

ARROW  
MINERALS

**Gold, Lithium & Nickel Exploration  
in Western Australia**

June 2018

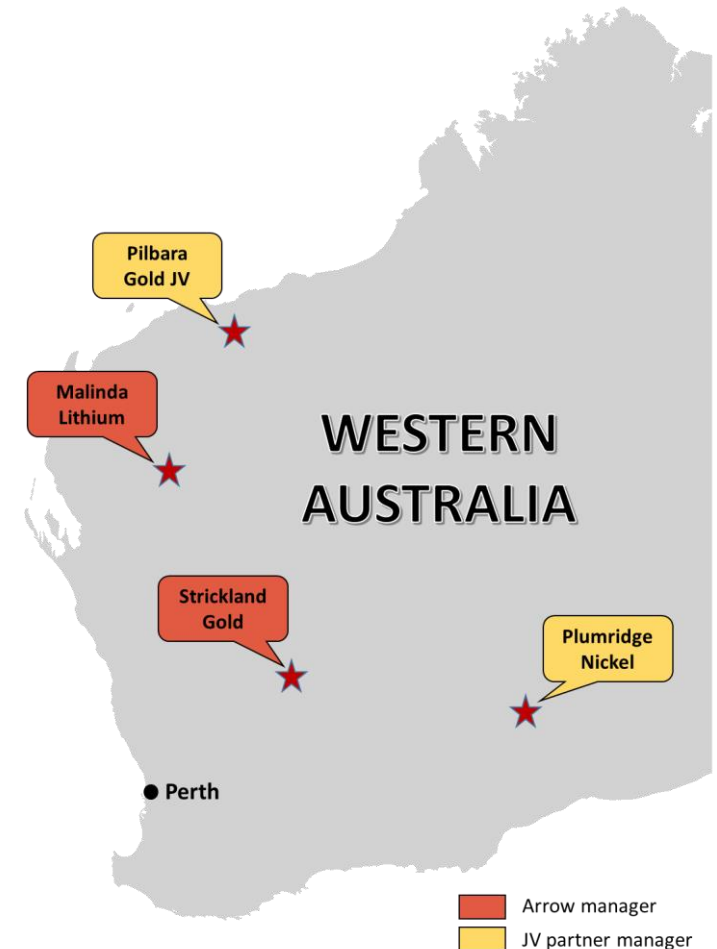
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- The information in this presentation that relates to Exploration Results is based on information compiled by Mr Dean Tuck who is a Member of The Australian Institute of Geoscientists. Mr Tuck is a full-time employee of Arrow and has more than five 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 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Minerals Resources and Ore Reserves". Mr Tuck consents to the inclusion in the presentation of the matters based on his information in the form and context in which it appears.
- Additionally, Mr Tuck confirms that the Company is not aware of any new information or data that materially affects the information contained in the ASX Releases referred to in this report.

# Who is Arrow?

- **Arrow Minerals (ASX: AMD)** is a Western Australian mineral exploration company exploring for gold, lithium and nickel
- **Strickland Gold Project**
  - 100% interest in 1,200km<sup>2</sup> of exploration licences covering two unexplored greenstone belts 80km west of Menzies
  - Multiple camp-scale gold prospects with 14 gold-in-soil anomalies identified
  - Drilling of the first 4 targets has intersected significant gold in bedrock beneath soil anomalies
- **Malinda Lithium Project**
  - Dominant tenement holding in the emerging Gascoyne lithium region
  - Malinda prospect covering 1.8km x 1.2km with high grade lithium (spodumene) and tantalum
- **Non-Operating Joint Ventures**
  - IGO JV - 2,500km<sup>2</sup> of tenements in the Fraser Range Province, highly prospective for nickel-copper sulphides
  - Pacton JV - 600km<sup>2</sup> of tenements in the Pilbara Region prospective for conglomerate and basement gold targets

## Project location map

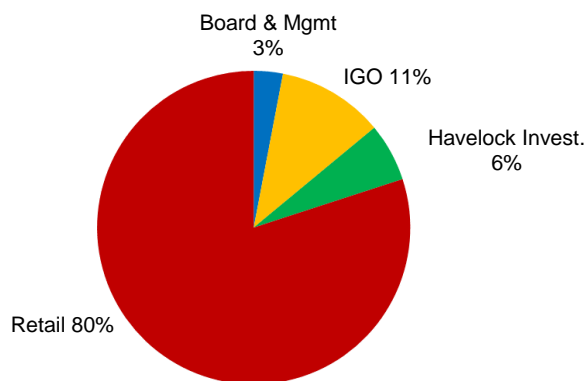


# Corporate Summary

## Arrow Minerals Limited (ASX: AMD)

Share price <sup>1</sup> :	2.3¢
Shares on issue:	307.0m
Options on issue <sup>2</sup> :	142.6m
Market capitalisation:	\$7.1m
Cash and investments <sup>3</sup> :	~\$5.5m

## Shareholder structure



1. As at 22 June 2018
2. 8.6m (ex 17.5¢, Jun 19); 13.1m (ex 7¢, Dec 19), 120.9m (ex 10¢, Dec 19)
3. Cash as at 31 March 2018 and market value of listed investments

## Board and Management



### Steven Michael – Managing Director

- 15 years of investment banking and mining research experience with RBC Capital Markets, Macquarie Bank and NM Rothschild
- Member of the Australian Institute of Company Directors and Chartered Accountants Australia & New Zealand



### Dr Frazer Tabcart – Non-Executive Director (Technical)

- 25 years experience in exploration and mining projects, including 16 years with WMC
- Member of the Australian Institute of Geoscientists and a member of the Society of Economic Geologists



### Nicholas Ong – Non-Executive Director (Commercial)

- Seven years experience in listing rules compliance and corporate governance as Principal Adviser at the ASX
- Member of Governance Institute Australia and has an MBA from the University of Western Australia

