

Te Hiku water study

Update August 2024

The project team is making progress with the analysis of data about the Aupōuri aquifer.

In late 2022, SkyTEM equipment was used to collect airborne electromagnetic data. This data was collected along flight lines 200 - 300 m apart. Data processing and resistivity modelling has now been completed on the data, providing resistivity model information spaced 25 m apart along the flight lines, and down to an average depth of 350 m.

To understand the hydro-geological information contained within these resistivity models requires expert analyses supported by datasets such as geological maps and borehole logs. This hydro-geological interpretation is now well underway. This interpretation includes mapping locations of saline groundwater, classifying the geological formations based on their water storage and transmission capacity and identifying shallow features. These elements will be combined together to create an overall 3D subsurface picture, which can be used to model groundwater resources.

The project will produce a series of hydrogeological maps and a much-improved 3D hydrogeological model for the peninsula, before the end of next year (2025).

The project team is currently underway with scoping the numerical groundwater modelling task, in collaboration with the Te Hiku Project Team, which will be the final component of the planned AIA programme work in the area.

Get in touch

Please contact us if you have any questions. Contact us via the website www.aquaintel.co.nz or via our Facebook Aqua-Intel-Aotearoa page.

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