



Whitsunday
Catchment
Landcare

Newsletter

September 2019

www.whitsundaylandcare.org.au



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Central QLD Coast
Landcare
Network

A partnership for the natural resource management of catchments in the Central QLD Coast Bioregions.

CATCHMENT COORDINATOR:

Cath Campbell

Ph.: 0408 187 944

coordinator@whitsundaylandcare.org.au

PROJECT OFFICER:

Peter Alden

Ph.: 0488 768 567

CONTACT US FOR INFORMATION:

- Natural Resource Management
- Land management
- Native plants
- Environmental weeds
- Volunteer activities

BECOME A VOLUNTEER:

Come seed collecting; learn to identify native plants; how to propagate them; improve your environment; enjoy the outdoors in a fun, social setting.

If your interested in any of the above to do your bit for the environment and socialise with like-minded people? We have coordinated activities on Tuesday & Thursday mornings and more. Contact us!

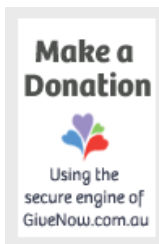
WCL Management Committee:

Graham Armstrong, Chair
Scott Hardy, Deputy Chair
Jacquie Sheils, Secretary
Glenda Hodgson, Treasurer
Jim Dickens
John Casey
Cr Ron Petterson

WCL is a community not-for-profit group, relying on grants & donations.

We are a registered charity; donations of \$2 or more are tax deductible. To make a donation please contact us or go to our page:

www.givnow.com.au



Coming Up in September.

COMMUNITY NURSERY OPEN FOR PLANT SALES (CASH ONLY)

9am-12noon Tuesday, Thursday & the 1st Saturday
of each month-

Next Saturday opening—7th September 2019

I am going on holidays for the month of September so there won't be any extra activities this month & Pete will be busy with a grant acquittal & some revegetation site maintenance. Sorry -just not enough hours in a part-time week for both Pete & I. But.....

Mackay District Orchid Society are having their Orchid Extravaganza

Saturday 28th & Sunday 29th September

8am—3pm

Victoria Park State School

on the corner of Goldsmith & Shakespeare Streets, Mackay.

Its quite a picture seeing all those beautiful Orchids

At the Community Nursery & Volunteer Activities in August:

33 Kelsey Creek Rd Proserpine

Tuesday & Thursday 9am—12.30pm.

Tuesday	Thursday
3rd: Nursery Maintenance & propagation activities	5th: Propagation, Seed processing, Potting, Record keeping etc. at the nursery
10th: Nursery Maintenance & propagation activities	12th: Propagation, Seed processing, Potting, Record keeping etc. at the nursery.
17th: Nursery Maintenance & propagation activities	19th: Propagation, Seed processing, Potting, Record keeping etc. at the nursery.
24th: Nursery Maintenance & propagation activities	26th: Propagation, Seed processing, Potting, Record keeping etc. at the nursery

WCL receives support from the following organizations:



Australian Government
Department of the Environment



WCL National Tree Day- 9am Sunday morning on the 28th July Galbraith Park



We had a great turn out for National Tree Day this year. The site was prepared with the help of the Whitsunday Regional Council who paid for the delivery of mulch. WCL paid for the spreading and our dedicated volunteer Dave & Jim spent many hours installing the irrigation. Thank you Dave & Jim.

The day coincides with Cannonvale State School fete so we have to compete for attendees but we had 38 people turn up to help plant the 500 native plants that went into the last patch of bare ground. Thank you to all those that attended.

Above: Ready for planting business
Photo: Cath Campbell

Filby's Toyota attended as well & provided a great bbq sausage sizzle and handed out all the great giveaways that are provided by Toyota & Planet ARC. Thank you to Emily the Filby's team.

We got to use our new drill & auger to prepare the planting holes- which was a great relief to many- the digging can be the hardest part. But when a site is so well prepared with mulch & pre-watering & the power planter- it becomes a breeze- especially in that great soil that's in that section of the park.

This years event will be the last big planting at Galbraith- WCL has completed over 2km plantings along both creek that align the park. We will continue to undertake maintenance activities at the site such as weed control, in-fill plantings & collect seed for our Community Nursery. But what an achievement- 10 years of hard work.

Congratulations to all those that have participated.



Above: Jim installing the irrigation & then it all set up & pre-watering before planting on Sunday. Photo: Dave Young



Above: Chris Barbeler using the power planer to pre par the holes for planting. Photo: Jacquie



Above: Our very merry band of volunteers had at work. Photo: Jacquie Sheils



Above: A job well done! From left to right-Wayne Oakley, Kay Kunze, Jan Armstrong, Chris Barbeler & Heath Marshall. Photo: Jacquie Sheils



your



membership is due.

