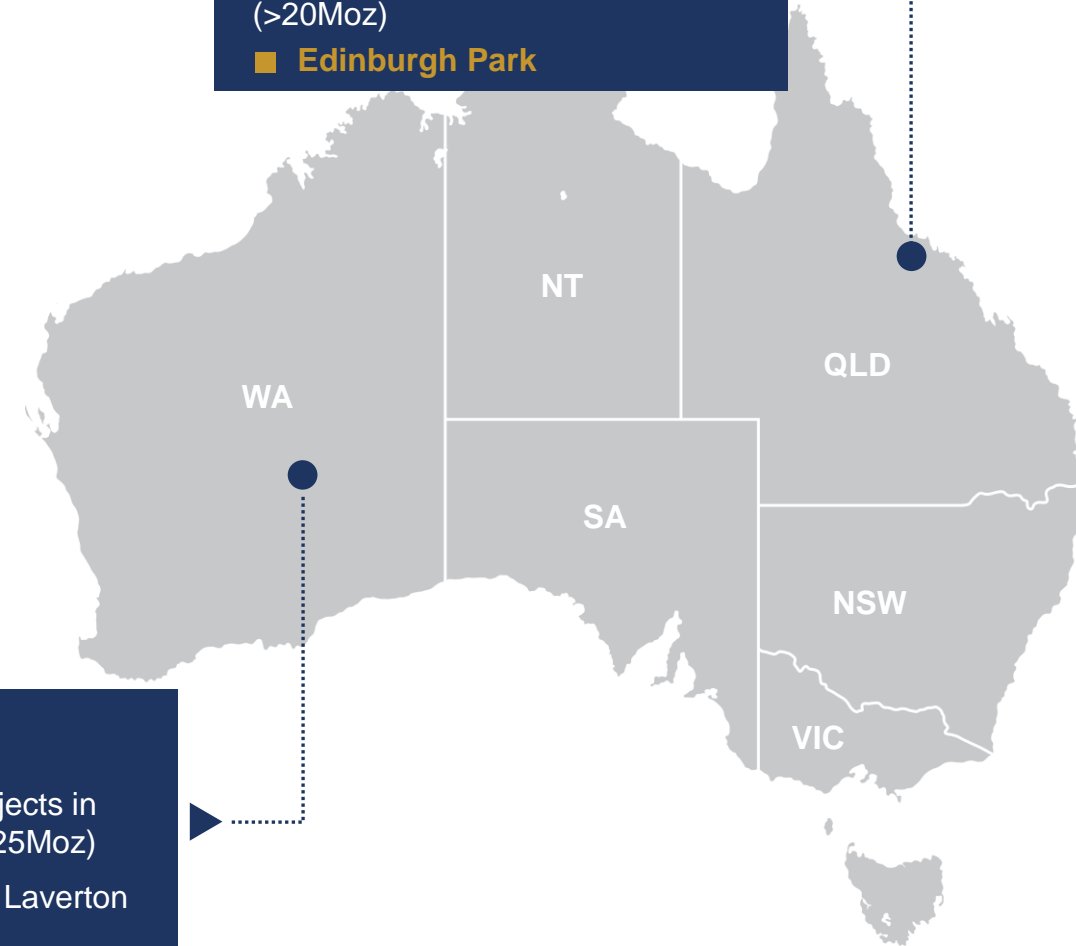
Nickel and PGEs at East Laverton

- **Duketon Gold**
- **East Laverton Nickel**
- **Mon Ami Gold**

Queensland

Belt scale landholding in North Queensland Copper-Gold District (>20Moz)

