



WISEwaterways

A Workshop in Rural and Urban Stream Management Principles and Practices

28 October - 1 November 2024

Venue: The Grand Oaks Resort, Beechworth

Presented by

North East Catchment Management Authority
Department of Energy, Environment and Climate Action
Confluence Group
Centre for Freshwater Ecosystems – La Trobe University
River Basin Management Society
Alluvium Consulting
Streamology
Charles Sturt University
Water Technology

KEYNOTE ADDRESS

Testimonial: Sonia Cooper and Mitch Jones

Water Country, Law and Knowledges

Sonia Cooper

Sonia Cooper, a proud Yorta Yorta woman, was raised by her grandmother on Cummeragunja, NSW. Deeply connected to her culture, Sonia lives and works on Country, dedicating her career to a rights-based approach and the intersection of various protections but extends that knowledge to bring others on the journey. Her focus includes cultural law, water law, chemical science, and assessing cultural impacts. Sonia is committed to challenging conventional thinking and invite all those who wish to yarn.

Mitch Jones

Mitch belongs to Dharug Ngurra in Western Sydney and currently lives in North East Victoria Dhuduroa Country. He has spent many years in the central deserts of Australia, working with Aboriginal people and ranger groups looking after Culture and Country. Mitch is passionate about Cultural revival, furthering the rights of Aboriginal people, and supporting ethical and Culturally Safe interactions that bring together diverse First Nations and Western knowledge systems.

Vision

To provide a forum for a comprehensive overview of rural and urban stream rehabilitation and management principles and practices.

Aims

To provide an integrated approach to stream management including hydrology, water quality, ecology, riparian vegetation, geomorphology and rehabilitation techniques.

To provide extensive “hands on” experience through on ground group assignments.

Background

In the twenty six years that the Workshop has been running, over 900 people have completed the program. The program has evolved over this time, reflecting the issues faced by water managers of today. Wise Water Ways is supported by industry speakers who are leaders in their field.

On completion of the Workshop and a short assessment task, students may be eligible to receive 8 points credit towards the Charles Sturt University's Master of Environmental Management

For more information go to:

<https://study.csu.edu.au/masters-enviro> or contact the

Course Director E: FOSH-Course@csu.edu.au T: 02 6051 9345.

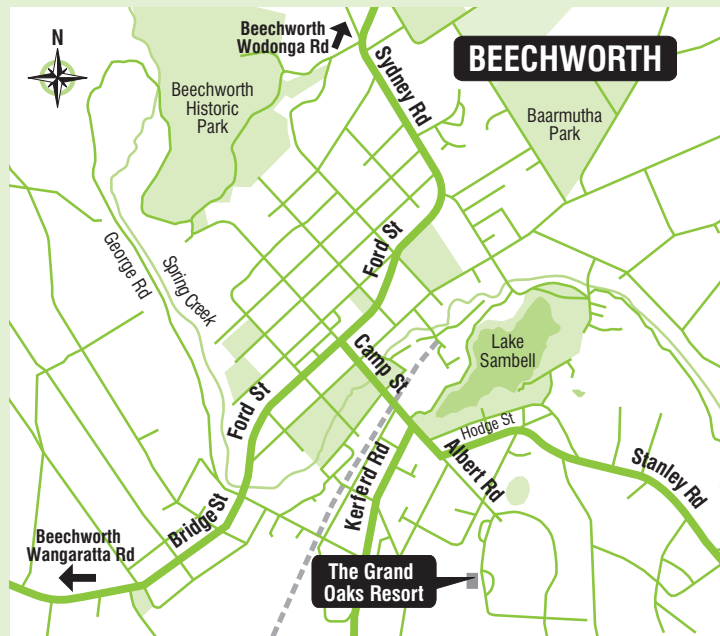
Who Should Attend?

The course is aimed at people working, studying or who are interested in stream management, particularly those involved in practical natural resource works.

