



# Newsletter for Landcare and Dunecare in Byron Shire

<http://www.brunswickvalleylandcare.org.au/>

Connect on facebook

May 2016

<b>JUNE</b>	<b>3</b>	<b>NRFABCON Fire Forum</b>
	<b>5</b>	<b>World Environment Day</b>
	<b>18</b>	<b>Renew Fest</b>
<b>JULY</b>	<b>1</b>	<b>Field Day to Visit Regen Trail Plots</b>
<b>AUGUST</b>	<b>5</b>	<b>Weed ID Workshop</b>

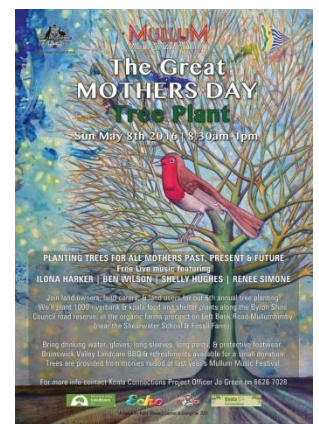
## Mothers Day Tree Planting by Alison Ratcliffe

Our Mothers Day Tree Planting was the 6<sup>th</sup> Annual Mullumbimby Music Festival tree planting and was a great success. Over 200 people attended and 1000 plants were planted.

We celebrated all mothers past, present and future and of course Mother Earth. Special moments included someone plant their mothers ashes with one of the trees and someone else had their mother on video call as they planted a tree for her as they couldn't spend the day together.

There was wonderful entertainment from Miss Renee Simone, Illona Harker, Shelley Brown and Ben Wilson. Brunswick Valley Landcare provided refreshments.

A very special thank you to everyone that came along and helped make it a very special day and also to Dave Rawlins, Jo Green, Pete the BBQ king, Shearwater Steiner School, Byron Shire Council, Uncle Toms Pies and The Echo.



Photos courtesy of Nino Haggith

## Join the 'Land for Wildlife' scheme

The Land for Wildlife (LFW) program is a voluntary property registration scheme for landowners who wish to manage areas for biodiversity and wildlife habitat.

Land for Wildlife encourages and assists landholders to include nature conservation along with other land management objectives.

Land for Wildlife is free to join and is not legally binding. Registration in the scheme will not change the legal status of a property.



**Brunswick Valley Landcare are pleased to announce they have taken on the regional provision of the Land for Wildlife scheme for Byron Shire.**

### ***Who is eligible?***

Land for Wildlife welcomes landholders who:

- Have a property with at half a hectare or more of native bush land,
- Are willing to manage part or all of their property in an environmental sustainable way,

A “*working towards*” registration category is available to landholders who do not qualify for full registration at the first property visit.

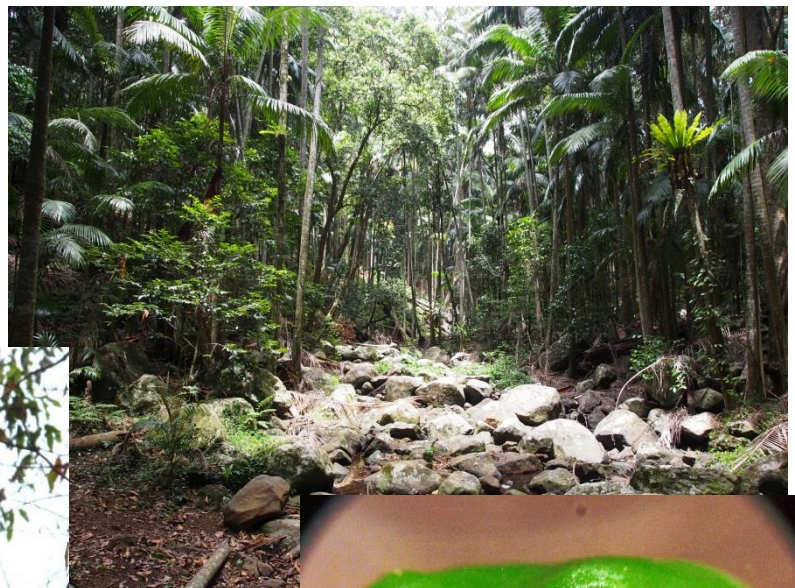
### ***Benefits of joining LFW***

- There is no cost and the title of the property is not affected
- Registration puts landholders in touch with like minded people and to receive useful information or invitations to workshops

Landholders who qualify for registration receive:

- A site visit from one of our trained assessors
- a Land for Wildlife sign in recognition of their commitment to wildlife conservation.
- ongoing support and advice through - workshops, field days, newsletters.

