



2 July 2020

#### **DGO Gold Shareholder Update**

**DGO Gold Limited (ASX: DGO)** is pleased to provide shareholders and the market with the attached "Shareholder Update".

The presentation is also available at www.dgogold.com.au.

Authorised for release by the Board of Directors of DGO Gold Limited.

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# DGO GOLD

**Shareholder Update** 

July 2020



# DGO Corporate Overview

Shares 56.8m\*

Share Price \$3.90

Market Cap \$222m\*

Cash (est 30 June) \$6.0m

Options:

DGO GO

\$1.00 31/12/21 **10.0**m

\$2.50 30/06/22 **3.3m** 

**Performance Rights** 

\$2.00 **3.1m** 

\$3.00 **1.9m** 

\$4.00 **1.0**m

Top 15 Shareholders ~90%

Board 18%

# \*including 4.94m shares and 2.5m options to be issued per the results of the EGM on 19 June 2020

#### DGO, DEG, NTM & ASX Gold Index

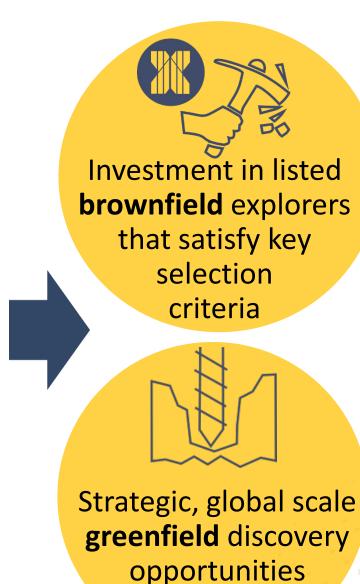
(Common Base 100)



## Strategic Objective



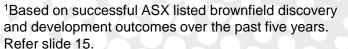
To provide shareholders participation in a discovery-leveraged exposure to gold through:







Very high potential returns; focus on managing risks: expenditure <5% of market cap





## Four Key Insights

1



Concentrated focus on Western Australia

2



W.A. brownfield discovery is low cost and low risk

3



Brownfield discovery generates high returns

4

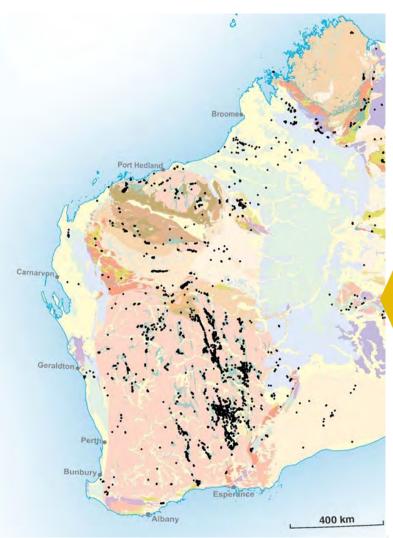


Market
valuations
of gold
resources
are
leveraged to
the gold
price

**DGO GOLD** 

# Only 2% of all drill testing beyond 200m depth

Concentrated focus on Western Australia



Caution: Chart is based on publicly released drill holes only. Estimated coverage is  $\,\sim 50\%$  of total reported. Includes  $\,$  resource delineation as well as greenfield exploration

#### **Historical Drilling 1977-2013**

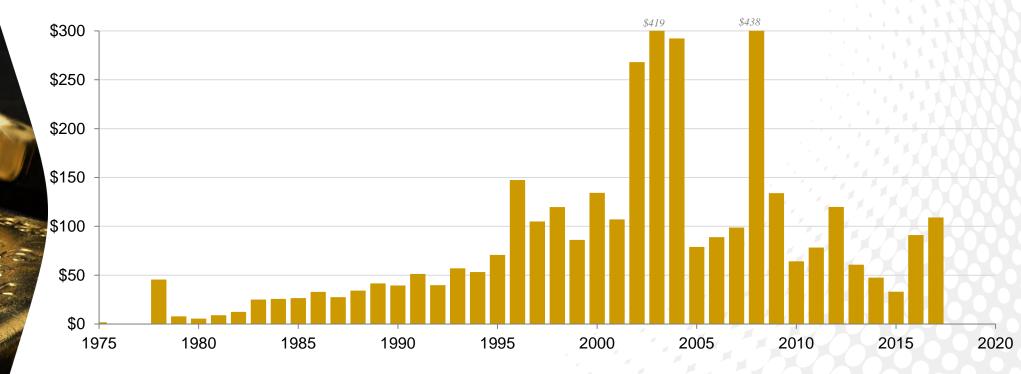
Depth of Hole (metres)	No Holes (thousand)			
All Holes	1347	100%	64.5	100 %
>50m	463	34%	44.9	70%
>100m	129	9%	21.7	34%
>200m	30	2%	10.0	15%
>300m	13	0.9%	6.2	10%
>500m	4	0.3%	2.8	4%
>800m	1.1	0.08%	1.3	2%
>1000m	0.6	0.05%	0.8	1.3%

**Key Insights** 

2.

W.A. brownfield discovery is low cost and low risk

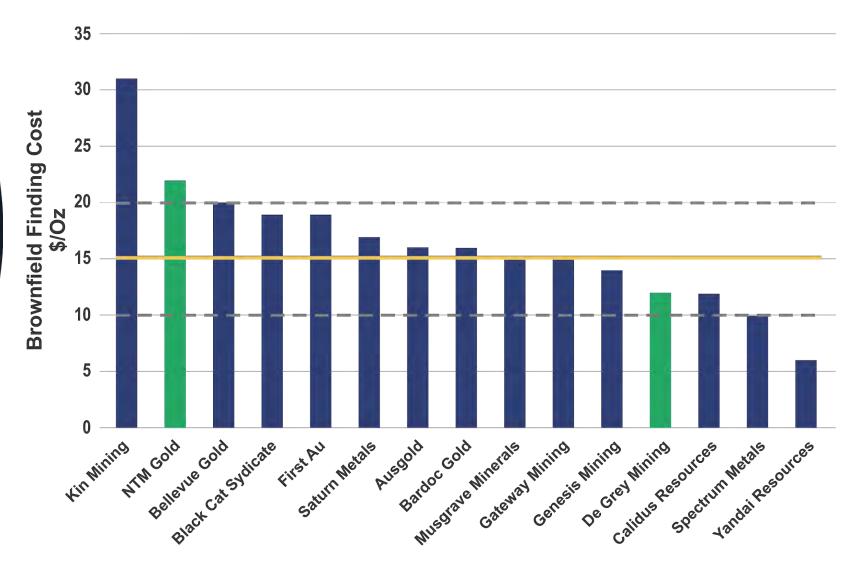
# W.A. finding costs for gold (greenfield + brownfield) are approx. \$100 per oz



Source: MinEx Consulting © Sept 2018

**Key Insight 2.** 

WA Brownfield finding costs in a narrow range \$10 to \$20/oz suggests lower risk than generally assumed

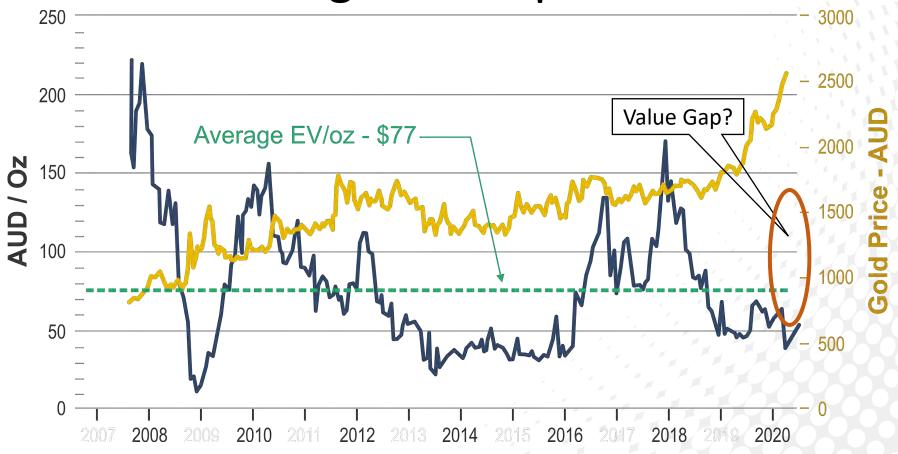


Only Company's with JORC gold resources in Western Australia that have not progressed to a DFS and where a discovery can be reasonably calculated (e.g. where no joint venture deals have been done) have been selected. Finding cost calculated on the sum of exploration expenditure declared in quarterly reports to the ASX divided by growth in announced JORC compliant resources over the relevant period. The largest time period of announced resource growth is used for each company available