We are trying to align the membership with the financial year. You will find the membership form at the end of this newsletter.

Please print it out, fill it in and then send it back to us:

- as a scan by email,
- snail mail or
- drop it off at the office or Community Nursery (at 33 Kelsey Creek Road)

Our email & Office addresses are on the form.
Thank you for being a member of WCL

Industrial Technology and Design

Proserpine State High School's partnership with Whitsunday Catchment Landcare (WCL) commenced approximately 15 years ago when the school met with volunteers from WCL to work with them to design and produce tables for seed and plant propagation. The design developed tables that are 1200mm wide x 2400mm long and 900mm high. The relationship continued after the initial concept when Christine Petersen came on board and more tables were produced. The current tables have been made for WCL Community Nursery. The tables are used to grow-on our seedlings of local species plants with seeds sourced by the WCL volunteers. The plants are then used for public use, council projects and revegetation projects.

A big THANK YOU to the Year 12 Engineering students & their teacher Mr Brockley from Proserpine State High School who produced the tables as an extension project for students who show initiative and interest in furthering their skills in the engineering field. The students at Proserpine State High School undertake their learning in a simulated workplace environment to help prepare them for a future in trade related employment.

The tables will have mesh placed on top and will fill in the gaps of our irrigated bench layout.



Above: Proserpine Year 12 Students who made the benches.
Photo: Grant Brockley

WONDER
OF
SCIENCE

FLYING SCIENTISTS
Engaging Rural Queenslanders In Science



Presents a **FREE Community Event**

Sustainable Environments

*Feature presentation:
Microbes for accelerated mine site remediation*

with Dr Emma Gagen



Tuesday 10 September 2019

6:00-8:00pm

Light refreshments served afterwards

Mackay Christian College

9 Quarry Street

North Mackay QLD 4740

RSVP: Online, through Eventbrite

<https://flying-scientist-mackay.eventbrite.com.au>

Hear from Flying Scientist Dr Emma Gagen about how we can use microbes to remediate mine sites!

PLUS presentations from:

- Freckle Farm - Biodynamic Farming
- Mackay Sugar - Green projects and Cogeneration Energy
- Reef Catchments - Sustainable Environments
- MCC Ag Students - Sustainable Ag Department
- Young Science Ambassador - Jonathan Klaric



ADVANCE
QUEENSLAND



Queensland
Government

Flying Scientist is brought to you by Wonder of Science in partnership with the Office of the Queensland Chief Scientist, proudly supporting the Queensland Government's Advance Queensland Initiative.

Wild life in the Whitsundays- Masked Lapwing

Article by Jacquie Sheils & Elmer ten-Harken

There are some creatures that you see so often you just take them for granted; until they do something that grabs your attention. I was amused to have once observed a mother Masked Lapwing had chosen as the safest place to incubate her brood: right on the top of the old gravel starfish on the roundabout at the entrance to town. She may be onto something, as she surveyed the constant flow of trucks, cars, buses and people past this spot while they were totally oblivious to her presence. I worry a bit for the bird who was off the nest, trying to negotiate rush hour traffic to get home



A nice safe place to nest? This masked Lapwing thought so... PHOTO: E. ten-Haken

when it was time to change shifts!



*On the nest: close up
PHOTO: E. ten-Haken*

Masked Lapwings are ground-dwelling birds and are closely related to waders. They are white underneath, with brown wings and back and a black crown on their heads. Large yellow wattles cover their faces, and a thorny yellow defensive spur with a black tip projects from the wrist on each wing.

Two subspecies are found in Australia; the southern one has black on the hind neck and sides of the breast, and has smaller facial wattles. Our northern birds are smaller and lack the partial black collar, but have a much larger wattle, which covers most of the sides of the face. Both sexes look similar in both subspecies, although males tend to have larger spurs. Immature birds look similar to the adults, sometimes with darker backs and wing spurs and facial wattles which are either smaller or absent.

Masked Lapwings are found in Australia, Indonesia, New Guinea, New Caledonia and New Zealand. The New Zealand and New Caledonian populations were founded by birds which have flown there from Australia. They are common throughout northern, central and eastern Australia, normally living in marshes, mudflats, beaches and grasslands, but also making their homes in urban areas. Usually they are very wary, and seldom allow close approach, but when they become used to people nearby, they tolerate us, as long as we stay away from their chicks!

Masked Lapwings normally feed alone, in pairs or in small groups, targeting insects and their larvae, and earthworms. With a relatively short bill, they take their food from just below the surface of the ground and above the surface.