For more information on Land for Wildlife including how to apply to become a registered property please contact Alison Ratcliffe, Landcare Support Officer on 02 6626 7028 or email [alison.ratcliffe@byron.nsw.gov.au](mailto:alison.ratcliffe@byron.nsw.gov.au)



# FIRE FOR HEALTHY LANDSCAPES FORUM

3rd June 2016

Southern Cross University,  
Lismore campus, Room P158

10 Presenters

Come along to gain inspiration and information about using fire as a management tool for biodiversity outcomes. Share in the experience of qualified practitioners, ecologists and researchers that have been involved in current fire projects.

For more information and to register go to

▶ [www.nrfabcon.org.au](http://www.nrfabcon.org.au)

RSVP Essential (limited numbers available)

FREE

Morning tea and lunch supplied



NORTHERN RIVERS FIRE AND  
BIODIVERSITY CONSORTIUM



Local Land  
Services  
North Coast



# Renew Fest



June 18 2016

**COREM**, in partnership with Byron Shire Council, Brunswick Valley Land Care, Santos Organics, Mullum SEED

Bring you the SEED day of the inaugural **RENEW FEST**  
Celebrating the LIVING ACTIONS of all things Sustainability!

**June 18 2016 - 10am till 10pm**  
**Mullumbimby Show Grounds**



Keynote Speakers, Panelists, Renewable Energy, Biodiversity, Food Sovereignty, Solar Battery Expo featuring the TESLA Powerwall, Music, Dance, Entertainment, Presentations & Workshops, Waste Free Living Food, Produce, Info Stalls, Community Action Groups, Tree Planting, Youth & Little Peoples Program.  
Powered by The Solar Sunflower Sound System



By Donation ALL Proceeds going to [COREM.org.au](http://COREM.org.au)  
[Renewfest.org.au](http://Renewfest.org.au) [facebook.com/RenewFest.ByronShire](https://facebook.com/RenewFest.ByronShire)

Sponsored by





2016

# PEOPLE, PLANET AND PROFITS

## 6th National NRM Knowledge Conference

6th – 8th June 2016 Novotel Pacific Bay, Coffs Harbour NSW

Conference Program is now available <http://www.conference.nrmregionsaustralia.com.au/docs/2016-NRM-Conference-Program.pdf>

## Claim the date - 2016 National Landcare Conference and Awards 21st – 23rd September 2016

Celebrating from the place where it all began, the 2016 National Landcare Conference and Awards will be held at the Melbourne convention and Exhibition centre. The National Landcare Awards ceremony and gala dinner will this year feature 69 finalists, nominated across nine categories, from all parts of Australia. Further information about the call for abstracts, event registration and conference program will be announced shortly.

## Wilsons Creek Huonbrook Landcare working bee

At the **first crossing Upper Wilsons Creek** next **Friday May 20<sup>th</sup>** from **9 am to 11 am**. Take the right fork in the road when you reach 3-ways Café if you are travelling up the valley.

We will be planting trees on this site which is in need of some TLC.

Bring gloves, hats, digging tools, buckets for watering and snacks - and help with this worthwhile community project.

Many hands get the trees in the ground! (Old Landcare saying)!



## Soilcare Workshops

Monitoring and Managing Soil Biological Fertility with Dr Ash Martin and Dr Maria Manjarrez, Microbiology Laboratories Australia.



Tweed: Thursday, 19 May 2016, 10.00 AM - 2.00 PM  
Sustainable Living Centre at Cudgen, Altona Drive, Cudgen

Lismore: Friday, 20 May 2016, 9.00 AM - 1.00 PM  
Southern Cross University, N Block, Room N2.08 (Biology Lab above EAL)

Would you like to know more about: how soil microbes cycle nutrients, biomass of the different microbial groups in your soil, microbial diversity in your soil, how your management practices affect microbial groups and diversity in soil. Get the Flyer [Here](#)

18<sup>TH</sup> ANNUAL  
**Big Scrub Rainforest Day**

Sunday 16 October 2016

ROCKY CREEK DAM



PRESENTED BY ROUS WATER & BIG SCRUB LANDCARE | ORGANISED IN ASSOCIATION WITH ENVITE

Further information available at [www.bigscrubrainforest.org.au](http://www.bigscrubrainforest.org.au)

Established in 1999 and held every year since, the Big Scrub Rainforest Day is recognised both regionally and nationally as one of Australia's premier annual Landcare community engagement and education events. We celebrate community involvement in the ecological restoration of the Big Scrub Rainforest through a fascinating festival program focusing on ecology, science and the environment.

