


Moggill Creek Catchment Group

Annual General Meeting



Tuesday 22 November 2022

Ciaran Turnbull



Welcome and Acknowledgement of Country

Sandy Pollock
MCCG Chairperson



Aislin Kelly-Crawford

Acknowledgement of Country

The Moggill Creek Catchment Group acknowledges the Turrbal people and Jagera people as the traditional custodians of the land of the Moggill Creek Catchment and surrounds.

We pay our respects to elders past, present and emerging and to their continuing cultural and spiritual connection to land, waterways, sea and sky.

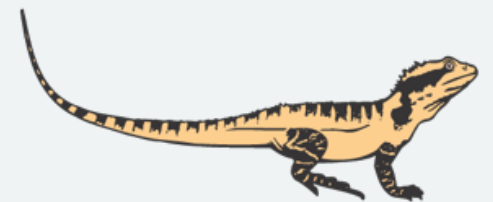
Image: Chris Bruton

Apologies

- Elizabeth Watson-Brown MP, Member for Ryan
- Cr Greg Adermann, Councillor for Pullenvale Ward , BCC
- Wesley DeMuth, Creek Catchments, Community Conservation Partnerships Officer, BCC

Special Guests

- Dr Christian A. C. Rowan MP, State Member for Moggill, Shadow Minister for Education, Shadow Minister for the Arts
- Dr Trevor Lambkin, President of the Butterfly and Other Invertebrates Club

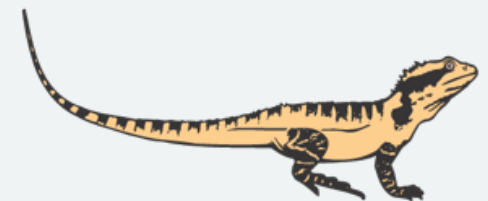


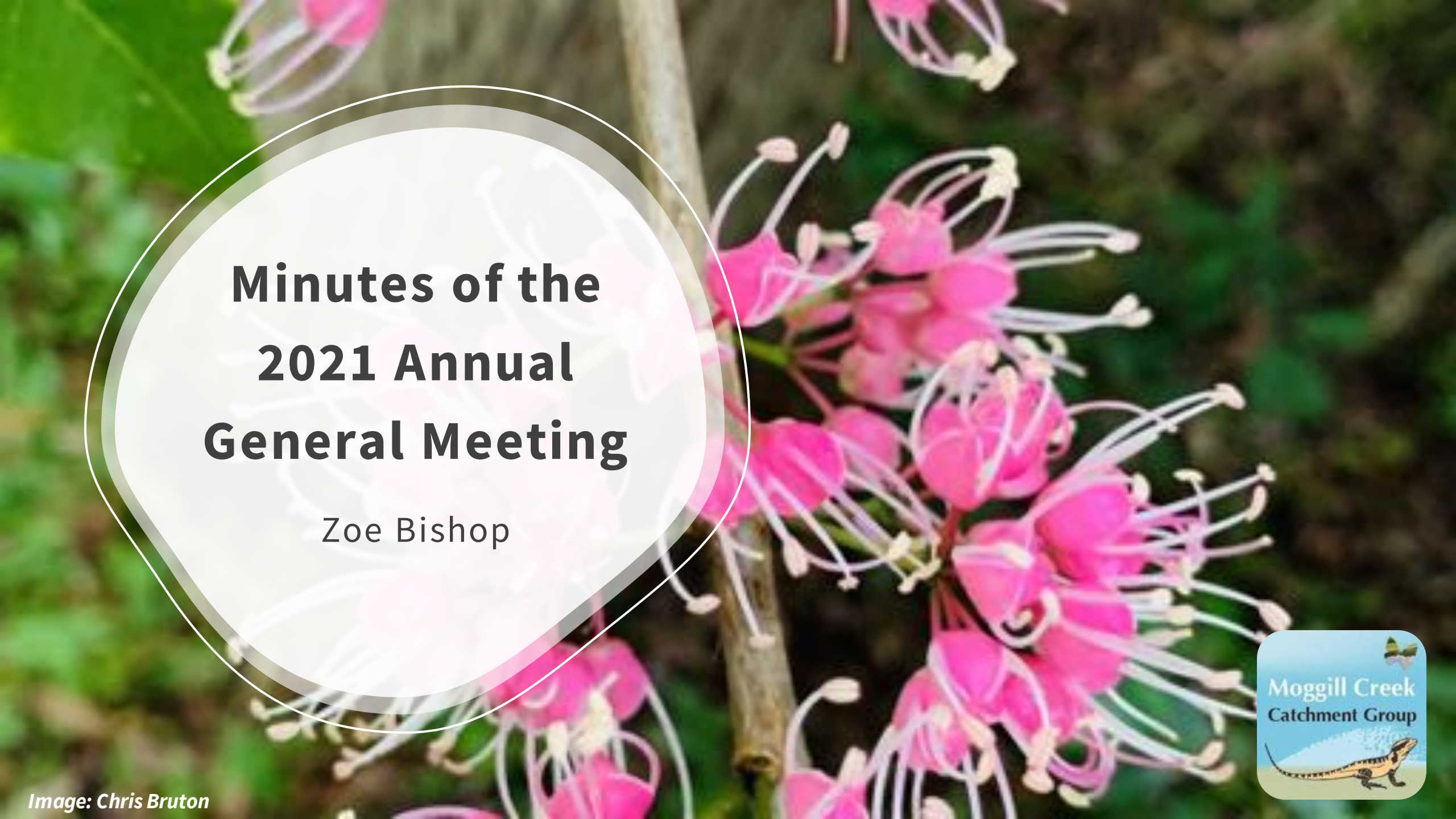
Agenda

- Minutes of the 2021 Annual General Meeting
- Chairperson's Annual Report
- Public Liability & Accident Insurance
- Treasurer's Financial Report
- Election of the 2023 Committee – Dr Christian A. C. Rowan MP (temp. Chair)
- General Business &- Lucky Door Prizes
- Guest Speaker – Dr Trevor Lambkin



Blake Kelleher



A close-up photograph of a flowering plant with numerous bright pink flowers. Each flower has five petals and very long, thin, white stamens that extend far beyond the petals. The flowers are arranged in a dense, elongated cluster along a brown stem. The background is a soft-focus green, suggesting foliage.

Minutes of the 2021 Annual General Meeting

Zoe Bishop



Minutes of 2021 AGM

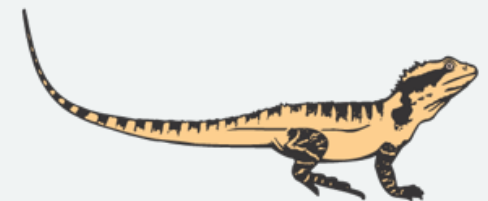
The minutes of the AGM meeting held on 15 February 2022 (“2021 AGM”) as circulated.
Abbreviated Summary:

1. **Welcome and Order of Business** - Acting Chairperson, Malcolm Frost opened the meeting and welcomed all attendees
2. **Minutes of the 2020 AGM** - were read by the incoming Secretary, Zoe Bishop (prepared by Secretary, Kathleen Walmsley)
3. **Annual Report of MCCG Activities** 2021 was presented by Jim Pope
4. **Treasurer’s Report** - Jim Pope presented the Treasurer’s Report on behalf of Alan Walmsley, Treasurer.
5. **Election of Office Bearers** - Cr Gregg Adermann participated as Acting Chair, congratulated the outgoing executive, wished the incoming chairperson, Sandy Pollock and his executive every success for 2022.
6. **Handover to New Chairperson** - Cr Gregg Adermann handed over to the new Chairperson, Sandy Pollock.
7. **Guest Presentation by Gordon Grigg** - on the Old Sawmill Forest Walk.
8. The **meeting was closed** at 8:30 pm

MOVED: Zoe Bishop – Move that the minutes are a true record of proceedings

SECONDED: Sandy Pollock

CARRIED



Chairperson's Annual Report

Sandy Pollock

25 Year Anniversary - MCCG Since 1997



Background to the formation of MCCG

In June 1997 **Brisbane City Council** published the **Moggill Creek Catchment Management Plan**. Subsequently, a Moggill Creek Catchment Management Plan Supplement was published for the Planning Section, Waterway and Asset Management of BCC.