The Region / Travel

Beechworth is situated in North East Victoria. It is approximately 3 hours drive from Melbourne. The nearest airport is Albury Airport (30 minutes drive). Hire cars are available from both airports and transfers from Albury Airport are by taxis. Beechworth is an ideal location for Wise Water Ways. Diverse vegetation, macro-invertebrates and interesting geomorphology in the area provide a number of opportunities for managers to evaluate stream systems.

www.wisewaterways.org.au



Workshop Venue and Accommodation

The Wise Water Ways Workshop will be held at The Grand Oaks Resort - 22 Oak Avenue, Beechworth.

Accommodation has been organised for participants at The Grand Oaks Resort and also Linaker Art Deco Motel which is a 5 minute walk from the venue.

Room rates are from \$180 per room per night (single occupancy) and includes a full buffet breakfast. Please see the back page of the registration form for further details.

Please contact the secretariat via email:

info@wisewaterways.org.au
if you have any queries.

Program of Activities

Sessions		Presenter
Monday 28/10	Day One	Introduction to Stream Management
1215 - 1245 hrs	Acknowledgement of Country Welcome, Program and Assessment	Professor Andrew Boulton <i>University of New England</i> Lachlan Campbell <i>North East Catchment Management Authority</i>
1245 - 1430 hrs	Wise Waterway Concepts <ul style="list-style-type: none"> • Steps for stream rehabilitation • Assessment • Investigations • Concepts • Design • Community consultation • Prioritisation • Environmental flows 	Professor Ian Rutherford <i>Professorial Fellow University of Melbourne / National Research Director Alluvium Consulting</i>
1430 - 1500 hrs	Afternoon Tea	
1500 - 1745 hrs	Assessing Riparian Vegetation (Field)	Jo Slijkerman / Jamie Kaye <i>Water Technology</i>
1830 hrs	Dinner	
Tuesday 29/10	Day Two	Stream Assessment Techniques
0830 - 0910 hrs	The Process of Policy Making <ul style="list-style-type: none"> • policy context, science in policy and policy development and evolution 	Simone Wilkie <i>Department of Energy, Environment and Climate Action</i>
0910 - 0950 hrs	Integrating Climate Change <ul style="list-style-type: none"> • Water yield and quality - effects of a changing climate on the aquatic landscape 	Sharada Ramamurthy <i>Department of Energy, Environment and Climate Action</i>

Program of Activities

0950 - 1020 hrs	Morning Tea	
1020 - 1110 hrs	Water Quality in Aquatic Ecosystems <ul style="list-style-type: none"> • eDNA • Water quality signals • Aquatic food chains 	Dr Sally Maxwell <i>Centre for Freshwater Ecosystems La Trobe University</i>
1110 - 1200 hrs	What Fish Want <ul style="list-style-type: none"> • Fish ecology - flows, habitat, water quality, barriers, large woody debris • Fish migration triggers and patterns 	Dr Jarod Lyon <i>Arthur Rylah Institute for Environmental Research</i>
1200 - 1330 hrs	Lunch on Country - Aboriginal Heritage Identification and Communication	Ray Ahmat <i>Parks Victoria</i>
1330 - 1730 hrs	Skills in Action <ul style="list-style-type: none"> • Field surveys • Macro-invertebrate sampling • Vegetation assessment • Physical condition assessment 	Chris Dwyer <i>Confluence Group</i> Dr Sally Maxwell Jo Slijkerman <i>Water Technology</i> Dr James Grove <i>University of Melbourne</i>
1900 hrs	Keynote Address <ul style="list-style-type: none"> • Water Country, Law and Knowledges 	Sonia Cooper and Mitch Jones
Wednesday 30/10	Day Three	Processes
0845 - 0945 hrs	Understanding a River's Character and How To Work With It (Geomorphology, Hydrology and Hydraulics) <ul style="list-style-type: none"> • Principles of hydrology (how much water) and hydraulics (how water moves) • Land use changes and how it affects these • Sediment movement and management • Principles of waterway geomorphology and working with rivers 	Dr Geoff Vietz <i>Streamology</i>

