



Disclaimer

Deposit	Competent Person	Employer	Professional Institute
Duketon, East Laverton and Mon Ami Exploration Results and Geological Interpretation	Rachel Backus	Resourceful Exploration Services Pty Ltd	AIG, AUSIMM
Mon Ami Mineral Resource	Dr Michael Cunningham	SRK Consulting (Australasia) Pty Ltd	MAusIMM, MAIG
Edinburgh Park Project	Rachel Backus	Resourceful Exploration Services Pty Ltd	AIG, AUSIMM

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 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, 5/7/22, 8/11/22, 13/12/22, 27/3/23, 16/5/23, 21/6/23, 9/10/23, 9/11/23 and 31/1/24. 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



Advanced gold discovery company



Leveraged to a rising gold price & a rerate of the junior gold explorer sector



All assets located within 40km of existing mineral processing infrastructure



Major exploration programs planned for FY25 – significant newsflow

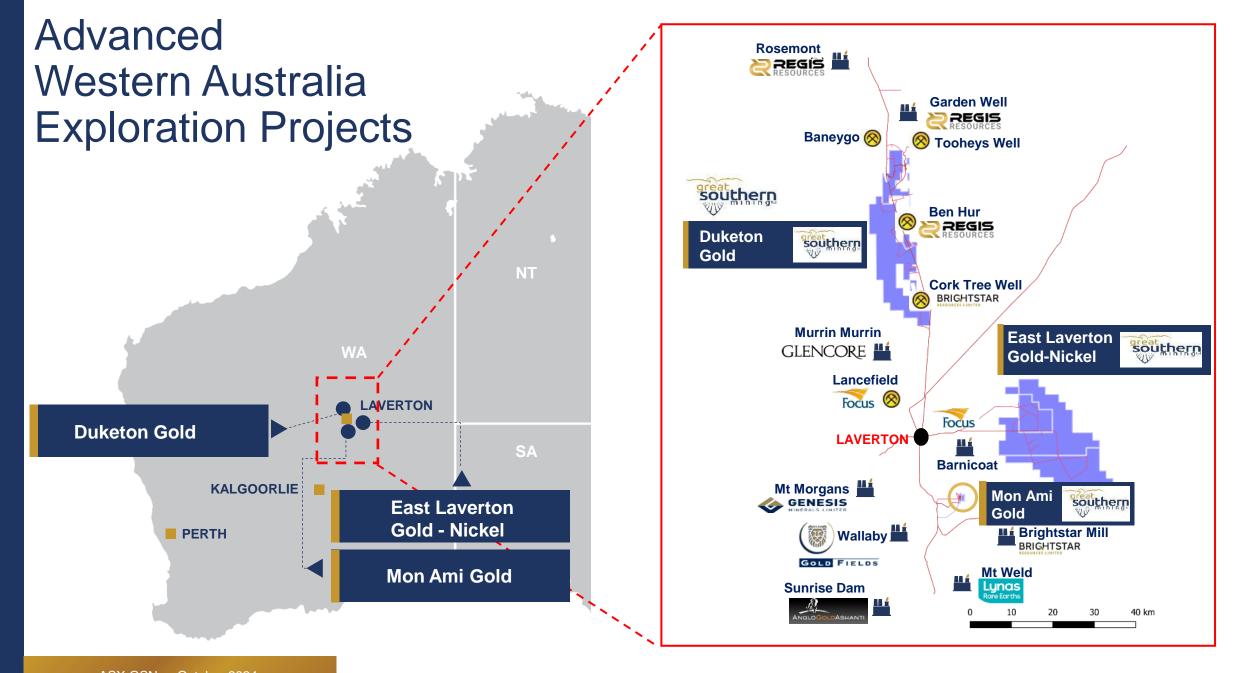


Quality Board with skin in the game and a high-skilled exploration team

■ Duketon Gold

■ Mon Ami

Queensland Belt scale project in North **Queensland Copper-Gold District** (>20Moz) **■** Edinburgh Park 75% Gold Fields earn-in commenced NT QLD NSW **Western Australia** Three high quality gold projects in Laverton Gold District (>25Moz) All projects 100% owned **■** East Laverton Gold-Nickel



Gold Camp Spacing

Where is the next +1 Moz hub?

