



1 Adrenaline hit on the River Rush course. 2 Users plunging down the waterfall on a raft. 3 Patrons using the main lake area.

## VECTOR WERO WHITEWATER PARK

Jacobs for Second Nature Charity Trust

Project Location: Auckland



Vector Wero Whitewater Park is world class recreational and training facility located in the heart of Manukau City, south of Auckland. The park comprises of two high quality and safe whitewater courses, a 300m long international standard course and a 200m long recreational course, plus an artificial purpose built waterfall.

The course layout was developed by international specialist consultants “Whitewater Parks International” (WPI). The park was developed using innovative world class design and engineering together with modern innovative construction practices to create a state of the art facility providing variable safe water conditions to suit a range of user groups.

A combination of stabilised clay lining and water retaining concrete design were used for the main lake, courses, ponds and pump stations. Seven variable speed drive pumps discharge the contents of an Olympic size swimming pool down the courses approximately every two minutes. Conveyors safely transport rafts and kayakers from the main lake up to the course starting ponds and are capable of transporting rafts with up to ten people in them.

The facility was officially opened by the then Prime Minister John Key on 27 April 2016 and has since been used for international competitions, professional and recreational whitewater visitors, school and youth development programmes, as well as swift water training and awareness programmes.

Jacobs (formerly SKM) were engaged by Second Nature Charitable Trust to provide structural, mechanical, electrical and hydraulic engineering design for the proposed development.

Jacobs wishes to acknowledge the support provided by RCP project managers and Creative Spaces architects in preparing this submission, and also to Simon Devitt who provided a number of the photos used in this submission, including the cover image.

### Judging & Copyright Statement

This project is an entrant in the 2016 INNOVATE NZ Awards of Excellence competition. The winners will be celebrated at our Awards Gala Dinner on Saturday, 12th August 2017 in Taupo.

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