- **Edinburgh Park**



Great Southern's Western Australia Projects

DUKETON GOLD

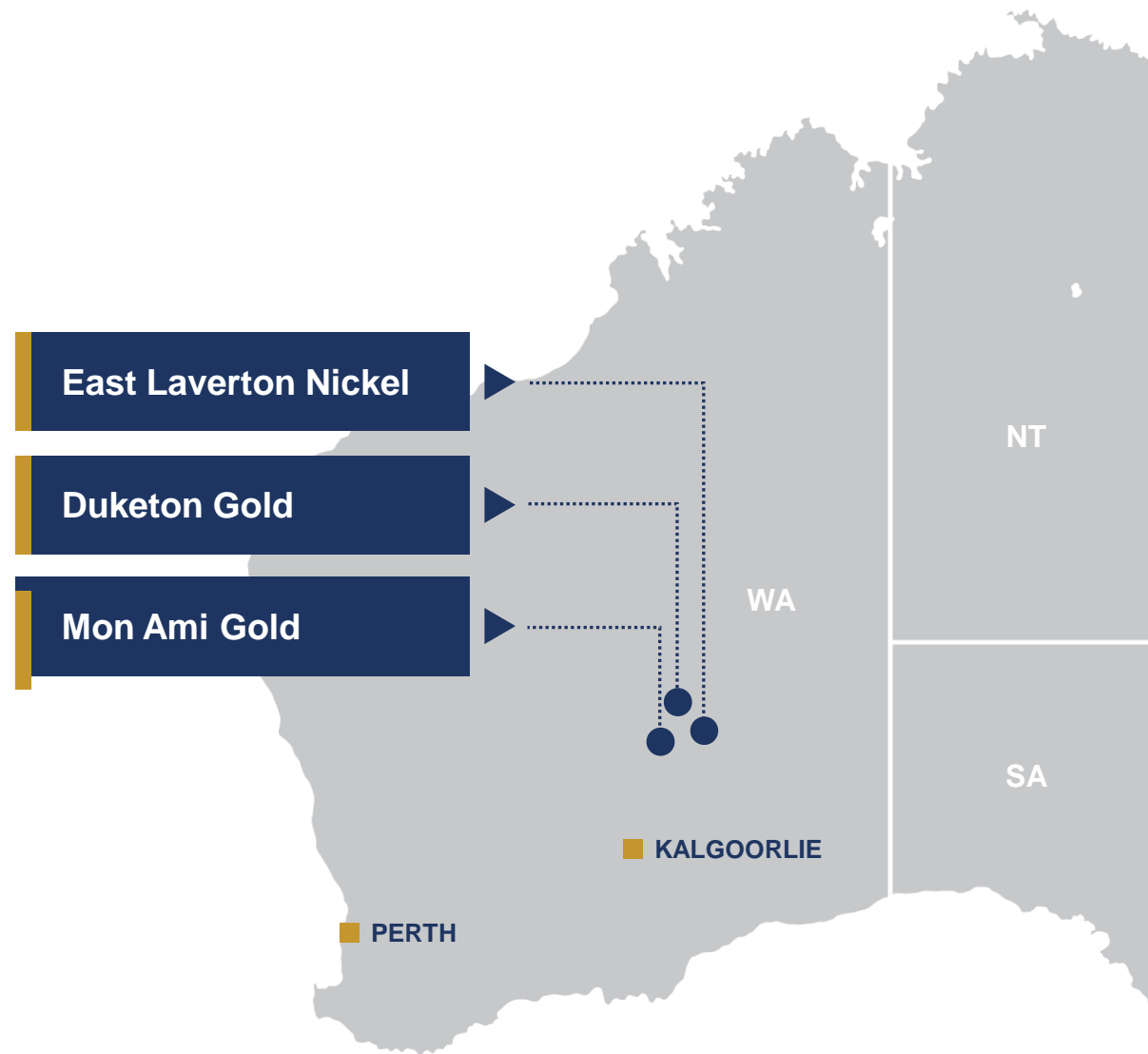
- Significant holding in the underexplored Duketon Greenstone Belt
- Key prospects located on mineralised trends hosting Regis Resources gold mines to the north

EAST LAVERTON NICKEL

- Prospective for both intrusive Ni-Cu-PGE and komatiitic Ni deposits
- 13km of virtually unexplored ultramafic / komatiite stratigraphy

