

Permaculture Cairns Inc. Established July, 2007

Web site: www.permaculturecairns.org.au

Permaculture Cairns News

Empowering communities with sustainable solutions

Care for the Earth, Care for people, Share the excess



Care of the Earth, Care of

People. Share the excess

July Public Info & General Meeting Night

Tuesday 16th 6:30pm for 7pm start.

Flexible Learning Centre, 90 Clarke Street, Manunda

Clarke Street comes off Hoare on the Salvos Corner. There is wheel chair access.

If you can spare the time, come early (6.15) to help us set up tables and chairs.

Members please bring a plate of food to share for dinner, or make a small donation towards the refreshment costs.

OOH! and bring a friend, all welcome but !

Financial Members are free but un- financial members and non members pay \$5 for the info night and dinner

Guest speaker:

Svargo Freitag is a Director of The Kanjini Co-op Vision he will be giving us a glimpse into the Co-ops' plans of creating a community on 7500 acres of land close to the Emerald Creek Falls near Mareeba. Their Mission is to live harmoniously as a mutually supportive and diverse community.

To create abundance while being sensitive to sustainability and our ecological footprint.

By moving from "this land is my land" to "We are one with the land", from private ownership to sharing, we develop a cooperative system of shared custodianship.

LAST MONTHS GUEST SPEAKER

Last Month Guest Speaker was Daryl Killin, Director of Select Carbon Pty Ltd., Daryl explained what his company was doing in the Carbon Storage area and told us about their Native Conifer Carbon Sink Project, which is Australia's first carbon sink project approved under the Permanent Environmental Plantings approved methodology of the Carbon Farming Initiative. He also informed us of their new venture into making Biochar starting with the pines trees trashed by cyclone Larry and Yasi near Cardwell. As the plant is transportable it can be used wherever it is required. The company have purchased a new transportable container kiln suitable for making biochar. Daryl has a small amount of Biochar for sale at the moment from a trial firing at Yungaburra. It sells for \$25 for 5 litres. For more info check out their website at www.selectcarbon.com

The 12 Principles of Permaculture as written by David Holmgren.

Principle 7. Design from patterns to details “Can’t see the forest for the trees”

By stepping back, we can observe patterns in nature and society. These can form the backbone of our designs, with the details filled in as we go.

If you would like to know more about David Holmgren’s Principles and Practices of Permaculture see them at <http://permacultureprinciples.com>

News from the Management Committee

Tegan and Jaide will represent Permaculture Cairns at the Sustainable Living Expo on the 14th July at Fogarty Park, 12 – 5pm come talk to them and see their wares, Tegan’s Wicking edible garden beds with lots of lush plants to eat and Jaide’s King Brown Compost from her Mareeba worksite. Check out Tegan on Facebook and Jaide on www.kingbrowntech.com.au

Permaculture Cairns is now a member of Lets so we can accept 50% Bartles and 50% Cash for workshop fees for the SKILLING WORKSHOPS SERIES.

We cannot accept Bartles for memberships fees.

For those that don’t know what Bartles are, then you need to join LETS a local energy transfer system which keeps the energy and money within the local area. Once you have joined Lets you can trade with others in LETS for goods and services with no money changing hands or part money and part Bartels.

Permaculture Cairns members have the opportunity to access the Permaculture yahoo group when they join. Robert will contact you to see if you are agreeable to receive emails from the yahoo group. The group has a forum for questions and info.

Tegan, Bruce and Leon are the organisers for the Monthly Meetings if you have something to add to the meetings please speak with one of these great people.

THE SKILLING WORKSHOP SERIES

The Wicking Bed workshop on the Saturday the 6th went well with 10 people putting together a wicking bed to take home for planting up. Len and Wendy did a great job of explaining the system and how it works, it will certainly save water and a lot of worry if you can't get home to water the plants every day. Although this workshop was only for a small bed, the actual design can be incorporated into any container with a hole for drainage or in the ground if the site is sloping and allows for drainage of excess water.

For morning tea Wendy made this extraordinary Banana cake and we all wanted the recipe, so here it is.

Banana Cake

125 g softened butter
1 ½ cups castor sugar
2 eggs beaten
1 cup (approx 3) mashed bananas
A few drops vanilla
250 g plain flour
1 tsp bicarbonate soda
½ tsp salt
½ tsp ground cinnamon
½ tsp ground allspice
½ cup butter or ½ cup milk with 1 tsp lemon juice

Butter and flour a 20cm cake tin then line base with baking or brown paper. Preheat oven to 180 F

Cream butter and sugar until pale and fluffy. Beat in eggs, banana and vanilla.

