



12 December 2025

## ECR MINERALS PLC

("ECR Minerals", "ECR" or the "Company")

### **Strong new drill results expand alluvial gold footprint at Blue Mountain and visible gold and near-term production potential confirmed**

ECR Minerals plc (AIM: ECR), the exploration and development company focused on gold in Australia, is pleased to report a highly encouraging set of alluvial drilling results from its Blue Mountain Project ("Blue Mountain") in Central Queensland. These drilling results continue to strengthen the case for near-term, low-cost alluvial gold production, with the drilling results confirming visible coarse gold and the expansion of multiple unmined gold-bearing creek flats.

#### **Highlights**

- Visible coarse gold recorded in multiple drill samples from the newly identified Upper Kariboe Creek alluvial flat.
- Continuity of mineralisation now mapped across approximately 250 metres of strike, with widths ranging from 6 to 35 metres.
- Grades exceeding the 0.15 g/b.c.m cut-off returned via 19 intersections, including standout results up to 6.52 g/b.c.m, typically indicating the presence of nuggety near-source gold.
- Wash-plant trial work at the Lower Patterson area continues to demonstrate practical mining grades averaging 0.35g/b.c.m, considered favourable to grades in operating alluvial mines across North Queensland.
- Multiple areas now identified as potential start-up gold production zones, including Lower Patterson, Upper Kariboe, Windmill and Roan Colt.

**ECR's Chief Geologist, Adam Jones, commented:** "These are some of the most encouraging alluvial results we've seen from Blue Mountain to date. Not only have we mapped a continuous gold-bearing corridor across the new Upper Kariboe Creek flat, we are now also consistently seeing visible coarse gold in multiple samples. That is always an exciting moment for a geologist, as coarse, nuggety particles typically indicate that you are close to the source and that the system has real strength."

"Our drilling has delivered far more than we initially expected. We set out to understand the gold trail and the host gravels, but the results are now giving us a clear picture of multiple unmined zones that have the potential to translate into a near-term alluvial production opportunity. The combination of strong drill grades, visible gold and the successful wash-plant trials at Lower Patterson is building genuine confidence that Blue Mountain has the scale and quality to support a commercially viable start-up operation."

#### **Summary of Drilling Program**

A total of 264 shallow drill holes were completed in August 2025 across the Upper Kariboe and Denny Gully areas. The objective was to identify shallow, mineable alluvial gold deposits suitable for cost-efficient production.

Each hole was drilled from surface to bedrock, with samples collected every metre and assessed for gold content, material type and the presence of visible gold. Concentrated gravel samples were fire-assayed at On-Site Laboratory Services in Bendigo, and gold recovered was used to estimate grammes

of gold per bank cubic metre (b.c.m) - which is considered to be the industry standard measure for alluvial mining viability.

Inevitably, gold particle size and distribution varies in alluvial systems, but the drilling campaign has provided a clear, reliable picture of the gold trail, allowing ECR to identify high-priority potential production zones with growing confidence.

### Latest Drill Results

These results come from a previously untested, unmined creek flat at Upper Kariboe Creek (See Table 1 and Figure 1). This area is now emerging as one of the strongest alluvial targets in the project to date and, as a consequence, represents a further potential extension of the potential production zones in the project area.

Key outcomes:

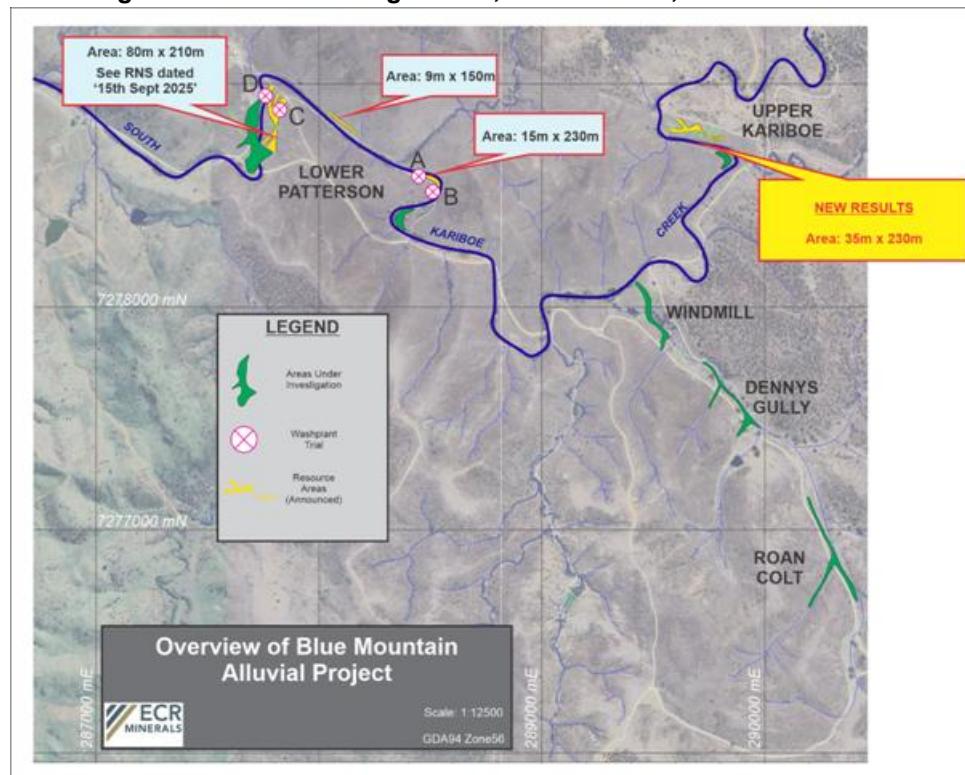
- 19 samples above the 0.15 g/b.c.m cut-off, ranging from 0.16 g/b.c.m up to 6.52 g/b.c.m
- Multiple high-grade intersections contain coarse, nuggety gold, suggesting proximity to a primary source
- Mineralisation appears to form a continuous, mineable corridor approximately 230 metres long, with widths between 6 - 35 metres
- This is the first area where ECR has confirmed larger visible gold particles, representing a significant step forward in confidence

**Table 1. Alluvial Drill Results for Significant Intercepts and Depths of Zones Tested (@ cut off => 0.15 g/b.c.m)**

Traverse	HOLE	FROM (metres)	TO (metres)	DRILLING INTERVAL (metres)	SAMPLEID	Au (ppm)	Au (mg)	Estimated average grade of mineralisation grammes per b.c.m
Section 28	S28H5	6	7	1	BMDC328	1600	67.7	6.52
Section 29	S29H6	6	7	1	BMDC357	2380	58.7	5.65
Section 27	S27H12	6	7	1	BMDC312	1630	40.5	3.90
Section 27	S27H1	3	4	1	BMDC374	1170	33.1	3.19
Section 33	S33H2	5	6	1	BMDC398	894	27.8	2.68
Section 29	S29H5	5	6	1	BMDC353	835	26.9	2.59
Section 27	S27H4	4	5	1	BMDC383	696	13.3	1.28
Section 29	S29H7	5	6	1	BMDC360	334	12.5	1.20
Section 31	S31H2	1	2	1	BMDC431	344	11.8	1.14
Section 32	S32H1	3	4	1	BMDC461	188	7.02	0.68
Section 27	S27H3	5	6	1	BMDC380	442	6.76	0.65
Section 30	S30H5	5	6	1	BMDC417	136	5.51	0.53
Section 29	S29H8	5	6	1	BMDC363	88.1	3.95	0.38
Section 29	S29H10	6	7	1	BMDC369	103	3.5	0.34

Section 33	S33H5	5	6	1	BMDC407	108	3	0.29
Section 32	S32H5	5	6	1	BMDC476	53.1	2.39	0.23
Section 27	S27H11	6	7	1	BMDC309	116	2.1	0.20
Section 33	S33H1	5	6	1	BMDC395	60.9	1.68	0.16
Section 28	S28H4	5	6	1	BMDC323	47.7	1.66	0.16

Figure 1. Overview of Target Areas, Blue Mountain, EPM27183.



### Wash Plant Trials (Lower Patterson)

To validate drill grades under more real-world conditions, four bulk samples were run through a trial wash plant at Lower Patterson (See Table 2 and Figure 2). These tests simulated future production and confirmed highly recoverable gold values.

#### Key results:

- Average trial grade: 0.35 g/b.c.m
- Consistent recovery across all samples, including those taken from drill-defined zones
- Coarse gold observed during processing
- Trial grades are considered favourable to third-party established alluvial operations currently running across North Queensland

Taken together, the drilling and wash-plant outcomes reinforce Lower Patterson as a commercially attractive start-up mining area, with potential for near-term development.