Formation of MCCG

These reports generated considerable community interest and following a community meeting in October 1997 it was decided to form the **Moggill Creek Catchment Management Group Inc.**, which was incorporated in December 1997. The name is now usually abbreviated to **Moggill Creek Catchment Group (MCCG)**.

A copy of the Moggill Creek Catchment Management Plan can be seen in most local libraries and at MCCG's library in the Cottage at the end of Gold Creek Road.



Summary of Activities for 2022



- Approximately 450 members



- 7,300 volunteer hours expended (valued at over \$350,000)



- Gold Creek Native Plant Nursery supplied over 15,000 plants



- Over 55 working bees



- Kids day at the Cottage: approximately 120 children (260 people total)



- Photographic Competition (>600 visitors and 36 participants)



- Public lectures at Brookfield Hall and Kenmore Library



- Quarterly Newsletters: Autumn, Winter, Spring and Summer 2022



- Facebook: Over 1,500 followers, 1,300 likes



- Instagram: 209 followers, 101 posts



Events – Kid's Day at the Cottage June 2022



- Eight stalls – presenters
- 120 children educated/engaged
- 260 people passed through
- Despite many hurdles – happened!



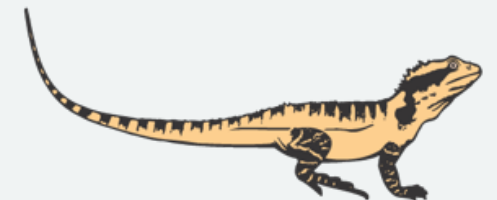
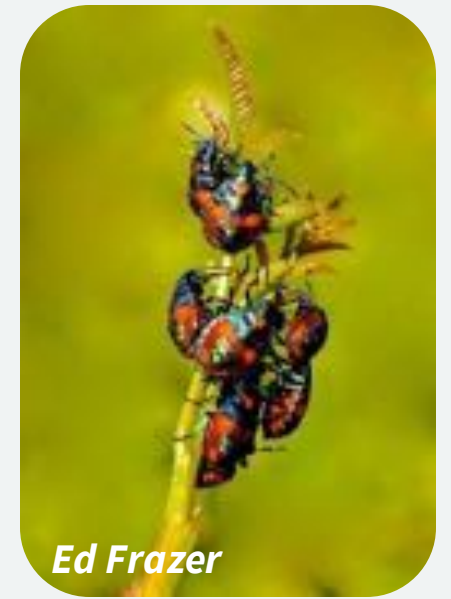
Karina Jaclyn Thank you for hosting this event. My daughter and I had a **lovely time**, and the wildlife show was brilliant!





Events – Photography Competition 2022

- 22 entrants in Open Category with 82 photos
- 14 children in Digital and Young Persons Category with 22 photos
- 439 voters involved in People's Choice Awards
- Total prize money \$1,400
- 679 Likes on Social Media
- Available for viewing over 6 days



Thanks again to our generous sponsors of the MCCG Photography Competition 2022



Kenmore Amcal + Pharmacy



Events – Old Gold Creek Sawmill Walk Opening – coming soon!

To be officially opened by Federal Member for Ryan - Elizabeth Watson-Brown

Over 60 plants labelled

Decades in the making!

Heritage and natural history interest, and an important addition to the Gold Creek Cottage as local land use and botanical identification feature, and excellent birding area

Some 300 metres of walking trail



Ms Elizabeth Watson-Brown MP





Dr Gordon Grigg

"Introducing the Old Gold
Creek Sawmill Forest Walk"



Monica Richter

WWF "Economic strategies to
mitigate climate change"



Dr Gordon Grigg

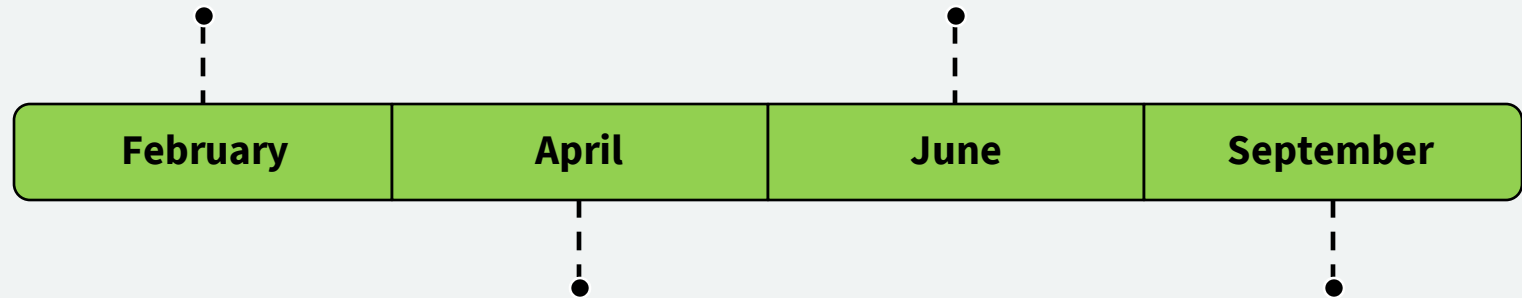
"Recent work confirms that
dinosaurs were warm-blooded and
presents strong evidence that
most of the ancestors of today's
birds and mammals were too,
sharing a 300-MY-old ancestry."



Events – Quarterly Public Talks

Dr Bill McDonald

"Brisbane Rainforests – their
flora, ecology and
relationships within SEQ
rainforest"



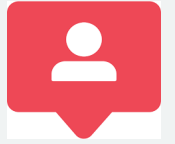
Community Engagement – MCCG Stalls

Fewer than previous years, thanks to ongoing wave of COVID, and very heavy rainfall event during the Brookfield Show (13-15th May). However, at least five new members signed up.

Good turnout at the Kenmore Shopping Centre for the MCCG Photography Competition, several new memberships signed up, and many members of the public engaged.



Community Engagement – Social Media



#mccgphotocomp

moggillcreekcatchmentgroup

27 posts 2022 between 4-113 likes

Up to 18 comments (thanks Joseph Pappas!)