Major gold camps in the Eastern Goldfields have an average spacing of 30-40 km¹

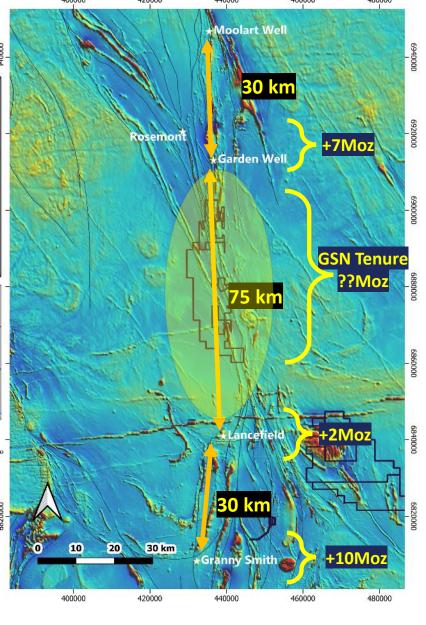
GSN's tenements are located halfway between two major gold centres, spread ~75 km apart:

- Garden Well Rosemont hub (>7 Moz)
- Lancefield-Laverton hub (>2 Moz)

Therefore, GSN's Duketon tenure is highly prospective for major gold deposits

So, where is the +1Moz deposit?

o oo Granny Smith Moolart Well **GSN** tenure Lancefield © Garden Well Sunrise Dam Gold deposits Gold deposits > 4t projected > 4t real Granite/gneiss on fault location Greenstone belt ≤ 30 t o ≤30 t 90 - 90 t O 30 - 90 t 0 10 20 30 40 Km > 90 t $\bigcirc > 90 \text{ t}$ **GSN** tenure b) 200 Distance along strike (km)



¹ Doutre, R., Micklethwaite, S., Kovesi, P., McCuaig, C. T., Ford, A., Hayward, N., ... & Sindern, S. (2015). Multi-scale spacing and endowment of orogenic gold deposits. *Vandoeuvre-Les-Nancy: Asga-Assoc Scientifique Geologie & Applications*.

Duketon Gold Project

Three advanced target areas

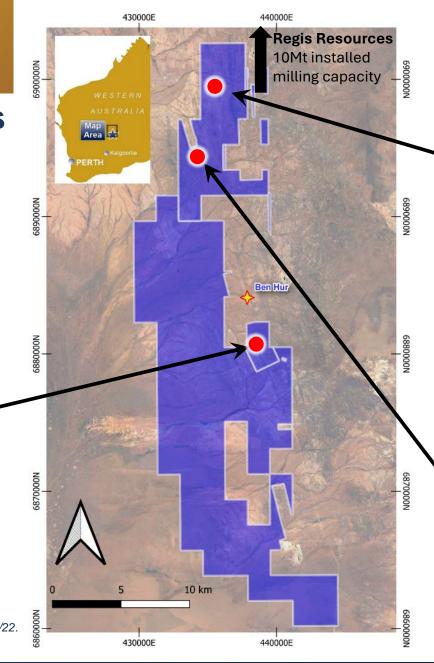
- All with <u>high grade</u> intercepts
- All with extensive strike
- All located on highly <u>mineralised structures</u> with defined resources

Southern Star

- Granted Mining Licence
- 1.9km gold mineralised trend, including 700m of contiguous mineralisation
- Gold intercepts¹ include
 - 68m @ 1.9 g/t Au from 61m
 - 59m @ 2.1 g/t Au from 53m
- Only 3km from 390k oz Ben Hur open pit on the endowed Rosemont gold trend

Plus, a pipeline of earlier stage target areas within a 389 km² landholding

1 - Refer to GSN:ASX announcements 5/10/21, 11/10/21, 23/8/21, 2/8/21 and 29/6/22.