Table 2. Trial Wash Plant Results from the Lower Patterson Area (Locations referenced in Figure 1).

Location	Volume Processed (b.c.m)	Recovered Gold (grams)	Estimated Grade Wash Plant Trial (Au/b.c.m)	Indicated Drill Grade (Au/b.c.m)
A	1.25	0.52	0.42	N/A
B	1.0	0.49	0.49	N/A
C (Section 1 Hole)	1.0	0.23	0.23	1.14

C (Section 1 Hole 1)	1.0	0.20	0.20	1.14
D (Section 1 Hole 10)	1.0	0.26	0.26	0.49
<b>TOTAL</b>	<b>4.25</b>	<b>1.5</b>	<b>0.35</b> (Average trial grade)	

**Figure 2. Coarse gold particle size, Lower Patterson Area.**



#### **Peripheral Drilling - Expansion of Target Area**

Drill traverses at Windmill, Roan Colt and upper Dennys Gully have been completed, with further assay results pending in due course. Visible gold was noted during the preparation of several samples, and management anticipates that these areas may further increase the overall footprint with potential for near-term development. Of particular significance is drilling west of the original Lower Patterson flat.

Many of these peripheral areas show no evidence of historic mining, meaning ECR is the first to systematically test and map their gold potential.

#### **Review of Announcement by Qualified Person**

This announcement has been reviewed by Adam Jones, Chief Geologist at ECR Minerals Plc. Adam Jones is a professional geologist and is a Member of the Australian Institute of Geoscientists (MAIG). He is a qualified person as that term is defined by the AIM Note for Mining, Oil and Gas Companies.

#### **FOR FURTHER INFORMATION, PLEASE CONTACT:**

##### **ECR Minerals Plc**

Nick Tulloch, Chairman  
Andrew Scott, Director

Tel: +44 (0) 20 8080 8176

[info@ecrminerals.com](mailto:info@ecrminerals.com)

Website: [www.ecrminerals.com](http://www.ecrminerals.com)

##### **Allenby Capital Limited**

Nominated Adviser and Joint Broker  
Alex Brearley / Nick Naylor / Vivek Bhardwaj (Corporate Finance)  
Kelly Gardiner (Sales and Corporate Broking)

Tel: +44 (0) 3328 5656

[info@allenbycapital.com](mailto:info@allenbycapital.com)

##### **Axis Capital Markets Limited**

Joint Broker  
Lewis Jones

Tel: +44 (0) 203 026 0320

**SI Capital Ltd**

Tel: +44 (0) 1483 413500

Joint Broker

Nick Emerson

**Brand Communications**

Tel: +44 (0) 7976 431608

Public & Investor Relations

Alan Green

## **ABOUT ECR MINERALS PLC**

ECR Minerals is a mineral exploration and development company operating through two wholly owned Australian subsidiaries ECR Minerals (Australia) Pty Ltd ("ECR Australia") and ECR Minerals (Queensland) Pty Ltd ("ECR Queensland").

ECR Australia owns the Bailieston and Creswick gold projects in central Victoria, Australia as well as the Tambo gold project in eastern Victoria.

ECR Queensland has two approved exploration permits over the Blue Mountain alluvial gold project in central Queensland, Australia, which it is currently working to bring into production. It also has three approved exploration permits covering 946 km<sup>2</sup> over a relatively unexplored area in Lolworth Range in northern Queensland. Furthermore, ECR Queensland has also submitted a licence application at Kondaparinga which is approximately 120km<sup>2</sup> in area and located within the Hodgkinson Gold Province, 80km NW of Mareeba, North Queensland.

Following the sale of the Avoca, Moormbool and Timor gold projects in Victoria, Australia to Fosterville South Exploration Ltd (TSX-V: FSX) and the subsequent spin-out of the Avoca and Timor projects to Leviathan Gold Ltd (TSX-V: LVX), ECR Australia has the right to receive up to A 2 million in payments subject to future resource estimation or production from these projects.

ECR Australia also has approximately A 75 million of unutilised tax losses incurred during previous operations.

## **Glossary**

Au:	Gold
b.c.m:	Bank cubic metres (Metric)
g:	Grammes (Metric)
kg:	Kilogrammes (Metric)
km:	Kilometres (Metric)
km <sup>2</sup> :	Kilometre squared (Metric)
M:	Metres (Metric)

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