The 2016 Big Scrub Rainforest Day is going to be our most successful to date. Iconic Environmentalist Bob Brown will be our keynote speaker and as with previous years the program will see some of Australia's leading ecologists, rainforest regenerators, naturalists, scientists and other professionals sharing their expertise through presentations, practical workshops and ecological walks and talks. The event will provide activities for the whole community including food, entertainment and a wide range of business festival stalls and family activities.

Presented by the Big Scrub Rainforest Landcare Group and Rous Water with the support of our sponsors within local and regional community organisations, Landcare groups, local government, local businesses and state government agencies.

For information please visit [https://bigscrubrainforest.org.au/?page\\_id=3804](https://bigscrubrainforest.org.au/?page_id=3804)

## **Murwillumbah Historical Society Speaker Night**

When: Wednesday 25 May, 5pm – 7pm

Where: Tweed Regional Museum, 2 Queensland Rd Murwillumbah

The Society is pleased to present the first in its series of Speaker Nights for 2016. Our presenter will be Luis Weber with the topic, The Border Ranges: Understanding the Past to Conserve the Future.

From childhood, Lui has explored the Tweed from the mountains to the sea. He has developed a wide field experience in recognising rare and unknown species. At 16 he represented Wollumbin High School for the INTEL Young Scientist, winning the Environmental Science Award for his survey of the rare Red Fruited Ebony. His current research is into the Caldera Cloud Forests and the role of megafauna in dispersing seeds of rare plants.

Cost: Gold coin donation to help cover costs

5pm – 6pm: sausage sizzle and tea/coffee in the courtyard. 6pm – 7pm: Talk by Lui Weber

Please RSVP (essential due to space constraints) to (02) 6670 2273 (please leave a message if no answer) or email to [secretary@murwillumbahhistoricalsociety.org.au](mailto:secretary@murwillumbahhistoricalsociety.org.au)



## COREM Byron to Bruns beach walk for climate action Sat 28th May

Join like minded people to reflect on the climate issue as we walk past areas being impacted by climate change right now.

However, the day is also about uniting together to celebrate and share the creative solutions that we can pursue to reduce the impacts climate change will have on biodiversity, landscapes and society. Be involved to be part of the solution and share your experience with family and friends for sponsorship. These funds will build local community owned solar projects.

Full details are at [www.corem.org.au](http://www.corem.org.au) and if you are unable to participate in the walk you can support this initiative by contributing to <https://planetfunder.org/projects/corem-walk> and spreading the message that we need to take action today.



## State-wide review of pest management in NSW

The Natural Resources Commission (the Commission) is undertaking a review of pest animal management in NSW.

The draft report is now available.

You are encouraged to make a submission by **Wednesday 18 May**.

To view the draft report and/or how to make a submission click the link below. Pest animals are a shared problem that needs shared solutions from all members of the community.

[www.nrc.nsw.gov.au/pest-animal-management](http://www.nrc.nsw.gov.au/pest-animal-management)



## Biodiversity Conservation Act and amended Local Land Services Act

The NSW Government has released a new draft Biodiversity Conservation Bill, a Local Land Services Amendment Bill, and information about proposed land clearing codes. The legislative package is designed to replace the Native Vegetation Act, Threatened Species Conservation Act, the Nature Conservation Trust Act and parts of the National Parks & Wildlife Act. The package will be on public exhibition for the next eight weeks, and submissions close on **Tuesday 28 June 2016**.

Landcare NSW has secured funding to run information sessions on the draft and its ramifications, with representatives from NSW EDO, Nature Conservation Council, NSW Farmers and other interested groups. A session will be held in Grafton at a date to be notified. We'll keep you posted.

Another workshop run by the EDO will also be held in the Tweed.

- The draft can be viewed here: <https://www.landmanagement.nsw.gov.au/>
- Submissions can be made here: <https://www.landmanagement.nsw.gov.au/have-your-say/>
- The EDO review and comments and information about workshops is here: [http://www.edonsw.org.au/biodiversity\\_legislation\\_review#workshops](http://www.edonsw.org.au/biodiversity_legislation_review#workshops)

## National Biosecurity Act 2016

The national Biosecurity Act comes into force on 16 June 2016, replacing the Quarantine Act 1908. It will be co-administered by the Ministers responsible for Agriculture, Water Resources and Health.

