

April 2021

## Greetings Landcarers!

BVL have teamed up with Wildbnb on our Wildlife Safe Havens Project. Together we aim to raise \$100,000 which will go towards building, installing and monitoring hollow habitat for countless numbers of birds, mammals, reptiles and insects across the Byron Shire and beyond.

### ART Meets HABITAT

Many thanks to Martin and Pam Brooke for hosting BVL and WildBnB Wildlife Safe Havens nest box fundraising launch at the Cape Byron Distillery.

A whopping \$10000 was raised on the night with the sale of a collection of exquisitely painted nest boxes from local artists.

We give our heart felt thanks to the **amazing** artists for providing such beautiful artworks.

Samantha Wortelhock, Nickolla Clark, Clare Duffy of Hound town, Niah Mcleod, Zachary Bennett Brook, Carley Cornelissen, Coris Evans,

Thank you to Angela Catturns for being a fabulous MC.

We're launching this Chuffed Campaign with the most awesome support of the good people at Cape Byron Distillery & Brookfarm, Santos Organics, The Farm and Stone & Wood Brewery.

Your generous tax-deductible donations will be spent on:

- Manufacture of nest boxes and custom hollows
- Habitat installation
- Monitoring technology
- Ecologist evaluation and interpretation of the data

If you would like to donate, follow the link below.

<https://chuffed.org/project/wildlife-safe-havens>



Help provide homes for  
our native wildlife!

# Donate now

Many species need old trees with hollows for  
breeding and shelter.

But there aren't enough old trees left!

Help us to make and  
install nest boxes to  
provide homes for our  
threatened wildlife - owls,  
parrots, gliders, lizards,  
tiny possums and many  
more.



Locals Brunswick Valley Landcare and  
Wildbnb have launched  
**Wildlife Safe Havens** to install hundreds  
of nest boxes across our region.

To learn how to help, visit [chuffed](https://chuffed.org/project/wildlife-safe-havens)  
all donations are tax-deductible

<https://chuffed.org/project/wildlife-safe-havens>



SCAN ME

THE 10TH  
MULLUM MUSIC FESTIVAL  
MOTHERS DAY

# Tree Planting

LIVE MUSIC BY  
SMOKEY FIELDS  
JAMES KENT  
MYKAELA JAY

CELEBRATING ALL MUMS!  
SUNDAY MAY 9TH - 9AM  
MYOCUM

TO JOIN US BOOKINGS ARE ESSENTIAL.  
ALL INFORMATION & DIRECTIONS CAN BE FOUND AT:  
[MOTHERSDAYPLANTING2021.EVENTBRITE.COM.AU](https://MOTHERSDAYPLANTING2021.EVENTBRITE.COM.AU)

WEAR GUMBOOTS, HAT, SUNSCREEN, DRINKING WATER, GLOVES, BYO COFFEE CUP!

PLANTING | LIVE MUSIC | FOOD | STALLS

THIS PROJECT IS SUPPORTED BY THE COMMONWEALTH GOVERNMENT THROUGH ITS COMMUNITY ENVIRONMENT PROGRAM.



## Climate resilient planting in Maslen Arboretum, Heritage Park, Mullumbimby

The team of volunteers at [Brunswick Valley Heritage Park, Maslen Arboretum in Mullumbimby](#) have been busy planting out some new demonstration gardens.

The plants in these gardens are all species that show resilience in a changing climate.

The plants selected have been found to cope well with extremes of climate including drought, frost, flood and also to provide food and shelter to wildlife.

Signage is planned to identify and provide details of these plants for the many visitors to the arboretum.

The plantings were completed just before the torrential rain and the ephemeral creek running through the site is now not so ephemeral!

Luckily the team had planned ahead and placed hay bales and logs to slow the flow of water through the site and the plants all look happy.

*This project has been supported by funding from the NSW Government through it's 'Increasing Resilience to Climate Change' (IRCC) community grants. For more information, visit*

<https://climatechange.environment.nsw.gov.au/adapting-to-climate-change/community-grants>

*Pictured from left to right :*

*Photo 1- Shah, John, Jo, Alex, Jodie, Duncan and leader Diana,*

*Photo 2 - John, Shah, Alex, Jo, Jodie, Duncan.*



## More on CLIMATE

### Demand soars for carbon offset services as Australian businesses take lead on climate change

By [Claire Moodie](#)

Demand for Australian carbon offset providers is growing.