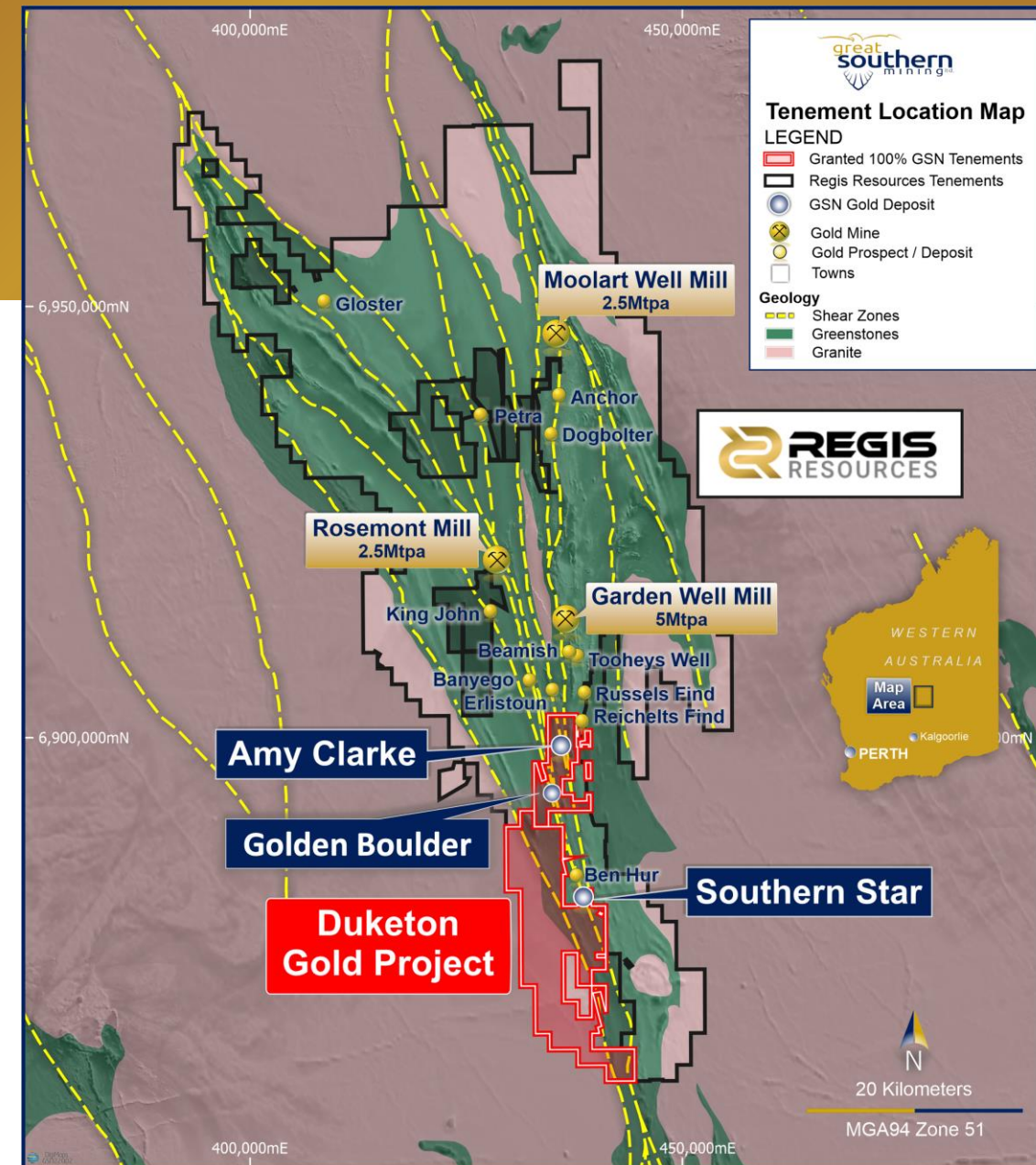
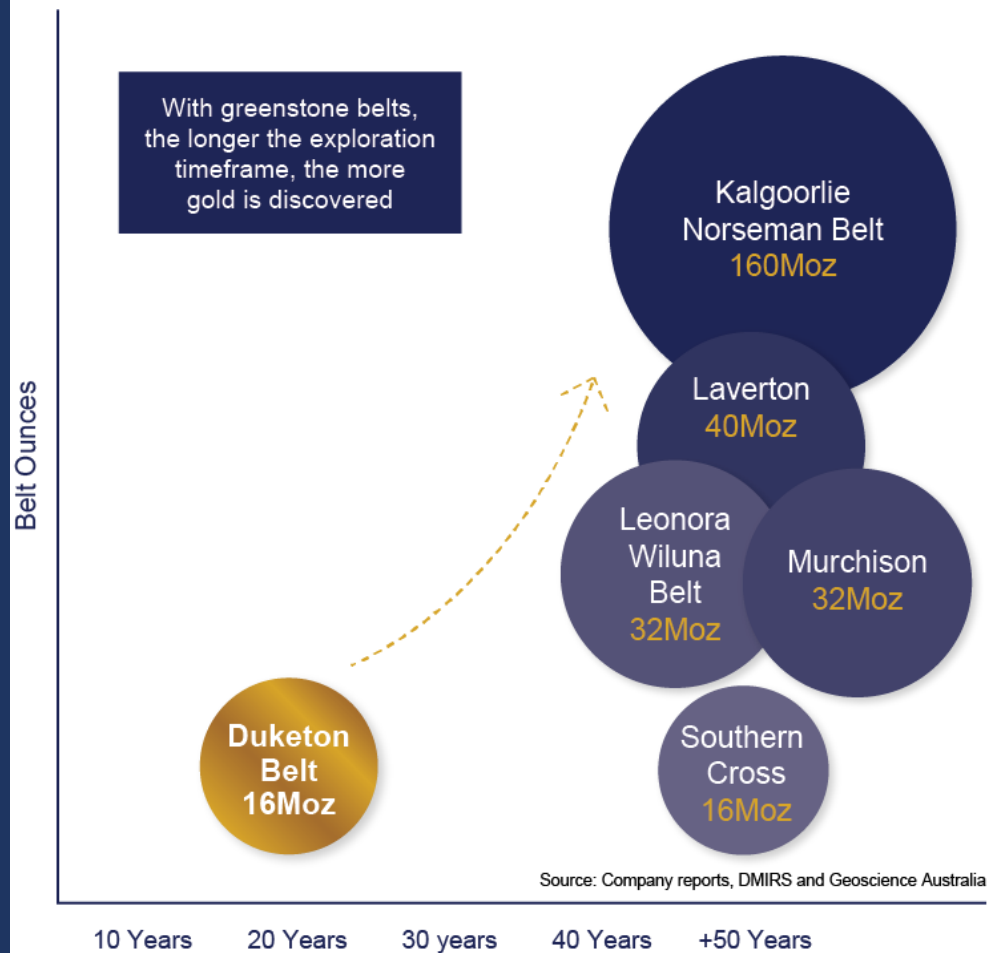
MON AMI GOLD

- Established 1.56Mt @ 1.11g/t Au for 55koz Mineral Resource
- Shovel ready on a granted Mining License with requisite mining studies complete



