



Department of
Sustainability
and Environment



Department of
Primary Industries



Integrating Catchment Management for Australia



WISEwaterways

A Workshop in Stream Management Principles and Practices

25 - 29 October 2010

Venue: La Trobe at Beechworth

Presented by

North East Catchment Management Authority
Department of Sustainability and Environment
Department of Primary Industries
North East Water
Goulburn Ovens Institute of TAFE
Sinclair Knight Merz
La Trobe University
River Basin Management Society
Alluvium Consulting Pty Ltd

Testimonial

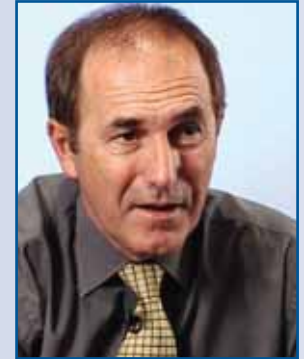
Water: Reducing the amount the environment needs

The question of how much water the environment needs depends in part on what type of environment we want and how smart our environmental water management arrangements are. We also need to understand what we mean by water for the environment in the real world. There is room for innovation and the development of ways to get more environmental outcome per drop of water allocated.

It is time for people to think outside the square and build administrative systems that promote the efficient use of water. Environmental managers need to be allocated water and left to get on with the job in an efficient manner. Is this too much to ask?

Biography

- Mike Young is Executive Director of the University of Adelaide's Environment Institute and Professor of Water Economics and Management at the University of Adelaide. He is currently leading the water component of an UNEP study on opportunities to green the world's economy.
- A Member of the Wentworth Group of Concerned Scientists, Mike Young has played a key role in the development of water policy in Australia.
- In 2008, he was named South Australian of the Year in the Environment category.
- In 2006, he was awarded the Land and Water Australia Eureka Award for Water Research and in 2001 a Centenary Medal for his contribution to environmental economics.
- Mike is a Fellow of the Academy of the Social Sciences in Australia and a Distinguished Fellow of the Australian Agricultural Resource Economics Society.



Professor Mike Young
Executive Director
Environment Institute
The University of Adelaide

Vision

To provide a forum for a comprehensive overview of Stream Rehabilitation and Management Principles and Practices.

Aims

An integrated approach to Stream Management: Hydrology, Water Quality, Ecology, Riparian Vegetation, Geomorphology and Rehabilitation Techniques.

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

Background

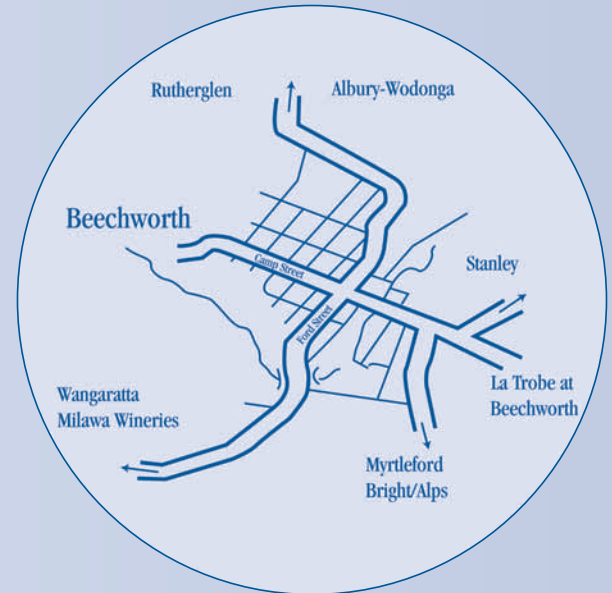
In the eleven years that the Workshop has been running, some 650 participants have completed the program. The Workshop constitutes a minor “Stream Management Course” and on completion participants will receive a credit towards a “Diploma of Natural Resource Management”.

Who Should Attend?

