# DGO GOLD

# Discovery Leveraged Investment in Gold

Annual General Meeting
November 2019



## Disclaimer and Compliance Statement

This presentation does not constitute investment advice. Neither this presentation nor the information contained in it constitutes an offer, invitation, solicitation or recommendation in relation to the purchase or sale of shares in any jurisdiction. This presentation does not take into account any person's particular investment objectives, financial resources or other relevant circumstances and the opinions and recommendations in this presentation are not intended to represent recommendations of particular investments to particular persons. All securities transactions involve risks, which include (among others) the risk of adverse or unanticipated market, financial or political developments.

To the fullest extent permitted by law, DGO Gold Limited (the Company or DGO) does not make any representation or warranty, express or implied, as to the accuracy or completeness of any information, statements, opinions, estimates, forecasts or other representations contained in this presentation. No responsibility for any errors or omissions from this presentation arising out of negligence or otherwise is accepted.

This presentation includes forward looking statements. Forward looking statements are only predictions and are subject to risks, uncertainties and assumptions which are outside the control of DGO. These risks, uncertainties and assumptions include commodity prices, currency fluctuations, economic and financial market conditions in various countries and regions, environmental risks and legislative, fiscal or regulatory developments, political risks, project delay or advancement, approvals and cost estimates. Actual values, results or events may be materially different to those expressed or implied in this presentation. Given these uncertainties, readers are cautioned not to place reliance on forward looking statements. Any forward looking statements in this presentation speak only at the date of issue of this presentation. Subject to any continuing obligations under applicable law and the ASX Listing Rules, DGO does not undertake any obligation to update or revise any information or any of the forward looking statements in this presentation or any changes in events, conditions or circumstances on which any such forward looking statement is based.

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 Australian 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.

The information in this report that relates to Exploration Targets is based on information compiled by Dr James Lally who is a Member of The Australian Institute of Geoscientists and is employed by Mining Associates Pty Ltd. Dr Lally has sufficient experience which is relevant to the style of mineralisation and type of deposit 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'. Dr Lally consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.



## DGO Corporate Overview

Shares 35.2m

Share Price \$0.98

Market Cap \$34.5m

Cash (at 30 Sept) \$4.1m

Options:

40c 30/06/20 **0.9m** \$1.00 31/12/21 **10.0m** 

Performance Rights

\$2.00 31/07/21 **2.9m** 

12 Major Shareholders 85%

Board 21%

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

(Common Base 100)



# **Corporate Objectives**



To provide an outstanding opportunity for shareholders to participate in a discovery-leveraged investment in gold.



To apply expertise and disciplined allocation of capital; and

To maximise returns for DGO shareholders.



To build on the successful history of the Australian gold industry; and

To participate in cost effective discovery of gold resources.

# Market Analysis

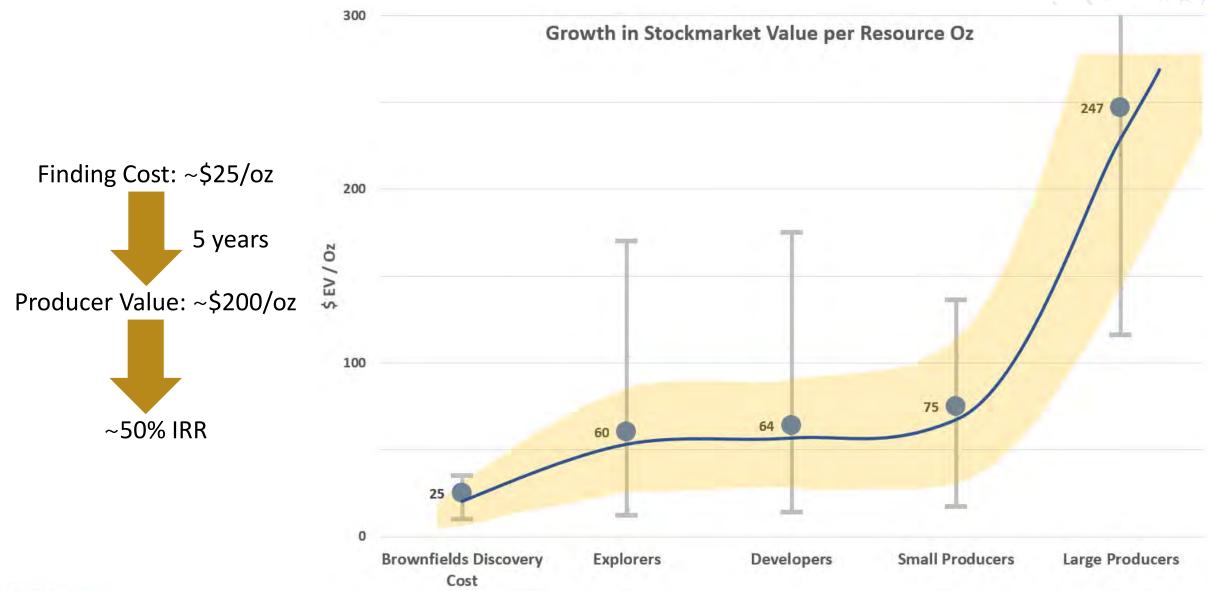


- Most explorer's activity levels reflect limited short term funding
- Drilling programmes are often sub-scale
- Limited broker analysis of the explorer sector
- The explorer sector is generally under-valued



- Producers' appetites for exploration is increasing as the gold price increases and reserves decline
- Producers are looking for province scale land positions with large scale single resource potential (>5 Moz)
- Quality exploration land positions are largely held by junior explorers
- The average Australian gold producer has resources of 8Moz<sup>1</sup>

# Brownfield Discovery Generates Attractive ROI





# Recent Examples of Discovery Value Creation

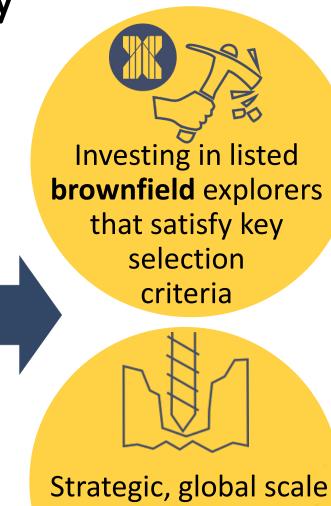
Company	Discovery & R Definiti		Discovery Cost <sup>1</sup>	Shareholder Value Created <sup>2</sup>	Shareholder Return (IRR% pa)
Dacian	11/12 - 07/16	3.7 yrs	\$15/oz	\$430m	<b>52</b> %
Gold Road	01/13 - 04/18	5.3 yrs	\$18/oz	\$500m	54%
Capricorn	10/15 - 10/16	1 yr	\$18/oz	\$52m	1200%
Bellevue	01/17 - 11/19	1.8 yrs	\$19/oz	\$210m	145%



**DGO Corporate Strategy** 



To provide shareholders participation in a discoveryleveraged exposure to gold through:



opportunities

DGO's listed investments can be anticipated to return **30**% to **100**% IRR's (over 3-5 years)1.





