

Newsletter for Landcare and Dunecare in Byron Shire





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

October 2019

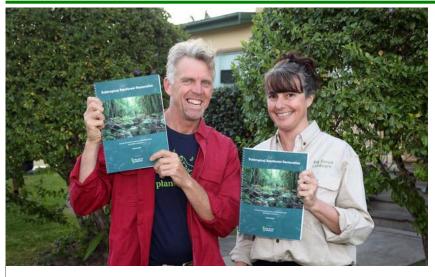


Photo: Mark Dunphy (Firewheel Nursery)& Georgie Jones (Big Scrub)

Big Scrub Publishes Rainforest Restoration Manual

Big Scrub Landcare has published a third edition of its highly regarded Subtropical Rainforest Restoration – A practical manual and data source for Landcare groups, land managers and rainforest regenerators.

Written for land managers, Landcare groups, rainforest regenerators and restoration consultants Big Scrub Landcare's rainforest restoration

manual is a comprehensive guide to rainforest and subtropical rainforest restoration practices.

Dr Tony Parkes, President Big Scrub Landcare said: "The manual provides information on how to rehabilitate and care for existing subtropical rainforest remnants and re-establish subtropical rainforest on land from which it has been cleared. The third edition identifies and incorporates the latest science all the current best practice techniques for: rainforest restoration; remnant rehabilitation; rainforest regeneration planning; rainforest restoration planting; rainforest weed control; and important data relevant to planting for 289 trees and shrubs that occur in lowland subtropical rainforest".

First published in 1998 with a second edition in 2005 the manual has sold over 4000 copies to date.

The third edition has been produced by Big Scrub Landcare with the assistance of Envite Environment and Firewheel Rainforest Nursery. It has received support from the Patagonia Environment Grants Fund of Tides Foundation. It has been sponsored by: Rous County Council; Rainforest Rescue; Lismore City Council; Ballina Shire Council; Brookfarm; Stone and Wood.; Richmond Landcare Inc; Brunswick Valley Landcare; East Coast Bush Regeneration; Darren Bailey; Building Forest Designs; Brush Turkey Enterprises; Big Scrub Regen Pty Ltd; Landmark Ecological Services and Forest Heart Econursery.

Big Scrub Landcare wish to acknowledge and thank all of the many professionals who have generously contributed to the writing, editing, artwork and production of both the third and previous editions of the rainforest restoration manual.

The manual is \$25 and available for purchase from the following places:

Big Scrub Landcare - (post to you - send us an email at orders@bigscrubrainforest.org)

Envite Environment - Lismore (pick-up)

Firewheel Rainforest Nursery - Corndale (pick-up)

Lismore Environment Centre - Lismore (pick-up)

Brunswick Valley Landcare - Mullumbimby (pick-up)

For wholesale enquiries email info@bigscrubrainforest.org

Managing small farms workshop

North Coast Local Land Services

What can you do on your small property to help improve waterway health? Every bit counts!

If you manage a small (2-20Ha) property in the Emigrant Creek catchment area and want to improve the way you manage the land, come along to our workshop on Sunday 10th November 2019.

Research has shown soil type, land use and management practices, all contribute to the current health of the Richmond River and its catchments. This area has a number of projects underway to improve water quality by managing run off from roads and farms, and improving riparian zone vegetation health. We want to make sure your smaller properties don't get left behind.

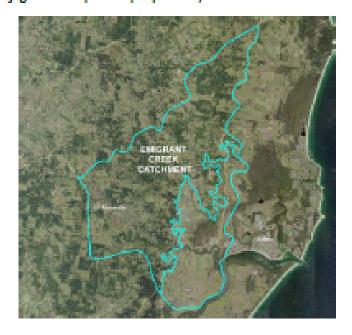
The workshop will include:

- Talks on soil management, riparian health, weed management and other tips for managing your small property
- Walk and talk to look at a riparian restoration project (onsite)
- Opportunity to sign up for a free assessment of your property by Richmond Landcare Inc. including how to improve land management through habitat enhancement, biosecurity, vegetation management, nutrient runoff, and other NRM advice (limited spots available, priority given to riparian properties)