A 200km 'tree highway' will spread across the northern Wheatbelt in WA.

Pressure is growing for more action on climate change at the federal level.



<https://www.abc.net.au/news/2021-04-04/australian-businesses-take-lead-on-climate-change/100039746>

### Traditional Owners and scientists tackle common climate challenge

In the largest meeting of its kind, Traditional Owners and scientists across Australia are meeting to empower and enhance First People's-led response to climate change, as part of the National First People's Gathering on Climate Change (Gathering), a five-day meeting held in Cairns, Queensland.

Conversations over the five days will aim to provide communities with the tools to respond to climate change-induced events like marine heatwaves, rising sea levels, bushfires, and heatwaves, which have a significant impact on First Peoples on Country, particularly in remote and isolated communities.

The event is part of the Australian Government's National Environmental Science Program (NESP) Earth Systems and Climate Change (ESCC) Hub, which is led by CSIRO.

<https://climate.anu.edu.au/news-events/news/traditional-owners-and-scientists-working-tackle-common-climate-challengeency>

### CSIRO plays part in US next-gen solar thermal technology

The US government today announced it will fund a pilot-scale test facility to demonstrate a next-generation concentrated solar thermal (CST) technology that Australia helped develop.

The falling particle CST technology is 100 per cent renewable and can store multiple hours of thermal energy for firm, fully dispatchable power generation.

It is a simple, thermally stable and relatively low-cost system with applications for power generation and heat processing across mining, mineral processing, chemical processing and other high temperature industrial processes. <https://www.csiro.au/en/news/news-releases/2021/csiro-plays-part-in-us-next-gen-solar-thermal-technology>

### Bold challenge to decarbonise Australia in 15 years laid down by Climate Council

ABC Science By environment reporter Nick Kilvert A new report from the Climate Council lays out an ambitious challenge to Australian governments and industry: get carbon emissions to net zero by 2035. A tariff on our exports by importing countries would make it harder for Australia to compete with less polluting economies. If Australia continues to have targets that lag behind those of our trading partners, we could cop a de facto carbon tax from them.

<https://www.abc.net.au/news/science/2021-04-15/plan-to-decarbonise-australia-in-15-years-climate-council-report/100063906>



## SEMINARS and WORKSHOPS



### The Importance of Rainforest Riparian Restoration

Bangalow Land and Rivercare is presenting a workshop, funded by the Environmental Trust. All welcome.

**Location:** The Veranda, Heritage House Museum & Cafe cnr Ashton and Deacon Street  
Bangalow

**Date:** Sunday the 18<sup>th</sup> April 2021

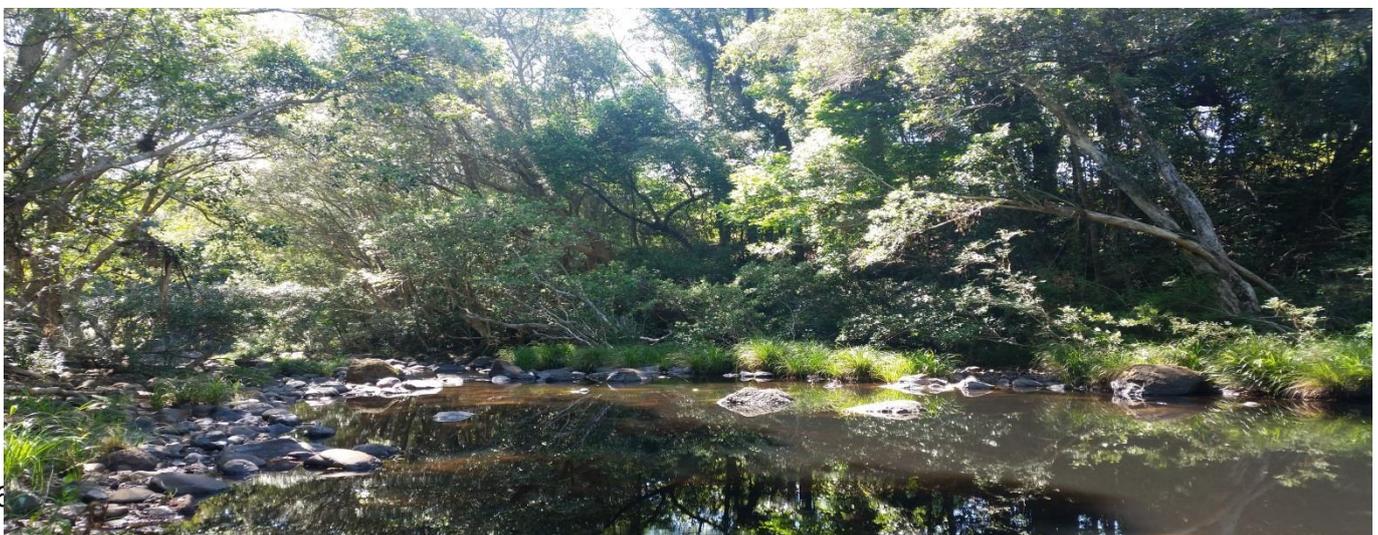
Time: 10.20am – 1.45pm Tea/coffee/biscuits will be provided.