Very high potential returns; focus on managing risks.

DGO GOLD

<sup>1</sup>Based on successful ASX listed brownfield discovery and development outcomes over the past five years. Refer slide 9.

# DGO's Discovery Strategy

## **Brownfield**



- Continue to fund current positions:
  - De Grey (10.7%)
  - NTM (12.3%)
- Both have 2 to 3 years of resource delineation ahead
- Adding shareholder value at \$15/oz finding cost
- Future decisions:
  - Standalone development
  - Joint venture partner
  - Sale or merger

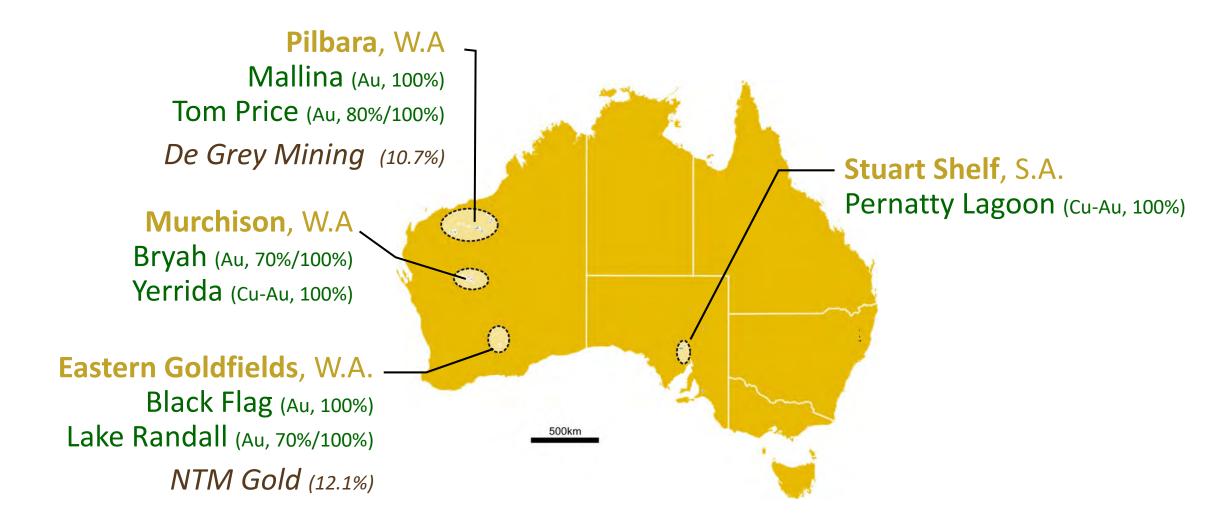
### Greenfield



- Build large, strategic land positions
- Detailed analysis of geology and past data
- Significant value already created
- Proof-of-concept underway
  - Geophysics; geochemistry
  - Initial drilling
- Future decisions:
  - Discovery/delineation
  - Joint venture
  - Trade land for equity



## Current Brownfield & Greenfield Holdings





# **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



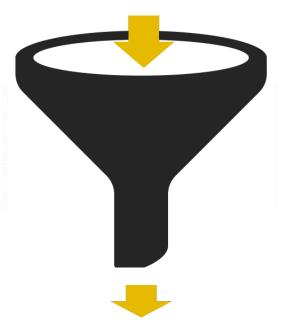
Potential for +5 million ounces.

Optionality
3 to the upside



Substantial coherent land holding with long term resource growth potential

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



15 high priority short list



2 invested to date

- De Grey Mining Ltd
- > NTM Gold Ltd

# De Grey Mining (10.7%) Exploring the Mallina Gold Province

#### Low finding costs

Brownfield opportunity with over 1.7 Moz gold resource<sup>1</sup> and growing. DGO expects average finding costs of approximately \$15 dollars per/oz to continue.

#### Scale

DEG current focus on Mallina is following up outstanding high grade near surface results.

#### Upside optionality

Major discovery upside in largely unexplored 200km Mallina Gold Province.

#### Influential stake

DGO has 10.7% interest and 2 board positions

Shares: 100.8m

Options: 12.5m @ 30c (exercise date: 31/05/2020)