<http://agriculture.gov.au/biosecurity/legislation/new-biosecurity-legislation>

## National standards for ecological restoration

The Society for Ecological Restoration Australasia has published national standards to increase the likelihood of successful restoration. The standards are relevant for all scales of 13 restoration, from minimally resourced community projects to large-scale industry or government projects.

<http://www.seraustralasia.com/standards/contents.html>

## Coastal Risk Australia

Coastal Risk Australia is an interactive map tool using the latest 3D models of the Australian coastline to illustrate coastal inundation associated with sea level rise to the year 2100. <http://coastalrisk.com.au/>

## International Journal of Ecology and Ecosolution

**International Journal of Ecology and Ecosolution (IJEE)** calls for submission of manuscripts from all areas related to Ecology for publication. All submitted papers received are treated as top priority and peer-reviewed before publication.

**IJEE** is an international peer-reviewed open access journal, which publishes innovative work from all areas related to Ecology.

**IJEE** publishes Short communications, Case reports, Review and Original research papers on all aspects of ecology of plants and animals, in both aquatic and terrestrial ecosystems. Areas of interest include but are not limited to studies of plant and animal communities, populations or individual species.

We invite you to send us your original unpublished articles for publication. Articles published in **IJEE** are peer-reviewed and published in English.

**Send your manuscript as MS word attachment to the editorial office via email at:**

[ijee@netjournals.org](mailto:ijee@netjournals.org) or [njs.ijee@gmail.com](mailto:njs.ijee@gmail.com).

For more information, please visit our website [www.netjournals.org](http://www.netjournals.org) or send us a mail through either of the email given above.

## NRM on Farms

For lots of great info subscribe to NRM on Farms. A monthly newsletter that summarises recent information about climate and natural resource management relevant to agriculture to keep farmers and

agricultural and NRM advisors and researchers up to date. It is freely available to anyone interested or involved in agriculture or NRM. To subscribe, email Rebecca Lines-Kelly at [rebecca.lines-kelly@dpi.nsw.gov.au](mailto:rebecca.lines-kelly@dpi.nsw.gov.au)





# MULLUMBIMBY SIGNIFICANT TREE TRAIL

## INTRO

Trees are well renowned for their beneficial impact on people and our environment. From creating leafy neighbourhood character, supporting biological diversity of flora and fauna, defining cultural heritage to cooling us in the heat of summer, trees are an important part of our lives.

The Mullumbimby Significant Tree Trail aims to create a guided trail through the Mullumbimby township showcasing our many significant trees and offering a free, educational activity for locals and visitors of all ages to enjoy.

## WHY DO WE NEED A SIGNIFICANT TREE TRAIL?

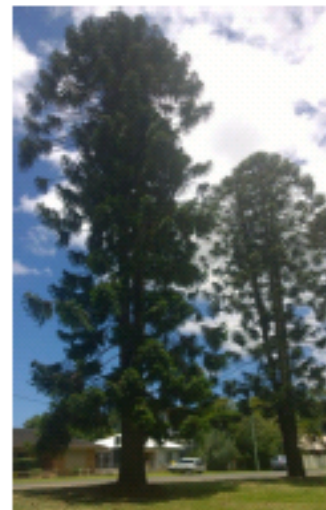
The trail will have multiple benefits including providing the opportunity for people to observe and appreciate the beauty of our trees while educating them about of the various aspects that define a significant tree. Ultimately, we will work with Byron Shire Council to help to develop policy that will protect and preserve these natural assets for future generations.

## WHAT IS A SIGNIFICANT TREE?

Significant trees may meet one or several criteria to be included in the trail.

The categories will include:

- Big trees,
- Old trees,
- Trees with a scientific value,
- Trees that provide food and/or shelter to animals and/or birds,
- Food producing trees for people,
- Historical value,
- Social value,
- Aesthetic value.



Bunya Pines in Heritage Park

## WHO IS CREATING THIS TRAIL?

The Mullumbimby Chamber of Commerce is seeking community collaboration and participation in creating this trail in 2016.