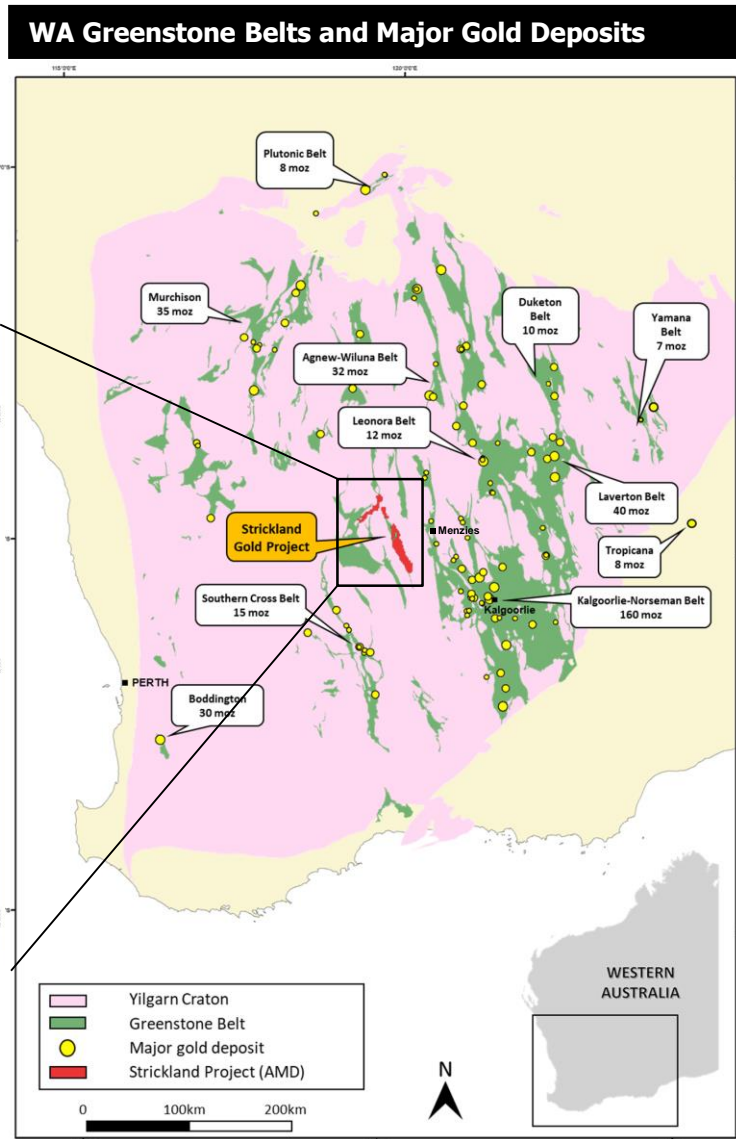
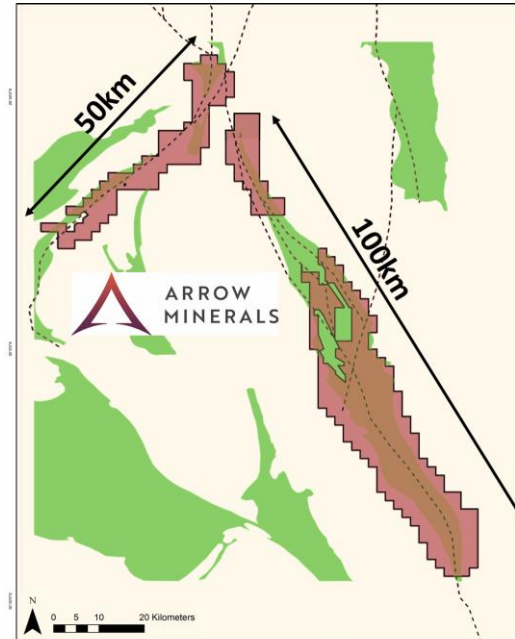


### Dean Tuck – Exploration Manager

- 10 years experience in international exploration including five years with BHP Billiton and Talisman Mining
- Member of the Australian Institute of Geoscientists and a member of the Society of Economic Geologists

# Strickland Gold Project – Overview

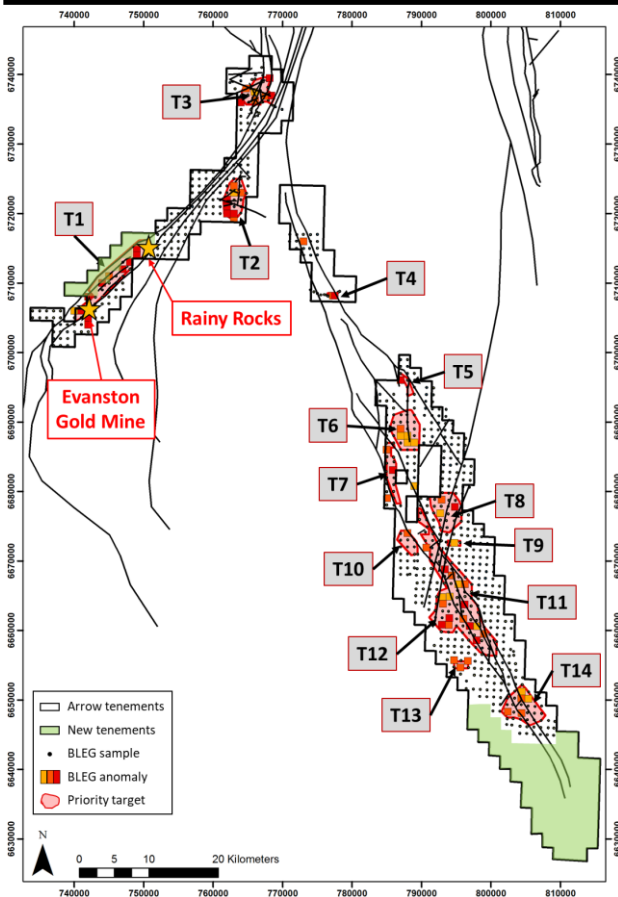
- Arrow has nine **exploration licences covering 1,200km<sup>2</sup>** approx. 80km west of Menzies
- All major greenstone belts in the Yilgarn Craton have >8moz of gold endowment – Evanston/Yerilgee/Illaara is the **only remaining major under-explored greenstone terrain**
- Ground was held by iron ore companies for the last 15 years, with **no modern gold exploration**
- Project covers **over 100 strike km of greenstone belts** which straddle regionally significant shear zones
- Strickland Project is the same size as **Melbourne to Ballarat**
- Several known gold occurrences along the greenstone belt including Evanston and Rainy Rocks
- Arrow is conducting the **first systematic gold exploration** utilising geological and geophysical datasets from iron ore explorers



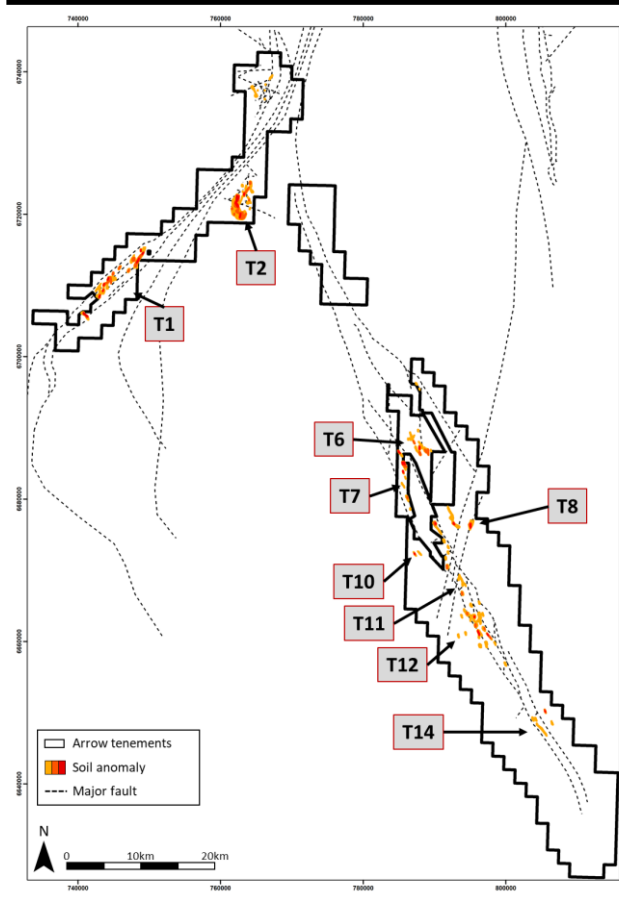
# 2017 Exploration Work Completed

- Arrow completed early-stage exploration work in 2017 to identify 14 camp-scale gold target areas
- First pass aircore/RC drilling completed over four targets with significant gold intersected at each target