Program of Activities

0945 - 1015 hrs	Morning Tea	
1015 - 1100 hrs	Waterway Sensitive Urban Design <ul style="list-style-type: none"> • Options to achieve sustainable water management in an urban environment • Smart developments to retain water in urban landscapes 	Dr Matthew Burns <i>University of Melbourne</i>
1100 - 1145 hrs	Making Spatial Data Work for You <ul style="list-style-type: none"> • Technology as tools • Sources of spatial data • What is the best technology to do your job 	Dr James Grove <i>University of Melbourne</i>
1145 - 1230 hrs	Riparian Vegetation <ul style="list-style-type: none"> • The role of filter strips, organic carbon, shading, biodiversity and revegetation • Woody weed identification - ecology, dispersal and management issues • Rehabilitation of riparian zones 	Jo Slijkerman <i>Water Technology</i>
1230 - 1315 hrs	Lunch	
1315 - 1730 hrs	Project Data Collection and Field Work	
1900 hrs	Free night / Pub Meal with a Side-Serve of Science - Optional	Professor Andrew Boulton
Thursday 31/10	Day Four	Community Engagement and Rehabilitation Techniques
0830 - 0930 hrs	Community Engagement <ul style="list-style-type: none"> • Principles and practices 	Brooke Hermans <i>RMCG</i>
0930 - 1045 hrs	Onground Works: When to, when not to. <ul style="list-style-type: none"> • Replicating natural systems • Working with stream processes • Grade control structures • Sediment stabilisation 	Ross Hardie <i>Alluvium Consulting</i>

Program of Activities

1045 - 1115 hrs	Morning Tea	
1115 - 1215 hrs	Field Projects and Construction Works • Works. What works?	Andrew Briggs <i>Victorian Fisheries Authority</i>
1215 - 1245 hrs	Tying it All Together	Professor Andrew Boulton
1245 hrs	Lunch	
1315 - 1730 hrs	Preparation of Project Reports	
1730 hrs	Presentation of Group Reports	
1830 - 1930 hrs	Dinner	
1930 - 2200 hrs	Presentations of Group Projects	
Friday 1/11	Day Five	Field Visit
0845 - 1230 hrs	Applying our new skills to the Ovens River (Field) • View structural works • Revegetation and willow management • Drone technology demonstration	Chris Dwyer Lachlan Campbell Dr Geoff Vietz
1230 hrs	Lunch on the Run	

Details are correct at time of program production, may be subject to change.

www.wisewaterways.org.au

Registration Form

(Registration by 4 October 2024)

To register for the workshop online please go to www.wisewaterways.org.au or complete the registration on the following page and forward / scan it to:

Wise Water Ways
PO Box 645, Wangaratta VIC 3676
Email: info@wisewaterways.org.au
Contact: Virginia Eckels Tel: 0408 109 707

A. PARTICIPANT

Title: Dr Mr Mrs Ms

Name:

Position:

Organisation:.....

Address:

..... Postcode

Phone(B): Mobile:

Email:

Special Dietary Requirements:

.....

Privacy - I give permission for my details to be disclosed

Yes No



B. REGISTRATION FEES (by 4 October 2024)

Full Workshop Fee includes morning teas, lunches, dinners (excluding Wed), annual subscription to RBMS

\$1345
(GST Inclusive)

I would like more information about the RBMS?

For Members of the River Basin Management Society (RBMS)

\$1265
(GST Inclusive)

C. ACCOMMODATION

(includes cooked breakfast)

No. of nights	Total

The Grand Oaks Resort Room \$200

\$200 per room per night (Single Occupancy)

Linaker Art Deco Motel \$180

\$180 per room per night (Single Occupancy)

Check in date / /

TOTAL

Check out date / /

GST Inclusive

COVID Policy

We ask that participants please stay at home if feeling unwell.

Method of payment

An invoice will be sent to you on receipt of the registration form. Please provide us with the following details:

Purchase Order No:

Billing Address:

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Cancellation Policy: Full refund less 20% if advised 5 days prior to the Workshop.

Forward registration form to:

Wise Water Ways Secretariat, PO Box 645, WANGARATTA VIC 3676.

Email: info@wisewaterways.org.au

www.wisewaterways.org.au Tel: 0408 109 707

We would like to thank the following partners:



For further information contact:

Virginia Eckels, Wise Water Ways Secretariat
Tel: 0408 109 707 or Email: info@wisewaterways.org.au
www.wisewaterways.org.au

