



ASX Announcement  
21 May 2025

# EXPLORATION ACTIVITY UPDATE

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## HIGHLIGHTS

### Killarney Project – Gold

- Preliminary **site visit completed** post execution of option agreement
  - additional rock samples collected, awaiting results
  - engaged with previous prospector who **mined 20kg of gold** from pit
  - mapping
- **Auger regolith sampling commencing the week commencing 26 May 2025**
- **Initial RC drill targets identified**
  - **Program of Works (PoW)** for RC drill program **submitted**, awaiting approval
  - RC Drill contractor engaged

### Barlee Project – Gold

- **Soil orientation survey over Barlee South gold in soil anomalies completed** to confirm historical sampling and determine most appropriate sampling technique
  - Samples at laboratory for analysis
  - Infill soil sample planning underway
- Engaged with station owner to determine most appropriate access routes for future activities including geochemical work, aircore drilling and RC drilling

### Next Steps

- **Auger drilling** - Killarney
- **RC drilling** - Killarney
- **Infill soil sampling** - Barlee

### Future Steps

- **Follow-up RC drilling** - Killarney
  - **Heritage Survey** - Barlee
  - **Aircore and RC Drilling** - Barlee
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**Duketon Mining Limited (Company or DKM)** is pleased to announce that additional work has commenced at both the Killarney Gold Project (see ASX Announcement 10 April 2025) and the Barlee Gold Project (see ASX Announcement 31 March 2025). As further work is completed and planned the Company intends to inform investors via ASX updates.

### **Killarney Project (Gold)**

A preliminary site visit has been completed at the Killarney Gold Project with Company representatives and a previous operator of the project. Additional rock chip samples from regional targets have been collected and submitted to the laboratory for analysis. Mapping over the project has been completed to determine lithologies and structures prior to any geochemical and target testing work. Company representatives also met with the prospector who originally mined the open pit on the project, discussing exploration and production history to assist with future exploration focus.

Upcoming works include auger geochemical sampling over the entire project, commencing the week commencing, 26 May 2025 and RC drilling. The POW has been submitted for the RC drilling program and is currently awaiting approval.

### **Barlee Project (Gold)**

A reconnaissance field trip has been recently completed at the Barlee Project. An orientation soil survey was completed over the historic gold in soil anomalies to determine the most appropriate sampling and assay method for future work. The samples are currently awaiting assaying and planning is underway to complete infill soil sampling to provide focus for air core drilling. This will define targets to proceed with RC drilling program in order to test these targets. The station owner was also engaged to determine the most appropriate access routes for future programs.

#### **Authorised for release by:**

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### **Competent Person Statement**

The information in this release that relates to exploration results is based on historical and current information compiled by Ms Kirsty Culver, Member of the Australian Institute of Geoscientists (AIG) and an employee of Duketon Mining Limited. Ms Culver has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity that is being undertaken to qualify as a competent person as defined in the JORC Code 2012. Ms Culver consents to the inclusion in the report of the matters based on the information in the form and context in which it appears.

### **Validity of Referenced Results**

The information in this report that references previously reported exploration results have been extracted from the Company's ASX market announcements released on the date noted in the body of the text where that reference appears. The previous market announcements are available to view on the Company's website or on the ASX website ([www.asx.com.au](http://www.asx.com.au)). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcements. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.