

Project: Hurunui Water project
Client: Hurunui Water Project Ltd
Location: Hurunui

The Hurunui Water Project proposes to irrigate land in the Amuri Basin, Omihi, and Scargill Valley, with storage provided by a control of Lake Sumner outflows, construction of a dam on the Hurunui South Branch and river intake near the Mandamus River confluence.

RILEY was engaged to undertake a study into the engineering aspects of the proposed scheme to provide supporting information for a resource consent application.

The project included:

- ❖ Geological mapping and geophysical testing as the initial step in obtaining subsurface information.
- ❖ Comparison of various dam localities and types, and related height versus storage relationships.
- ❖ Development of conceptual dam design.
- ❖ Comparison of various gate types and locations for the Lake Sumner outlet.
- ❖ Consideration of hydrological issues, including flooding during construction and permanent spillway types and dimensions.
- ❖ Assessment of applicable design standards and criteria.
- ❖ Identification of key areas for further investigation and/or assessment.
- ❖ Assessment of construction issues.

For further information on the services we can provide refer to our web site or please contact us.

