

# Mithril Resources (ASX: MTH)



## Share Purchase Plan Investor Update Presentation

David Hutton | Managing Director | 7 September 2015

# Company Snapshot



**Active explorers**

**Stark copper-nickel-PGE discovery**

**Spargos Reward high-grade gold**

**Building a project pipeline**

**Priority drill targets**

**SPP closing 21<sup>st</sup> Sept 2015<sup>1</sup>**

**Drilling Dec 15 Qtr.<sup>2</sup>**



<sup>1</sup>subject to Director's discretion to vary - <sup>2</sup>subject to successful capital raising

# Share Purchase Plan



- ✓ Eligible shareholders can purchase up to \$15,000 of new shares at 0.45 cents per share
- ✓ Use of Funds
  - Advance drill targets at Stark
  - Support ongoing target generation activities
  - Working capital purposes
- ✓ Directors intend to take up their maximum entitlement
- ✓ Key Dates
  - 17 August 2015 - **Record** date for eligibility to participate in the SPP
  - 26 August 2015 - **Offer opening and document dispatch** date
  - 21 September 2015 - **Offer closing** date (subject to Directors' discretion to vary)
  - 29 September 2015 - **Allotment** date

# Reasons to invest



## ✓ Short term share price catalyst

- Drilling planned for December 2015 Qtr. (subject to successful capital raising)
  - Stark - 3 untested EM conductors adjacent high-grade massive sulphides (up to 13.7% copper, 1.62% nickel, 3.94g/t PGE's in drilling to date)
  - Target A - new EM anomaly adjacent to surface copper mineralisation
  - Target D - surface copper-gold mineralisation (up to 12.85% copper, 6.97g/t gold in rock chips)

## ✓ New gold exploration partner at Spargos Reward

- Corona Minerals funding exploration
- Initial focus on Spargos Reward Gold Deposit (~30Koz produced @ 8g/t gold) where mineralisation remains open down dip and along strike
- Mithril's 2013 drill intercepts include (downhole widths):
  - 8m @ 10.30 g/t gold from 242 metres including 3m @ 25.73 g/t gold
  - 10m @ 4.60 g/t gold from 256 metres including 3m @ 13.00 g/t gold

# Reasons to invest



## ✓ Skilled Exploration Team

- “Boots on ground”
- Strong multi-commodity exposure – copper, nickel, gold, silver, lead, zinc
- Over 100 years of in-house exploration experience
- Discovery success
- All have “skin in the game”

## ✓ Building a project pipeline

- Actively pegging new (gold and nickel) tenements within Kalgoorlie District

## ✓ Investment in Musgrave Minerals (ASX: MGV)

- Mithril is MGV’s largest shareholder with 9.28M shares (7.67% of MGV’s issued capital)
- Fraser Range and Musgrave Province (nickel)
- Southern Gawler Craton (silver, lead, zinc)

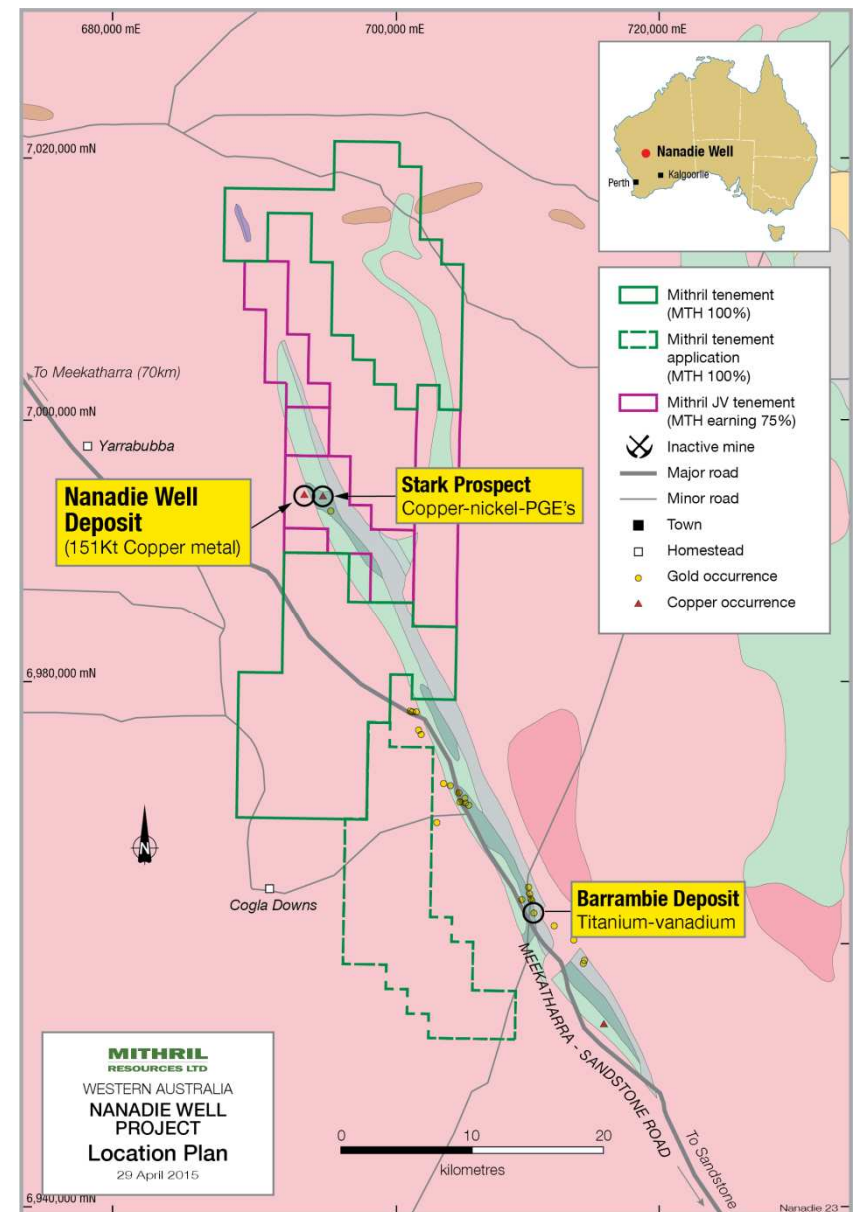




# Stark copper-nickel-PGE discovery



- ✓ 80km SE of Meekatharra
- ✓ Subject to the Nanadie Well JV with Intermin Resources (**ASX: IRC**)
  - MTH can earn 60% by spending \$2M by April 2018
  - MTH can earn an additional 15% by spending a further \$2M by April 2020
  - In total – 75% by spending \$4M over 6 years
- ✓ 100% - owned tenements increase strike exposure to prospective rock types
- ✓ Multiple targets for follow-up



