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Rehydrating Australia

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were widespread.

Angora goats with kids

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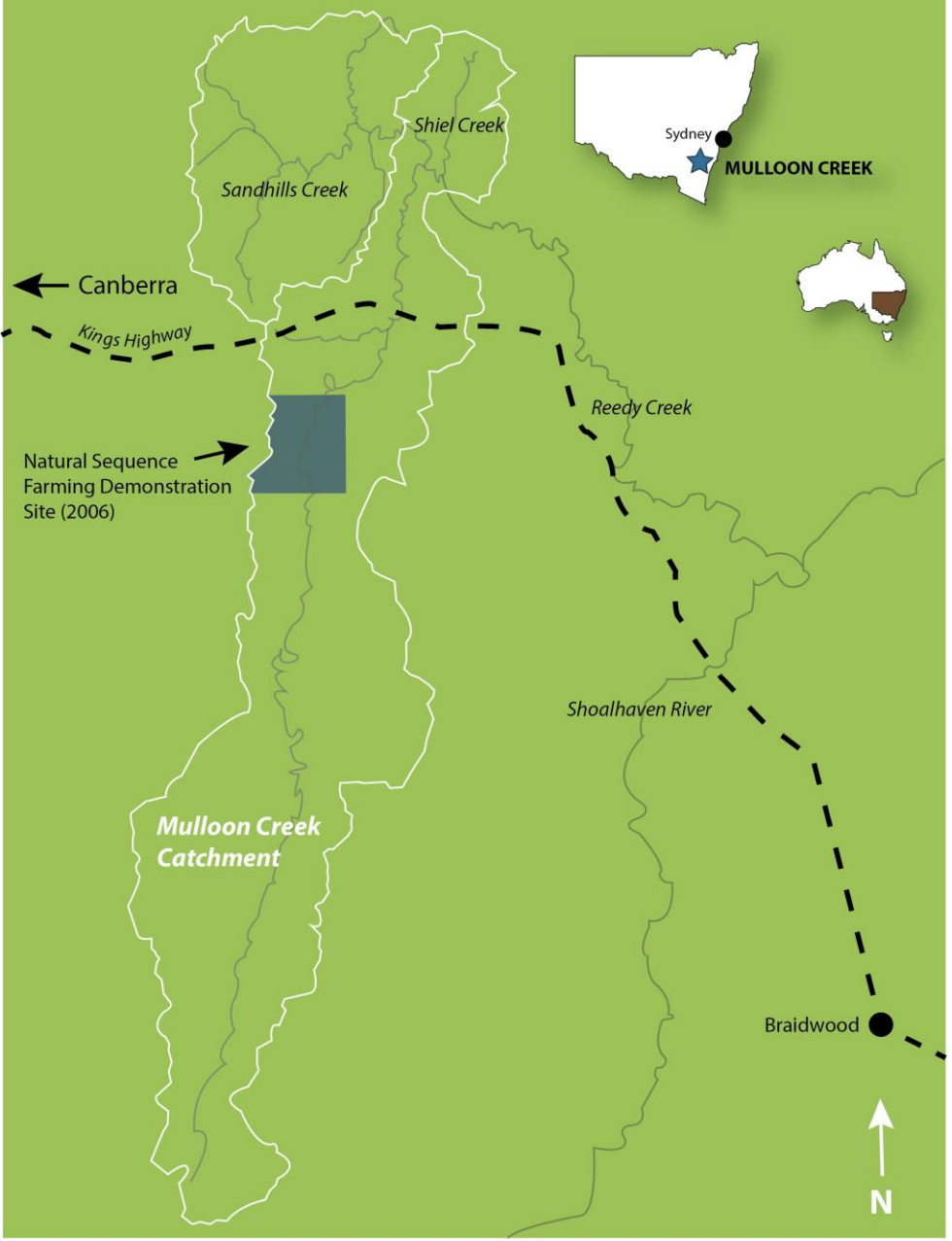

Mulloon Rehydration Initiative

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Scale: 1:160,000

5,000 2,500 0 5,000 metres

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- Mulloon Rehydration Initiative (MRI)
  - 23,000 ha across 23 properties
  - Hydrological monitoring
- Mulloon Creek Natural Farms
  - 35,000 chickens on regenerative pastures + 80,000 eggs weekly
  - Beef cattle
- Mulloon Consulting
  - Landscape rehydration and erosion repair projects across Australia
- Education curriculum
  - Community tours, workshops and professional development

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MRI hydrological and climate monitoring

- Cibolabs- satellite products
- 2 climate weather stations
- 31 soil moisture sites
- 6 stream gauges
- 80 groundwater piezometers
- Data to be publicly available

