

Celebrating 25 years of Landcare

Camden Haven Landcare Group's 23rd year

Reflections by Richard Cullen...

Firstly I have to say that in a society that sometimes appears to be dominated by consumerism, drugs legal or illegal, and an egocentric existence there is a group of people whose sole concern is the health of the environment. No money in your pocket at all.

Barry Barr who has been with the group since its inception in 1992 is a great example. Our group of 18 has carried out a wide range of work – riverbank restoration, town streetscape, school rainforest, roadside, rural restoration, etc.



Camden Haven Landcare Group 22 years on, still going strong!
Rob Meixner, Christine Cullen, Jim Lewin & Ken Lewin.



Beautifying the entrance to Kendall 12 years ago. Camden Haven Landcare Group's Margaret O'Brien, Christine Cullen, Rob Van Ryn, Elizabeth Van Ryn, Peter O'Brien with Kim Gollan from Dingo Creek.

But as important as all that the bonhomie of our group is outstanding. Our monthly meetings are great fun (including serious discussion). Robert Meixner, a whirlwind of energy, has made an enormous impact.

But Landcare can change one's nature. Atavistic (hidden qualities in earlier ancestors) tendencies can appear. We now kill weeds and large trees with impunity and look back and admire our achievements.

As part of this year's celebration of 25 years of Landcare as a national program, Landcare Australia is offering 25 \$1,000 Landcare Week Grow Grants and 25 \$1,000 Planting the Future Junior Landcare Grants. Applications close June 13.

Visit www.landcareonline.com.au/25years for application forms and criteria.

supporting
voluntary natural
resource management
in the Hastings and
Camden Haven
catchments



The office is now open
Same place—better
space

Drop in to the newly
renovated Hastings
Landcare Office at

44 Cameron St
Wauchope

Tuesday-Thursday

8:30am—12:30pm

Call 65 864 465



Projects in Focus - PURG survey fish and marine debris



Port Macquarie Underwater Research Group's valuable work has been supported by a small grant from North Coast LLS

PURG members found it very satisfying to be able to contribute to the health of our waterways.

During marine debris surveys the debris load is measured in a corridor 2.5m on either side of a tape spanning 25m which is laid across the substrate. This gives us one transect, and at least 4 transects are assessed at each site. Items are counted and classified into broad categories. In order to provide a more complete picture of the debris load, additional roaming



searches are conducted for a further 30 minutes at each site. Most of the debris found was fishing line and

other fishing-related items. Tyres and car parts also featured, and of course, the usual bottles and cans.

PURG gratefully acknowledges the financial support received from the North Coast Local Land Services through the Small Grants Program managed by Hastings Landcare which enabled them to complete a set of survey dives between February and April 2014.

The results of the fish surveys and the marine debris surveys are submitted to the National Marine Science Centre at Southern Cross University, where they are included in the SCU marine database.

The database covers all the coastal waters of NSW and the data is collected by groups of qualified divers that constitute the 'Underwater Volunteers of NSW'. Since 2007 PURG has regularly and systematically collected data from several dive sites extending from Point Plomer to Crowdy Head. We have been asked to pay particular attention to 62 fish species that have been targeted by SCU and we also maintain a comprehensive fish list of all the species that have been observed in the study area.

During the survey period we encountered a variety of conditions, from very calm seas to large swells that buffeted the boat and caused strong underwater surges. The sea temperatures were relatively mild with the occasional thermocline, where colder layers were found as we descended. Visibility was also variable, ranging from 2 metres at the Cod Hole to 25 metres at Shelly's Wide. The dive at the wreck of the Titan had to be abandoned as nothing could be seen in the gloom.

The best visibility encountered was at Shelly's Wide, where huge schools of Eastern Pomfrets hung in the water and a wide variety of fish were sighted, including large Wobbegongs. The dive at Point Plomer (Barry's Bay) was quite different as it is a weedy surge area, with thick kelp beds. Certain fish such as Herring Cale favour this location, and a turtle was also seen here. While undertaking the marine debris survey in the Camden Haven River we were surprised to find a few tropical fishes, like Gunther's Butterflyfishes and a Dusky Butterflyfish, in addition to the usual inhabitants such as Bream and Luderick.

PURG Underwater Clean-up dive: Sunday 2 March 2014

Two "look-outs" on the dive boat kept 13 divers in sight as they swam from Lady Nelson Wharf towards the Fish Co-op, up to the bridge and then along to Westport boat ramp.

Several Port Macquarie Landcare members cleaned the shore-line and took the bags of rubbish from the divers. We collected 7 bags of glass bottles, plastic cups and bottles, cans, clothing, toys and fishing line. In addition we found 2 shopping trolleys, a scooter, a large car bumper, 2 chairs, some pvc pipe, a fishing rod, a fence base, a traffic cone, a mobile phone, and other bits and pieces.

The divers also saw several Stingrays, an Octopus, Luderick, Stripeys, Flatheads, Crested Morwongs, Flounders and a Spanish Dancer. Generally the river appeared to be healthy and it was satisfying to be able to contribute to keeping it in a good condition.



Happenings— Where food comes from

excursion to Wauchope
to go visit a dairy farm and a herb
farm.




St. Colomba Anglican School year 3 students visited Oxhill Organics and Koree Herbs. Here are some gems from Chloe Hanlan, Tanya Nagrani and Eloise Miller



First we went to Redbank Organic Farm. Once we got there we were welcomed by Chris, Ann and Jimmy, their son. Jimmy gave us a talk. He said that his farm was organic which means that they used no chemicals. He also told us that he is the fifth generation farmer. One of the things he told us was amazing, he said that his farm was the size of 500 football fields and that they had more than 3000 animals.



They move the chickens every day. These are the types of chickens that you can get: Isa Browns and Australorps. This is a tip, don't ever look in the eye of a chicken, otherwise they will peck you. After Chris said that we went to see the chickens. Chris let us pick up the chickens. He explained how they sleep. At night they go on the perches with their heads down.

There is a chicken laying area that is on the top of the chicken house. It has flaps in the front of the box that they lay in. Chickens love chicory weed.

The cows sometimes have to move places otherwise they will eat all of the grass. Some people dipped their hands in milk and put them into the calves' mouths for them to suck. They sucked hard. We named three calves; Columbo, Iona and Rosie.





After that, Chris brought the cows in, the cows have babies when they are 2 years old.  They eat 80-100 kg of grass a day and make 15-20 litres of milk a day. 



The second farm is called the Koree Herb Farm. The people who owned the farm are Lauchie and Jan. They showed us how they use old bark to make compost for their herbs and plants. Compost is a very good soil to use for your garden. This farm is also organic.

Then we went to the garlic strips. We got to collect garlic for free. They told us that they planted garlic in autumn and harvested in November and changed fields every 3 years for the soil to be better.



Following that we went to see some Tea Trees which they make into Tea Tree oil, which you use for mossi bites and stuff like that.    

Projects in Focus

Greater Hastings Biodiversity Fund

BIODIVERSITY FUND Round #2 (2013-2017)

Australian Government

4 years of funding through the Biodiversity Fund for works in our area.

New and emerging invasive species such as Camphor laurel and Weeds of National Significance (WONS) such as Madeira Vine and Cats Claw will be targeted across the Wilson, Pappinbarra, Middle Hastings, Upper Hastings and Camden Haven River catchments. Works will focus on restoring the riparian zone vegetation and stability and improving water quality.

In the first 2 years of the Biodiversity Fund project we will be working with an existing list of landholders whose Expressions of Interest were submitted as part of the overall project application.

We are currently working with these landholders to develop Site Action Plans and works budgets for approval. The project will also support Port Macquarie Hastings Council's **riparian vine weed control program** by funding post flood control of Madeira Vine and Cats Claw.

Part of the project will be Workshops and Field Days on a range of biodiversity topics – once scheduled these will be listed in the events calendar. Opportunities for additional landholders to submit project proposals will be advertised in 2015.

'SMALL GRANTS PROGRAM' 2013-14



**Local Land
Services**
North Coast

The 2013-14 Local Land Services 'SMALL GRANTS PROGRAM' is being delivered in partnership with eleven Landcare Networks of the Northern Rivers region. The LLS Small Grants Program is supported by the Australian Government and the New South Wales Government's Catchment Action NSW.

Hastings Landcare Inc. is the 'HOST Landcare Network' for delivering this program in partnership with Macleay and Nambucca Landcare Networks.

Twenty nine projects were funded in this region, with collective funding to the value of almost \$205,000.

In-kind contributions from landholders and groups are expected to bring the value of these projects to, conservatively, around \$500,000.

The diversity of projects funded is reflected on the next few pages and includes:

- Dung Beetles for Rollands Plains;
- Bush Regeneration at Dunbogan (NPA);
- Microherders trialling biological farming techniques;
- PURG marine surveys;
- Riparian corridor restoration by Port Macquarie Landcare Group;
- Improved grazing management, revegetation and riparian management on several private properties

North Coast Local Land Services commenced operation on January 1.

Local Land Services brings together a wealth of technical and advisory knowledge from Livestock Health and Pest Authorities, Catchment Management Authorities, and some agricultural advisory services from the Department of Primary Industries into a new grass roots model for regional service delivery. North Coast LLS is establishing a region wide **Community Advisory Group (CAG)**. The CAG will be a high level advisory group of key stakeholder representatives from across the region to provide advice to the NCLLS across its delivery of Functions and Services. The CAG will have approximately 20 stakeholders and meet approximately twice a year.

The **Expression Of Interest** process launches 26 May for 3 weeks until **16 June**. Look out for advertisements in your local newspaper and for more information go to www.northcoast.lls.nsw.gov.au

Projects in Focus

NATIONAL PARKS ASSOCIATION DUNBOGAN RAINFOREST REGENERATION

April and May saw nineteen volunteers contributing more than 260 hours to plant 337 seedlings over 2ha as well as spread truckloads of mulch and control weeds over 5ha at Dunbogan.

Weed control involved spraying of white passionfruit, winter grass, broadleaf paspalum and wandering jew; hand treatment of lantana, asparagus fern, morning glory vine, bitou bush and senna.

NPA BUSH REGENERATION CAMP AT KYLIES BEACH 2- 6TH APRIL

This year's National Parks Association (NPA) bush regen camp was based at the beautiful spot of Kylie's Beach, south of Diamond Head, from 2nd-6th April. The fully equipped NPWS catering trailer was set up on the Wednesday morning making camping very easy for the twenty eight volunteers who participated.



Volunteers spreading three truckloads of mulch

This year Diamond Head was due for its two yearly clean up, mostly involving lantana, bitou bush having been almost eradicated through 45 years of hard work. As well, several areas cleared of lantana around Kylies Beach last year required follow up, while hind dunes required much work as the result of last year's bush fire and consequent explosion of bitou seedlings.

The work complements that of a huge area to be covered by a contractor. Enabled through a highly valued North Coast LLS grant, a contractor will be working around the shores of Watson Taylor Lake and as follow up to aerial spraying by NPWS. The achievements both in the national park and north at Dunbogan will be consolidated and extended through this grant.

Twenty eight volunteers put in 270 hours in planning and manual treatment of bitou bush, lantana, white passionfruit, senna and watsonia.

In addition to aerial spraying, NPWS staff provided many hours in planning, tool and poison kits, catering trailer and manual weed control work with volunteers. Exemption from camping and park entry fees was available to volunteers.



Volunteers following up 45 years at Diamond Head

BUNYAH LOCAL ABORIGINAL LAND COUNCIL RESTORES COASTAL LANDS AT DUNBOGAN

Thanks to funding from the Australian Government, Bunyah LALC were able to control weeds over about 18.5ha of coastal land at Dunbogan.

Amongst a number of coastal weeds, extensive infestations of the tuberous Glory Lily (*Gloriosa superba*) and Turkey Rhubarb (*Acetosa sagittata*) were located and removed manually and treated with herbicide.

Projects in Profile

'Three Brothers Region' - Cultural Heritage and Landscape Guide

This Guide provides a fresh approach to the outstanding natural features of the 'three brothers' and their significance to the local aboriginal community.

It has been developed with funds from the Australian Government by Hastings Landcare Inc in partnership with the Johns River Progress Association.

The Guide features a 'Welcome to Country' written by *Nardja Davies with the support of the Gathang Language Group of the Birpai Local Aboriginal Land Council.*

The Birpai people today still have strong connection to this country, like their ancestors they enjoy all that this "area of plenty" has to offer, the amazing coastline with all the treasures that it contains, vast bushlands that are home to a wide range of creatures, pockets of rainforest to explore and enjoy, wetlands overflowing in birdlife areas. The 'Three Brother Mountains' are listed 'Aboriginal Places' by the NSW Government.

Artwork by the Gangga Marrang Artists Group is a special feature of the Guide along with information on traditional plant uses and Gathang language plant names.

The landscape is put into perspective in geological terms and 3 touring routes highlight local features from the volcanic intrusions of Big Nellie, Flat Nellie and Little Nellie into the sedimentary escarpment of the Lansdowne Escarpment to the more recent coastal dunes of Crowdy Bay National Park.



The Three Brothers Guide



**A Cultural Heritage and Landscape Guide
to the Three Brothers Region
on the Mid North Coast
of New South Wales, Australia**



Photo: Nardja Davies on Middle Brother 'Old Lookout'

'Global Biodiversity Hot Spot'

The botanically significant 'Three Brother Mountains', along with Coorabakh NP, have ~10 nationally listed & a further ~ 20 state listed threatened entities along with ~10 at their geographical limits. The corridor is within the 'Forests of East Australia: Global Biodiversity Hotspot' (CSIRO). With current climatic instability the continuity of the corridor becomes extra valuable for movement & as refugia.

Whilst this Stewarts River catchment is relatively small in size (~22 km from escarpment to coast as a crow flies), it is recognised as being highly significant for fauna movement, including nationally threatened entities, species at their geographic limits & endemic species.

The Guide is in its final draft stage – please contact the Landcare Office 65 864465 for a copy.

Aggressive exclusion of birds from woodland and forest habitat by Noisy Miners

has been listed as a Key Threatening Process in NSW. The Noisy Miner favours open, lightly timbered areas and habitat edges and so has benefitted from large scale vegetation changes including forest and woodland clearance and fragmentation, as well as a reduction in understorey vegetation by livestock grazing, invasion of exotic grasses and altered fire regimes. A range of threatened woodland and forest bird species are adversely affected by aggressive exclusion by Noisy Miners from areas of otherwise suitable habitat, which limits feeding, breeding and dispersal opportunities and therefore ultimately population size and persistence.

Projects in Focus—Dung Beetles for Rollands Plains

Dung Beetle Research for our Local Area supported by North Coast LLS

Rollands Plains Landcare Group has attracted funds of \$3,080 to conduct research into Winter active dung beetles for Rollands Plains and surrounding areas.

The aim of the research is to identify species that are viable over Winter that will reduce the cattle dung load in pasture over the colder months of the year.

The problem found by many local cattle farmers is that in the cooler months their very active dung beetle population lay off work and hibernate until warmer conditions return in Spring. Dung beetles are great at breaking down cow pats and improving soils with quick recycling of fresh manure.

If Winter active dung beetles can be sourced the present unused cow pats that just dry out and inhibit pasture growth in Winter can be made to work for the benefit of soil humus and improve soils overall.

As part of this project, Dung Beetle expert Bernard Doube visited Rollands Plains in March and passed on a wealth of knowledge and ideas to an

enthusiastic crowd. 12 families committed to regular monitoring of dung beetles on their properties. Trapping beetles is a simple thing to do, costs nothing but a little time and uses manure for a bait... surely you have some of that just lying around.

You are encouraged to get involved in the monitoring project or just learn more about the many and varied benefits of dung beetles by contacting Stewart Armstrong on 65 858 075.



Projects in Focus—Feral Animal Control

Nest boxes for natives

Generous support from the North Coast LLS enables Land for Wildlife participants in the Hastings access to a variety of humane feral animal traps as well as some well-designed and constructed nest boxes for native fauna.

Bernard Whitehead delivered an informative workshop on wildlife nest boxes and feral animal control. Bernard freely shared his knowledge and expert tips on trapping feral animals and constructing, siting and mounting nest boxes.

In addition to the Indian Myna traps, Landcare now has soft-jaw fox/cat/dog traps, cage traps for rabbits/cats and a multiple-trap pig trap.

Various lures and all of the other essential items to make your trapping efforts successful are also available. Contact the Landcare Office for more information and to register to borrow the equipment.



Native Bee Rescue

Native Bee enthusiasts Gail and Mick Abercrombie presented a fascinating session on the diverse lives of the many Australian native bees.

Black Stingless Bush Bees are able to be kept in constructed hives, and while they produce a relatively small amount of honey, their pollination services are essential to native flora.

As the threat of varroa mite descends on the European honey bee, we will need to rely on our native bees for pollination of most of our food crops. Indeed, our native bees are increasingly employed overseas as crop pollinators where honey bee populations have plummeted.

As with most of our threatened fauna, Black Stingless Bees make their homes in tree hollows and are vulnerable to the continual demise of our old hollow bearing trees.

Gail and Mick are accomplished bee rescuers and took us through the procedure of rescuing endangered and damaged hives. If a hive is identified before the tree is felled, the chances of a successful rescue are high. If the hive is in pieces, rescue success is limited. Shattered hives will not relocate by themselves as the queen cannot fly.

For more information on the rescue and relocation procedure and for box designs and hive splitting, contact Gail or Mick on 6559-4390 or mobile 0421 816 171.

Or refer to the Australian Native Bee Research Centre <http://www.aussiebee.com.au> which has a range of booklets to describe how, ie. Booklets No. 7, 8, 9 & 10, and also sells related material including an excellent book called Australian Stingless Bees by John Klumpp, one of Australia's most creative and talented stingless bee keepers.



Removing Lantana? Think about Reed Bees

Native Reed Bees (*Exoneura* species) nest in lantana stems and colonies can often be accidentally destroyed in bush regeneration projects. In "ideal" lantana patches it is not unusual to find almost every available twig with a hole in it, including broken off ones caught up in the undergrowth—if these are long enough they may even have a nest in either end. Look for a neat round hole with in the central pith, a millimetre or two in diameter—there can be several species of *Exoneura* using the lantana even within the same patch.

To relocate the bees, block off the entrance hole with a plug of cotton wool or tissue. This is best done in the afternoon or on overcast days so no workers get left out of the nest.

Secure the plug with sticky tape or blu-tac, then carefully break or cut the branch off about 50cm from the end to capture the entire nest. You can bundle a few nests together.

At the new location, the entrance should be exposed but the rest of the twig should be firmly attached to a branch. On nightfall, carefully remove the plug. The following day the bees will start foraging. Try to protect these nests against ant attack, especially while the nests are becoming established.

Nest sites for reed bees can also be provided by simply pruning dead branches of plants such as lantana and bitou. Select branches which are more than 5mm in diameter and cut them just far enough back to expose the pithy centre. Leave enough length in the branches for the bees to nest in.

Microbes, Minerals and Management



Kempsey, May 17
Bob Shaffer and Jeremy Bradley presented an excellent day of information and insight based on practical experience and research in agriculture. The pair could not overemphasise the value of organic matter in soils. Supporting local businesses and organisations and a Q&A forum kept the 80-strong crowd engaged.



Australian Government



These events were enabled with funding through North Coast Regional Landcare Network Inc., Hastings Landcare Inc., Macleay Landcare Network and the Australian Government.

Sally Ayre-Smith and Marcus Skipper hosted a composting workshop at Sweetwater Farm in March. Jack Waterman, connoisseur of compost went into detail about the ingredients and make-up of the compost pile, not least of which is the complex array of microorganisms that inhabit quality compost and the variety of roles they play. The afternoon was spent building a compost “ring” under Jack’s direction. We anticipate a high grade compost suitable for making compost tea. Marcus has been tracking the progress of the compost as well as turning the heap when it reaches the critical temperature of 65 degrees and you can find information about this compost pile on the Mid North Coast Microherders Facebook page. Marcus reports the compost should be ready for the field day on June 18.



Making compost with a diversity of inputs under the direction of Master compost maker, Jack Waterman

Thanks largely to Bonnie Walker from Soilcare, we were again able to host biological farmer Bob Shaffer at Kempsey Showground in May. Bob teamed up with our “home-grown lad”, Jeremy Bradley, to deliver an enthralling day on Microbes, Minerals and Management. Biological activity and organic matter in soils

performs 7 important functions:

- Retains minerals from decomposition
- Immobilises minerals, preventing leaching
- Recycles immobilised minerals
- Promotes plant growth
- Prevents disease in plants
- In the presence of adequate calcium, enables aggregation of soil particles
- Decomposes toxins.



Teamwork in action: compacting the compost

For more information about soil biology, check out Mid North Coast Microherders on facebook. Here you will also find a list of references and articles and links that Bob and Jeremy referred to.

Thanks to local businesses and organisations that contributed to an interactive and informative day.

RESOURCES

Hastings Landcare Library

Missed Joel Salatin when he visited Taree recently? Or just want to catch some inspiration from his latest release?

You can borrow resources from the Landcare office on just about any land management topic, including recent releases on dung beetles, weed management, soil health, beef cattle health, grazing management for horse properties, feral animal management and improving habitat for native bees and butterflies.



New Phone App. helps wildlife

Wildlife Rescue App, a free mobile phone application - the first of its kind in Australia - puts you in direct contact with the nearest rescue organisation in NSW, at the touch of a button. IFAW and the NSW Wildlife Council partnered to develop this App. The Wildlife Rescue App is available on the **Apple Store** and the **Android Market**, or go to wildliferescue.ifaw.org

Marine Ply Offcuts available

Andy Jung has on offer marine ply offcuts of various sizes suitable for nest box construction. Contact Andy on 65877271 or 0418 863778

Winter Active Dung Beetles *Bubas bison* available NOW

John Feehan has colonies of *Bubas bison* available now at the discounted price of \$550 per colony plus transport. *Bubas bison* is a large dung beetle which burrows deeply and actively buries dung from about May to November. It is suited to winter rainfall areas south of here and while there is no guarantee that it will establish in our area, a release at Pappinbarra resulted in development of larvae. If you are interested, contact John NOW on 0414 938 621 and confirm your order with Pam (mcnamara@internode.on.net).

Hastings Organic Group

Established in the late `1980's has recently folded – they have donated their remaining funds to Hastings Landcare, \$1,400 to be used to support the Farm Gate Tour

LANDCARE Community Nursery

community nursery for community re-vegetation

The role of the nursery is to provide local provenance indigenous plants. This not-for-profit nursery operated by Port Macquarie Landcare Group enables your project's funding to go further.

NPWS Depot, end of Blackbutt Rd, Port Macquarie
Monday 9am—12 noon Other times by arrangement.

Contact: Estelle Gough 6583 6508 / 0432 141605

MID NORTH COAST MICROHERDERS

Soil biology discussion group

MONTHLY MEETINGS

2nd Wednesday of the month in

*Wauchope, also meeting in Macksville
and Kempsey.*

ALSO ON FACEBOOK

NEST BOXES— Hastings Mens Shed are now selling nest boxes – **MADE TO ORDER**, and Indian Myna traps. The Hastings Men's shed meet each Tuesday, Wednesday, and Thursday morning at their Shed in Central Rd, Port Macquarie. Phone Malcolm Merrick - 65814421 for more information.

HASTINGS BIRDWATCHERS

Birdwatching in the Port Macquarie and Hastings Region of NSW, Australia

Check out the **upcoming Clubs Field Trips**—
www.hastingsbirdwatchers.org.au



COMING EVENTS AUTUMN 2014

please register for all events
on 6586 4465 or 0467 864465
or hastingslandcare@midcoast.com.au
(unless noted otherwise)



Hastings
Landcare
Inc.

MONTH	DATE	TOPIC / PRESENTER
June July August	11 9 13	Mid North Coast Microherders, Wauchope Senior Citizens Hall 7-9pm with Jeremy Bradley. Contact Jeremy on 65856202 or email Jeremy@mncmicroherders.org.au
JUNE LONG WEEK-END	2015	Unfortunately we have had to cancel the Farm Gate Tour for 2014 It will be on in 2015 !
June	Wednes- day 18 th	SOIL BIOLOGY DAY – Biological Soil Building 9.30 – 2.30 with Mid North Coast Microherders - demonstration of application of compost tea integrated with yeomans plough and how to use the 'Soil Health Card TEST' 9.30 -2.30 – Morning Tea and Lunch Provided. 'Roscommon Farm', 140 Tower Road, Pembroke off Pembroke Village Road, ~ 400 m north of the Royal Pembroke Tennis Courts RSVP to Hastings Landcare on 65 864465 by Tuesday 17th June 4 pm
June	Thursday 19 th	NEW NOXIOUS WEED LISTINGS The workshop will : ◦Introduce new weed species ◦Provide guidance on best practice control techniques for each weed ◦Provide update on Council's own weed control activities in relation to cross tenure weed control ◦Provide update on weed control on Council's and public authority land. ◦Discuss approaches to the management of widespread weeds on private property (Camphor Laurel and Small Leaf Privet) COMBOYNE War Memorial Hall - 6.00pm until 8.30pm If you are able to attend then please RSVP to Port Macquarie Hastings Council for catering and planning purposes. More information contact Thor Aaso on (02) 6581 8111 or email thor.aaso@pmhc.nsw.gov.au



HatCH in Colour - available on
www.hastingslandcare.org.au

HELP SAVE RESOURCES—

We are striving to reduce the amount of paper we consume in this production and you can help!

If you would be happy to receive the newsletter electronically please let us know and you will then be notified by email when the newsletter is available on the website.

HatCH presents a forum for the expression of a range of opinions.

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