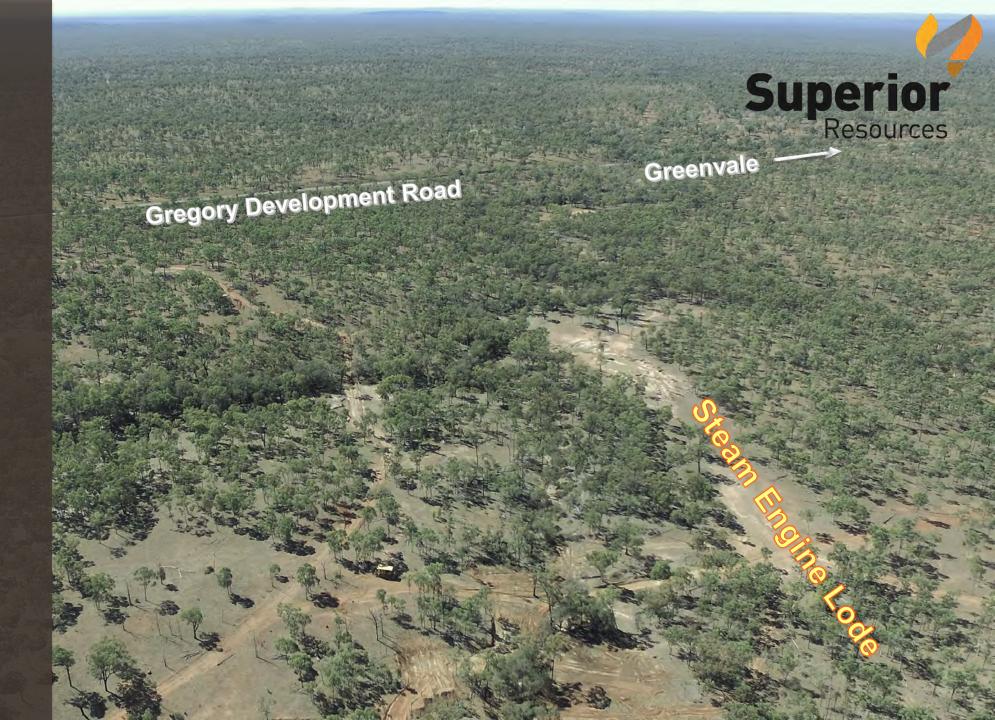
# Annual General Meeting 2020

BUOS ASX: SPQ

Peter Hwang

Managing Director



## Important information



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## **Highlights – the last 12 months**



# Steam Engine Gold Deposit Advancing rapidly towards feasibility

- ✓ Mineral Resource estimate revised and upgraded 11%
- ✓ Completed Resource drilling program upgrade JORC confidence levels
- Confirmed high-grade extensions to Steam Engine and Eastern Ridge lodes
- ✓ Identified new extensive 4<sup>th</sup> mineralised zone Dinner Creek Lode
- ✓ Commenced Stage 2 drilling program
- ✓ Scoping Study and 2<sup>nd</sup> Mineral Resource revision nearing completion

#### Sulphide Ni-Cu - PGE

Big Mag, Halls Reward Nickel, new Dido EPM application

- ✓ Identified new Halls Reward sulphide nickel prospect
- New 600km<sup>2</sup> "Dido" and "Arthur Range" EPM applications for Voisey's Bay style magmatic nickel-copper-cobalt-PGE deposits
- Big Mag ready for initial exploration program including drilling