Amy Clarke

- Over 5km of anomalous strike with at least 2 mineralised trends
- Gold intercepts² include
 - 8m @ 6.7 g/t Au from 32m
 - 4m @ 2.1 g/t Au from surface
- Virtually, unexplored and along strike from 320 koz Erlistoun open pit

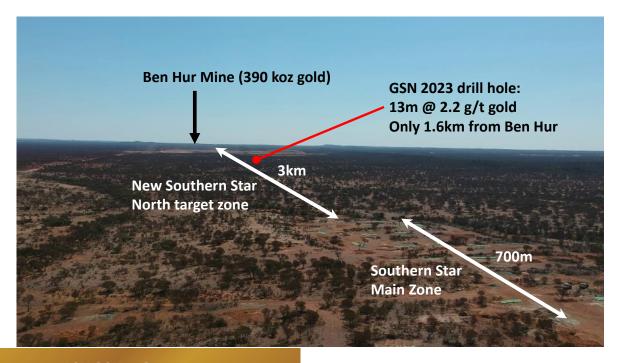
Golden Boulder

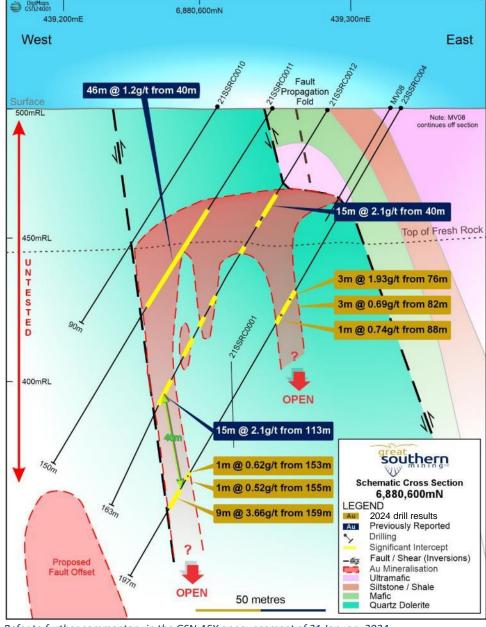
- Over 4km of anomalous strike
- Contains ~50 shallow historical shafts
- Gold intercepts³ include:
 - 8m @ 3.9 g/t Au from 44m
 - 5m @ 3.3 g/t Au from 49m
- 2 Refer to GSN: ASX announcements 13/4/22
- 3 Refer to GSN: ASX announcements 16/5/23

Southern Star

Advanced Gold Prospect

- 11km of prospective strike
- Mineralisation in drilling over 1.9km on granted ML
- 700m of defined contiguous mineralisation
- Only shallow drilled to ~160m below surface
- Mineralisation open in nearly every direction
- 3km from Regis Resources Ben Hur mine





Refer to further commentary in the GSN:ASX announcement of 31 January 2024

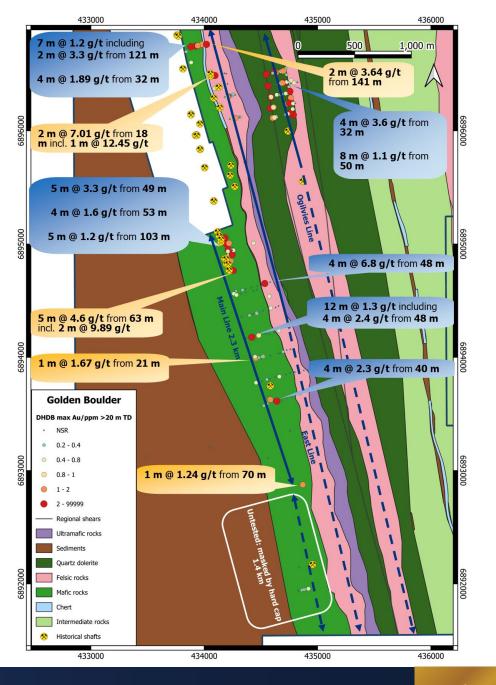
Duketon Gold Golden Boulder Area – Emerging Discovery