**Key Insights** 

Brownfield discovery generates high

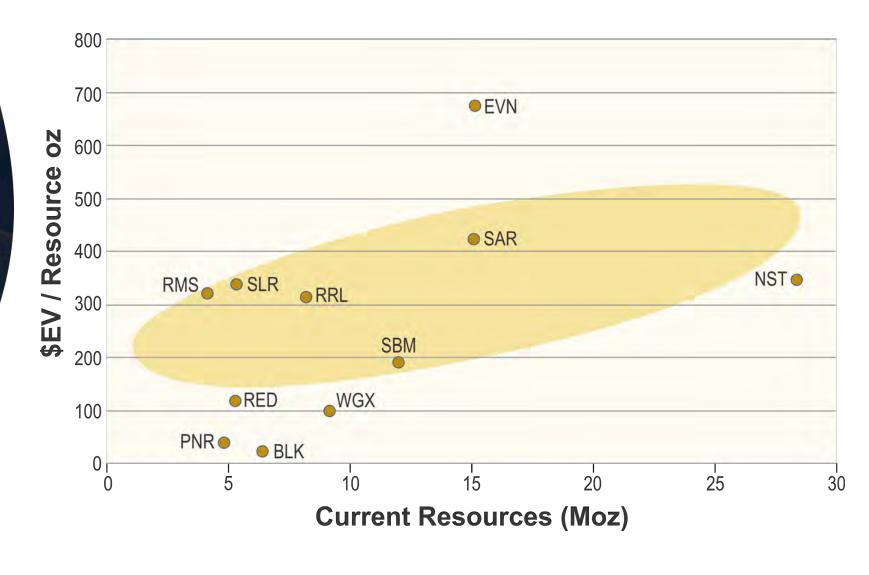
WA brownfield explorers are historically valued on average at \$77 per ounce



Recently, valuations have declined as the gold price has increased

Key Insight 3.

Western Australian gold producers are valued at \$200 to \$500+ per resource ounce, increasing with scale



**Key Insight 3.** 

# Brownfield discovery generates high returns

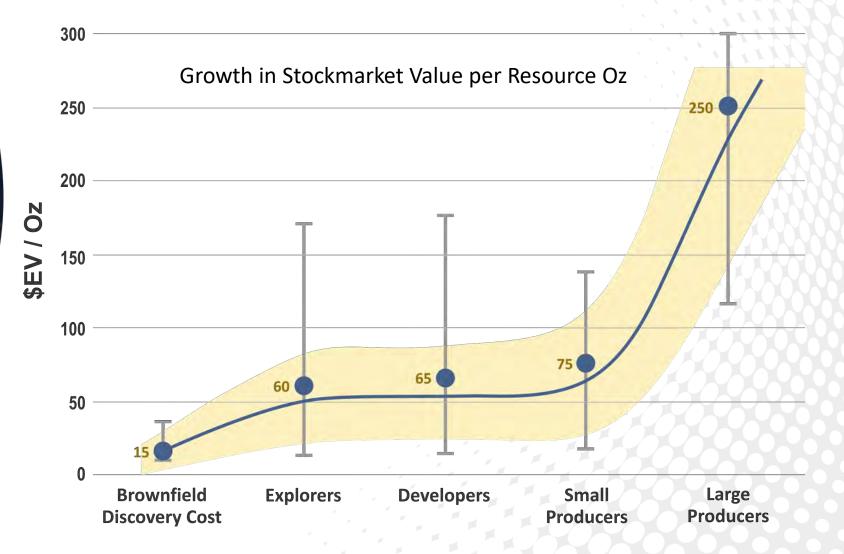
+50% IRR



Producer Value: ~\$200-500+/oz



Finding Cost: ~\$10 to \$20/oz



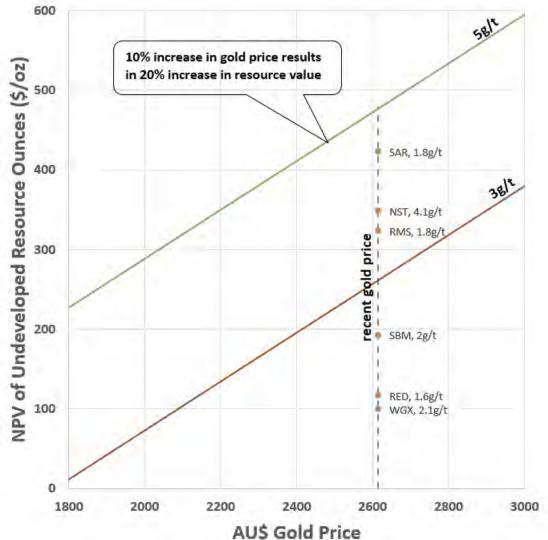
# Recent examples of brownfield discovery value creation

Company	Discovery & R Definiti		Discovery Cost <sup>1</sup>	Shareholder Value Created <sup>2</sup>	Shareholder Return (IRR% pa)
<b>Gold Road</b>	01/13 - 04/18	5.3 yrs	\$18/oz	\$500m	54%
Capricorn	10/15 - 10/16	1 yr	\$18/oz	\$52m	1200%
Bellevue	01/17 - 11/19	1.8 yrs	\$19/oz	\$210m	145%

**Key Insights** 

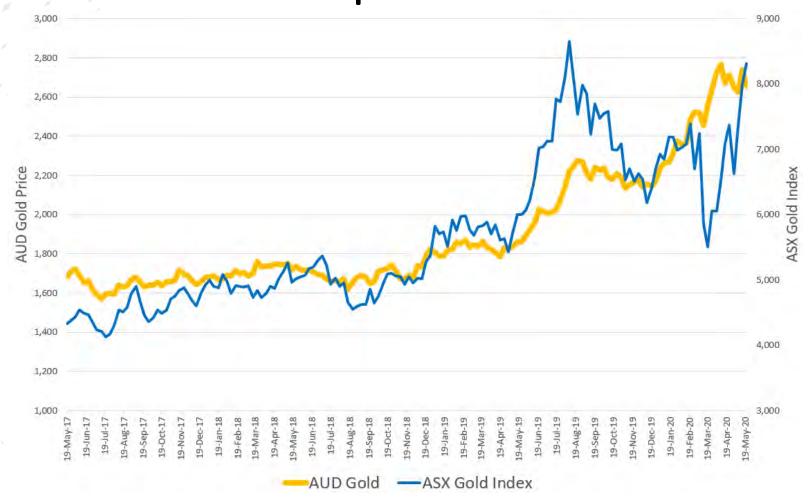
Market valuations of gold resources are leveraged to the gold price

Valuation of undeveloped gold resources is leveraged approx. 2:1 to the gold price



Key Insight 4.

