

Motupiko Water Augmentation Study, Nelson

Client

Motupiko Water Augmentation Committee,
(comprising local farmers in the Motupiko
Catchment area and Tasman District Council).

Project

To undertake an assessment of potential dam sites in the Motupiko Catchment near Nelson. The study was carried out with Landcare Research New Zealand. Sufficient water storage is required to meet the needs of the local farmers for crop irrigation.

Services provided

- Desk top study to identify potential dam sites; Identified 17 small dams (<1Mm³), five medium dam sites (1 to 5 Mm³) to and two large dams (>5Mm³)
- Short listing to five dam sites based on:
 - Available water in the catchment
 - Approximate storage capacity of each site
 - Geology and location
 - Current land use
 - Potential environmental effects
- Cost estimates for the construction of each of the five short listed dam sites
- Final short listing of two dam sites and revised construction costings
- Tonkin & Taylor's findings were presented to the Motupiko Water Augmentation Committee, Tasman District Council and at a public meeting in Tapawara.



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