Sift dry ingredients and add to mixture, alternating with buttermilk.

Spoon into tin and bake for 45 minutes or until cake test clean.

Lemon syrup

Juice of one lemon

150g castor sugar

Dissolve sugar

Spoon syrup over hot cake while it is still in the cake tin.

Cool cake in its tin on a wire rack for a few minutes before turning out.

Cool completely before cutting or storing in an airtight tin.

Skilling workshop for August

Expressions of interest sort to attend a workshop on Tropical Vegetables and how to use them in early August.

Please let us know if you would like to attend such a workshop, it would be three hours on a Saturday morning.

To register your interest email-
workshops@permaculturecairns.org.au

News Items of interest

From CSIRO on compost

Additions of a fine textured soil to compost (1 – 20%) has shown to reduce nutrient leaching in a sandy soil. Leaching of nutrients from compost can reduce the benefits of compost to soils and plants. Mixing of fine-textured soil reduced leaching of Nitrogen and Phosphorus from compost.

From DAFF, Cairns, on Fruit Fly in the Tropics

Fruit flies (Family Tephritidae)

Prepared by Jane Royer, Entomologist, QLD DAFF, Cairns.

Fruit flies that infest sound fruit and vegetables in your garden are in family Tephritidae and look like small wasps. They are different from the much smaller 'fruit flies' or 'vinegar flies' which are in family Drosophilidae that hang around compost bins or old fruit. Tephritids are about 6mm long, whereas Drosophila flies are only about 2-3mm long.

Pest fruit flies in North Queensland

Queensland fruit fly (*Bactrocera tryoni*): Infests over 100 different fruit and vegetables so is the most likely culprit if anything in your garden is getting stung/ infested with maggots.

Control: Cue-lure traps which attract the males. Protein lure traps can also be used and attract mostly females but are less attractive (see Lures & products next page).



Queensland fruit fly

Banana fruit fly (*Bactrocera musae*): This species only really infests bananas. It can sting them when they're still green.

Control: Banana fruit fly males respond to methyl eugenol and unfortunately there are no commercially sold products containing this. As this species only infests one fruit type the best non-chemical management is to bag your fruit to exclude the flies.



Banana fruit fly (image SPC)

Cucumber fruit fly (*Bactrocera cucumis*): This species mainly infests cucurbits, but will also infest guava bean, tomato, papaw and passionfruit. It does not respond to cue-lure or methyl eugenol.

The cucumber lure trapping trial which ran in early 2013 at some households in Cairns was testing a new lure developed in Hawaii that is based on volatile odours from cucumber. It is a 'host volatile lure'. Such lures only attract from a short distance of about 20 metres, compared to the male lures which can attract flies from up to several hundred metres. This lure isn't commercially available in Australia yet and is still being trialed.

Control: Bagging fruit or using a protein fruit fly lure.



Cucumber fruit fly

Lures and products for fruit fly control

Male fruit fly lures: Most fruit fly species respond to one of two male lures: cue- lure or methyl eugenol. A fruit fly species will only respond to one or the other, not both. Some species won't respond to either of these lures.

Although it's the female that 'stings' the fruit (lays her eggs in the fruit with her ovipositor) and causes the damage, by trapping the males the females find it harder to find a male to mate with. If they can't mate they can't lay eggs into the fruit. Therefore trapping the males will reduce the damage in your fruit.

Cue lure.

Products containing this lure that can be purchased at garden shops and hardware stores and include Dakpots or Wild May Fruit Fly Trap Attractant or Eco Naturalure Fruit Fly Trap (note this is different from the Eco Naturalure Fruit Fly Bait Concentrate). These products won't actually say they contain cue-lure but will mention the chemical name which should look something like: **4-(p-acetoxyphenyl)-2-butanone** (chemical names can be written in several different ways to describe the same chemical so it may not be exactly this). Basically if it contains a chemical name and says it attracts Queensland fruit fly then it should be cue-lure.

There are a few other pest species that infest dozens of different fruit and vegetables that also respond to cue-lure (lesser Queensland fruit fly, mango fruit fly), so using a product with cue-lure in your garden is a good start for fruit fly control.

