



Capricorn Coast
Landcare
Group

Envirolink Newsletter

December 2016, January 2017

Date Claimers

JANUARY

10th – 12th
17th – 19th

FLOW Centre - Connecting to Traditional Ways holiday program from 10-12 and 17-19 January. There'll be insights and hands on experiences with bushcraft, song, dance, language, and movie screenings. See flyer inside. Bookings are essential - email flow@fba.org.au

16th

Livingstone Draft Planning Scheme – public consultation period is open for comment until 16/01/2017. Click here [Livingstone Shire Council Planning Scheme](#) to view document and submit your feedback online.

COMING UP
IN FEBRUARY

Date TBC at Yeppoon Community Centre - an opportunity to learn more about **Transition Communities** and how the project might work here. For more info go to [YouTube Resilient Communities](#) and [Transition Communities](#)

2nd

World Wetlands Day

School's out!

I've just wrapped up another successful year with the Junior Landcare Programme in our local schools. My thanks to the terrific teachers in these schools and the delightful kids who get stuck in and learn and inspire us all with their energy and curiosity. A couple of photos of Junior Landcarers from Cawarral (top) and Yeppoon State Schools (bottom) are included.



Our various projects are progressing extremely well. The entrance area to the Envirotrail at Yeppoon State School has been revegetated and a lot of man hours have gone into this area (it will open in T1, 2017). The Envirotrail is such an interesting collection of mini-ecosystems (old pandanus, rainforest, vine thicket, open forest, creekline) – a terrific learning area for Yeppoon State School.



My thanks goes to our wonderful regular Landcare volunteers for their hard work: Dave Higgins, Barry Woollorton, Helen Hardstone, Janice Millhouse, Jeffery Hawks, Derek Maguire, and Tina Thorsen.

On behalf of Janet and myself, I would like to wish all our Landcare members and friends a happy and safe Christmas and prosperous New Year. The Envirolink office will be closed from Monday, 19 December to Monday, 9 January 2017.

~ *Alby Wooler*

President & Junior Landcare

Landcare news

Welcome...

Maureen McMartin who has kindly stepped into the role of CCLG Treasurer. We've had trouble filling this position since the retirement of Ross Healy. Maureen brings considerable admin/accounting experience to the role and we appreciate her willingness to take it on.



Our Landcare Christmas tree proves you can get creative when you recycle rubbish!



^ When it comes to rubbish clean-ups, Landcare volunteers are quiet achievers but they get results! Our recent Rubbish Rumble (as part of National Recycling Week) achieved a pickup total of 340kg. That's an enormous amount of rubbish collected BEFORE it gets to the Reef and onto our beaches. Makes a lot of sense?! Great effort for 5 volunteers in 2 hours during a heatwave... and a big thanks to newbie volunteers Greg and Laura. More clean-up opportunities next year.

Capricorn Coast Landcare and Envirolink office will be closed from Monday, 19 December to Monday, 9 January 2017.

**For urgent matters only:
0429 477 985**



Having fun and being big kids at the Yeppoon State School Junior Landcarer's breakup are teacher Judy Herold, and Landcare volunteers Barry, Alby, Janice (front), and Dave. Alby has coordinated this programme for nearly 20 years.



Photo source: www.australianplants.com

NATIVE PLANT OF THE MONTH

Hakea trineura by Malcolm Wells

Hakea trineura is an attractive, fast growing and hardy shrub or small tree. The plant produces yellow-green flowers in late winter or spring, and has green foliage with reddish new growth. It tolerates poor soils and extended dry periods once established, but does not like excessively wet soils. It will withstand moderate frost.

Hakea trineura's natural distribution area is restricted to the Marlborough and Rockhampton areas of CQ. It occurs naturally in open woodland, but prefers partial to deep shade. It grows to about two metres wide and three or four metres in height. Find more information at Australian plants website.

A FREE *Hakea trineura* will be available in January for all CCLG members. All our give-away 'Plants of the Month' are courtesy of Livingstone Community Nursery – thanks Nick!

The fascinating world of MINI BEASTS

Damsel Bugs – good guys!

I am stand-in mini beast writer this month. Rose is currently holidaying in Africa; her last Facebook photos were of her swimming on the edge of Victoria Falls! (Janet)

Following a query Alby and I had recently from the McCoys about thousands of tiny unknown swarming bugs proliferating their backyard shade house, we investigated. Our friends at Council identified the species as a Damsel Bug - *Nabis kingbergii* from the Nabidae family.

There are more than 500 species of damsel bug from 20 genera. They are most common from November to January, and sometimes into February and may be found in any vegie patch or crop (including weeds) infested with aphids, mirids, caterpillar eggs, moth larvae or mites; they are particularly voracious feeders of cabbage moth larvae.

