

## QUARTERLY ACTIVITIES REPORT FOR THE PERIOD ENDED 31 MARCH 2019

### HIGHLIGHTS:

#### Strickland Gold Project

- 8,500m drilling programme completed at the T6 Prospect with the majority of drill holes intersecting gold mineralisation, including 3m @ 2.3g/t from 22m (STKAC0259)
- 3,500m drilling programme completed at the T2d Prospect with a 3km long bedrock gold anomaly defined (+0.5g/t Au within 15m of surface)

#### Plumridge Nickel Project

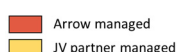
- Clusters of mafic/ultramafic intrusions with cumulate textures in favourable geological setting have been identified, with four drill-ready targets defined
- RC drilling of the Mafic target in the southern end of the project commenced in April

### Capital Structure:

ASX Code:	AMD
Share price (30/04/2019):	1.4¢
Shares on issue (AMD):	314.5m
Options on issue (AMDOA):	120.9m

### Board and Management:

Dr Frazer Tabearnt	Non-Executive Chairman
Nicholas Ong	Non-Executive Director
Steven Michael	Managing Director
Matthew Foy	Company Secretary



### MARCH QUARTER REVIEW

#### ***Strickland Gold Project (AMD 100%)***

12,000m of aircore drilling (average depth 47m) completed at the T6 and T2d Prospects. The majority of holes intersected anomalous bedrock gold mineralisation with several holes returning over 0.5g/t Au.

Drilling at the T6 Prospect focussed on a 3.2km long structurally controlled mineralised corridor and a 700m BIF-porphry contact. Several areas of significant gold mineralisation were identified for followed-up drilling.

At the T2d Prospect, 80 shallow aircore holes were drilled across a 3km-long sheared granite. Gold mineralisation was intersected in the majority of drill holes, with several holes returning +0.5g/t Au within 15m of surface.

#### ***Plumridge Nickel Project (AMD 49%, IGO 51%)***

Aircore drilling has identified mafic/ultramafic intrusions with cumulate textures in several bottom-of-hole samples, with a number of samples occurring in clusters. Petrographic analysis has reported magmatic sulphides, including pentlandite and chalcopyrite.

Four drill-ready EM conductor plates have been defined from aircore drilling, airborne EM and ground MLEM surveys. RC drilling of the Mafic target in the southern end of the project commenced in April.

### ***Corporate***

The Company remains in a very strong financial position with cash, receivables and investments in listed companies totalling \$2.2 million.

## STRICKLAND GOLD PROJECT (AMD 100%)

During the quarter, Arrow announced the results from shallow fence line drilling completed at the T2d and T6 Prospects within the 100% owned Strickland Gold Project, located 125km north-west of Kalgoorlie in the Yilgarn Craton of Western Australia (*Figure 1*).

A total of 174 holes were drilled at the T6 Prospect for 8,500m, with results from the first batch of holes released on 22 November 2018. Assay results from the remaining holes have been received, with gold mineralisation intersected in nearly all holes along a 700m-long BIF-contact at the T6a Prospect.

At the T2d Prospect, 80 shallow aircore holes were drilled for 3,500m (average depth 45m) across a 3km-long sheared granite adjacent to the edge of the South Elvire Greenstone belt.

Significant gold intercepts from the drilling programme include:

- T6a – **3m @ 1.1g/t** from 25m and 3m @ 0.9g/t from 52m (STKAC0208);
- T6c – 12m @ 0.4g/t from 28m, including **3m @ 0.9g/t** from 37m (STKAC0230);
- T6d – **3m @ 2.3g/t** from 22m (STKAC0259); and
- T2d – **3m @ 0.7g/t** from 10m (STKAC0338).

