

Water for livestock workshop



Providing safe and reliable access to clean water for livestock production and environmental benefits.

Date: Wednesday 30 November 2022
Time: 8:30 am to 2 pm
Location: Pumpenbil, ex-permaculture property turned cattle farm, Bundjalung country (address provided on registration). Morning tea and lunch provided.

Join our special guests and network with other graziers to learn more about stock watering systems and sustainable ways to better manage water across the farming landscape.

Topics

- Resilient and holistic farm design for water management
- Optimising water infiltration for landscape health
- Sustainable stock watering systems including solar pumps, header tanks and gravity fed troughs
- Swales, springs and sediment traps
- Biodiverse dams and wetlands
- Landholder water rights and obligations



John Button

John Button is a holistic landscape designer and educator with more than 40 years of experience working across 18 countries. John trained under the late co-founder of permaculture Bill Mollison in the 1980s. John draws upon many farming philosophies with “the aim being to marry people with place and drive abundance and resilience”. John will be sharing his experience on ways to better manage water across the farming landscape.



John Quayle

John Quayle, a conservation-minded grazer, will be hosting the field day at his Pumpenbil property – Mariefields. The farm was once home to the late permaculture co-founder Bill Mollison, who constructed all manner of dams, contour swales and tree contour plantings some 30 years ago. Mr Quayle has been transitioning the farm into a cattle grazing property with a focus on protecting natural areas, enhancing wildlife corridors and improving pastures through rotational grazing and multi-species pasture improvement trials.

Grundfos Pumps Pty Ltd

A representative from Grundfos Pumps will provide a demonstration of their solar pump setup and take questions on everything solar pumps and more.



Jobec Pumps Pty Ltd

John Inglis from Jobec Pumps is a local pumps and irrigation installer who will demonstrate how to set up a cheap and simple gravity fed trough system using water from a dam or water source.

Melissa Hundy

Melissa Hundy is a Water Regulation Officer for Water NSW who will discuss harvestable rights, water licencing and approvals.



Aiden Sloman

Council’s Sustainable Agriculture Officer, Aiden Sloman, will discuss the benefits of good water management for cattle production and health and look at the benefits of a local wetland cattle exclusion and restoration case study.



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Program

Morning

8:30 am Welcome and sign on

8:50 am Introductions

9 am **John Quayle:** Property owner welcome and farm history.

9:15 am **John Button:** Water management for drought preparedness, productivity and healthy landscapes.

Key concepts of how to manage water:

- Farm design
- Minimising runoff
- Ground cover and trees
- Waterway buffers

Ways to slow, capture and retain water:

- Springs, bores and dams
- Swales and contours
- Plantings
- Soils
- Rooves and other catchments

10 am **Aiden Sloman:** Key water infrastructure considerations for rotational grazing:

- Trough design
- Trough location and maintenance

10:30 am Morning Tea

10:50 am **Melissa Hundy:** Water harvesting rights for stock and domestic use and Q&A.

11:15 am **Grundfos:** Solar pumping demonstration and Q &A.

Afternoon

12 pm BBQ Lunch

12:45 pm Farm walk and talk with irrigation specialist **John Inglis (Jobec Pumps)** and **Damien Rose (ROHR Pty Ltd)** to discuss stock watering options, and technical aspects such as pipes and fittings, and for gravity fed troughs from storage points.

2 pm Close

For further information and to register, visit
tweed.nsw.gov.au/agriculture-farming



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