Methyl eugenol

The only pest species in Australia that this male lure attracts is the banana fruit fly. It can't be purchased commercially. However as banana fruit fly is only a problem for bananas, bagging fruit can be used to prevent flies stinging the fruit.

This lure also attracts the 'Asian papaya fruit fly' that invaded north Queensland in the late 1990s and was eradicated. The Queensland & Federal Departments of Agriculture Fisheries and Forestry (QDAFF was formerly DPI) still monitor for it throughout Queensland to make sure it hasn't invaded again.

Protein lures

Protein lures mostly attract females and are attractive to any species of fruit fly so are a good option for fruit flies that don't respond to cue-lure or methyl eugenol. Immature females need to feed on protein to be able to develop their eggs, so are attracted to things that contain protein or ammonia (which proteins such as bacteria give off). By killing the females you are directly controlling the damaging sex.

Products available include Eco Naturalure Fruit Fly Bait Concentrate, or you can make your own trap by using a plastic drink bottle with a hole cut in the side with a solution of vegemite & water or beer.

More information can be found at:

http://www.daff.qld.gov.au/26_17800.htm

http://www.daff.qld.gov.au/26_17828.htm

And while we are on insects.....

I found a fact sheet from the Eliminate Dengue Program and thought to share this information about the Aedes aegypti mosquito with you.

Preferred habitat:

This species is found in and around the home, often in dark sheltered areas. It lays its eggs at the edge of containers filled with fresh water. Common sites include pot plant bases, old tyres, buckets, gutters, fallen palm fronds and occasionally bromeliads. They do not live or breed in swamps, creeks, rivers or puddles. Adults will only travel usually 50 -200 meters from their breeding site.

Bites:

Aedes aegypti bites during the day, usually indoors, and feeds almost exclusively on humans. It is responsible for transmitting the dengue virus.

From CAIRNS REGIONAL COUNCIL

Green Thumb Program - Sustainable living for the tropics

An interactive website has been set up to enable community members to comment on forum topics and ask specific questions about their own sustainable living issues and solutions

As an added incentive to participate, everyone who registers on the website automatically goes into the draw to win \$2000 worth of sustainable living products for their home, such as an energy efficient fridge, a water efficient washing machine or even a new bike. Access? just google "Cairns Green Thumb" and follow the links.

Date claimers

Sustainable Living Expo 14th July

It's time again for the Sustainable Living Expo 12 - 5 pm July 14th at Fogarty Park on the Esplanade. This is always a fantastic event music, dance, demos, exhibits, local eco businesses and more. See you there.

Hempcrete Information Evening: CAIRNS 15th July

ALL WELCOME

Building with Hempcrete Presentation by Johan Tijssen

PLUS

Australian premiere screening of movie:

'Bringing it Home' - A documentary about industrial hemp, healthy houses and a greener future

When: Monday 15 July 2013

Time: 5pm for 5:30pm start. Movie from 7-8pm

Where: Tropical Nth QLD Tafe, Cairns QLD

Movie cost: \$5 con/ \$10 adult

HEMPCRETE has no equal as a natural building product sequestering carbon dioxide for the life of the building. By combining water, hemp aggregate and lime-based binder to produce excellent thermal insulating and acoustic properties, hempcrete is not just an insulator - it buffers temperature and humidity, prevents damp and mould growth, making inside the building a comfortable healthy environment. It is fire

and termite resistant, lightweight and forms a hard wall surface yet is vapour permeable to help reduce humidity and prevent condensation - a truly amazing natural product.

People that live in hempcrete houses do not need to run airconditioners or heaters all day to keep a comfortable home. Regular insulation requires constant energy input - hempcrete doesn't. The way energy costs are rising, that's a massive yearly cost saving through power conservation. At the same time, less energy use, less pollution AND carbon sequestration by hempcrete - your project could be carbon-neutral, even carbon negative with hempcrete.

Biodynamics FNO

Biodynamics Basics day at Ravenshoe. 21st July

Learn the basic principles of diodynamics. Compost building, preparing preps, and much more at the home of Lisa Prince in Ravenshoe. More info call Wayne 0427 551 887

LETS July Calendar

Tuesday 16th - Doors open 7pm for a 7.30pm start. Movies that Matter – The Money Fix - Film Night at The Closet Hippy shop in Malanda. Refreshments available to purchase (please support our hosts), bring a small plate of healthful finger food to share if you wish during the film. Entry by donation of \$/B. Phone The Closet Hippy shop - 04 3864 2498. This film documents three types of alternative money systems, all of which help solve economic problems for the communities in which they operate.