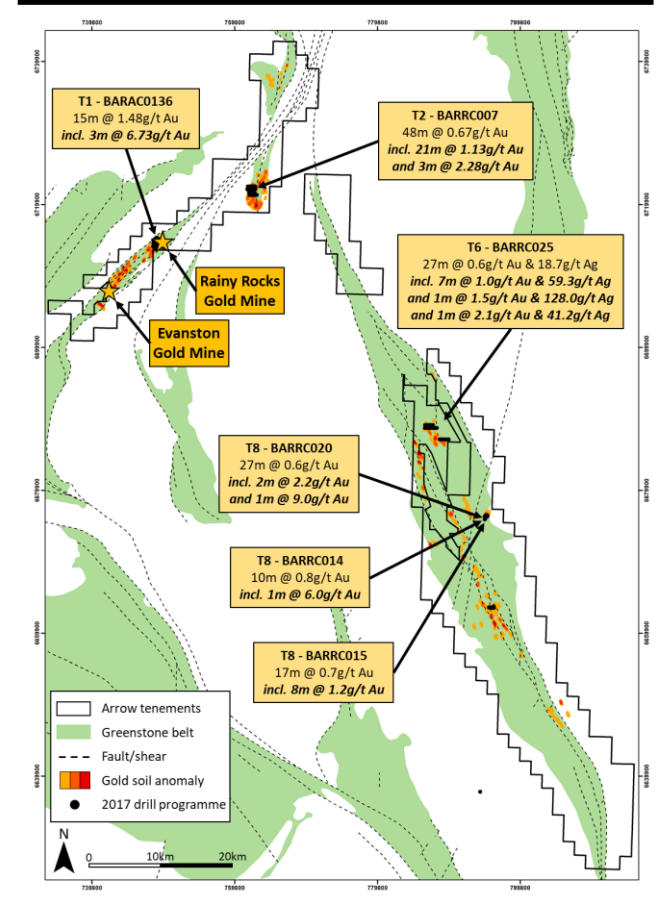
**1km x 1km BLEG sampling**



**Soil sampling combined with mag interp.**

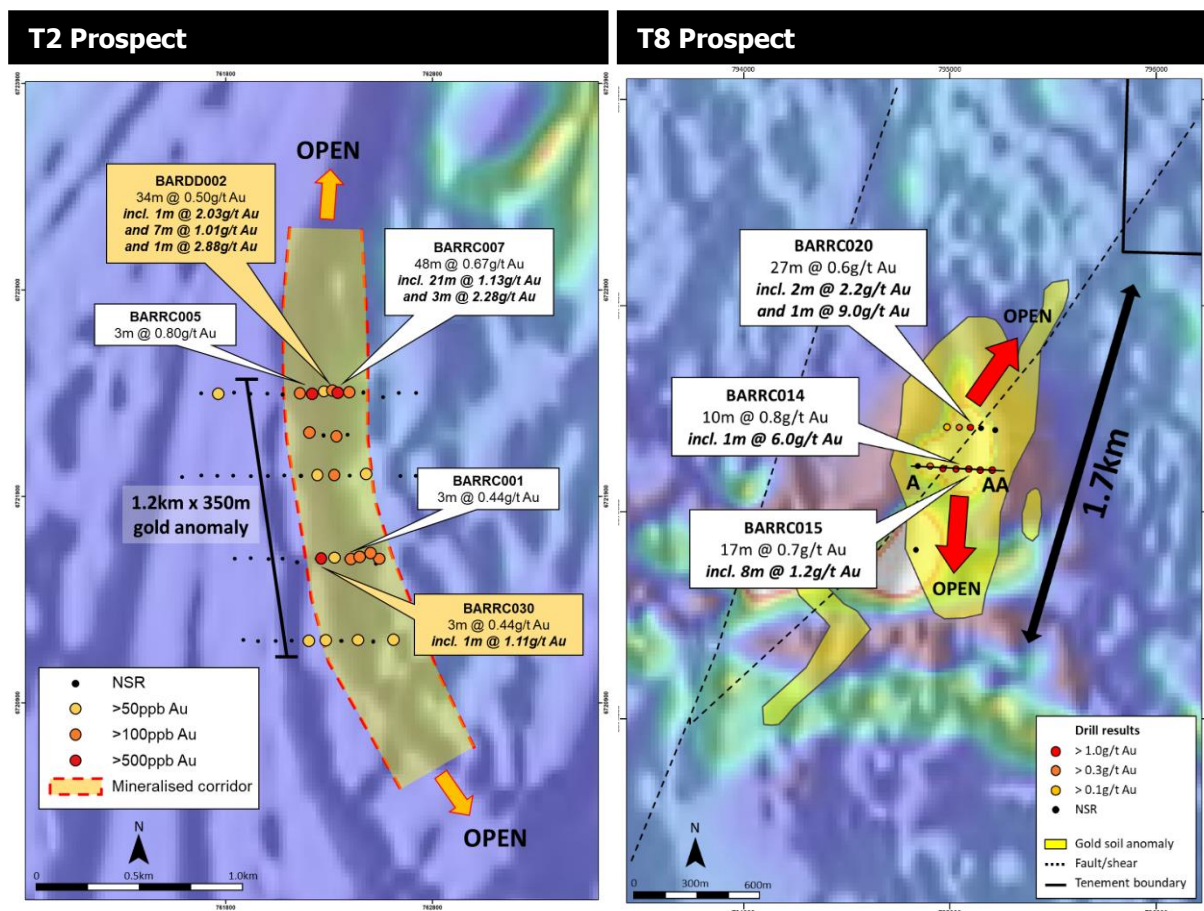


**First pass drilling programme over 4 targets**



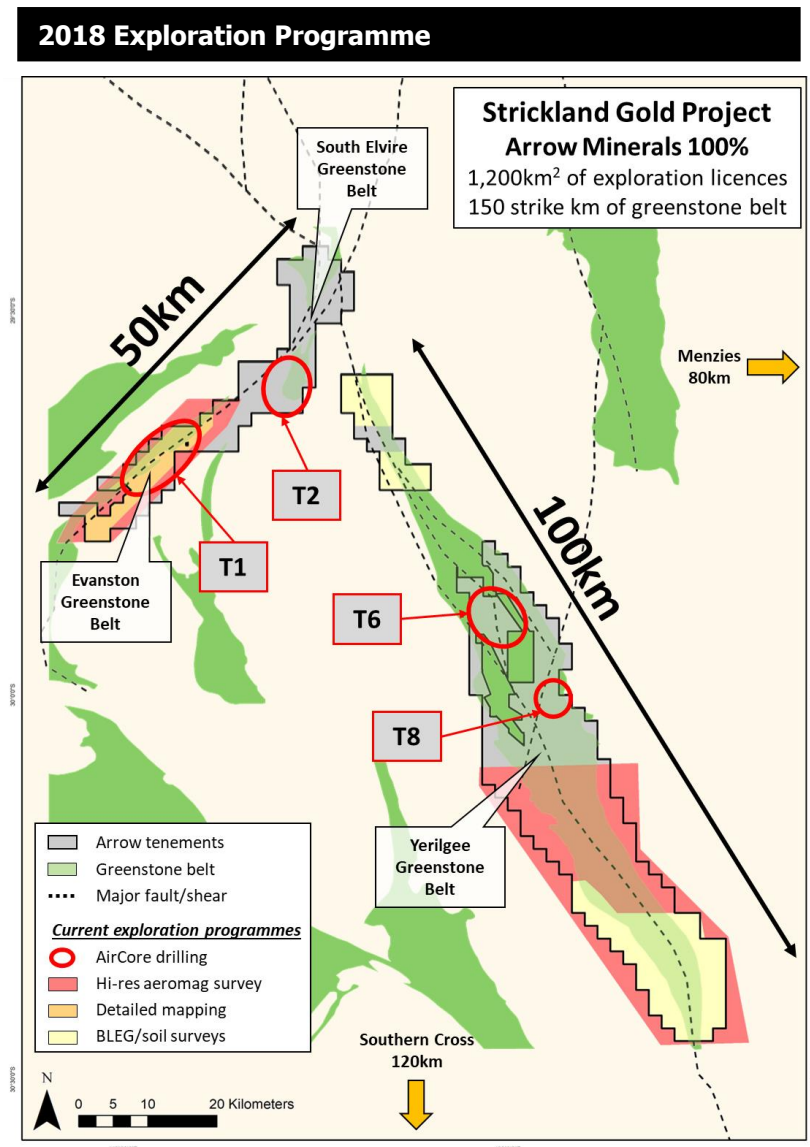
# Maiden Drilling Programme (2017)