Valuations of Australian gold producers have yet to show expected leverage to the recent rise of the Australian gold price







1

# Brownfield exploration success

- High Probability Outcomes
- Growth in shareholder wealth through resource growth

2

# Asset value growth

- Finding Cost: \$15 per ounce
- Explorer Value: \$60 per ounce
- Producer Value: \$200 to \$500 per ounce

3

#### **Gold price**

10%
 increase in
 gold price
 results in
 20%
 increase in
 resource
 value

4

# Greenfield exploration success

- DGO spending less than 5% of market cap annually on greenfield exploration
- Lower probability of success but significant upside

## **Discovery Strategy**

#### **Brownfield**



- Continue to fund current positions:
  - De Grey (16.3%)
  - NTM (13.6%)
- Both have 2 to 3 years of resource delineation ahead
- Growing shareholder value at \$15/oz finding cost
- Future decisions:
  - Standalone development
  - Joint venture partner
  - Sale or merger

#### Greenfield



- Build large, strategic land positions
- Detailed analysis of geology and past data
- Significant value already created
- Proof-of-concept underway
  - Geophysics; geochemistry
  - Initial drilling
- Annual discovery expenditure <5% of market cap</li>
- Future decisions:
  - Discovery/delineation
  - Joint venture
  - Trade land for equity
  - Investment in greenfield explorers



## **Brownfield Strategy**

DGO seeks to identify large scale gold discovery opportunities that meet three key selection criteria:

1 Low finding cost



Less than \$20 per resource ounce.

2 Potential for scale



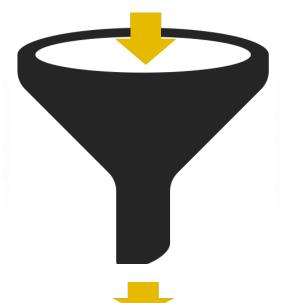
Potential for +5 million ounces.

Optionality
3 to the upside



Substantial coherent land holding with long term resource growth potential

**+100** ASX listed WA gold explorers/developers





brownfield explorers



**2** invested to date

- De Grey Mining Ltd
- > NTM Gold Ltd

# De Grey Mining Limited Mallina Gold Province

Low finding costs

2.2 Moz gold resource<sup>1</sup> and growing. Average finding costs of \$15 per/oz.

Scale

GOLD

Land position comparable in scale to the Yandal Belt, WA.

Upside optionality

Hemi was within the first of four 20 to 30km long regional targets to be explored.

Influential stake

DGO has 16.3%\* (193.6m shares) and 2 board positions

Share Price \$1.00

**Shares 1172.5**m

Market Cap \$1,173m

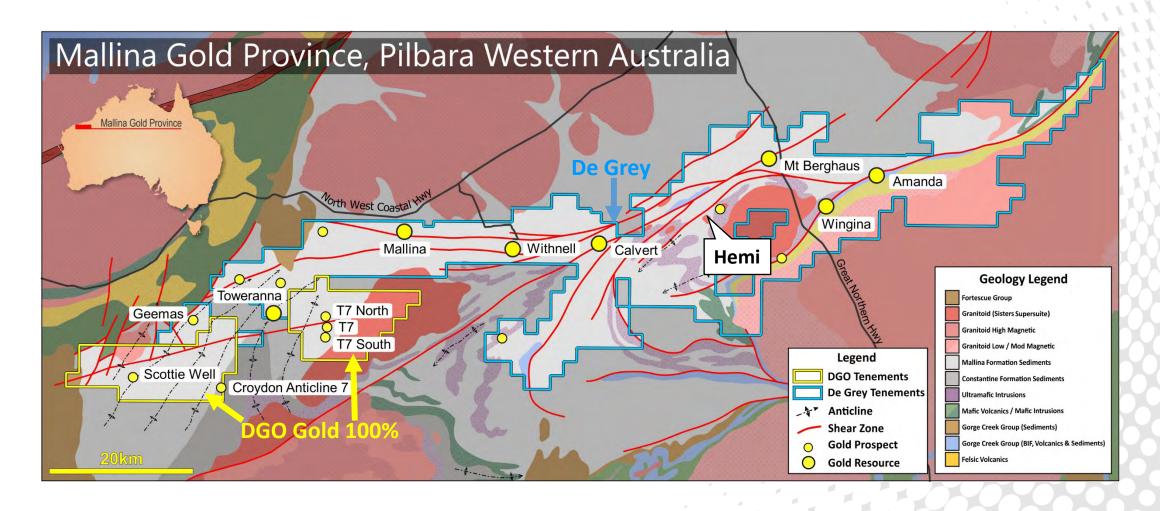
#### **Significant Discovery at Hemi**

Including Brolga, Aquila, and Crow. Gold mineralization occurs over a strike of 1.2km<sup>2</sup> and width of 1km<sup>2</sup>

Market Value of DGO Investment

3194m

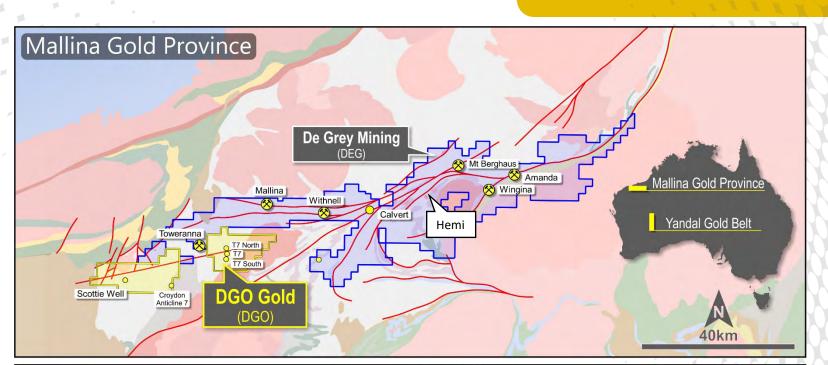
# DEG/DGO has a commanding strategic position in the Mallina Gold Province, host of the Hemi Discovery

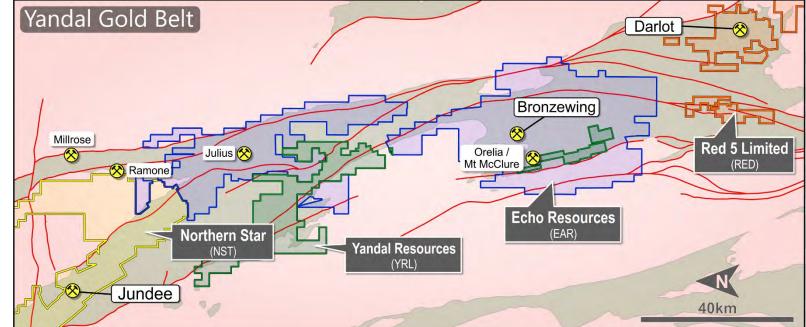




The Mallina Gold Province is similar in scale to the 17 Moz Yandal Belt<sup>1</sup>, an analogue for its Potential

<sup>1</sup>G Neil Phillips & J R Vearncombe2011, 'Exploration of the Yandal gold province, Yilgarn Craton, Western Australia', Applied Earth Science, vol. 120, no. 1, pp. 44–59.