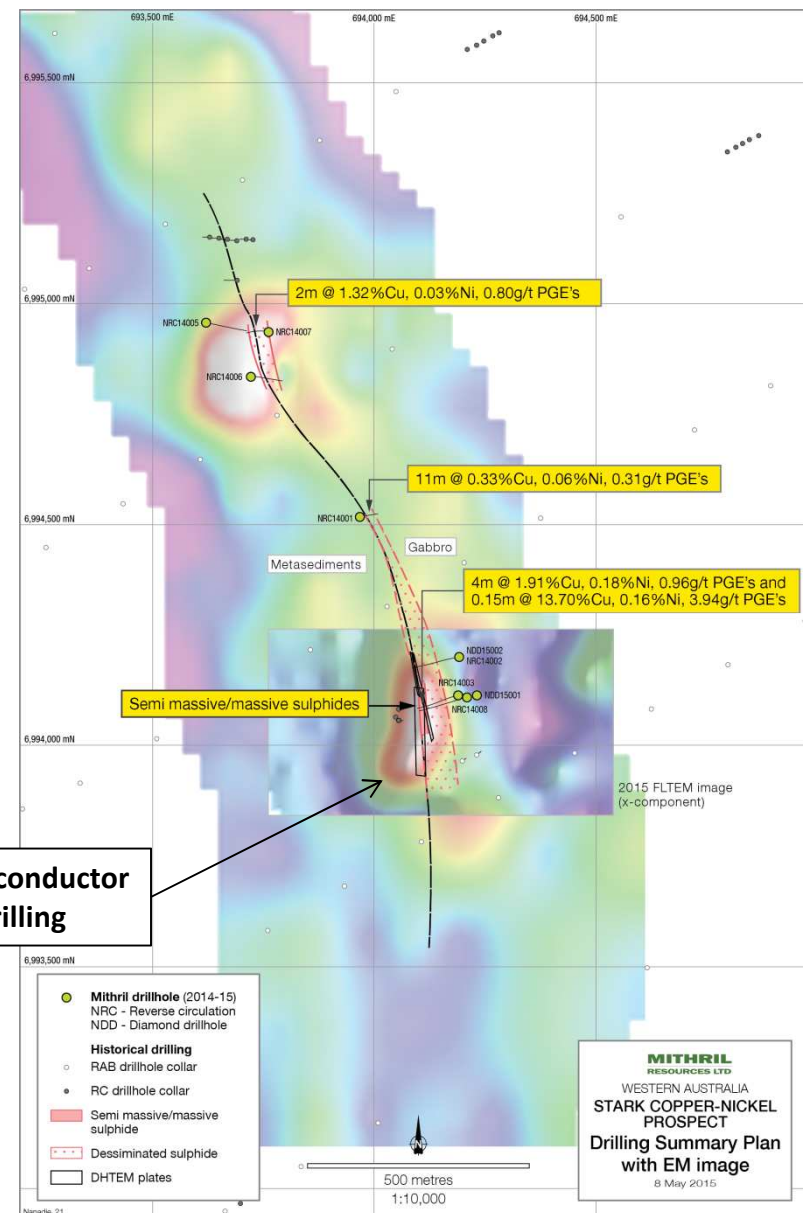
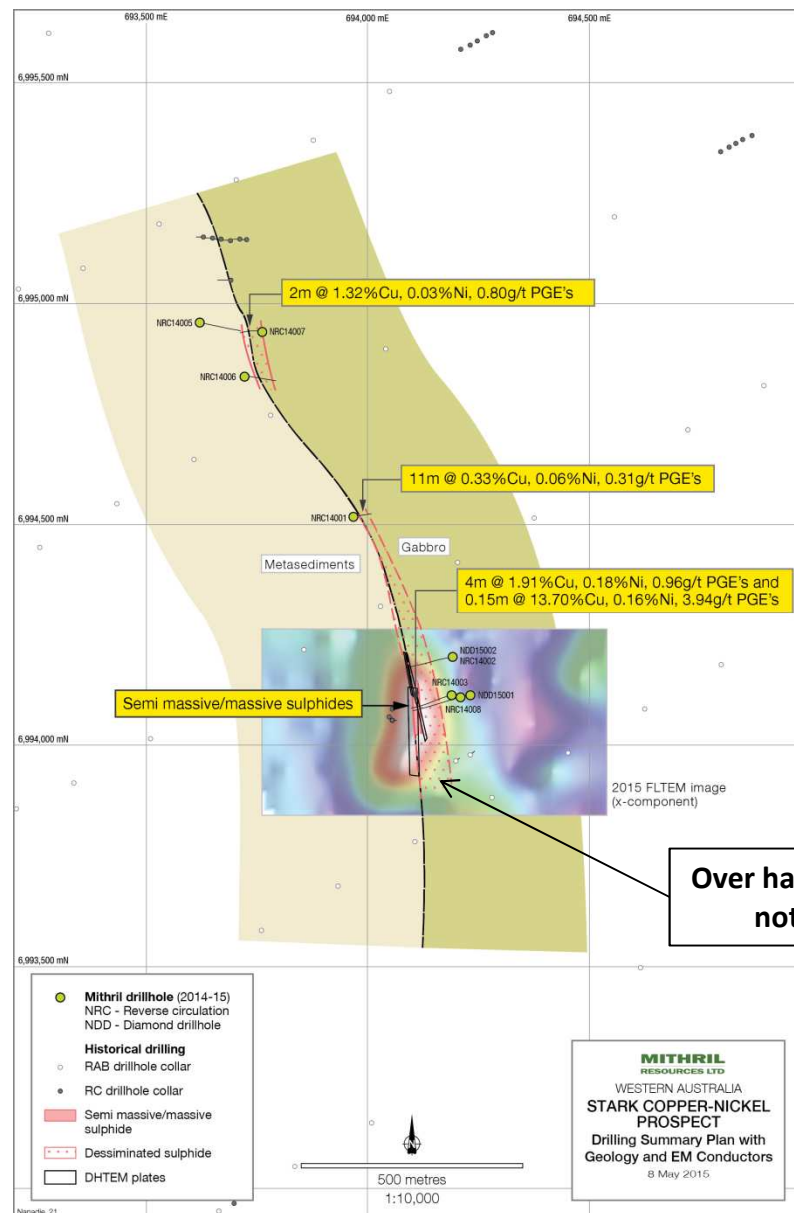
# What is Stark?



- ✓ **A new Mithril discovery**
- ✓ **Large magmatic copper-nickel-PGE mineral system**
  - 1 km strike length and remains open in all directions
  - Evidence for separate parallel lodes
  - Only 8 holes drilled to date
- ✓ **High Grade**
  - Massive and disseminated sulphides
  - Up to 13.7% copper, 1.62% nickel, 3.94g/t PGE's
- ✓ **EM geophysics “sees” the mineralisation**
- ✓ **3 new drill targets**
  - Bedrock EM conductors
  - Along strike and beneath existing mineralisation



# Stark ground EM conductors



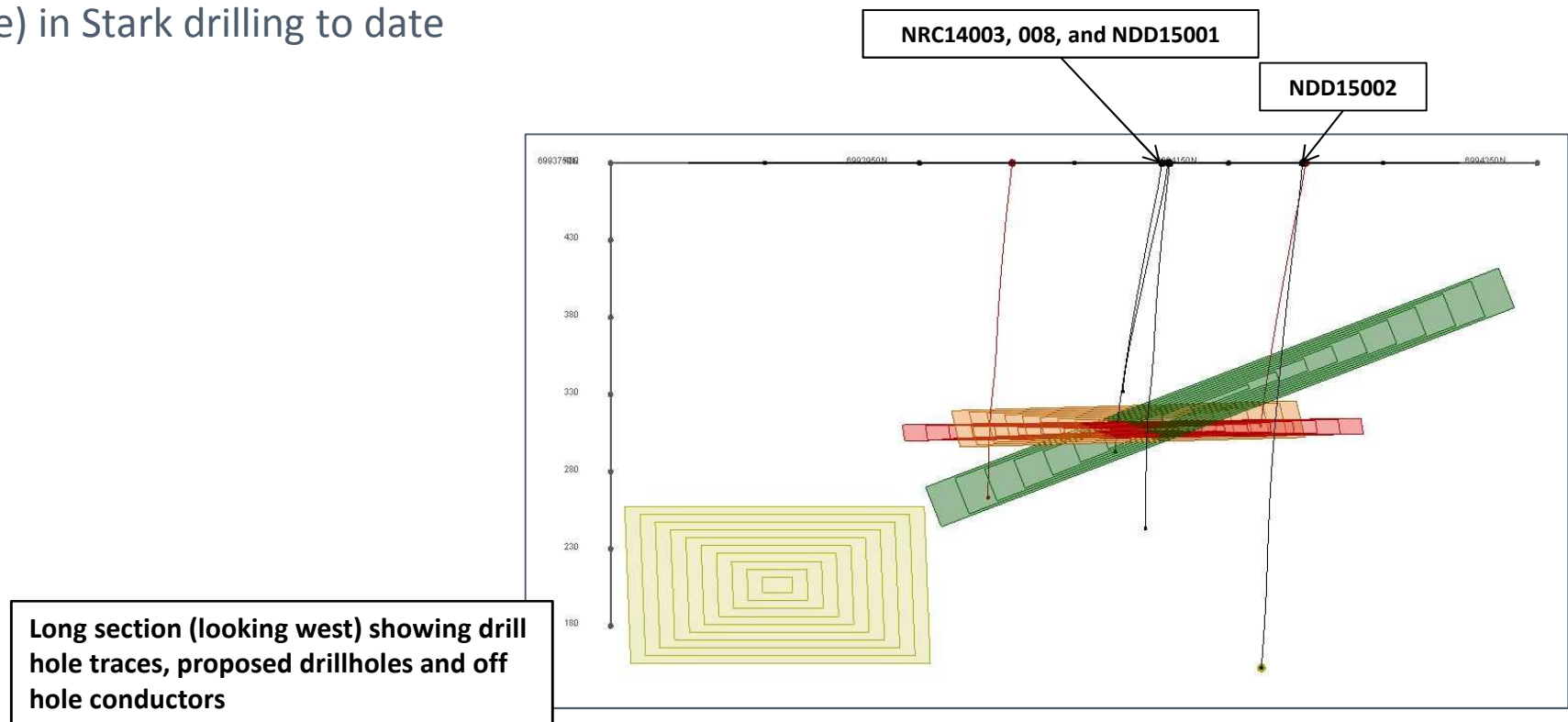
Over half of the EM conductor not tested by drilling