Duketon Gold

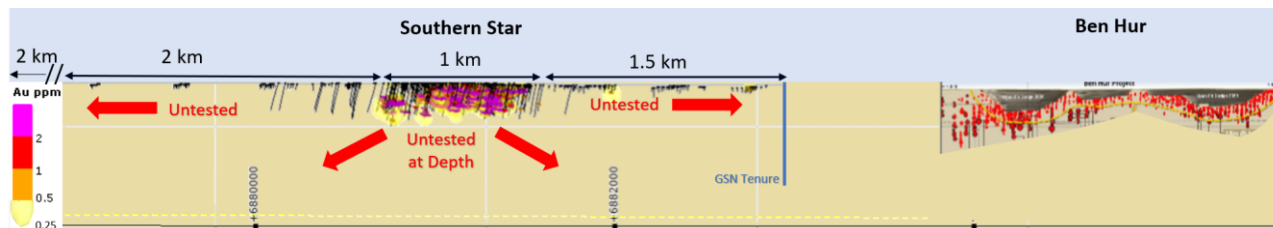
Underexplored greenstone belt



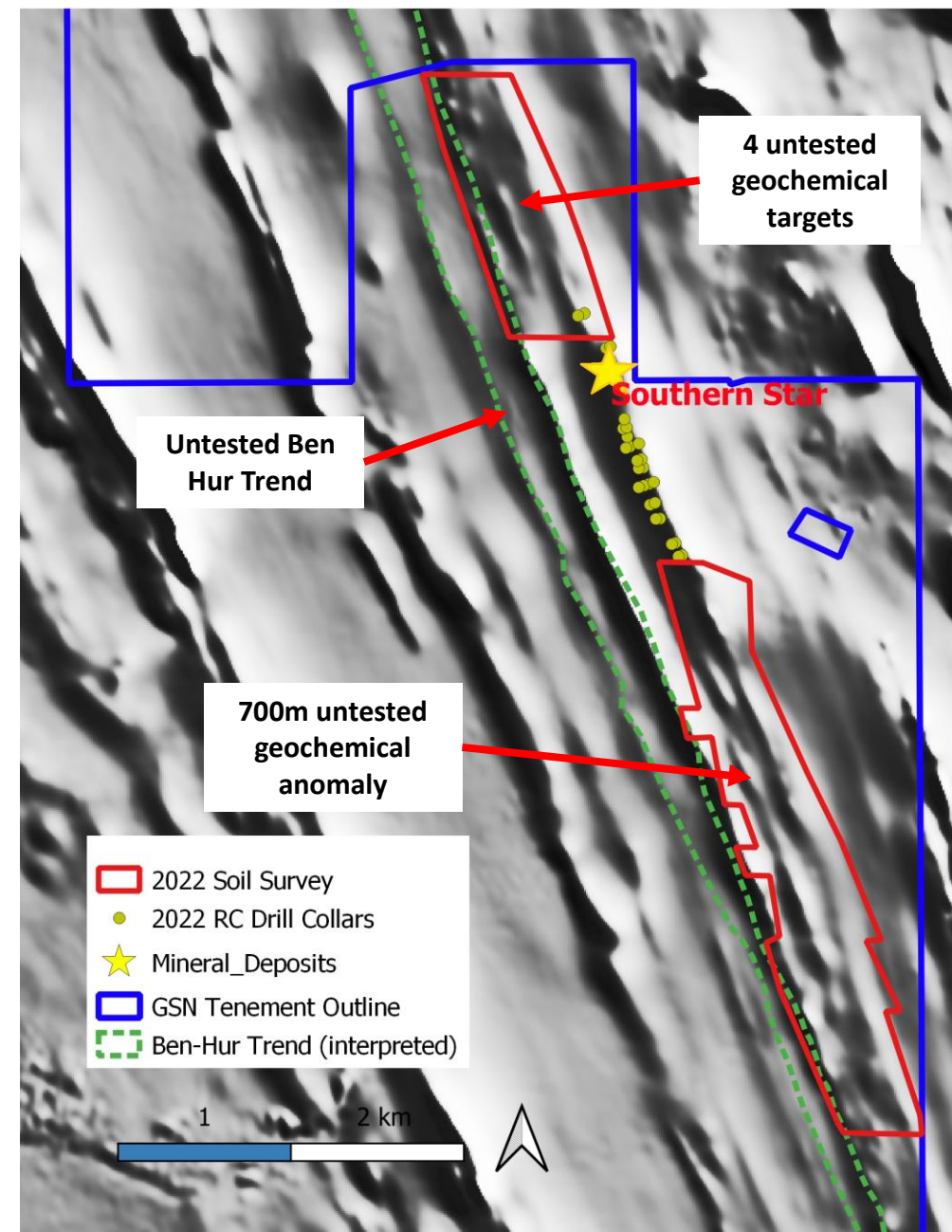
Southern Star

Ben Hur Analogue

- Southern Star is an analogue to Regis Resources' Ben Hur, located just 4km to the north in same geological host
- Ben Hur – 390koz @ 1.2g/t Au based on ~130,000m drilling
- Southern Star - only ~20,000m drilling to date (~10,000m by GSN)
- GSN has >6.5km to test along the interpreted Rosemont - Ben Hur trend at Southern Star
 - 1.5km to the north of Southern Star and 4km to the south
- Open in all directions with limited drilling along strike or at depth