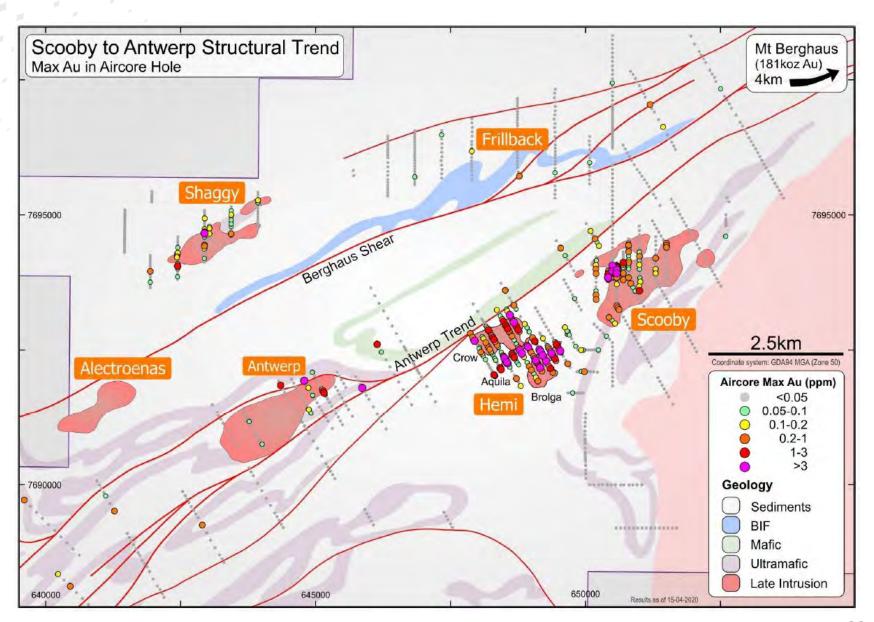
#### The 15km Hemi Trend

Approx 30 to 40m of cover

Only tested to a maximum depth of 300m

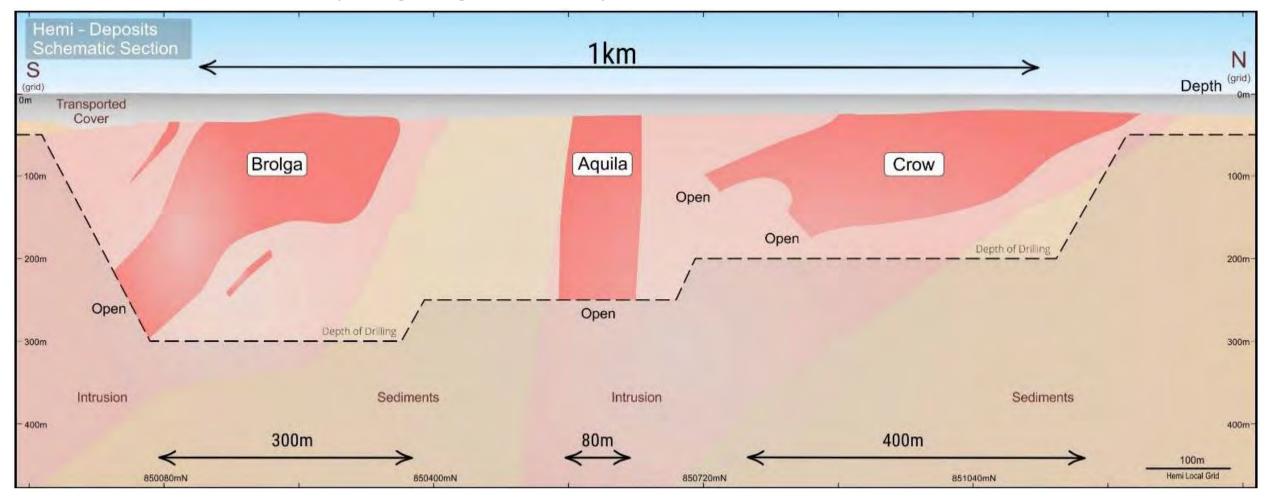
Mineralisation is open at depth and along strike

Mineralised corridor from Antwerp to Scooby over more than 15km of strike.





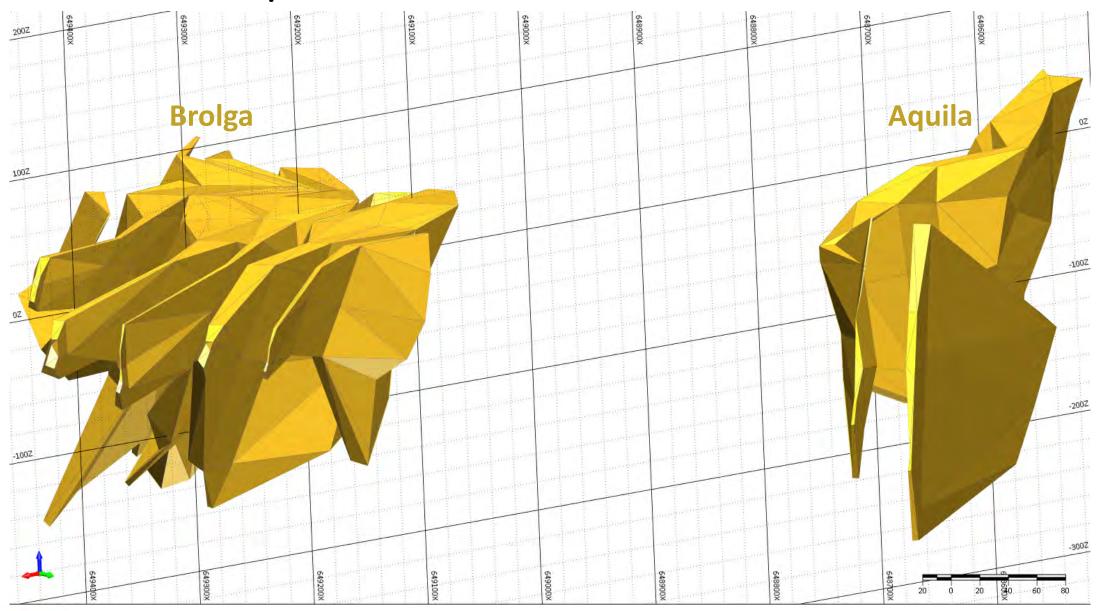
#### The Hemi discovery highlights the potential of the Mallina Belt



"Brolga and Aquila are developing into two very large gold systems with widths of gold mineralisation never seen before in the project area nor the Pilbara region." A.Beckwith, DEG Technical Director<sup>1</sup>



#### Hemi – 3D Interpretation of Mineralisation





#### **NTM Gold Limited**

 Strategically Located located 40km NE of Leonora, WA

Low finding costs

Average finding costs of approximately \$22 dollars per/oz.

Resources

141Koz resource at 4.9g/t at Hub, total resources 0.68Moz<sup>1</sup>

Upside optionality

Less than 20% of the 40km of Mertondale Shear Zone adequately explored.

Influential stake

DGO has 13.6% and a board position.

92.7m shares and 60m options @ 10c (exercise date: 31/03/2022)

Share Price Shares **8.0**c

**683.9**m

Market Cap

\$**54.7**m

Market Value of DGO Investment

8.8m

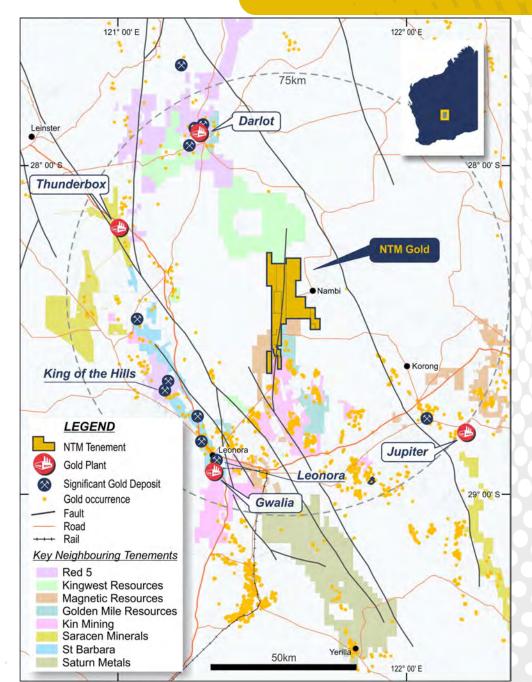
#### **NTM Gold**

#### Strategically Located

4 operating gold processing plants are located within 75km's:

- Thunderbox (Saracen)
- Gwalia (St Barbara)
- Darlot (Red 5)
- Jupiter (Dacian)

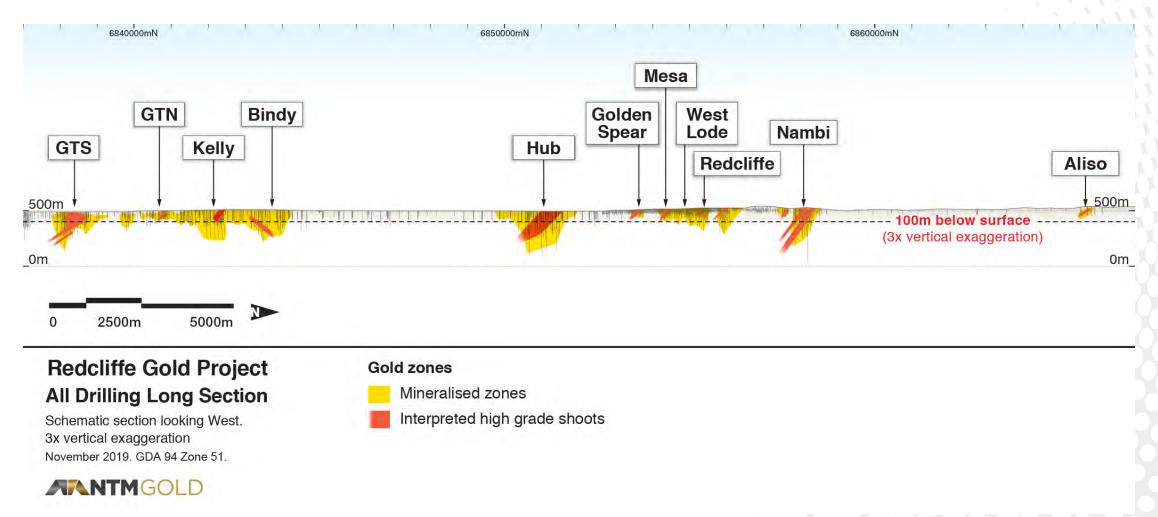
Nearby gold operations, based on public domain data, are investigating acquisition of additional resources and/or seeking toll milling arrangements.