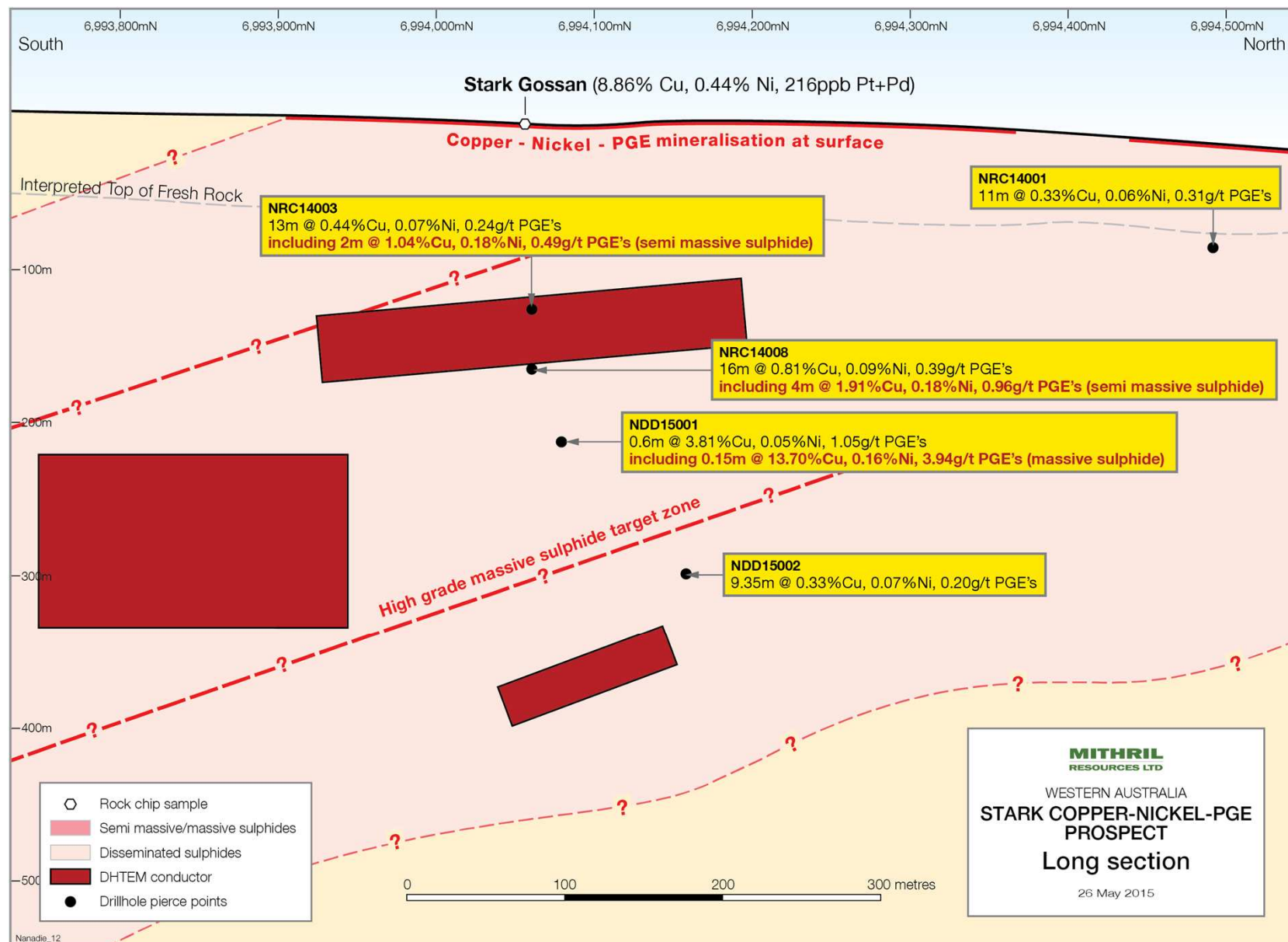
# Stark downhole EM conductors



- ✓ Support the ground EM conductors
- ✓ Geophysical signatures consistent with massive sulphides (2,000 – 3,000S)
- ✓ No “false” conductors (i.e. graphite or black shale) in Stark drilling to date



# Stark EM conductors – long section view



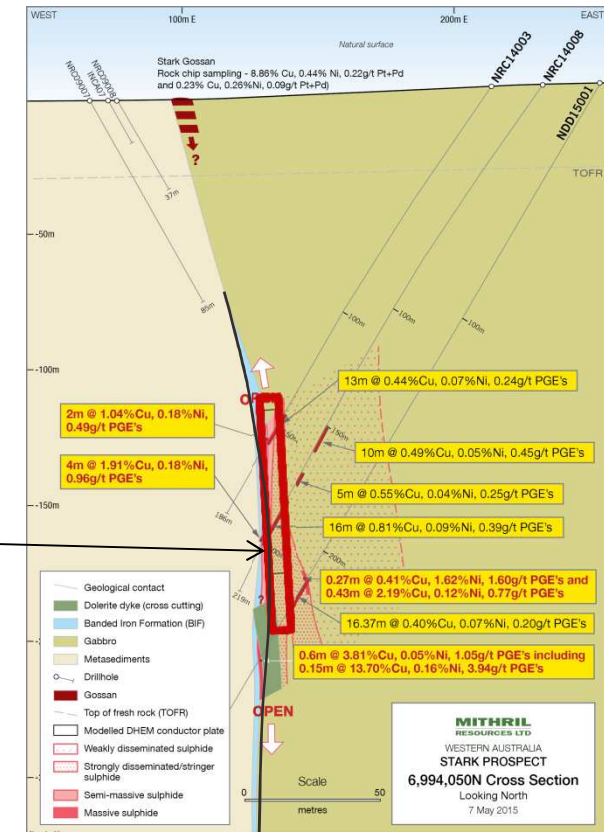
# Stark EM conductors – cross section view



- ✓ Lie on prospective “basal” contact of mafic intrusion
- ✓ Needs more drilling!