**Presenter:** Bob Smeuninx - Bushland Restoration Services Director

The workshop will cover the importance of rainforest riparian zone restoration including:

- \* An overview of why riparian restoration is so important now;
- \* The importance of providing habitat for wildlife and creek health;
- \* Case Studies (what can be achieved);
- \* Discussion on the importance of best practice regeneration techniques;
- \* Walk and talk around Byron Creek restoration site – initially planted in 2014

**About the workshop presenter:** Bob Smeuninx is a director of the company, Bushland Regeneration Services and has extensive on-ground experience working in a range of vegetation types including threatened species habitat and endangered ecological communities. Bob also has many years of experience in writing Management Plans, Restoration Plans, teaching the Conservation and Land Management Cert.III in the NSW TAFE system and coaching NPWS staff in bush regeneration techniques.



# BANGALOW KOALAS

## KOALA TREE PLANTING

Tuesday 20<sup>th</sup> April 2021

- Time** 9.00am start  
**Where** Swift Road, Coffee Camp  
**RSVP** Bookings are essential and spaces are limited due to COVID so email and book your place today with Linda.

[president@bangalowkoalas.com.au](mailto:president@bangalowkoalas.com.au)

Thank you for the help and support of:



PROUDLY SUPPORTED BY  
**REGENERATE  
AUSTRALIA**



ONETREEPLANTED

There are **1,860** koala and other species of trees to plant, proudly supported by WWF Regenerate Australia. Trees funded by One Tree Planted and Forestry Corporation NSW so Bangalow Koalas is having a working bee. If you want to volunteer a hour or two of your time then please book your space today.



# BANGALOW KOALAS

## KOALA TREE PLANTING

Friday 23<sup>rd</sup> April 2021

- Time** 9.00am start  
**Where** Dudgeons Lane, Bangalow  
**RSVP** Bookings are essential and spaces are limited due to COVID so email and book your place today with Linda.

[president@bangalowkoalas.com.au](mailto:president@bangalowkoalas.com.au)

Thank you for the help and support of:

**ifaw**  
International  
Fund for  
Animal Welfare



ONETREEPLANTED

There are **3,945** koala and other species of trees to plant, proudly supported by IFAW International Fund for Animal Welfare. Trees funded by One Tree Planted and Forestry Corporation NSW so Bangalow Koalas is having a working bee. If you want to volunteer a hour or two of your time then please book your space today.



# BANGALOW KOALAS

## KOALA TREE PLANTING

Monday 26<sup>th</sup> April 2021

**Time** 9.00am start  
**Where** Johnston Road, Clunes  
**RSVP** Bookings are essential and spaces are limited due to COVID so email and book your place today with Linda.

[president@bangalowkoalas.com.au](mailto:president@bangalowkoalas.com.au)

Thank you for the help and support of:



ONETREEPLANTED



BYRON ROTARY



Community Underwriting

There are **3,500** koala and other species of trees to plant, proudly supported by One Tree Planted, Community Underwriting and Byron Bay Rotary. Trees funded by One Tree Planted and Forestry Corporation NSW so Bangalow Koalas is having a working bee. If you want to volunteer a hour or two of your time then please book your space today.



