



23 July 2018

ASX Announcement

DRILLING PLANS FINALISED AND INITIAL ROCK CHIP RESULTS FOR MORRISSEY HILL LITHIUM-TANTALUM PROJECT, WA

- **Program of Work for RC drilling at Morrissey Hill lithium-tantalum project submitted to the Western Australian Department of Mines, Industry Regulation and Safety**
- **Drilling program will test high-priority lithium and tantalum anomaly identified in most recent soil sampling program**
- **Rock chip assay results within anomaly grade up to 1.32% Li₂O**

Pure Minerals Limited (ASX: PM1) ("Pure Minerals", "the Company") is pleased to announce it has submitted an Exploration Program of Work (PoW) to the WA Department of Mines, Industry Regulation and Safety, seeking approval to begin Reverse Circulation (RC) drilling on tenement E09/2136 within the Morrissey Hill project.

The focus will be testing a high-priority anomaly that was identified in soil sampling (Pure Minerals New Release dated 28 June, 2018). More than 12 RC holes, totalling more than 1,000 metres over three drill lines, have been planned to test the anomaly (Figure 1, below).

The soil anomaly being targeted by drilling is a 5km long and 1.5km wide z-score (Li, Ta, Cs, Rb, Nb) anomaly (Figure 1, below). The anomaly has been truncated by SW-NE trending drainage. The planned drilling will occur to the northwest of this drainage.

Specific lithium and tantalum anomalies that overlap the z-score anomaly (Figure 2, below) are consistent with lithium and tantalum rock chip samples collected on site. Previous rock chip samples in Li-Ta anomaly registered grades up to 1.31% Li₂O and 238.7ppm Ta₂O₅ (refer ASX Announcement/Prospectus dated 5 May 2017 and the ASX Announcement dated 5 October 2017).