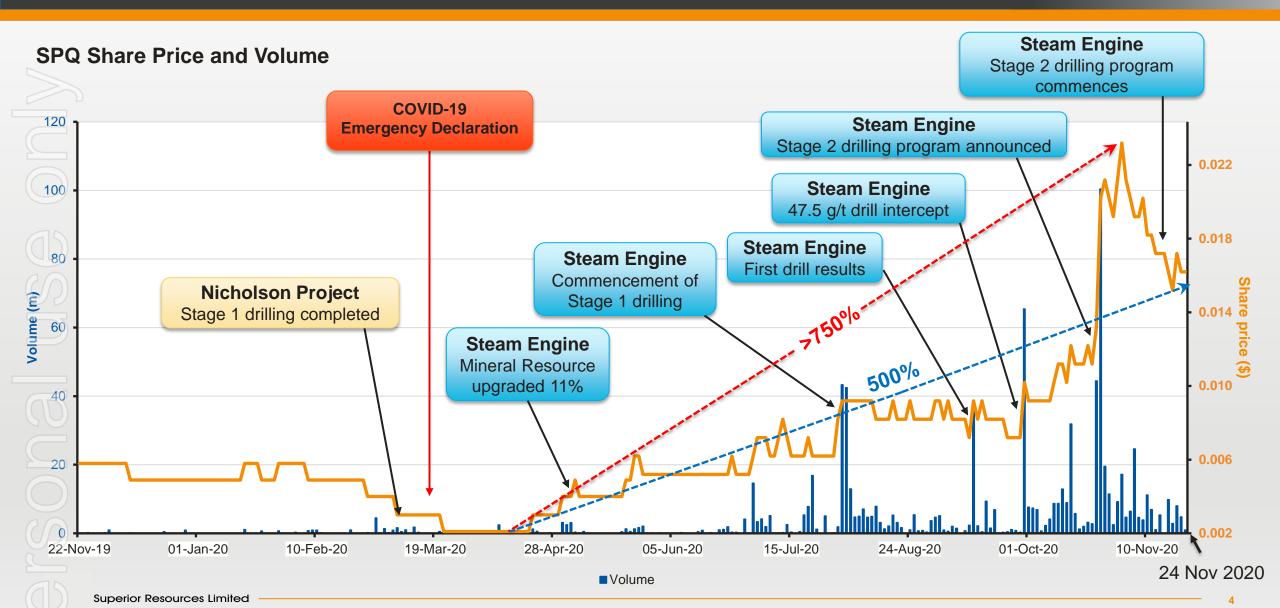
Tier-1 Copper
Advanced Bottletree drilling
preparations

Proposed drilling program expected to intersect the core of high grade copper mineralisation

Last holes returned 292m @ 0.22% Cu, incl. 18.7m @ 1.12 % Cu<sup>1</sup>

## Our value growth reached 767%





## .... the story continues in 2021





STEAM ENGINE GOLD: Jan '21 pre-feasibility study for toll-treatment operation on the back of Dec 2020 Revised Mineral Resource Estimate and Scoping Study



STEAM ENGINE GOLD: New high-grade lode opportunity at >2km Dinner Creek Zone - drilling program. Continue extending Mineral Resource at Steam Engine and Eastern Ridge



STEAM ENGINE GOLD: Toll-treatment party identification and negotiations, Feasibility Study, Regulatory approvals



Ni-Cu-Co-PGE: Initial nickel-copper-cobalt-(PGE) magmatic sulphide exploration programs at new Halls Reward Nickel, Big Mag and new Dido and Arthur Range targets



TIER-1 COPPER: (expecting 2021 copper bull market) Potential "discovery hole" drilling program at Tier-1 Bottletree



OPPORTUNITY PIPELINE: Build for the future – add quality projects to our portfolio of near-term development and Tier-1 assets

## **Corporate snapshot**

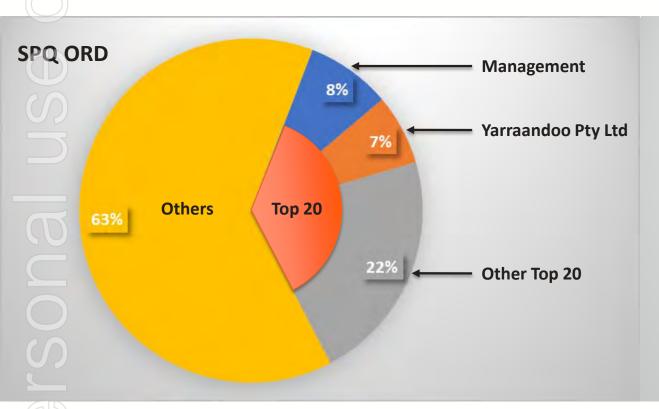


Share Price<sup>1</sup> \$0.015 Shares on Issue<sup>1,2</sup> 1,190m Market Cap<sup>1</sup> \$17.85m **Cash**<sup>1,3</sup> \$0.63m