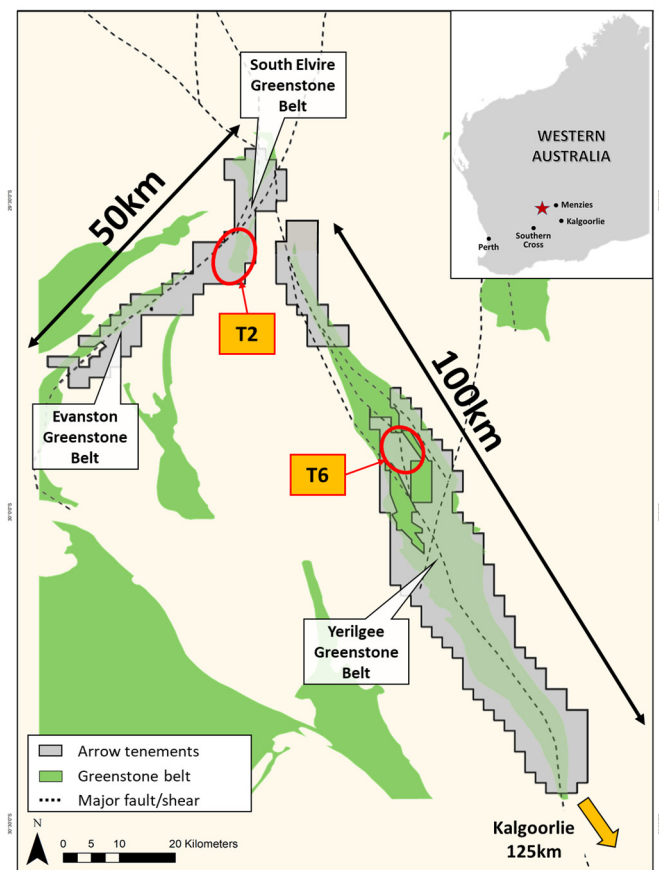
The fence line drilling programme was designed to follow up geochemical (gold-in-soil) anomalies and the results have confirmed several mineralised corridors, especially at T6a, T6c and T2d. Recently acquired aeromagnetic and ground gravity data will be used to further refine prospective target areas for deeper reverse circulation drill testing.

### T6 Prospect

Drilling at T6 was designed to test a number of gold targets defined by detailed soil sampling, previous wide spaced aircore drilling and lithostructural mapping. Drilling commenced over the T6c mineralised corridor, followed by fence lines over T6a, T6b and T6d (*Figure 2*). A total of 174 holes have been drilled for 8,500m. Arrow has previously released results from the first 83 holes at T6c, with intersections including **4m @ 8.5g/t from surface and 3m @ 7.1g/t from 26m**.

A total of 28 angled aircore holes for 1,650m (average depth of 59m) were drilled at the T6a Prospect, where previous drilling has identified gold mineralisation in a siliceous sulfidic unit within the lower BIF. Nearly all of the drill holes at T6a intersected gold mineralisation, with a second mineralised corridor identified. Mineralisation occurs along a north-south trending contact between an interbedded BIF/ultramafic unit and a large porphyritic intrusion.

The west-dipping BIF-porphyry contact has potential for down dip extensions and remains open to the west, north and south of the identified mineralisation.