- Multiple parallel gold trends with over 50 historical shafts
- Historical drilling is sparse and shallow with an average depth of just 40m
- September 2024 RC Drilling intercepts included:
 - 5 m @ 4.6 g/t Au from 63 m, incl. 2 m @ 9.89 g/t Au
 - 2 m @ 7.01 g/t Au from 18 m, incl. 1 m @ 12.45 g/t Au
- Previous drill intercepts include:
 - 5m @ 3.3g/t Au from 49m, incl. 1m @ 12.3g/t Au and 8m @ 2.1g/t Au
 - 8m @ 3.9g/t Au from 44m, incl. 4m @ 6.8g/t Au
 - 12m @ 1.2g/t Au, incl. 4m @ 2.4g/t Au
- Mineralisation defined over a 2.3km strike with high-grade mineralisation over a ~370m
- Mineralisation open along with 1.8km of untested prospective strike

Refer to ASX:GSN Announcements 8/7/21, 23/9/21, 16/5/23 and 8/10/24

Next steps:

Drill out along strike to confirm continuity and test southern targets

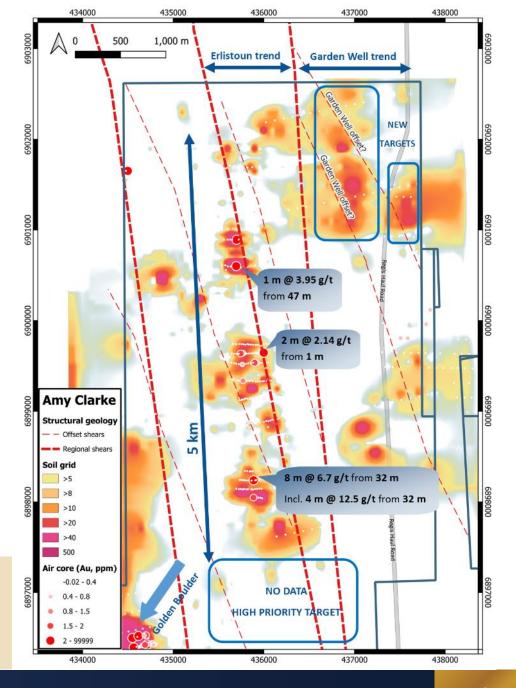


Duketon Gold Amy Clarke

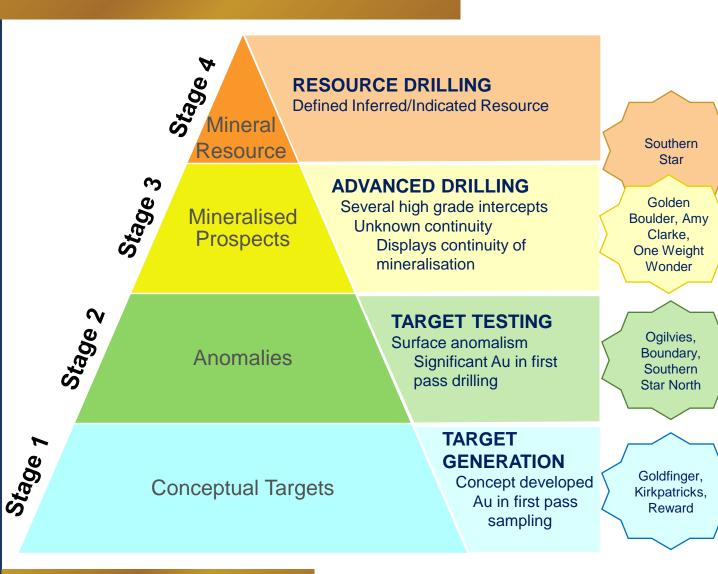
- 5km gold anomaly identified in shallow aircore drilling and soil geochemistry
- Last major drilling campaign pre-GSN was broad space shallow vacuum and air core in 1994
- 8km from Garden Well processing facility
- Main anomalism sits along strike (less than 3.5km) from Regis' Erlistoun pit with 320koz @ 1.9 g/t Au
- GSN drilling in 2021 confirmed two significant mineralised trends including an intercept of:
 - 8m @ 6.7g/t Au from 33m, including 4m @ 12.5g/t Au¹
- Garden Well trend to the east remains virtually untested by drilling despite several geochemical anomalies
- Soil geochemistry assays for southern targets pending