1: As at 26 November 2020

2: SPQ has on issue 99,011,392 unlisted Options expiring 31/12/2021 @ \$0.006

3: nil debt



#### **Board**

Peter Hwang (Managing Director)

Carlos Fernicola (Chairman)

Simon Pooley (Non-Exec Director)

#### Other management

Carlos Fernicola (Company Secretary)

Superior Resources Limited

### Project portfolio – near-term production and Tier-1





**Greenvale Project (SPQ 100%)** 

849 km<sup>2</sup> (1,449 km<sup>2</sup>)

#### Gold, Copper-Gold, Ni-Cu-Co-PGE, Zinc

Steam Engine Scoping Study underway investigating near-term production potential

Wyandotte near-term Copper Mineral Resource estimate

Bottletree potentially a Tier 1-sized copper deposit

Big Mag ~80km² mag anomaly prospective for Ni-Cu-Co-PGE

Dido (applic) targeting Voisey's Bay style magmatic nickel-copper-cobalt-PGE deposits

Cockie Creek, Galah Dam, One Mile, Halls Reward

#### **Nicholson Project (SPQ 100%)**

300 km<sup>2</sup>

#### Lead-Zinc-Silver (Copper, Cobalt)

- Several drill-ready Tier 1-equivalent Mt Isa / McArthur River style targets
- 3,176m drilled in 2019 under JV with South32
- 1 Battery Metals project + 1 Uranium project

#### **Victor Project (SPQ 100%)**

438 km<sup>2</sup>

#### **Lead- Zinc- Silver (Copper)**

- Potential regional-scale graben structure
- Several Tier 1-equivalent targets

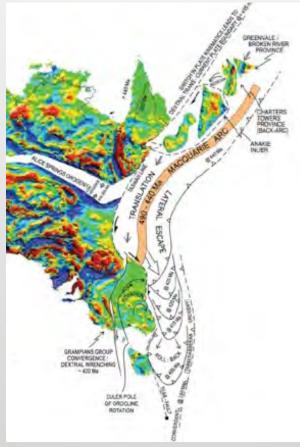
#### Greenvale

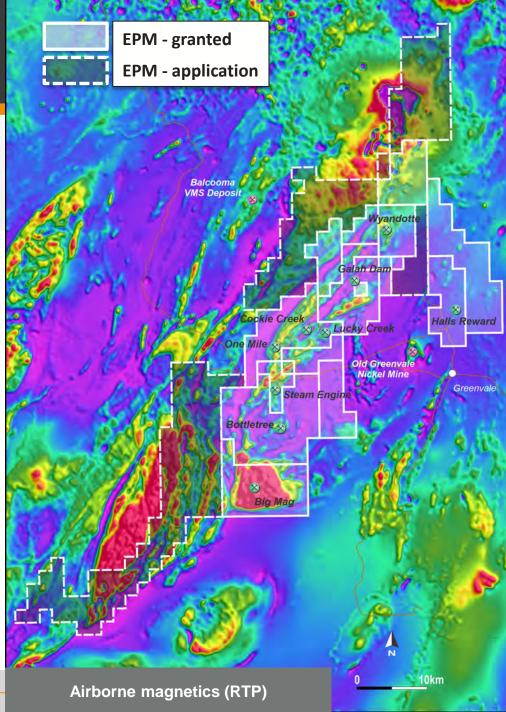
#### A unique world-class Macquarie Arc opportunity

- Ordovician Macquarie Arc: hosts the giant Cadia and North Parkes porphyry Cu-Aumines in NSW
- The unique opportunity: Greenvale
  Ordovcian rocks are considered the
  northern remnant of the Macquarie Arc –
  but are Underexplored
- SPQ holds most of the Greenvale Ordovician rock sequences
- Greenvale tenements contain significant concentration of copper deposits and targets
- Ni-Cu-Co-PGE: Initial nickel-coppercobalt-(PGE) magmatic sulphide exploration programs at new Halls Reward Nickel, Big Mag and new Dido and Arthur Range targets

## Reconstruction of the Macquarie Arc across eastern Australia

Adapted from Cayley & Musgrave, in review.