We have identified several local groups and specialists who will provide expertise and scientific knowledge, but it is the stories held by our residents about their trees which will add particular vibrancy to the project. Who planted this tree and why, what happened near this tree, why it is special – this is the information we want share along with the relevant botanical descriptions.

## FOR FURTHER INFORMATION ABOUT HOW TO GET INVOLVED PLEASE CONTACT:

Jeannette 0412 322 255

Obi 0410 189 664

Cybele 0411 363 435

Or go to

[www.mullumbimby.org.au/SignificantTreeTrail](http://www.mullumbimby.org.au/SignificantTreeTrail)



## STORIES to inspire and give you hope

### Restoring Catchments and Coastal Wetlands of the Great Barrier Reef (Qld)

The iconic Great Barrier Reef, Australia's most celebrated natural wonder relies on healthy catchments and coastal wetlands. In December 2015 the Reef, its catchments and wetlands received a major boost with the announcement of a \$4 million restoration initiative. Conservation Volunteers and their new partner organization WetlandCare Australia will be working with Greening Australia and Birdlife Australia to deliver a 200 hectare project of on-ground catchment and coastal wetland restoration works, restoring key habitats to improve water quality in the Great Barrier Reef region. The project will be implementing science based methods to protect threatened species habitats and maintain biodiversity.

[Follow the link to find out more](#)



## Global wild tiger population increases, but still a long way to go original story from the abc

The number of tigers in the wild has risen for the first time in 100 years, marking a major turning point in the big cat's plight against poaching and habitat loss.

Data estimates 3,890 tigers living in wild across the world.

This number is up almost 700 animals from 2010 figure.

WWF welcomes increase but says more still needs to be done.

Figures collated from national surveys conducted in tiger range states and from the International Union for Conservation of Nature (IUCN), estimate the number of tigers living in the wild to be at 3,890.

That is up almost 700 animals from the 2010 figure, which estimated the population at 3,200.

The World Wildlife Fund (WWF) Australia's national manager for species, Darren Grover, welcomed the news, saying it was the first increase since the turn of the twentieth century.

"That's great news. It's the first positive trend for wild tiger populations in more than 100 years," he said.

In 1900, approximately 100,000 tigers were estimated to be living in the wild.

"In those 100 years or so we've lost around 97 per cent of wild tigers," Mr Grover said.

To read the full story visit <http://www.abc.net.au/news/2016-04-11/global-tiger-numbers-increase-for-the-first-time-in-100-years/7317322>



## Dutch government ordered to cut carbon emissions in landmark ruling original story from the Guardian

Back in June last year a Dutch court ordered state to reduce emissions by 25% within five years to protect its citizens from climate change in world's first climate liability suit

Urgenda supporters celebrate at The Hague after court ruling requiring Dutch government to slash emissions.

To cheers and hoots from climate campaigners in court, three judges ruled that government plans to cut emissions by just 14-17% compared to 1990 levels by 2020 were unlawful, given the scale of the threat posed by climate change.

"Before this judgement, the only legal obligations on states were those they agreed among themselves in international treaties," said Dennis van Berkel, legal counsel for Urgenda, the group that brought the suit.

"This is the first a time a court has determined that states have an independent legal obligation towards their citizens. "

To read the full story visit <http://www.theguardian.com/environment/2015/jun/24/dutch-government-ordered-cut-carbon-emissions-landmark-ruling>



Photograph: Chantal Bekker/Urgenda

## Hand in hand - riparian restoration, farming and tourism

Brunswick Valley Landcare and The Farm Byron Bay are collaborating to plant over 2000 trees along the eastern headwaters of Simpsons Creek, Ewingsdale.

Peter Ryan, Brunswick Valley Landcare President said “It’s great to form a partnership with The Farm and to demonstrate how looking after biodiversity and water quality can be done alongside agriculture and tourism.”

The project is supported by North Coast Local Land Services, through funding from the National Landcare Programme.

Simpsons Creek is a tributary of the Brunswick River and home to a wide variety of species. A history of land clearing and unrestricted access of cattle to the creek has caused severe degradation in sections.

Planting native species, controlling weeds and fencing the project area to restrict cattle access will

help reverse the degradation, encourage a diversity of wildlife, reduce erosion and improve water health. Restoring the headwaters will limit further weed infestations downstream.

Tom Lane, owner of The Farm says “We are so fortunate to be partnering with Brunswick Valley Landcare and North Coast Local Land Services to provide a showcase of how land regeneration and farming can work in symbiosis. We hope this encourages others to follow.”