Share Price 5.2c

Shares 938.6m

Market Cap \$48.8m

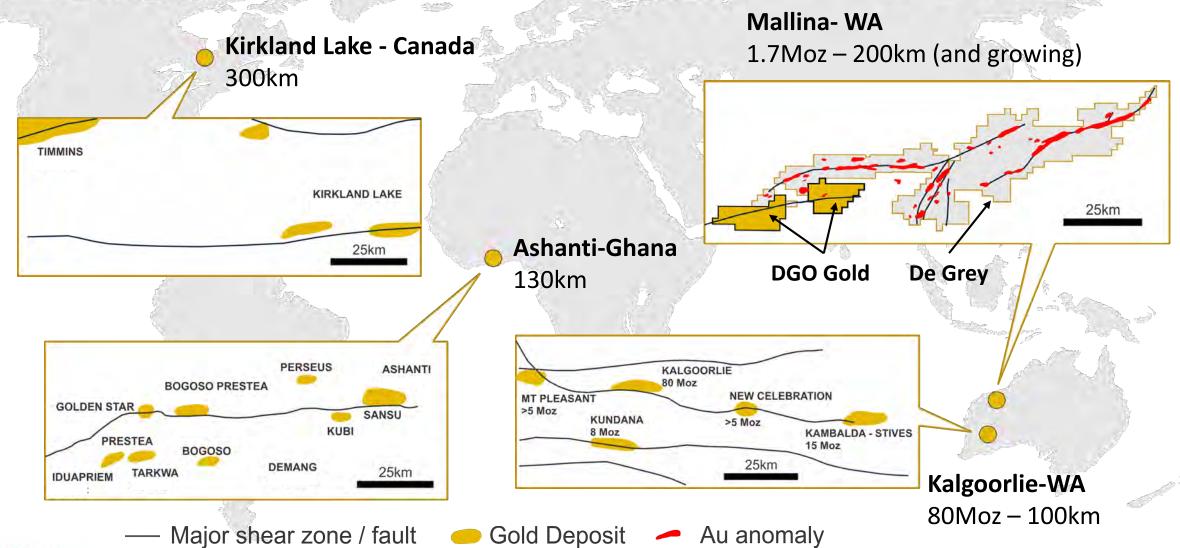
EV/Resource oz \$29

# Current focus on Mallina resource following recent, shallow, high grade results

Mallina: 40m @ 3.9g/t gold from 8m<sup>2</sup>

10m @ 3.1g/t Au from 53m<sup>3</sup>

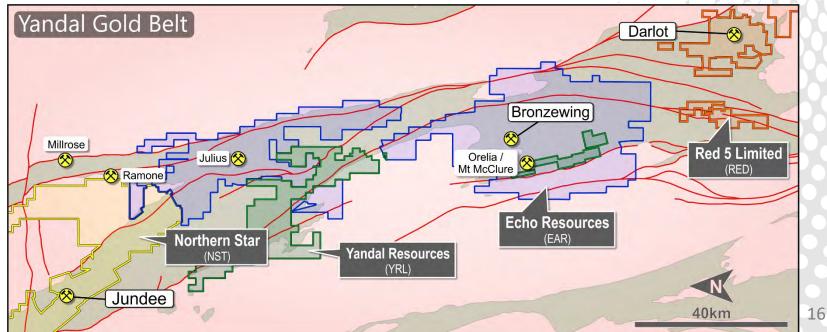
# The Mallina Gold Province compared to world class gold provinces at the same scale



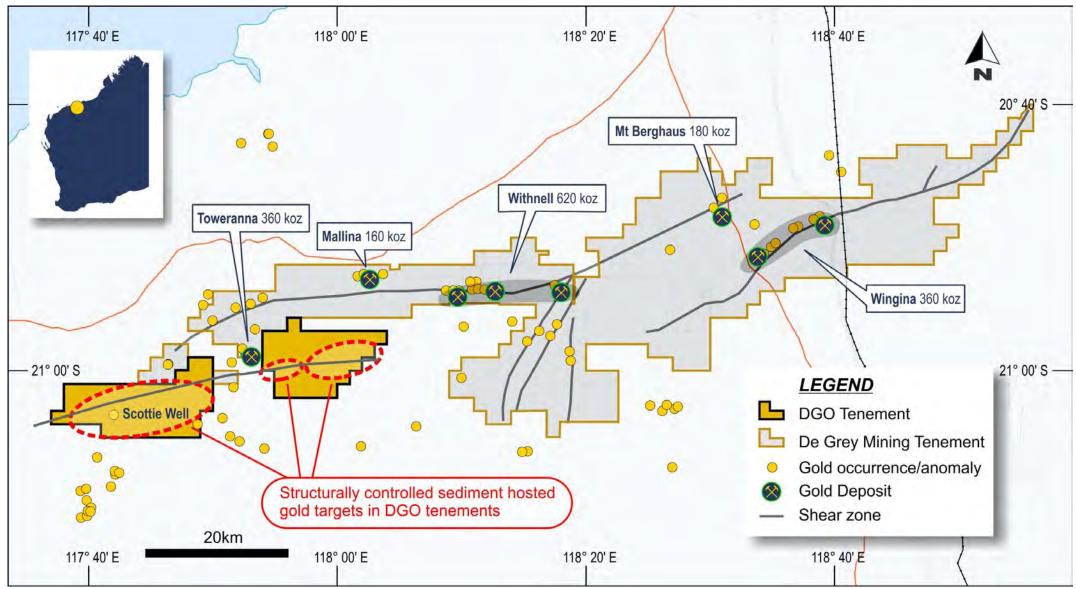


The Yandal Belt is an Analogue for the Potential of the Mallina Gold Province





## DEG has a commanding position in the world scale Mallina Gold Province



# NTM Gold (12.1%) Strategically located, low finding cost resource growth

#### Low finding costs

Brownfield opportunity with 0.5 million ounces of gold resources<sup>1</sup> at June 2018.

DGO expects average finding costs of approximately \$12 dollars per/oz to continue.

#### Scale

In addition to the existing resource of 0.5Moz, a JORC compliant exploration target of up to 1.7Moz has been defined<sup>2</sup>

#### Upside optionality

Excellent discovery potential with less than 20% of the 40 kilometres of Mertondale Shear Zone adequately explored.

#### Influential stake

DGO has 12.1% interest in NTM and a board position.

Shares: 64.4m

Options: 60m @ 5c (exercise date: 31/03/2020)

60m @ 10c (exercise date: 31/03/2022)

Share Price 5.3c

Shares 530.7m

Market Cap \$31.3m

EV/Resource oz \$58

#### **Recent outstanding exploration success**

**Hub**: 10m @ 23.3 g/t gold from 53m<sup>3</sup>

10m @ 9.0 g/t gold from 65m<sup>3</sup>

7m @ 9.2 g/t gold from 49m<sup>4</sup>

7m @ 7.8 g/t gold from 55m<sup>5</sup>

6m @ 12.9 g/t gold from 63m<sup>6</sup>

## **NTM Gold**

### Strategically Located

4 operating gold processing plants are located within 75km's; Thunderbox (Saracen), Gwalia (St Barbara), Darlot (Red 5), Jupiter (Dacian)

NTM current focus on Hub.