Details:

Sunday 10 November 10:00am - 1:00pm Summerland House. Alstonville:

For further information & to RSVP contact: Ella Rasmussen 0438 173 135 elia.rasmussen@lis.nsw.gov.au





www.lls.nsw.gov.au

Byron Bird Buddies (BBB) Program Update for October 2019

(Locality Group of Brunswick Valley Landcare)

For full program till December and more information download the PDF from our Facebook page or BBB website www.byronbirdbuddies.com.au

<u>What To Bring</u> - Always wear covered shoes and bring water, hat, sunscreen and insect repellent. For surveys always bring something to eat for morning or afternoon tea and lunch if it's over the lunch period. For presentation days bring a plate to share for morning or afternoon tea



Contact - for all BBB & RBBW Activities - Jan - 02 66803279 or Mobile 0428864378 or

<u>byronbirdbuddy@gmail.com</u> **Note:** For surveys, experience is not necessary. Beginners are welcomed at all outings which will provide an opportunity to learn about our birds and their habitat.

Other Groups: RBBW = Richmond/Brunswick Birdwatchers BLNR = BirdLife Northern Rivers

BBB – continue monitoring of Pied Oystercatcher & Beach Stone-curlew breeding sites and record site visit on BBB online Excel spreadsheet. Please, contact Jan at byronbirdbuddy@gmail.com if you wish to participate in a nesting bird-watch during the beach-nesting bird season – August to December.

21st-27th October 2019 Commencement of Australia Bird Week & annual Backyard Bird Count

October - complete the Richmond Valley Birds Trail Brochure - (currently work in progress)

When: Thursday 17th

What/Why: Science in the Pub – Ballina. TO FEED or NOT TO FEED The event is organised by Northern Rivers Science Hub, funded by Inspiring Australia and the NSW Government, the Foundation for Rural and Regional Renewal and supported by Lismore Helping Hands and Richmond Landcare.



Who: Main Speaker Darryl Jones - BBB (Jan) supporting

presentation (Natural Backyards for Birds & What Birds you may see in Ballina) (See attached Flyer)

Where: Cherry Street Sports Club, 68 Cherry Street, Ballina, NSW 2478

Time: 17.30 (5.30pm)

Contact: https://www.facebook.com/events/2396532350590227/

<u>hannah.rice.hayes@gmail.com</u> <u>byronbirdbuddy@gmail.com</u> or Jan 0428864378_



21 -27th October 2019 Australia Bird Week & annual Backyard Bird Count

<u>Do your own thing and count birds in your backyard</u> Back for its sixth year, the Aussie Backyard Bird Count —21-27 October — is a great way to connect with the birds in your backyard, no matter where your backyard happens to be. You can count in a suburban backyard, a local park, a patch of forest, down by the beach, or the main street of town.

To take part all you need is 20 minutes and your favourite outdoor space. Not only will you be contributing to BirdLife Australia's knowledge of Aussie birds, but there are also some great prizes on offer. Head over to the website and register as a Counter today!

Register here: https://aussiebirdcount.org.au/#register

- Please book for Guided Walks -byronbirdbuddy@gmail.com

When: Saturday 19th

What/Why: Guided Walk & monitoring of all bird species for BSC reporting

Who: BBB

Where: Vallances Road - Meet Vallances Road off Coolamon Scenic Drive (between Mullumbimby &

Ocean Shores)-at the small ponds at the base of the hill

Time: 8.00

Contact: for further details byronbirdbuddy@gmail.com or Jan 0428864378

When: Monday 21st

What/Why: Guided Walk - Shorebird count & check nesting birds

Who: BBB

Time: 08.00 - 11.0am Belongil Estuary -

Where: Belongil Estuary & Byron Wetlands - Meet in Elements carpark at 8am

Contact: for further details byronbirdbuddy@gmail.com or Jan 0428864378

When: Tuesday 22nd

What/Why: Guided Walk - Shorebird count & check nesting birds

Who: BBB

Time: 08.00 -11.0am

Where: Brunswick River – Marshall Creek Meet at end of North Head Road – New Brighton