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

The Region

Beechworth is situated in North East Victoria. It is approximately 3½ hours drive from Melbourne. The nearest airport is Albury Airport (30 minutes drive). Transfers from Albury Airport can be arranged. Beechworth is an ideal location for the Wise Water Ways Workshop. Diverse vegetation, macro invertebrates and geomorphic issues in the area provide a number of opportunities for managers to evaluate stream systems.



Accommodation

Accommodation has been reserved for participants at La Trobe at Beechworth.

Special rates for shared bathroom room (1 bathroom between 2 rooms) of \$110.00 per room per night and cottage rooms (cottages contain 3-4 bedrooms) of \$95.00 per room per night. The rates include a fully cooked breakfast.

Please complete your accommodation requirements on the registration form.

Program of Activities

Sessions		Presenter
Monday 25/10	Day One Introduction to Stream Management	
12.45 – 2.30pm	Stream Rehabilitation Concepts <ul style="list-style-type: none"> • Steps for stream rehabilitation • Assessment • Investigations • Concepts • Design • Community consultation • Prioritisation 	Dr Ian Rutherford <i>Director Integrated River Health Policy & Investment Office of Water DSE</i>
2.30 – 3.00pm	Afternoon Tea	
3.00 – 5.45pm	Riparian Vegetation Field Demonstration	Paul Wilson, Sam Marwood <i>Office of Water DSE</i>
7.00pm	Dinner followed by Q & A	Professor Andrew Boulton <i>UNE Armidale Editor 'Marine and Freshwater Research'</i>
Tuesday 26/10	Day Two Assessment Techniques	
8.30 – 9.00am	Victorian River Health Strategy <ul style="list-style-type: none"> • Policy - context, priorities 	Paul Wilson <i>Office of Water DSE</i>
9.00 – 12.30pm	Stream Assessment Techniques <ul style="list-style-type: none"> • Introduction and overview • Assessment of hydrology, vegetation and physical condition • Role of macro-invertebrates • Water quality and blue-green algae 	Paul Wilson, Sam Marwood Dr Roger Croome Dr Phil Suter <i>La Trobe University Albury Wodonga Campus</i>

Program of Activities

1.30 – 5.30pm	Demonstration of Field Data Collection <ul style="list-style-type: none"> • Field surveys (level and staff) • GPS data collectors • Macro-invertebrate sampling • Vegetation assessment • Physical condition assessment 	Paul Wilson, Sam Marwood Chris Dwyer <i>SKM</i> Phil Suter
7.00pm	Keynote Address - Professor Mike Young <ul style="list-style-type: none"> • 2009 Wise Water Ways Honours Research Presentation - Julia Mynott • 2010 - Wise Water Ways Scholarship Announcement 	Professor Mike Young <i>Executive Director</i> <i>Environment Institute</i> <i>The University of Adelaide</i>
Wednesday 27/10 Day Three Processes		
8.30 – 9.00am	Catchment Processes / Catchment Management - Case Study Ovens Basin	Rick Felton <i>DPI – Wangaratta</i>
9.00 – 9.40am	Riparian Vegetation <ul style="list-style-type: none"> • The role of filter strips, organic carbon, shading, biodiversity and revegetation • Components and importance of riparian vegetation • Vegetation management and revegetation techniques • Ecological vegetation communities 	Jane Roots <i>School of Environmental Sciences</i> <i>Charles Sturt University</i>
9.40 – 10.20am	Fish Habitat <ul style="list-style-type: none"> • Fish ecology - flows, habitat, water quality, barriers, large woody debris • Fish migration triggers and patterns 	Dr David Crook <i>Arthur Rylah Institute for</i> <i>Environmental Research DSE</i>
10.20 – 10.50am	Morning Tea	
10.50 – 12.20pm	Catchment Hydrology and Geomorphology <ul style="list-style-type: none"> • Open channel hydraulics • Stream geomorphology 	Dr Dean Judd <i>Water Technology Pty Ltd</i> Dr Tony Ladson <i>SKM</i>