101 posts and 209 followers



Moggill Creek Catchment Group: 20 subscribers and 17 videos, with up to 439 views, especially popular MCCG tubestock planting and Nursery



Moggill Creek Catchment Group

@moggillcreek · Community



92 posts in 2022

1,315 Likes

1,566 Followers as at Nov 22

Increase in followers by about 50/month (May 22: **1173 – Oct 22: **1313**)**



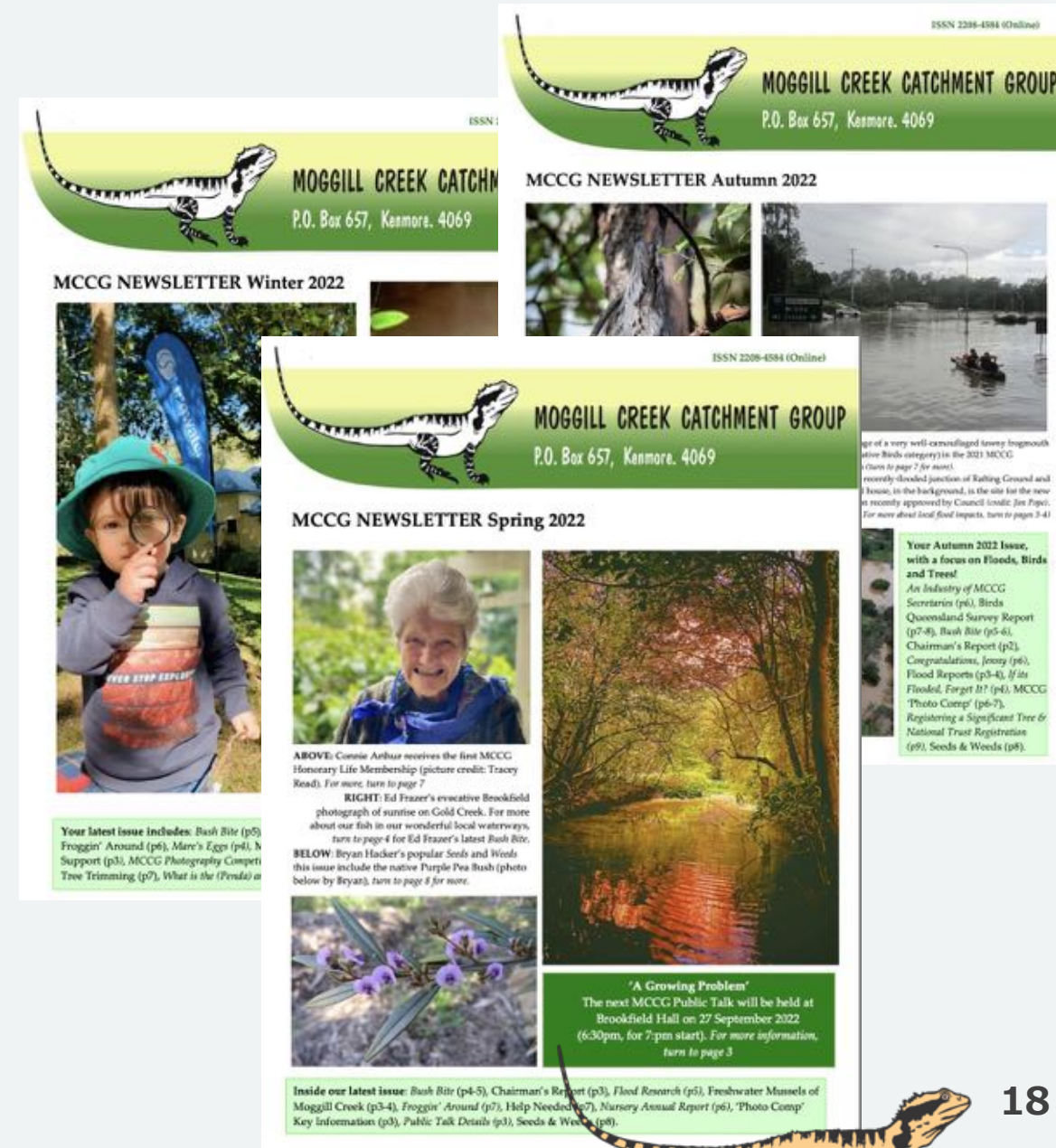
Publications – Quarterly Newsletter

Autumn, Winter Spring and Summer issues 2022

Change in printer for Newsletter, slight increase in cost, membership fees remain unchanged

Cathi Lawrence continued as Editor in 2022

Digital (email) and hardcopies (print post) still supplied



Publications – Local Bulletin and MCCG Website

Popular ‘Wildlife Matters’, ‘Know Your Wildlife’ and ‘Bush Bites’ continued in 2022

‘Know Your Wildlife’ to be discontinued in 2023

Thank you to all our 2022 contributors:

- Ed Frazer
- Jutta Godwin
- Jim Pope
- Lewis Peach
- Manda Page
- Kristy Stevenson
- Rebecca Bain
- Bryan Hacker
- Phil Bird
- Gabrielle Lebbink



Jezebel Nymph (left - photo John Black Jezebel (right - photo Sylvia

AT first glance these butterflies could be mistaken for each other. Both are similar in size and have the same colours on both upper and under subtle differences between these two adult butterflies. Firstly, they families. The Black Jezebel (*Delias nigrina*, on right) is a member of the Jezebel Nymph (*Mynes geoffroyi*, on left) belongs to the Nymph patterns differ. Additionally, compare the hindwings and you'll see edge of the Black Jezebel's is rounded whereas on the Jezebel h irregular extensions or projections appear, quite different to the 'tails'.

Both butterflies lay their tiny eggs in clusters. Once emerged, the l when feeding. At the time of pupation, the Jezebel Nymphs stay toge you can see substantial numbers of chrysalises hanging from branch Black Jezebels seek out solitude.

While adult butterflies are opportunistic when seeking nectar

Jezebels rely on the edge of the bush for nectar. They are choos butterflies, Brisbane

Jezebels are found in the bush. They are choos butterflies, Brisbane

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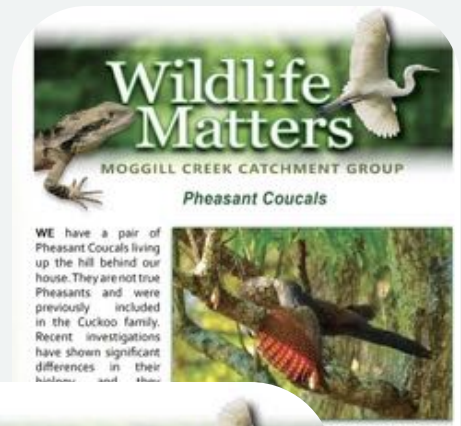
Jezebels are found in the bush. They are choos butterflies, Brisbane

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Jezebels are found in the bush. They are choos butterflies, Brisbane



Images: Ed Frazer, at Brookfield



WE have a pair of Pheasant Coucals living up the hill behind our house. They are not true Pheasants and were previously included in the Cuckoo family. Recent investigations have shown significant differences in their biology and their



Photo: Ed Frazer

en see them catching in eggs, chicks, lizards, fators moving through my looking "flush and ing breeding. The nest ribes" the female with ing a frog.

eggs and most of the in the nest for about 8 being driven out of the

ig to each other during ' call that travels long es. I have seen them ad. A very pretty sight, y into a tree. As I get close, watching me intently close.

ut Brisbane in suitable

Ed Frazer

t.org.au

ROSE-CROWNED FRUIT DOVE (Photo: Ed Frazer)

They will guide their chicks, only a few months old, to the northern grounds to avoid our winter. They will be accompanied by the equally beautiful Sacred Kingfishers and our migrating super star the Latham's Snipe which goes all the way to Japan.

At the same time millions of Yellow-faced Honeyeaters will arrive from Victoria to feast on Eucalyptus nectar. They fly mainly at night in such huge flocks that they show on the BOM radar. Another southerner that will arrive in a few days will be the Grey Fantail. Not as spectacular, but very friendly and just as common in the suburbs as in the bush where they are easily seen competing for insects with the Willie Wagtails. One spectacular species arriving soon is the Noisy Pitta. A ground foraging bird that breeds on the Dividing Range and migrates to the coast, where unfortunately it is vulnerable to our cats at night. Small flocks of Pacific Bats, our Crested Hawk, will also arrive to feed on Sock Insects high up in the tops of Eucalypts.

Many of the Cuckoos species will soon leave to go north for warmer conditions. Some go to North Queensland and some to PNG and the Coral Sea Islands. How a young Channel-billed Cuckoo (Flying Hockeystick) knows where to go is a mystery as cuckoos are raised by other species. They are parasitic birds laying their eggs in other birds' nests. As well as other large cuckoos such as the Coore Bird (Kooli) there are several smaller cuckoos that leave for the north at this time, but some individuals of a few species such as the Shining Bronze-cuckoo choose to stay for the winter and we don't know why.