Contact: byronbirdbuddy@gmail.com or Jan 0428864378

When: Wednesday 23rd

What/Why: Presentations - Birds of the Big Scrub & Gondwana Rainforest

Who: BBB Time: 10.30 am

Where: Byron Library - all welcome

Contact: Kate Crisp Kate.Crisp@rtrl.nsw.gov.au at the library

Other Groups

When: Wednesday 9th Casino Wetlands - (meet at Alberts Park on L on the outskirts - just after the

Glenn Villa C'van Park & Wednesday 23rd (to be advised)

Who: RBBW

Where & Time: 8 am

Contact: richmondbrunswickbirdwatchers@gmail.com

When: Sunday 13th - Ballina Bicentennial Gardens - west side of Ballina, on the north side of

Tamarind Drive – just past or before airport. Meet in the car park

Who: BLNR

Contact: If you have questions please contact Anne Jones at 0418 244 262 jones.oz@gmail.com



Byron Community College Courses Caring for Water Places:

Do you live near a creek or stream that looks in poor shape? Are you interested in caring for our water places?

Sadly, many of our beautiful creeks and rivers are seriously degraded through development and historic land use practices. In this short course you will learn how to determine the quality of your waterway and gain knowledge and experience in the steps to fix it; in the process restoring aquatic plant and animal life, drawing down some carbon and healing the planet. Prepare to get your boots muddy!

https://www.byroncollege.org.au/course/CareWater



Our FIRST Community Planting Day and official launch of RePlant Byron!

We need your help to plant 1,000 trees. No weeding, no digging, just planting trees in pre-dug holes and mulching.

Easy and fun for the whole family.

Why? We're planting trees to drawdown carbon, restore habitat and ecosystems. Our aim is to plant 1.8 million trees in Byron Shire by 2025. Come and be a part of it.

What to bring and wear: drinking water, sunscreen and a hat. Long sleeves, long pants, gloves, fully enclosed footwear.

This is the official launch of RePlant Byron, a project of Zero Emissions Byron, aiming to accelerate the transition to zero emissions in Byron Shire by 2025.

Guest speakers to be announced.

To say thank you for your time and work, please stay afterwards for food and drink.

RSVP here and spread the word! https://www.facebook.com/events/436871570285001/



The October issue of Village Eco News is now available. There is a great article on ticks this month <a href="http://brunswickvalleylandcare.org.au/wp-content/uploads/2016/06/Village-Eco-News-Issue-36-content/uploads/2016/06/Village-Eco-News-36-content/uploads/2016/06/Village-Eco-News-36-content/uploads/2016/06/Village-Eco-News-36-content/uploads/2016/06/Village-Eco-News-36-content/uploads/2016/06/Village-Eco-News-36-content/uploads/2016/06/Village-Eco-News-36-content/uploads/2016/06/Village-Eco-News-36-content/uploads/2016/06/Village-Eco-News-36-content/uploads/2016/06/Village-Eco-News-36-content/uploads/2016/06/Village-Eco-News-36-content/uploads/2016/06/Village-Eco-News-36-content/uploads/2016/06/Village-Eco-News-36-content/uploads/2016/06/Village-Eco-News-36-content/uploads/2016/06/Village-Eco-News-36-content/uploads/2016/06/Village-Eco-News-36-content/uploads/2016/06/Village-Eco-News-36-content/uploads/2016/06/Village-Eco-News-36-content/uploads/2016/06/Village-Eco-News-36-con

October-2019.pdf



Saving our Species program is seeking comments on strategies and framework documents. The comment period closes Sunday 3 November 2019.

This is an important opportunity for members of the community to have their say in the management of threatened

species in New South Wales. <u>Click through</u> to access relevant documentation and for more information on how to make a submission.

STORIES to inspire and give you hope

Restoring Australia's coastal ecosystems reportedly equivalent to taking four million cars off the road by SBS news

Restoring Australia's damaged wetlands and coastal vegetation would have the same impact on the fight against climate change as taking over four million cars off the road, world-first research says.