## **Greenvale**Steam Engine Gold Deposit

#### An extensive gold lode system

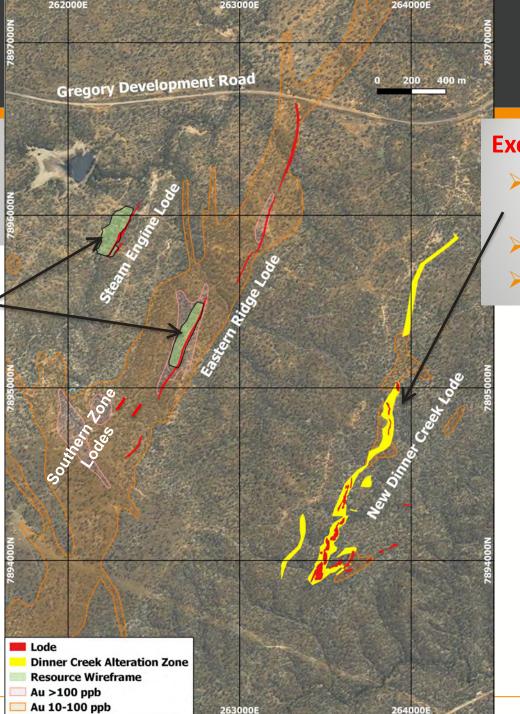
Potential near-term cash flow

**Accelerated Scoping Study** 

#### 2020 work:

- Mineral Resource Estimate (MRE) (May 2020):
- 1.27 Mt @ 2.3 g/t gold (0.5 g/t cut-off), Indicated and Inferred (JORC 2012)<sup>2</sup>
- 94,000 ounces gold
- MRE based only on:
- 30% of >2.5 kms lode strike length at surface (not including Dinner Creek Lode)
- shallow depth drilling
- Gold lodes open at depth and along strike
  - Significant potential for a large high-grade gold deposit

2: ASX announcement dated 4 May 2020





#### **Exciting new Dinner Creek Lode**

- >2 kms of potential new gold lode zone
- Rock chips up to 7.6 g/t Au³
- > Drilling in 2021

#### **Dinner Creek Lode:**

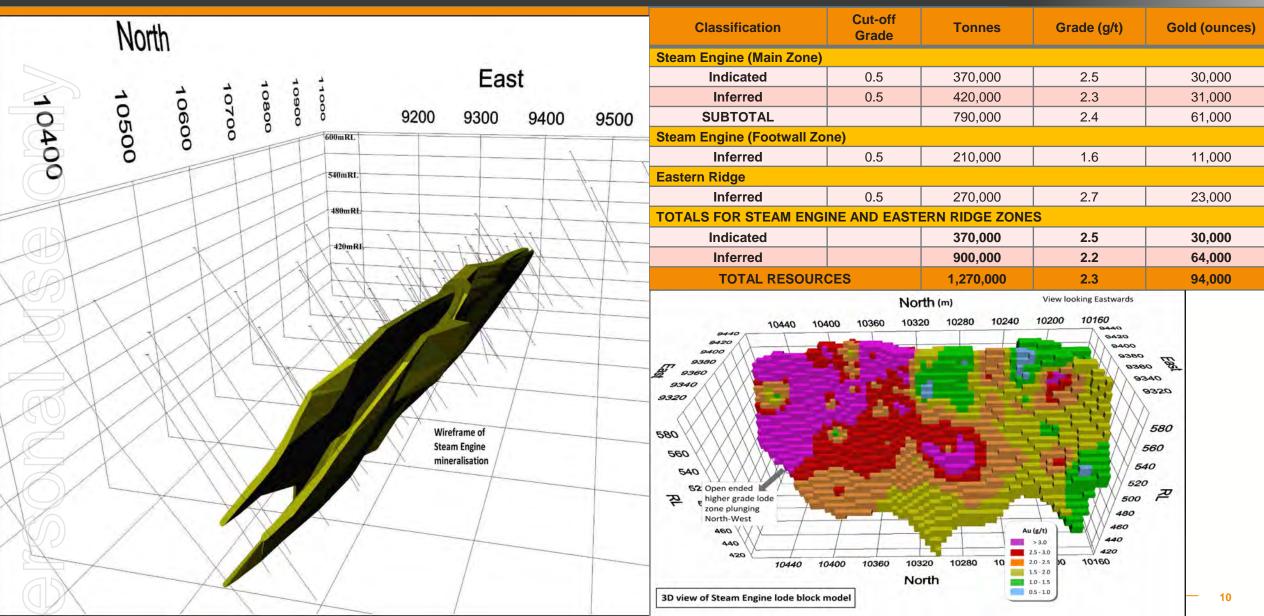
- Sericite alteration zone with sulphide mineralisation resembling Steam Engine Lode
- Substantially thicker than Steam Engine Lode
- >2 kms strike length (Steam Engine Lode 0.5 kms)
- High grade gold rock chips up to 7.6 g/t Au<sup>3</sup>