- **11,000m aircore and RC drill programme completed at T1, T2, T6 & T8 Prospects<sup>1</sup>**
- Large tenement holding and multiple greenstone belts has led to several different types of gold mineralisation and structural settings identified
- **T1 Prospect**
  - 15m @ 1.5g/t Au from 12m incl. 3m @ 6.7g/t Au
- **T2 Prospect**
  - 48m @ 0.7g/t Au from 27m incl. 21m @ 1.1g/t Au
- **T6 Prospect**
  - 27m @ 0.6g/t Au from 8m incl. 1m @ 2.1g/t Au
- **T8 Prospect**
  - 27m @ 0.6g/t Au from 9m incl. 2m @ 2.2g/t Au and 1m @ 9.0g/t Au
- First pass drilling results confirmed the potential of the Strickland Gold Project to host multiple gold deposits



# Major Exploration Programme Commenced in 2018

- 2018 exploration programme is aimed at **drill testing** gold-in-soil anomalies to **delineate gold-in-bedrock prospects**
- **20,000m aircore drilling programme completed** over T1, T2, T6 and T8 prospects
  - 400m x 80m spaced holes, with some areas infilled to 40m where saprolite was shallow
  - ~1,000 holes completed (average 20m) providing full coverage over large soil anomalies
- Aeromagnetic survey completed over southern third of the project – now full project coverage at least 100m spaced
- Detailed geological mapping and aeromagnetic survey (20m spacing) completed at T1 Prospect prior to aircore drilling
- BLEG and soil sampling completed over new tenements

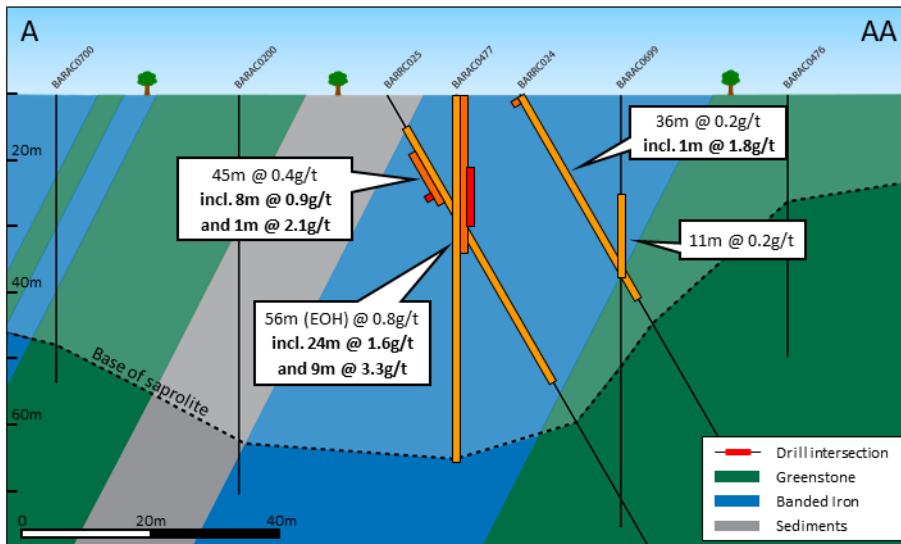




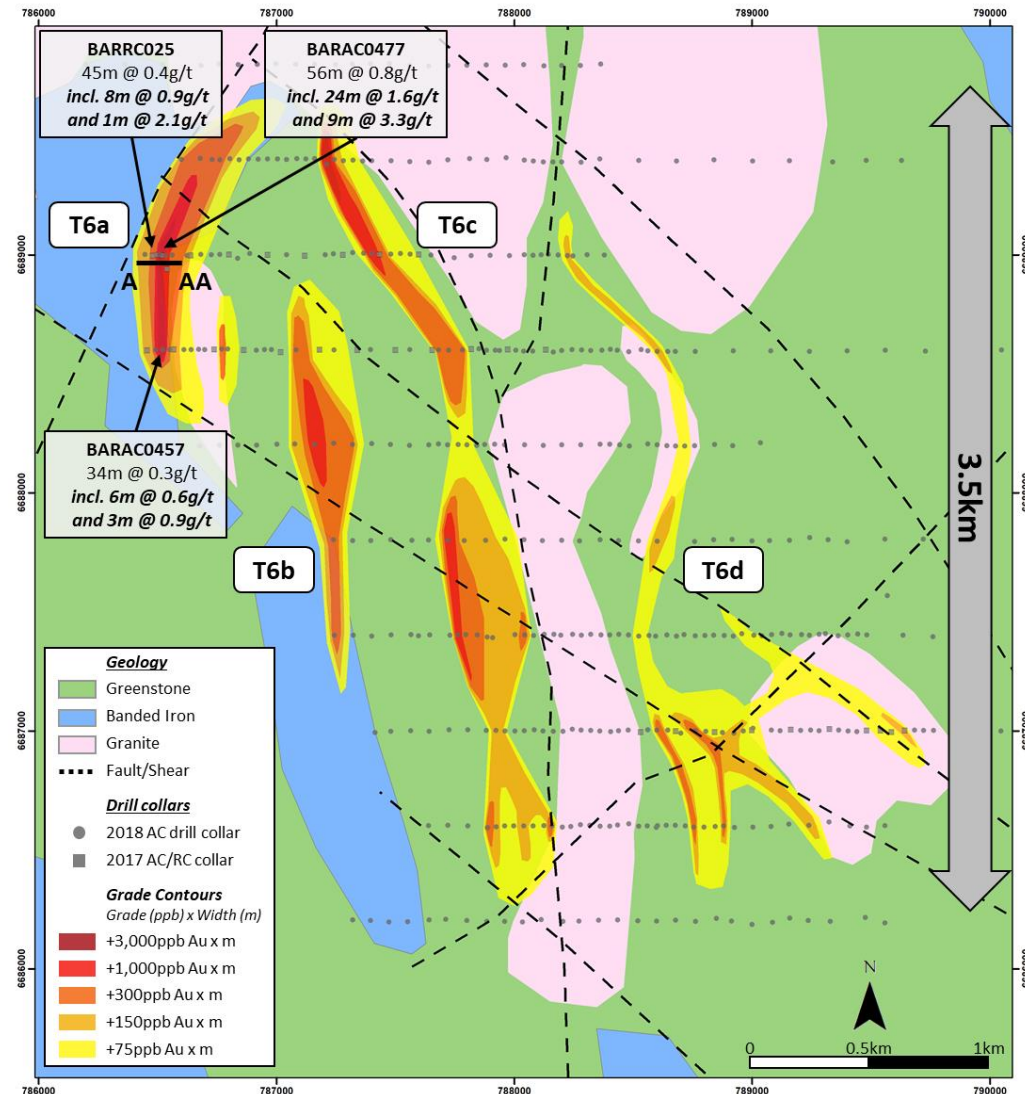
# T6 Prospect – Multiple Bedrock Gold Anomalies

