



Newsletter

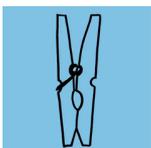
Conserving and restoring from forest to foreshore

Welcome to our July newsletter as we say hello to Plastic Free July. Keep your BYO kit handy as you head out to your favourite local market and help end single-use plastics. We've got a jam packed offering for you this month, perfect reading for these wintery July days.



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BRUNSWICK VALLEY LANDCARE IS A REGISTERED CHARITY ON PEGS AND PUBLINC



Local Pegs app allows businesses to offer discounted prices to locals. You can opt to keep the discount, tip the business, or donate to a local charity



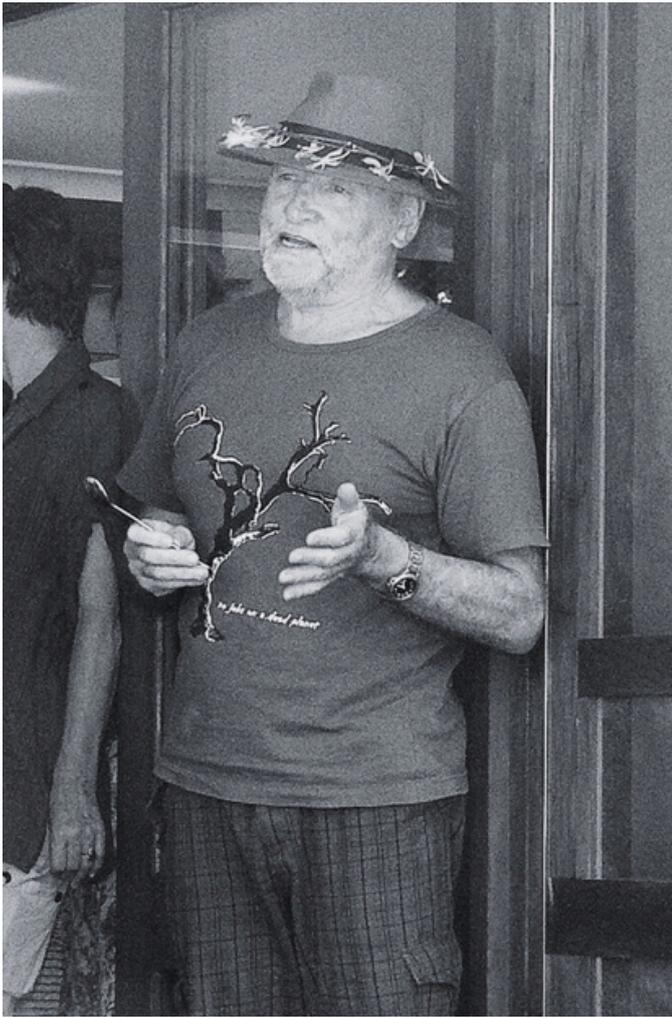
As a Publinc member, not only do you get discounts on food and drinks at Hotel Brunswick, but you can donate your points to a local charity



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

BVL NEWS

Vale John Bailey - a life well lived



John Bailey was an author, lawyer and Landcarer, amongst many other things. This tribute below, penned by Jo Green, speaks to John's Landcare legacy.

John's contribution to conservation was enormous. His contribution to Landcare will long be remembered. Some of this is mentioned here.

John was a regular member of the Mullum town locality group from the early 2000s until recently. An important helper in Early Bird Landcare, a group that looked after the Maslen Arboretum before breakfast, under the guidance of Nina Bishop. Later John joined the Mullum Town Landcare group, working along Mullumbimby Creek from the High School to the Bowling club and along Saltwater Creek. John and Anne were regulars and helped to keep the morale of the group going, solving the world's problems over a cuppa.

During this time John was instrumental in saving a piece of bush near the Bowling Club, which we came to call John's Forest. John's Forest remnant contains old rainforest trees including Coolamon, White Booyong and Cudgerie - it now connects to other riverbank restoration sites along the creek and is a precious gem of riparian habitat in the heart of Mullum.

Years ago, Mullum High School wanted to put demountable classrooms at the site. It was John's writing skills and clever turn of word that saved this patch of native vegetation. The Town Landcare group looked after this area in the early 2000s, restoring the understorey and removing weeds. Now it being cared for by the Council Bush Regen Team.

There is a sign planned to commemorate this special little bit of rainforest and acknowledge John's unforgettable contributions.

The Echo published a lovely tribute to John elaborating further on his career and creations <https://www.echo.net.au/2024/07/vale-author-lawyer-john-bailey/>



BVL NEWS



Tool Use and Maintenance Workshop - new date

Due to unforeseen circumstances, we postponed our Tool Use and Maintenance Workshop to the new date of 26th July, which is coming up quick. Don't miss out - register your spot today.