# BANGALOW KOALAS

## KOALA TREE PLANTING

Tuesday 27<sup>th</sup> April 2021

**Time** 9.00am start  
**Where** Johnston Road, Clunes  
**RSVP** Bookings are essential and spaces are limited due to COVID so email and book your place today with Linda.

[president@bangalowkoalas.com.au](mailto:president@bangalowkoalas.com.au)

Thank you for the help and support of:



Planning, Industry & Environment



ONETREEPLANTED

There are **3,150** koala and other species of trees to plant, proudly supported by NSW Government Department of Planning, Industry and Environment. Trees funded by One Tree Planted and Forestry Corporation NSW so Bangalow Koalas is having a working bee. If you want to volunteer a hour or two of your time then please book your space today.



FULLY SUBSIDISED TRAINING\*

# CHEMICAL CARD PLUS

LIMITED  
PLACES  
BOOK  
BY 23  
APR

Kreative Pty Ltd / as RuralBiz Training RTO 90782

BRUNSWICK HEADS  
THURS 29TH APRIL



Trainer: Ant Wright

Contact: Brunswick Valley Landcare to register.  
[info@brunswickvalleylandcare.org.au](mailto:info@brunswickvalleylandcare.org.au) or 02 6626 7028

AHCCHM307 Prepare and apply chemicals to control pest, weeds and diseases  
AHCCHM304 Transport and store chemicals

\*training is subsidised by the NSW Government for eligible students



Local Land  
Services

This initiative made possible by the NSW Landcare Program.  
A collaboration of Local Land Services and Landcare NSW Inc.  
supported by the NSW Government.



Brunswick Valley  
Landcare

# REGENERATIVE AGRICULTURE

## 10 Tips for Avoiding Soil Erosion with Regenerative Ag

Source: [Farming Secrets](#) By Jane Marsh.

As modern farmers begin to see the consequences of traditional farming, they're implementing regenerative practices to restore soil health.



### 1. Plant Cover Crops

Cover cropping allows plants to continue to grow in the off-season, providing the soil with more nutrients to strengthen it. They are planted between crops you traditionally plant for yields.

It's both a regenerative agriculture practice and a known practice for reducing soil erosion. Besides enriching the topsoil, cover cropping shields the topsoil from wind and waters that could erode it.

### 2. Practice No-Till or Low-Till

When you till the land too much, you're disrupting the soil. With each disruption, you remove the diversity of soil microbes and loosen the soil's structure, so your plants can't stay stable above the soil.

Leave crops in the ground even after you harvest. As they break down, they leave behind essential nutrients to enrich the soil and keep it in place. If you have to till, reduce the number of times you till.

### 3. Monitor Livestock Grazing

Finding a balance in livestock grazing allows your soil to regenerate after a grazing period. It also adds extra nutrients into the soil — as animals navigate the land, they'll leave behind manure to fertilize the land.

Managed grazing is key to regenerative agriculture. Cattle and other livestock are strategically moved between fields. As they leave one field, the soil can repair, which avoids erosion.

### 4. Use Compost as Fertilizer

Instead of using chemically-formulated fertilizers on your crops, opt for natural compost. Chemical fertilizers can strip away your land. Not to mention, they can pollute the soil, water, and even the air.

Composting accelerated decomposition of organic materials. The result is a fertilizer full of various nutrients that will stabilize soils and prevent them from eroding. Compost also won't add to pollution.

### 5. Add Trees

Trees are natural windbreakers. Their leaves slow down the force of the wind. Planting a row of trees around your fields acts as a windbreaker, which can prevent topsoil erosion on bare fields.

You could also plant crops in between already-existing rows of trees, which is called agroforestry. It increases plant diversity and guards against soil erosion.

### 6. Vary What You Plant

Many large agricultural corporations plant a ton of corn and soybeans. These are essential products for much of the food and other items you see in the store. However, a lack of variety strips the soil of its integrity and nutrients.

Add diversity to what you plant to avoid erosion. It builds healthy soils. Additionally, you can rotate crops to have the same effect. It mimics the way plants would naturally grow and strengthens soils.

## 7. Build Water Diversions

There are a few types of erosion, one of them being from runoff. When a heavy downpour hits, soils that are dry or lack nutrients can be swept away by running water.

If you struggle with erosion due to water, build water diversions. These can more effectively distribute the water across your land to prevent erosion.

