



## IRVINE GOLD PROJECT

### DEVELOPING RESOURCE OF ANALAGOUS STAWELL STYLE MINERALISATION

- **Mineralisation Remains Open at Depth:** The down-plunge extension confirmed to extend to 800m below surface.
- **Maiden Resource Announced in 2021:** Inferred Resource of 304 koz gold at 2.43 g/t, with additional incremental Exploration Target range 280-420 koz at 2-3g/t.
- **Proximity to Stawell Gold Mine:** Opportune position to leverage existing infrastructure

Aureka's flagship Irvine Gold Project is located in Western Victoria, 16km south of the Stawell Gold Mine. The company's tenure is in good standing with five granted tenements and a total of more than \$11.5M spent since the acquisition of the project in 2015.

The project area occupies the northern portion of the historic Ararat Goldfield which is estimated to have produced approximately 600 koz mostly from alluvial sources<sup>[1]</sup>.

The Irvine Gold Project is in the Mooranambool Metamorphic Complex (MMC) of the Stawell Zone. The MMC is a narrow belt of Cambrian turbidites and volcanic sequences with a dominant N-NW trend and is characterised by tight folding, cleavage development and high-angle faults. The MMC hosts the Stawell Goldfield which has produced 5.2 moz, including the currently operating Stawell Gold Mine which has produced 2.6 moz<sup>[2]</sup>.



Tenement	Size (km <sup>2</sup> )	Grant	Expiry	Comment
EL5476	120.29	25/02/2015	24/02/2025	Renewal pending
EL006525	0.11	06/03/2018	05/03/2028	-
EL006526	0.66	06/03/2018	05/03/2028	-
EL006527	0.15	02/03/2018	01/03/2028	-
EL006528	4.51	02/03/2018	01/03/2028	-

Gold mineralisation at Irvine is associated with a package of steeply west dipping sheared basalt (Simpson Basalt) and meta-sediments offset 50-80m from the eastern flank of a Cambrian basalt dome (Irvine Dome) which is located on the hinge of an F2 antiform. Gold occurs on or adjacent to the shear zone, typically on meta-basalt/meta-sediment contacts where the rheological contrast provides an ideal locale for shearing.

In March 2021 Aureka announced the maiden Mineral Resource for the Resolution and Adventure Lodes at the Irvine Project with a total inferred resource of 304 koz gold at 2.43 g/t, including an underground inferred resource of 146 koz gold at 3.12g/t. Drill spacing at Resolution has been designed and drilled on a nominal 80m x 80m grid, optimal for future upgrading of the resource. In addition, an Exploration Target\* of 280 – 420 koz gold at 2.0 – 3.0 g/t has been delineated by resource consultants MiningPlus, demonstrating increasing geological knowledge beyond the extents of

the Inferred Resource. Resolution remains the company's key focus at the Irvine Gold Project, aiming to upgrade and grow the underground resource. Mineralisation at Resolution is known to extend for 1500m of strike at surface and remaining open at a depth of 800m below surface. Other targets including the Resolution northern shoot and the Adventure north plunging shoots also remain open at depth.

Exploration activities in the coming years will focus on drilling the southern extension of Resolution shoot at

depth and infill drilling, aiming to grow the size and convert the existing underground resource to an Indicated Resource. Aureka also plans to conduct reconnaissance drill-testing on the western flank of the Irvine Dome in the vicinity of the historic New Eaglehawk and Native Youth Mines.