The Mulloon Rehydration Initiative

23
landholders

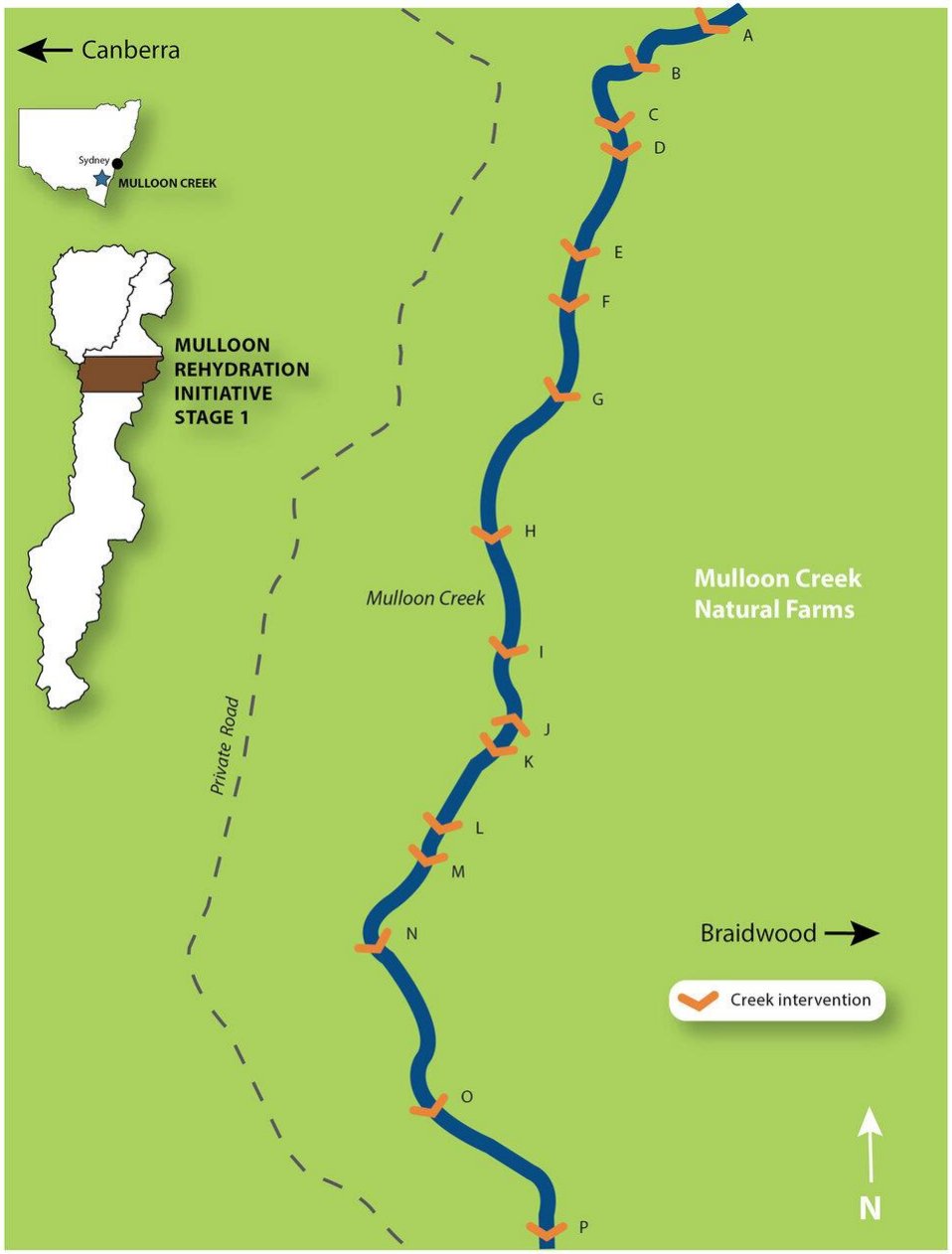
23 ,000
ha of catchment

50
km of creeks

40,000
Plants planted and regenerated

11
Species of rare & threatened birds benefitting

20
Yellow-spotted Bell Frogs released



Leaky weirs in the Mulloon Rehydration Initiative – Stage 1

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Scale: 1:7,000

300 150 0 300 metres

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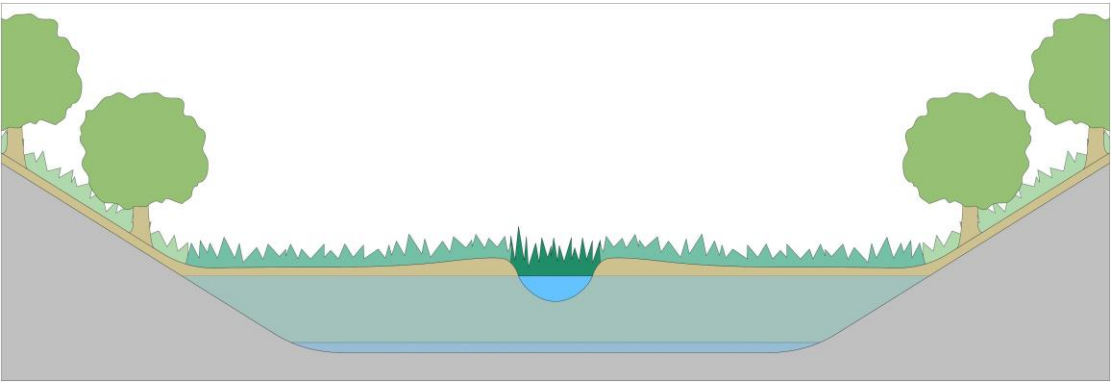
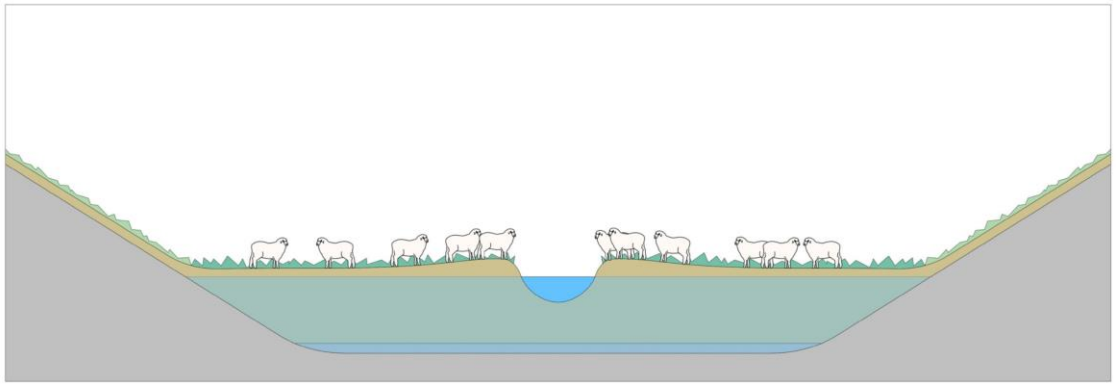
- Pilot project commenced in 2006
- 3 km of creek
- 12 creek structures

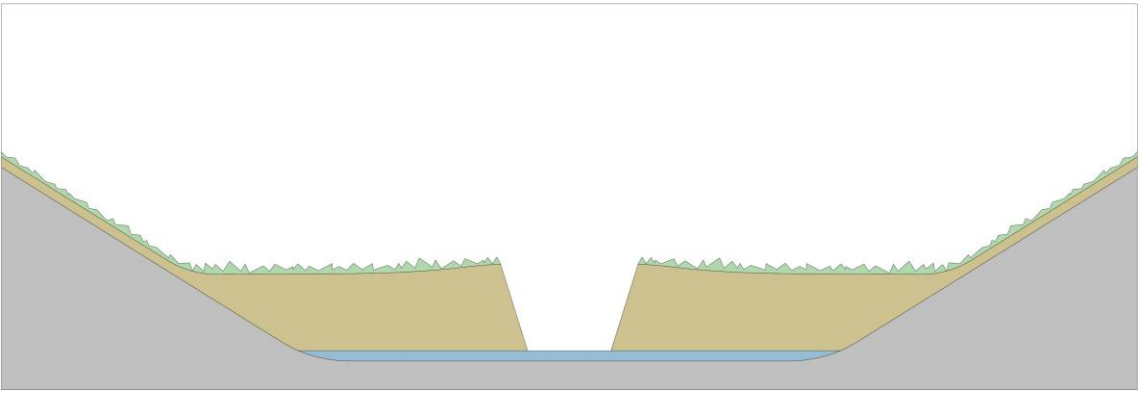
Mulloon Creek, NSW



An intact chain-of-ponds.



European agriculture.



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After channel incision.

- Systemic changes since the arrival of European agriculture.
- Removal of trees and grazing pressure drives erosion.
- Hardened catchment and lowered water table

Home Farm, NSW

Peter's Pond

2005

2006

2011

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Home Farm, NSW

2006

2018

Peter's Pond, 2006

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Duralla, NSW

Mulloon Creek Crossing

February 2020

March 2020

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Duralla, NSW

Top contour tree plantings

2018

2021

Westview Farm, NSW

November 2018

December 2018

December 2020

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Mt Pleasant Station, QLD

2019

2020

An initiative of the NQ Dry Tropics' Landholders Driving Change 'Exploring New Incentives' program. LDC is a Burdekin Major Integrated project funded by the Queensland Government through the Queensland Reef Water Quality Program.

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Brush weir

- Slows water down
- Captures sediment
- Helps plants to establish

2020

2022

We're working with...

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Australian Government

Vitasoy

Government of Western Australia

natural resource management program

NQ DRY TROPICS

Territory Natural Resource Management

National Landcare Network

NSW Government | Local Land Services

Industry

Australian Government | National Landcare Program

HydroTerra
Environmental Monitoring Specialists

RCS

Accounting for Nature

umwelt
Environmental & Social Consultants

Education

Australian National University

University of Canberra

RMIT University

The Scots College
Sydney Australia

Muresk Institute
Cultivating Modern Agriculture

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Mulloon

Rehydrating the Nation

Thank you

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