Researchers from Perth's Edith Cowan University have helped an international team of experts pinpoint the volume of greenhouse gas absorbed and released by Australian marine ecosystems, known as "blue carbon".

Published in the Nature Communications journal, the paper says Australia's coasts are a global carbon storage hotspot, absorbing 20 million tonnes of carbon dioxide annually.

That is about the same as annual emissions from over four million cars.

Damage to marine ecosystems is also causing three million tonnes of carbon dioxide to be released back into the atmosphere each year as a result of coastal developments and the effects of climate change, according to researchers.

"These blue carbon systems store plenty of carbon and because we are losing them, we are generating emissions from these losses," Oscar Serrano, lead author and Research Fellow at the ECU's Centre for Marine Ecosystems Research, said.

Despite the protections Australia already has on many coastal ecosystems, significant chunks are being lost to coastal developments and the effects of climate change, researchers said.

CSIRO Coasts Research Director Andy Steven said Australia has around 10-12 per cent of the world's blue carbon stocks and being aware of that when making policy decisions would yield "significant advantages".

"If we were to restore just 10 per cent of historic losses in tropical mangroves - that is roughly an area of 1150km squared - this would enhance carbon sequestration by about four to five per cent."

https://www.sbs.com.au/news/restoring-australia-s-coastal-ecosystems-reportedly-equivalent-to-taking-four-million-cars-off-the-road?fbclid=lwAR1TkhsPN0N-8GiX TIM 0pzmcqZwEMZy663IHZY6ym2bRVA1 -Y0UVATDI

REGENERATIVE AGRICULTURE

Read Meat Industry Professional Program

Over the last few months MLA have been developing an exciting project called the **Red Meat Industry Professionals Program (RIPPer)**.

The aim is to develop a **professional development program** that provides new opportunities for training, networking and ongoing support for on-farm service providers. The **On-farm service providers** group includes, but not limited to, merchandise staff, livestock agents, agronomists, NRM catchment officers, scanners, and other on-farm advisors. On-farm service providers generally fall outside extension and consultancy professionals networks and associated development opportunities; yet are often the first point of contact for producers, and importantly, they are **trusted**, **on-farm regularly – and local**.

So we can best design the project to meet the needs we have created **a short survey** so you can tell us what support and training is sought to:

	Boost participant skills (not just technical – but business, technical, client engagement, gement or other.
	Build participant knowledge – for their day to day work – or for improved understanding of rting areas of industry.
□ expos	Better service livestock clients – link current skills with likeminded groups or maximise your ure to new ideas.

The survey takes **8.4 minutes** and will provide information to help MLA to use the information collected to better service and engage with livestock industry professional. The survey findings will be used to develop the inaugural RIPP project pilot in 2020 – and all survey data is totally private and will not be made public.

Please complete the **survey**

here: https://www.surveymonkey.com/r/Redmeat Industry Professionals Program survey

Additionally, to maximise the value we need as much insight into industry needs as possible – so **please forward this email and the link to the survey** to your industry networks and encourage them to participate.

For more information about the Rural Industry Professionals (RIPPer) project, contact me directly.

Thanks in advance

Mick Taylor
Project Manager - Feedbase
Meat & Livestock Australia
8/2 Upper Dairy Hall
45 King Street
Bowen Hills QLD 4006
E: mtaylor@mla.com.au

These tree-planting drones are firing 'seed missiles' into the ground. Less than a year later, they're already 20 inches tall.

10 DRONES can plant 400,000 trees in a day — enough to combat climate change in real time. Technology is the single greatest contributor to climate change but it may also soon be used to offset the damage we've done to our planet since the Industrial Age began.

Read the <u>full story</u>... Article Source: Good.

This farmer used an age-old technique to save his soil and now his farm is prospering

Our soil is under threat. It's estimated that we've got just 60 years of topsoil left, with 24 billion tons of fertile soil lost every year. With most of the food on our plate dependant on soil, its declining health is a major issue.

Read the full story...

Article Source: World Economic Forum.

