

ECOLOGY DAY



ECOLOGICAL
SOCIETY OF
AUSTRALIA

Wednesday 30 September 2009
Lirra Lirra Cafe, Waite Campus, University of Adelaide

PROGRAM :

8:30 **Registration Desk Opens (poster and talk upload)** - collect your name badge, grab a coffee and have a chat

9:30 Initiative behind ESA SA Ecology Day and the day's participants

10:00 **Key Speaker, Prof. Mike Bull, Flinders University**

10:30 **Key Speaker, Prof. Gavin Brown, Ri Australia**

11:00 **morning tea**

11:30 to 13:00 Session 1

Island-mainland adaptive divergence in the Superb Fairy-wren: environmental, morphological, and genetic variation
[B. Schlotfeldt, Flinders University]

Impact of mineral exploration on ecosystem characteristics and mallee vegetation of Pinkawillinie Conservation park, South Australia [L Scott, University of Adelaide]

Impacts of hypersalinity on the egg masses of the Southern Calamary, *Sepioteuthis australis* [T. Stewart, Flinders University]

Fine scale population substructuring of the Australian sea lion *Neophoca cinerea* using genetic and ecological data [A. Lowther, University of Adelaide]

A long term glimpse of woodland bird monitoring in the Mount Lofty Ranges [T. Bentz, NCSA]

Further improving the efficiency of wildlife monitoring by estimating detectability: a case study of foxes (*Vulpes vulpes*) on the Eyre Peninsula, South Australia [P. O'Connor, University of Adelaide / O'Connor NRM]

13:00 **lunch**

14:00 to 16:15 Session 2

Genetic structure of an *Antechinus flavipes* population in a fragmented habitat [A. McLean, University of Adelaide]

Desalination effluent toxicity: impacts on three invertebrate phyla [K. Beattie, Flinders University]

To hide or not to hide: the influence of apparency on the pollination and herbivory of an endangered terrestrial orchid [R. Faast, University of Adelaide]

Enhanced rates of nutrient cycling with mistletoe infection is associated with increased soil fertility and altered understorey plant composition [W. March, University of Adelaide]

Integrating landuse history information into landscape-scale conservation planning [A. McIlwee, Department for Environment and Heritage]

The native vegetation and restoration potential of Lake Hawdon North [B. Taylor, Ecological Association Pty Ltd]

Using birth habitat preferences as a science-based approach for multispecies management of fragmented landscapes [A. Smith, CSIRO]

Changes in the age structure of the freshwater pearl mussel over the past two decades [L. Tarr, University of Aberdeen, Scotland]

Progress with the Heterogeneous data problem in Ecological Databases [Chris Jenkins, University of Adelaide]

16:15 **afternoon tea & poster session**

~ 17:00 **close (best student presenter award)**



Threatened
Species
Network



Australian Government



WWF



NRM Research Alliance



Nature Conservation Society
of South Australia



EMU
Consulting

The Threatened Species Network is a community-based program of the Australian Government and WWF-Australia.