- Drilling at T6 has intersected **four bedrock gold prospects** from 1.5km – 3.5km in strike length
- Intersections include 56m @ 0.8g/t Au from surface, incl. 24m @ 1.6g/t and 9m @ 3.3g/t<sup>1</sup>
- T6a has confirmed the primary gold-bearing horizon with multiple intersections over 1.5km
- Significant increase in geological understanding of mineralised structures and key controls

Section A-AA at T6 Prospect showing gold-bearing horizon

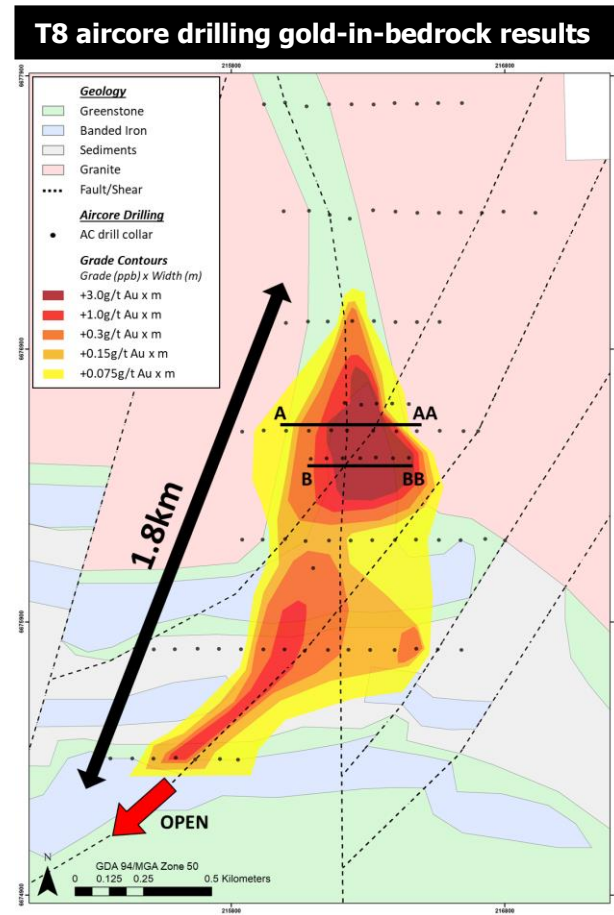
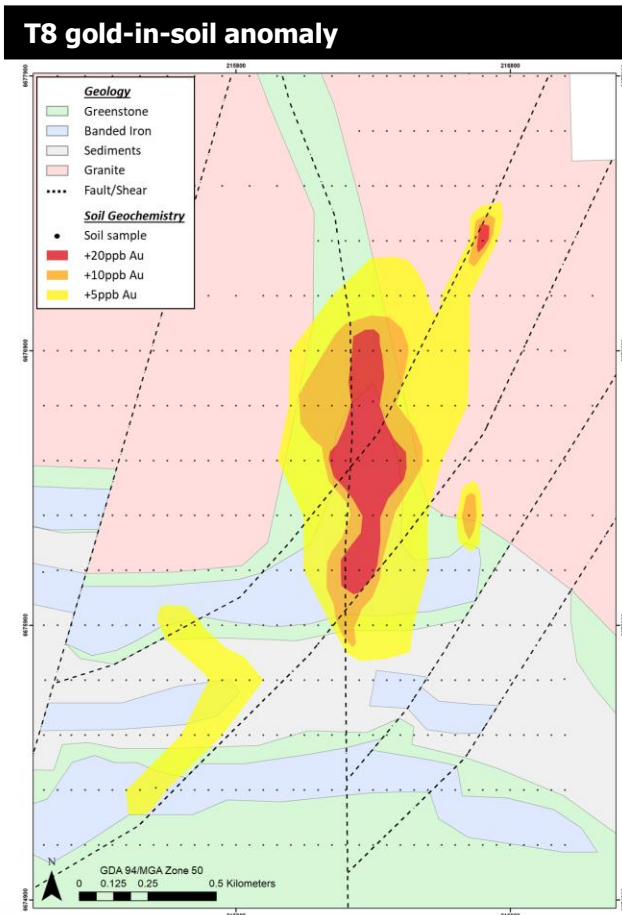


T6 Prospect aircore drilling gold-in-bedrock results

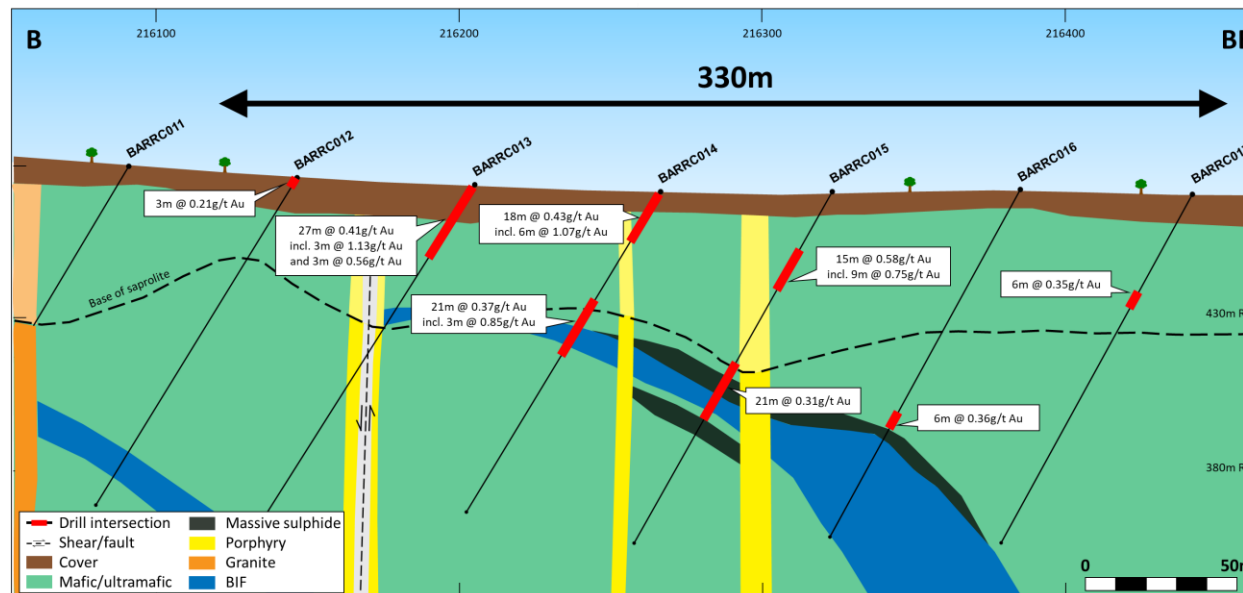
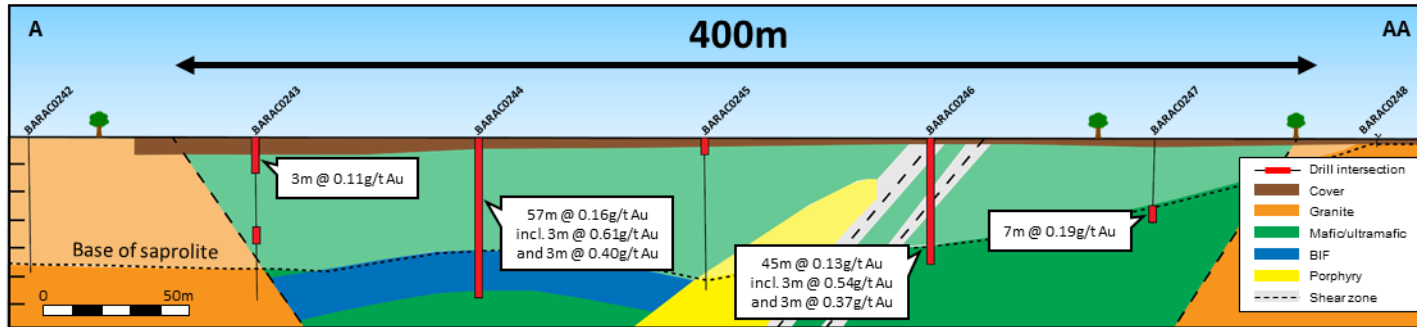