Soft Agriculture - Our local farming evolution

Kyogle Culture talks with Stuart Larsson, owner of Mallanganee agribusiness SOFT Agriculture, about farming in the age of climate change, growing hemp and why he's gone SOFT.

KCM: Throughout your company's history, you have also been one of the first to try something new. How important is it to always be looking ahead?

Stuart: Agriculture is a great industry but unfortunately things change over time. Our farming methods have evolved due to consumer demand.

Read the <u>full story</u>...

Article Source: Kyogle Culture.

Land for Wildlife



Plan and Plant a Wildlife Corridor Field Day by Alison Ratcliffe



On Friday 4th October 23 people turned up to visit an amazing property that has one of the oldest rainforest plantings on the coast at 23 years old!

Participants had an overview of the work carried out on the property from Mark Dunphy from Firewheel Rainforest nursery and Rossco Faithfull, Eastcoast Bush Regeneration. They learnt about the importance of species selection for different sites, especially the importance of what species to plant on the edges to provide protection to the planting. We talked about different spacing's, the need to guard and fencing requirements, and what level of maintenance is needed.

This field day is possible through funding from the Foundation for National Parks and Wildlife.



Cultivating a Sugar Glider Grove in your garden – a DIY guide by Remember

the Wild

Noisy and boisterous Brushtails often give all possums a bad name. But the Sugar Glider, another possum, doesn't deserve this reputation at all. These little denizens of the night are quiet, shy, and astonishingly charming. They are important pollinators for many native trees and one of the few gliding mammals to call Australia home. These little



possums have all but disappeared from much of suburban Australia, in part due to the presence of cats and the loss of nesting hollows. The good news is that they have been shown to make remarkable recoveries when suitable habitat is created. Their arboreal lifestyle means they can easily make their way to new habitats by travelling through the canopy. Creating Sugar Glider habitat is simple, and with a few modifications to your garden you too can welcome them into your backyard!

Home sweet home

The fastest and easiest garden modification you can make is to install a nesting box. Not just any nesting box will do! Nesting boxes, just like tree hollows, come in many different shapes and sizes, and sugar gliders can be picky! A well-designed sugar glider nesting box will have a small entry hole less than 10 cm in diameter. This prevents larger animals accessing the box and also minimises cold drafts in the winter time. A good nest box will also have a baffle (a 'shield' over a part of the whole) just inside the entrance to prevent birds, like the Indian Myna, from using the box. This works because sugar gliders are extremely flexible and can manoeuvre through the tight space created by the baffle, while most birds cannot. A good nest box should also be large enough for more than one sugar glider to nest in, as they are social possums and often nest in large family groups.

Sugar Gliders' arboreal lifestyle means they can easily make their way to new habitats. When installing your nest box, try to place it so that it receives morning sun and afternoon shade to avoid cooking your possums during the hot summer months. Also consider the height that you place your box. Ideally it should be above head height though not so high that it sways excessively in the wind. Nest boxes can sometimes be purchased from indigenous plant nurseries, wildlife parks or 'Men's Sheds', though you can also build your own.

A feast fit for a glider

Once you've got a nest box up, the next thing to consider is food, and this can be achieved with some inexpensive planting. Although insects make up a portion of the Sugar Glider's diet, the majority is tree sap, pollen, and nectar.

To provide a good supply of food, a great genus of Australian plants to add to your garden are the wattles (*Acacia* spp.). This group of plants range from small shrubs to tall trees, though generally only those species which grow into trees are utilised by sugar gliders. Three great species to consider are *Acacia dealbata*, *Acacia mearnsii*, and *Acacia melanoxylon*, though be sure to only pick species native to your area as they will handle your soils and climate best.

Acacia dealbata is a good source of food for Sugar Gliders. Banksia are another great group of Australian plants to include as they produce large inflorescences, rich in pollen and nectar. As with wattles, try to choose species which form large shrubs or small trees like Banksia integrifolia which grows extensively along the east coast of Australia from Victoria to Queensland.

The Australian gum trees are another group to consider planting, though they often grow much taller than wattle trees or *Banksia*. Three main genera to consider are *Corymbia*, *Angophora* and *Eucalyptus*.