The area will be planted and maintained without the use of chemicals, consistent with The Farm's policies. Grass weeds will be controlled with black plastic, which will smother the grasses and heat the soil preventing germination of seeds.

Peter Ryan added, “I look forward to watching the plantings grow and both humans and wildlife being able to use and appreciate this area in the future.”



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## Northern Rivers farmers to lead the nation on co-operative farming initiatives

Northern Rivers farmers are set to lead the country in a new initiative to develop farmer co-operatives. Funding for a \$13.8 million National Centre of Excellence for Agricultural Co-operatives at Southern Cross University was announced recently by Acting PM and Barnaby Joyce and Page MP Kevin Hogan. Read more... <http://rdanorthernrivers.org.au/co-operative-farming-initiatives-provide-boost-local-farming/>

## FUNDING

### Do you have a great project and need funds to make it happen?

You can find more information on available grants on the Brunswick Valley Landcare website including a calendar of all grants expected to be available during 2016. There are also some handy tips on how to be successful with grant applications. Below is a summary of grants which are currently accepting applications and ones that are anticipated to open within the next month.

<http://brunswickvalleylandcare.org.au/funding/>

### Landcare Australia Special Projects Grants 2016

Landcare Australia is offering grants to Landcare and farming groups to undertake projects that protect environmental assets, address priority issues and improve the health of the environment.

Groups are invited to apply for a grant of up to \$15,000 (ex. GST) to support projects that focus on one or more of the following areas:

- Biodiversity and threatened species; and
- Sustainable Agriculture.

For more information go to the [Landcare Australia Communities Portal](#) and click on the 'Grants' tab.

**Applications open on Monday 18 April and close on Friday 20 May 5.00pm EST**

*Suitable for small landcare projects that focus on biodiversity, threatened species of sustainable agriculture*

### Green Army Round Five

Round Five of the Green Army Programme is now open and seeks to maximise positive environmental and heritage impacts through the use of multiple Green Army teams over a two to three year period. The round closes at **2:00PM** (Canberra time) **Thursday 16 June 2016**.

<http://www.environment.gov.au/land/green-army/projects/round-5>

*Suitable for projects that require a team of 10 people for 6 months*



### Eco Schools grants

The next round Eco Schools Grants Program is now open and the closing date is **Friday 17 June 2016**. The Eco Schools Grant Program aims to provide learning opportunities for students, teachers and the school community, through hands-on curriculum-based environmental projects that focus on strong student participation.

The program will fund school environmental management projects aimed at one or more of the following objectives: Environmental benefits, student participation, teacher engagement and managing for sustainability in school and the community. The ultimate goal of the Eco Schools Grant Program is the development of environmentally sustainable schools.

<http://www.environment.nsw.gov.au/grants/schools.htm>

*Suitable for schools doing environmental projects*



### Grants that are opening soon .....

#### Protecting our Places grants

The aim of the Protecting our Places program is to protect land that is culturally significant to Aboriginal people and to support education projects about the environment and its importance in Aboriginal life.

It is envisaged that the next call for applications will be in late 2015/early 2016. Keep an eye on the page below for updates regarding this years grants. <http://www.environment.nsw.gov.au/grants/pop.htm>

*Suitable for Aboriginal projects*

## Coles Junior Landcare Garden Grants

Coles Junior Landcare Garden Grants give \$1,000 to schools and youth groups to help create gardens in their grounds or community, such as bush tucker gardens, water wise gardens or veggie gardens. These programs encourage students to learn about the environment through “outdoor learning” and interaction in developing their own school gardens. All schools, kindergartens, daycare centres, and youth groups (e.g. Scouts) are eligible to apply for a Coles Junior Landcare Garden grant. Last year round one opened in February so keep an eye on the website for further info. <http://www.juniorlandcare.com.au/grants-2/coles-grant>



Suitable for schools and preschools

## The Jemena Live. Grow. Explore. Grants

The Jemena *Live. Grow. Explore.* Grants program is offering funding of up to \$1,000 to groups seeking to educate young Australians about environmental sustainability and energy literacy.

There are 35 grants available to schools, kindergartens, preschools, day care centres and youth/community groups (e.g. Scouts) located within Jemena’s areas of operations.