Saturday 20th – 10am Kuranda Trade Day at Original Markets just near the Real Food Network & 100% Bartles LETS Shop! Lots of handmade products, an abundance of healthy fresh food, live music & fantastic company! Children welcome! Contact Twiggy – 0439 768 264. Kuranda Market Day.

Sunday 21st –12-3pm – Herberton Lunch and Trade Afternoon at Leeandra's place, 28 Perkins Street.

Please bring lunch to share! Children welcome. Contact leeandranorman@gmail.com or 048861175. Wondecla Market Day – head straight over after the markets!

Sunday 21st – 11am-3pm - Cassowary Coast Trade & Social Gathering at Johnstone River Community Garden, 19 Flying Fish Point Road. Bring a plate to share, something to cook on the BBQ if you wish, your own plate and eating utensils. Lunch will be at 12 noon. Tea/Coffee by gold coin donation. A child-friendly venue. Contact Suari - 0403115261. Car pooling/collection service encouraged from the Tablelands and Cairns!

Thursday 25th – 6-8pm Trade Evening at The Octupi Garden Sanctuary, 78 Grigg Street,

Ravenshoe (the lil blue shop). LET'S gather to share some food, trade our services, skills and wares. Children welcome! Please bring a plate. Contact Hayley 0416 528 177 or hayleybuchanan8@hotmail.com.

Saturday 27th – 12-2pm - Yungaburra Trade Afternoon and Picnic Lunch in the Rotunda in Maude Kehoe Park. Bring a picnic rug or chair, lunch and drinks! Trading Record Sheet and pen, any goods you wish to trade, promotional material of any services you are offering if applicable. Children most welcome. This event is directly after the Yungaburra Markets, across the road, and it is right near the playground and toilets. Because it's market day, there's usually excellent live music playing for us from the verandah of the pub across the street! Great atmosphere. Contact Melitta – 0437216122.

Sunday 28th 10am-1pm - An Integrated approach to your health with Kristina (Certified Personal Trainer). This Healthy Living workshop will be held at The Closet Hippy Shop in Malanda and takes an integrated approach to weight loss & health improvement by looking at the physical, mental and spiritual aspects that are creating barriers in your ability to be healthy. Investment of 50B, morning tea included. Bookings essential - theclosethippy@gmail.com or 0438 6424 98.

Sunday 28th – 1pm - Millaa Millaa LETS at De Millaa's Coffee Shop, 8 Main Street. Come for lunch or a coffee to this social get together for locals to meet & discuss future trade possibilities for Millaa and surrounding areas. Bring a smile, a friend, and your ideas for how we can support each other and build the LETS network here. Contact kate.martignier@gmail.com or 0429 925 246 for more information.

What to bring to Trade Events where not specified above: food & drinks for yourself or to share, or money and/or Bartles at some venues, friends, Trading Record Sheet and pen, any goods you wish to trade, table/rug to display them upon is often useful, your own chair at some venues, promotional material of any services you are offering if applicable, \$20 to join LETS if you are not yet a member.

tablelandlets@gmail.com - 4096 6972 - lets.clearwater.com.au - www.communityexchange.net.au

Trade in Bartles with over 460 households and businesses across FNQ
Use the online noticeboard for trading at Community Exchange
Attend trade events, film nights and workshops and other LETS events
Connect with a huge network of LETS Users

Would you like to host a regular or one-off Trade or other LETS event? Contact us!
tablelandlets@gmail.com - 4096 6972 - lets.clearwater.com.au

www.communityexchange.net.au

Regenag upcoming courses in August 2013

Allan Savory 2013 Tour

Join Allan Savory, founder of Holistic management, for an evening talk or intensive seminar on how we can reverse desertification, heal landscapes, empower communities and reverse climate change.

August 14 and 15 in Brisbane,

August 16 and 17 in Sydney,

August 17 and 18 Melbourne

For details, check it out at: <http://regenag.com>

Permaculture Design Course in Rossville

30 Sept - 13 Oct 2013 at Ghost Gum Farm

LATE NEWS:- Important Message from Scott regarding the upcoming PDC at Ghost Gum Farm, Rossville, they are offering a group discount for Permaculture Cairns members who would like to take part in the PDC. The offer is one free place for four paying places, and three free places for seven paying places.

