



Spotted Quoll

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Visit our website
www.hn.cma.nsw.gov.au

If you have an event coming up or an article you would like to submit to this newsletter

**Contact Helen Ward on (02) 4828 6752
Daniel Anderson 4861 9014**



Locked Bag 2048
Goulburn NSW 2580



Hello Landcarers, welcome to the second edition of the new “revamped” Warbler.

From The Landcare Co-ordinator - Southern Highlands

Spring 2007 is an exciting time to be involved with Landcare in the Goulburn, Wingecarribee & Wollondilly Shires. I have personally been surprised with the amount of interest in Landcare and HNCMA project related work that is being undertaken across the reaches of the Upper Catchment. It is exciting to see most of the groups being actively involved in tree planting (Re-vegetation strategies) and the seemingly unrelenting task of managing the re-emergence of weed prosperity in the spring. There are several new groups being active this spring and I would like to welcome you into the 'Warbler Network'. There are also several new exciting projects and ventures occurring in the coming weeks I would like to announce.

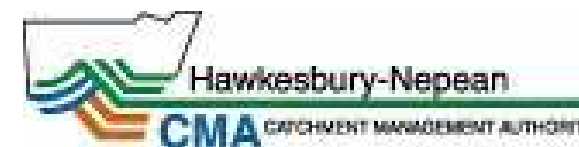
Firstly — The Wingecarribee Community Nursery has finally emerged as an exciting new addition to the Wingecarribee Landcare Network. The Hawkesbury Nepean Catchment Management Authority previously initiated a Provenance Strategy Report that effectively identified specific gaps and needs in relation to our ability as a community engaged in Natural Resource Management to provide genetically suitable local plants for our project works and Landcare requirements. The findings of this report professionally produced by Mary Mulvaney will provide the platform for our future progression into the area of provenance plant production. The establishment of the Wingecarribee Community Nursery has been co-funded by the HNCMA & Wingecarribee Shire Council with lots of involvement from the local Landcare volunteers. The location of the nursery is at the Moss Vale council depot on Berrima Road. There will be several upcoming workshops and training days to get the ball rolling. Please contact me if you would like to be involved.

The Wingecarribee Youth Landcare Group has a site registered for a 2007 Planet Ark National Tree Day event. The Wingecarribee Tree Day will be held on Sunday the 9th December at Bong Bong Common Reserve along the Wingecarribee River at Burradoo. This is a large event on the calendar for the Youth Landcare Group involving Local Bands, Members of the Wingecarribee Youth Network and Local School Groups, so if you would like to plant some trees and give something back to the local environment please come along.

The inaugural Hawkesbury Nepean Catchment Landcare Forum will be held on the 30 th of November 2007 at the Bowden Centre at Mt Annan Botanic Gardens.

The Forum is a celebration of Landcare's contribution and a thank you to Landcarers in the Hawkesbury-Nepean catchment. The program for the day includes:
An inspiring talk, 'Achieving sustainability in a crazy world', by environmentalist and ABC Radio Science Correspondent, Professor Nicholas Klomp;
Tours to the Stolen Generations Memorial and the Seed Bank and Nursery at Mt Annan Botanical Gardens; and
The Hawkesbury-Nepean Regional Landcare Award presentations.
It will be a great day with morning and afternoon tea, a delicious lunch and the opportunity to get to know other Landcarers.
Invitations to this event will be sent out shortly.

Well that's it from me at the moment. Happy Spring Landcaring.
Daniel Anderson Community Support Officer Moss Vale



AROUND THE GROUPS

Parkesbourne / Yarra Landcare

The Parkesbourne / Yarra Landcare Group have been successful in receiving funding from the Australian Government Envirofund Round 9 to control weeds such as serrated tussock and blackberry. The project also involved feral animal baiting (foxes and rabbits) and the removal of their habitat. With 12 neighbouring properties involved a coordinated approach to the weed and feral animal problem could be implemented. The group took advantage of the new aspects that were offered for Exceptional Circumstance drought declared areas.