#### NTM Gold

High Grade Plunging Shoots – Significant discovery potential along strike, below 50m and undercover



NTM holds 40km of strike length of Mertondale Shear - less than 20% adequately explored to depths greater than 50m



## **Greenfield Strategy**

DGO has built large land positions in strategic locations that meet three key selection criteria:

1 Prospectivity



Geological analogue to world class, sediment hosted deposits.

2 Potential for scale



Potential for +5 million ounces.

3 Proximity to Infrastructure



In close proximity to existing processing plants

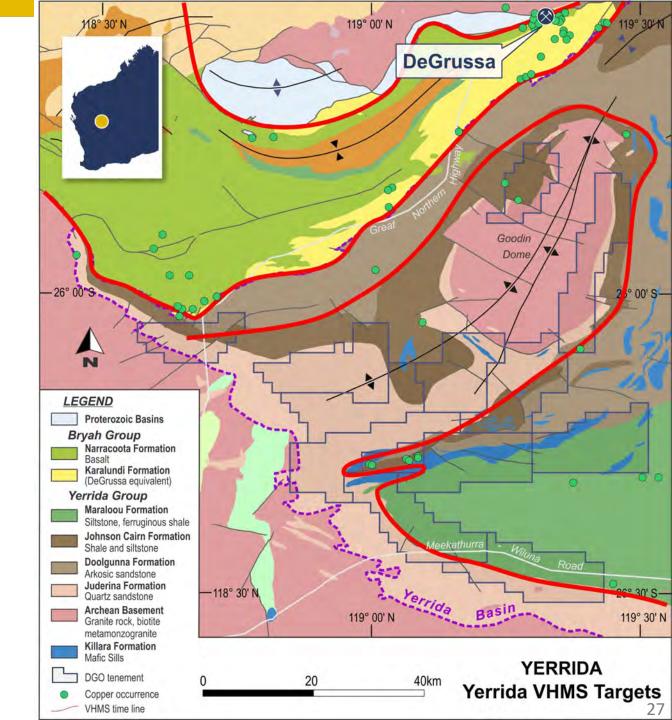


#### DeGrussa Style and Zambian Copper Belt Copper Targets

Signature anomalous tin, barium, and thallium soils geochemistry is coincident with airborne and ground EM anomalies.

These signature metals are indicative of massive sulphide VHMS deposits under cover, similar to DeGrussa located 70km to the north.

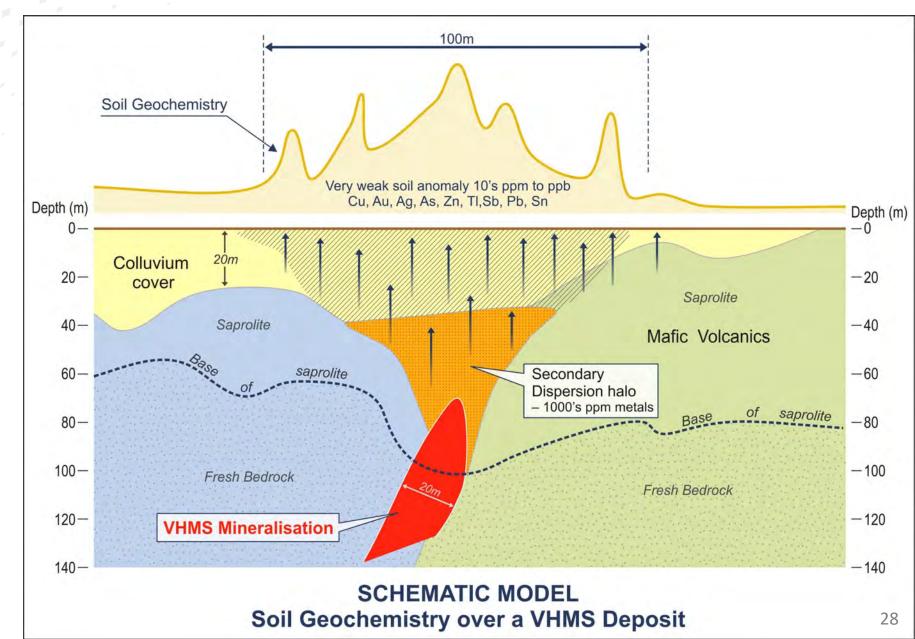
DGO has identified 10 priority targets to drill test in late June/early July.



<sup>1</sup>ASX: DGO Announcement 9th April 2020



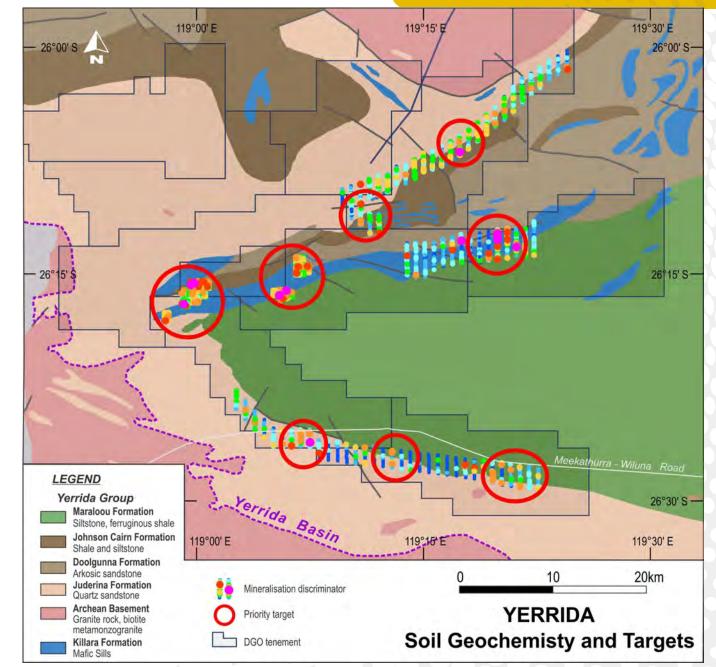
The model for exploring for VHMS massive sulfide copper gold deposits undercover at Yerrida



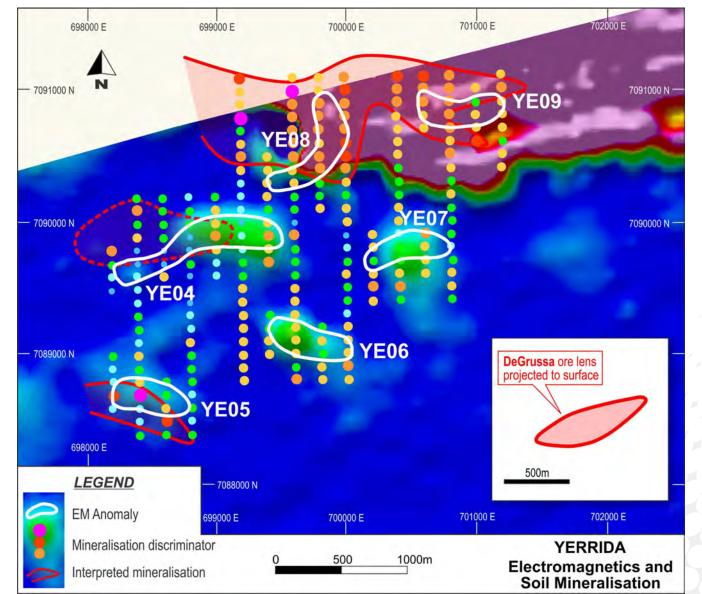
Based on published CSIRO case studies of Degrussa we know that Cu, Au and Ag give a good response in soils over covered copper gold mineralisation. Zn, TL and Sn are also discriminatory pathfinder elements for massive sulphide deposits.