**Figure 1: Strickland Gold Project location map**

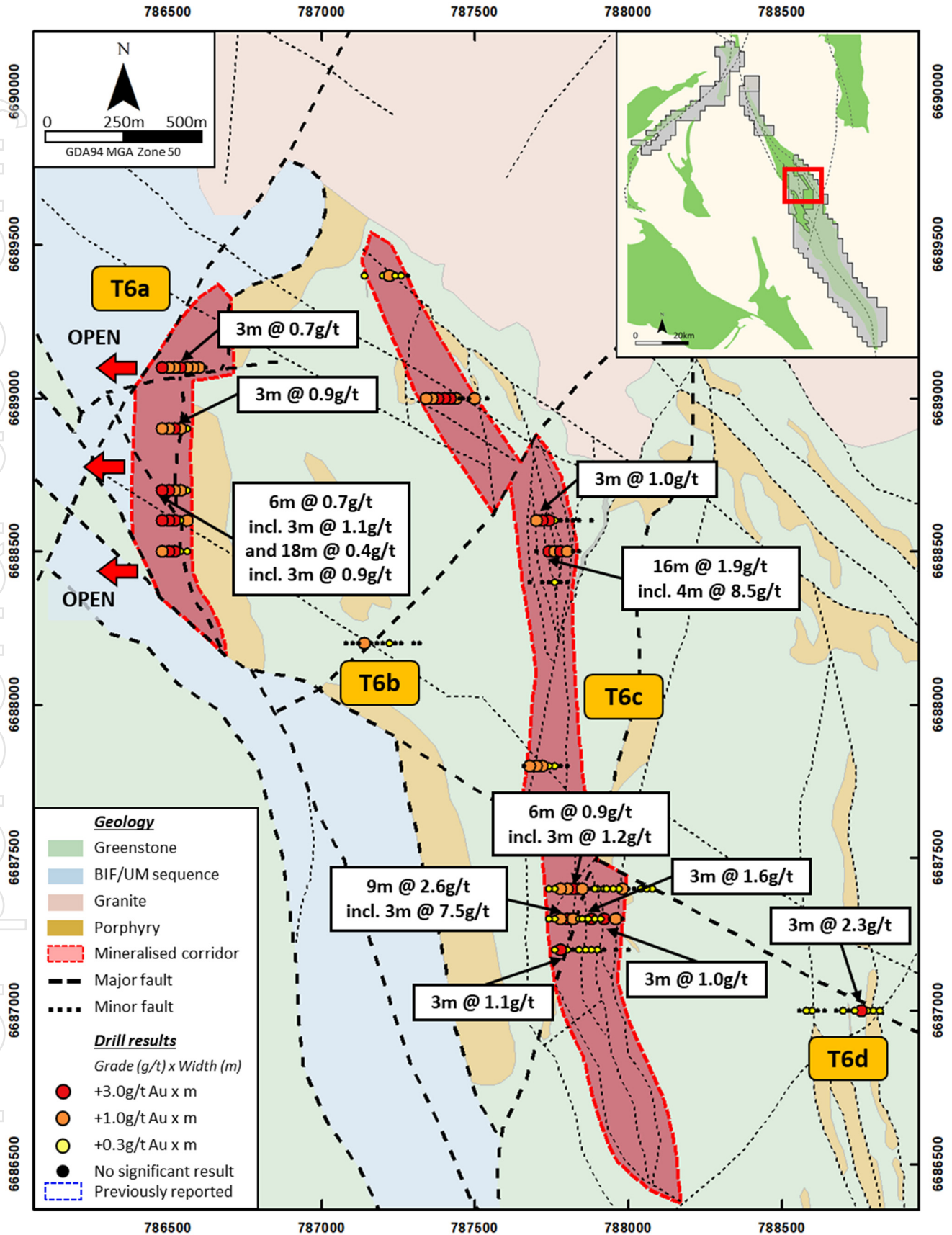


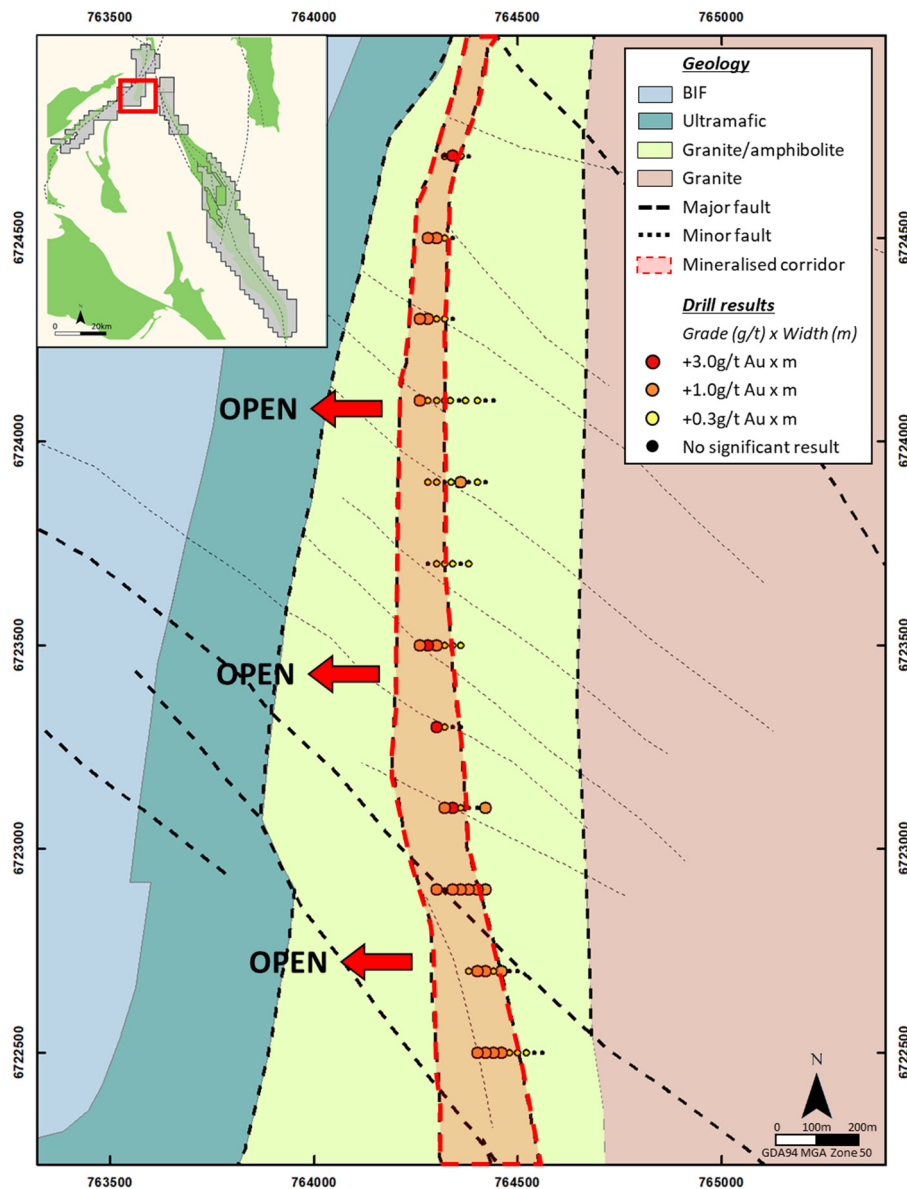
Figure 2: T6 Camp with mineralised corridor and significant drill results

## T2 Prospect

The T2 Prospect is located in the South Elvire greenstone belt adjacent to the regionally significant Evanston Shear. Arrow has completed 80 shallow aircore drill holes for 3,500m at the T2d Prospect (**Figure 3**), which is defined by a 3km long gold-in-soil anomaly directly overlying a sheared granite adjacent to the edge of the South Elvire Greenstone belt. The sheared granite has been mapped and contains rafts of mafic amphibolite and locally intense epidote alteration and quartz veining.

Drilling at the T2d Prospect was undertaken on 200m spaced lines, with angled holes drilled to an average depth of 45m across the sheared granite. Gold mineralisation was intersected in the majority of drill holes, with several holes returning +0.5g/t Au within 15m of surface. The best intersection was in STKAC0338, which returned 3m @ 0.7g/t from 10m.

The drill programme has confirmed gold mineralisation occurs along a regional-scale bend in the shear identified in ground gravity and high-resolution airborne magnetic data. Along this section, higher grade mineralisation appears to be controlled by a series of NW-trending faults intersecting the main shear at regular intervals. The T2d Prospect remains open to the west, north and south.

