

## Detail on proposed Dam

Dam Construction	Concrete faced rockfill Dam
Size of reservoir	13.4 million m <sup>3</sup>
Use of water	70% for extractive users and 30% for environmental flows i.e. to enable the residual flow in the Waimea River to increase from 800 litres per second (l/s) without the Dam, to 1,100 l/s with the Dam.
Lake size	65.9 ha (total footprint 87 ha)
Dam height	52m
Construction time	Approx. 3 years
Estimated projected cost (including expenditure to date)	\$82.5m
Nelson City Council expenditure to date	\$413,000
Time to fill	1 – 3 months
Area the Dam will be able to service (with urban water use converted to equivalent ha)	7,765 ha
Hydro-power	Design includes future ability to generate power if it became economic
Current proposed Governance Model	Council Controlled Organisation
Operational costs per annum	\$1.4 million