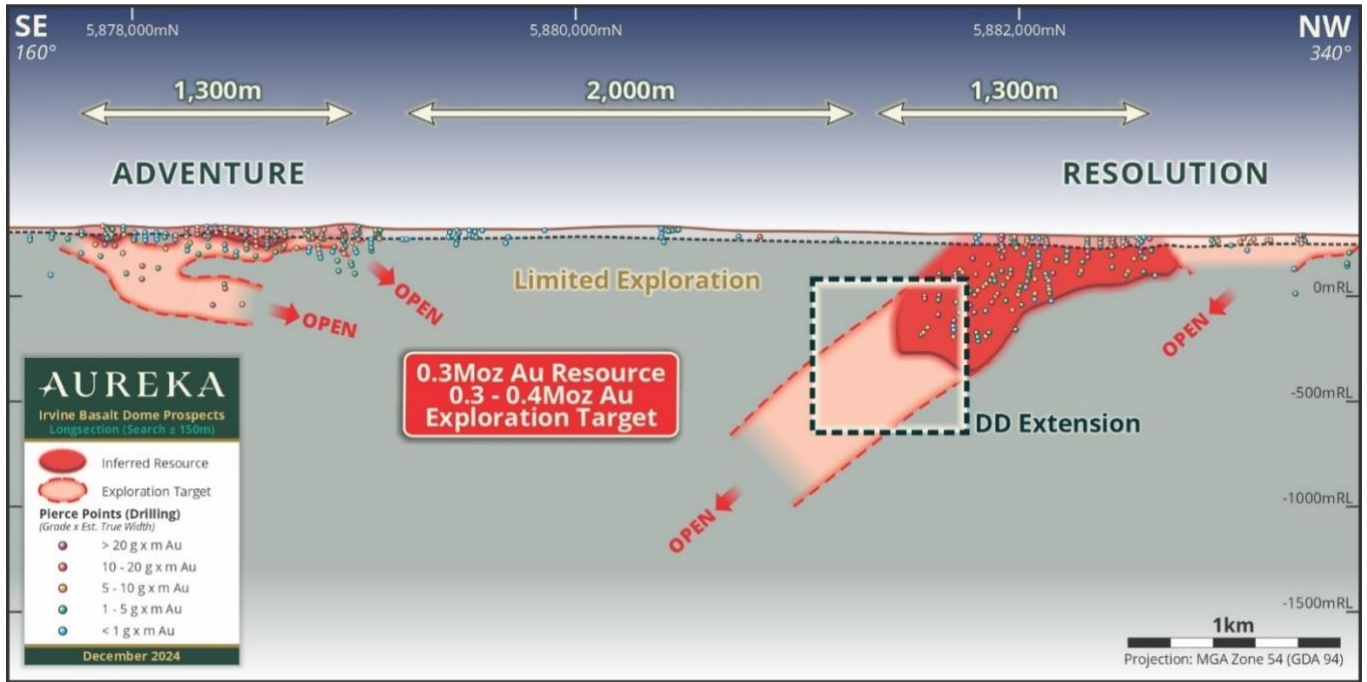
Land ownership at the Irvine Gold Project is mostly freehold land with some Historic and Bushland Reserve. Aureka has longstanding relationships with landholders in the area, some of whom have titles subject to the resumption of gold mining.

Mineral Resources for Aureka Resolution and Adventure Prospects				
Prospect	Cut-Off Gold (g/t)	Inferred		
		Tonnes	Gold Grade	Gold Ounces
Resolution OP	≥0.6	1,754,000	2.09	118,000
Adventure OP	≥0.6	680,000	1.85	40,300
<b>Total OP</b>	<b>≥0.6</b>	<b>2,434,000</b>	<b>2.02</b>	<b>158,300</b>
Resolution UG	MSO	1,455,000	3.12	146,000
<b>Total</b>	<b>Variable</b>	<b>3,889,000</b>	<b>2.43</b>	<b>304,300</b>

Prepared by MiningPlus. The preceding statements of Mineral Resources conforms to the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code) 2012 Edition. All tonnages reported are dry metric tonnes. Minor discrepancies may occur due to rounding to appropriate significant figures. Source: ASX release 30 March 2021.

Aureka Limited Resolution and Adventure Prospects Exploration Target			
Prospect	Exploration Target Range		
	Tonnes (Mt)	Gold Grade (g/t)	Gold Ounces (k Oz)
Resolution	2.4 - 3.6	2.0 - 3.0	200 - 300
Adventure	1.0 - 1.6	2.0 - 3.2	80 - 120
<b>Total</b>	<b>3.4 - 5.2</b>	<b>2.0 - 3.0</b>	<b>280 - 420</b>

\*The potential quality and grade of the Exploration Target is conceptual in nature and there has been insufficient exploration to estimate a Mineral Resource in relation to this Exploration Target. It is uncertain if further exploration will result in the estimation of a Mineral Resource in relation to these Exploration Targets. Exploration Target is exclusive of and is located next to the reported JORC Resource.