These Nabids are generally regarded in the agricultural industry as beneficial bugs (unless of course, they are in swarm proportions in your green house!). Methods for use as bio-control agents are being developed, and they are already being released into plant species susceptible to cabbage moth at the seedling stage. They are able to get into parts of plants that sprays can't readily penetrate.

Females insert their eggs into soft plant tissue and hatching occurs 8-12 days later. Wingless nymphs form within 3-4 weeks and before flight they feed on plant sap (hence the McCoy's observations that they appeared to be sucking). Adults and nymphs are fast moving and strongly predatory with mouth parts that pierce and suck fluid from their food sources.

For more information click [here](#) or try *Pests of Field Crops and Pastures: identification and control* (Bailey, P.T. 2007, CSIRO Publishing) – this informative book is available through online google books at National Library of Australia.



Photo source: K. Power, www.daf.qld.gov.au



Photo source: Malcolm Wells

WEED IT OUT! by Malcolm Wells

Painted Spurge

Painted Spurge is in the same family as the favourite Xmas plant, the Poinsettia. It is a short-lived, upright, herbaceous plant that rarely reaches 1m in height. The common name derives from the red leaves that look as if they have been painted, and are often mistaken for petals. The flowers are small, green and clustered at the end of the stem.

This plant is a native of tropical North and Central America, the Caribbean and South America. It is widespread across Australia, and is quite common on the Queensland coast. The accompanying photo was taken on the dunes of Farnborough Beach where it is currently quite abundant.

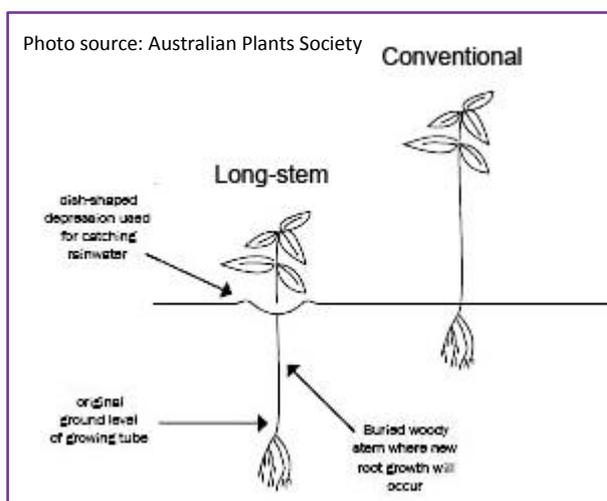
Painted Spurge is an annual herbaceous plant that is regarded as an environmental weed in Queensland and NSW. It can be treated by foliar spraying where it is safe to do so. However, in sensitive areas such as the dunes, and where it is growing amongst native species, alternative methods are then required. Hand pulling is the preferred method in such situations; or use the cut & paint method if removal is hard. This involves cutting the stem low and dabbing the stump with herbicide within ten seconds of the cut being made. Find more info [here](#).

TOP GARDENING TIP - long stem planting *By Malcolm Wells*

Whilst we are enduring another long hot, dry spell, it seems a good time to re-visit some good watering tips. Even with the high temperatures of late, I have seen numerous people with sprinklers watering their lawns during the day. The heat will evaporate a lot of the water, so try and do it early in the morning when it will be ten times more effective.

I also know people who like to give their shrubs and trees a watering every day or two. This can cause roots to spread out close to the surface, rather than heading down in search of water. It is a major reason why so many trees fall over in high winds, or when affected by flowing water. Better to give the plants a good drink less often to train the roots downwards.

As a bush regenerator in NSW, I met Bill Hicks from the Australian Plant Society. He developed a method called long stem planting, where seedlings are planted with a fair section of their stem under the soil. The roots are trained to go down, rather than forming the tight ball that one often finds in nursery plants. These plants defy everything we have been told about collar rot and other diseases, and I found they had a high survival rate. Not every species so far tested has been successful; it's suggested that if a plant strikes easily from cuttings, it could be successfully planted as long-stem seedlings. If you want to learn more about this method then follow the links below:



<http://www.environment.nsw.gov.au/resources/grants/Longstemguide.pdf>

http://www.kedronbrook.org.au/news_events/news_store/20110915_long-stem/20110915_long-stem.php

Allan Briggs (Birdlife Capricornia) reports things are quiet on the bird front at this time of year, so he has contributed an excellent article he wrote - a timely reminder about how important trees are to us.

The tree and me

We are seeing an unprecedented rate of tree clearing in urban and rural areas. Trees are cleared for firebreaks, along fence lines, for urban development, to 'improve' grazing pastures, along the sides of roads, for agricultural development, because they drop leaves and make the yard untidy and a variety of other reasons. Yet trees are a vital part of sustaining life on our planet. Here are some of the reasons why we need to keep as many of our trees as possible and plant many more to replace the ones we have lost.

