

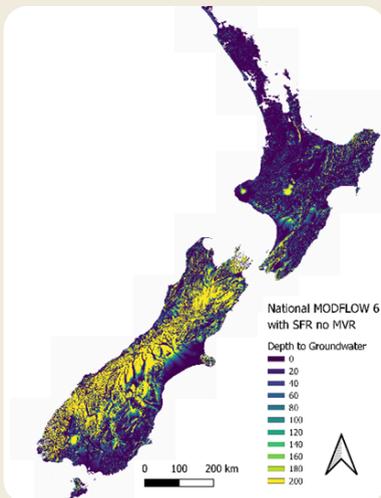


Factsheet 04

# Te Whakaheke o Te Wai

## National Groundwater Model

A national-scale groundwater modelling framework has been developed that links with the rapid creation of localised groundwater models (see Factsheet 9). The model provides a national overview of groundwater levels, and groundwater - surface water interaction. It provides the foundation for more decision-specific regional and local models, as well as information required for national policy. The ultimate goal is that the model will enable protection of freshwater in New Zealand, while managing and building resilience to threats such as climate change and land use intensification.



Inputs to the national groundwater model include:

- geology and soils
- climate
- surface water hydrology
- groundwater levels.

The National Groundwater Model has also provided the groundwater component of the NZ Water Model - Hydrology (NZWaM-Hydro) led by NIWA.