The Parkesbourne/ Yarra Landcare group are also still in the process of restoring the tennis courts at Yarra.

Nancy Brook and Marie Bensley

Tarlo/ MiddleArm Landcare Group.

The Group has been steadily busy with a number of projects well on the way and completed. Our first notable effort was a fencing project done for our members John and Robin Rawlinson. John is in ill health and needed to have some fencing completed. Our Group united with Tarlo Bush Fire Brigade members to undertake this task. With the guidance of Terry and Cecily Hayes about 15 volunteers completed 3.7 kms of a 6 strand and 700 steel post fence in 2.5 days in late May 2007. An excellent effort considering the cloudy and windy weather at the time.

Next on our agenda was Marble Hill Road reconstruction and the protection and regeneration of the native species along the roadside. Rod Falconer provided valuable advice to Jason Moroney the Environmental Officer at Goulburn Mulwaree Council in considering the importance of maintaining native species of flora.

Our next project was a RTA dump site along Crookwell Road. This dump was encroaching on the native flora and fauna that habited the location. Negotiations were carried out with Gary Anable the then Works Manager of Upper Lachlan Council. As a consequence funding was obtained from the RTA by Gary to fence off the area and contain the dump site operations. This was completed by the Council. The group went out on 6 October 2007 and carried out a working bee to collect dumped rubbish at the site. Again, 15 members attended and the task was completed in no time so as to enable us to enjoy Maree and Lloyd Ashton's hospitality of muffins and cakes. Further work is yet to be completed in removing weeds.

The new project on hand is the Tarlo Reserve which is either side of the Tarlo River Bridge. We intend to remove weeds and in particular willows. Lyn Miller our Chairperson is currently negotiating with the Lands Department over the funding offered by them.

The first project of Rhyanna Reserve at Tarlo River crossing is about to enter stage two which is the planting of native flora. Many willows have been removed which has opened the area and freshened the waters of the Tarlo River. We need to thank the Corrective Services for the assistance given by them in the removal of the willows. Until next time. John Kowalenko Secretary



" Fencing Group " is at Robin and John Rawlinson's property at Woodhouselee



" Fence " shows outline of fence with Cecily Hayes casting her eye over it.

Robertson Environment Protection Society

Extracts from October edition of Eucryphia newsletter.

REPS members have been actively involved in the communities lobbying against the proposed Kangaloon borefield groundwater extraction proposal. The NSW Government is investigating the potential of groundwater extraction as part of the Metropolitan Water Plan objectives. It is stated that groundwater could be pumped out of the sub-surfaces aquifers when overall catchment dam levels fall below 40%. The proposed extraction volumes are currently listed at 15 Gigalitres per year from each of three separate sites. These sites include Kangaloon, Leonay near Emu plains & Wallacia. The SCA proposal is to have more than 60 large diameter production bores pumping 24 hours per day 7 days a week for 2-3 years with an estimated 5-7year recovery period. It is feared that the proposed pumping regime could lower the water table from near the surface to over 60 metres below the ground surface, breaking any connection with groundwater dependent ecosystems. It is also feared that the significant infrastructure required to deliver this proposal will create further degradation to the local natural environment having the potential to create significant disturbance effecting the flora and fauna integrity of this pristine area.

Extracts from Leon Hall's article in the October Eucryphia.

Australian Threatened Species

Australian Threatened Species Tiger Quoll, Spotted-tailed Quoll or Spot-tailed Quoll *Dasyurus maculatus*

Conservation Status Commonwealth: southeast mainland population – Endangered; Tasmanian population – Vulnerable; North Queensland subspecies – Endangered (Environment Protection and Biodiversity Conservation Act 1999) NSW: Vulnerable (Threatened Species Conservation Act 1995) QLD: Endangered (Nature Conservation Act 1992) ACT: Vulnerable (Nature Conservation Act 1980) SA: Endangered (National Parks & Wildlife Act 1972) TAS: Rare (Threatened Species Protection Act 1995)

Australia is home to four species of quolls. Most parts of Australia were once inhabited by at least one quoll species, and quolls were among the first native animals to be described by European scientists. All quoll species have declined in numbers since European settlement due to habitat loss and modification across the land, and introduced predators such as foxes.