Resources of 0.5Moz at June 2018

Independent JORC exploration target of:

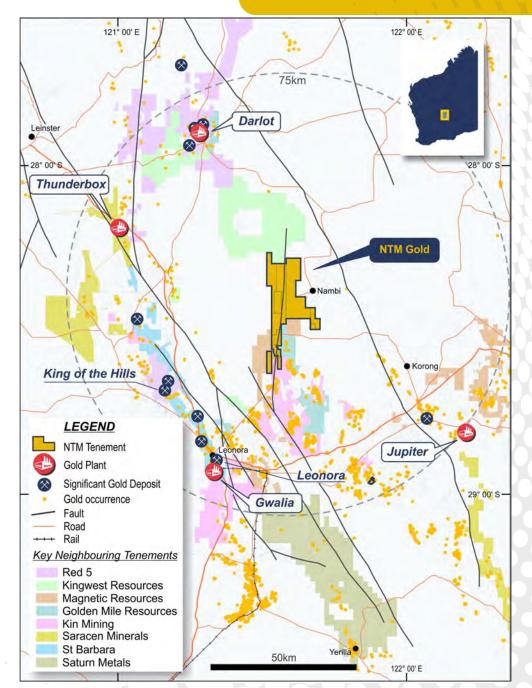
14.38Mt to 21.55Mt @ 1.8g/t to 2.5g/t for 0.84 Moz to 1.70 Moz<sup>1</sup>

M&A activity to consolidate is anticipated

Exploration target cautionary statement: The potential quality and grade of the Exploration Target is conceptual in nature. There has been insufficient exploration to determine a mineral resource and there is no certainty that further exploration work will result in the determination of a mineral resource.

<sup>1</sup>ASX: NTM Announcement 4th June 2019





## NTM Gold

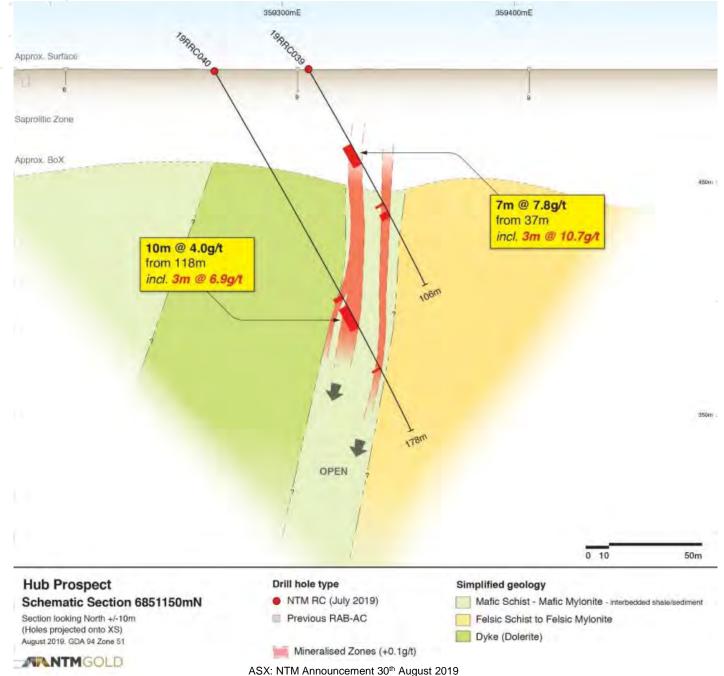
### **Hub Prospect**

Significant new high grade discovery in October 2018

Exploration success under cover

Drilled over a strike length of 1.1km and to approximately 200m depth.

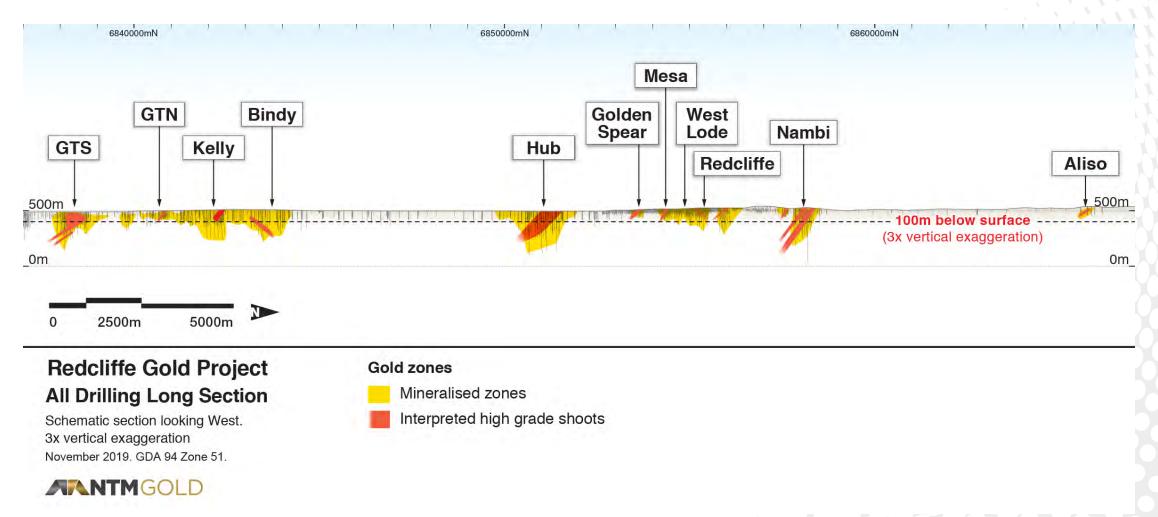
Mineralisation is open at depth and along strike





## 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 seeks to build 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



Substantial coherent land holding in close proximity to existing processing plants

#### Gold

Black Flag, Eastern Goldfields

Lake Randall, Eastern Goldfields

Mallina, Pilbara, WA

Tom Price, Pilbara, WA

Bryah, Murchison WA

## Copper/Gold

Yerrida, Murchison WA

Pernatty Lagoon, SA

# DGO's Greenfield Strategy

Gold	Status	Upside	DGO Plan
Black Flag, Eastern Goldfields	Currently drilling	Potential small – medium gold resource	Delineate scale of resource
Lake Randall, Eastern Goldfields	Target enhancement	Under cover on known gold trend	
<b>Mallina,</b> Pilbara, WA	Drill ready	Adjacent to De Grey with similar potential	Drill in early 2020
<b>Tom Price,</b> Pilbara, WA	Target enhancement		Geophysical & geochemical surveys
Bryah, Murchison WA	Drill ready		Drill in early 2020