GSN and RRL deposits – Long Section



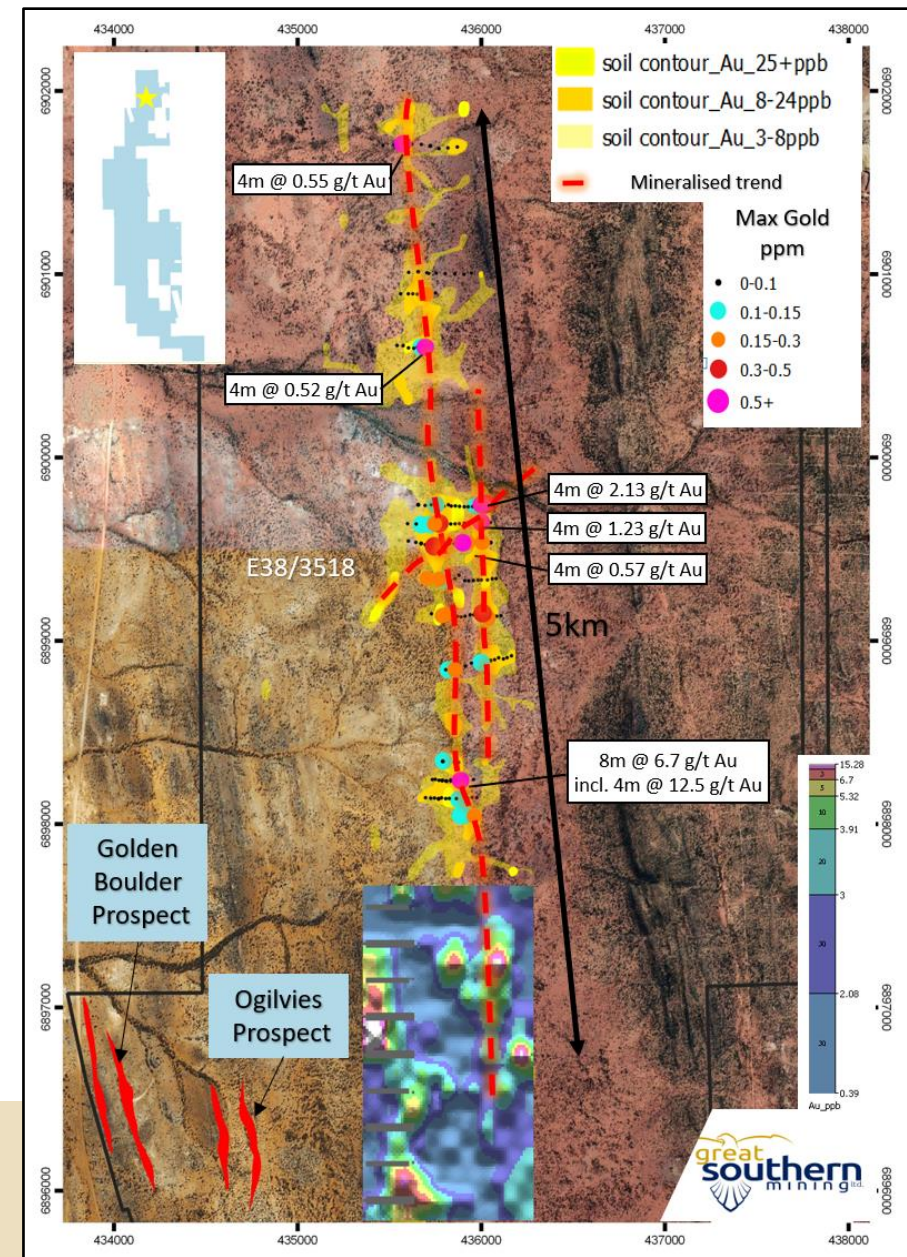
Duketon Gold

Amy Clarke

- Tenement acquired in late-2020 with little historical exploration undertaken
- 8km from Garden Well processing facility
- 5km gold anomaly identified in shallow aircore drilling and soil geochemistry
- Main anomalism sits along strike (<3.5km) from Regis' Erlistoun pit with 320koz @ 1.9 g/t Au¹
- Recent GSN drilling confirmed two significant mineralised trends including intercepts of:
 - **8m @ 6.7g/t Au, including 4m @ 12.5g/t Au**
 - **4m @ 2.13g/t Au**