Relative position of 2,000S off hole conductor drill targets

EM conductors (red polygons) superimposed on 6,994,050N cross section (NRC14003, 008, and NDD15001)

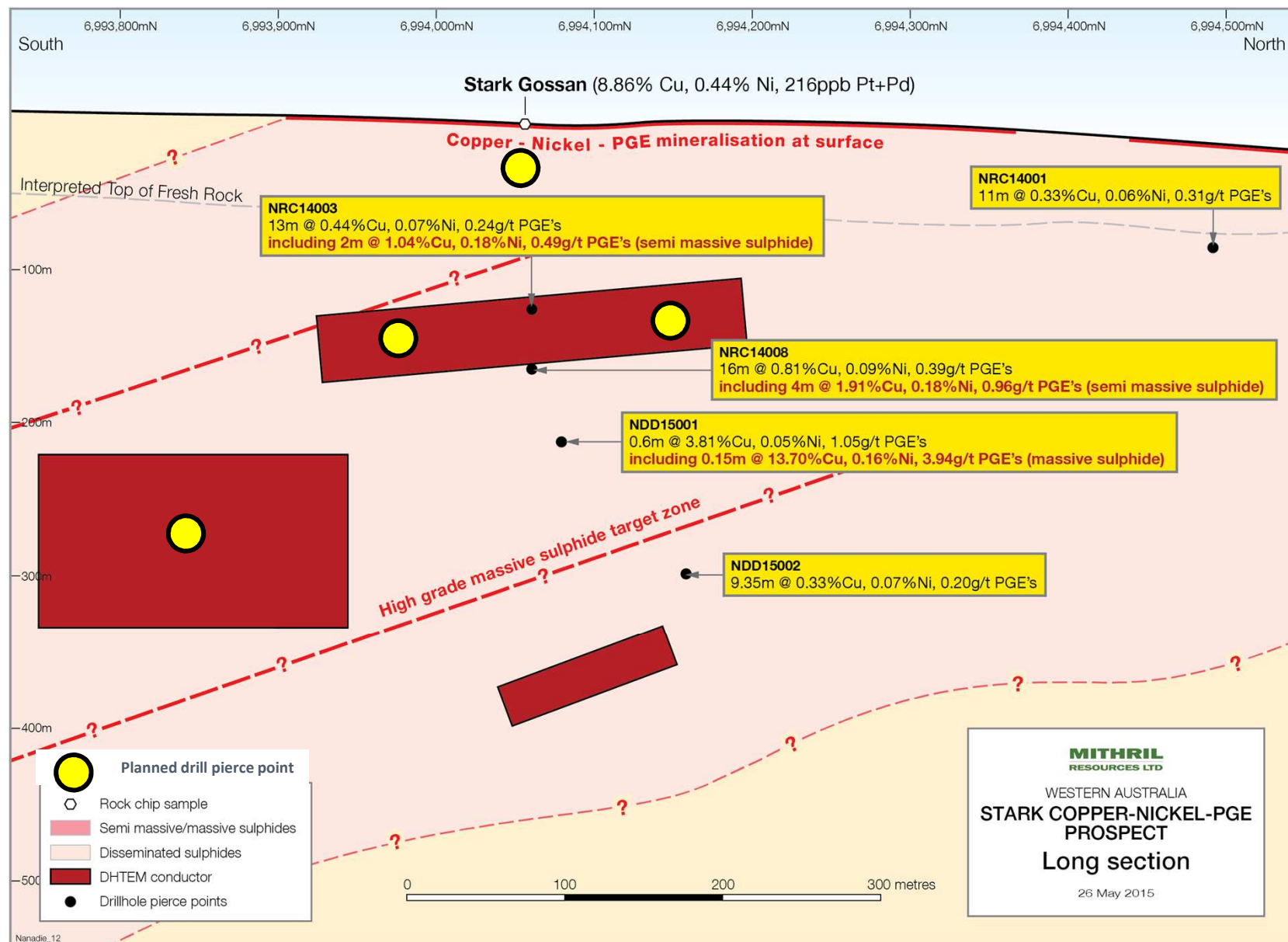


Interpreted position of basal contact

Relative position of 3,000S off hole conductor drill target (at same scale).