### Copper/Gold

<b>Yerrida,</b> Murchison WA	Drill ready	De Grussa & Zambian style potential	Drill in early 2020
Pernatty Lagoon, SA	Drill ready	Untested Zambian style potential & IOCG targets	Drill in mid 2020

# Black Flag (Gold, 100%) 20km north of Kalgoorlie

Shear hosted gold in Black Flag sedimentary rocks – 8km structural target

**First Au Ltd** intersections on structures trending into **DGO** ground:

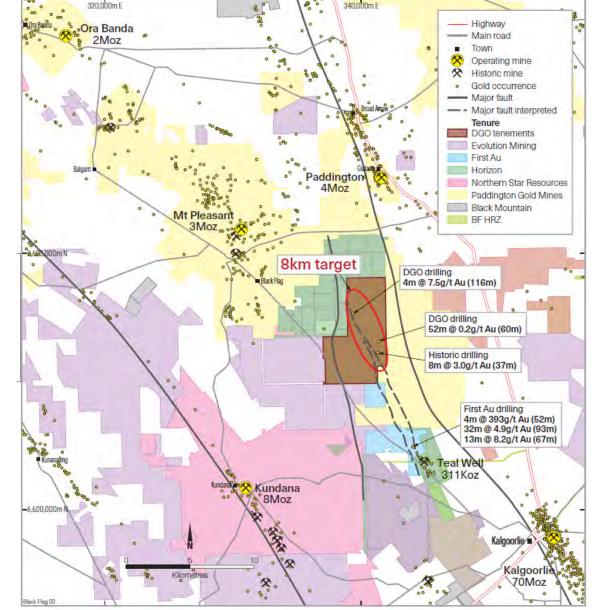
4m @ 393g/t Au (52m)1

32m @ 4.9g/t Au (93m)<sup>2</sup>

**DGO** intersections along strike from First Au:

4m @ 7.5g/t Au (116m)<sup>3</sup>
Hole finished in mineralisation

8m @ 2.2g/t Au (60m)<sup>4</sup> Including 1m @ 16.3g/t (60m)

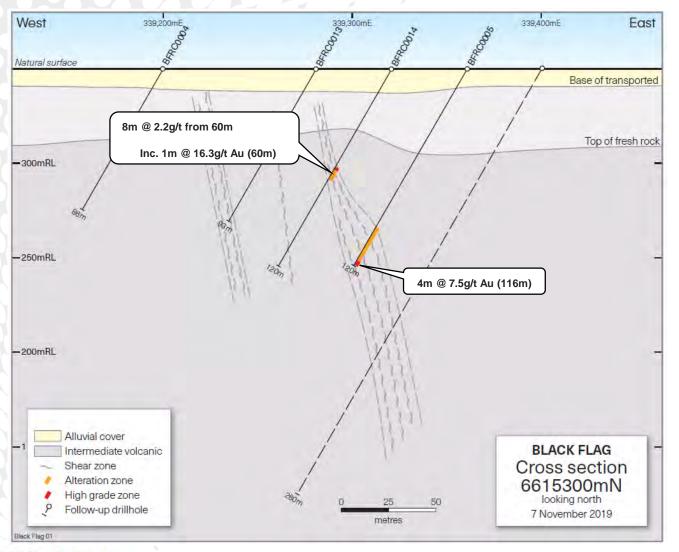


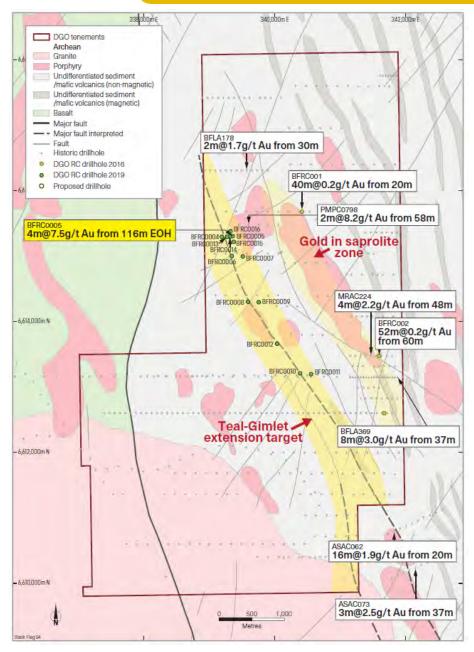
Resource endowment from Phillips, G.N. (ed), 2017, Gold in Australia, Monograph 32: Australian Ore Deposits, The Australian Institute of Mining and Metallurgy

<sup>1</sup>ASX: FAU Announcement 9<sup>th</sup> October 2018 <sup>2</sup>ASX: FAU Announcement 28<sup>th</sup> May 2019 <sup>3</sup>ASX: DGO Announcement 22<sup>nd</sup> October 2019 <sup>4</sup>ASX: DEGO Announcement 8<sup>th</sup> November 2019

# Black Flag (Gold, 100%)

### Significant gold intersections in DGO drillholes







## Lake Randall (Gold, 70-100%) **Granny Smith Potential Under Lake Cover**

230km<sup>2</sup> untested prospective terrain under lake cover

Silverlake's Mt Belches operations 4km north (57Koz pa)<sup>1</sup>

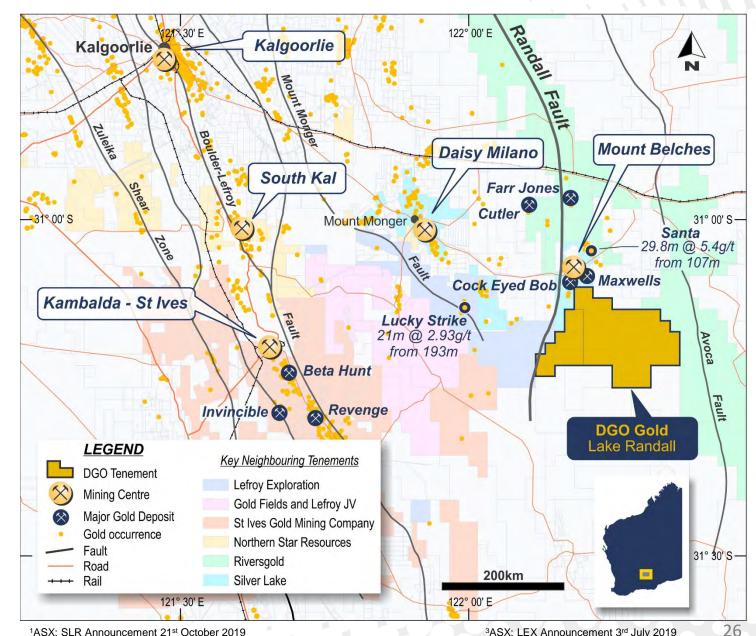
40km east of Gold Field's St Ives >15Moz endowment<sup>2</sup>