There is so much more to understand about these migrations. We know little about how they navigate - often to an exact location every year. Many fly during the night probably using the stars or some other astronomical systems. How do they know the exact time to leave each year? Why do some migrate while others stay? Some fly non-stop while others have feed-stop-off places where they replenish their strength. Migration is a phenomenon we have seen right in one of the best places in Australia.

VIST MCCG: www.moggillcreek.org.au

Images: Ed Frazer, at Brookfield

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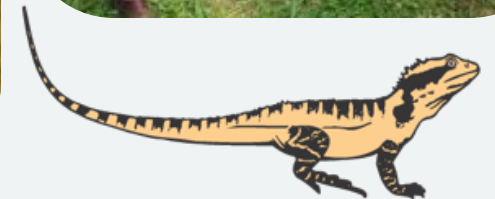
Images: Ed Frazer, at Brookfield

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Native Plant Nursery Gold Creek Reservoir

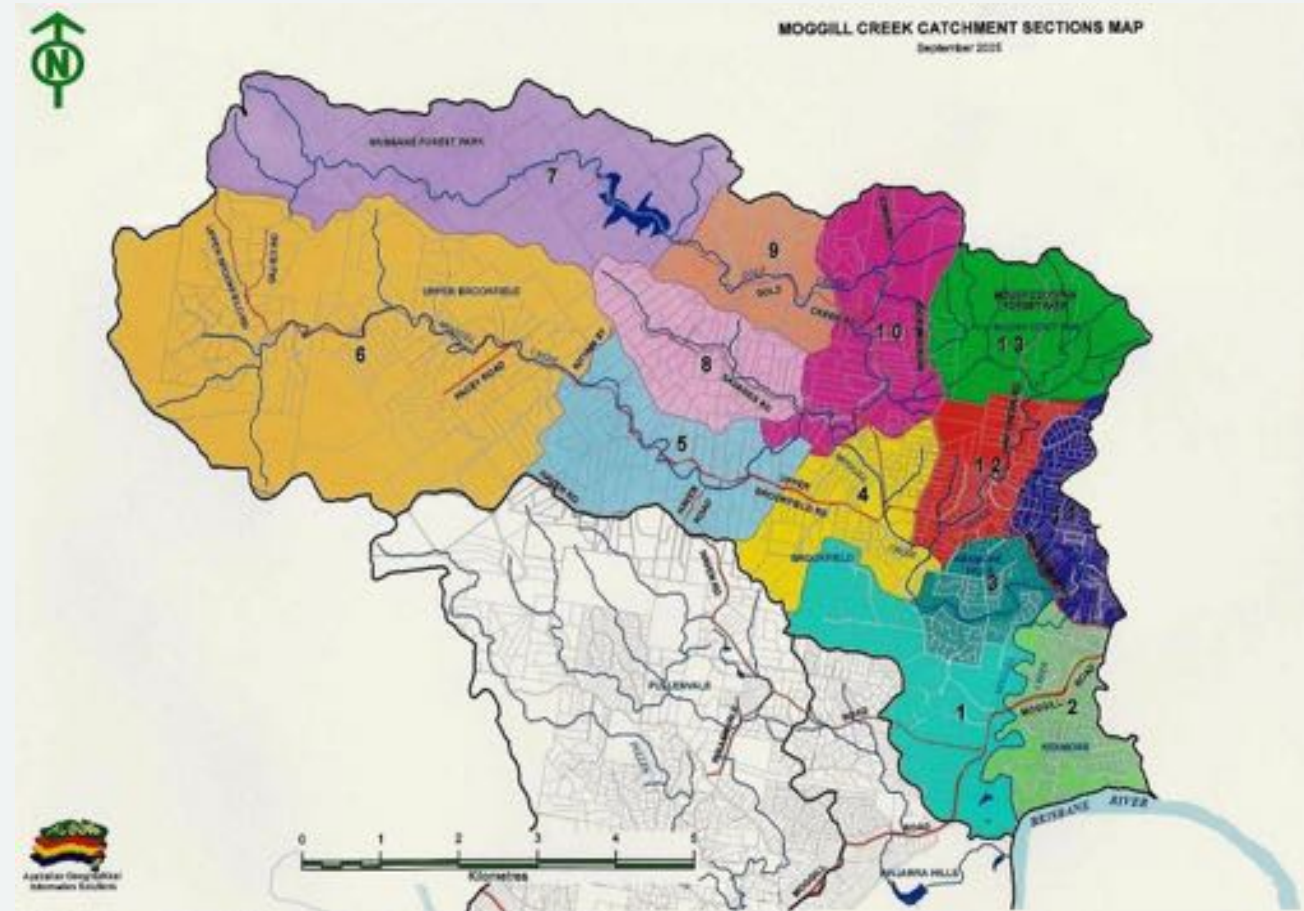
- Nursery distributed 15,782 plants in 21-22 FY
- Volunteers to the nursery contributed 1,211 hours (excluding additional time provided by Andrew Wilson and Bryan Hacker)
- Average of 16 volunteers per working bee
- 154 different plant species potted during 21-22 FY
- Seeds from 113 different plant species collected by 23 members for germination at the nursery
- Bryan Hacker main point of contact for Nursery for customers and MCCG members
- MCCG supplied other catchment groups with some plants, including Cubberla-Witton and Pullen Pullen
- Installation of new water tank by capable Nursery team



Plants provided by the MCCG Nursery 2021-2022

SECTION

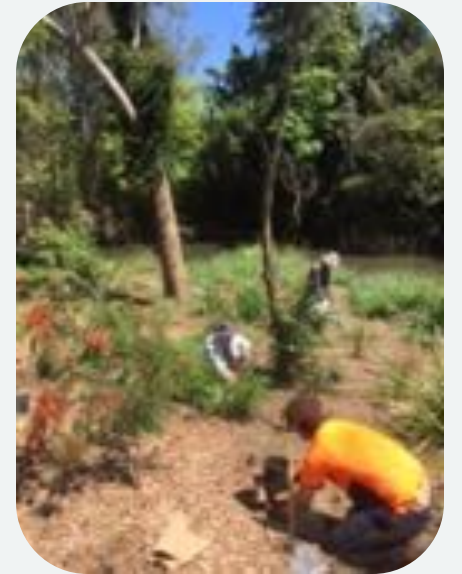
Pullenvale Rd Moons Lane	156
Lower Moggill	223
Huntington	332
Showgrounds	623
Haven Road	87
Upper Brookfield	1,672
Gold Creek Reserve	0
Wonga Creek	1,010
Upper Gold Creek	1,035
Lower Gold Creek	90
McKay Brook	836
Gap Creek	1,093
Pullen Pullen	4,290
Cubberla Witton	740
Other destinations	3,595
TOTAL	15,782



Bushcare Groups and Working Bees

MCCG Section Data, 2021-22*

Section	Working bees	Average attendees	Volunteer hours	Hours outside working bees	Plants
1 (Rowena St)	2	11	39	0	0
2 Kenmore SHS	4	9	114	64	450
3 (Creekside)	10	13	361	42	426
4 (Brookfield Showgrounds)	6	3	39	85	461
6 (Upper Brookfield)	2	4	14	63	142
6 (Pacey Road)	4	13	123	3	75
8 (Savages Road)	3	3	21	15	89
9 (Gold Creek)	8	6	96	32	0
11 (Gap Creek)	9	12	445	156	2,347
12 (Gap Creek)	8	13	239	134	800
Total	56		1,491	594	4,790
* 1 July 2021 - 30 June 2022					