Prof. Ross Large has developed a series of discriminators to distinguish geochemical anomalies due to the black shales from those due to buried sulphide mineralization

Mineralization Discriminator = Cu + Zn + 10\*Au + 1000\*Ag + 260\* TL



#### DeGrussa Style Soil and Electromagnetic Targets





#### Pernatty Lagoon, Stuart Shelf, SA (Copper/Gold, 100%)

The Stuart Shelf is a World Class copper province

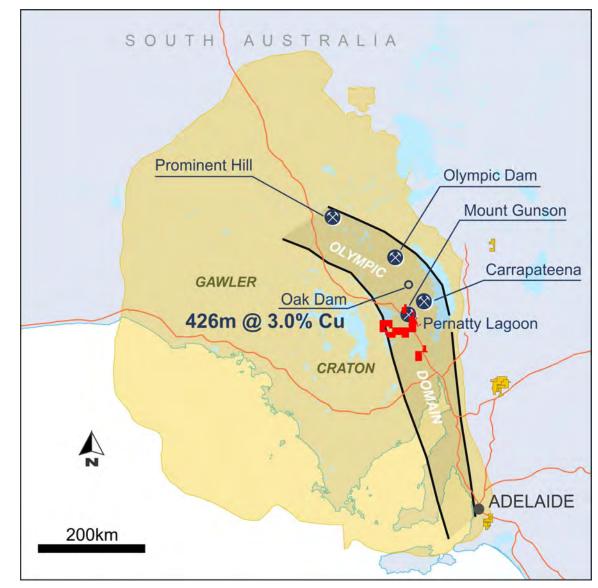
DGO's discovery strategy is focused on Zambian Copper Belt (ZCB) style deposits in sedimentary rocks of the same age.

Pernatty is in close proximity to processing infrastructure at Carrapateena (40km northeast) and Olympic Dam (100km north)

Pernatty Lagoon represents a rare opportunity to discover world-class Cu deposits in Australia.

"The best Zambian Copper Belt style play in Australia."

Dr Stuart Bull, ZCB expert, 2019.

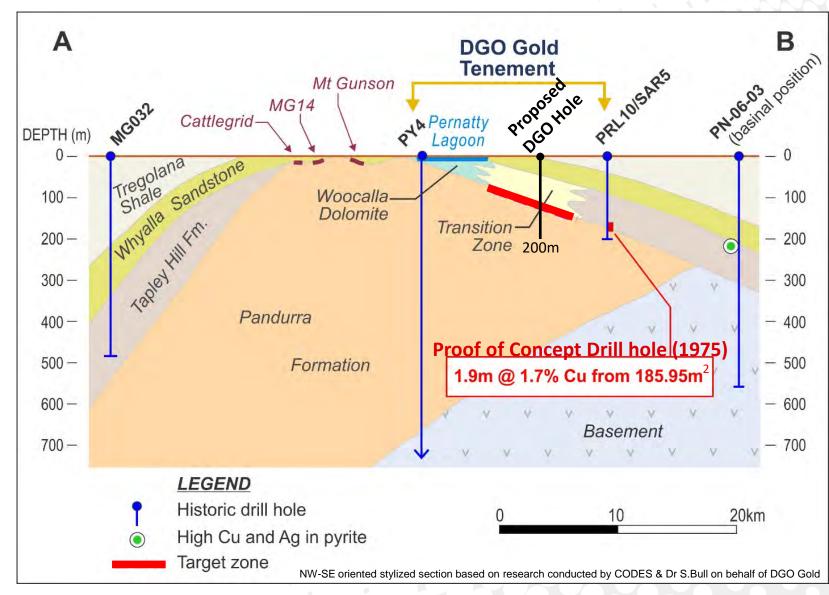


#### Pernatty Lagoon Zambian Copper Belt deposit model

Zambian copper deposits are hosted in reduced shale overlying an oxidised sandstone aquifer with best grades developed at basin margins

The analogous Stuart Shelf target lies between Woocalla Dolomite and Tapley Hill shale

The Chambishi deposit in Zambia has total resources of ~124Mt @ 2.6% Cu (3Mt contained Cu)<sup>1</sup>

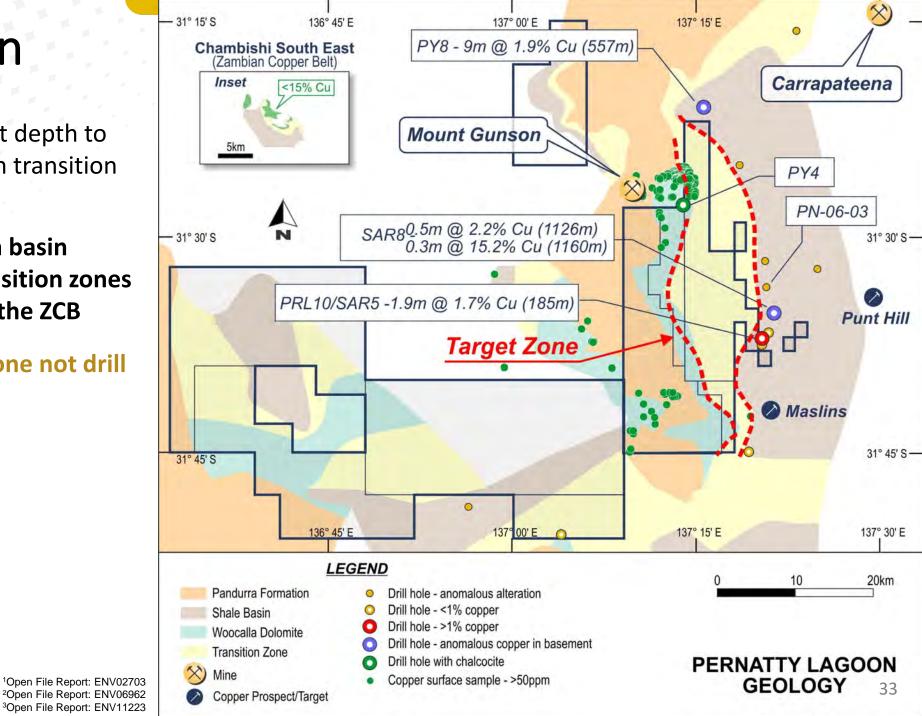


## Pernatty Lagoon

Previous drilling indicates that depth to target is 100m to 200m within transition zone