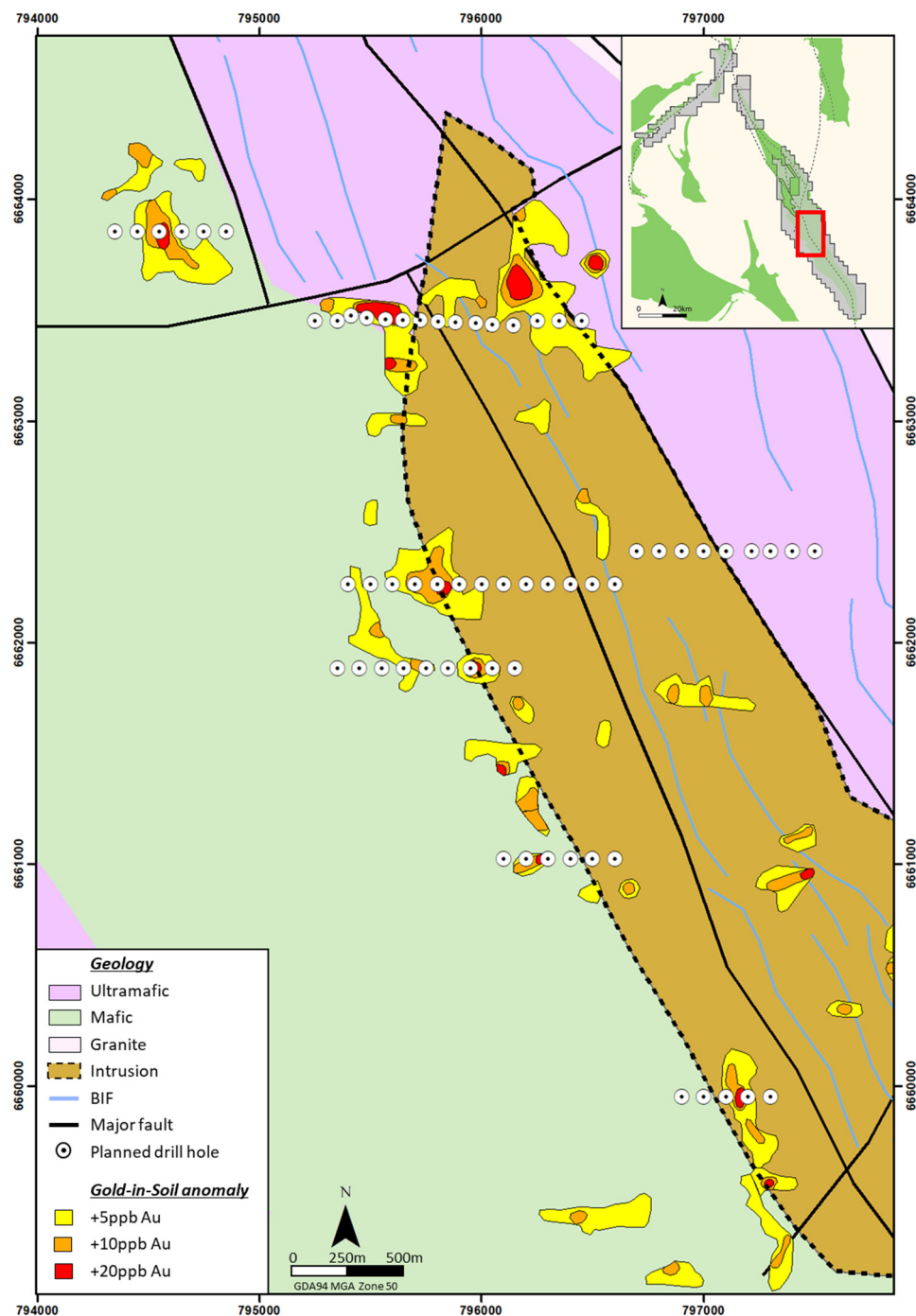


**Figure 3: Map of T2d Prospect showing drill collar locations and gold mineralisation**



## Maiden Drilling Programme Commenced at Helsinki Prospect

Subsequent to the quarter, Arrow advised that a 3,000m aircore drilling programme has commenced at the Helsinki Prospect, at the southern end of the T11 Prospect. The aircore drilling programme will consist of seven regional traverses (50 – 60 holes) across areas of localised higher-grade gold anomalism that coincide with lithological changes (**Figure 4**). The programme is designed identify the position of potentially mineralised structures for follow up drill testing in 2Q 2019. Assay results are expected to be received by the end of May.