# Stark planned drillholes

MTH





# Stark photos

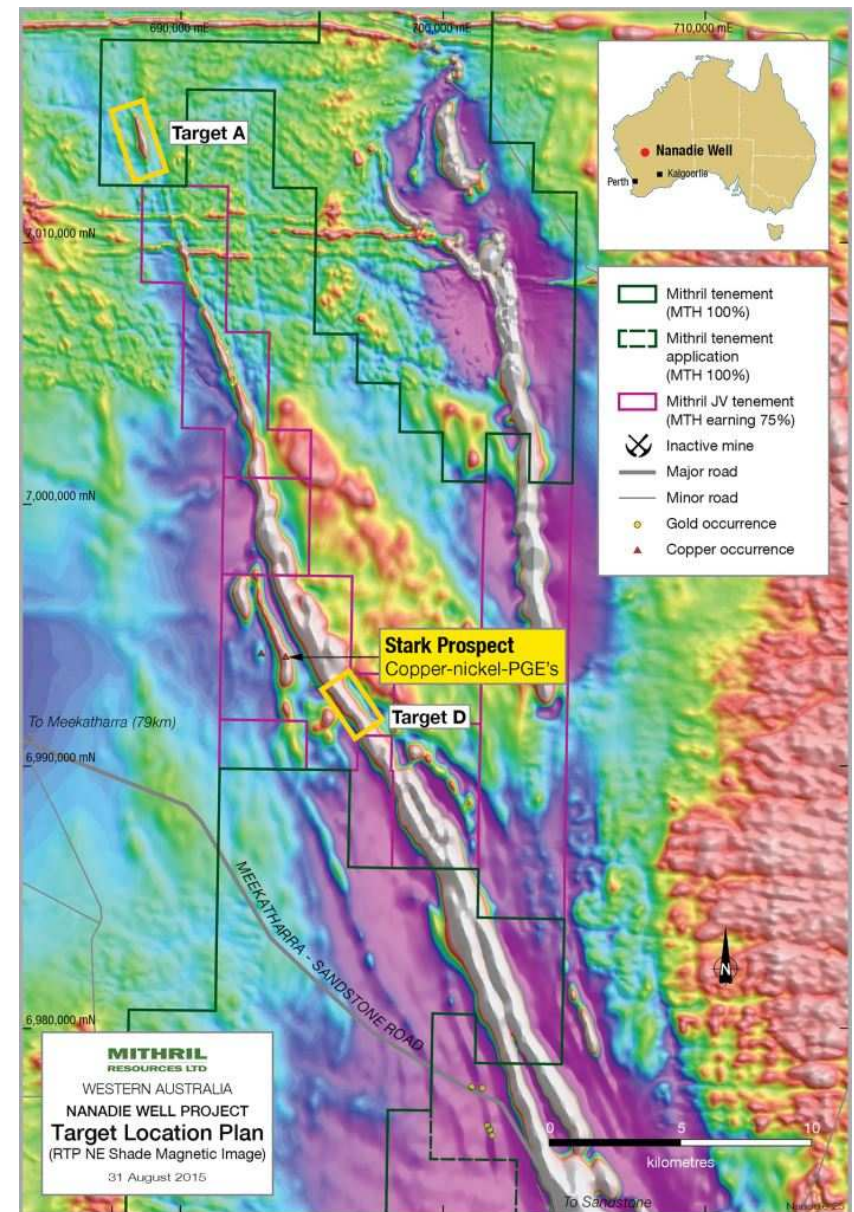




# Target A copper



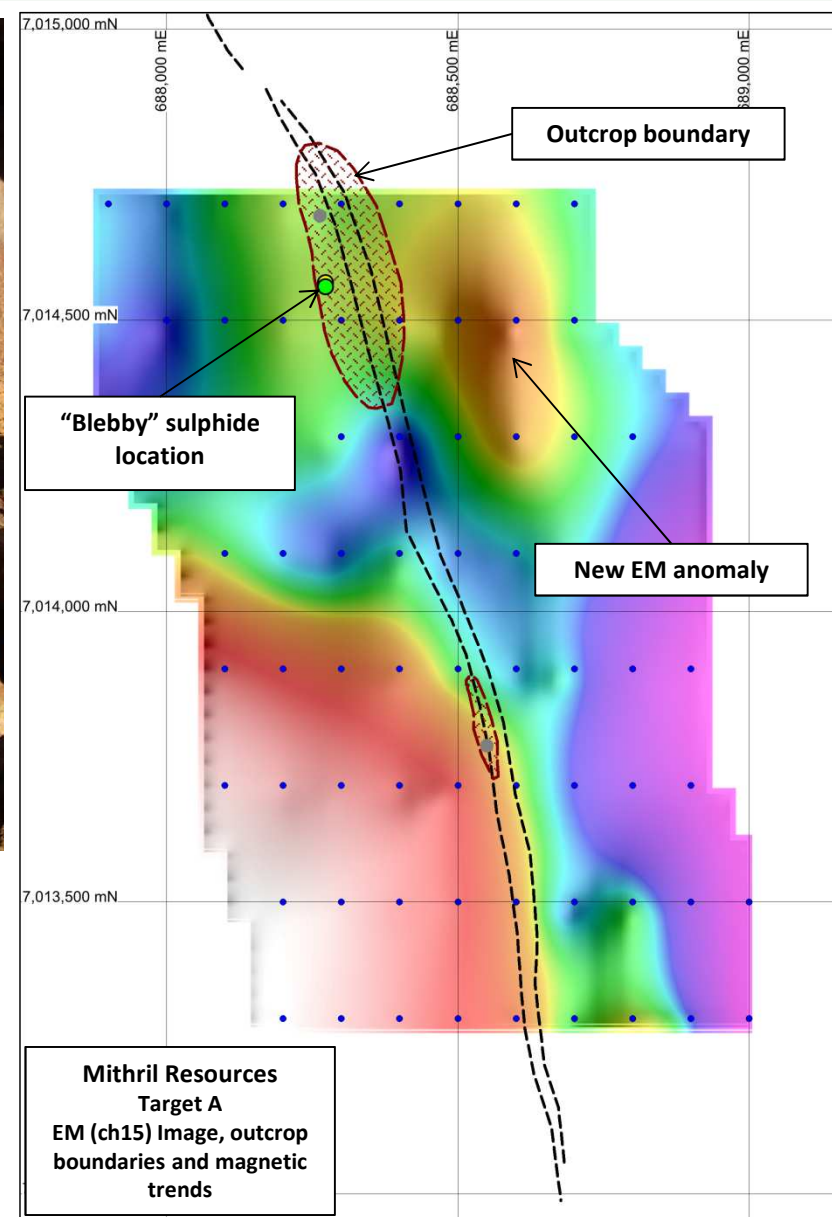
- ✓ 20 kms NNW of Stark
- ✓ 100% owned
- ✓ Outcropping “blebby” copper sulphides
- ✓ 0.55% copper in rock chips
- ✓ New ground EM anomaly
- ✓ No previous drilling