Your local indigenous nursery will likely stock a wide range of species, so go and check them out and see which ones you like best.

Keeping your gliders safe

Finally, once you've created the right backyard habitat, it's important that you keep your Sugar Gliders safe. Three main threats to urban Sugar Gliders are cats, European Honeybees and a lack of canopy cover.

Cats should never be allowed to roam free outdoors as it's dangerous not only for your cat but also for native wildlife (like Sugar Gliders) which cats will often prey on. So, for the safety of your tabby and your gliders, keep your cat indoors.

European Honeybees can also be a problem as they will sometimes invade nest boxes. Keep an eye out and if you spot bees flying in and out, it may be time to call a honeybee rescue service to safely remove the hive. Very often they'll do it free of charge too!

Lastly, consider connectivity. Sugar Gliders get around by gliding from tree to tree, but if there is not enough tree cover, they may resort to moving along the ground. This is incredibly dangerous for Sugar Gliders as it makes them vulnerable to predators. To keep your gliders off the ground, make sure there are enough trees planted to allow them to comfortably move around without leaving the canopy. Speak to your neighbours and see if you can cooperate with them to plant a Sugar Glider 'highway' through your backyards.

Help protect Sugar Gliders by following these three easy steps.

Now it's time to get cracking on cultivating a backyard sugar glider grove and inviting these incredible native mammals into your garden! It's a fantastic weekend project and you'll be helping to conserve our urban wildlife in the process. So, head out into the garden and get growing for gliders.

https://www.rememberthewild.org.au/cultivating-a-sugar-glider-grove-in-your-garden-a-diy-quide/?fbclid=lwAR27C5-IjDAHtsqoUxloiCkNhBrka5xbQ0TEttiwQaveSQN LYo5NFRAYRk

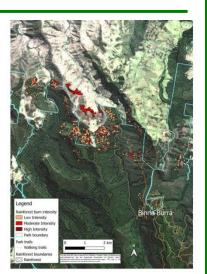
Fires in Queensland Rainforest may have been impacted by the presence of Lantana

In an article I read on ABC I found the following comments quite interesting.

"Where the fire was at a relatively low intensity, it tended to peter out after burning about 50 metres of rainforest. Fire can trickle through rainforest and not seem to cause too much damage," Dr Fensham said.

"But there are certainly situations here where the fire was roaring with the full force of a north-westerly gale and in those conditions it can really singe the rainforest and cause substantial damage."

Mr Norman says even minor damage to the Lamington National Park rainforest, which is home to more than 200 rare and threatened plant and animal species, is a concern.



"With any damage you always worry there's going to be a push in of weeds, particularly lantana," he said.

"And for many of the areas we've seen, the presence of lantana looks like it has actually impacted how flammable the area is."

https://www.abc.net.au/news/2019-10-02/extent-of-fire-damage-in-gold-coast-rainforest-revealed/11567574?pfmredir=sm&fbclid=lwAR0w7tiDRIGhlV1h7lBLtq46MhjDQ9CSe5-zv0SCMpugYni05e5wmjXZTtU

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 2019. 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/

Restoration and Rehabilitation grants

The NSW Environmental Trust is now inviting applications to the 2019 round of its Restoration and Rehabilitation Grants Program. A total of \$4 million is available to the following organisations for





projects that assist in the ongoing sustainable management and stewardship of significant environmental assets and services in NSW:

- □ \$2 million for projects by community organisations
- □ \$2 million for projects by government entities

Grants of between \$5,000 and \$100,000 are available.

Applications close **3pm Monday 18 November 2019**.

To find out about other grants programs delivered by the Environmental Trust, please visit the www.environmentaltrust.nsw.gov.au

Small Environmental Grant Scheme

Do you have a project that needs funding around flora and fauna conservation and/or threatened mammal conservation? The Small Environmental Grant Scheme grant round for November **opens on 1st October.**



http://nwf.org.au/grants/small-environmental-grants/

Tackling Tough Times Together Grants

FRRR's Tackling Tough Times Together grant program helps communities access the resources they need to support one another through the ongoing effects of the drought.