DESIGNING A SIMPLER, MORE CONNECTED LIFE WITH PERMACULTURE

Ghost Gum Farm and Sustainability Alliance FNQ is hosting a Permaculture Design Course at Rossville (near Cooktown) from September 30 to October 13 2013.

The 14 day course run by Rick Coleman from the Southern Cross Permaculture Institute, will start the day after Wallaby Creek Festival finishes – www.wallabycreekfestival.org.au

Choosing to do a Permaculture Design Course (PDC), is a big commitment that we take very seriously; offering a high quality and memorable experience. This will be our first PDC here and we look forward to you sharing this with us.

This course will give you holistic decision-m solutions for food, water and energy security; regenerative shelter; building social capital; developing a sustainable economy, renewing local communities on all scales, and many other needs. It will allow you to find solutions to the challenges presented by life in a post-industrial, debt and consumption based society, particularly understanding why there are rising living costs and how we, as individuals and communities, can evolve with it.

Permaculture uses ecological principles to design sustainable human communities that are harmoniously woven into the environment and that aim to have the diversity, stability, and resilience of natural ecosystems. It offers a framework for critical decision-making and right livelihood.

The permaculture design course teaches whole-systems thinking. What does that mean? Most of the time we're taught to think in terms of things: the parts and pieces that make up our world. This approach allows us to exclude supposed "externalities" like pollution, social disunity and other 'side effects', which often come back to haunt us later on. Systems thinking focuses on the relationships among the parts, the features that emerge from these relationships (often unexpectedly, just as suburban sprawl emerged from transportation improvements), and how the parts come together to make up greater wholes.

Systems thinking is the key to sustainable living. This certificate course will introduce you to strategies and tools for designing and living in landscapes, homes, businesses, and communities that are regenerative – that is, that go beyond not just depleting resources and the human spirit, but renewing and invigorating them.

In this course you will meet people concerned about the same things you are, and be inspired by them, and in many cases, form new collaborative relationships with them. Many people find Permaculture Design Courses to be one of the most transformative experiences of their lives. We hope you do as well.

A detailed understanding of Rick's Permaculture philosophy and background can be found here:
<http://www.aidreview.gov.au/publications/sub-coleman.pdf>

You can find out more about Rick Coleman and his previous Permaculture Design Courses at:
Website: <http://www.southerncrosspermaculture.com.au/welcome/>

Facebook: <http://www.facebook.com/SouthernCrossPermaculture>

Youtube: <http://www.youtube.com/user/SustainabilitySolved?feature=watch>

There will also be special guest speakers throughout the course and farm tours.

Topics Covered: ✱ Origins, Development, Ethics & Principles of Permaculture

✱ Energy Diversification; Production and Use – Static and Transportation

✱ Basics of Ecology & Proven Knowledge on Climate, Water, Soils and Trees

✱ Alternative and Complimentary; Formal and Informal Trade and Finance

✱ Aquaculture & Appropriate Design and Technology

✱ Pattern Literacy and Understanding

✱ Energy Efficient Housing, Natural Building/Vernacular Architecture & Eco Village Design

✱ Designing for Different Climatic Zones & Disaster Mitigation Strategies

✱ Food Production Systems from an Urban to Rural Scale & Animal Integration

✱ Bioregional & Local Strategies for Community Resilience and Capacity Building

✱ Design Methods & Tools for Creative Design and Process

..... and much much more

Costs & Accommodation: The course fee of \$1500 (early bird price \$1200 before July 1) includes handouts, all meals and camping. There are no other expenses. Sponsorship Packages through SAFNQ, social benefit discounts, LETS community currency part payments, work in exchange, and pension card holder rates are offered for this PDC. Offers are limited. Contact us to book.

You will be required to bring a tent, bedding, personal items, toiletries, any specific dietary requirements, and pen/paper. Mobile phone/broadband reception is available after a 10 minute walk. Please bring with you any resources you want to share with others in the course, including dvds, as there may be film screenings.

Please Note – Places are limited to 25 participants, so to avoid disappointment secure your place on the course with a \$300 (non-refundable) deposit. Please email for bank deposit details.

This is a child friendly event with earth friendly activities organised for our children.

For more information about the course please contact Scott, SAFNQ PDC Community Project Manager, at Ghost Gum Farm. We look forward to sharing this experience with you.