Detailed gravity survey completed to define drill targets (interpretation in progress)

Recent regional drilling results

LEX: 21m @ 2.9g/t (193m)<sup>3</sup>

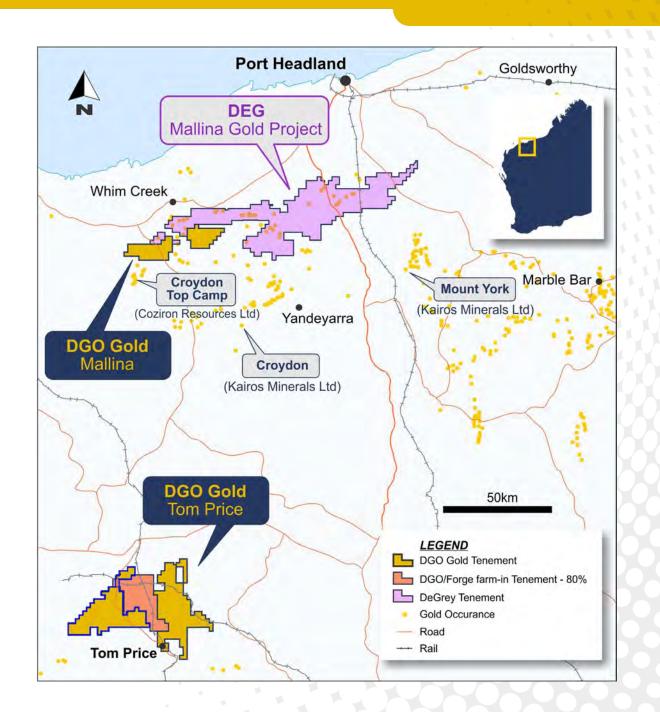
SLR: 29.8m @ 5.4g/t (107m)<sup>4</sup>





# Pilbara Western Australia

Strategic land positions at Mallina and Tom Price have potential for sediment hosted, structurally controlled gold mineralisation



## Mallina (Gold, 100%)

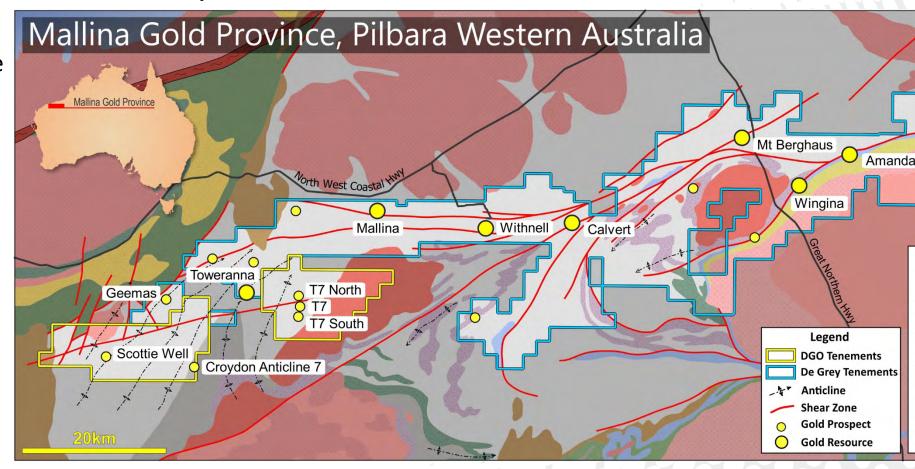
### 30km Structure Adjacent to De Grey

30km major structures parallel to Mallina Shear Zone - host to De Grey Mining mineralisation

Gold occurrences in region commonly associated with anticlinal axes. e.g. Toweranna.

DGOs targets are the intersections of major structures and anticlines.

Nugget discovery<sup>1</sup> and soil samples up to 1.2g/t Au<sup>2</sup> at Scottie Well supports target over 16km strike





## Tom Price (Gold, 80% - 100%)

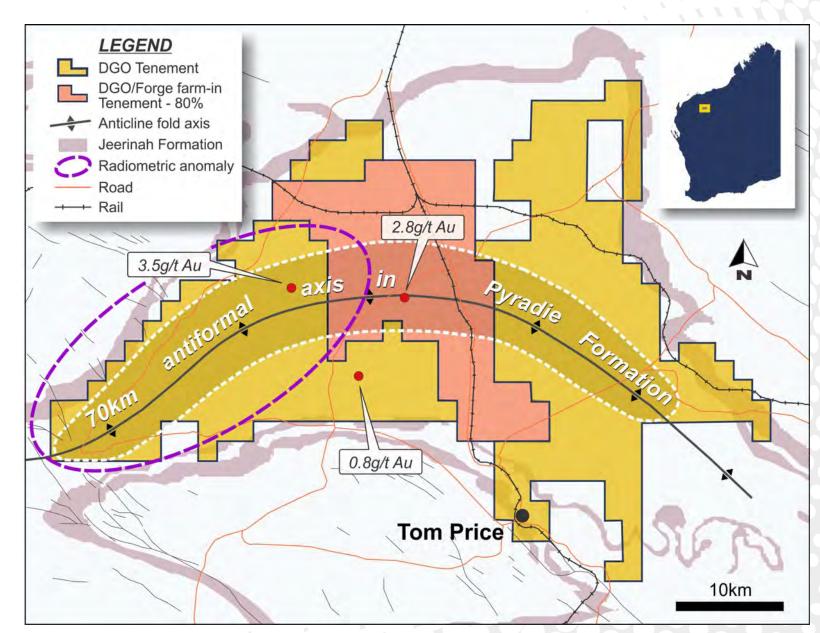
Pyradie Formation is a time equivalent of gold bearing sediments of the Archean Witwatersrand Basin

Although only limited exploration, gold over +10km has been identified associated with the Pyradie Formation.