# T8 Prospect – 1.8km Bedrock Gold Anomaly

- Aircore drilling at T8 Prospect has confirmed a 1.8km long gold-in-bedrock anomaly, open to the south<sup>1</sup>
- Zones of elevated pathfinder elements (As-Sb-Bi-Mo-W) associated with the key gold-bearing structures
- Very good correlation between soil and bedrock anomaly

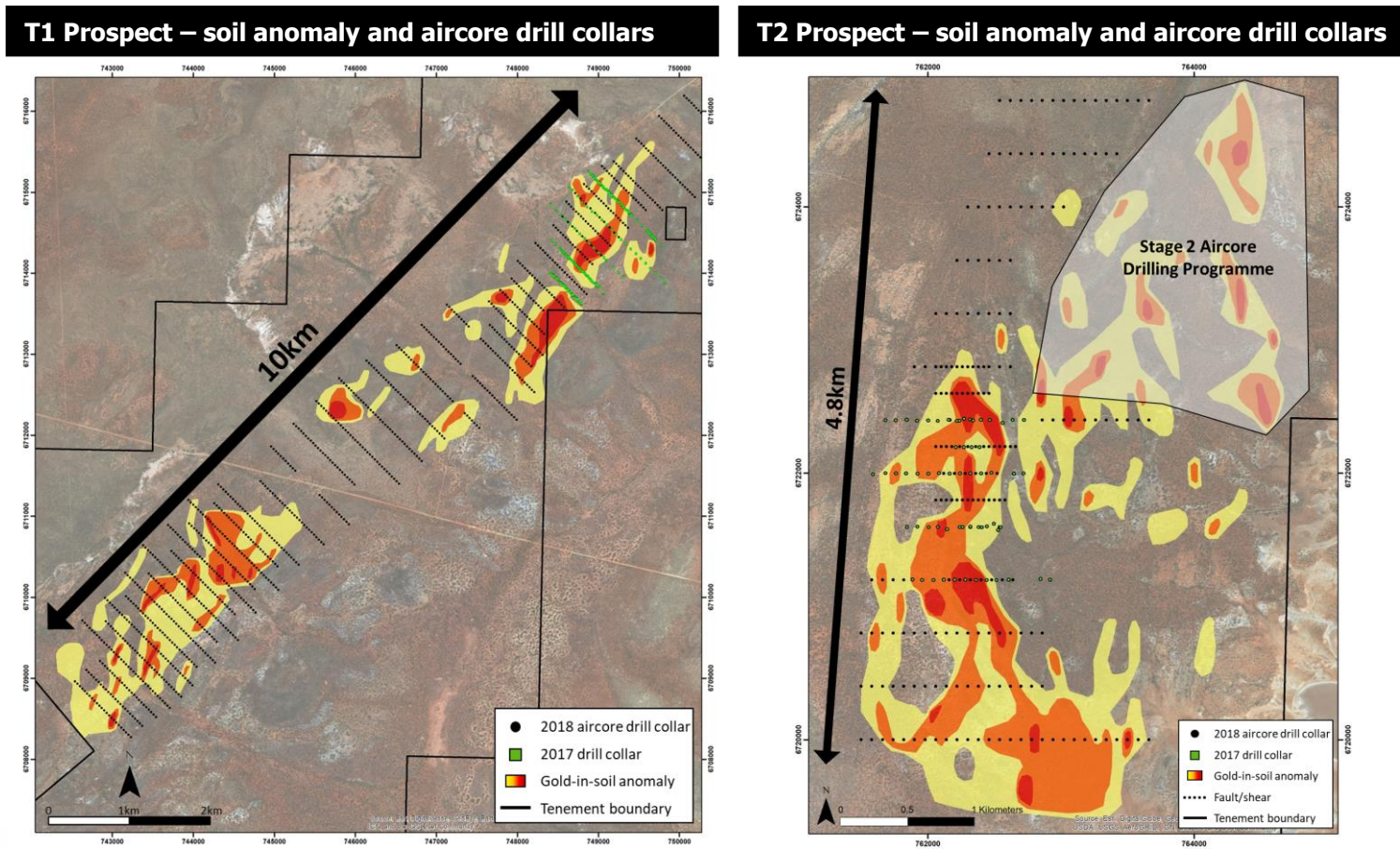


# T8 Prospect – Drill Sections



# T1 & T2 Drilling Complete – Results Pending

- Major aircore drill programmes completed at T1 and T2 Prospects
- T2 results expected to be announced early July 2018
- T1 drilling completed late June, results expected by end of July



# Strickland Gold Project – Next Steps

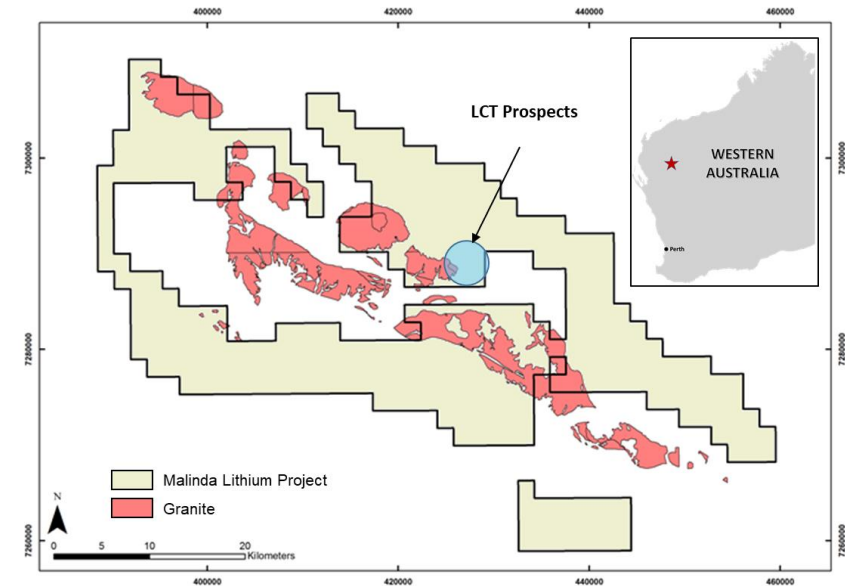
- Strickland Gold Project has the potential to become a major gold province, similar to other greenstone belts in WA which host millions of ounces of gold
- Exploration needs to continue to evaluate, rank and refine prospects
- Arrow has sufficient cash to aggressively explore and drill at Strickland