Where: Byron Centre for Permaculture (Cnr Burringbar and Gordon Sts Mullumbimby - opposite Byron Community College)

When: Friday 26 July, 2024 1.30pm – 4.30pm

A useful tool workshop for Landcarers!
Come and learn how to use common tools used in Landcare and gardening work properly. We will also cover maintaining them to keep them in good condition.

We'll also cover how to clean up and maintain secateurs so bring yours (or other similar tool) along to give them a make over.

Tickets \$25 which includes materials and afternoon tea.

Book today as places are limited:

<https://events.humanitix.com/tool-use-and-maintenance-workshop>



BVL NEWS

Thank you Joanne and welcome back Alison



Joanne McMurtry, right, pictured with Treasurer Jenny Hartigan, left, at this year's Mother's Day planting.
Image: David Brook



Alison Ratcliffe planting a tree for Rusty at this year's Mother's Day planting.
Image: Harry Hackett

The BVL Committee extends huge thanks to Joanne McMurtry for her great work filling in whilst BVL Coordinator Alison was on extended personal leave over the last year. Joanne stepped up to the role of Community Liaison Officer, nurturing and supporting BVL Locality groups.

It's been a productive time – Joanne has overseen establishment of three new Locality groups: Yelgun, Upper Main Arm and Upper Coopers Creek. Joanne has also been driving force behind the recent series of workshops, weeding days, film screenings and Volunteer day for Locality group Coordinators. The overwhelmingly positive response to each event is proof of Joanne's commitment to bringing Landcarers together and adding value to their experience. She's also been behind informing and entertaining you with BVL's monthly newsletter. I am sure all of you will join us in saying "Thank you Joanne!"

We also welcome BVL Coordinator Alison Ratcliffe back on deck. You have been missed. We're excited to have you back at the helm, driving BVL activities forward under the new Landcare Enabling Program agreement between Landcare NSW and NSW Local Land Services. Alison will pick up where Joanne left off as Community liaison for BVL Locality groups and continue supporting members with her expertise and welcoming ways.



BVL PROJECTS UPDATE

BVL's 13th Annual Mother's Day planting....take 2



Second time's a charm! On June 16 over one hundred community planters turned out for the 13th annual BVL Mother's Day planting (postponed from May). Under glorious winter sun, 1540 trees went in the ground as planters were serenaded by lush vocals from Jesse Witney and Abbie Cardwell. Lyn, Peter, Ian & Tracey as custodians of the planting site could not have been more awesome to work with. They organised the planting area, along an internal stream through the site, to be entirely fenced off from their cattle to protect the plants.



Images: Nino Haggith

Landcarers young and old turned out for their mums and did a damn fine job carefully planting, mulching and watering in the seedlings, with guidance from some of our Landcare living legends. What a fantastic community team.

More images next page

BVL's 13th Annual Mother's Day planting.....take 2

This year's event was made possible through principal funding from Northern Rivers Community Foundation – thanks NRCF. Also through the generous support of Byron Shire Council, Mullum Chamber of Commerce, Little Valley Distribution, Bay FM, Byron Echo, Stone & Wood and Wanganui Green. Big thanks to BVL's tireless Committee members, staff and Locality group reps who showed up for days getting the whole show on the road. Love your work everyone!



Images above: Nino Haggith and below: Harry Hackett



BVL PROJECTS UPDATE

Post-Flood Weed workshop



On Saturday 29 June, BVL ran a Post Flood Weeds workshop at Durrumbul Hall. Advertised as a double act from our Bush Regenerator dream team Rocket & Rawlo, Rocket unfortunately couldn't attend due to illness. The silver lining was that the wonderful Severine Sandsmark stepped up to fill Rocket's shoes on the day.

The 2022 floods caused a massive dispersal of weeds, some popping up for the first time in locations they've not been present before. The aim of this workshop was to empower landholders through community-based learning, as well as provide practical support in facing the scale of the issue, which can at times feel overwhelming.

It was a great turn out. Rawlo and Sevy collected and presented heaps of specimens to help participants with their weed ID. The workshop classed weed type by mode of dispersal, so while we focussed on a few leading contenders, so much more was covered. Workshop participants were led through a theory session first before being guided through practical demonstrations of best-practice control techniques. Sevy's tool talk was a hit, as was Rawlo's tree popper demo. One helpful tip – if you don't own tree poppers, Mullum's Library of stuff have some to borrow, check out how to become a member <https://libraryofstuff.org.au/>

A series of Weed Fact Sheets were produced for the workshop, which will be available next week from Byron Shire Council's Administration desk, and soon to be featured on BVL's website 'Resources' page (our beautifully revamped website is coming soon).

This workshop opportunity was made possible through support from Byron Shire Council and jointly funded by the Australian and NSW Governments under the Disaster Recovery Funding arrangements.