3: ASX announcement dated 2 September 2020

## Steam Engine Progressing towards pre-feasibility

(Refer ASX announcement dated 4 May 2020)





## Steam Engine Current plans for a pathway to production



	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021
Stage 2 Drilling – Extensional Steam Engine, Eastern Ridge					
Revised Mineral Resource Estimate					
Scoping Study					
Pre-feasibility Study					
Stage 1 Drilling – Maiden drilling of Dinner Creek Lode					
Stage 3 Drilling – Extensional Steam Engine, Eastern Ridge					
Revised Mineral Resource Estimate					
Toll treatment negotiations					
Mining Lease Application				To be	confirmed
Native Title and Landholder negotiations					
Environmental Approvals				To be	confirmed
Superior Resources Limited					

## Big Mag & new Dido & Arthur Creek Ni-Cu-Co-PGE

## **Big Mag**

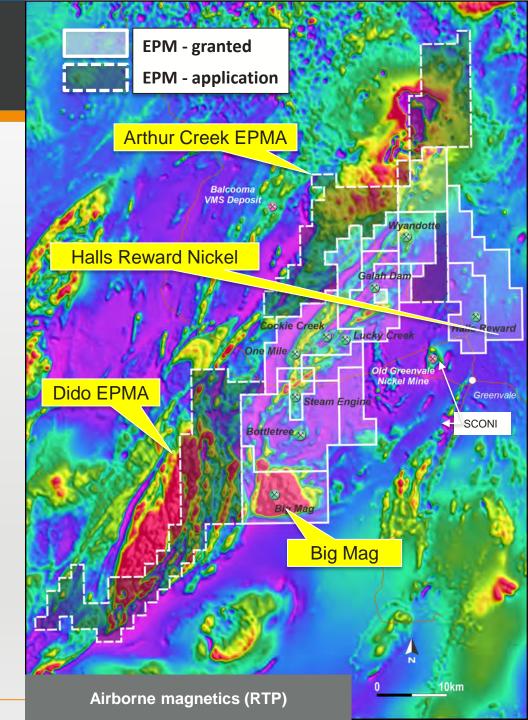
- near historic Greenvale Nickel Mine produced ~\$6b Ni + Co at today's prices
- regionally large, intense magnetic anomaly of ~80km²
- localised area of intense differentiated mafic and ultramafic intrusions with high potential for magmatic Ni-Cu-Co-PGE mineralisation
- largely unexplored

## Dido & Arthur Creek (EPM applications)

New 600km² "Dido" and "Arthur Range" EPM applications for VMS and Voisey's Bay style magmatic nickel-copper-cobalt-PGE deposits