# Target A EM anomaly



- ✓ “blebby” magmatic sulphides (red arrows)
- ✓ Adjacent EM anomaly

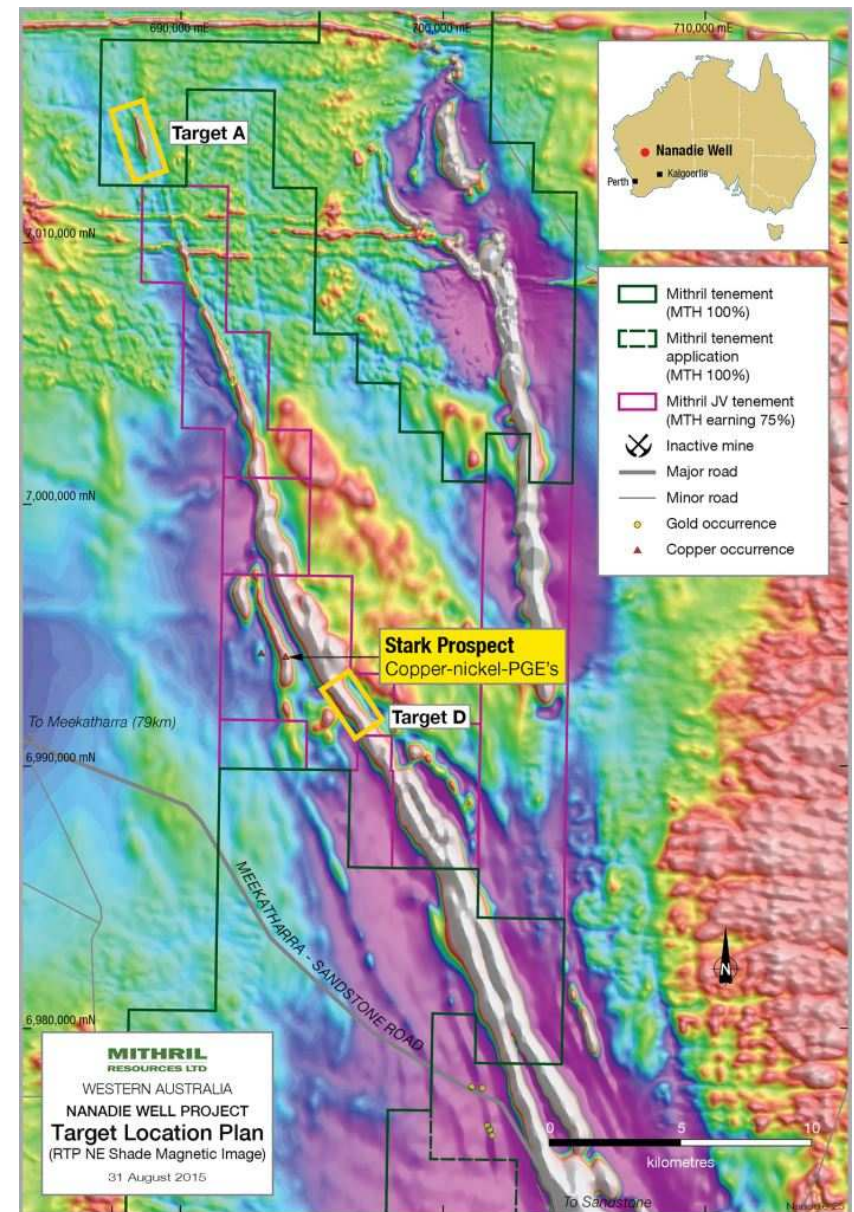




# Target D copper-gold



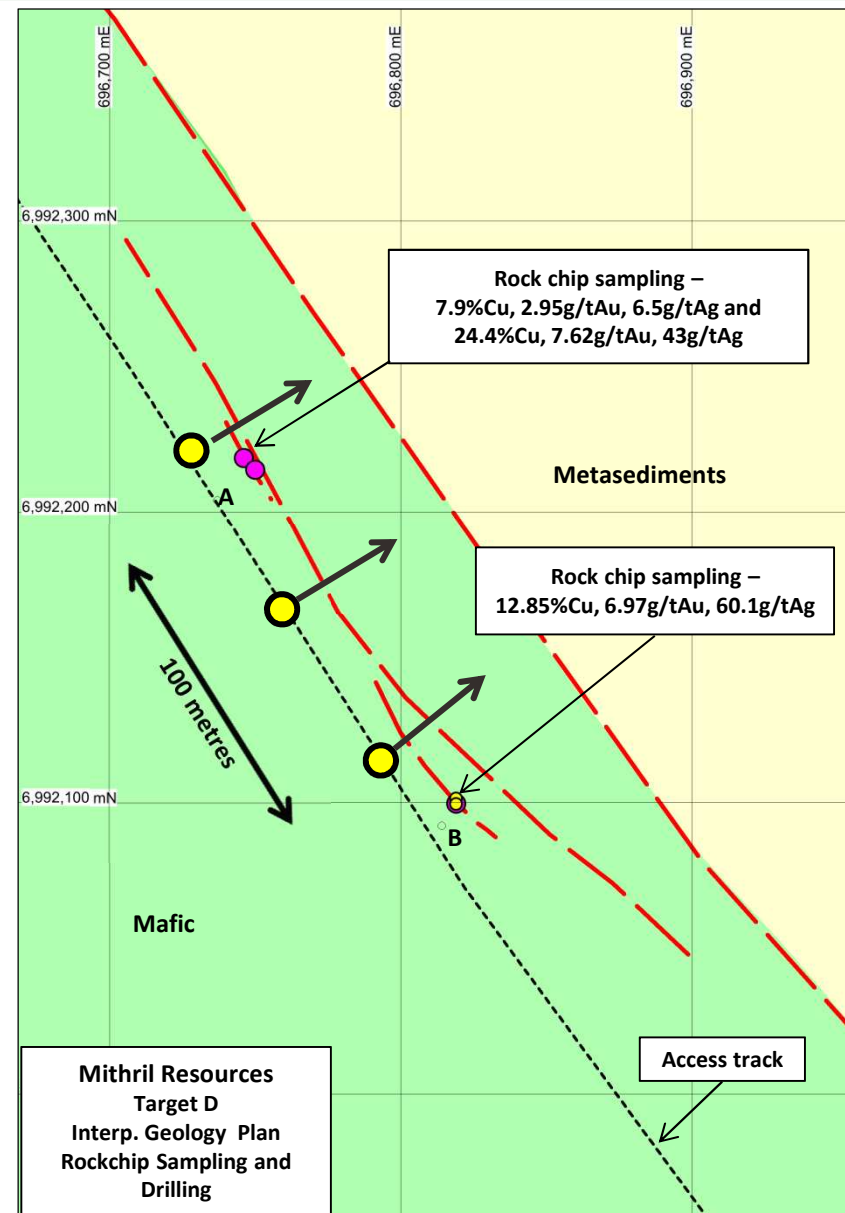
- ✓ 2 km SE of Stark
- ✓ Nanadie Well JV
- ✓ Limited outcrop - soil cover
- ✓ Brecciated quartz veins mapped within series of prospecting pits over 130 metres strike
- ✓ Mafic / metasediment contact
- ✓ Up to 12.85% copper, 6.97g/t gold in rock chips
- ✓ 2 historic RAB holes were not deep enough and failed to reach target



# Target D planned drillholes – Dec 2015 Qtr.



- ✓ Historic RAB holes A and B were not deep enough and failed to reach target
- ✓ 2 - 3 holes planned to test contact within vicinity of rock chip samples

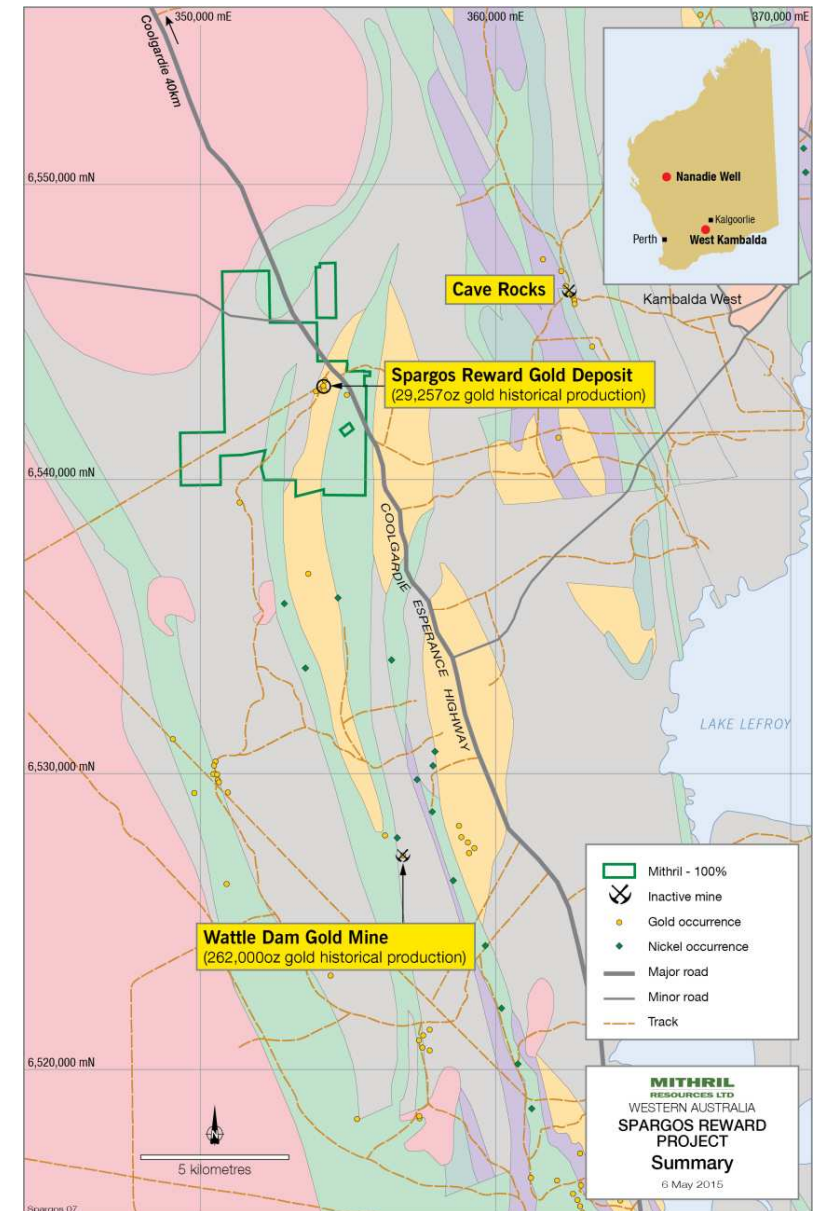




# Spargos Reward Gold Project



- ✓ 20km west of Kambalda
- ✓ Located close to infrastructure
- ✓ High-grade gold belt (i.e. Wattle Dam)
- ✓ Numerous targets including Spargos Reward Gold Deposit
- ✓ New exploration partner