Trees produce oxygen

Trees release oxygen into the atmosphere. One large tree can supply a day's supply of oxygen for four people.

Trees absorb carbon

Trees absorb carbon dioxide and potentially harmful gasses, such as sulphur dioxide and carbon monoxide from the air. This means that trees remove carbon from the air and store it in the trunk and branches making a considerable contribution to the reduction of climate change gases in the atmosphere. In one year, an acre of mature trees absorbs the amount of CO₂ produced when you drive your car 40,000 kms.

Trees provide habitat

Trees create an ecosystem to provide habitat and food for birds and other animals.

Trees conserve energy

Three **trees** placed strategically around a single-family home can cut summer air conditioning needs by up to 50 percent. By reducing the energy demand for cooling our houses, we reduce carbon dioxide and other pollution emissions from power plants.

Trees help prevent water pollution

Trees reduce runoff by breaking up rainfall thus allowing the water to flow down the trunk and into the earth below the tree. This prevents storm water from carrying pollutants to the ocean.

Trees help prevent soil erosion

On hillsides or stream slopes, **trees** slow runoff and hold soil in place.

Trees provide a relaxing environment

Studies have shown that having **trees** around a home produces health benefits due to a softening of the landscape and the musical song of birds that visit the trees.

Trees shield children from ultra-violet rays

Skin cancer is one of the most common forms of cancer in Queensland. **Trees** reduce UV-B exposure by about 50 percent, thus providing protection to children on school campuses and playgrounds - where children spend hours outdoors.

Felling and burning trees contributes to climate change

One large **tree** around 40 years old will release about 1 tonne of carbon dioxide into the atmosphere if felled and burnt. If allowed to grow it will absorb around 22 kilograms per year. .

Trees prevent soil salinity

The roots of a **tree** grow deep down into the earth to obtain moisture from the underground water table. This helps to keep the water table below ground. If **trees** are removed the water table can rise up to the surface bringing natural salts with it that kills vegetation and makes the soil unsuitable for agriculture.

Trees block things

Trees can mask concrete walls or parking lots, and unsightly views. They muffle sound from nearby streets and freeways, and create an eye-soothing canopy of green. **Trees** absorb dust and wind and reduce glare.

What would we do without trees?

Clearly **trees** are vital to life and provide services free of charge over many, sometimes hundreds, of years. Yet we see **trees** being cleared at an alarming rate in and around our urban environments as well as in rural areas. We need to look after our **trees** and put back as many of those that have been lost as possible.

What can I do?

Think before you fell a **tree** or clear an area. Is it really necessary? Is there an alternative? What are the consequences of clearing? Will it cause erosion? Do I need a permit? Check with the Department of Environment and Heritage Protection before you do any clearing otherwise you may be subject to a fine or legal proceedings. Contact them via the web site at <https://www.ehp.qld.gov.au/> or by telephone on 13 74 68.



birdlife
CAPRICORNIA

CONNECT TO TRADITIONAL WAYS

Dreamtime stories and language

Listen to the mysteries of nature as told for thousands of years. Learn Aboriginal language and sing along songs, then test your knowledge in our tribal challenge.

Tue 10 Jan & Thu 12 Jan | 11am-12pm | Presented by Aunty Nicky - Darumbal Enterprises

Movie Screening - Toonooba Voices

Discover through this 30 minute movie, the history and connection between our local Aboriginal and Torres Strait Islander people and the land that we share. What did it mean in the past if you were stuck on the wrong side of the river after 5pm?

Tue 10 Jan | 2-2:30pm & Thu 19 Jan | 11-11:30am

Malgadi - Dance and music

Experience the emotion and symbolism of Aboriginal dance and enjoy the sounds of the didgeridoo. Appreciate traditional face painting and maybe even try out some yourself.

Wed 11 Jan | 11am-12pm | Presented by Kristina Hatfield and Goodedulla Dancers - Darumbal Enterprises

Weaving together

Examine traditionally woven objects and discover their uses. Learn and practice the art of weaving and see what you can create with your own hands.

Wed 11 Jan | 2-3pm | Presented by Kristina Hatfield - Darumbal Enterprises

How good are your survival skills? Minecraft or bush craft?

Have you knapped flint? Trapped a rat or touched dragon glass? Helved an axe? Started a fire with sticks? If your answer is no to any of these, then book in and learn how to save your hide in the wild.