Refer ASX announcement 17/1/22

Next steps: Infill aircore and RC drilling



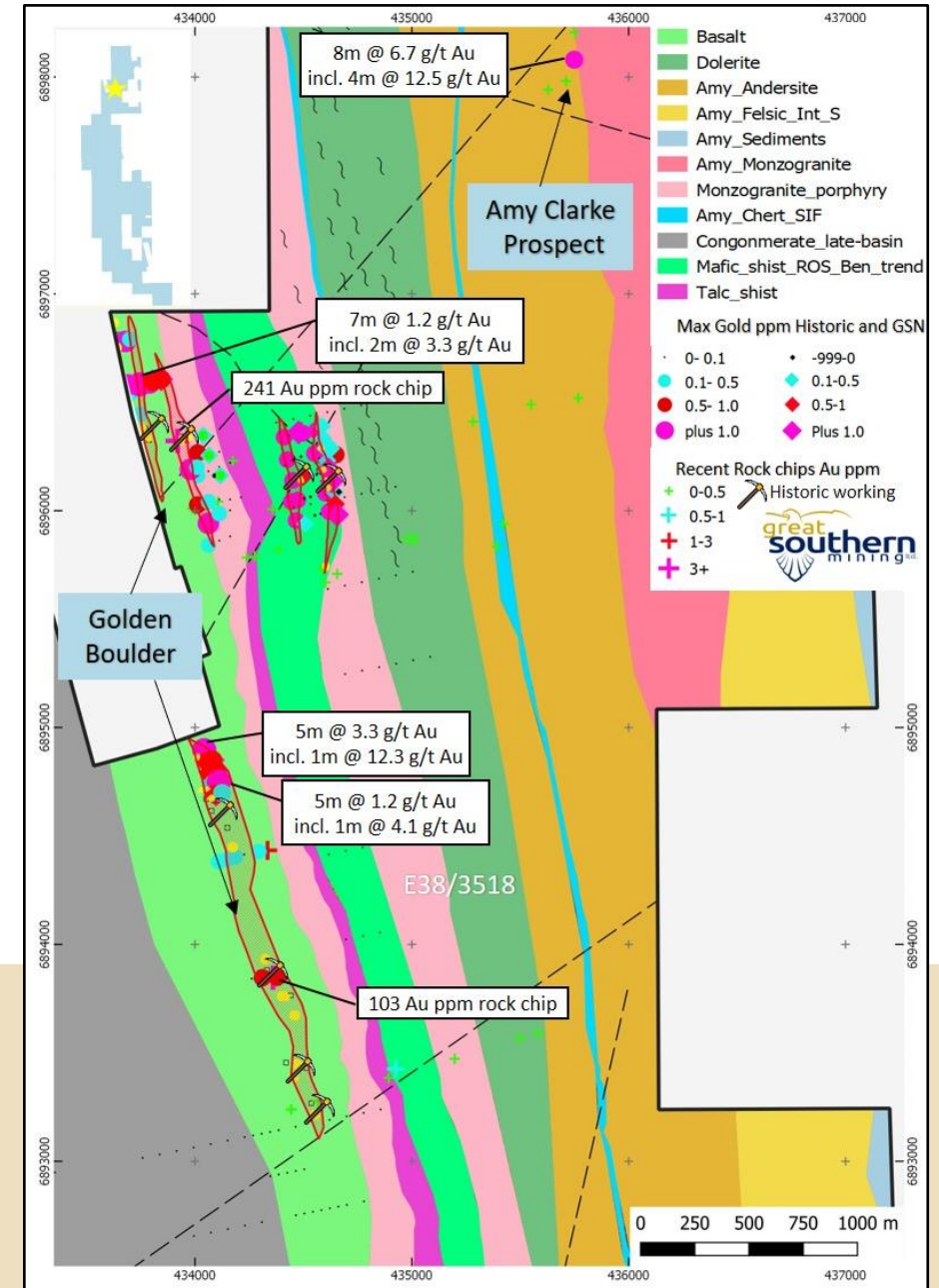
Duketon Gold

Golden Boulder Area

- Multiple stacked and parallel gold trends with numerous historic workings
- Historic drilling is sparse and shallow (average depth just 40m)
- Presence of multiple parallel quartz lodes identified
- Maiden RC drill program in 2021 with intercepts including:
 - 5m at 3.3g/t Au incl. 1m at 12.3 g/t Au
 - 8m at 2.1g/t Au incl. 4m at 3.7 g/t Au
 - 7m at 1.2g/t Au incl. 2m at 3.3 g/t Au

Next steps:

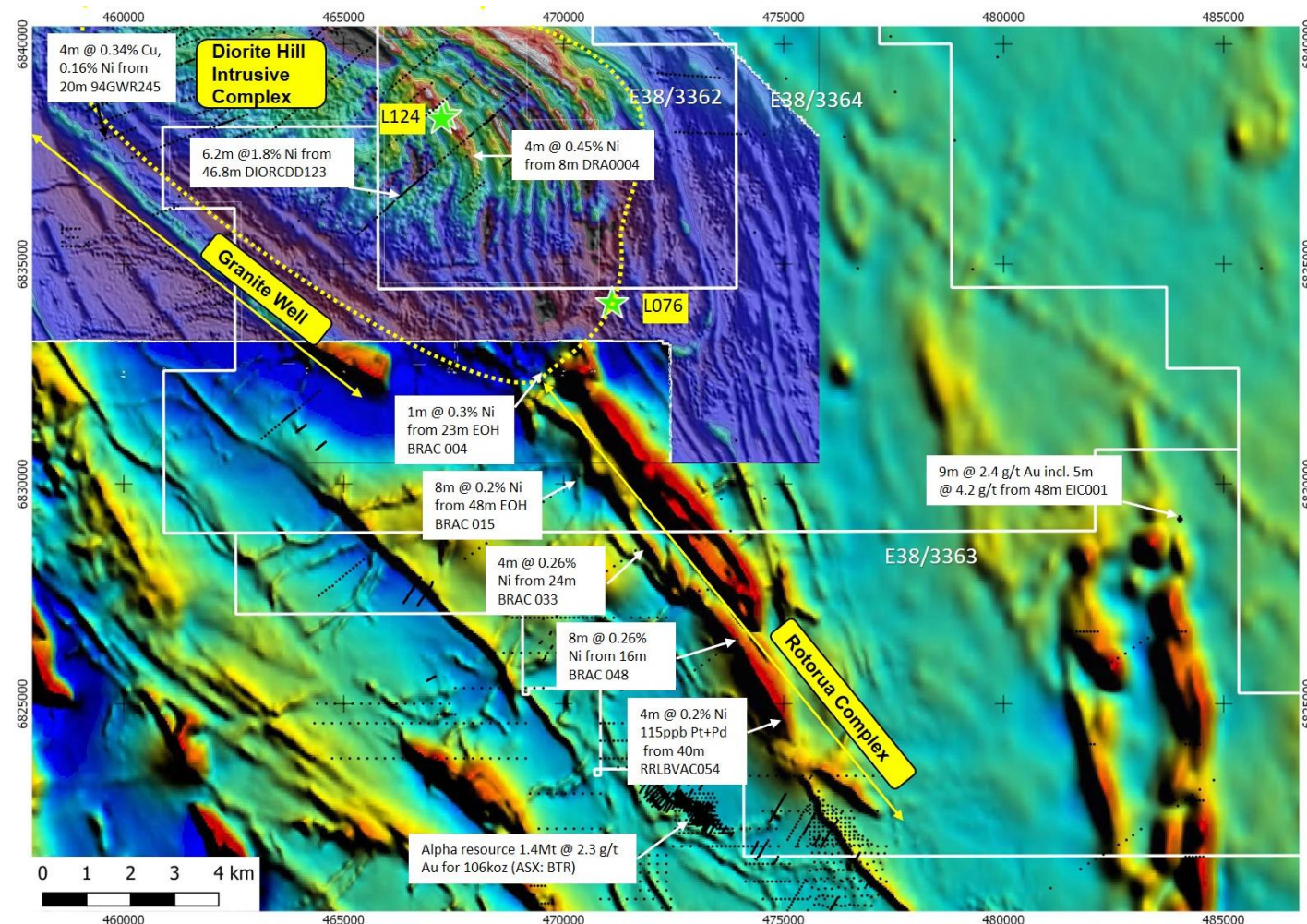
Regional aircore drilling and multi-element sampling to be undertaken to aid proof of concept of a large, stacked lode system