For more information please contact Scott White, PDC Community Project Manager Sustainability Alliance FNQ Email: courses@ghostgumfarm.com.au ☎ 07 4015 2339

<http://www.ghostgumfarm.com.au/> <http://www.sustainfnq.org/>

What permaculturists are doing is the most important activity that any group is doing on the planet. We know what details of a truly sustainable future are to be like, but we need options, we need people experimenting in all kinds of ways and permaculturists are one of the critical gangs that are doing that”

INTERNATIONAL PERMACULTURE CONVERGENCE

CUBA November - December 2013

A Permaculture Design Course facilitated by internationally renowned teachers:
Ron berezan (CA), Brock Dolman (USA), Paulo Mellet (UK), Eric Toensmeier (USA) and Cuba's own Roberto Perez Rivero.

More Info - Web Site: <http://ipc11cuba.com>

Bean Fly!!!!!!!

Are you having a problem growing beans because of bean fly? Jackie French, in her book *Natural Control of Garden Pests*, says the best Bean Fly control is a compost rich soil. Beans in soil lacking in potash are particularly susceptible to bean fly attack. She also suggests you encourage birds into your garden. A bird bath will do that, but be sure to renew the water every couple of days to avoid *Aedes aegypti* mosquito from breeding.

PERMACULTURE MEMBERS CLASSIFIED ADVERTISEMENT SECTION

RESOURCES:

Moringa Tree cuttings for sale at \$2 each. (I charge for these as I paid someone to cut the tree down.) Available at meetings or ring 0414 900 717 Also lots of Arrowroot for planting and eating.

“Notes from the Workshops” All notes from the PC Resilient Communities Workshops are now available for purchase at the cost of only \$10. This is a very informative booklet, with lots of info on organic gardening, earthworms, microgreens, wicking beds, aquaponics, tropical plants and some recipes for cooking these and much more, definitely worth having. Available at meetings and events.

Veggie Village DVD – a great little DVD with lots of practical info for those wanting to start a garden, worm farm, composting etc. only \$10 – available at meetings and events.

“Gardening in the Tropics” by Yvonne Cunningham’s for sale at meetings \$28

SERVICES: Bruce Zell, director of The Back Yard Revolution is a Permaculture diploma graduate, Licensed Structural Landscaper and has extensive experience in landscaping, food garden design and implementation, project management and more. Contact Bruce for more details email: brucezell@gmail.com, www.backyardrevolution.com.au or Mob. 0404 9944 528

SHARING: If you have lots of something – then bring it along to the meeting and share it around.

Memberships are now WAY WAY WAY OVERDUE!!!!!!

All memberships become due and payable on the 31st December each year. These fees help us to keep things rolling, for example, public liability insurance, stationery, equipment, garden club subscription, bank fees etc – only \$20 for Singles and \$30 for Households, unchanged since 2007.

AND our INSURANCE only covers people for FOUR visits to our meetings so if you have been to four meetings and have not become a financial member and intend to attend meetings you need to cover yourself and Permaculture Cairns by signing up as soon as possible.

You can pay at meetings, online to Permaculture Cairns Bank Account: BSB 704-966 A/c. 100009440 with your Surname as reference, or by Mail to PO Box 6535, Cairns, 4870.

Membership form coming up.....



Permaculture Cairns Membership Form

One year's membership fee - 1 Jan - 31 Dec:

Household membership \$30 ☐

Individual membership \$20 ☐

Name(s) of all applicant(s) & DOB if under 18yrs:

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.....
.....

Postal Address:

Postcode:

Phone(s):

Email:

Signature:

Payment may be made at Meetings, by Post to P.O. Box 6535 Cairns

Online Direct Deposit - Permaculture Cairns Account at Cairns Penny Bank in Grafton

Street. BSB 704-966 Account No. 100009440 please include your Surname as reference.

Office Paid ☐ Cash Date received Paid up to
Use only \$ _____.00 ☐ Cheque ____ / ____ / ____ Dec 20____
✂



Permaculture Cairns Public Meeting All Welcome

Third Tuesday of every month (except January). Doors open 6.30pm,
meeting starts at 7pm at: Flexible Learning Centre, 90-92 Clarke St.
(off Hoare St), Manunda

Enquiries

President: Carol Laing carollaing@hotmail.com
Secretary: Tegan McBride tegan.mcbride@hotmail.com
Treasurer: Lania Lynch lania.lynch@jcu.edu.au

Website: www.permaculturecairns.org.au