BVL PROJECTS UPDATE

Bringing Back the Bundjalung: The Richmond Birdwing Butterfly Corridor An initiative of Upper Main Arm Landcare locality group (content supplied)



Picture: Sally Elmer

The Upper Main Arm community have wasted no time since establishing their Landcare locality group last year. With their annual \$500 funding from BVL, UMALC have launched a project to plant and nurture a corridor of birdwing vines to support the Richmond Birdwing Butterfly, *Ornithoptera richmondia* in the Brunswick Valley.

The Bundjalung (butterfly) is the totem of the Bundjalung people, an indication of the abundance of butterflies once found in the Northern Rivers.

With a wingspan of up to 16 centimetres, the Richmond Birdwing Butterfly is one of Australia's largest butterflies. The female lays eggs on the underside of leaves of only two native vines: the lowland Richmond Birdwing vine (*Pararistolochia praevenosa*) and the Mountain Aristolochia (*Pararistolochia laheyana*) (>600m). Larvae are dependent on the vines for food and caterpillars only leave the vines to develop into pupal and adult stages.

The species was once common from the Mary River in Queensland to the Clarence River in New South Wales and west to the Great Dividing Range. However, since the early 1900s the butterfly's range contracted due to significant clearing of its preferred rainforest habitat, mainly for agriculture. Also devastating was the release, by the nursery industry, of the exotic Dutchman's Pipe vine, which tended to replace the native *Pararistolochia* vines as the preferred host on which females laid their eggs.

Unfortunately, eggs laid on the exotic vine species die. Today, the Richmond Birdwing Butterfly's distribution is fragmented, with the species occurring in two main areas: on the Sunshine Coast in Queensland and, in the south, from Ormeau in Queensland to Wardell in north-east New South Wales. There is a small population in the Brunswick Valley at Upper Main Arm.

In this first project stage, UMALC have planted 100+ vines at 10 sites, with more planned at another 5 sites in future stages. Community education and engagement is an important feature of the project, creating awareness of Dutchman's Pipe as a threat to the butterflies' survival, and sharing the skills and techniques to control this naturalised species.

Great initiative – go Upper Main Arm Landcare!

Rainforest Connections Conference



A number of the BVL team attended the recent Rainforest Connections Conference 4 - 7 June at Ballina RSL, organised by NSW Department of Climate Change, Energy, the Environment and Water (DCCEE). What a fabulous couple of days, equally sobering and inspiring. The conference brought together over 100 speakers with a room full of other ecologists, academics, researchers and rainforest restoration practitioners.

The very first Rainforest Conference, "Rainforest Remnants" was held back in 1988, hosted by NSW NPWS. The follow up, "Rainforest Remnants: A Decade of Growth" in 1998. Twenty-six years later, you could say 2024's Conference, "Rainforest Connections" was well overdue. That was evident by the sheer excitement in the room at gathering once more to hear and discuss latest knowledge. The focus this year was on building relationships with stakeholders, recognise the common themes involved with rainforest management and encourage cross-border, cross-agency and cross-discipline collaborations.

The program was jammed packed with sessions running concurrently across three rooms, the calibre of Speakers was mind blowing and many fascinating areas of study. It was really difficult choosing who to hear when then making the dash between spaces. Some highlights to share:

- Jo Green presenting for BVL "Restoring Riverbanks for habitat and threatened species in a changing climate"
- Wilsons Creek Huonbrook Landcare's Barbara Stewart presenting "Big values, grave threats, solutions and questions"
- Nan Nicholson on "Why rainforest botanist Alex Floyd was so loved"
- Hank & Sue Bower's "Restoration of oceanic rainforest on Lord Howe Island"
- Olli Costello from Jagun Alliance "Ngalii ngaa Garima lee la jaguun, jaguun Garima mebeernd: We care for Country, as Country cares for us"
- Brian Hawkins "The fruit-doves' forest"
- Alicia Scanlon & Lilly Clegg on "Girrimarring wiirrilgal bulany ngayanbading: Golden-tipped bat roost weaving project"
- And whilst it doesn't sound like a funny topic, Mark Dunphy from Firewheel Nursery brought the entire house down with his presentation "Camphor conversion: a new model for restoration". Back-up stand-up career option Mark!

Flood recovery program for water quality monitoring - East Coast

NSW Environmental Protection Agency is leading a comprehensive program supporting long-term recovery from the 2022 floods by monitoring water quality in disaster-declared catchments along the East Coast of NSW.

The program is being delivered through 2 key projects:
Guung Butherun (water stories) Project – Delivered by Jagun Alliance Aboriginal Corporation
East Coast Flood Project – Delivered by NSW Department of Climate Change, Energy, Environment and Water.

The program is part of Regional NSW Riparian Stabilisation Package and funded by the joint Australian and NSW Government’s Disaster Recovery Funding Arrangements.