What do they look like?

The Tiger Quoll, Spot-tailed Quoll or Spotted-tailed Quoll is the largest marsupial carnivore surviving on mainland Australia. Tiger Quolls are more than 50% larger than other quolls and, unlike the other species, have white spots that extend along their tail. Tiger Quolls have bright eyes, a moist pink nose and sharp teeth. They have a pointed snout and a long tail. Their fur has a coarse texture and is red-brown to dark brown with white spots of varying size above and pale below.

What do they eat?

Tiger Quolls hunt mostly at night. Their diet appears to consist primarily of medium-sized mammals (up to 70%), including gliders, possums, rabbits, and even small wallabies. They also like carrion (dead animals), birds and eggs. Small mammals, reptiles and invertebrates are also a significant part of the diet, particularly for juvenile quolls. Tiger Quolls are sexually mature at two years of age. Adult males begin searching for females around May, and mating takes place in mid-June. The young are born in early July, and by mid-August are no longer attached to their mothers, although they feed from her and spend much time in the den. By early November, young are completely independent at 18 weeks of age. Tiger Quolls live for approximately five years.

Where do they live?

Tiger Quolls are found in a range of forest habitats, from rainforest to open woodland. They require forest with suitable den sites such as rock crevices, caves, hollow logs, burrows and tree hollows. The Tiger Quoll has a large home range and can cover considerable distances (more than 6km) overnight. It is largely nocturnal and solitary. The Tiger Quoll was once common throughout southeastern Australia, including Tasmania. However, since European settlement it has become rare across most of its range.

What is threatening them?

Adult Tiger Quolls have a 'territory' of up to 500 hectares. There are few areas where such territories can exist without quolls encountering the effects of humans. This makes them particularly susceptible to a number of threats including:

- Land clearing: loss and fragmentation of habitat is a primary threat to this largest of Australia's marsupial carnivores, especially areas of suitable forest with sufficient numbers of den sites and prey
- Scattered populations: populations of Tiger Quolls are now scattered and hence vulnerable to chance events such as bushfires and disease
- Introduced competitors: competition for food with introduced foxes and cats, as well as possible predation on young quolls by these introduced species may also threaten them
- 1080 baits: these are used to control fox and wild dog numbers. Unfortunately, female and juvenile quolls are especially susceptible. It is vital that when 1080 baits are used, best practice management guidelines are employed in order to keep impacts to native species to a minimum
- Fire: since Tiger Quolls favour dense habitats with a lot of ground litter on the forest floor, burning is also likely to threaten the species.

Did you know...

- Captain Cook collected quolls along the east coast in 1770, and recorded 'quoll' as an Aboriginal name for these animals
- Quolls share communal latrine (toilet) sites which are located in open spaces and may have up to 100 droppings piled up. Quolls may use these sites for marking their territory and for other social functions
- Male Tiger Quolls are not the most sensitive of partners. They have a lengthy courtship where the female may be bitten quite severely. Copulation can last around eight hours
- In the breeding season, male Tiger Quolls may emit a slow, deep growl and a loud, explosive spitting sound (like that of a cat, but enormously magnified). The female's call is not quite as loud. These calls may have given quolls their fearsome 'tiger' reputation.