Breeding occurs whenever conditions are suitable. Both partners share the 'work' of building the nest, just a simple scrape in the ground, out in the open. Urban pairs often pick nest sites which are inconvenient to humans; sports fields, the roofs of buildings and apparently roundabouts. They lay up to 4 brown speckled eggs which they incubate for about 3 weeks. After that the chicks appear; downy blobs with long legs that can leave the nest and feed themselves just a few hours after hatching. Male and female birds share the incubation of the eggs and caring for the chicks.

Anyone who has met a breeding lapwing will know that it is not wise to intrude: loud clattering calls, dive bombing and direct body contact from the beak and spurs of an outraged parent is not forgotten in a hurry. They are particularly fierce after the chicks have hatched; no doubt this is how they still survive in a world full of lawnmowers, stray dogs, roaming cats and humans chasing balls around.



*Masked lapwing chick
PHOTO: Elmer ten Harken*

References:

<http://www.birdsinbackyards.net/species/Vanellus-miles>

What's Showing:

Common name: Macaranga

Scientific name: *Macaranga tanarius*

Family: Euphorbiaceae

Description: A large shrub or small tree with single or multiple trunks, growing to 6m, with a moderately dense spreading crown and light grey-brown bark.



Above: *Macaranga tanarius*

Photo: Christine Peterson



Macaranga leaf with the stem attached near the centre
PHOTO: D. Peplinkhouse

Leaves: egg shaped or heart shaped, tip long and tapering, large, dark green and shiny above and pale and hairy beneath, to 20cm x 15cm, peltate (shield-shaped, with the stem attached on the underside, near the centre of the leaf), with prominent veins radiating from the stalk. Leaves cluster at the ends of long, spreading branches. New growth may have reddish veins.



Macaranga flowers
PHOTO: D. Peplinkhouse

Flowers: Greenish-yellow male and female flowers borne on separate trees on clustered racemes. Male flowers are lightly perfumed and conspicuous, female flowers are smaller and harder to see. Usually in October to December.

Fruit: Female flowers are followed by 3 lobed, softly spiked capsules which contain several small, shiny, black sticky seeds.

Propagation: Propagate from fresh seed, with the black flesh removed, or from cuttings. This is an excellent pioneer species for riparian revegetation; group plantings suppress weeds and grasses and can be used as a barrier to protect plantings from weed invasion and fire. It will re-sprout from the base when burnt. A fast growing plant which needs ample moisture, good drainage and full sun, generates good shade and attracts birds.

Notes: This plant has many traditional uses: string was made from the inner bark, fish spears from the timber and the leaves used to wrap food for cooking. Gum from the bark produced a glue used for closing wounds, the leaves were used to make a dye, and also a contraceptive, and were fermented to make a drink.

This tree is found in lowland rainforests from north eastern Queensland to north eastern NSW. It also occurs in Africa and SE Asia and is a weed in Hawaii. In some locations it is farmed for woodchips for particle board. It is host to the Blue Moonbeam butterfly.

References

Across the Top, SGAP Townsville 2008

101 Trees of Mackay SGAP Mackay 1989

The Burdekin Delta Tree Guide, G. Calvert, Lower. Burdekin Landcare Inc. 2010

Plants of Tropical North Queensland, J. Beasley, Footloose Publications, 2006

INTERESTING WEB SITES:

Native Animals, Insects, Birds:

www.whitsundaylandcare.org.au

<http://www.wildlife.org.au/magazine/>

<http://www.aussiebee.com.au>

www.birdsinbackyards.net

www.australianmuseum.net.au/reptiles

<http://birdlife.org.au/locations/birdlife-mackay/activities-mac>

Native plants:

<http://ausgrass2.myspecies.info/content/oplismenus>

<https://www.anbg.gov.au/cpbr/cd-keys/rfk/>

http://www.canbr.gov.au/cpbr/cd-keys/RFK7/key/RFK7/Media/Html/index_rfk.htm

<http://sgaptownsville.org.au/>

www.facebook.com.au/sgapmackay

Wetlands

<http://wetlandinfo.ehp.qld.gov.au/wetlands/ecology/components/flora/mangroves/mangrove-moreton.html>

Feral Animals: feralflyer@invasiveanimals.com

<https://alumni.uq.edu.au/cane-toad-baits>

Feral plants:

www.weeds.org.au

www.environment.gov.au > Biodiversity > Invasive species > weeds

www.iewf.org/weedid/index_by_reserve.htm

www.anbg.gov.au/cpbr/herbarium/

<https://www.vision6.com.au/em/mail/view.php?id=1769275019&a=17056&k=a87f8df>

WCL Community Nursery– Always Needs Seeds

The WCL Nursery is very keen to source endemic seed so please keep an eye on your flowering native trees, shrubs & grasses for the volunteer nursery. Some of the species we need are:

Acacia– all local species

Archontophoenix alexandrae Alexander Palm

Aidia racemosa Archer Cherry

Aphananthe

Breytia oblongifolia Coffee Bush

Cajanus reticulatus Native Pigeon Pea

Calophyllum inophyllum Beauty leaf

Carallia brachiata Freshwater mangrove

Chionanthus ramiflorus Native Olive

Cordia subcordata Sea Trumpet

Corymbia clarksoniana

Corymbia intermedia Pink Bloodwood

Corymbia tessellaris Morton Bay Ash

Cryptocarya hypospodia Large leafed Laurel

Elaeocarpus grandis Blue Quandang

Eucalyptus crebra Narrow-leafed Ironbark

Eucalyptus exserta QLD Peppermint

Eucalyptus tereticornis QLD Blue Gum

Eucalyptus tessellaris Morton Bay Ash

Euroschinus falcatus Ribbonwood

Ganophyllum falcatum Scaly Ash

Lophostemon confertus Brush Box

Lophostemon grandiflorus Nthn Swamp Mahogany

Lysiphyllum hookeri Hookers Bauhinia

Melaleuca dealbata

Melaleuca leucadendra

Melicope elleryana

Memecylon pauciflorum var. *pauciflorum*

Micromelum minutum

Pandanus sp.

Ptychosperma elegans

Syzygium australe

Corkwood, Euodia

Native Lime Berry

Solitaire palm

River cherry

Guidelines for seed collecting:

- Only collect seed from your own property or with written permission
- Source plants must have grown from seed from the Whitsunday Region
- Collect ripe, mature seed & no more than 10% of the seed from any one plant
- Collect from several parts of the plant, mainly the middle & upper branches
- Use paper bags (not plastic) to store the seed & keep them in a cool place
- Label the bag with the species, location, date and your name. Not sure of your identification? Include a stem with some leaves & /or take a photo.

You can drop seed off at the nursery on Tuesday or Thursday mornings, or at Reef Catchments, 45 Main St Proserpine, or call 0408 187 944.

You can make a tax deductible donation to the Whitsunday Catchment Landcare Fund at any time. Just go to <http://www.givenow.com.au/whitsundaycatchmentlandcare> All donors will receive a receipt from Givenow at the time of the do-

If you would like to receive this e-newsletter please email coordinator@whitsundaylandcare.org.au with your request. Or you can phone Cath on mbl:0408-187-944 to request one.

Disclaimer: Information in this newsletter is offered as a guide only and while every care is taken to ensure its accuracy, Whitsunday Catchment Landcare does not invite reliance upon it, nor accept responsibility for any loss or damage caused by actions based on it.

Make a Donation



Using the secure engine of GiveNow.com.au



45 Main Street, Proserpine Qld 4800
 Phone: 0408 187 944
 Email: coordinator@whitsundaylandcare.org.au
 Chairperson: Graham Armstrong
 Coordinator: Cath Campbell

MEMBERSHIP NOMINATION FORM

Membership to WCL is currently free of charge and General meetings are usually held every 2 months.

Name of Applicant: _____

Address: _____

Phone: _____ Fax: _____

Email: _____

Name of Proxy: _____
Optional (separate nomination form to be completed)

MEMBERSHIP TYPE (Please specify)

- Ordinary Member *All persons who are approved of by the management committee, each of whom will have one vote.*
- Renewal Ordinary member renewal- **complete section above only.**
- Organisation Member *Stakeholder groups/associations, public/other incorporated bodies, local authorities etc, each of whom will have one representative with one vote. If you will be representing another organisation during WCL meetings please complete the lines below and have an authorised person from your organisation complete page 2.*
 Organisation/Agency Name: _____
 Role in Organisation/Agency (if applicable): _____
- Associate Member *Government departments/ agencies, and any persons who have the interests of the Association and furtherance of its objectives in mind but who shall not have voting rights.*

Please tick your choice below. If possible email is our preferred contact method.

I wish to receive the WCL newsletter via email post no newsletters required

I wish to receive meeting notices email post

Signed by Applicant:Date:

(OFFICE USE ONLY)

Name: _____
 (Proposer – existing member) (Seconder – existing member)

Signed: _____
 (Proposer) (Seconder)

Date: _____

- Please return to the WCL Coordinator at the above address.
- Membership is due June 30 each year

Thank You Everyone!

Thank you to so many of you who have generously and kindly donated your container refunds to WCL. To date we have had **\$ 228.00 donated**. Please find below our Containers for Change ID number to conveniently cut off and include in your bags. Your contributions are allocated to the WCL Public Fund which allows WCL to take on various projects for the ongoing education of our members and the wider community. Thank You again!

ID: C10053139

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