You can find out more by visiting:

<https://www.epa.nsw.gov.au/reporting-and-incidents/flood-recovery-programs/water-quality-monitoring-program>



News from Landcare NSW



A Collaborative approach for Statewide Impact

Grant Consultation Process: Seeking Your Input

Landcare NSW is committed to simplifying the process for applying to statewide projects and establishing a Regional Consultation process. To design this effectively, a series of consultation sessions will be conducted with guidance from our State Advisory Council.

Regional Representatives and volunteers are invited to provide their insights on the key features necessary for an effective Regional Consultation process. Key considerations include who needs to be consulted, realistic timeframes, barriers to success, and communication methods. Your feedback is critically important to ensure efforts align with regional needs and capabilities.

If you wish to join future working groups, please reach out to us.

If you are interested in participating in the development of these procedures and protocols, please contact Peter Dixon at pdixon@landcarensw.org.au.

Watch out - echidnas about!

Courtesy of Byron Bay Wildlife Hospital



It's that special time of year when our spiky friends, the echidnas, are out and about! During breeding season, you'll spot them crossing roads and wandering through properties. Here are some ways you can help keep them safe:

- ◆ Slow Down: Drive carefully, especially at dawn and dusk when echidnas are most active.
- ◆ Check Before Mowing: Ensure no echidnas are hiding in long grass or under bushes.
- ◆ Secure Pets: Keep dogs and cats indoors or supervised to prevent them from harming echidnas.
- ◆ Create Safe Passages: If you see an echidna, give it space and ensure it can safely cross roads or navigate through your property.

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An evening with the Federal Environment Minister Tanya Plibersek



Nature Conservation Council
The voice for nature in NSW

Nature Conservation Council NSW are inviting people to join hundreds of environmental leaders and concerned citizens for an Evening with the Minister on

Thursday, August 15th from 6:30 to 7:30 pm.

It's an online forum via Zoom.

If you're interested, head to the NCC page below to RSVP and receive the zoom link.

https://www.nature.org.au/evening_with_the_minister_2024?recruiter_id=352506

BYRON SHIRE COUNCIL NEWS

You may have noticed the new electronic Flood Warning signs and cameras recently installed on Main Arm Road, Left Bank Road and Myocum Road.

The signs have solar-powered flashing lights that are activated when water levels reach a trigger point.

Katie Hughes, Acting Infrastructure Planning Coordinator, said the signs, which were funded by a \$300,000 grant from the NSW Government and the Commonwealth's Disaster Risk Reduction Fund, will be a strong signal and warning to drivers that they should not go any further on the flooded road.

"Main Arm Road, Left Bank Road and Myocum Road are busy rural roads and during significant wet weather events, drivers are regularly caught out by attempting to drive through flood water in these areas," Ms Hughes said.

"The SES has responded to countless calls to help drivers whose vehicles are stuck in the water and sadly some lives have been lost over the years.

"Lights will now automatically come on when water reaches a certain level indicating the road is closed and the situation is dangerous. Cameras have also been installed with images updating every 15-minutes and feeding through to Council's Emergency Dashboard so people can assess the situation before getting in the car," Ms Hughes said.

People can see the [images from the cameras](#) now by going to the Byron Shire Emergency Dashboard website.

Growth in emissions of 'forgotten greenhouse gas' nitrous oxide is speeding up: study

excerpt of article originally published in ABC Science 12 June 2024, by Peter deKruiff



Emissions of the powerful greenhouse gas nitrous oxide (N₂O) by humans has increased 40 per cent in the past 40 years, according to a new report. The second-ever global nitrous oxide budget also found the rate of annual growth in emissions of N₂O is increasing, with agriculture being a major source. Known as the "forgotten greenhouse gas", N₂O has 300 times the warming potential of carbon dioxide (CO₂).

https://www.abc.net.au/news/science/2024-06-12/nitrous-oxide-the-forgotten-greenhouse-gas-is-on-the-rise-study/103959392?utm_campaign=abc_news_web&utm_content=link&utm_medium=content_shared&utm_source=abc_news_web

The Tiny Fly That Could Transform Agriculture

Courtesy of SoilCare e:News: Ambrook Research, by Kristin Richard, April 25, 2024