**Figure 4: Helsinki Prospect with planned drill collar locations**

## PLUMRIDGE NICKEL PROJECT (AMD 49%, Independence Group NL 51%)

During the quarter Arrow provided an update on exploration activities at the Plumridge Nickel Project (**Project**). The Project is subject to a joint venture between Independence Group NL (ASX: IGO) (**IGO**) (51%) and Arrow (49%). IGO can increase its interest in the Project to 90% by sole-funding \$5m of exploration expenditure by January 2022.

The Project consists of eight exploration licences covering 2,500km<sup>2</sup> in the northern Fraser Range Province, approximately 200km north of IGO's Nova Ni-Cu-Co operations and 120km south of the Tropicana gold operation (**Figure 5**). IGO is the Project manager and is currently sole-funding all exploration activities.

### RC Drilling of Conductor Targets

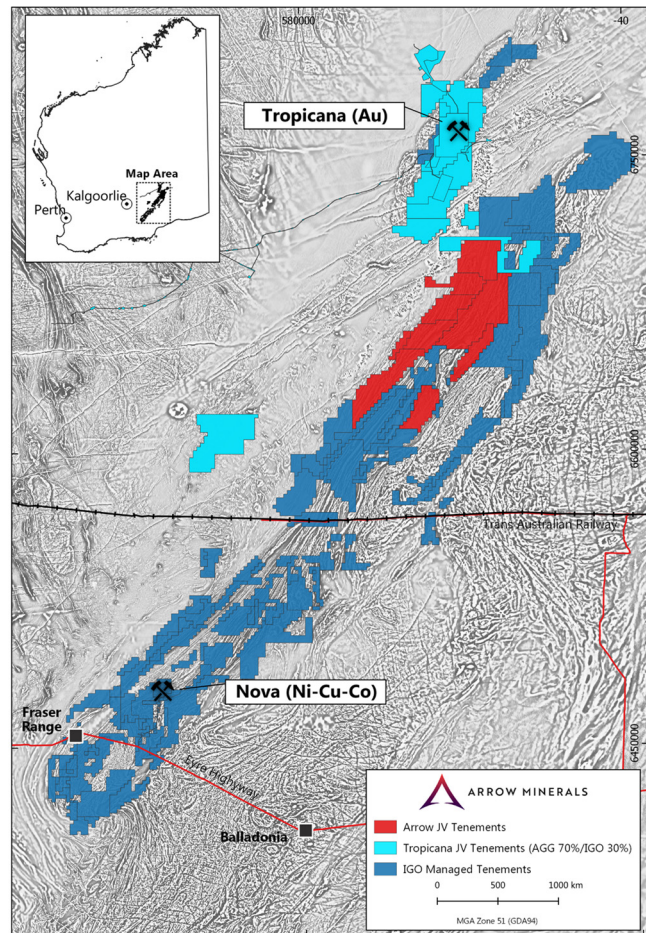
Subsequent to the quarter, Arrow advised that IGO had commenced a reverse circulation (**RC**) drilling programme to test four conductor plate targets. IGO has commenced drilling at the Mafic target in the southern end of the Project (**Figure 6**). The Mafic target has recently been identified by IGO, with a moving loop EM (**MLEM**) survey following up a 2018 Spectrem airborne electromagnetic (**AEM**) anomaly. Drilling will then be completed at the Perle, Mosaic and Narwhal targets.

These targets have been identified using a combination of AEM and MLEM surveys as well as first pass aircore (**AC**) drilling. The targets are considered prospective for Nova-style magmatic sulphide mineralisation (Ni-Cu) and Andromeda-style volcanogenic massive sulphide mineralisation (Cu-Zn).

IGO plans to drill at least one RC hole into each of the targets, with down hole EM surveys completed to assist with the detection of off-hole conductors that may represent additional drill targets.