# Spargos Reward Gold Project

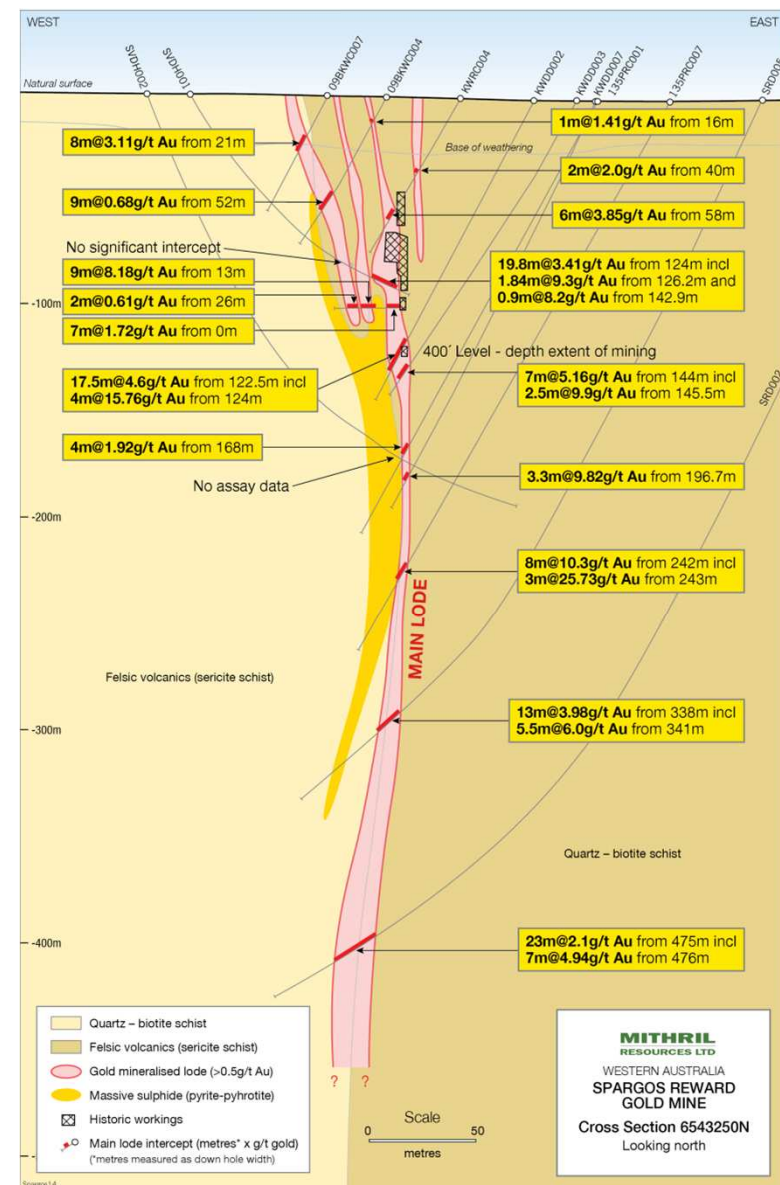


- ✓ **New exploration partner - Corona Minerals to earn up to 85% (excluding MEP's Ni Rights)**
- ✓ **Agreement Terms:**
  - Corona will purchase a initial 50% interest for A\$100,000 cash, payable on completion (September 2015)
  - Corona will sole fund A\$150,000 in exploration by 11 May 2016 for a further 15% interest (total of 65%)
  - Corona may elect to sole fund positive scoping study on a JORC Mineral Resource for a further 20% interest (total of 85%)
- ✓ **Project includes Spargos Reward Gold Deposit where previous drilling by Mithril has intersected high-grade gold including;**
  - 8m @ 10.30 g/t gold from 242 metres including 3m @ 25.73 g/t gold
  - 10m @ 4.60 g/t gold from 256 metres including 3m @ 13.00 g/t gold

# Spargos Reward Gold Deposit



- ✓ Discovered - early 1930's
- ✓ Mined - 1936 to 1942 and 1989 to 1991 (~30Koz produced @ 8g/t gold)
- ✓ Shear hosted with multiple lodes
- ✓ Remains open down dip and along strike