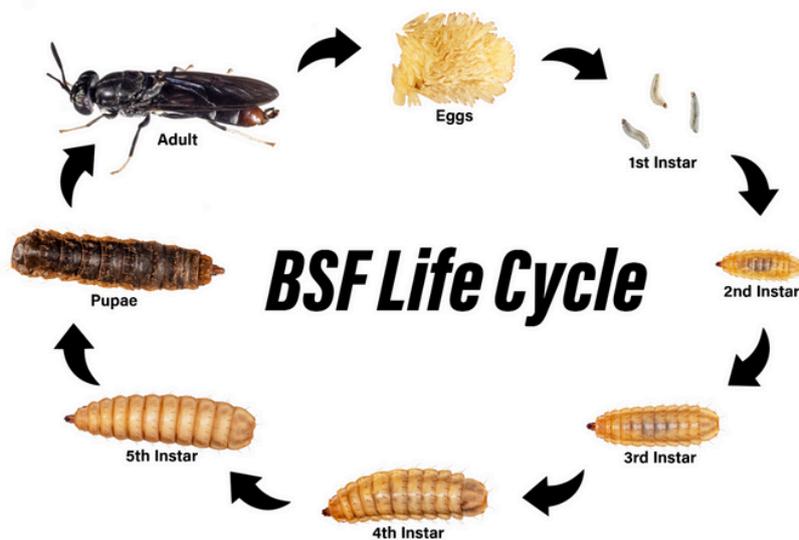


Figure 3. The complete life cycle of a black soldier fly. (Graphic Credit: Bransen Shidler)

The humble black soldier fly (BSF) has been a chicken feed staple for years, but it's only recently that researchers realized their untapped potential to convert waste into natural fertilizers and pesticides.

Black soldier fly farmers and researchers believe these unglamorous flies have a lot to offer the world of agriculture and beyond — especially when it comes to the waste (frass) their larvae can produce.

Read the full article here: <https://extension.entm.purdue.edu/publications/E-276/E-276.html?ref=ambrook>

Can humanity address climate change without believing it? Medical history suggests it is possible

excerpt of article originally published in The Conversation online 10 July 2024, Author Ron Barrett

Strange as it may seem, early germ theorists could tell us a lot about today's attitudes toward climate change. While researching for a new book about the [history of emerging infections](#), I found many similarities between early debates over the existence of microbes and current debates over the existence of global warming.

Both controversies reveal the struggles of perceiving an unseen threat. Both reveal the influence of economic interests that benefit from the status quo. But most importantly, both reveal how people with different beliefs and interests can still agree on key policies and practices for tackling a global problem.

You can find the full article here, fascinating read: <https://theconversation.com/can-humanity-address-climate-change-without-believing-it-medical-history-suggests-it-is-possible-230936>

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Only 60% of Australians accept climate disruption is human-caused, global poll finds

excerpt of article originally published in Guardian Australia online 24 June 2024, Author Grahame Readfearn

French survey of 26 countries finds fewer Australians than global average agree that climate change is the greatest health threat facing humanity.

Australians are among the most sceptical around the world that climate disruption is being caused by humans and that the costs of tackling it will be less than that of its impacts, according to polling across 26 countries.

Just 60% of Australians accept that climate disruption is human-caused, a fall of six percentage points from the previous poll 18 months earlier and well behind the global average of 73%, according to the results from French polling company Elabe.

You can find the full article here:

<https://www.theguardian.com/environment/article/2024/jun/24/climate-change-survey-human-caused-poll-australia>

EVENTS & WORKSHOPS

Tickets now on sale - Thursday 8 August



Join us for a special screening, a BVL Fundraiser for Landcare week

Any proceeds after expenses will go towards more tree plantings, habitat restorations and bush regeneration projects across the Byron Shire.

Stick around for a drink with us after the screening.

Thursday 8 August

6.30pm

Byron Theatre

69 Jonson Street, Byron Bay

Tickets \$25 now available at

<https://www.byroncentre.com.au/theatre-events/climate-changers-film-screening>

EVENTS & WORKSHOPS

Waterwatch Workshop

Join NSW Waterwatch and River Ecology Australia at a free Waterwatch and Waterbug training workshop and learn how you can help to monitor your local waterway.

Participants will be trained in macroinvertebrate sampling, identification, and water quality monitoring.

Wednesday
24th July
10am-2pm

(Tea and registrations from
9:30 am)

Holmes Park,
Oliver Ave, Goonellabah



RSVP

Bookings essential for catering purposes.
cen.org.au/events



EVENTS & WORKSHOPS

From Byron Shire Council's Byron Farmers Network

Food Security in the Northern Rivers

Are you actively involved in building resilience and security into the local food system? Join Plan C and 25 other food security researchers, local growers, makers and sellers to discuss future pathways forward.

When: Saturday 20th July 10am-2pm

Where: Murwillumbah Community Centre in Knox Park

Visit the [Plan C website](#) for more information and to register

Tracking Soil Health with Nicole Masters – Free webinar

This webinar is a great one for graziers and will teach you about 3 different soil health indicators you can use to understand your own soil and whether your land management decisions are tracking in the right direction.

When: Friday 26th July 9am – 10.30am

Where: Online webinar

Visit the [event listing](#) for more information and to register

Film screening of 'The Power of Local' and facilitated community discussion on localisation solutions

Relocalise Northern Rivers will be bringing the community together again for a screening of their latest film that showcases thirty examples of localisation in action from five continents, all initiated by people working to create healthy and fair local economies, communities and food systems. Following the film screening a facilitated discussion will be held to explore how we can implement some of the inspiring examples from the film in this region.