Program of Activities

12.20 – 1.00pm	Environmental Flows <ul style="list-style-type: none"> • Water resource allocation • Environmental flows importance and assessment methodology • Streamflow management 	Geoff Vietz <i>Department of Environmental Engineering The University of Melbourne</i>
1.00 – 2.00pm	Lunch	
2.00 – 5.30pm	Project data collection and write-up / Field Work	
7.00pm	Free Evening	
Thursday 28/10	Day Four	Rehabilitation Techniques
8.30 – 9.10am	Stream Ecology <ul style="list-style-type: none"> • Why is ecology important? • Streams as ecological systems • Indicators of stream health 	Professor Gerry Quinn <i>Chair in Marine Biology Deakin University Warrnambool Campus</i>
9.10 – 9.55am	Willows/Exotic Trees <ul style="list-style-type: none"> • Identification and reproduction • Ecology, dispersal and management issues • Control techniques • Rehabilitation 	Dr Fiona Ede <i>DPI - Frankston</i> Andrew Briggs <i>North East Catchment Management Authority</i>
9.55 – 10.25am	Morning tea	
10.25 – 12.00pm	Stream Channel Management <ul style="list-style-type: none"> • Replicating natural systems • Working with stream processes • Grade control structures • Sediment stabilisation 	Ross Hardie <i>Alluvium Consulting Pty Ltd</i>
12.00 – 12.45pm	Lunch	

Program of Activities

12.45 – 1.30pm	Field Projects and Construction Works Works. What works?	Anthony Wilson <i>North East Catchment Management Authority</i> Chris Dwyer
1.30 – 5.30pm	Preparation of project reports	
6.30 – 7.30pm	Dinner	
8.00 – 10.00pm	Presentations of Group Projects	
Friday 29/10	Day Five	Field Visit
8.45 – 12.30pm	Field Visit to Ovens Catchment <ul style="list-style-type: none"> • View structural works • Revegetation and willow management 	Chris Dwyer Anthony Wilson
12.30pm	Lunch on the Run	

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

Registration Form

A. PARTICIPANT

Title: Dr Mr Mrs Ms

Name:

Position:

Organisation:.....

Address:

..... Postcode

Phone(B):..... Mobile:.....

Fax:.....

Email:

Special Dietary Requirements:

Privacy - I give permission for my details to be disclosed (no tick will be taken as yes) Yes No

To register for the workshop please complete the registration on the following page and forward / fax / scan it to:

Wise Water Ways
PO Box 645, Wangaratta Vic 3676
Fax: 03 5725 7346
Email: nemeet@bigpond.com
Contact Virginia Eckels
Tel: 0408 109 707



B. REGISTRATION FEES (by 15 October 2010)

Tax Invoice - AAVAF - ABN - 43 882 936 247

Full Workshop Fee

includes morning teas, lunches, dinners

\$765
(GST Inclusive)

For Members of the River Basin Management Society (RBMS)

\$720
(GST Inclusive)

I would like more information about the RBMS?

C. DINNER FEE (for non registrants who wish to attend a dinner)

Mon. Tues. Thurs.

\$50
(GST Inclusive)

D. ACCOMMODATION

Hotel Room

Per night x \$110.00 x
(GST Inclusive)

No. of nights

Total

Cottage Room

Per night x \$95.00 x
(GST Inclusive)

No. of nights

Total

Check in date..... Check out date.....

TOTAL
GST Inclusive

Method of payment

cheque enclosed EFT

If paying by cheque make payable to: AAVAF

EFT payment BSB: 633-000 Acc: 131 968 703

Bank: Bendigo Bank

Please ensure you email details of your EFT payment and use your surname / organization as your reference. If EFT advice is not received then payment may not be associated with your registrations – and your registrations may not be processed.

Forward registration form and cheque to:

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

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

We would like to thank the following partners:



A Stream Rehabilitation Workshop

For further information contact:

Virginia Eckels, North East Conference and Event Planners
Tel: 0408 109 707 Fax: 03 5725 7346 Email: nemeet@bigpond.com

