Mendooran Drilling Project
– potential for basement intercepts under cover

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About the Mendooran Drilling Project

• Regional coal resource assessment program
• Five cored holes
• Designed depth range from 250 m to 600 m for approximately 2350 m of drilling
• Coal seams in this area can occur very close to basement therefore each borehole is designed to intercept basement.
Background

• Part of an ongoing program by the NSW Government to assess the state’s coal resources

• The data is used to inform decisions regarding:
  - land use planning
  - Potential new coal exploration areas being considered by the Advisory Body for Strategic Release
    – strategic release framework
Why Mendooran?

• Limited coal resource information available on the Mendooran area.

• Relatively close to existing mining operations in the northern part of the Western Coalfield.
Drillhole locations

DM Yarragin 1
DM Richardson 1
DM Wallaroo 1
DM Mirrie 2
Current drilling progress

- Three holes completed with bottom of hole intercepting volcanic rocks
- One hole suspended in basin sediments due to adverse ground conditions
- DM-Wallaroo-1 and DM-Richardson-1 both appear to have intercepted a flow banded Rhyolite unit, likely to be Rylstone Volcanics
- DM-Mirrie-2 completed, appears to have intercepted silicified volcaniclastic rocks.
Bottom of hole DM Richardson 1
Bottom of hole DM Mirrie 2
**Bottom of hole geology**

- Intercepted Permian?? Volcanics
- Interpreted as Rylstone Volcanics.
Rylstone Volcanics

- Mapped distribution of Rylstone Volcanics
- Rylstone Volcanics host the Bowdens Silver Project.
Potential under cover

- Potential for these Carboniferous to Ordovician basement units beneath basin
- Mineralisation potential
- Looking Glass Project
- Bowdens Silver Deposit.
Using coal drilling – basin margins
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