When: Saturday 27th July 2.30 – 5.00pm

Where: Byron Community Centre

Visit the [event listing](#) for more information and to register

For more information, contact Andrew Cameron Agriculture@byron.nsw.gov.au

EVENTS & WORKSHOPS

Bandjalang Country - Northern NSW
JOIN US JULY 31ST - AUGUST 4TH 2024



21ST ANNUAL KORINDERIE RIDGE COMMUNITY **REGEN WEEK**

We are excited to invite you to join in our long term, community led, ecosystem restoration initiative. Camp in the forest overlooking the pacific ocean surrounded by native wildlife and great facilities. Delicious & healthy meals provided!

FOR MORE INFO OR TO BOOK YOUR SPOT CONTACT - KATIE 0435 746 447

OR EMAIL REGENWEEK@KORINDERIE.ORG.AU

Spaces are limited for this free event based on reciprocal exchange and bookings are essential. Please specify if you would like to attend for the full 5 days or the weekend only, day visits are also welcomed. Looking forward to welcoming back regulars and meeting new folks!



EVENTS & WORKSHOPS

Restoring Good Eco-Cultural Fire



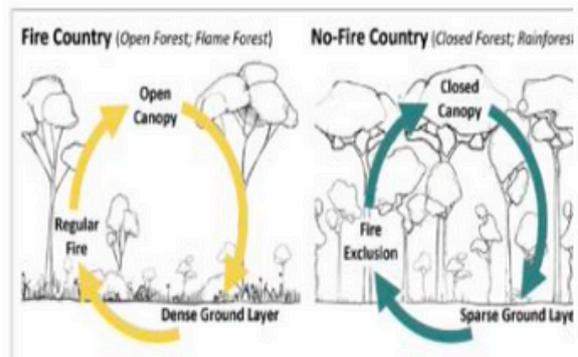
To: Landholders of Fire Country

Over the last 200 years, the reduction of cultural fire practices has resulted in fuel loads that drive bushfires and change ecosystems. Good Fire, under the right conditions and with expert oversight, is cool, controlled and staged in mosaic patterns over multi-year intervals.

Zero Emissions Byron, in collaboration with Jagun Alliance Aboriginal Corporation, are restoring good fire to conserve biodiversity, improve community co-operation, bushfire safety and continue connection to Country. These practices reduce fuel for destructive bushfires and atmospheric carbon. Find out how Good Fire draws down CO₂ [here](#).

Good Fire Restoration Plans are now being prepared for freehold properties in open forest country, these serve as a long-term property asset. To further promote understanding of this practice you are invited to attend a Good Fire Workshop, on a property with a plan and experience a (condition dependent) cultural demonstration burn on Friday Aug 30th 2024 (location TBC).

If you would like to attend the workshop contact landuse@zerobyron.org for more information and if you are interested in developing a Good Fire Plan please register an Expression of Interest [here](#) with project partner Byron Shire Council.