Surface samples up to 3.5g/t1.

Pyrite nodules at base of Pyradie Fm are anomalous in gold and associated with radiometric anomaly

Potential for discovery of large gold systems under cover



## Bryah (Gold, 100%)

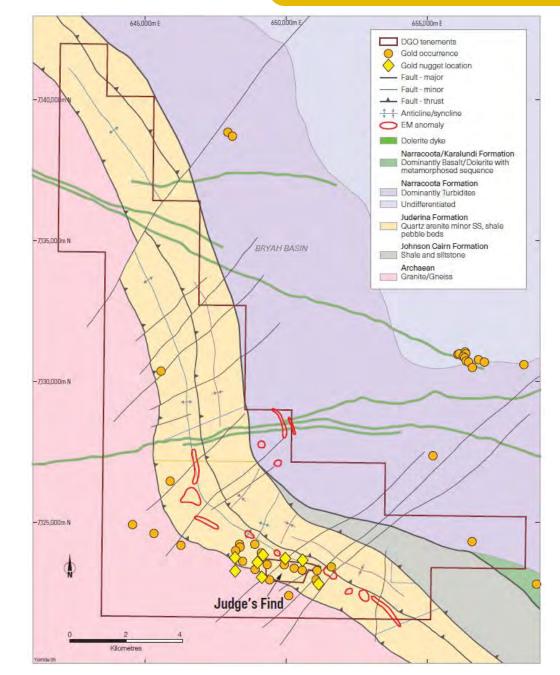
### **Sediment Hosted Gold Target**

The Johnson Cairn and Juderina Formations of the Yerrida Basin overlie Archean granite to the southwest and underlie mafic volcanics of the Narracoota Formation to the north-east

The Paleoproterozoic Johnson Cairn and Juderina Formations of the Yerida Basin are the "right" age for the occurrence of sediment hosted gold mineralization – CODES, University of Tasmania

9 EM anomalies along an anticlinal structure, adjacent to the Judge's Find gold nugget field<sup>1</sup>.

DGO will follow up with an aircore drill program in early 2020





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

The Stuart Shelf is a World Class copper province

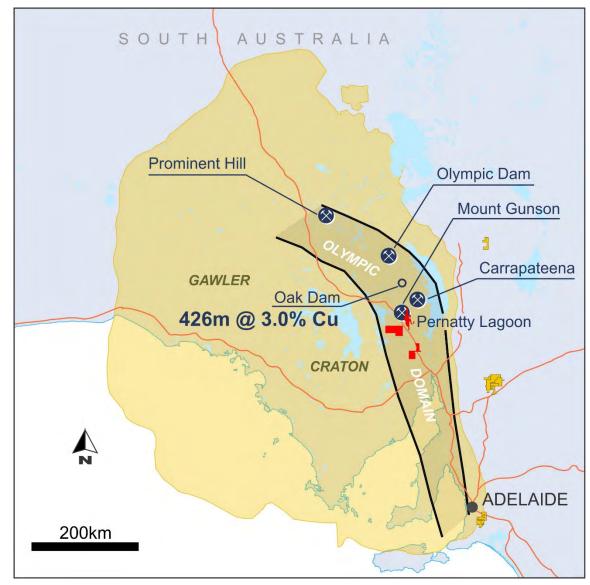
DGO's discovery strategy is focused on:

- Zambian Copper Belt (ZCB) style deposits in sedimentary rocks of the same age (Neoproterozoic)
- IOCG deposits with subtle gravity and magnetic anomalies similar to those associated with Olympic Dam and Carrapateena

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

"The best Zambian Copper Belt copper 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

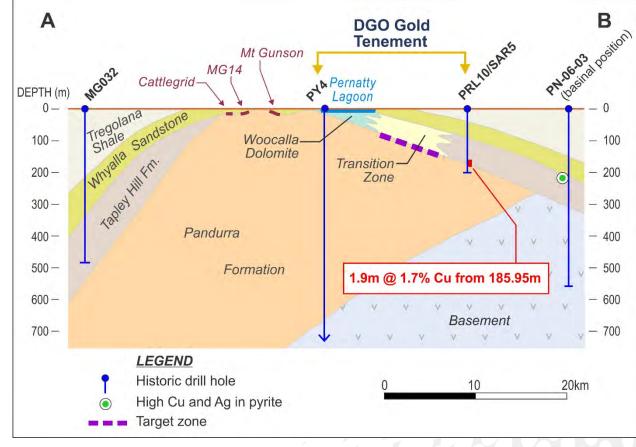
The Stuart Shelf equivalent is Tapley Hill shale overlying Pandurra sandstone

The Chambishi deposit in Zambia has total resources of

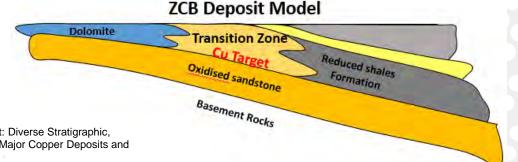
~124Mt @ 2.6% Cu (3Mt contained Cu)1

The **transition zone** between shallow water **carbonates** on the basement high adjacent to **basin shales** hosts the highest grade copper

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



NW-SE oriented stylized section based on research conducted by CODES & Dr S.Bull on behalf of DGO Gold





## Pernatty Lagoon

PRL10/SAR5 intersected 1.9m of bornitechalcocite grading 1.7% Cu & 138g/t Ag at 185m<sup>1</sup> depth on Pandurra Fm-Tapley Hill Fm contact

Chalcocite (Cu) intersected in PY4 at Woocalla Dolomite-Pandurra Fm contact<sup>2</sup>.