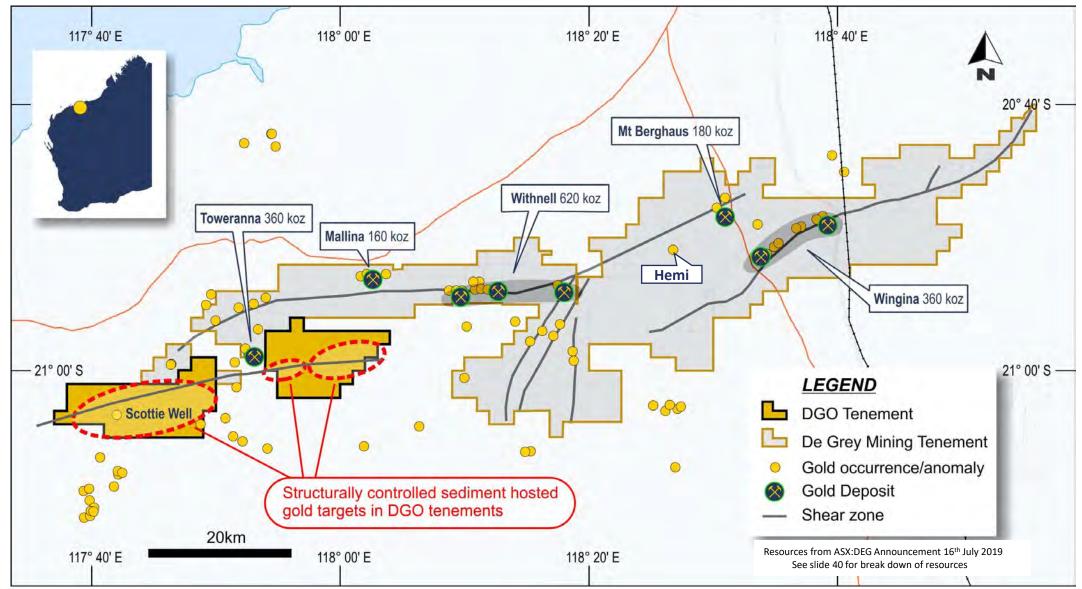
Strong evidence for a >40 km basin margin setting similar to transition zones hosting shale ore systems in the ZCB

Pernatty Lagoon transition zone not drill tested





#### DGO/DEG has a commanding position in the Mallina Gold Province

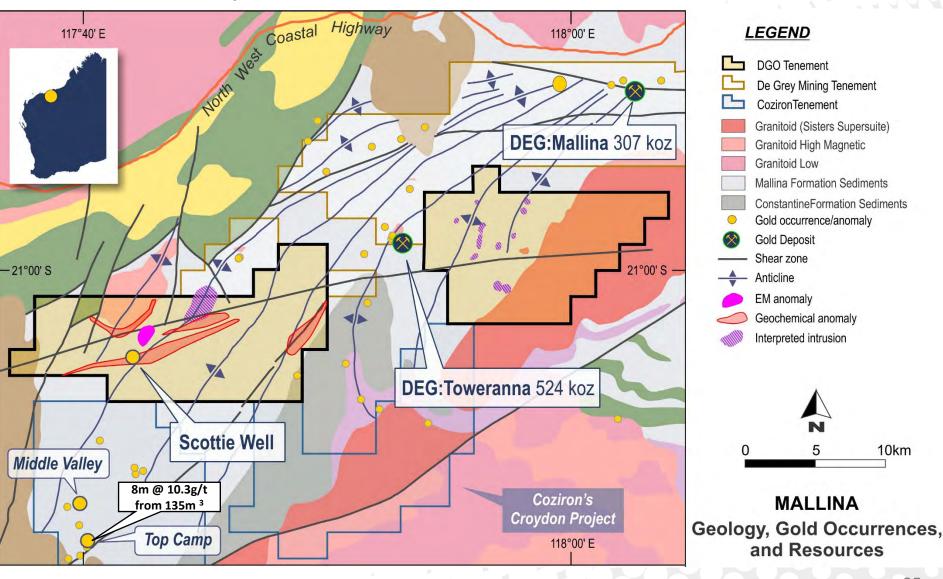


# Mallina (Gold, 100%)

#### 30km Structure Adjacent to De Grey

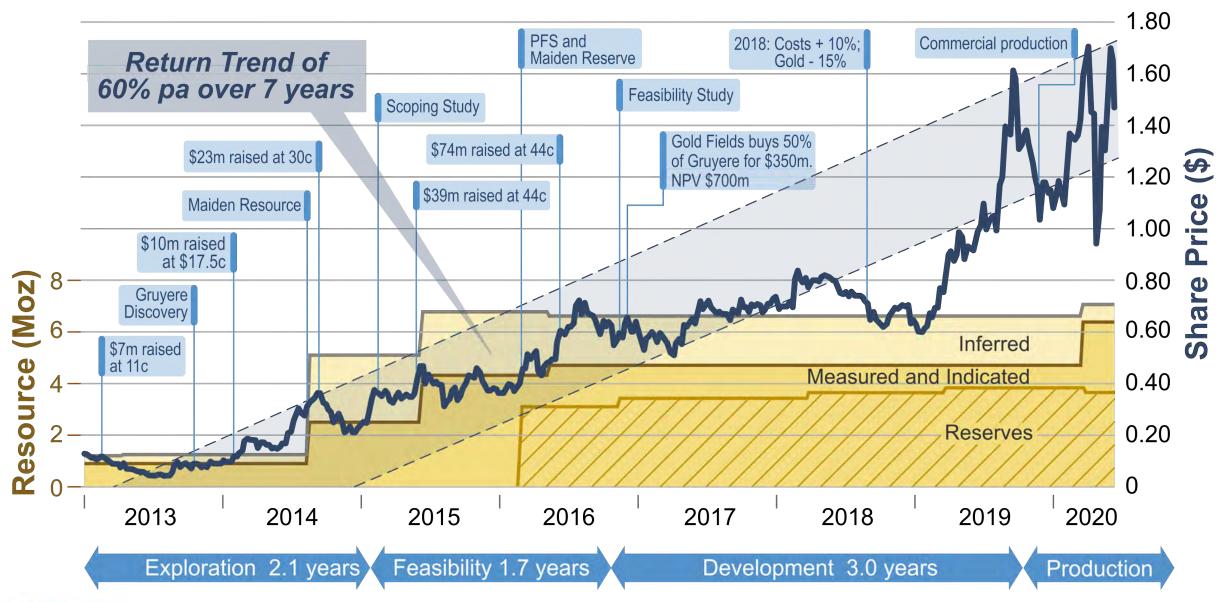
Gold occurrences in region commonly associated with intrusives and anticlinal axes.

First pass very widely spaced aircore drilling has provided additional data and improved our understanding of the prospectivity.1



10km

#### Gold Road Case Study



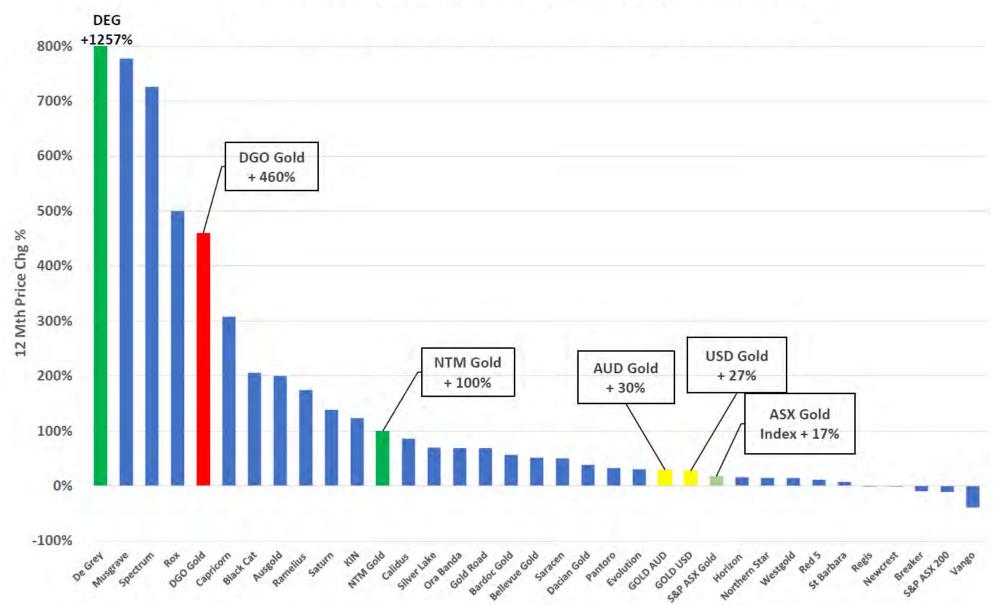
# Only 5% of stocks in the All Ords Index have generated > 40% p.a. returns over the last 7 years