Koonyum Range Good Fire Workshop, May 2023.
Photo Credits: J. Ryan & P. Daley



Byron Bird Buddies July Program

<https://www.byronbirdbuddies.com.au/>

Byron Bird Buddies (BBB) www.byronbirdbuddies.com.au		Monitoring Program - July 2024	
<ul style="list-style-type: none"> • BBB – July & August - biannual survey for KBA areas in Northern Rivers – Mt Jerusalem NP (Wilson Creek, Koonyum Range & Middle Ridge Road & Cowan Creek Road) Goonengerry NP & Upper Coopers Creek Property) – Nightcap NP – Mt Nardi, Protestor Falls, Rummy Park & Rocky Creek Dam with assistance of RBB. • Commence (July) nesting season for Bush Stone-curlew (BSC). Ongoing monitoring for BSC locations and record on BBB on-line SS – Check fortnightly for pairs and weekly for nest. Contact BBB if you wish to be involved contact - byronbirdbuddy@gmail.com <p>A national BirdLife Australia citizen science project -count birds in your backyard at any time or just seasonally during July - https://www.birdsinbackyards.net/content/article/Winter-survey-time-Who-visiting-your-garden – You will need to download the BirdLife App. Each quarter BLA launches a seasonal survey. By dividing the year up by seasons, so they can track changes in bird communities at the same four times each year – Summer (December & January), Autumn (March & April), Winter (June & July), and Spring (September & October).</p>			
Date & Time	Where	Why	
Sunday 7th 09.00 start	Byron Wetlands & Belongil Estuary – Meet at Byron Wetlands (09.00–10.00) – then Belongil Beach -meet at Elements Carpark end of Bayshore Drive byronbirdbuddy@gmail.com Mobile 0428864378 - Booking necessary	BBB - BirdLife National Shorebird Monitoring High Tide 0907 1.16 Low Tide – 14.30 .33	
Monday 8th 08.00 start	Brunswick River & Brunswick Salt Marsh. Booking necessary Meet end of North Head Rd – New Brighton. byronbirdbuddy@gmail.com or 0428864378	BBB - BirdLife National Shorebird Monitoring High Tide 9.47 -1.17 Low Tide 15.17 - 0.37	
Tuesday 9th 08.00 start	Where: Koonyum Range Mill Rd - Booking necessary. Meet: – Wilson Creek Rd & Koonyum Range Rd & carpool. Contact: byronbirdbuddy@gmail.com	BBB – survey KBA – monitoring (1st survey for 2024-25)	
Wednesday 10th 08.00 start	Upper Crystal Creek – for more details bandjmcnaughton@bigpond.com . next outing decided at the end of previous survey.	RBB – survey & outing	
Sunday 14th 08.00 start	Byron Wetlands Contact madzufi@gmail.com	BLNR- survey & outing	
Tuesday 16th 08.00 start	Mt Jerusalem NP – Middle Ridge Rd & Sth Chowan Creek. Meet at Main Arm store & car pool. byronbirdbuddy@gmail.com or Mobile 0428864378	BBB - survey – KBA site (1st survey for 2024-25)	
Saturday 20th To be allocated	Ballina – Several sites to choose from or a site will be allocated – for time & location Contact Hans Wohlmuth hwohlmuth@gmail.com . High tide 7.15	Ballina - BirdLife National Shorebird Monitoring	
Monday 22nd 08.00 start	Seapeace. – private property - must register contact: byronbirdbuddy@gmail.com for directions. Or Mobile 0428864378	BBB Full site survey	
Tuesday 23rd 8.00am start	Vallances Road - Mullumbimby – must register. Register with Vicki -davvix1@gmail.com . Meet at the ponds bottom of Vallances Rd	BBB – Morning survey – for BBB-BSC reporting -	
Wednesday 24th 08.00 start	To be advised -. richmondbrunswickbirdwatchers@gmail.com or bandjmcnaughton@bigpond.com	RBB – outing will decide at the end of previous survey.	
Thursday 25th 08.00 start	The Wallum site – meet at the end of Omega Court. For more information. Contact byronbirdbuddy@gmail.com	BBB – site survey	
Tuesday 30th 08.00 start	Montecollum – private property. For details and address contact byronbirdbuddy@gmail.com	BBB – survey	

FUNDING

Living Carbon Grants



North Coast applications haven't opened yet but this will be one to keep your eyes out for....

Managing carbon is both a challenge and an enormous opportunity for landholders. If you are a landholder in NSW, you may be eligible for a NSW Government grant to set up a carbon planting project. This could help you secure the health of your land, improve productivity, and unlock new income streams. Your land could be used to revegetate habitats for threatened or iconic species such as koalas.

We are partnering with the NSW Koala Strategy and NSW Local Land Services to work with landholders who share our commitment to acting on climate change.

Eligibility

We are investing \$5 million in Living Carbon grants to assist eligible applicants in delivering carbon abatement through planting projects in 3 regions in NSW:

- the Riverina Local Land Services region
- the North Coast Local Land Services region
- the MidCoast Local Government Area.

Successful applicants will receive up to \$200,000 of grant funding, and the landholder is expected to commit funding and/or in-kind contributions to complete the project.

Link for full program details: <https://www.energy.nsw.gov.au/business-and-industry/programs-grants-and-schemes/primary-industries-productivity-and-abatement/living-carbon>



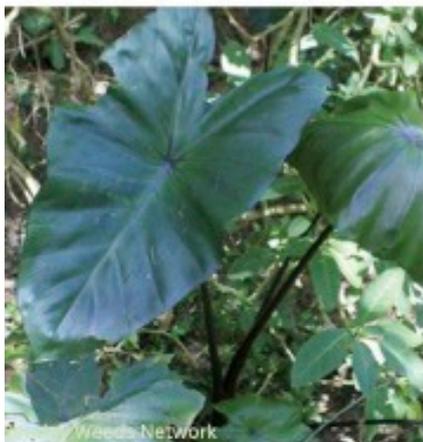
NSW Climate and Energy Action

WEED OF THE MONTH

Introducing one of the Fact Sheets produced for the Post-Flood Weed workshop

TARO

Colocasia esculenta



Description

A large herbaceous plant growing 1-2 m tall. Large "elephant ears" leaves (17-70 cm long) grow from the base, upper surface glossy green to bluish-black. Produces tuberous creeping stems. Leaves are borne on thick, spongy, stalks 30-100 cm long. These upright leaf stalks are joined to the undersides of leaf blades and are usually purplish in naturalised plants. Its elongated flower clusters (6-21 cm long) have green female flowers at the base and yellowish male flowers towards the tip. These clusters are mostly enclosed by a large greenish-yellow or yellow bract 20-35 cm long. Its fruit are small oval berries (3-5 mm long) that turn orange or red as they mature.