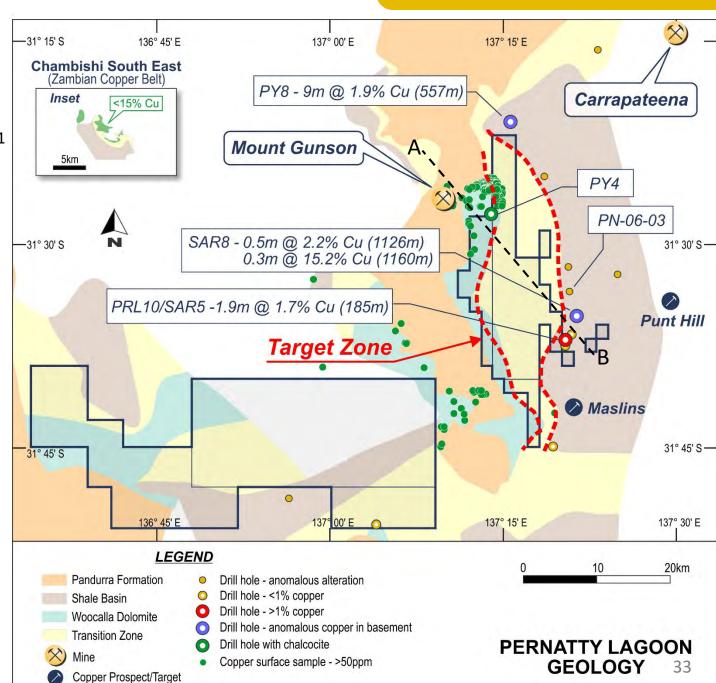
Pyrite geochemistry in drill hole PN-06-03<sup>3</sup> by CODES indicates proximity to a Cu-Co orebody<sup>4</sup>

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

Potential exists 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

<sup>4</sup>CODES Report for DGO Gold: Application of a Technology Driven <sup>1</sup>Open File Report: ENV02703 Approach to Defining Targets for Cu Co Deposits Associated <sup>2</sup>Open File Report: ENV06962 within the Neoproterozoic Tapley Hill Formation, South Australia <sup>3</sup>Open File Report: ENV11223



Pernatty Lagoon
Olympic Dam Style IOCG Target

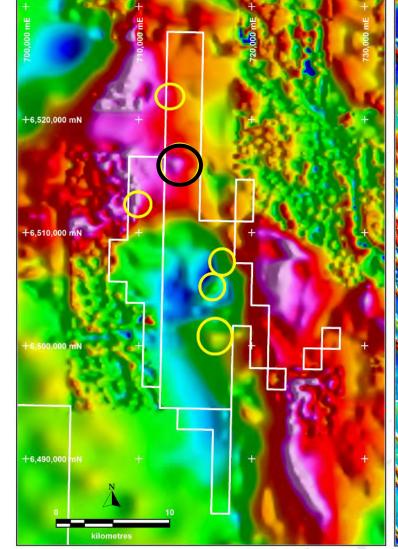
Olympic Dam, Carrapateena, Oak Dam and Prominent Hill IOCG deposits have discrete gravity and magnetic signatures

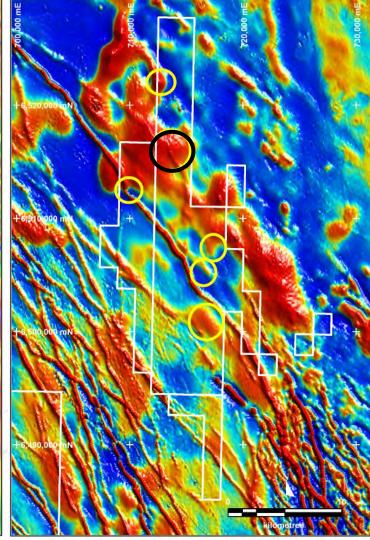
Discrete gravity and magnetic anomalies occur at Pernatty Lagoon

Priority target with a response typical of IOCG deposits

Second order IOCG target

A detailed gravity survey will better define DGO's IOCG target locations and depths.







Gravity data (1VD) shaded from the east with potential targets

# Yerrida (Copper/Gold, 100%)

## Zambian Copper Belt and DeGrussa Style Copper Targets

Yerrida Basin is considered to be analogous to the world class Zambian Copper Belt copper systems

The Proterozoic shales of the Johnson Cairn & Maraloou Formations which overlie the Juderina Formation sandstone on granite basement are equivalent to the Zambian Copper Belt model.

DGO has identified 11 targets prospective for ZCB deposits at the interpreted transition zone.

A recent EM survey over a 20km Au-Cu-Zn soil anomaly identified 8 high priority anomalies in lithological positions prospective for Zambian Copper Belt and DeGrussa style deposits<sup>1</sup>.

 Highway Town Fault Maraloou Formation Walganna Suite Monzogranite Narracoota Formation DGO tenements SSH copper target

Right Rocks, Right Age, Strong Evidence of Copper/Gold, Under Cover

<sup>1</sup>ASX: DGO Announcement 21st October 2019



# **Leadership Team**



Eduard Eshuys

BSC, FAUSIMM, FAICD

Executive Chairman

Ed is a geologist with five decades of exploration experience in Australia. In the late 1980s and early 1990s he led the teams that discovered Plutonic, Bronzewing and Jundee, Quarters at Mount Pleasant and Rosemont in the Duketon Belt. More recently he was the Managing Director and CEO of St Barbara Limited from July 2004





Bruce Parncutt AO

BSc, MBA

Non-Executive Director

Bruce's career commenced as a resources analyst and spans over 40 years in financial analysis, merger and acquisition transactions, capital-raisings, and investment in companies across a broad spectrum from early stage to mature public companies. This includes seven years as Chief Executive of leading listed securities firm McIntosh Securities and three years as Senior Vice President of Merrill Lynch.



Chris Wilcox

BSc, MBA, MAIG

Senior Geologist –
Business Development

Chris is a geologist whose experience over the last 15 years spans multiple commodities, jurisdictions, and government geological surveys. This includes leading a team exploring epithermal gold deposits in South Korea, managing South Australia's PACE Copper initiative, and business development for an energy company.

#### **Board Members**

Michael llett Non-Executive Director

**Ross Hutton** Non-Executive Director

#### **Specialist Consultants**

Distinguished Professor Ross Large AO Centre for Ore Study Excellence (CODES)
University of Tasmania

#### Professor Neil Phillips

Former Head of Exploration and Mining at CSIRO

Dr **Stuart Bull**Expert Sedimentologist

**Barry Bourne** 

Industry Geophysics Expert