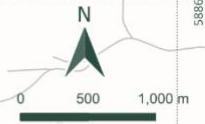


[1] Inan, K., 1990. Ararat 1:100 000 map economic geology notes. Geological Survey of Victoria Unpublished Report 1990/45

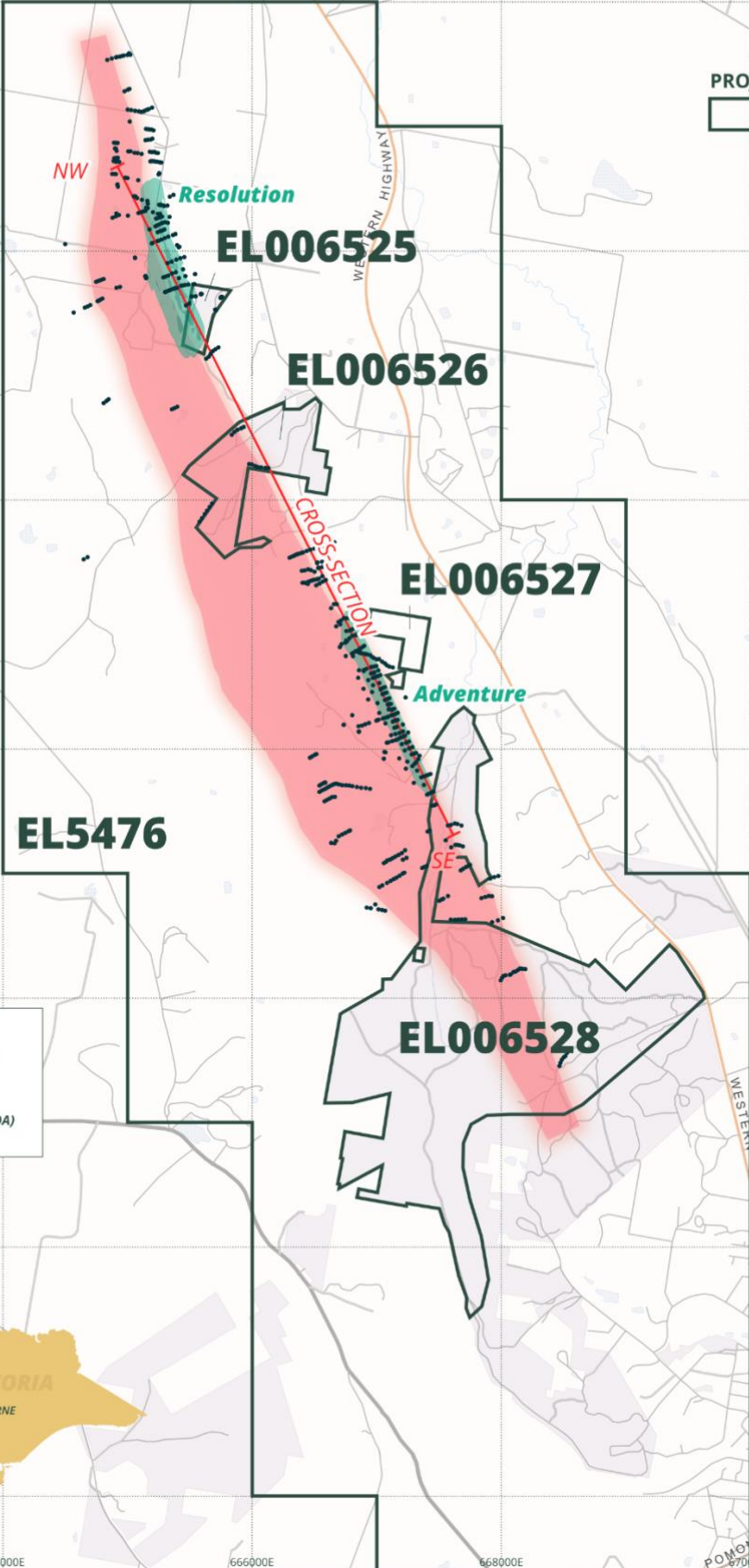
[2] Stawell Gold Mines, 2024. Stawell Gold Corridor Conference presentation. <https://stawellgoldminescommunityhub.com.au/wp-content/uploads/2024/11/stawell-gold-corridor-conference-stawell-gold-mines-271124.pdf>

\* ASX Announcement: Maiden Mineral Resource for Stawell Corridor Gold Project - 30 March 2021

# AUREKA IRVINE PROJECT



**PROJECT TITLES**  
 Granted



- Collars (Aureka)
  - Cross-section trace
  - Resource extents (Inferred)
  - Irvine Dome Basalt
- Constrained Land**
- Public Land Management 25 (MRSDA)
  - Restricted Crown Land



DATE: 03 JANUARY 2025  
 EPSG:28354; Projection: GDA94 / MGA zone 54

