

# TO INFINITY – The Lithium Way

ASX Announcement - 29 December 2023

### THE COMPANY



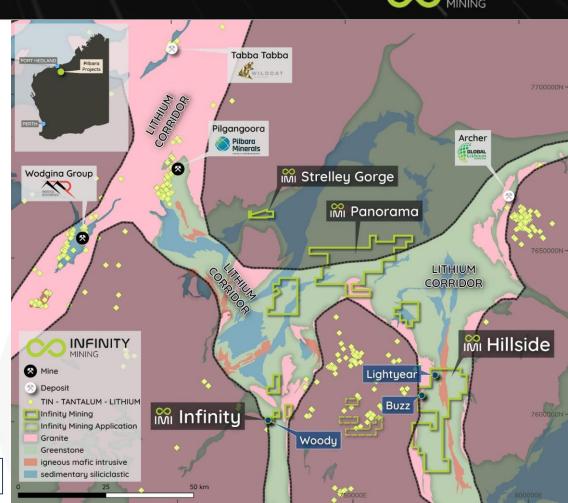
#### LITHIUM RESOURCE POTENTIAL IN 2024

Infinity's focus now [and beyond] is the **735** km² (41km² pending) of **sought-after tenements** it has acquired in the **world class Pilbara lithium province**. These tenements are highly prospective with recent new discoveries¹ justifying the company ramping up exploration for lithium.

The hyper-valuable lithium discoveries of Pilgangoora and Wodgina are within 100km of Infinity and have occurred in a Lithium Corridor, which is an area of the greenstone belt that is also within 10km of fertile granite (refer to Figure 5). Company making discoveries have also coincided with clusters of proven Tin-Tantalum-Lithium sites as seen on Figure 1 as 'yellow diamonds'2. Therefore, new and highly valuable lithium spodumene discoveries are likely to occur within this prolific Lithium Corridor.

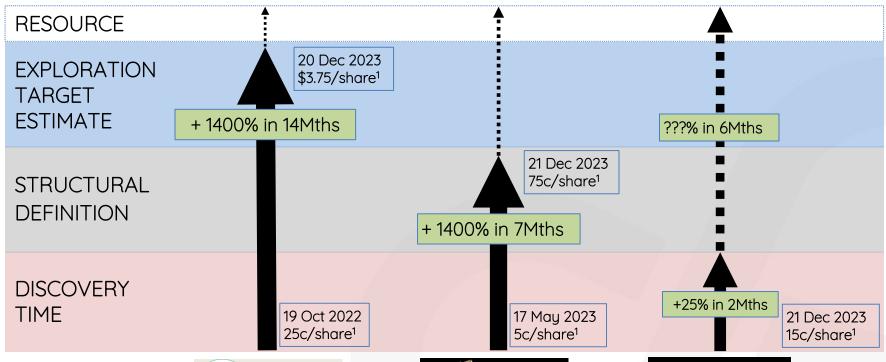


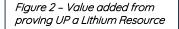
Figure 1 - The Pilbara Lithium Corridor



# UNLOCKING VALUE, THE PROVEN WAY















## FROM DISCOVERY TO RESOURCE



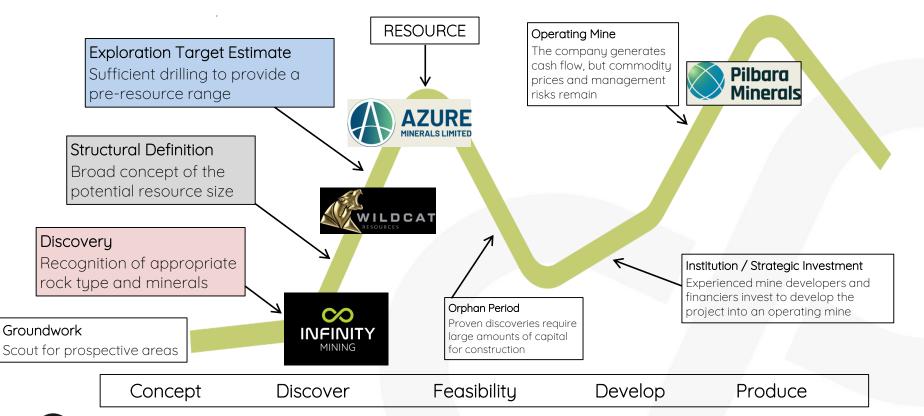




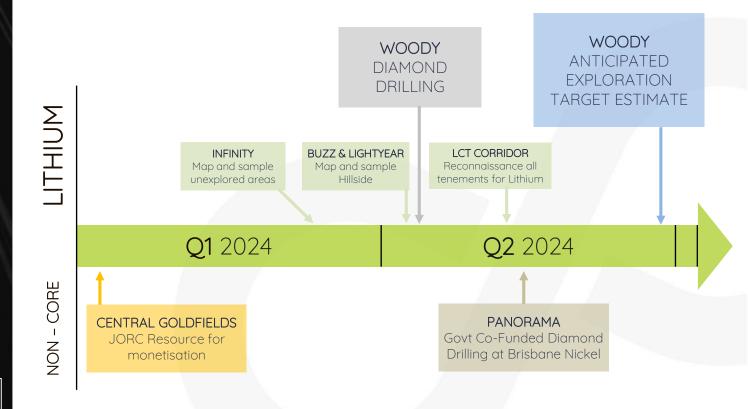
Figure 3 – Lithium Resource Delivery Lifecycle (& beyond)