### Halls Reward Nickel

Sulphide nickel deposit identified recently in 2021

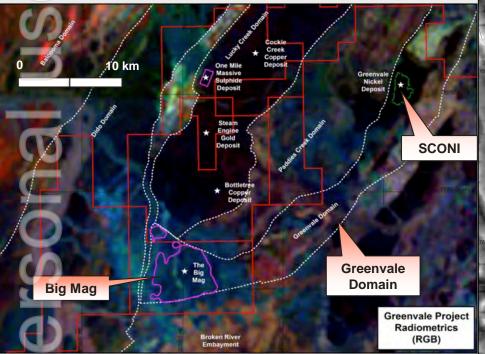


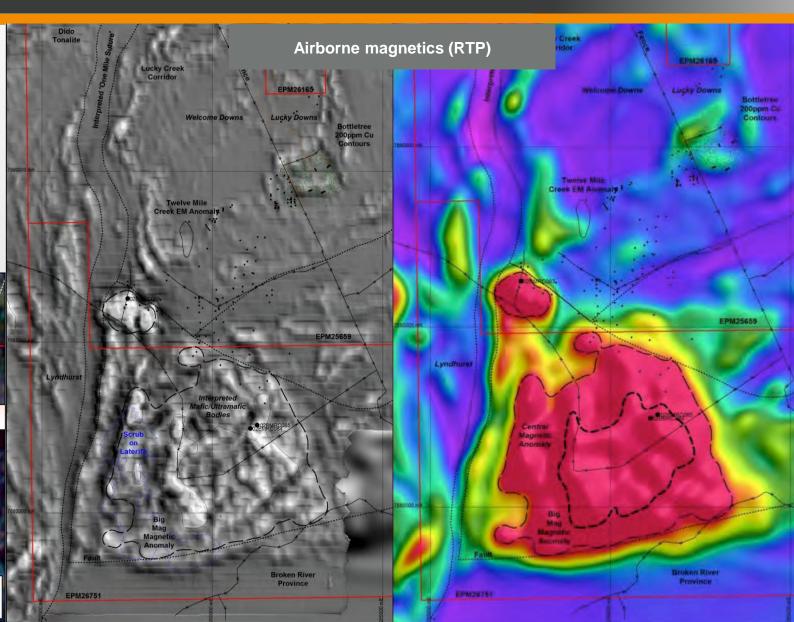
### Big Mag Ni-Cu-Co-PGE



A series of mafic and differentiated ultramafic intrusions – based on historic drilling, magnetics and petrology of drill hole samples

Considered to be related to the same series of rocks as host the historic Greenvale Nickel Mine (SCONI)

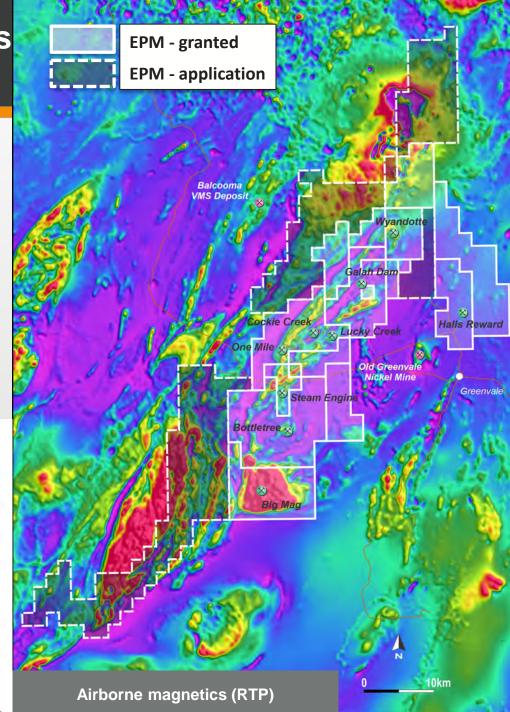




## **Copper** – 2021 Bull copper market predictions SPQ has copper well and truly covered

- SPQ holds the Ordovician Lucky Creek Corridor
  - Intense concentration of copper deposits and prospects
- Near-term production & Tier-1 prospects, for example:
  - **Bottletree**: large copper system (292m @ 0.22% **Cu** including 18.7m @ 1.12% **Cu**) (refer ASX announcement dated 30 September 2018)
  - Cockie Creek: large Cu-Au porphyry target under near-surface copper mineralisation of 13Mt @ 0.42% Cu (0.25% Cu cut-off)<sup>4</sup>
  - **Wyandotte**: high grade copper, assessing potential for toll treatment





### **Bottletree**

#### Next program targeting high grade core





#### Tier 1 scale copper deposit identified

- High grade copper (18.7m @ 1.12% Cu)
- Broad Cu mineralisation (292m @ 0.22% Cu)