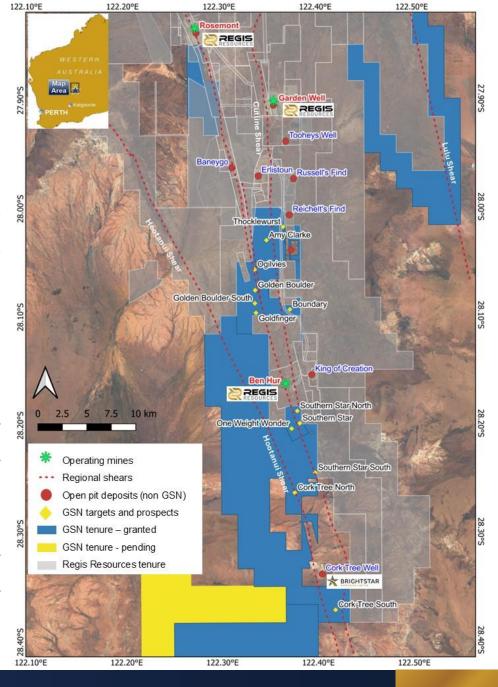
1 Refer to ASX:GSN Announcement dated 17 January 2022

Next steps: Follow up RC drilling to previous high-grade AC intercepts. Drilling over southern and north-eastern geochemical anomalies



Duketon Gold Project Advancing a Strong Pipeline





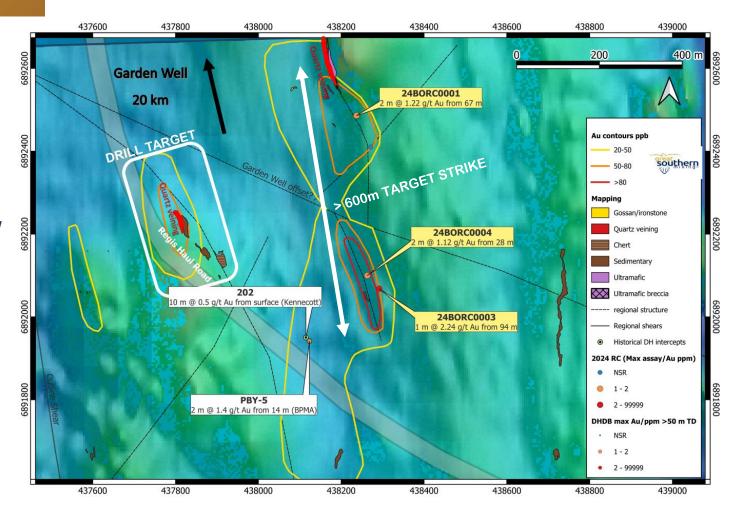
Duketon Gold Boundary – Emerging high-priority target

Boundary - A Garden Well analogue?

- Gold anomalism along similar sedimentary ultramafic stratigraphic contact
- First 3 out of 4 drill holes intercepted +1 g/t Au

What makes this prospect attractive?