Tue 17 Jan | 11am-12pm & 2-3pm | Presented by Malachi Conway - Rocky Instincts

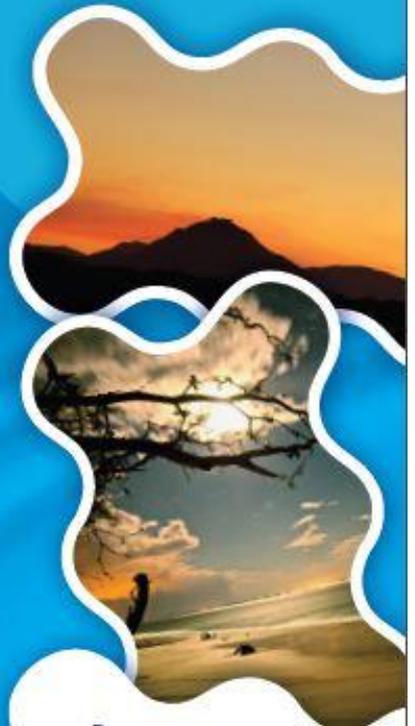
VISIT AND EXPLORE FLOW

Displays 10am - 3pm from 10 - 19 Jan (Tuesday to Thursday)

Aboriginal artifacts (thanks to Darumbal Enterprises and Rocky Instincts)
Explore our Culture Videos, and check out our numerous existing displays.

BOOKINGS ESSENTIAL

Email flow@fba.org.au to register your interest. Please include your name, contact number and the number of children who will be accompanying you and their ages. Unless you email before Monday 19 December, bookings will be confirmed prior to the event when FLOW reopens on Wednesday 4 January.



Bookings essential!
Please view the
information at the
bottom of this page to
book.





Capricorn Coast Landcare Group Inc.

ABN: 48 170 539 519

Landcare – a partnership between the environment and sustainable production



General meetings are held on the 1st Tuesday of every second month at 7.30 pm at the EnviroLink Centre, 3 / 78 John Street, Yeppoon. All memberships are due for renewal at the October AGM (one (1) vote per membership).

Your email will be automatically added to our EnviroLink Newsletter and CCLG membership mailing lists.
Please tick this box if you do not wish to receive them.

<input type="checkbox"/> New member	<input type="checkbox"/> Renew / Update details	
MEMBER CONTACT DETAILS		
Name:		
Address:		
City:	State:	Post Code:
Home Phone:	Work Phone:	Mobile:
Email:		
SIGNATURE		
<i>I support the goals, values and activities of Capricorn Coast Landcare Group Inc.</i>		
Signature of applicant:	Date:	

PAYMENT METHOD		
<input type="checkbox"/> Single Membership is \$5.00 GST included.	<input type="checkbox"/> Family Membership is \$10.00 GST included	
<input type="checkbox"/> Group Membership is \$22.00 GST included.	<input type="checkbox"/> Business Membership is \$55.00 GST included	
<input type="checkbox"/> Cash	<input type="checkbox"/> Cheque	<input type="checkbox"/> EFT
Electronic Transfer Reference Number :		
Bank details for on-line payments: BSB 064 712 A/C 10018138 Account Name: Capricorn Coast Landcare Group Inc. * Reference deposit with your first initial & surname.		

Please return to:

Capricorn Coast Landcare Group Inc.
PO Box 727, YEPPOON, QLD, 4703
Phone: (07) 4939 1002 Fax: (07) 4939 1668 Email: envirolink@cqnet.com.au

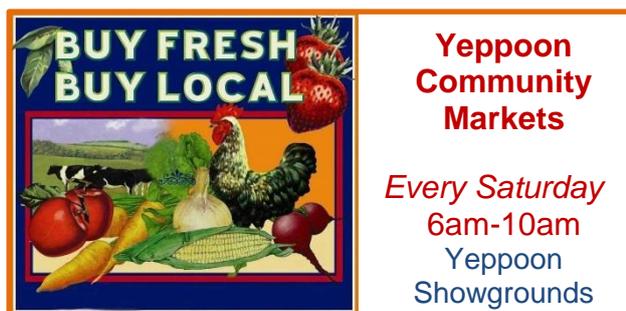
OFFICE USE ONLY			
Date Received	/ /	Email database	
Receipt Number		EnviroLink Newsletter	
		Membership List	

THANKYOU TO OUR BUSINESS SPONSORS!!!



Life...Let us help you Live it!

Shop25, Keppel Bay Plaza, Yeppoon



178 Kinka Beach Road, Tanby Q 4703
Open Mon-Sun Ph 07 4939 7200

**Will your business be the next
to feature here?**

Call us on 4939 1002 to
find out how 😊

FREE FIREWOOD!

Pick Up only – central Yeppoon.

Call Kathryn on 0438 134 375 to arrange.

Capricorn Coast Landcare Group and the Envirolink Centre are supported by...



QWaLC
QUEENSLAND WATER & LAND CARERS

