

14 October 2025

AI Enhanced Drilling Underway at The Highway Reward Copper-Gold Mine

Key Highlights

- **AI enhanced drilling is underway at the Highway Reward Copper-Gold Mine, Queensland, Australia – with past production of 3.65 Mt at 5.7% Cu and 260 kt at 4.5 g/t Au⁽¹⁾.**
- **The program, supported by VRIFY's AI-driven DORA platform, targets mineralisation in and around existing workings, with a focus on near-surface gold and unmined copper-gold zones.**
- **Drilling will add to the recently verified ~122,000m of past drilling that boasts significant unmined intercepts of copper-gold mineralisation, including:**
 - **33m @ 5.0% Cu** (PDR4000008)
 - **30m @ 5.1% Cu** (DDR4000006)
 - **38m @ 3.9% Cu** (RPHY0893)
 - **26m @ 5.0% Cu** (RPRE000774)
 - **2m @ 105.4 g/t Au** (PDR1000054)
 - **10m @ 17.7 g/t Au** (PDR1000047)
 - **10m @ 14.3 g/t Au** (PDR1000047)
 - **65m @ 1.5 g/t Au** (RPHY0816)
- **Loyal Metals is well-funded, with \$5.8 million⁽²⁾ available to advance Highway Reward's exceptional unmined copper-gold potential—one of the highest-grade copper and gold projects globally, with substantial exploration upside.**

Loyal Metals Ltd (ASX:LLM) (**Loyal, LLM**, or the **Company**) is pleased to announce that AI-enhanced drilling is now underway at the Highway Reward Copper-Gold Mine in Queensland, Australia—a site with past production of 3.65 Mt at 5.7% copper and 260 kt at 4.5 g/t gold. The drilling program, supported by VRIFY's AI-driven DORA platform, is targeting mineralisation in and around existing workings, with a particular focus on near-surface gold and unmined copper-gold zones. Building on approximately 122,000 metres of verified past drilling, the campaign aims to unlock Highway Reward's exceptional copper-gold potential. Loyal Metals is well-funded, with \$5.8 million available to support exploration at one of the highest-grade copper and gold projects globally.

Loyal Metals' Managing Director, Mr. Adam Ritchie, commented:

"We are excited to be at the forefront of exploration technology, deploying AI-enhanced drilling at Highway Reward. This approach is expected to deliver superior geological insights and support our goal of unlocking the full value of this world-class copper-gold asset for our loyal shareholders."



Image 1: Highway Reward Copper-Gold Mine – Mobilised drill rig position at the first AI-enhanced drilling location.

About VRIFY and the AI Dora Platform

Loyal Metals' AI-enhanced drilling program is powered by VRIFY's DORA platform—an advanced mineral exploration system that combines global datasets with project-specific inputs such as drilling, geochemistry, geophysics, and structural data. DORA applies machine learning to uncover overlooked mineral zones and generate deeper insights into mineralisation. Its vision-transformer models—conceptually similar to ChatGPT but trained on geoscience data—enable powerful pattern recognition across vast datasets. At Highway Reward, DORA is synthesising past exploration data with geophysical surveys to detect hidden mineralisation patterns and accelerate drill targeting.

This announcement has been authorised for release by Loyal Metal's Board of Directors.

For more information:**Adam Ritchie**

Managing Director

aritchie@loyalmetals.com

+61 (0) 403 462 383

About Loyal Metals

Loyal Metals Limited (ASX: LLM) is a well-structured listed resource exploration company with projects in Tier 1 North American and Australian mining jurisdictions. Through the systematic and technology enhanced exploration of its projects, the Company aims to delineate JORC compliant resources, creating value for its shareholders.

AI Enhanced Exploration

Loyal Metals is integrating artificial intelligence (AI) across its exploration workflow—from prospectivity modelling to investor engagement. The Company leverages VRIFY's DORA platform for intelligent drill targeting and geological modelling, and uses the Relait Investor Centre to deliver interactive project updates. Additionally, ChatGPT-powered tools are being trialled internally to support corporate communications, technical documentation, and operational planning. This multi-platform AI strategy positions Loyal Metals at the forefront of modern mineral discovery, enabling faster decision-making, improved resource definition, and more transparent stakeholder engagement.

Future Performance

This announcement may contain certain forward-looking statements and opinions. Forward-looking statements, including projections, forecasts and estimates, are provided as a general guide only and should not be relied on as an indication or guarantee of future performance and involve known and unknown risks, uncertainties, assumptions, contingencies and other important factors, many of which are outside the control of the Company and which are subject to change without notice and could cause the actual results, performance or achievements of the Company to be materially different from the future results, performance or achievements expressed or implied by such statements. Past performance is not necessarily a guide to future performance and no representation or warranty is made as to the likelihood of achievement or reasonableness of any forward-looking statements or other forecast. Nothing contained in this announcement, nor any information made available to you is, or and shall be relied upon as, a promise, representation, warranty or guarantee as to the past, present or the future performance of Loyal Metals Limited.

List of References:

- ¹ ASX LLM Announcement 02 July 2025- Loyal to Acquire The High-Grade Highway Reward Copper Gold Mine.
- ² ASX LLM Announcement 31 July 2025 –Quarterly Activities Report For the Quarter Ending 30 June 2025.