¹ Refer to ASX:GSN Announcements 8/7/21, 23/9/21

East Laverton Nickel

- Prospective for both intrusive magmatic and komatiitic nickel–copper–PGE mineralisation
- 3 conceptual target areas:
 - Diorite Hill layered intrusive
 - Rotorua Komatiite trend
 - Granite Well Komatiite trend
- No historical drilling targeting nickel-copper mineralisation
- Two basement hosted conductors defined from ground based, fixed loop EM survey within Diorite Hill Complex. Drilling underway to test conductors.
- Drilling co-funded by WA Government for up to \$220k
- 13km of ultramafic stratigraphy of the Granite Well and Rotorua trends virtually untested. Further EM planned along these untested komatiite trends



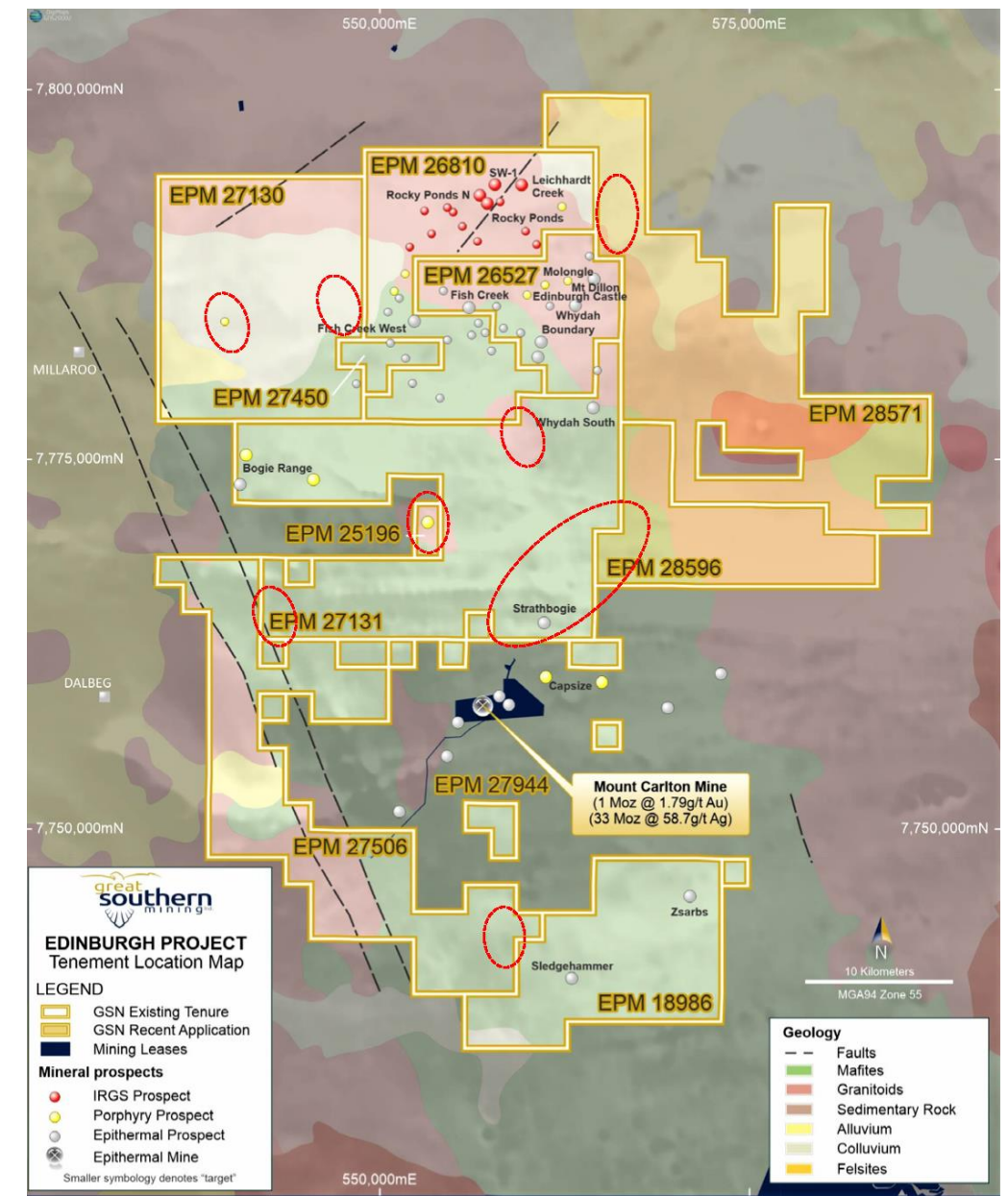
Magnetic image highlighting the Rotorua and Granite Well targets with drillhole database displaying Newmont significant intersections along the edge Rotorua complex. Refer to Brightstar Resources (BTR) 2021 Annual Report for Alpha Gold Resource.

