

# Wakapuaka Floodplain Modelling, Nelson

## Client

Nelson City Council.

## Projects

The Wakapuaka Floodplain is an area of pasture at the foothills of the Glen with a history of flooding.

Nelson City Council required a computer model of the hydraulic behaviour of the floodplain which could be used to model various preservation and development scenarios. A complex hydraulic model was developed and calibrated, and has since been used by Council to manage preservation of the Wakapuaka Sandflats. It has also been an important tool for Council as they plan for future development in the area.

## Services provided

- Commissioning of a high-definition aerial survey
- Hydraulic modelling and calibration
- Estimates of flood levels and flooding extents
- Ongoing scenario modelling.



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