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Alison Colyer NSW & ACT Coordinator Threatened Species Network Ph: (02) 8202 1222 Email: tsnNSW@wwf.org.au

Keryn Hyslop Queensland Coordinator Threatened Species Network Ph: (07) 3221 0573 Email: tsnQLD@wwf.org.au

Willows: weeds of retention

Dr Michael Wilson

Research conducted whilst at the Centre for Environmental Management, University of Ballarat Current address: Murray-Darling Basin Commission, PO Box 409, Canberra, ACT 2601, michael.wilson@mdbc.gov.au

Summary

Removal is the dominant strategy advocated and implemented by management authorities when confronted by willows, the majority of which are Weeds of National Significance. There is much discussion and debate over possible effects of willow removal on stream ecosystems. In this paper I present research that demonstrates that a cleared reach has significantly worse ecosystem benefits than either a willow lined or mature native vegetation lined stream. The only benefit of removing willows, other than where vegetation of any type would be removed for infrastructure protection, is that native trees and shrubs are easily planted. This does not compensate for the potential negative consequences of clearing. In the streams we have studied, clearing will mobilise sediment, nutrients and organic matter, will make heterotrophic streams more autotrophic, will threaten habitat values for invertebrates and fish and will threaten pool-riffle sequences. There is a better way to manage willows; succession. Existing stands can be retained and native vegetation (or whichever species mix is preferred) can be planted alongside and under the willows. The shade intolerant willows will be out-competed over time. This strategy can be immediately implemented, as current funding and vegetation establishment techniques are suitable. The fact that a stream ecologist and a farmer (Peter Andrews, Natural Sequence Farming) have independently arrived at the same conclusion in relation to willows is noteworthy. A good understanding of the ecological values associated with retention of materials, energy and nutrients in streams would compliment hydrological studies in Natural Sequence Farming systems and help shift public policy and perceptions away from simplistic approaches to weeds.

Conclusions

Willows are clearly powerful ecosystem engineers. They are not the same as native plants, just as native plants are not the same amongst themselves and conclusive differences can be shown between reaches lined by willows and those lined by native vegetation. However, the fact that they are different is a completely different issue as to whether they cause harm. I believe that the presence of willows along streams in agricultural zones can be shown to be almost universally preferable to cleared streams in those zones. I would also suggest that even relatively low-disturbance eucalypt-*Acacia* dominated riparian vegetation may not have compelling benefits over willows under many circumstances. Willow invasion of pristine, rare or clearly self-repairing native ecosystems can be dealt with through well-accepted bush regeneration techniques.

However, our current willow management strategies advocate clearing willow-lined streams. The evidence presented in this paper suggests that would be catastrophic. It is possible that clearing willows makes room for planting of native trees and shrubs, but I can foresee no other immediate or even medium term benefits. In all the streams we have studied, clearing will mobilise sediment, nutrients and organic matter, will make heterotrophic streams more autotrophic, will threatening habitat values for invertebrates and fish and will threaten pool-riffle sequences. Native vegetation planted where willows are cleared will take many decades if not hundreds of years to mature, for the canopy to recluse and for significant limb fall to occur.



REPS Meetings & Events

Meetings:

There is one remaining REPS public meeting remaining this year.

Date: 9th November (Annual General Meeting)
Robertson Community Centre

Caalang Creek Working Bees

Last Saturday of each month 9.00 am
Contact: Sandy Morse Phone:4885 1905

Help Care For Our Nature Reserve

1st Wednesday of each month 10.00am till Noon
Contact: Helen Phone:4885 1394

Hilton Park Preservation Landcare Group

Just a quick update about our project. We are progressing well but a little behind schedule. As you know we cleared the western side of the creek and we are slowly levelling out the terrain and removing the dreaded privet roots and other weeds. We have laid the max-jute matting on the steep slope down to the creek to prevent the erosion and also planted lomandra clumps along the creek to help with the stabilisation of the soil. Unfortunately we wont be able to start planting until late October as the nursery had a huge rush of orders and were out of most plants when we ordered our plants.