Prospect-scale aircore drilling programme over T1, T2, T6 & T8 (400m spaced lines)	✓
BLEG, soil sampling and aeromagnetic survey over remaining prospects	✓
Infill aircore drilling at T1, T2, T6 & T8 (200m spaced lines and 100m in some areas)	3Q 2018
Evaluation and ranking of remaining prospects to identify drill targets	3Q 2018
RC drilling of best targets from T1, T2, T6 & T8	4Q 2018
First pass aircore drilling of new targets (3 - 5 prospects)	4Q 2018

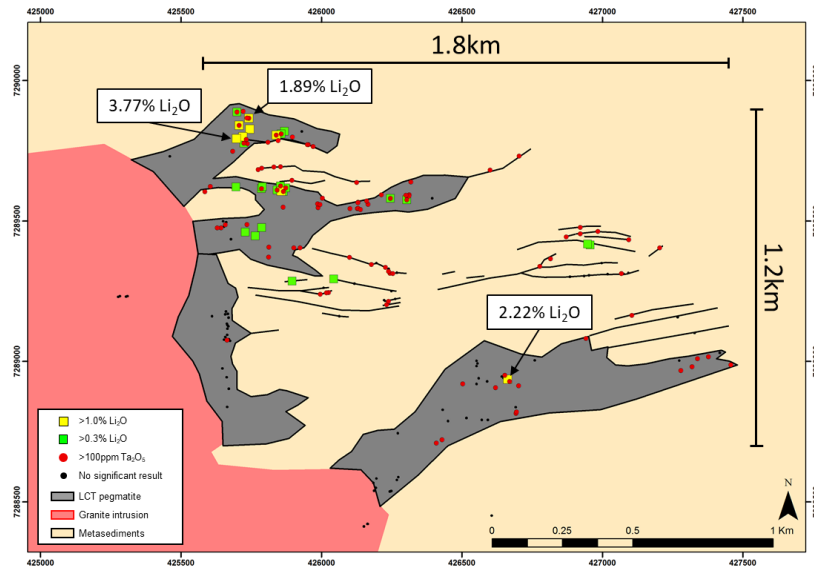
# Malinda Lithium Project - Overview

- Arrow acquired **over 1,100km<sup>2</sup> of tenements** within 10km of the Thirty Three Supersuite – dominant tenement position in the Gascoyne lithium region
- Stream sediment sampling, rock chipping and soil sampling identified a significant LCT prospect covering 1.8km x 1.2km
- Several outcropping pegmatites identified with lithium grades up to 3.8% Li<sub>2</sub>O in rock chips<sup>1</sup>

## Gascoyne lithium region and tenement holdings



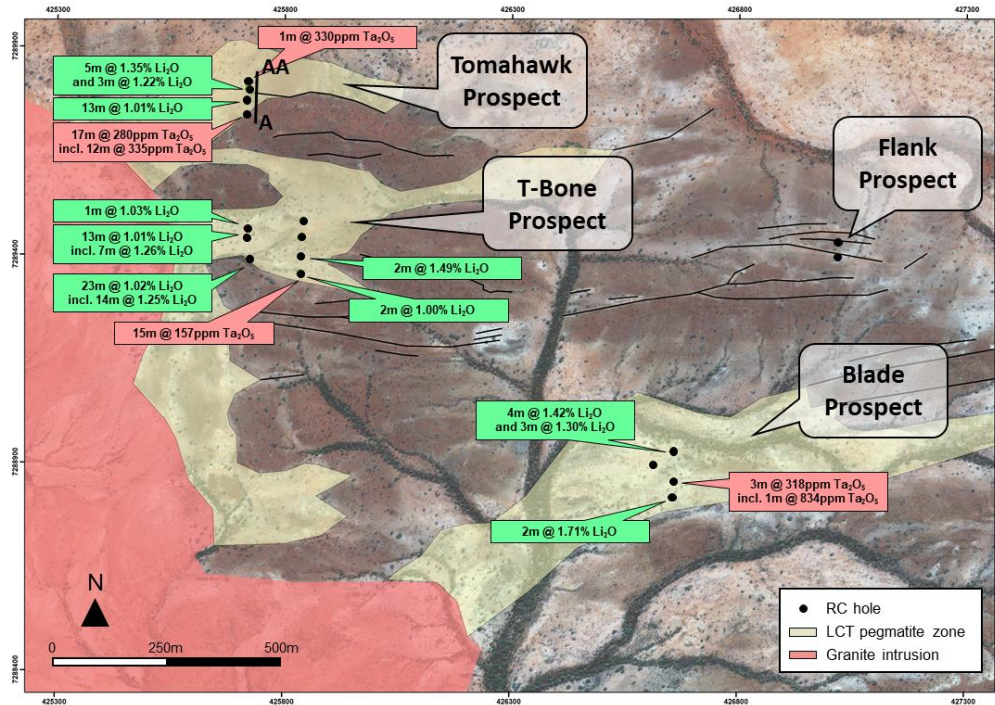
## High grade rock chip samples and interpreted pegmatites



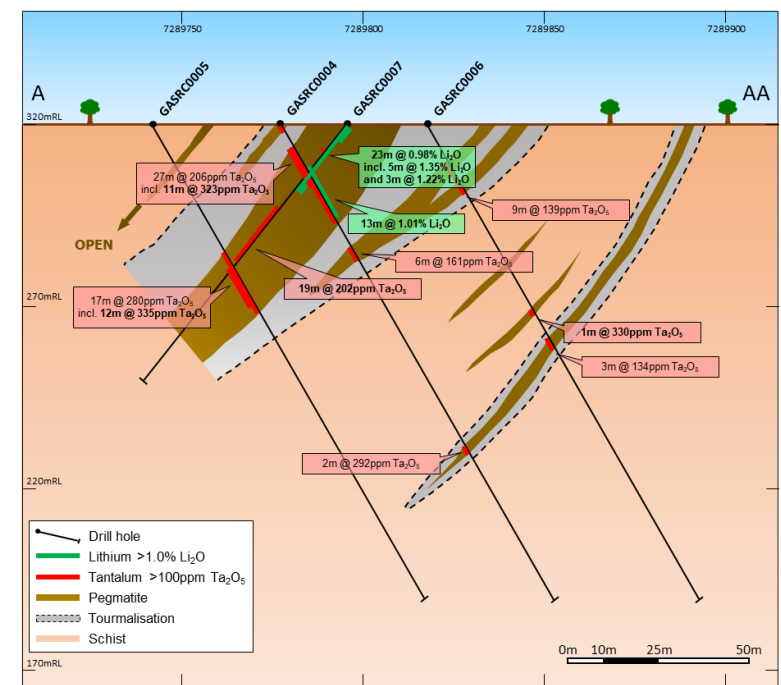
# First Pass RC Drilling – Lithium, Tantalum & Spodumene

- 2,430m of RC drilling completed over Tomahawk, T-Bone, Blade and Flank Prospects
- Mineralised pegmatites intersected at each prospect, with grades up to 2.01% Li<sub>2</sub>O at Blade<sup>1</sup>
- High grade (+1.5% Li<sub>2</sub>O) samples send for XRD analysis to confirm lithium minerals
- Spodumene identified in several high-grade samples (both +2.0% Li<sub>2</sub>O samples)