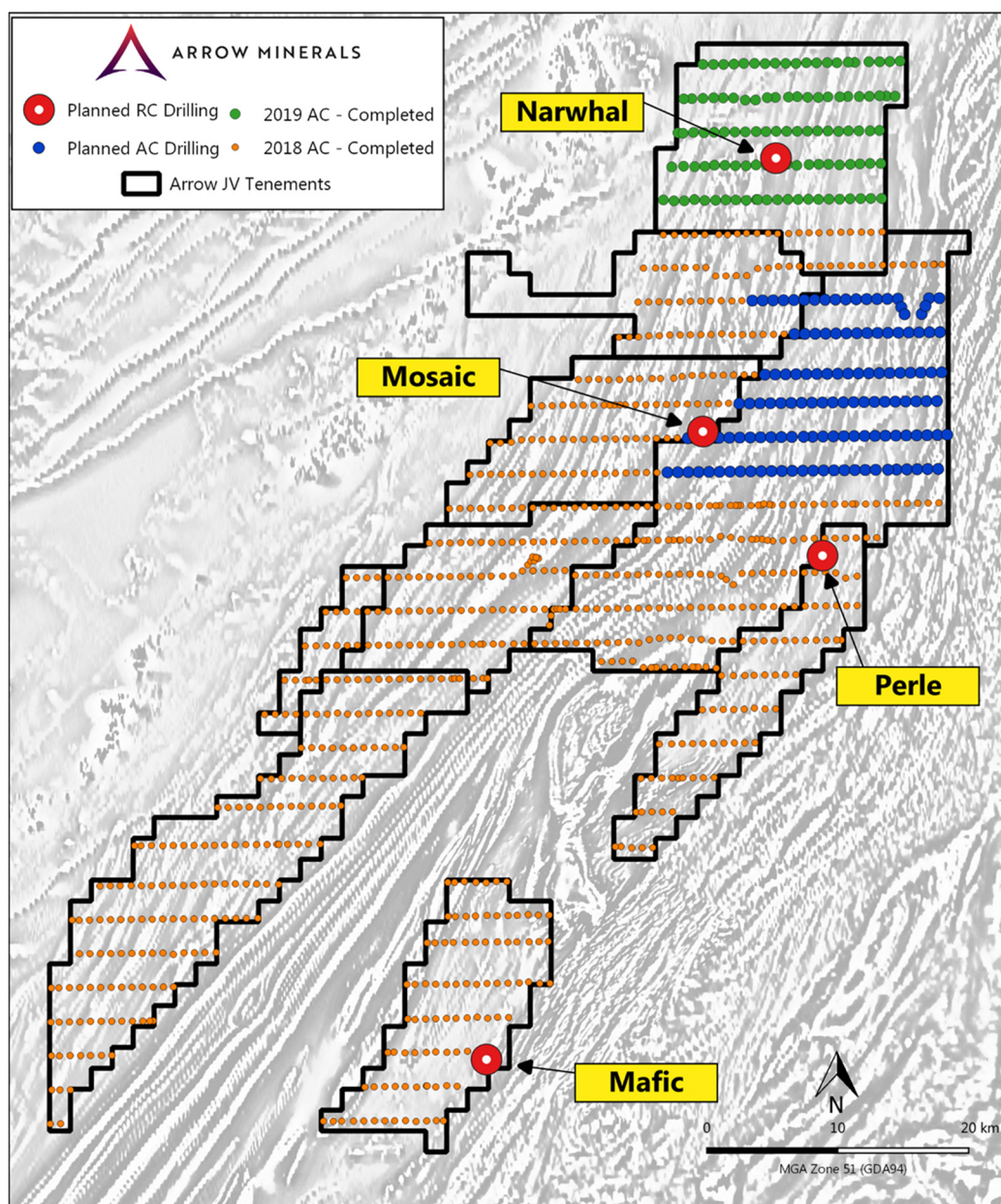
At the end of 2018, IGO had flown approximately 20% of the Project area with Spectrem AEM. The survey has recommenced and an additional 20% was flown in 1Q 2019. Conductors identified by the Spectrem AEM survey will be followed up with ground MLEM surveys.