Since clearing the creek area we have noticed an abundance of wildlife, echidna, wallaby, brown and red belly black snakes, numerous species of birds. We were not able to observe these animals before because of the thick growth of the privet and others weeds previously. Brian and I have taken a day off during the week to work on our project and also a few hours on a Sunday so we are progressing well. We will eventually clear the other side of the Mrytle Creek gully which still has a dense infestation of African Box Thorn and privet. This section will be done with help from the other volunteers later on in the year. . We need to clear this area to replace the fencing which as I guessed seriously needs replacing. I have also contacted State Rail and hopefully they will clear the privet from their side of the fence.

Hilton Park Landcare Group is a sub-group of the Hilton Park Preservation Group. A group of landholders from the Hilton Park area in Tahmoor who retain a passionate interest in the protection and restoration of the local waterways, remnant vegetation and native fauna habitat areas occurring within the peri-urban Hilton Park Estate area. The local vegetation remnants are identified to be Cumberland Sandstone Transition Forest and are listed as an endangered species. The Landcare group are currently undertaking 3 separate landholder projects that have been developed through the HNCMA landholders incentives program. For more information on the Hilton Park Preservation Group go

to: www.hppg.org.au



Mount Gibraltar Landcare & Bushcare Group

For fourteen years our volunteers have plugged away at the bush regeneration, chalking up hours for matching grants to pay Proust Bushland Services for their wonderful supporting work.

We started at the top of the mountain and have worked our way down removing the jungle of environmental weeds, especially English Ivy, and now we are all emerging at the lower boundaries knowing we have very good natural regeneration of the endangered Mount Gibraltar Forest above us.

Our latest Envirofund Round 8 has given us a tremendous boost and we are delighted that HNCMA has agreed to fund a Fauna Survey late in spring. This will be compared with our 1995 survey and should give us a very good idea of how our habitats are working and how our management should proceed for the best possible protection of the fauna. The group is very keen to learn how the surveys are carried out and to help wherever possible.

Our marvelous book: *The Gib, Mount Gibraltar Southern Highlands* has virtually sold out and we can call that project a great success while we consider the most beneficial use of the funds raised for both the Reserve and the community that supported it.

Every inch of the Reserve is significant and we appeal to everyone who reads this to support us in protecting this small natural area from the threat of sale and development that looms in the forthcoming WSC Local Environment Plan.

Further information: Geoff Allen 4871 1003

Jane Lemann

Moss Vale Landcare Group Up Coming Events

1. Saturday working bee - **20th October**, at Cosgrove Park. We will follow up all those who said they would come on a Saturday,

2. MV Public School planting at Cosgrove Park
Tues, Wed, Thurs 23rd, 24th, 25th October 10-12noon
The extra 200 tubes from Daniel Anderson is greatly appreciated

3. Usual monthly working bee on **4th Friday 26th Oct**
CANCELLED

4. We are planning a "Sunday Afternoon Walk" now on **Sunday 4th Nov.** (to fit in with Golf Club)
It will commence at Cosgrove Park at 2pm, then by car to Mack St, followed by car to Golf Club.
At each site we will inspect the plantings

We will end up with an afternoon tea at the Golf Club - cost \$5.- at 4pm

We plan to publicise this, and encourage any interested people to join us

Roslyn Landcare Group

Roslyn Landcare Field Day. 22nd September 2007.

The day commenced with an inspection of Eric Hurns property. He has transformed the farm from low quality grasses and several scalded areas to deep rooted perennial pastures of Phalaris, Cocksfoot, Ryegrass and clovers.

Tree corridors now criss cross most of the farm. The tree corridors link to and through the properties Talbot Park, Willow Gum Hill and Mt Rae. [see photograph]

We then proceeded to Talbot Park for morning tea in Elizabeth Baxters spring blooming garden.

Helen Ward was guest speaker and demonstrated a Hiko tree planter. On to Mark Selmes place which is part of " Mt Rae Forrest ". Mark showed some of the animals and plants that live in a timbered area. These included snakes, kangaroos, swamp wallabies, sugar glider, possum and a marsupial mouse.



photo is looking across Eric's towards Willow Gum Hill in the east.