Great Southern's Queensland Projects



Edinburgh Park

- Belt scale play with ~1,750km² tenure surrounding 1.7Moz Au Eq Mt Carlton Mine
- Prospective for high and low sulphidation mineralisation of the Mt Carlton type, as well as potential for high level Cu-Au porphyry deposits
- 16 new regional targets identified from 2022 structural and geochemical review, on top of 13 previously identified targets
- Hyperspectral targets confirmed by alteration mapping at Mt Dillion, Fish Creek and Edinburgh Castle targets
- Mapping and soil geochemistry program underway to define targets for early-2023 drilling after the wet season



Location map of Edinburgh Park Project in Queensland. Red circles indicate additional structural/spectral targets the subject of mapping and geochemical programs.

Corporate Snapshot

GSN

ASX Code

580.3m

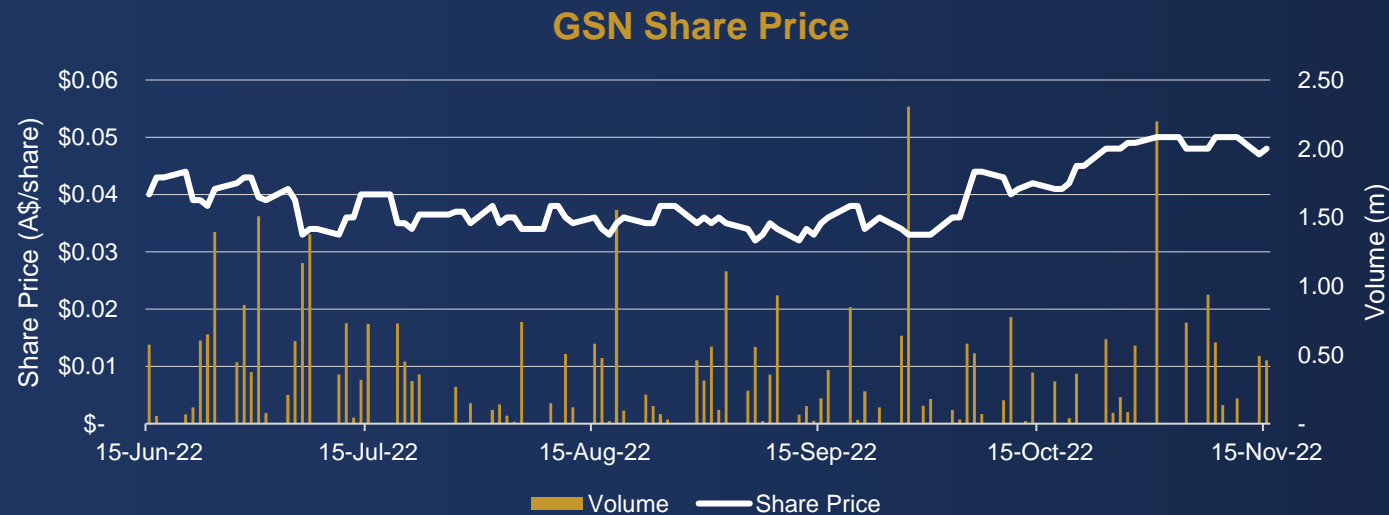
Shares on Issue

\$29.6M

Market Cap (at \$0.051 per share)

35.3M

Options (\$0.05-\$0.20 exercise)



BOARD OF DIRECTORS

John Terpu

Executive Chairman

Over 22 years' experience in the mining & exploration sector, through acquisition and investment in many projects.

Matt Keane

Managing Director

Geologist with more than 20 years of experience in mining, exploration and financial markets. Most recently as CEO of S2 Resources, focused on advancing a portfolio of Australian and Finnish exploration assets.

Matthew Blake

Non-Executive Director

Mr Blake has 25 years' experience in the financial services industry and with companies listed on the ASX. Executive Director of Javelin Minerals Limited and NED with Crowd Media Limited.

Andrew Caruso

Non-Executive Director

Mining executive with over 25 years' experience in the Australian and international mining industries, including significant corporate leadership and business development experience.



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