## 8. Integrate Livestock

Similar to managed grazing, integrating livestock in your crops allows for natural nutrient cycling. The separation of animals from crops has increased pollution, risked animal health, and led to improper disposal of manure.

However, by allowing livestock to roam your crops, they can provide nutrients that strengthen the soil. Therefore, you mitigate erosion.

## 9. Mulch With Plants

Unsure of what to do with weeds or leftover stalks from crops? Use them as mulch. You can spread weeds, flowers, herbs, and leaves across crops to help prevent erosion.

Mulch locks in moisture and adds extra nutrients to your topsoil as the mulch breaks down. This both prevents erosion and regenerates the topsoil.

## 10. Contour Farm

Instead of planting crops in straight rows, follow the natural lines provided in the landscape. While contour farming often involves tilling, you can still plant without over-tilling.

Planting this way creates reservoirs for water so the soil won't runoff. It redistributes the water so your crops get even coverage.

## Keep Your Soil in Place

With these tips, you can prevent soil erosion on your farm. Erosion can quickly ruin a crop, but if you're careful to build up your soil's strength and protect it, you'll have healthy fields.

<https://regenfarming.news/articles/937-10-tips-for-avoiding-soil-erosion-with-regenerative-ag>

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## LAND FOR WILDLIFE

### **Brush-tailed rock-wallaby cam**

Peek into the world of the brush-tailed rock-wallaby without leaving home.

A camera has been placed near a colony of around 10 brush-tailed rock-wallabies in the Green Gully area of [Oxley Wild Rivers National Park](#).

### **Bouncing back from bushfires**

The 2019/20 fires burnt more than 80% of known brush-tailed rock-wallaby habitat in NSW.

All of the colonies surveyed in Oxley Wild Rivers National Park had areas

of burnt habitat, yet 90 surviving individuals were spotted which is consistent with counts in previous years. Most of the colonies with surviving wallabies [received emergency supplementary food drops](#) of sweet potato, carrots and lucerne. <https://www.nationalparks.nsw.gov.au/brush-tailed-rock-wallaby-cam>



## FIRE

Paul Daley from A Lush Forest Media created this beautiful and informative video shot at Tyagarah as part of BVL Simpsons Creek Environmental Trust Grant.

Thanks to Oliver Costello from Firesticks Indigenous alliance and Andy Baker for explaining and describing fire management in the landscape so succinctly from an Indigenous and ecological perspective.

Thanks to Bela Allen and the Gondwana community for hosting.

The production of this video was funded by the NSW Environmental Trust

<https://www.youtube.com/watch?v=Dea4765yh8k>



Cultural burning: healthy communities, healthy landscapes

<http://www.wildsite.com.au/content/about.htm>

<https://www.firesticks.org.au/>

<https://alushforest.com/>



wildsite



**BCT** Ecologist Joel Stibbard talks through the steps for recovering after a bushfire event, how to prepare for future fires and what you can do to help restore the biodiversity on your property.

<https://www.youtube.com/watch?v=GKsVvs4oT7c>

## Funding

### Environmental Research grants opening soon

**Grants of up to \$200,000 for collaborations undertaking applied research in priority environmental themes.**

The Environmental Research program supports applied research in identified priority environmental themes. The objectives of the program are to:

- generate new knowledge or information to help local solutions to environmental problems
- discover new methods of operation for NSW industries that are less harmful to the environment and enhance the public good
- knowledge and advance techniques to solve general environmental problems in New South Wales
- assess and test application of innovative solutions to decrease environmental degradation in New South Wales.



Opening before May 2021. See [here](#) for program themes and priorities

## Weed(s) of the month

### Brisbane beekeeper creates editable map to track African tulip trees killing native stingless bees

ABC Radio Brisbane By Antonia O'Flaherty

The tree is native to tropical Africa but was once planted as a street tree and garden tree, and while regarded for its red flowers, it is a serious weed which is toxic to native stingless bees and crowds out native vegetation.