2nd photo is at Mark Selmes.

2007 NSW Landcare Awards

In the last edition of the Warbler we reported on the winners of our first Hawkesbury Nepean Regional Landcare Awards. These 9 winners have been congratulated by General Manager, Bernie Bugden and Chair, John Klem and have received their prizemoney of \$500. They will also be acknowledged more formally at the Hawkesbury Nepean Landcare Forum in November (further details in this edition).

These winners went on to be nominated for the NSW Landcare Awards and in a great result for our catchment 6 of the 9 were selected as finalists and will receive state awards at the 2007 NSW Landcare Awards ceremony at Tamworth on 26 November 2007.

The 6 finalists are: Upper Popram Creek Landcare Group (Peats Ridge, Central Coast – yes that's part of HN catchment!), Liverpool City Council, Friends of Avalon (beach) Dunes, Gandangarra (Aboriginal) Land Council Landcare Group, HNCMA - River Health Strategy (& Landcare partnership) & in our end of the catchment Mulwaree High School. Congratulations to all those finalists and especially to Mulwaree High School, who have done a wonderful job over a number of years developing their environmental field study/wetland area and have involved students both from Mulwaree High and other local schools in a broad range of environmental studies and activities. Best of luck in the finals.

Geoff O'Connor



Goulburn Mulwaree High School:

John Klem, Kerri Francis & Jannine Devery (teacher) looking over the wetland.



SHORT
COURSES



PROfarm is the accredited short course program developed by NSW Department of Primary Industries (NSW DPI) to meet the needs of farmers, primary industries, agribusiness and the community.

Courses are delivered locally by highly skilled and respected NSW DPI Staff and Selected Trainers. Many of the courses are subsidised to reflect the public benefits provided by the adoption of more sustainable farming practices.

TRIM & CROSS CUT FELLED TREES – Chainsaw Operation 15/16 2 DAY COURSE Cost \$470 GST Free

SMARTtrain CHEMICAL APPLICATIONS - AQF LEVEL 3

SAFE TRACTOR OPERATION with IMPLEMENTS 20 & 21 OCTOBER, 3/4 DECEMBER 2 DAY COURSE Cost \$405 (Weekdays) \$430 (Weekends) GST Free

HORSE CARE & HANDLING 28 OCTOBER – CAMDEN Cost \$175 GST Free

BEEF CARE & HANDLING— 4 NOVEMBER Cost \$205 GST Free

BEEKEEPING – 10 NOVEMBER Cost \$200 GST Free

PLANTING IMPROVED PASTURES - SOUTHERN HIGHLANDS/ILLAWARRA 16 NOVEMBER Cost \$165 GST Free

PROPERTY MANAGEMENT PLANNING (PMP) – 6 SESSIONS Hawkesbury/Nepean Catchment Southern Highlands (Moss Vale) – Sunday 18th NOVEMBER, 2007 Goulburn – February, 2008 Windsor & Lithgow TBA Cost \$1,900 subsidies available reducing the cost to \$350-\$500.

WEEDS & THEIR CONTROLS – 24 NOVEMBER Cost \$195 GST Free

FENCING (Conventional) – 9 DECEMBER Cost \$199 GST Free COURSES – GOULBURN & SOUTH COAST...DATES TO BE ADVISED

SHEEP CARE & HUSBANDRY – 2 DAY COURSE – SEASONAL DATES AUGUST 07 & 29 FEBRUARY, 2008 Cost \$400 or \$200 per session GST Free

STOCKPLAN – Exploring Management Options for Drought & Recovery Various Locations & Dates – 1 Day Course Cost \$165 GST FREE

PROGRAZE – Profitable, Sustainable Grazing – Beef & Sheep SOUTHERN HIGHLANDS/ILLAWARRA – NEW DATES TBA WOLLONDILLY / CAMDEN WINDSOR / RICHMOND – DATE TBA Cost \$1407 reduced to \$450 for 8 sessions, GST Free (Subsidised – Hawkesbury/Nepean Catchment Authority)

LANDSCAN DATES TO BE ADVISED Landscape and Soil Test Interpretation for Sustainable Farm Management Cost \$350 per family

Contacts

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lex.myhill@dpi.nsw.gov.au**

**Trees On Farms-
Small Farms Network Field Day
FRIDAY NOVEMBER 16TH 10am –2pm**

**You are Invited to a Field Day
Property Corner Range Road & Old
South Road Mittagong.**

Native vegetation and it's role in productive farming.

- Vegetation to support farming and life-style.
- Vegetation improving landscapes
- Tree lots, wind breaks & shelter belts
- How to implement a vegetation project

PLANNING
PREPARATION
PLANTING

Registrations:
Daniel Anderson HNCMA Moss Vale
4861-9014





Up Coming Events

Invitation to make a written contribution to a new book — 'Landcare Making a Difference'

The Australian Landcare Council has been asked by the Minister for Agriculture, Fisheries and Forestry, the Hon Peter McGauran MP, to oversee the publication of a new book celebrating Landcare's achievements over the last 20 years.

The book will focus on how land managers have made lasting contributions to the management of Australia's landscapes—'Landcare Making a Difference' will be a central theme.

The book will be used to promote Landcare to the general public, as well as to members of parliament, local government members, regional natural resource management boards, industry representatives, and potential corporate sponsors.

You are invited to make a written contribution to the book. If you wish to respond, please read the instructions in the accompanying document before preparing your contribution.

Please send your contributions to landcare@secretariat.com.au by 31 October 2007.

Thank you – the Landcare Council is grateful for your interest in reading this invitation and appreciates that it will take time to put together some material to send.

National Parks Association—Field Day Tuesday 6th November .

Healthy Soils for Ordinary People

Are you curious about how ecologists "read the landscape" to conserve farm biodiversity and manage rangelands for longer-term self-sustainability?

The NPA's next public event will be a day in the field, plus an evening discussion, with eminent landscape ecologist **David Tongway**.

David Tongway, a Visiting Fellow at the ANU, enjoys international status in devising rapid assessment procedures for the productive potential of rangeland soil. While at the CSIRO, where he worked for 38 years, he won the Chief's prize for Research Influence and Effect in 1997, the ACMER prize for contributions to the environmental wing of the minerals industry, and the CSE prize for a lifetime contribution to science in 2003.

Schedule of events (you may attend one or all):

10.00 a.m.: Meet at VC Gordon Rest Area cnr of Belanglo State Forest Road and the north bound lane of the Hume Highway Sutton Forest for a visit to Black Bobs Creek Rehabilitation Project, where David Tongway will demonstrate how to apply his method of assessing a landscape to planning its rehabilitation. This project has been designed to improve the water quality and riparian health along severe erosion along the first five kilometres of the creek in the Warragamba Catchment Area. Our host at this site will be **Brad Davies**, Catchment Officer, Hawkesbury Nepean Catchment Management Authority.

Afternoon — Tour of Currabunda Wetlands

7.30 p.m.: Country Women's Association hall, Elizabeth Street, Moss Vale. David Tongway will draw on the day's site visits and his own extensive experience to present his optimistic view of how ordinary people can read their landscapes to improve and conserve their biodiversity.

All events are open to the public. Gold coin donation for evening talk. For more information: Jim Foran 4885 1081

NATIVE GRASSLAND MANAGEMENT FIELD DAY

You are Invited to a Field Day on Sustainable production in grassy sites, How to recognise and identify common native plants & Grassy ecosystem identification.

Friday, 2nd November 2007
From 9:00 am to 3:00 pm
at

Lerida Travelling Stock Reserve
Corner of Collector –Gunning Rd & Lerida South Rd

Friday, 9th November 2007
From 9:00 am to 3:00 pm
at

Gundry Travelling Stock Reserve
5km south of Goulburn on Windellama Rd, opposite the airport.