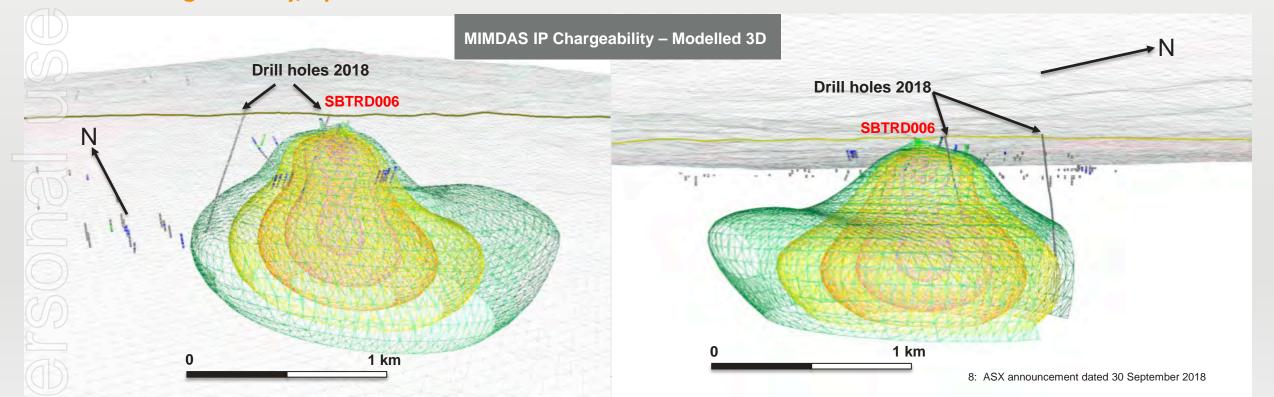


1.4 km long anomaly, open to the north and south



Large chargeability target lies at 400m

Next program is potential "discovery hole" drilling program



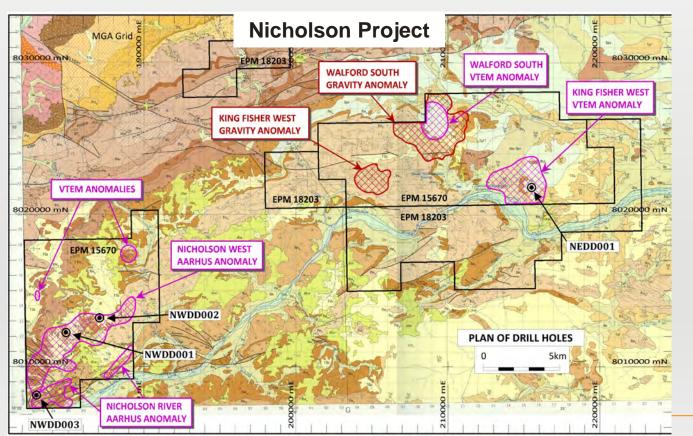
### **Nicholson and Victor**

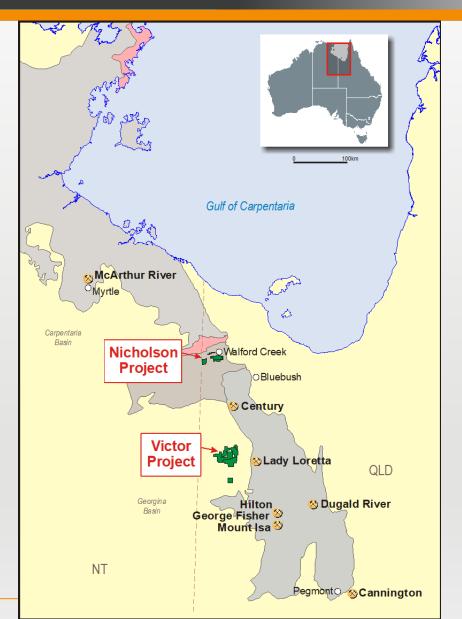
Tier 1 Mount Isa-style zinc-lead-silver-copper targets



Located within Carpentaria Zinc Province, which contains 20% of the world's zinc inventory