<https://www.abc.net.au/news/2021-02-17/beekeeper-creates-tree-map-to-save-native-bees/13156240>



### Singapore daisy

*Sphagneticola trilobata*

A mat-forming groundcover, or occasionally a low-climbing plant, with hairy stems. Its paired leaves are often three-lobed and have toothed margins. These leaves are glossy in appearance and mostly hairless. Its bright yellow daisy-like 'flowers' (20-30 mm across)

#### FAMILY

Asteraceae

#### FLOWERING TIME

Year Round

#### ORIGIN

Central and South America

#### KNOWN DISTRIBUTION

This species is widely naturalised in the coastal districts of northern and eastern Australia. It is most common in the coastal parts of south-eastern Queensland and north-eastern New South Wales.

#### HABITAT

A weed of urban bushland, closed forests, forest margins, open woodlands, waterways, lake margins, wetlands, roadsides, disturbed sites, waste areas, vacant lots, and coastal sand dunes in tropical and sub-tropical regions. It may also encroach into lawns, footpaths and parks from nearby gardens.

#### HABIT

A long-lived with a creeping, scrambling or climbing habit. This mat-forming plant often creates a dense ground cover (usually 15-30 cm tall but occasionally up to 70 cm tall) crowding out the growth of other species. It may also climb a short distance up trees or over other vegetation.



## 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 group co-ordinators before attending a working bee as plans do change!**

### Bangalow Land and Rivercare, Bangalow

WHEN: every Saturday 8:30am  
WHERE: find out from Liz Gander  
CONTACT: Liz Gander [bangalowlandcare@gmail.com](mailto:bangalowlandcare@gmail.com) 66871309

### 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)

### Mullum Town Landcare, Mullumbimby

WHEN: last Sunday of the month  
WHERE: find out from Jude Alcorn  
CONTACT: Jude Alcorn 0411 298 356 [judealcorn@yahoo.com.au](mailto:judealcorn@yahoo.com.au)

### Ocean Shores Landcare, Ocean Shores

WHEN: each Friday at 8.30 – 11.00 am (8.00am DST)  
WHERE: corner of Yallakool Drive and Warrambool Road, Ocean Shores  
CONTACT: David Kemp [dnkemp77@gmail.com](mailto:dnkemp77@gmail.com) 0427 650 861

### 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@optusnet.com.au](mailto:robyn.bolden@optusnet.com.au) 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

**Can't find a group near you?** We have many other groups who meet on an ad hoc basis (contact us for more details) or if there isn't an existing group in your neighbourhood or you are interested in looking

after a particular area, BVL can help you to form a locality group under the BVL umbrella.

## LINKS

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- Arakwal <http://arakwal.com.au/>
- Border Rangers Alliance <http://www.greasternranges.org.au/border-ranges/overview/overview>
- Bangalow Koalas <http://www.bangalowkoalas.com.au/>
- 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>
- Friends of the Koala [www.friendsofthekoala.org](http://www.friendsofthekoala.org)
- Federal Landcare Inc [federalandcare@gmail.com](mailto:federalandcare@gmail.com)
- Local Land Services [www.northcoast.ils.nsw.gov.au](http://www.northcoast.ils.nsw.gov.au)
- North Coast Local Land Services <http://northcoast.ils.nsw.gov.au/>
- Border Ranges Richmond Valley Landcare [www.brrvl.nsw.gov.au](http://www.brrvl.nsw.gov.au)
- Mullumbimby Community Gardens <http://mullumcommunitygarden.wordpress.com/>
- North Coast Nature <http://www.northcoastnature.org.au/>
- Richmond Landcare Inc. <http://www.richmondlandcare.org/>
- Rous County Council (formerly Far North Coast Weeds) <http://rous.nsw.gov.au/>
- Soilcare <http://www.soilcare.org>
- Tweed Landcare Inc. <http://www.tweedlandcare.org.au/>
- Wilson's Creek Huonbrook Landcare <http://www.wilsonscreeklandcare.mullum.com.au/>

For information about Landcare or other natural resource issues in Byron shire please contact  
Landcare Support Officer, Alison Ratcliffe 6626 7028 (Mon, Tues, Wed) [aratcliffe@byron.nsw.gov.au](mailto:aratcliffe@byron.nsw.gov.au)

Project Officer, Rochelle Merdith 6626 7201 [rmerdith@byron.nsw.gov.au](mailto:rmerdith@byron.nsw.gov.au)

[www.brunswickvalleylandcare.org.au](http://www.brunswickvalleylandcare.org.au)



This newsletter is supported by Byron Shire Council.

