

Project: Kaituna Hydro Schemes
Client: Hydro Energy Ltd/Mighty River Power Ltd
Location: Kaituna, Bay of Plenty
Date: 2003 – 2005

RILEY undertook a preliminary hydrological, geotechnical and civil engineering investigations for a cascade of proposed hydro-electric power stations along the Kaituna River, Bay of Plenty.

The study included the analysis and correlation of available hydrological records to derive 'natural' and power station generation flow records at the proposed power station sites.

Reporting included:

- ❖ Scheme concept suitable for the difficult terrain
- ❖ Concept design for RCC dams
- ❖ Identification of dam sites
- ❖ Geological inspection by abseiling geologist
- ❖ Outline dam design for gorge cross section
- ❖ Cost estimate for civil components
- ❖ Hydrology of river for flows at each site
- ❖ Flood hydrology

