

# ABSEIL ACCESS LTD

## Reference Project

### Swing Bridge Refurbishment

Location: Scone Hut, Perth River,  
South Westland

Date: Sept 2009

Client: Department of Conservation



Scone Creek and the Perth River meet at the Scone Hut, deep in the Southern Alps. Lower Scone bridge spans 75 metres and Redfields spans 54 metres. Both were built in the 1970s by the New Zealand Forest Service.



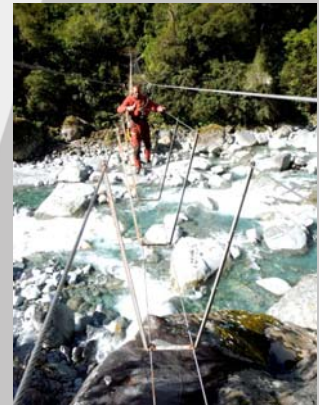
Abseil Access Ltd won the tender to refurbish both these old six-wire swing bridges. The design was by DoC engineer Jon Calder.

The four main anchors on each side were replaced with 600mm epoxy eyes. Each of the six main 9mm cables was replaced with 10mm galvanised cable. The hangers were reused and stayed in place throughout the work. All fittings were replaced with 316 stainless steel. The walking mesh was replaced and the aluminium treads were re-used.



Two tons of equipment was flown in and the crew of two stayed at Scone Hut for the two weeks duration. Both bridges were successfully load tested to 700kg.

The Abseil Access bridge building crew completed the project within the allocated time, proving that refurbishing the bridges was less than half the cost of replacing them.



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