Challenge Employment and Training Teams

The poster is for a 'PAID TRAINEESHIP' in 'CONSERVATION AND ECOSYSTEM MANAGEMENT'. It features logos for South Australia, Challenge, and MCCG. A central image shows a person in a bushcare site. Text includes: 'Are you passionate about the environment? Are you interested in working outdoors? Do you want the skills to make a difference?'. 'Project Locations: Kangaroo'. 'LEARNING BENEFITS' list: Certificate 1 in Conservation and Ecosystem Management (400000), Provide first aid (PFA4000) and Provide Bushfire Safety (PFA4000), Construction Induction White Card (ICPC4000), AACCH000000 and apply chemicals to control weeds, insects and diseases, AACCH000000 Transport and store chemicals, Operate and maintain chainsaws (AACCH000000). 'JOB PROSPECTS' list: Conservation and Land Care Worker, Bush Regenerator, Grounds Maintenance Team Member, Mowing and Brush Cutter / Sprayer Operator. 'FURTHER QUALIFY' list: Certificate 1 in Conservation and Ecosystem Management, Certificate 1 in Conservation and Ecosystem Management, Certificate 1 in Conservation and Ecosystem Management, Certificate 1 in Conservation and Ecosystem Management, Certificate 1 in Conservation and Ecosystem Management. 'APPLY NOW' with a QR code. 'PAID OPPORTUNITIES AVAILABLE' and 'START DATE AND DURATION' (October 2022 to March 2023). 'CONTACT US' with phone (08) 8242 8000, email info@challengeemployment.org.au, and social media handles @challengeemployment and challengeemployment.

Approx 20 weeks of paid training and practical experience towards achieving **Certificate 1 in Conservation and Ecosystem Management (CAEM)**.

To date the program has been very successful, with **almost 100% of graduates** obtaining **full-time employment** after completing the course.

MCCG **benefit from the excellent work** they do on our bushcare sites as part of their practical experience. Working from October 22 in Rowena Street and Gap Creek.

• Conservation and Land Care Worker • Bush Regenerator • Grounds Maintenance Team Member • Mowing and Brush Cutter / Sprayer Operator

Challenge
Employment & Training



Image: Jim Pope



Creek Health Monitoring Program (CHMP) – Lewis Peach

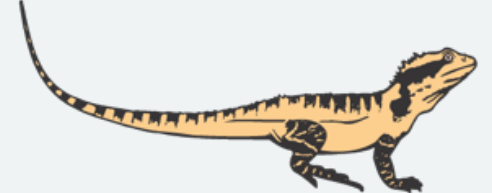
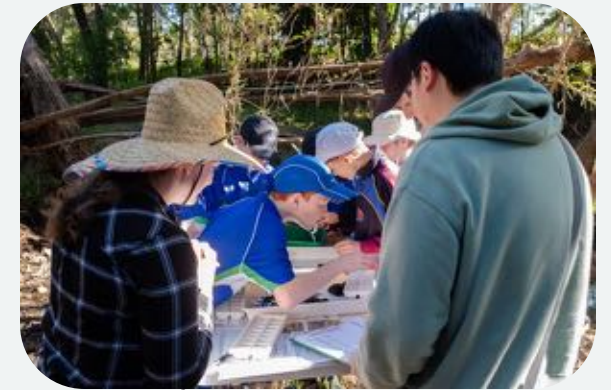
Thursday 26th May - Online presentation on Water Engineering & impact of major floods events on waterways by **Sanja Oldridge**.

May, October, November – CHMP surveys

Saturday 12th November - Training and Waterway health survey (Gold Creek Dam)

Saturday 19th November - Waterway health survey (Mid Catchment Moggill Creek)

General finding is an increase in percentage of native fish species – exotics declined (flooding?)



Creek Health Monitoring Project (CHMP) in 2022

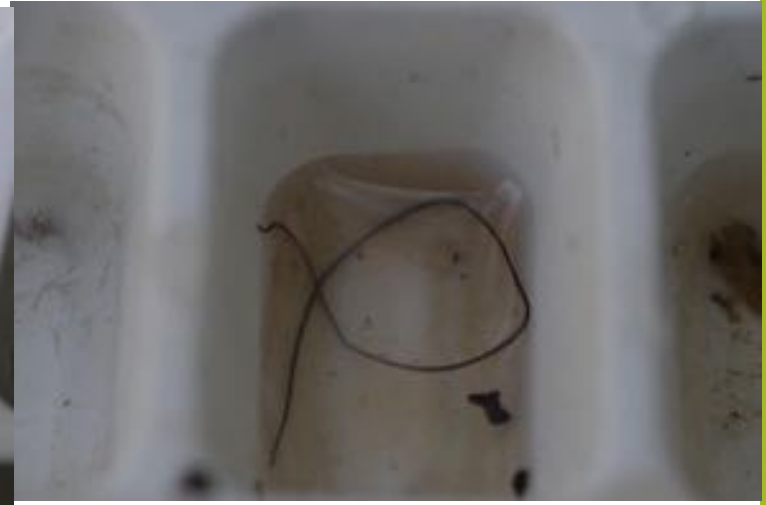
- 9 waterway health surveys in 2022
- Kids Day
 - Lewis and Victor ran a waterbugs stall
- CHMP article in local paper
- Sanja Oldridge flood engineering presentation
- Sensitive and very sensitive macro-invertebrates consistently seen (indicator of good health)
- Recent surveys have recorded a high ratio of native fish to exotics





Fish results in 2022

Fish Types	total
Native	204
Exotic	115
Most Common Native species	
Empire Gudgeon	123
Firetail Gudgeon	40
Agassiz's Glassfish	14
Southern Purple spotted Gudgeoned	4

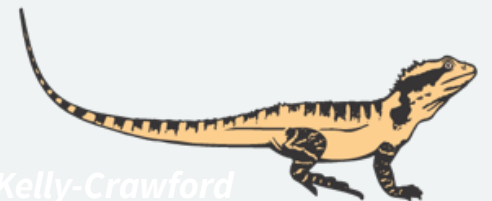
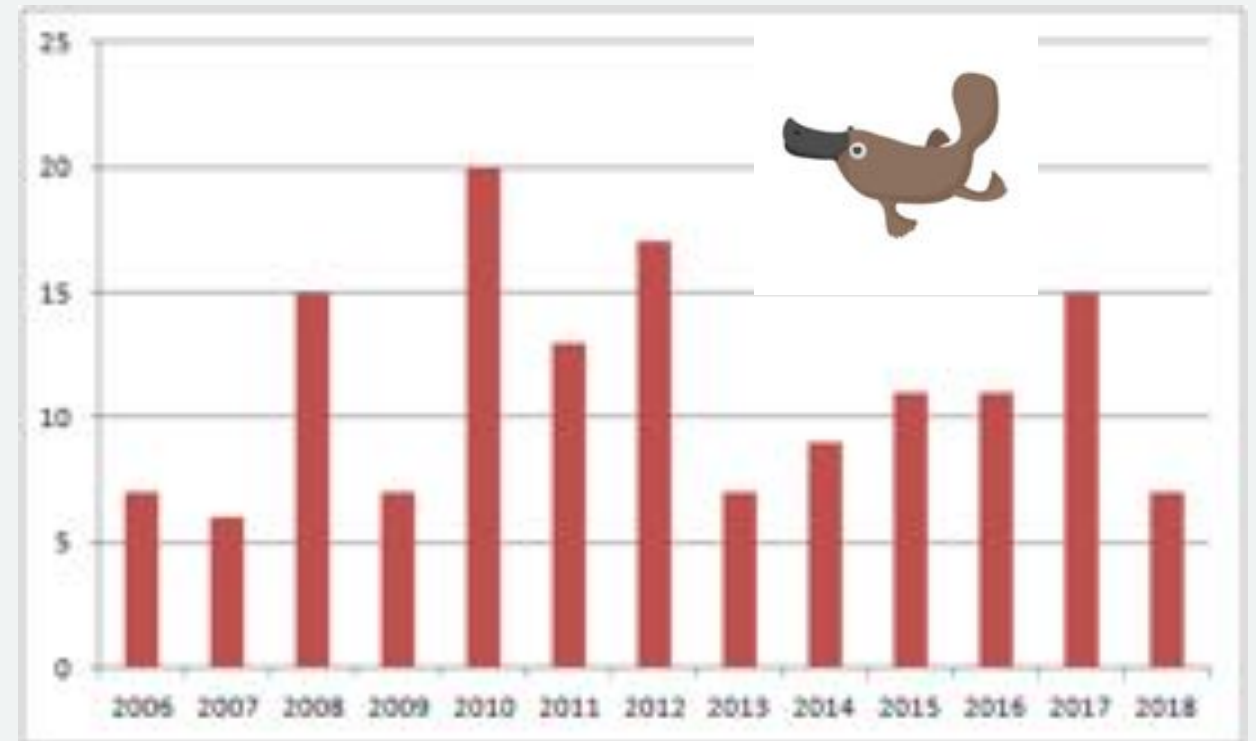