Groups are invited to submit an application for a project that revolves around the themes of *living, growing and exploring sustainably*. Last year, Landcare Australia received a diverse range of ideas that encompassed energy efficiency, biodiversity improvement and revegetation of degraded landscapes. For ideas and information about project eligibility, take a look at the [grant guidelines and criteria](#) and the [Junior Landcare Curriculum Resources](#).

Last year grants opened at the beginning of June and closed in July.

<http://www.juniorlandcare.com.au/jemenagrants>

Suitable for schools and preschools

## Philmac Project Grants

Philmac Project Grants are open to a project that involves water and will benefit a rural community. Examples are football oval irrigation, school vegetable garden, school rainwater harvesting systems, community gardens.

<http://www.philmac.com.au/philmacproject>



Suitable for water saving projects.

The latest edition of The Landcare NSW newsletter **The Advocate** newsletter is available. This edition contains news about the Local Landcare Coordinator Initiative, biodiversity workshops, Sustaining Landcare update and the Parliamentary Friends of Landcare.

<http://landcarensw.org.au/wp-content/uploads/2016/05/The-Advocate-MAY-2016.pdf>

The first **Landcare in Focus** Annual Special edition on **Building Drought Resilience** is now out.

We invited editorial contributions from across the Landcare network, from experts and researcher that will help you, our readers, to build land and water resilience to drought, making the Australian landscape more resilient to adversity.

The article contributions we received were beyond excellent, and we think you'll find this special magazine edition to be something you keep around and continue to read for many months.

You can [view the full 16 page magazine online now](#). Or you can [download the magazine in pdf format here](#).

## Glyphosate: Clarifying the Facts

Concerns have been raised about human exposure to the common herbicide glyphosate, following an [International Agency for Research on Cancer \(IARC\)](#) assessment which has [classified](#) glyphosate in a group of chemicals that is 'probably carcinogenic to humans'.

The Australian Pesticides and Veterinary Medicines Authority has recently updated its website information about using glyphosate. This update provides chemical users, growers and home gardeners with more information about the safe use of products containing glyphosate. Read more here:

<http://apvma.gov.au/node/13891>

It also explains the processes underway, both in Australia and internationally, to assess the findings made by the International Agency for Research on Cancer in 2015—results of these assessments are expected in mid 2016.

If you have any questions, please contact the Australian Pesticides and Veterinary Medicines Authority (APVMA) at [enquiries@apvma.gov.au](mailto:enquiries@apvma.gov.au)

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## Weed of the Month

This month's weed of the month is the Fishbone Fern *Nephrolepis cordifolia* (*Nephrolepis auriculata* (L.) Trimen). This plant is actually local to the inland areas of this region but is usually found living in amongst rocks on rainforest edges.



When it is taken out of its natural range it has become very invasive forming dense mats of foliage which prevents any other native ground covers from colonising the area. The root system spreads effectively to seal off the soil surface and reduce the penetration of rainwater.

The fern has an underground stem densely covered with pale brown scales. The above ground stems are slender and wiry. It has rounded tubers just below surface. The ferns fronds are erect or hang downwards and the leaves are dull lime green and narrow, often with a row of pale dots on the upper surface near the leaf margin.

It has spores all year round and germinates from these spores and is also distributed from dumped garden rubbish.

Similar Native Species are *Pellaea falcata*, Sickle Fern has hairy and scaly stems and the pinnae are dark green above and lighter below (discolorous). *Doodia aspera*, Prickly Rasp Fern has a black scaly stem, and a rough texture to the leaves. They also have a pink flush on the ends of new growth.



## WORKING BEES - why not get out and get involved in one of our local groups?

For all Landcare Working Bees please wear protective clothing - long pants, long-sleeved shirt, closed-in shoes, hat, gloves and bring water, sunscreen, and insect repellent. **Please always contact the groups co-ordinators before attending a working bee as plans do change!**

### Brunswick Heads Dunecare

WHEN: 4<sup>th</sup> Sunday of the month 8:00am – 11:00am  
WHERE: Meet between the rock wall and the surf club  
CONTACT: Jordan Moore [brunswickheadsdunecare@gmail.com](mailto:brunswickheadsdunecare@gmail.com) 0413 962 468 txt mess pls

### East Yallakool Landcare, Ocean Shores

WHEN: each Wednesday 8:00am – 11:00 am  
WHERE: Inderwong Avenue, Ocean Shores (adjacent to the footbridge)  
CONTACT: David Kemp [dnkemp77@gmail.com](mailto:dnkemp77@gmail.com) 0427 650 861