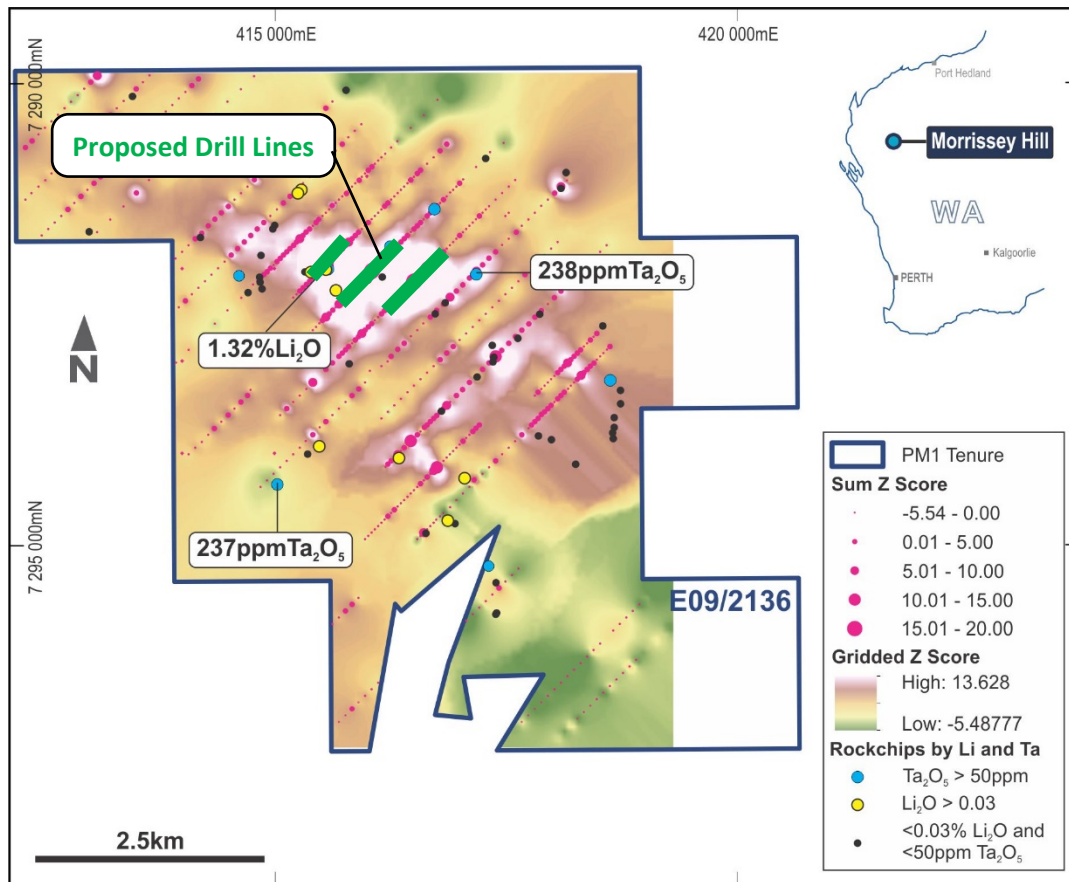


Figure 1: Proposed drill lines overlying multivariate Z-score (Li, Ta, Cs, Rb, Nb) soil anomaly, including highlighted rock chip samples (soil anomaly background map sourced from Pure Minerals News Release dated 28 June 2018).

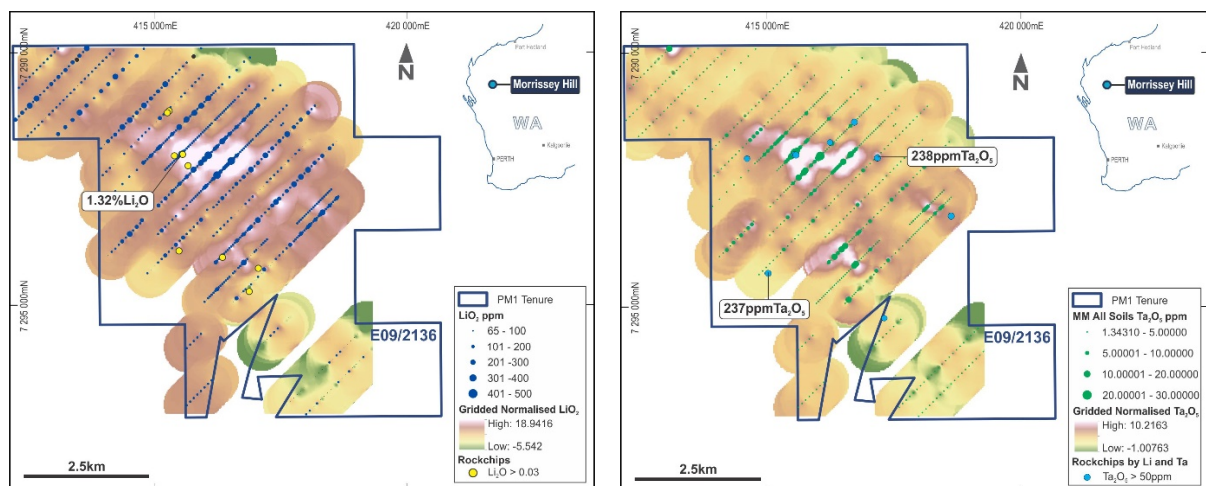


Figure 2: Soil anomalies of lithium (left) and tantalum (right), along with corresponding rock chip sampling results. A lithium-tantalum soil anomaly near the centre of the tenement is clearly evident, plus a smaller more tantalum-rich anomaly located 2km to the south of the main anomaly (Source: Pure Minerals News Release dated 28 June 2018).

The project area is known for its pegmatite occurrences, many of which have been historically mined for minerals such as beryl, mica and tourmaline. Lithium and tantalum have not been actively explored on the project area until recently. The Morrissey Hill project is located approximately 10km west of Arrow Minerals' (formerly Segue Resources) recent Malinda (formerly Reid Well) lithium discovery. Arrow Minerals completed a maiden reverse circulation (RC) drilling programme of four outcropping pegmatites in September 2017, intersecting up to 2.0% Li₂O (lithium) and over 800ppm Ta₂O₅ (tantalum).

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For and on behalf of the Board

Mauro Piccini, Company Secretary