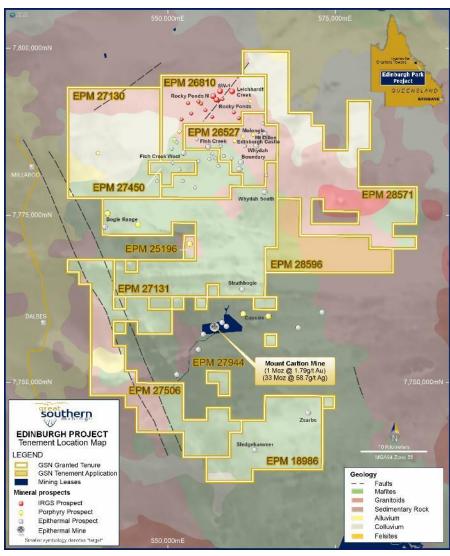
- Similar aeromagnetic signature reflecting a NW structure cross-cutting the main north-south Garden Well structure
- Virtually no historic drilling beyond 40m depth
- Surface geochemical gold anomalism ~10x higher than any other GSN target area
- Prominent quartz veining along major shear structures with coincident gold-in-soil anomalism
- Gossans at surface (after sulphides) also coincident with gold-in-soil anomalism



Province Scale Edinburgh Park Project

Queensland





GSN's Edinburgh Park Project highlighting proximity to Mt Carlton Mine.

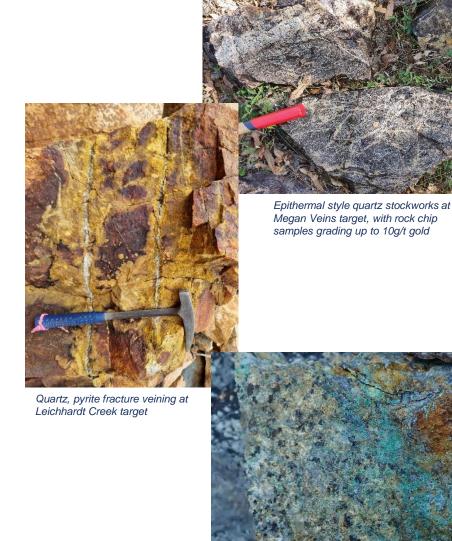
Edinburgh Park

Gold Fields Earn-In, Credentialed Partner for Tier One Discoveries

- Belt scale play with ~1,750km² tenure surrounding 1.7Moz Au Eq Mt Carlton Mine
- Prospective for gold-copper porphyry mineralisation, as well as high and low sulphidation gold-silver-copper mineralisation
- 29 targets identified by GSN¹

Gold Fields Earn-in

- Gold Fields spending up to A\$15m over 6 years to earn a 75% interest²
 - Minimum spend of A\$2.5m in the first 2 years
- Gold Fields also subscribed to A\$1m GSN shares (currently 4.5% holding)
- Gold Fields is the ideal partner with experience and funding to discover major porphyry/epithermal deposits
- Geophysics commenced in FY24 and drilling is expected in FY25



Copper and silver rich porphyry specimen from Molongle Creek target

¹ Refer to GSN:ASX announcement date 29 June 2023

² Refer to GSN:ASX announcement date 9 October 2023

Corporate Snapshot

A\$13.5M

Market Cap (at \$0.016 per share as at 14 Oct 2024)

847M

Shares on Issue

57.8M

Options (\$0.06 ave. exercise price)

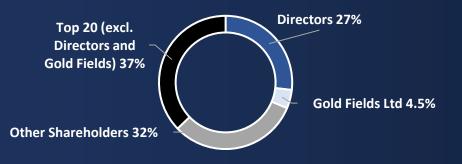
A\$1.1M

Cash at 30 June 24

A\$0.56M

Cash added post 30 June From Director placements*

Shareholders



Share Price History



^{*} Director contributions to April 24 Placement, approved by Shareholders in June 24, shares issued July 2024.

John Terpu

Executive Chairman

Over 22 years' experience in the mining & exploration sector, through acquisition and investment in many projects. Founder of Conquest Mining which discovered the Mt Carlton mine and went on to become gold major Evolution Mining. As Chairman of Emerchants Ltd, drove the company's market cap from A\$1m to over A\$150m.

Matt Keane

BOARD OF DIRECTORS

Managing Director

Geologist with 25 years of experience in mining, exploration and financial markets, including 8 years as a Resources Analyst. Mr Keane's technical career incorporated 10 years with BHP across various commodity groups.

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.



Contact Us

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Please visit <u>Investor Hub</u> for direct comments or questions to management