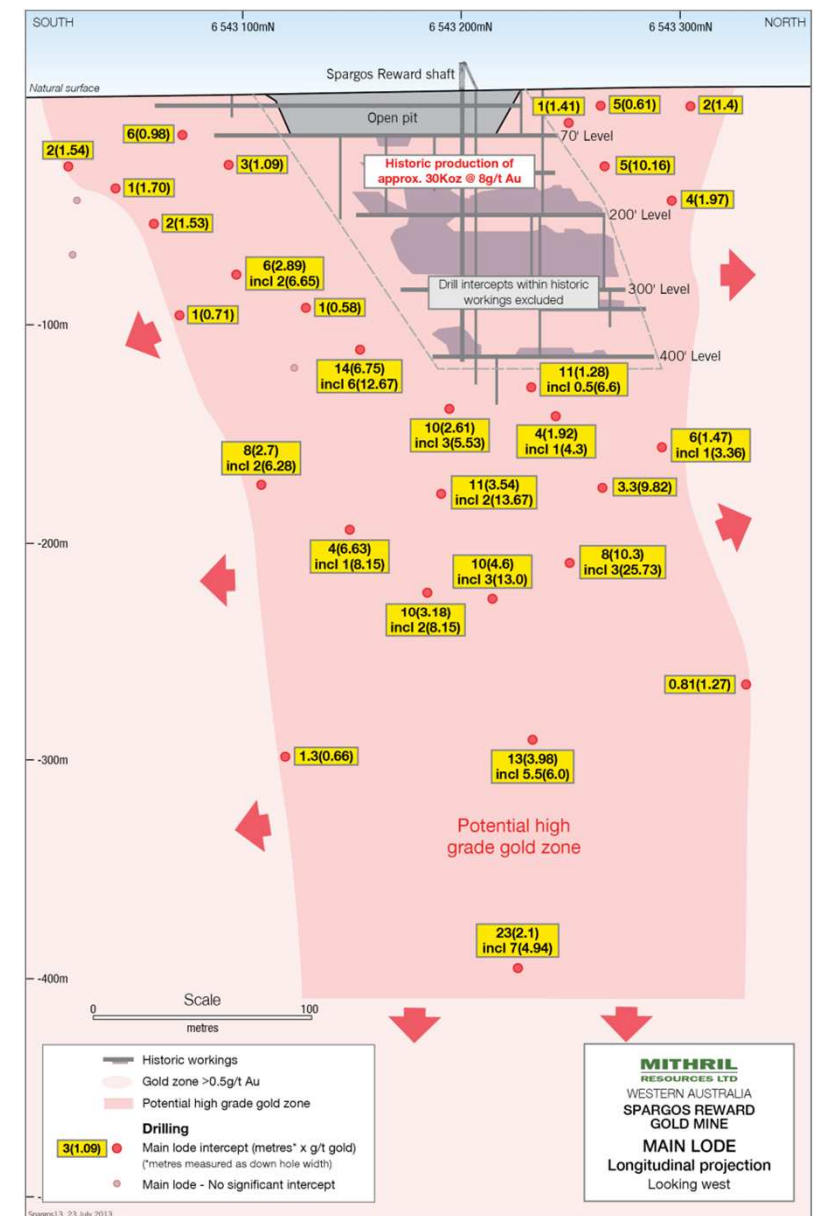


# Spargos Reward Gold Deposit



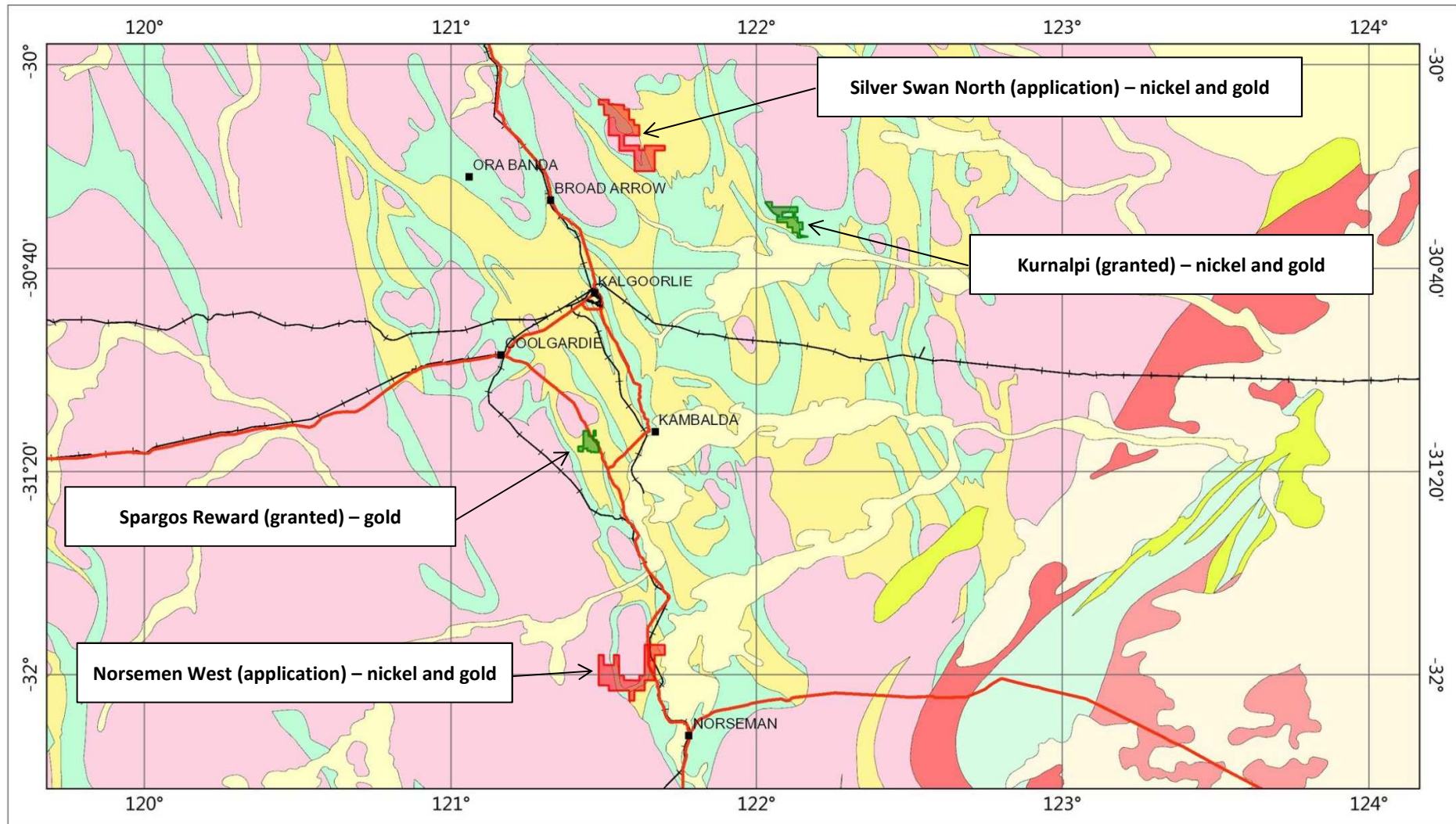
## ✓ 2013 drill results include:

- 8m @ 10.30 g/t gold from 242 metres including 3m @ 25.73 g/t gold
- 10m @ 4.60 g/t gold from 256 metres including 3m @ 13.00 g/t gold
- 10m @ 3.18 g/t gold from 250 metres including 2m @ 8.15 g/t gold
- 4m @ 6.63 g/t gold from 220 metres including 1m @ 8.15 g/t gold





# Building a project pipeline - Kalgoorlie District



# Planned Activities



Activity	September	October	November	December
Share Purchase Plan				
Spargos Reward Transaction Completion				
Drilling – Stark EM conductors / Targets A and D <sup>1</sup>				



<sup>1</sup>subject to successful capital raising



# Company Snapshot



**Active explorers**

**Stark copper-nickel-PGE discovery**

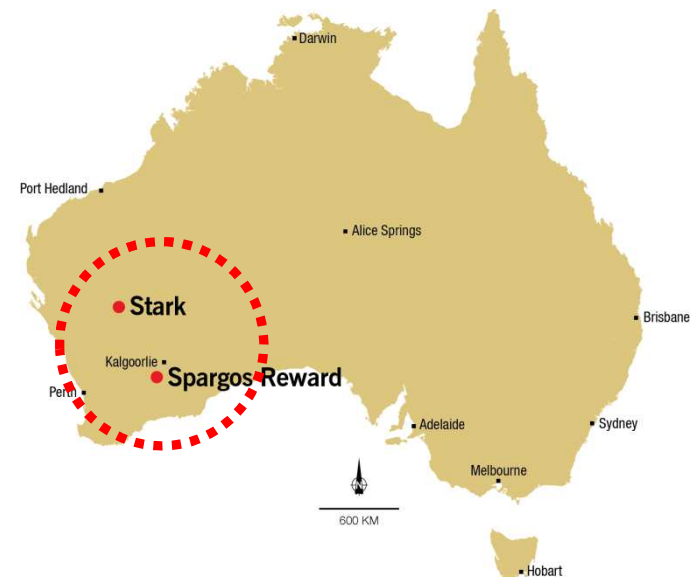
**Spargos Reward high-grade gold**

**Building a project pipeline**

**Priority drill targets**

**SPP closing 21<sup>st</sup> Sept 2015<sup>1</sup>**

**Drilling Dec 15 Qtr.<sup>2</sup>**



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# Appendix 1. Corporate Summary



## Overview

Shares on issue	421 million
Options (unlisted)	22.1 million
Market Cap	\$2.10M
Cash (30/06/2015)	\$0.54M
Investments	\$0.23M (MGV shareholding)

## Directors and Management

Graham Ascough	Non Executive Chairman
David Hutton	Managing Director
Donald Stephens	Non Executive Director & Company Secretary
Jim McKinnon-Matthews	Geology Manager

## Shareholders

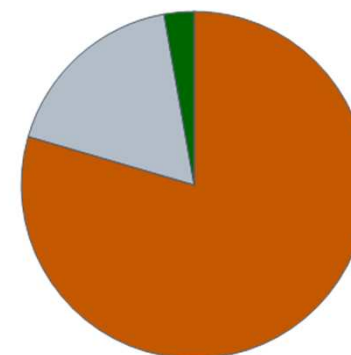
**Top 40 hold 46%**

**Retail – 81.3%**

**Institutions – 16.1%**

- Minotaur Exploration - 7.8%
- Perth Capital / Wythenshawe - 6.2%
- Consolidated Minerals - 1.9%

**Directors and Management – 2.6%**



# Appendix 2. JORC Information



## Nanadie Well Copper Deposit (MTH earning 75%)

2004 JORC Code Classification	Tonnes (Mt)	Copper %	Gold ppm	Contained Copper (tonnes)	Contained gold (ounces)
Inferred	36.07	0.42	0.064	151,506	74,233

- ☐ Refer to Intermin Resources' ASX Announcement "Initial Resource Estimate for the Nanadie Well Cu-Au Project" dated 19 September 2013.
- ☐ The information pertaining to the Nanadie Well Copper Deposit Inferred Resource was prepared and first disclosed by Intermin Resources under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported.

Further details (including JORC 2012 Code Reporting Tables, where applicable) for the information included in this Presentation can be found in the following announcements previously lodged with the ASX.

- Two new regional targets confirmed at Stark - 02.09.2015
- New Stark copper-nickel-PGE targets prioritised for EM geophysics - 15.07.2015
- Priority copper-nickel targets at Stark - 01.06.2015
- Stark EM surveys identify three new drill targets - 13.05.2015
- Exploration Partner for Spargos Reward - 11.05.2015
- Stark EM surveys underway - 28.04.2015
- Latest results confirm high-grade Cu-Ni-PGE potential at Stark - 23.03.2015
- Disseminated and massive sulphides at Stark - 19.02.2015
- Stark Copper Nickel PGE Discovery - 20.01.2015
- Copper mineralisation increasing with depth at Stark - 16.12.2014
- Drill targets defined at Stark copper nickel prospect - 07.10.2014
- Further High Gold at Spargos Reward- 27.03.2013

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All amounts in A\$ unless stated otherwise.

The information in this report that relates to the Nanadie Well Mineral Resource is based on information compiled by Mr David O'Farrell who is a full-time employee of Intermin Resources Limited and a Member of the Australasian Institute of Mining and Metallurgy (AusIMM). Mr O'Farrell has more than five years' 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 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves".

Mr O'Farrell consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

# Contact Details



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