### Green and Clean Awareness Team, Byron Bay

WHEN: 3<sup>rd</sup> Sunday of the month 9:00am  
WHERE: Meet Main Beach, Byron Bay  
CONTACT: Veda Turner [vedaturner@gmail.com](mailto:vedaturner@gmail.com) 0427 857 991

### Heritage Park Landcare, Mullumbimby

WHEN: alternate Saturdays 9:00am – 11:00 am  
WHERE: Heritage Park, Mullumbimby  
CONTACT: Diana Hughes [bromspot@gmail.com](mailto:bromspot@gmail.com)

### Jinangong Landcare, Ocean Shores

WHEN: 1<sup>st</sup> Sunday of the month  
WHERE: The Tunnel Road, Ocean Shores  
CONTACT: Ian Parer [ianparer@hotmail.com](mailto:ianparer@hotmail.com)

### Lower Mullum Creek Landcare, Mullumbimby

WHEN: 2<sup>nd</sup> Sunday of the month  
WHERE: Azalea Street Bridge to Riverside Bridge, Mullumbimby  
CONTACT: Annie Mullen 0478 517 625 [anne@jbailey.info](mailto:anne@jbailey.info)

### South New Brighton Dunecare

WHEN: 1<sup>st</sup> Friday of the month 1:30pm - 4:30pm  
WHERE: Meet at southern end of the Esplanade at the Strand beach access point.  
CONTACT: Robyn Bolden [robyn.bolden@australis.net](mailto:robyn.bolden@australis.net) 6680 1970

### Suffolk Park Dunecare

WHEN: 1<sup>st</sup> Saturday of the month  
CONTACT: Helen Brown [hellyh@bigpond.com](mailto:hellyh@bigpond.com) 6685 4964

### Tyagarah Landcare

WHEN: Each Thursday 9:00am – 11:00am  
WHERE: 23 Prestons Lane, Tyagarah  
CONTACT: Bela Allen [bela\\_allen@yahoo.com](mailto:bela_allen@yahoo.com) 6684 7113



## LINKS

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- Arakwal <http://arakwal.com.au/>
  - Border Rangers Alliance <http://www.greasternranges.org.au/border-ranges/overview/overview>
  - Bangalow River and Landcare <http://www.bangalowlandcare.org.au/>
  - Big Scrub Landcare <https://www.bigscrubrainforest.org.au/>
  - Brunswick Valley Landcare <http://www.brunswickvalleylandcare.org.au/>
  - Byron Bird Buddies <http://www.byronbirdbuddies.com.au/>
  - Byron Community College <http://www.byroncollege.org.au/>
  - Byron Shire Council <http://www.byron.nsw.gov.au/>
  - EnviTE [www.envite.org.au](http://www.envite.org.au)
  - Environmental Trust <http://www.environment.nsw.gov.au/grants/envtrust.htm>
  - Ewingsdale Locality Group (BVL) <http://ewingsdale.org.au/#/landcare/4532495308>
  - Far North Coast Weeds <http://fncw.nsw.gov.au/>
  - Friends of the Koala [www.friendsofthekoala.org](http://www.friendsofthekoala.org)
  - North Coast Local Land Services <http://northcoast.lls.nsw.gov.au/>
  - Northern Landcare Support Services <http://www.nlss.com.au/>
  - Mullumbimby Community Gardens <http://mullumcommunitygarden.wordpress.com/>
  - North Coast nature <http://www.northcoastnature.org.au/>
  - Richmond Landcare Inc. <http://www.richmondlandcare.org/>
  - Soilcare <http://www.soilcare.org>
  - Suffolk Park Locality Group (BVL) [www.landcare.nsw.gov.au/groups/suffolk-park-dunecare-group](http://www.landcare.nsw.gov.au/groups/suffolk-park-dunecare-group)
  - Tweed Landcare Inc. <http://www.tweedlandcare.org.au/>
  - Wilson's Creek Huonbrook Landcare <http://wilsonscreeklandcare.mullum.com.au/>
  - Wetlandcare Australia <http://www.wetlandcare.com.au/index.php>
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For information about Landcare or other natural resource issues in Byron shire  
please contact

Landcare Community Support Officer

Alison Ratcliffe 66267028 (Tuesday and Wednesday)

email: [alison.ratcliffe@byron.nsw.gov.au](mailto:alison.ratcliffe@byron.nsw.gov.au)



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Local Land  
Services