Impacts

Forms dense monocultures, shade tolerant. Spread from gardens and invaded waterways and wetlands forming large and dense colonies and replaces native aquatic plants.

Habitat

A weed of waterways, riparian vegetation, wetlands and the margins of waterbodies.

How is it spread

This species reproduces by seed and vegetatively via its tuberous underground stems (i.e. rhizomes and corms). Seeds are spread by birds and other animals that eat the fruit. The tuberous roots, corms and seeds are dispersed in dumped garden waste and by water during floods.

Origin

Asia

Similar species

There are many different variants. Edible cultivars (*Colocasia esculenta* var. *esculenta*) and ornamental garden cultivars (mostly *Colocasia esculenta* var. *antiquorum*) of this species have been introduced into Australia, and both have become naturalised. However, it is the purple-stalked ornamental garden cultivars (i.e. *Colocasia esculenta* 'Euchlora' and *Colocasia esculenta* 'Fontanesii') that seem to be the most invasive in Australia.

- *Alocasia brisbanensis*. Cunjevoi has green stems, white flowers and red fruits. **Native**

updated June 2024

WEED OF THE MONTH



TARO

Control Methods

PHYSICAL REMOVAL

By hand small infestations dig up rhizome and hang up to dry it out. Larger infestations: dig up and remove, though this can cause a large amount of soil disturbance.

CHEMICAL CONTROL

Foliar spray repeated treatments needed or **cut, scrape and paint** or **drill & inject** rhizome with glyphosate and water.

Weed wipers to apply herbicide directly onto leaves.

To control dense patches of the plant near waterways **splatter gun** can be used. Use only formulas that are registered for use near waterways.

The whole plant contains Calcium Oxalate crystals which are slightly poisonous (unless cooked) for humans, horses, dogs, and cats. Leads to oral irritation.

Best Season

All year but best prior to fruiting.

Biosecurity Duty

All pest plants are regulated with a general biosecurity duty to prevent, eliminate or minimise any biosecurity risk they may pose. Any person who deals with any plant, who knows (or ought to know) of any biosecurity risk, has a duty to ensure the risk is prevented, eliminated or minimised, so far as is reasonably practicable.

Herbicide

WARNING - ALWAYS READ THE LABEL

Users of agricultural or veterinary chemical products must always read the label and any permit, before using the product, and strictly comply with the directions on the label and the conditions of any permit. Users are not absolved from compliance with the directions on the label or the conditions of the permit by reason of any statement made or not made in this information. To view permits or product labels go to the Australian Pesticides and Veterinary Medicines Authority website www.apvma.gov.au. See [Using herbicides](#) for more information.

PERMIT [9907](#) Expires 31/03/2025

More information

<https://weeds.brisbane.qld.gov.au/weeds/taro>



Weedwise

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
CONTACT: Noelene Plummer bangalowlandcare@gmail.com 0431 20 0638 6687 4470

Friends of Lilli Pilli (Byron Bay)

WHEN: 1st Saturday of the month 3:30pm - 5:00pm
WHERE: At entrance to Lilli Pilli (contact Deb).
CONTACT: Deb Jorgensen deborah.jorgensen60@gmail.com 0434 254 802

Green and Clean Awareness Team, Byron Bay

WHEN: 3rd Sunday of the month 9:00am
WHERE: Meet Main Beach, Byron Bay
CONTACT: Peter Farmakis peter.farmakis@gmail.com 0488 715 565

Heritage Park Landcare, Mullumbimby

WHEN: 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: Morning of last Sunday of the month
WHERE: find out from John Tann
CONTACT: John Tann johntann99@gmail.com

Ocean Shores Landcare, Ocean Shores

WHEN: each Thursday 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

Suffolk Park Dunecare

WHEN: 8.30 - 10.30 every fourth Sunday of the month
WHERE: find out from:
CONTACT: Rebekah O'Flaherty rebekahoflaherty@gmail.com 0428 942 903

Tallowood Ridge Locality Landcare

WHEN: Second Saturday of the month from 3pm (winter), 4pm (summer).
WHERE: Tallowood Ridge Estate, Mullumbimby
CONTACT: Joanne McMurtry jmcmurtry@bigpond.com

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

LINKS

- Arakwal <http://arakwal.com.au/>
- Australian Association of Bush Regenerators <http://aabr.org.au>
- Border Rangers Alliance http://www.greasterranges.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
- Environmental Trust <http://www.environment.nsw.gov.au/grants/envtrust.htm>
- Friends of the Koala www.friendsofthekoala.org
- Federal Landcare Inc federalandcare@gmail.com
- Local Land Services 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
- 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 Coordinator, Alison Ratcliffe 0421 244 640
info@brunswickvalleylandcare.org.au

www.brunswickvalleylandcare.org.au

