



Floodplain Ecology Course



Goulburn
Murray
Landcare

Barmah, 9th – 13th October 2017

The purpose of the Floodplain Ecology Course is to promote awareness and greater understanding of these complex ecosystems in a drying climate, their ecological importance and values, the intimate connection of floodplains with the health of their parent rivers, and how in a volatile political setting consideration of floodplains is important to the long term sustainable use of our waterways.

Registrations Now Open!

This 5 day course commences on Monday morning 9th October and concludes on Friday lunchtime, 13th October 2017. (Accommodation for Sunday night is available – approximate cost \$80.00 for dinner, breakfast and room)

Summary of topics covered:

The following summarises the contents of this course:

- Geology and landscape history and climate – how floodplains are formed
- Geomorphology, hydrology and hydraulics of floodplains
- Floodplain soils
- Floodplain vegetation
- Floodplain fauna
- Biogeochemical processes and functions on the floodplain Specifically, the Floodplain Ecology

Course aims to give participants:

- a better understanding of the geomorphological, hydrological and ecological processes of floodplain ecosystems;
- an understanding of flooding dynamics and the impact of human use on this process, past and present
- provide examples of practical skills in observation, description, survey/assessment, analysis, interpretation, and assessment, of geomorphological features, hydrological regimes, soils and flora and fauna on floodplains.

The focus of the course will be on the floodplains of the Goulburn - Murray system in the region of Barmah.

Instructors & presenters

- **Keith Ward** is a wetland ecologist whose main areas of research have been the vegetation, fish and water bugs of the of Barmah-Millewa Forest,
- **Neville Rosengren** has surveyed the geomorphology and geology of conservation sites in most parts of Victoria. He is particularly interested in the modes and dynamics of landscape evolution.
- **Damien Cook** is a restoration ecologist with a keen interest in plant and frog taxonomy, wetland ecology and the processes which lead to the degradation of natural ecosystems and how these can be reversed. He has studied natural history for over 25 years and has worked as an ecologist, project manager and environmental educator for the last 20 years.
- **Cath Botta** is a soil scientist and educator who works with communities in agricultural landscapes. Her special interest is in helping people better understand their own soils and the effects of land management on soil health.
- **Steve Wilson** is Land and Biodiversity Manager at the Goulburn Broken Catchment Management Authority. He has an extensive working background in wildlife and natural resource management.
- **Darren Baldwin** is an aquatic ecologist/bio geochemist with over 20 years post-doctoral experience. Much of Darren's research to date has centred on how perturbations affect the way that energy and matter move through and are transformed in aquatic ecosystems.

- **Lindy Lumsden** is a wildlife biologist with a passion for bats, their ecology, and introducing them to people. In recent years Lindy's research has focused on rural landscapes, investigating the distribution, ecology, and habitat requirements of insect-eating bats.
- **Katie Howard** is the Flows and Fish Recruitment program leader at the Arthur Rylah Institute for environmental research staff. Katie's research has also focused on conservation of freshwater turtles in the Barmah-Millewa forest.
- **Daryl Nielsen** is a freshwater ecologist whose primary research includes the ecology of microfauna in wetlands and riverine environments. His current activities include examination of the impacts of secondary salinisation on dormant eggs and seeds of aquatic organisms.

Location details

The course is based at Barmah in River Red Gum floodplain country. Accommodation will be shared, in comfortable on-site units at the Morning Glory River Resort Gilmour Rd Moama, with shared bathroom & kitchen facilities. Catering is inclusive of all meals.

Course Fee

The course fee for 2017 is \$1600 (plus GST) which includes accommodation, meals, transport during the course, instruction, and course notes.

Numbers

The course is limited to 30 participants. Further details, including the Course Notes, will be given out to registered participants, closer to the date.

Enquiries

Goulburn Murray Landcare Network: e-mail: gmln@iinet.net.au Ph: (03) 5821 3530 or 0407 552 663

Supported by:



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APPLICATION FORM - 2017 FLOODPLAIN ECOLOGY COURSE

First Name _____ Surname _____ M/F

Address _____

Ph (w) _____ (mob) _____ (email) _____

Organisation or Community Group _____

Any special dietary requirements _____

Do you require accommodation on Sunday night prior to the course? (additional cost will apply) _____

Payment details: Full fee \$1760 (GST Inc)

Cheque payable to Goulburn Murray Landcare Network or

Direct Deposit Goulburn Murray Landcare Network - BSB 633 000 Account No. 133815845

(Use your name as a reference)

Please send to Goulburn Murray Landcare Network, 82 Wyndham Street, Shepparton, VIC 3630