Applications received by **24 October 2019** will be awarded funding in February 2020. https://www.frrr.org.au/grants/tackling_tough_times_together

Agrifuture Rural Women's Award

The AgriFuture Rural Women's Award acknowledges and supports the essential role women play in rural industries, businesses and communities.



The \$10,000 bursary is awarded to each state/territory winner, providing the financial resources to bring to life a project or initiative that will benefit rural industries, businesses and/or communities. Applications close **31 October.**

https://www.agrifutures.com.au/people-leadership/rural-womens-award/

Recreational Fishing Trust Grants

The Department of Primary Industries is inviting applications for projects that will enhance recreational fishing. Applications for 2020 close on **31 October 2019**.

Department of Primary Industries

https://www.dpi.nsw.gov.au/fishing/recreational/recreational-fishing-fee/licence-fees-at-work/apply-for-funds

Weed of the Month

This month's weed of the month is Torpedo Grass *Panicum repens*.

One of our landcare groups had this brought onto their site with some grass mulch, so keep an eye open for it!

A species of grass known by many common names, including torpedograss, creeping panic, panic rampant, couch panicum, wainaku grass, quack grass, dog-tooth grass, and bullet grass. Its exact native range is obscure. Sources suggest that the grass is native to Africa and/or Asia, or Europe. It is present in many places as an introduced species and often a noxious weed. It has been called "one of the world's worst weeds.

This perennial grass spreads via its large, branching <u>rhizomes</u>, which are thick and pointed. The pointed shape of the rhizome tip gives the plant the name torpedograss. The rhizomes creep along the ground or float in water, forming floating mats. They can reach a length of 6 meters (20 ft) and a soil depth of 7 meters (23 ft), and they can form a mat 15 centimeters (5.9 in) thick. The spreading rhizomes sprout repeatedly to form colonies of stems. The stems are 20 to 90 centimeters (7.9 to 35.4 in) tall, sometimes



reaching 1 meter (3 ft 3 in). They gr ow erect or bend down. The leaves are stiff and straight, linear in shape, and flat or folded. They are sometimes white in color and waxy in texture. The <u>inflorescence</u> is a loose <u>panicle</u> of branches bearing small spikelets 2 to 3 millimeters (0.079 to 0.118 in) long.

http://plantnet.rbgsyd.nsw.gov.au/cgi-bin/NSWfl.pl?page=nswfl&lvl=sp&name=Panicum~repens https://bie.ala.org.au/species/http://id.biodiversity.org.au/node/apni/2912852

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!

Bangalow Land and Rivercare, Bangalow

WHEN: every Saturday 8:30am WHERE: find out from Liz Gander

CONTACT: Liz Gander <u>bangalowlandcare@gmail.com</u> 66871309

Green and Clean Awareness Team, Byron Bay

WHEN: 3rd Sunday of the month 9:00am WHERE: Meet Main Beach, Byron Bay

CONTACT: Veda Turner 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

Jinangong Landcare, Ocean Shores

WHEN: 1st Sunday of the month

WHERE: The Tunnel Road, Ocean Shores
CONTACT: Ian Parer ianparer@hotmail.com

Mullum Town Landcare, Mullumbimby

WHEN: last Sunday of the month WHERE: find out from Rita de Heer

CONTACT: Rita de Heer 02 6684 1495 <u>ritadeheer7@gmail.com</u>

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 0427 650 861

South New Brighton Dunecare

WHEN: 1st 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 6680 1970

Suffolk Park Dunecare

WHEN: 1st Saturday of the month

CONTACT: Helen Brown 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 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

- Arakwal http://arakwal.com.au/
- Border Rangers Alliance http://www.greateasternranges.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 <u>www.envite.org.au</u>
- Environmental Trust http://www.environment.nsw.gov.au/grants/envtrust.htm
- Friends of the Koala www.friendsofthekoala.org
- Local Land Services www.northcoast.lls.nsw.gov.au
- North Coast Local Land Services http://northcoast.lls.nsw.gov.au/
- Border Ranges Richmond Valley Landcare www.brrvln.org.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

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