

## Reference Project

## Bridge Construction

### 75m long suspension bridge at the entrance to the proposed Puketaha 3350 hectare fenced eco sanctuary

<b>Location</b>	Wainuiomata river at Puketaha eco sanctuary
<b>Date</b>	June 2022
<b>Client</b>	Greater Wellington Regional Council
<b>Consultant</b>	Abseil design crew and Malcolm Nielsen MNCE

The proposed Puketaha eco sanctuary will be another major draw card and tourist attraction for the Greater Wellington region. Abseil Access were engaged for the full design and build package for the entrance bridge.

#### The work included:

- Design and engineering of the 75m bridge with a load capacity of 20 person groups.
- Width of 1200mm and suitable for pedestrians passing both directions and meeting the NZ HB8630.
- 75m deck with tower placed on the lower terrace and the deck spanning through to the higher terrace
- Aesthetic design and integration into the environment.

Abseil Access were engaged directly by Greater Wellington following the success of the Pakuratahi and the Birchville bridge design and build contract. The new bridge installed with minimal damage to the native bush and Wainuiomata river.

Main cable anchors are attached to 20T buried concrete blocks. The 10m towers, positioned on the lower terrace, allow the 75m deck to fit tightly into space between the access roads on the upper terraces.

The bridge successfully underwent a 7T load test