The 2018 regional AC drilling programme identified several new target areas that require infill AC drilling to define favourable lithologies and/or geochemistry. The regional AC drill programme has also recommenced for the 2019 field season. The AC drilling programme is anticipated to be completed by the end of June 2019.



**Figure 5: Plumridge Nickel Project location map**





**Figure 6: RC drill targets and aircore drilling programme**

## CORPORATE AND FINANCIAL

### Financial Position

Arrow remains in a strong financial position with \$2.2 million in cash, receivables and listed investments. As at the end of the quarter, Arrow held cash of \$1.2 million, shares in Pacton Gold Inc. (**Pacton**) (TSX-V: PAC) with a market value of \$0.7 million (not including Pacton warrants) and has a receivable of \$0.2m, subject to the granting of two tenements which have been sold to Pacton.

### Appointment of Chairman

On 31 January 2019 Arrow advised that Dr Frazer Tabeart had been appointed Non-Executive Chairman of the Company. Dr Tabeart has been a Director of Arrow since 2014 and has extensive experience in international exploration and mining projects. Dr Tabeart is considered an Independent Chairman under ASX Corporate Governance Principle 2.5.

## Capital Structure

The current capital structure of Arrow is set out below:

### Quoted Securities

Ordinary shares on issue (ASX:AMD)	314,540,609
Quoted options exercisable at 10.0¢ on or before 31/12/2019 (ASX:AMDOA)	120,872,133

### Unquoted Securities

Unquoted options exercisable at 17.5¢ on or before 30/6/2019	8,571,408
Unquoted options exercisable at 7.0¢ on or before 31/12/2019	13,146,469

For further information visit [www.arrowminerals.com.au](http://www.arrowminerals.com.au) or contact:

### Arrow Minerals Limited

Mr Steven Michael

*Managing Director*

E: [info@arrowminerals.com.au](mailto:info@arrowminerals.com.au)

### Competent Persons Statement

The information in this report that relates to Exploration Results is based on information compiled by Dr Frazer Tabeart who is a Member of the Australian Institute of Geoscientists. Dr Tabeart is a Director of the Company 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". Dr Tabeart consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. Additionally, Dr Tabeart confirms that the entity is not aware of any new information or data that materially affects the information contained in the ASX releases referred to in this report.



**Appendix A – Schedule of Tenements as at 31 March 2019**

Tenement ID	Status	Interest at beginning of quarter	Interest acquired or disposed	Interest at end of quarter
<b>Strickland Gold Project</b>				
E16/495	Granted	100%	0%	100%
E16/498	Granted	0%	100%	100%
E30/503	Granted	0%	100%	100%
E30/488	Granted	100%	0%	100%
E30/493	Granted	100%	0%	100%
E30/494	Granted	100%	0%	100%
E77/2403	Granted	100%	0%	100%
E77/2416	Granted	100%	0%	100%
E77/2432	Granted	100%	0%	100%
E77/2570	Application	0%	0%	0%
<b>Malinda Lithium Project</b>				
E09/1618	Granted	35%	0%	35%
E09/2169	Granted	100%	0%	100%
E09/2170	Granted	100%	0%	100%
E09/2197	Granted	100%	0%	100%
E09/2198	Granted	100%	0%	100%
E09/2283	Application	0%	0%	0%
<b>Plumridge Nickel Project</b>				
E28/1475	Granted	49%	0%	49%
E28/2266	Granted	49%	0%	49%
E28/2267	Granted	49%	0%	49%
E28/2317	Granted	49%	0%	49%
E39/1084	Granted	49%	0%	49%
E39/1709	Granted	49%	0%	49%
E39/1710	Granted	49%	0%	49%
E39/1731	Granted	49%	0%	49%
E39/2088	Application	0%	0%	0%
E28/2889	Application*	0%	0%	0%
E28/2896	Application*	0%	0%	0%
E28/2900	Application*	0%	0%	0%
E28/2902	Application*	0%	0%	0%

\* Application is subject to a ballot.