

WENTWORTH GROUP 2007 SCHOLARSHIP HOLDERS



Amber Clarke

Monash University
School of Biological Sciences
PhD student

Research Topic

The examination of patterns and determinants of aquatic macroinvertebrate diversity in headwater streams across multiple scales in three upland catchments.



Jane Catford

University of Melbourne
School of Social and Environmental Enquiry
PhD student

Research Topic

Surveys of 50 wetlands along the Murray River will help to increase our understanding of invasion and riparian plant ecology, and the ecological consequences of flood regime modification. Findings will improve weed and water management and will indicate whether we can integrate the two.



Dr Joëlle Gergis

RMIT University
School of Creative Media
Diploma student

Research Topic

Currently undertaking a Diploma of Professional Writing and Editing to further her desire to work in science communication and media. Joëlle recently completed her PhD – “Reconstructing El Nino-Southern Oscillation: evidence from tree-ring, coral, ice-core and documentary palaeoarchives, A.D.1525-2002.”



Catherine Leigh

Griffith University
Australian Rivers Institute
PhD student

Research Topic

Ecological function of Australia's tropical rivers. Investigating ecological function (specifically carbon flows and macroinvertebrate diversity) in large flood-plain rivers of the southern Gulf of Carpentaria.

Donovan Burton

Griffith University
School of Environment
PhD student

Research Topic

Local climate change adaptation. Identifying the best approach for local governments to adapt to climate change. An emphasis is placed on climate change and property values.



Mariana Fuentes

James Cook University
School of Earth and Environmental Science
PhD student

Research Topic

Climate change, wildlife management and conservation. This study will assess the risk of climate change to the reproductive aspects of sea turtles, forecast potential responses by turtles to climate change and provide advice for management options to reduce their susceptibility and increase their resilience.



Dana Cordell

University of Technology, Sydney
Institute of Sustainable Futures
PhD student

Research Topic

Researching in what ways the global anthropogenic phosphorous cycle is unsustainable in the context of global food security. And to what extent can recirculating human waste from urban areas back to agriculture contribute to future global food security.

Danielle Spruyt

University of Sydney
School of Political Economy
PhD student

Research Topic

The changing state of water in the economy - testing of the waters at the top end. An examination of the intersection of water concerns with the development trajectory of the resource based NT economy, with a focus on the contest between values and the potential of market solutions.



Hugh Smith

University of Sydney
School of Geosciences
PhD student

Research Topic

Geomorphology/Hydrology. Research examines the sediment dynamics of an upland headwater catchment of the Lachlan River. Also addressing scale issues in the transfer of sediment from sources to the catchment outlet.



Moira Williams

University of Sydney
School of Biological Sciences
PhD student

Research Topic

Invasive species ecology. Major aims of this project are to determine the current extent of *P.radiata* invasion in Australia, quantify ecological impacts of invasion and investigate factors facilitating spread.



Samantha Muller

Macquarie University
School of Human Geography
PhD student

Research Topic

Indigenous sea and land management. Research considers accountability relationships between Indigenous land and sea management organisations and government investors. Contextualised in NE Arnhem Land, it seeks to identify processes and mechanisms that articulate and accommodate Indigenous aspirations whilst meeting the needs of other stakeholder groups in investing in land and sea management.

Wendy Ambler

University of Wollongong
Faculty of Law
Institute for Conservation, Biology and Law
PhD student

Research Topic

Regulation of urban water supply - the Sydney region.
Analysis of current regulation framework, exploration of alternative approaches, development of a cohesive and effective framework.



Moya Tomlinson

University of New England
School of Ecosystem Management
PhD student

Research Topic

Groundwater ecology. The effect of water level fluctuations on the fauna of unconfined alluvial aquifers. Current experiments are investigating desiccation resistance.



John Rawsthorne

Charles Sturt University
School of Environmental Science
Honours student

Research Topic

Why isn't the world full of mistletoes? Investigation of the roles of birds in establishing the spatial arrangement of mistletoes. Comparison of the dispersal roles of different birds.



Lisa Robins

Australian National University
Fenner School
PhD student

Research Topic

Capacity building measures for regional NRM boards. Identifying the most effective strategies for enabling NRM boards to deliver national programs like the NHT, NAP and NWI, including examining the health and risk and emergency management sectors for lessons.

Greg Lyle

University of Adelaide
School of Earth and Environmental Sciences
PhD student

Research Topic

The innovative application of spatial information to improve environmental and economic outcomes in Australia's grain growing regions.



Jessica O'Halloran

Murdoch University
School of Earth and Environmental Sciences
Honours student

Research Topic

Identification and evaluation of "best" policy instruments for progressing implementation of the South-West Australian Ecoregion Initiative.



Sarah Arnold

University of Western Australia
School of Agriculture and Resource Economics
Honours student

Research Topic

Design of a reintroduction scheme for mallee fowl in the WA wheat belt



Tas Thamo

University of Western Australia
School of Earth and Geographical Science
Honours student

Research Topic

Economic modelling of the implications of utilising "Rapid Soil Testing" to tailor variable inputs for precision agriculture.