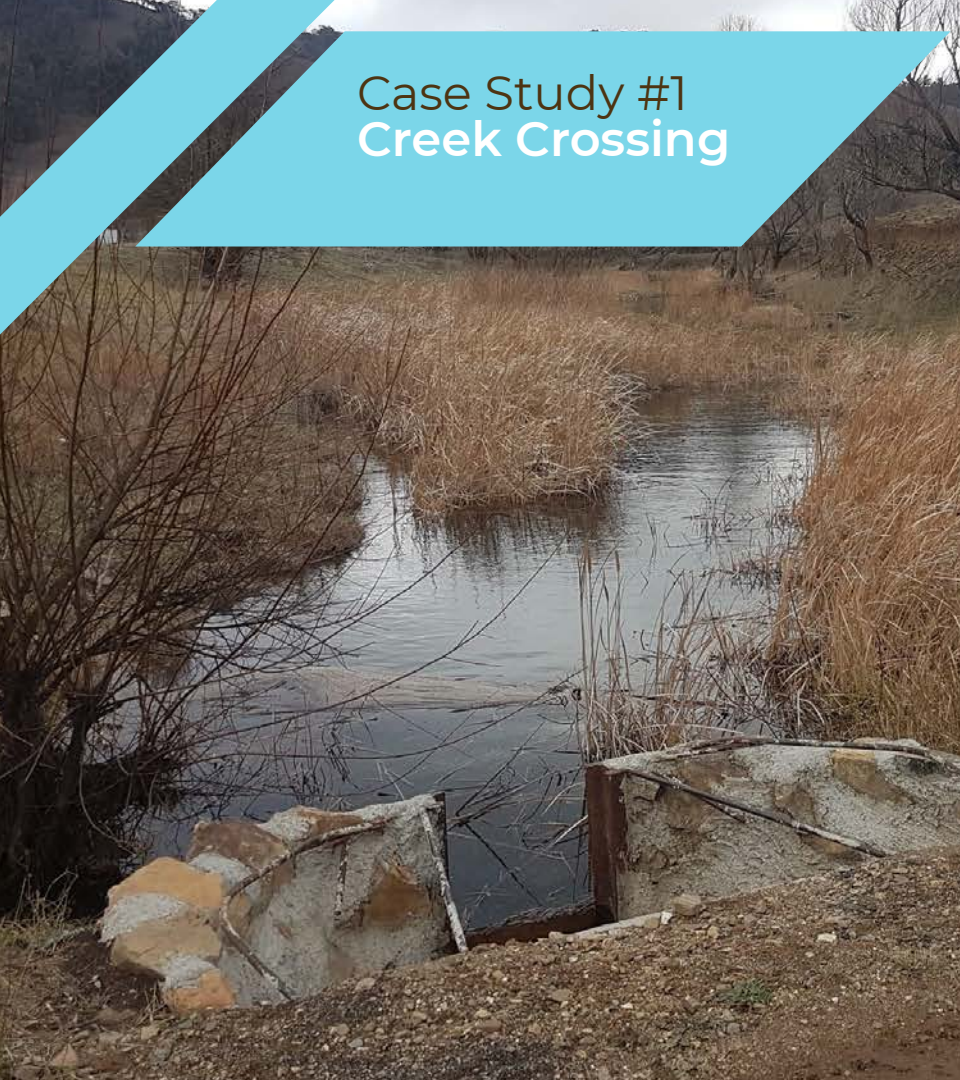


# Case Study #1 Creek Crossing



## **Integrated intervention**

A creek crossing for high-volume farm traffic became an opportunity to create an NSF intervention to:

- Repair a steep erosion channel
- Establish a durable creek crossing
- Provide all-weather access - eg after rain events

## **Bank, pond sequence and crossing to slow the flow**

The 800m long stream restoration created a pond sequence with a de-energising bowl and flow control upstream of the crossing, modification of the stream bank and stream flow, reed re-location, and a building a bespoke culvert. The process included battering and terracing the bank to reduce the slope, revegetation of the bank, repurposing of living materials from the bank into the crossing for the culvert approach.

## **Protected crossing, hydrated landscape**

All aspects of the intervention worked together to stop erosion, protect the crossing, manage overflow and hydrate the landscape.

*Designed by Peter Andrews. Implemented by Scott Middlebrook.*



Construction  
2016-2017

Case Study #1  
Creek Crossing





Completed -  
upstream

Winter  
2018

Case Study #1  
Creek Crossing





Completed -  
downstream

Winter  
2018

Case Study #1  
Creek Crossing





Getting the  
flow right

Summer  
2017

Case Study #1  
Creek Crossing





High rainfall -  
short time

Summer  
2018

Case Study #1  
Creek Crossing







## High Performance Landscapes

NSF Design & Implementation  
Case Studies

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