#### Over 7 years

No. of All Ords Stocks > 40% p.a.	22 out of 475
Including:	% p.a.
Saracen	69
Gold Road	61
Northern Star	59
Bellevue Gold	44
Aust. Gold Index	15
AUD Gold Price	10
All Ords Accum. Index	6



#### Australian Gold Sector - 12 Month Performance



## DGO Corporate Profile

	Ownership	Cost \$M	Asset Value at Market \$M	
<b>Brownfield Investments</b>		·	·	
De Grey Mining (ASX:DEG)	16.3%	31 <sup>1</sup>	194	
NTM Gold (ASX:NTM)	13.7%	5	9	
Total Brownfield		36	203	
<b>Greenfield Projects</b>				
Total Greenfield		4	<b>23</b> <sup>2</sup>	
Net Cash (est. 30 June)		6	6	
Total Valuation		46	232	<u> </u>
Per DGO Share (fully diluted)			\$3.34	
Share Prices Used				
De Grey (\$ps)		,	\$1.00	
NTM (cps)			8.0c	

Accet Value

<sup>&</sup>lt;sup>1</sup>Includes the cost of purchasing DEG shares in exchange for DGO shares on 12 March 2020, and participating in DEG Capital Raise on 28 April 2020 subject to DEG shareholder approval <sup>2</sup>CSA mid-point valuation of DGO's exploration assets (ASX:DGO 12<sup>th</sup> May 2020)



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Exploration or technical information in this presentation is based on information reviewed by David Hamlyn, who is the General Manager - Exploration of DGO Gold Limited and a Member of the Australasian Institute of Mining and Metallurgy. Mr Hamlyn has sufficient experience which is relevant to the style of mineralisation under consideration and to the activity which he is undertaking 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" (the JORC Code). Mr Hamlyn consents to the report being issued in the form and context in which it appears.



# Appendix 1

	Company	Measured		Indicated		Inferred			Total					
ASX Code		Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Tonnes	Grade	Ounces	Date of Announcement
		Mt	g/t	Moz	Mt	g/t	Moz	Mt	g/t	Moz	Mt	g/t	Moz	
ARS	Alt Resources Limited	0.85	2.42	0.07	4.43	1.80	0.26	2.11	1.53	0.19	10.47	1.54	0.519	10/02/2020
AUC	Ausgold Limited	2.26	2.05	0.15	11.99	1.14	0.44	19.68	0.97	0.61	33.93	1.10	1.20	1/11/2019
AYR	Alloy Resources Limited							5.72	1.40	0.26	5.72	1.40	0.26	26/08/2019
BC8	Black Cat Syndicate Limited				0.77	3.30	0.08	1.90	2.60	0.16	2.67	2.80	0.24	18/02/2020
BDC	Bardoc Gold Limited	0.15	2.30	0.01	28.88	1.90	1.77	20.40	1.90	1.25	49.43	1.90	3.02	30/09/2019
BGL	Bellevue Gold Limited							6.10	11.30	2.20	6.10	11.30	2.20	24/02/2020
BRB	Breaker Resources NL				18.36	1.40	0.80	4.85	1.10	0.18	23.21	1.30	0.98	2/09/2019
CAI	Calidus Resources Limited				13.50	1.83	0.80	7.70	1.81	0.45	21.20	1.83	1.25	6/02/2019
DEG	De Grey Mining Limited	4.71	1.70	0.27	14.24	1.70	0.79	18.49	1.90	1.11	37.44	1.80	2.16	2/04/2020
FAU	First Au Limited							0.64	3.33	0.07	0.64	3.33	0.07	7/05/2019
GMD	Genesis Minerals Limited	0.80	5.20		4.61	3.00		3.07	3.00		8.48	3.20	0.87	19/12/2019
HRN	Horizon Gold Limited				11.19	2.00		4.70	2.53		15.89	2.70	1.39	12/07/2019
HRZ	Horizon Minerals Limited	6.16	0.93	0.21	12.63	1.41	0.57	5.68	1.51	0.28	24.88	1.32	1.06	6/03/2018 & 24/10/2018
KIN	Kin Mining NL	0.40	1.04	0.01	12.40	1.49	0.59	8.30	1.28	0.34	21.00	1.40	0.95	17/02/2020
KWR	Kingwest Resources Limited				1.13	2.04	0.07	2.85	2.00	0.18	3.94	2.03	0.26	16/03/2020
MGV	Musgrave Minerals Limited				3.17	2.50	0.25	3.28	3.40	0.36	6.45	3.00	0.61	17/02/2020
MXR	Maximus Resources Limited				0.26	2.30		1.19	2.43		1.45	2.41	0.11	11/04/2017
NTM	NTM Gold Limited				1.75	2.23	0.13	10.77	1.19	0.41	12.53	1.34	0.54	13/06/2018
OBM	Ora Banda Mining Limited	0.30	2.80		15.80	2.50		7.70	2.60		23.80	2.60	1.99	4/02/2020
RXL	Rox Resources Limited <sup>1</sup>				2.76	2.69	0.24	3.43	3.12	0.36	6.56	2.91	0.60	17/04/2019
SPX	Spectrum Metals Limited				0.47	17.80	0.27	0.33	8.20	0.09	0.80	13.80	0.36	24/10/2019
STN	Saturn Metals Limited				9.20	1.00	0.30	13.50	1.00	0.48	24.50	1.00	0.78	14/10/2019
VAN	Vango Mining Limited				0.95	9.40	0.29	0.65	6.00	0.13	1.59	8.00	0.41	18/04/2019
VMC	Venus Metals Corporation Limited <sup>1</sup>				2.76	2.69	0.24	3.43	3.12	0.36	6.56	2.91	0.60	17/04/2019
YRL	Yandal Resources Limited				0.87	1.56	0.05	3.73	1.23	0.15	4.59	1.29	0.19	24/09/2019
														,,
NST	Northern Star Resources Limited	41.1	1.9	2.6	193.3	2.5	15.2	86.0	3.8	10.6	321.2	2.7	28.4	27/08/2019, 23/04/2019, 17/12/2019
EVN	Evolution Mining Limited	58.72	0.69	1.307	425.27	0.75	10.236	10.68	1.4	3.624	564.67	0.84	15.167	12/02/2020
SAR	Saracen Mineral Holdings Limited	45.2	1.6	2.3	199.0	1.6	10.0	47.4	1.8	2.8	296.6	1.6	15.1	1/08/2019 & 18/11/2019
RRL	Regis Resources Limited	16.60	0.84	0.45	213.20	0.99	6.79	33.50	0.89	0.95	263.30	0.97	8.19	19/07/2019
SLR	Silver Lake Resources Limited	3.46	5.50	0.62	20.64	4.10	2.69	15.24	4.00	1.98	39.35	4.20	5.29	27/08/2019
RMS	Ramelius Resources Limited	4.70	1.60	0.24	53.00	1.60	2.70	22.00	1.60	1.20	81.00	1.60	4.10	10/09/2019
DCN	Dacian Gold Limited	6.29	1.20	0.24	20.44	1.90	1.25	5.23	3.40	0.57	31.96	2.00	2.07	27/02/2020
RED	Red 5 Limited	0.07	9.80	0.002	76.10	1.53	3.84	25.40	1.78	1.44	101.51	1.62	5.27	19/03/2020 & 10/02/2020
WGX	Westgold Resources Limited	4.081	3.04	0.40	76.29	2.18	5.36	50.47	2.07	3.37	130.84	2.17	9.12	4/10/2019
SBM	St Barbara Limited	35.53	2.10	2.37	108.373	2.30	7.90	39.16	1.30	1.70	183.05	2.00	11.97	21/08/2019
PNR	Pantoro Limited	4.91	2.20	1.20	13.58	3.89	1.81	18.64	4.96	2.58	37.15	4.03	4.79	27/09/2019
BLK	Blackham Resources Limited	0.6	0.99	0.02	66.20	1.71	3.63	26.40	3.22	2.73	93.20	2.13	6.38	27/09/2019
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<sup>1</sup>VMC & RXL each currently hold 50% of the Youanmi Project and the resource has been divided as such