# AGGRESSIVE EXPLORATION PLAN TO DELIVER



Figure 4 - H1 CY24 Exploration Program

#### 6 MONTH STRATEGY TO UNLOCK SIGNIFICANT VALUE



### WHY SWARMS MATTER



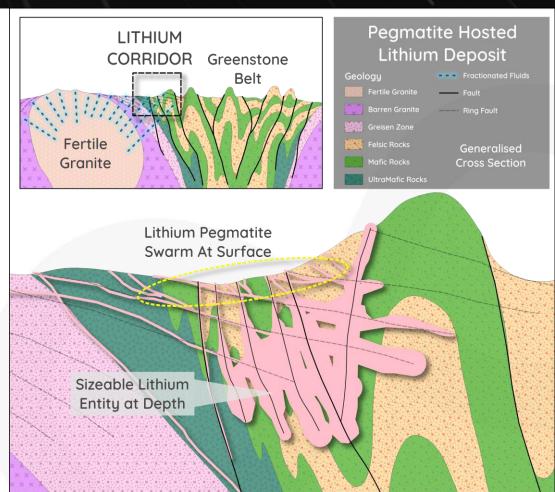
#### SWARMS POINT TO A LARGE RESOURCE

IMI recently announced **lithium in pegmatite swarms** from mapping and drilling results at its Woody Prospect<sup>1</sup>. The presence of these lithium bearing swarms likely **indicates** a **sizeable lithium rich entity at depth** (see Figure 5).

Lithium spodumene found at Infinity tenements is the dominant lithium mineral found in pegmatites exclusively associated with fertile granites and is the most widely exploited mineral source of lithium in the world. Spodumene is known for its relatively high purity and processability compared to other lithium-bearing minerals. High purity is crucial in the production of lithium chemicals for use in batteries, as impurities can affect the performance and safety of the batteries. The processing of Spodumene is relatively easy and cheap to produce the lithium concentrate required for batteries.



Figure 5 - Pegmatite swarms matter for Lithium



## THE INFINITY STORY...



#### ... WILL CONTINUE TO GROW

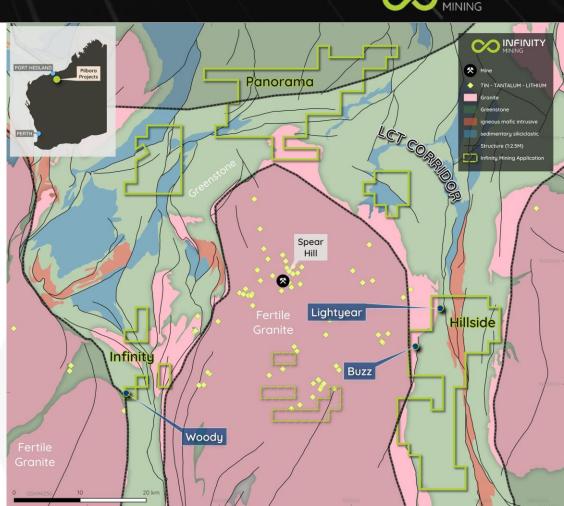
As highlighted by Figures 1 & 5 there is substantial evidence that underpins the Pilbara region (especially in the Lithium Corridor) as having all the right ingredients for further major lithium discoveries. Mapping and drilling results at the Woody Prospect have proven the presence of lithium pegmatite swarms<sup>1</sup>. These swarms are very likely to be surface expressions of a sizeable lithium rich entity at depth. Infinity anticipates its exploration plan to deliver a Lithium Exploration Target estimate by June 2024. Further geoscience work at surface across the Lithium Corridor is anticipated to provide further exciting discoveries.

T +61732211796

E communications@infinitumining.com.au



Figure 6 - Huge potential from unexplored areas



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Andrew Hawker is the consultant to Infinity and a Member of the Australian Institute of Mining and Metallurgy. He is a Competent Person as defined in the 2012 Edition of the Australasian Joint Ore Reserves Committee (JORC) Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves. Mr Hawker has reviewed and approved the technical information in relation to the Pilbara and Central Goldfields projects contained in this Presentation.