Underexplored – the most likely area to make the next Mount Isa discovery





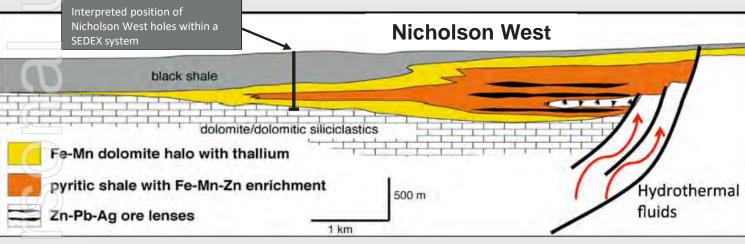
## Nicholson West and Walford South targets

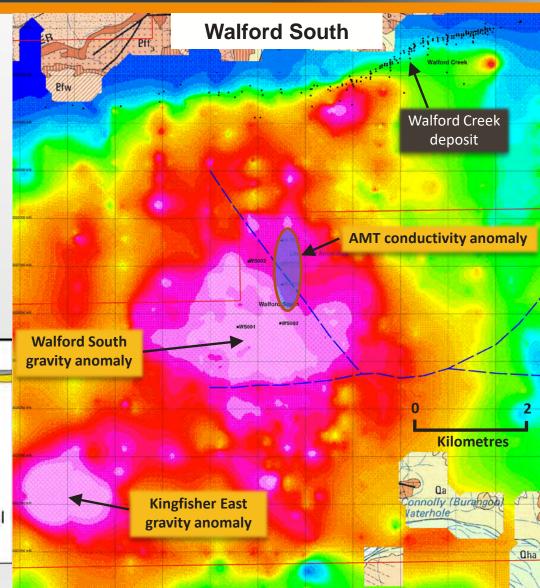
(ASX announcement dated 6 March 2020)



#### Walford South: Giant Tier 1 VTEM, gravity and AMT target

- Coincident VTEM, gravity and associated AMT anomalies
- Anomalies adjacent to at least two major fault structures
- Previous SPQ drilling (3 holes) intersected "classic" well-developed stratiform pyritic shale, typical of McArthur River style mineralisation
- Nicholson West: 2019 drilling confirmed presence of SEDEX mineralisation systems (McArthur River and Mt Isa) developed within thick (up to 340m) Mount Les Siltstone





### **Board**



## Board and senior management team have deep exploration and technical expertise coupled with extensive corporate experience



**Carlos Alberto Fernicola** 

Non-Executive Chairman

B.Com, FCA, F Fin, FCIS, FCSA, GradDipAdvAcctg,

GDipAppFinInv, GDipAppCorpFin

- 30+ years of experience in accounting, taxation, audit and the financial services industry
- Appointed Non-Executive Director in 2014
- Fellow of Institute of Chartered Accountants
   Australia and New Zealand, Fellow of the
   Governance Institute of Australia and Fellow of
   the Financial Services Institute of Australia



**Peter Henry Hwang** 

Managing Director

B.Sc. (Hons), LLB,

MAIG, MGSA, MQLS

- 12 years of experience in mineral exploration,
   18 years in mining and resources law
- Geologist Gold, base metals and diamonds
- Lawyer specialising in mining, commercial, M&A, mining infrastructure regulatory and native title law, previously with Freehills, Ashurst and Minter Ellison
- Former director of junior resources companies; a founding director of ActivEx Limited (ASX:AIV)



**Simon James Pooley** 

Non-Executive Director

MAusIMM, GAICD

- 30+ years of experience in base and precious metals exploration, project evaluation, mine development and operation.
- Formerly Chief Operating Officer for Novo Resources Corp., General Manager Operations for Millennium Minerals Limited and General Manager Exploration and Business Development for CopperCo Limited.

## **Investment highlights**





#### Potential near-term cash flow

#### **Tier 1 Potential Exploration Targets in World-Class Mining Districts**

- Undervalued @ \$0.015: Lowest entry cost exposure to near-term production gold and copper Resources & multiple Tier 1-potential base metals targets
- Accelerated studies for near-term cash flow at Steam Engine Gold Deposit and Wyandotte Copper Deposit
- Substantial Ni-Cu-Co-PGE targets: Initial nickel-copper-cobalt-(PGE) magmatic sulphide exploration programs at new Halls Reward Nickel, Big Mag and new Dido and Arthur Range targets
  - TIER-1 Copper: Potential "discovery hole" drilling program at Tier-1 Bottletree planned for 2021 (subject to copper market)