Moggill Creek Platypus Survey 2022

The observational survey was **important this year due to the major flooding events** earlier in the year. Flooding can either be beneficial or detrimental for platypuses. A slow increase of water, **fills the system and washes out nutrients and built-up sediment**. More water means an **increase in waterway connectivity** for platypuses to move and a depth that is **safe and effective for foraging**. Especially during breeding season (June – October).

This year's results have identified the **distribution to be consistent with previous years**. It was also interesting that platypuses were **not sighted in the lowest section around Kilkivan Avenue**.

Overall, **7 sites recorded observing platypuses**, and distance and timings suggest **individuals**. With this year's low number, you can't speculate a decline in numbers

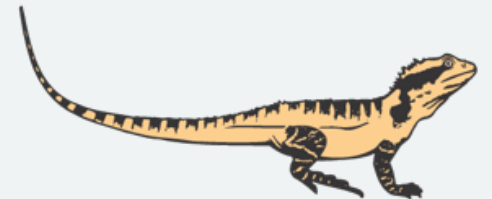


Memberships – Suzanne Philp and Chris and Zoe

Month	2021	2022										
		Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov
New Members this month	-	7	12	4	5	11	6	7	5	1	6	3
Members who renewed this month	-	36	76	18	22	86	24	9	5	5	11	9
2021 Members still to renew for 2022 (unfinancial)	-	339	326	311	293	232	195	190	189	186	182	-
Current (financial) Members	500	187	199	221	247	344	375	387	397	401	421	428

First Life Member – Connie Arthur! Congratulations!


Approximately 100 new memberships/renewals in May 2022





Public Liability and Accident Insurance

In accordance with the legal requirements of the Office of Fair Trading for Incorporated Associations; we inform all candidates nominating for election and all members present that we hold adequate general liability, personal accident and protector liability insurance, as provided to all SEQCMA members from State funds managed by QWaLC.

Image: Chris Bruto

		Certificate of Currency	
QLD Water & Land Carers Inc. PO Box 851 MALENY QLD 4552		Date of Issue: 30 March 2022 Contact: Darryl Ebenezer t: 61 7 3844 4032 e: info@qwaic.org.au Aon Broker: Vanessa Hilton	
We hereby certify that the under mentioned insurance policy is current as at the date of this certificate, please refer to the important notices below.			
Policy Type	Personal Accident	Insured	Land Care Groups (including Bushcare, Coastal Care, Waterwatch and Catchment Groups) in Queensland who are Land Care Groups registered with the QLD Water & Land Carers Inc. and all individual persons carrying out activities authorised by the registered Land Care Groups
Insurer	Moggill Creek Catchment Management Group Inc	Policy Number(s)	AFA Pty Ltd ABN: 83 087 084 303 557589
Period of Insurance	From: 4:00 pm 31/03/2022 Local Standard Time To: 4:00 pm 31/03/2023 Local Standard Time	Interest Insured	Covering volunteers, work experience, including whilst volunteering from home, work for the club & Centre Ltd nuclear obligation, people carrying out activities on behalf & at the direction of the insured including direct travel to & from the voluntary activity for accidental injury or death.
Limits of Liability	Aggregate Limit of Liability \$ 3,350,000	Situation of Risk	Anywhere in Australia
Remarks	Subject to the terms, conditions & exclusions of the policy		

		Certificate of Currency	
We hereby certify that the under mentioned insurance certificate, please refer to the important notices below.		Date of Issue: 30 March 2022 Contact: Darryl Ebenezer t: 61 7 3844 4032 e: info@qwaic.org.au Aon Broker: Vanessa Hilton	
Policy Type	Primary Liability	Insured	Land Care Groups (including Bushcare, Coastal Care, Waterwatch and Catchment Groups) in Queensland who are Land Care Groups registered with the QLD Water & Land Carers Inc. and all individual persons carrying out activities authorised by the registered Land Care Groups
Insurer	XL Insurance Company SE AG	Policy Number(s)	SC3342014343
Period of Insurance	From: 4:00 pm 31/03/2022 Local Standard Time To: 4:00 pm 31/03/2023 Local Standard Time	Interest Insured	General and Products Liability
Limits of Liability	General Liability: Any one occu Products Liability: Any one per	Situation of Risk	Anywhere on the Commonwealth executive officers and employees
Remarks	Nil		

		Certificate of Currency	
We hereby certify that the under mentioned insurance policy is current as at the date of this certificate, please refer to the important notices below.		Date of Issue: 30 March 2022 Contact: Darryl Ebenezer t: 61 7 3844 4032 e: info@qwaic.org.au Aon Broker: Vanessa Hilton	
Policy Type	Protector/Association Liability	Insured	Land Care Groups (including Bushcare, Coastal Care, Waterwatch and Catchment Groups) in Queensland who are Land Care Groups registered with the QLD Water & Land Carers Inc. and all individual persons carrying out activities authorised by the registered Land Care Groups
Insurer	Insurance Australia Limited T/A CGU Prof Risks ABN: 11 000 016 722	Policy Number(s)	83ASL1874478
Period of Insurance	From: 4:00 pm 31/03/2022 Local Standard Time To: 4:00 pm 31/03/2023 Local Standard Time	Interest Insured	Section 1 Professional Liability Section 2 Management Liability Section 3 Associations Liability Section 4 Employment Practices Liability Section 5 Employee Fraud or Dishonesty
Limits of Liability	Section 1 - \$ 10,000,000 any one claim and \$20,000,000 in the aggregate Section 2 - \$ 10,000,000 any one claim and \$20,000,000 in the aggregate Section 3 - \$ 10,000,000 any one claim and \$20,000,000 in the aggregate Section 4 - \$ 10,000,000 any one claim and \$20,000,000 in the aggregate Section 5 - \$ 100,000 any one claim	Situation of Risk	Australia and New Zealand
Remarks	Subject to the terms, conditions & exclusions of the policy		



Special thanks to:

Tracey Read PR genius and very hardworking social media guru

Dale Borgelt and the KDATC team for another great year getting children into the bush, and seeing and understanding wild things

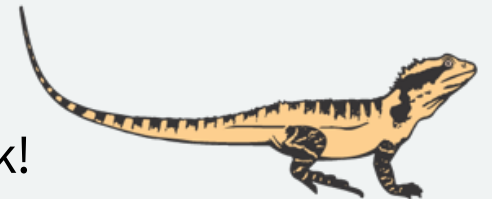
Jim Pope for his mentorship, and extraordinary work in getting the Challenge Employment Team working for another year for MCCG

Bryan Hacker and **Andrew Wilson** for organising and successfully coordinating the Gold Creek Nursery and volunteers (and seed collection)

Damian Egan for longtime work in Section 4 revegetation and weeding Brookfield Showgrounds of Moggill Creek, one of many valued Section Leaders

Rebecca Bain and the Photography Competition team for a well-organised and smoothly run event

Gordon Grigg for his Old Sawmill Walk leadership, and excellent zoological talk!



Treasurer's Financial Report

**Financial Audit Report and
Financial Statements for the
year ended 30 June 2022**

Alan Walmsley
Treasurer

Image: Chris Bruton



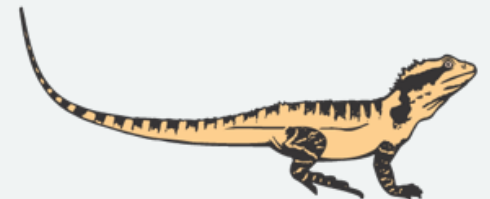
Balance Sheet - 30 June 2022

Current Assets	2022	2021
Suncorp Account	\$32,740.57	\$33,677.77
ING Interest Account	\$52,705.31	\$52,652.65
Commonwealth Trust Account	\$4,542.58	\$4,479.82
ING Trust Interest Account	\$8,986.37	\$8,977.64
Total Assets	\$98,974.83	\$99,787.64
Surplus for the year	-\$812.81	\$1,840.63



Income vs Expenditure – 30 June 2022

	2022	2021
Total Income	\$25,146.63	\$48,132.62
Total Expenditure	\$25,959.44	\$46,291.99
Surplus for the Year	-\$812.81	\$1,840.63



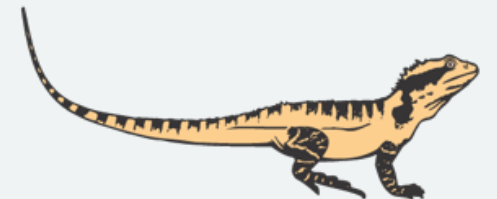
Income – 30 June 2022

Grants

Admin, Operations and Native Plant Nursery Community Conservation Partnership Program	\$9,020.00	
Kids Day 2022 BCC Pullenvale Ward	\$1,000.00	
Nursery Water Tank Replacement Gambling Community Benefit Fund	\$2,545.60	
	2022	2021
Total Grant Income	\$12,565.60	\$30,748.50

General

Donations	\$768.50	
Mike Humphries Donations	\$19.26	
Interest	\$64.85	
Memberships	\$9,410.02	
Merchandise (Calendars)	\$848.40	
Photo Competition	\$1,325.00	
Plant Sales	\$145.00	
	2022	2021
Total General Income	\$12,581.03	\$17,384.12



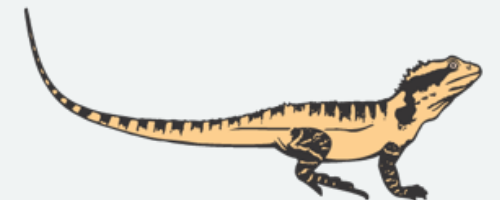
Expenditure – 30 June 2022

Grants

Moggill Creek Health Monitoring Queensland Citizen Science	\$766.25	
Sawmill Weed Removal CEP 78616	\$1233.64	
Kids Day 2020 SEQW	\$1,138.14	
Kids Day 2021 BCC LMCF	\$390.00	
Native Plant Nursery Improvements LMCSEG ENV20-21504	\$9,320.94	
Nursery Water Tank Replacement Gambling Community Benefit Fund	\$1,930.00	
Kids Day 2022 BCC Pullenvale Ward	\$660.00	
	2022	2021
Total Grant Expenditure	\$15,438.97	\$34,611.03

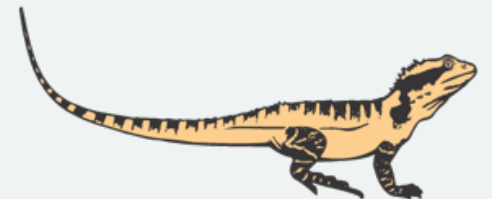
General

Cottage Admin	\$4,950.90	
Public Relations	\$2,334.31	
Nursery	\$1,023.38	
Merchandise (Calendars)	\$515.80	
Photo Competition	\$1,214.00	
Cottage Grounds	\$197.99	
Section Leaders	\$284.09	
	2022	2021
Total General Expenditure	\$10,520.47	\$11,680.96



Auditor's Opinion

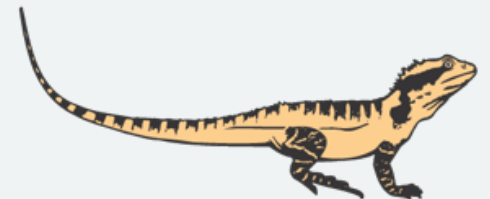
The financial report of the Moggill Creek Catchment Management Group Inc. presents fairly the financial position at 30 June 2022 and the financial performance of the association for the year then ended in accordance with the basis of accounting.




Summary

I move that the CSG Accountants Auditors Report and financial statements for the year ended 30 June 2022 be accepted.

I also move that CSG Accountants be appointed auditors again for the 2022/23 financial year.



A close-up photograph of a branch with several vibrant purple flowers. The flowers have five petals and a yellow center. The background is a soft-focus green, suggesting foliage.

Resignation of Office Bearers and Election of the 2023 Committee

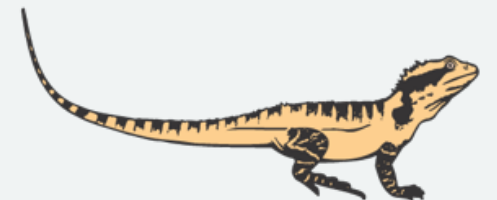
Temporary Chairperson

Dr Christian Rowan MP



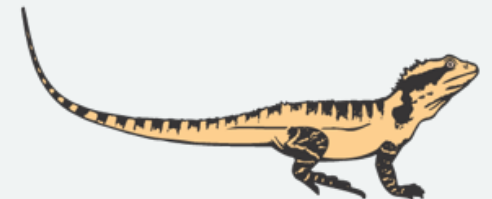
2023 Management Position Nominees

Position	Nominee	Nominated by	Second
Chairperson	Sandy Pollock	Alan Walmsley	Kathleen Walmsley
Vice Chairperson	Malcolm Frost	Bryan Hacker	Dale Borgelt
Treasurer	Alan Walmsley	Jim Pope	Kathleen Walmsley
Secretary	Chris Bruton and Zoe Bishop	Dale Borgelt	Sandy Pollock
Public Relations Officer	Vacant – nominations to be called from the floor		
Cottage Admin/ Events Coordinator	Dale Borgelt	Zoe Bishop	Chris Bruton
Grants Officer	Vacant – nominations to be called from the floor		



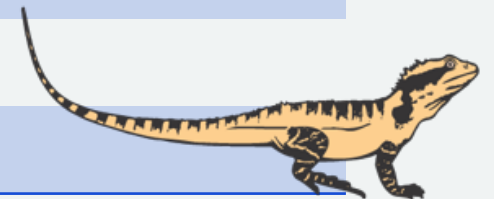
2023 Management Position Nominees - Continued

Position	Nominee	Nominated by	Seconders
Landcare Advisor	Bryan Hacker	Jim Pope	Tracey Read
Water Quality Advisor	Lewis Peach	Chris Bruton	Zoe Bishop
Committee Member	Jim Pope	Alan Walmsley	Kathleen Walmsley
Committee Member	Tracey Read	Jim Pope	Brian Hacker
Committee Member	Gordon Grigg	Dale Borgelt	Chris Bruton
Committee Member	Simon English	Victoria Anderson	Sandy Pollock
Committee Member	Anna Williamson	Chris Bruton	Zoe Bishop



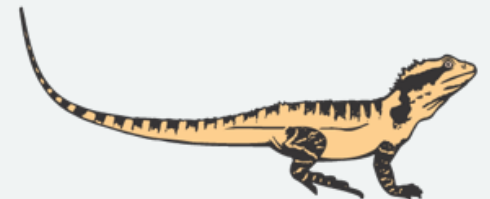
2023 Section Leaders (Appointees)

Section	Leader
Section 1 - Pullenvale/Rowena Park	Alex Berghuis
Section 2 - Lower Moggill Creek	Jez Roff
Section 3 - Huntington/Tuckett	Jim Pope
Section 4 - Showgrounds	Damien Egan
Section 5 - Haven Road	Richard Woodhead
Section 6 - Upper Brookfield	Kate McVicar
Section 7 – Old Gold Creek Sawmill Forest Walk	Gordon Grigg
Section 8 - Wonga Creek	John Crowley
Section 9 - Upper Gold Creek	Robert James
Section 10 - Lower Gold Creek	Position Vacant
Section 11 - McKay Brook	Bryan Hacker
Section 12 - Gap Creek	Deb Craig
Section 13 – Mt Coot-tha Park	Brisbane City Council



2023 Non-elected positions

Position	Appointee
Newsletter Editor	Cathi Lawrence
Membership Secretary	Suzanne Philp
Website and Social Media	Tracey Read
Nursery	Andrew Wilson
Nursery Data and Section Reports	Bruce Siemon





General Business

2023 Chairperson
invites comments from
the floor

Image: Chris Bruton



Lucky Door Prizes

Have your ticket ready!

Image: Joseph Pappas





Prize 1 – Eco Pack

*Kindly donated by Elizabeth Watson-Brown MP,
Member for Ryan*



Prize 2 – 25 Year Celebration Pack

*Kindly donated by Dr Christian Rowan MP, State Member for
Moggill, Shadow Minister for Education, Shadow Minister for
the Arts*



Prize 3 – Green Thumb Pack

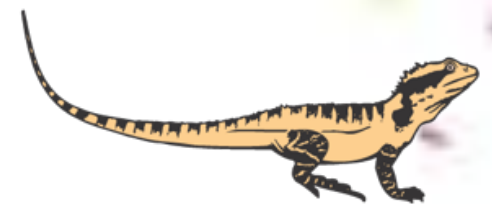


Prize 4 – Kids Discovery Pack





Prize 5 – Native Pollinator Pack



Guest Speaker

**Dr Trevor Lambkin
President of the Butterfly
and Other Invertebrates
Club**

Image: Chris Bruton





The Mistletoe butterflies of Brisbane: their beautiful and complex relationships

A challenging problem for sampling

Dr Trevor A Lambkin

This presentation

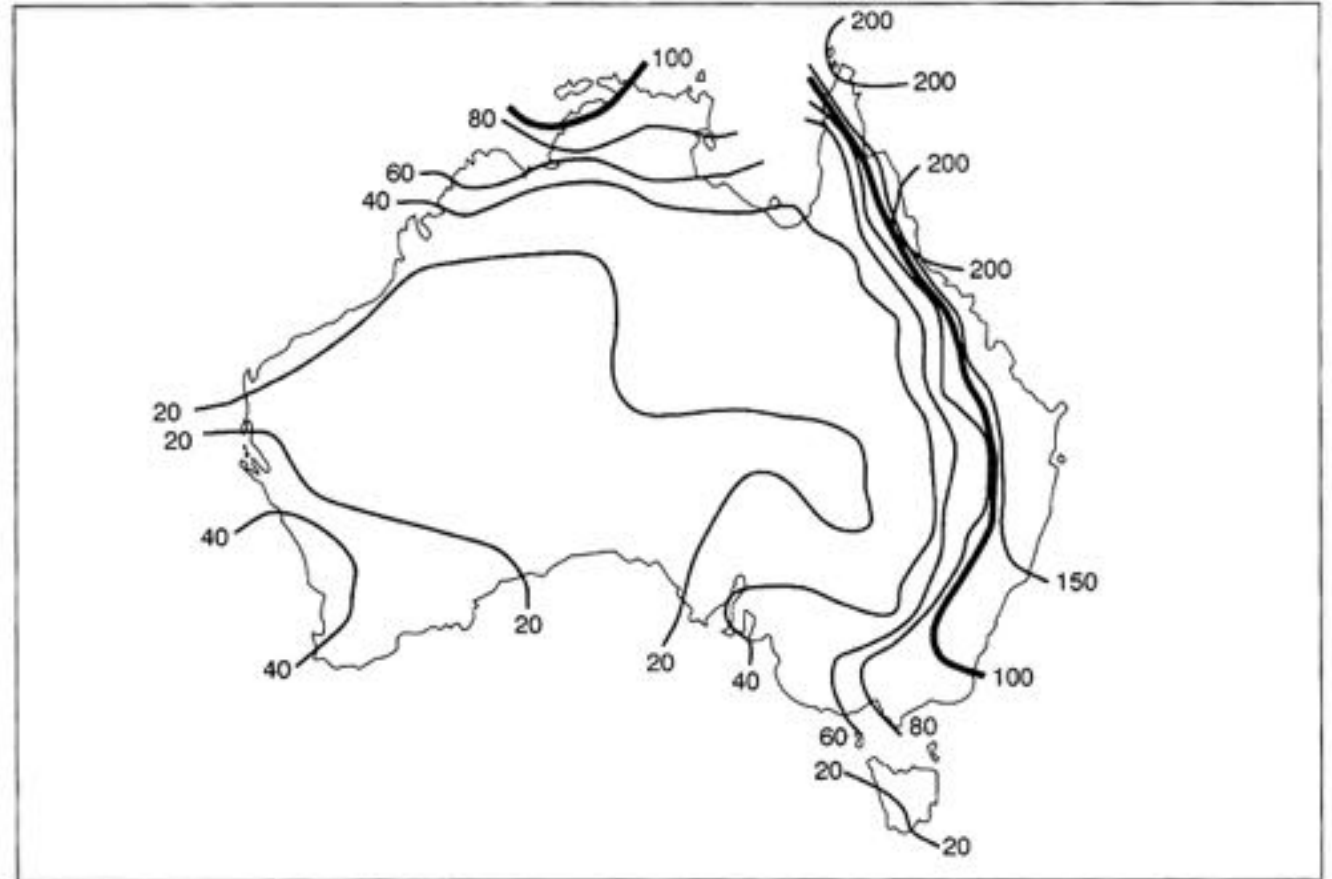
- Basics on butterflies - 101
- Basics on mistletoes - 101
- Mistletoes and butterflies
- In Australia?
- Some have intriguing life histories
- Some we rarely observe
- Sampling



Basics on butterflies

BUTTERFLIES 101

- In Australia there are roughly 430 species of butterfly
- Primarily 5 families
- The bulk of species occur in Queensland
- SEQ has one of richest butterfly faunas in Australia
- Second to the Wet Tropics and Cape York/Torres Strait



Species richness isopleths for the Australian butterflies.

PAPILIONIDAE

SWALLOWTAIL BUTTERFLIES



- Predominantly tropical
- Some of these species are the largest butterflies in the world
- The birdwing butterflies of New Guinea and Asia do occur in Queensland
- Richmond birdwing is in this group
- Two common species around Brisbane whose larvae feed on citrus leaves

HESPERIIDAE

THE SKIPPER BUTTERFLIES

- