

Geotechnical investigations fact sheet

The Wave (Rail)

What are geotechnical investigations and why are they needed?

Geotechnical investigations help us to understand the type and strength of ground conditions to ensure the safe design and construction of The Wave (Rail).

This involves the drilling of boreholes and excavations for test pits with soil samples being collected and sent to laboratories for testing and analysis.

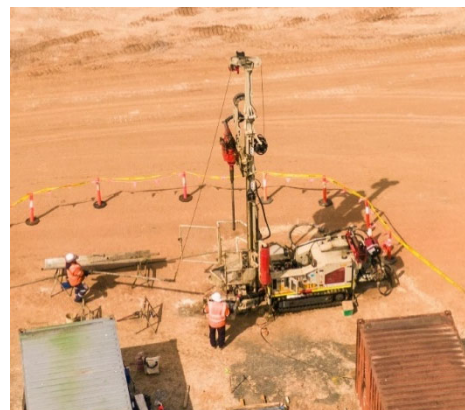
Geotechnical investigations are conducted during the early design phases by specialist subcontractors and consultants contracted to the Department of Transport and Main Roads (TMR).

Geotechnical investigations for The Wave (Rail) project commenced in mid-2024 and were carried out between Beerwah and Birtinya as part of preliminary works. These investigations are expected to continue until 2026.

Investigations will occur mostly within the proposed rail corridor. These investigations may also occur in areas nearby or adjacent to the corridor such as open spaces, parks, footpaths and road reserves. These activities are carefully planned and undertaken with appropriate permissions and community consideration.

Investigations usually occur during daylight hours with multiple vehicles and machinery operating onsite. TMR obtains all necessary land access agreements and permits prior to beginning geotechnical investigations.

The geotechnical information will be used to develop a profile of the ground conditions, which will inform the detailed design and construction methodology for the project.



Geotechnical investigations rig at work near Nirimba.

More information

Stay up to date with the latest information about The Wave (Rail) or sign up to receive updates when the detailed design is available.

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All information contained in this communication is accurate at the time of distribution.