Staff from the Goulburn / Yass Lands Protection Board and Native Plant Specialists from the HNCMA, LCMA., Environment ACT, Will conduct paddock walks and native plant identification activities. Participants will learn how to identify and manage native grasslands and a catchment officer will

To ensure a placement and to assist with catering, you must register with the Goulburn Rural Lands Protection Board by 26th October 2007. Ph 48212522

Up Coming Events

RAINFOREST RESTORATION

You are invited to a Rainforest Restoration Workshop Wednesday 31 October 2007 10am - 2pm FREE!

on the McAra property near Gerringong Workshop includes an introduction to:

- Rainforest plant identification and general ecology
 - Lantana and other weed management techniques
 - Rainforest restoration plan—where to start?
 - Red Cedar trial site—growing natives for future harvest
- This workshop is for anyone interested in preserving the rainforest that remains in the Illawarra-Shoalhaven.

Please bring :

- Morning tea, lunch, drinks
- Bushwalking clothes including wet weather gear if raining
- Notebook/clipboard, herbarium (if you have one) -
- a 'plant ID' table will be set-up at the end. Please label your specimens with essential information prior to pressing.

Please note: There will only be 'bush toilets' until lunchtime—go before you leave home!

The walk will take up to 2 hours as there is plenty to discuss along the way.

Can't make it? Don't worry! A similar Workshop will be run on 17 November in the

Wollongong Escarpment— Bookings for that one: Wollongong Bushcare Ph 4253 2101.

Writing a grant or tender?

The Capital Area Consultative Committee has advised that a

series of free grant and tender workshops are being held in Nov. Tues Nov 6 from 12 noon to 5 pm at the Goulburn Soldiers Club. Ideal for community groups. The workshops will provide information on how to present quality submissions when applying for government grants and tenders. Registration is essential on 6162 4455.

For more information Contact: Helen Ward HNCMA Goulburn 4828 6752



Hawkesbury-Nepean Landcare

Forum

Friday 30 November 2007

Bowden Centre at Mt Annan

Botanic Gardens

The Forum is a celebration of Landcare's contribution and a thank you to Landcarers in the Hawkesbury-Nepean Catchment.

It includes:

An inspiring talk, 'Achieving sustainability in a crazy world', by environmentalist and ABC Radio Science Correspondent, Professor Nicholas Klomp;

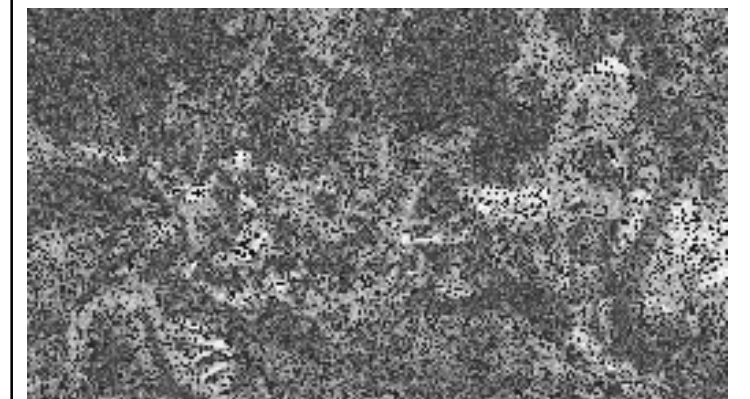
Tours to the Stolen Generations Memorial and the Seed Bank and Nursery at Mt Annan; and

The Hawkesbury-Nepean Regional Landcare Award presentations.

FREE morning and afternoon tea, lunch and entry to

Mt Annan Botanic Gardens.

A great opportunity to get to know other Landcarers.



Registration essential - Contact Helen Ward

Daniel Anderson - Geoff O'Connor

Ph (02) 4861 9012