## Significant lithium and tantalum drill results

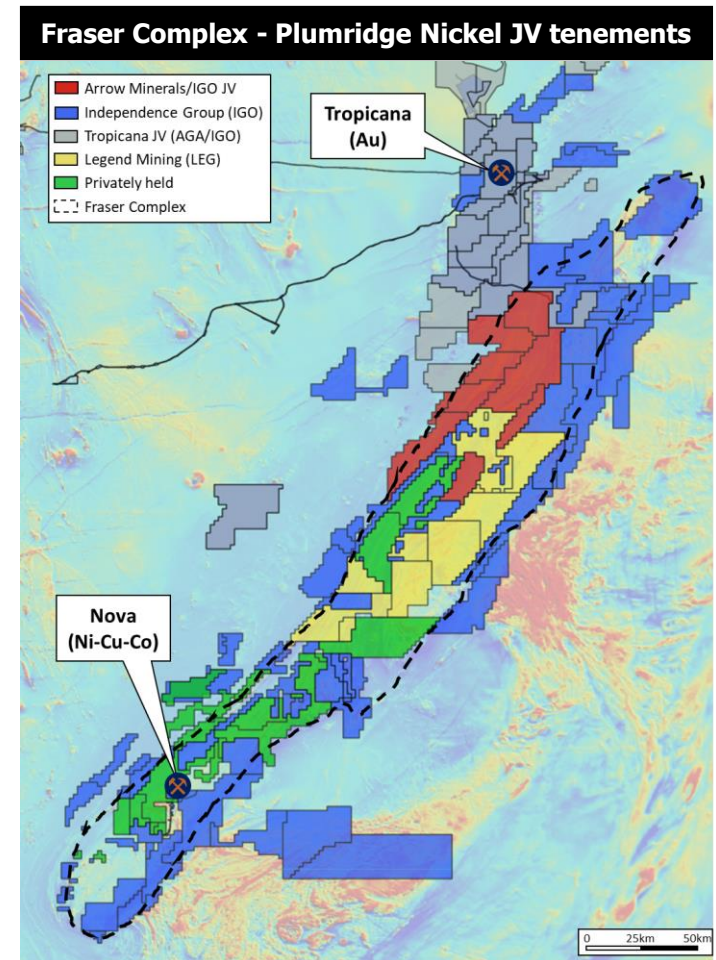


## Section A-AA (Tomahawk Prospect)



# Plumridge Nickel JV with Independence Group NL

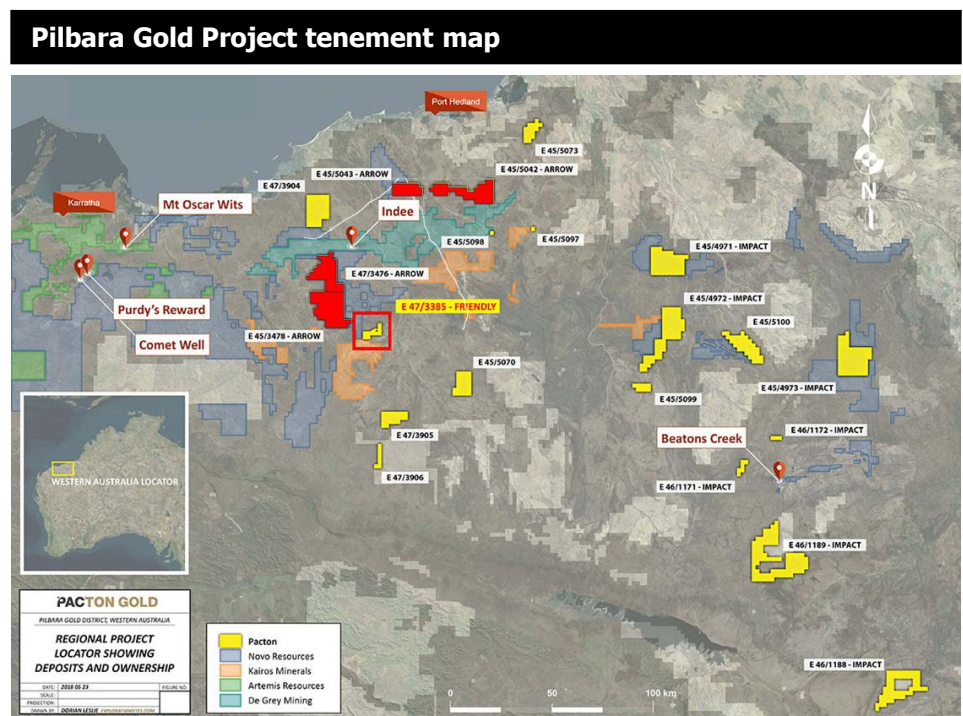
- Plumridge Nickel JV with **Independence Group NL (ASX: IGO)**, covering 8 tenements in the Fraser Range Complex
  - IGO – A\$3.0bn market cap, owns 100% of the Nova Ni-Cu-Co mine and 30% interest in Tropicana gold mine
- Under the Plumridge Nickel Joint Venture, IGO:
  - has acquired a 51% interest and is the project manager
  - can increase its stake to 90% through expenditure of \$5 million within 4 years
  - can accelerate increasing its stake to 90% by paying Arrow cash equal to the remaining exploration spend
- Arrow has acquired several project-wide geophysical and geological datasets – IGO can “hit the ground running”
- IGO plans on conducting airborne EM (Spectrem), ground EM and aircore drilling at the project in 2018





# Pilbara Gold JV with Pacton Gold Inc.

- Pilbara Gold JV with Pacton Gold Inc. (TSX-V: PAC) covering four tenements totalling 600km<sup>2</sup> in the Pilbara Region of WA
- Pacton has acquired a 51% interest in the project by paying Arrow:
  - C\$300,000 in cash
  - C\$250,000 in shares and warrants (market value ~C\$1.2 million)
  - C\$200,000 upon granting of two EL's (expected 3Q 2018)
- Pacton can increase its interest to 80% by spending C\$500,000 on exploration within 12 months and paying Arrow C\$250,000 in shares
- Arrow's remaining 20% interest is free-carried for the first \$5 million of exploration
- Arrow retains lithium rights on the project



# Next Steps...

- Arrow is now fully funded to aggressively explore its key projects – Strickland Gold and Malinda Lithium
- Historical ratio of exploration/administration spend is 70/30 – looking to increase this ratio to 80/20
- Arrow's exploration budget for 2018 is \$3m with an additional \$1.5m to be spent by JV partners
- ***Strickland Gold Project***
  - BLEG, soil sampling, evaluation and ranking of areas not yet up to "prospect" status
  - ~20,000m of infill aircore drilling at T1, T2, T6 & T8 in 3Q 2018
  - ~15,000m of RC drilling on specific targets defined from aircore drilling in 4Q 2018
  - First pass aircore drilling of new prospects in 4Q 2018
- ***Malinda Lithium Project***
  - Detailed aerial imagery survey to define pegmatite swarms
  - Additional geological mapping and structural interpretation ahead of RC drilling programme
- ***Plumridge Nickel Project (IGO to fund)***
  - Fly Spectrem airborne EM survey over areas not covered by HeliTEM survey
  - Ground EM of identified conductors
  - Aircore drilling programme to understand geology and identify mafic intrusions

# **Arrow Minerals Limited**

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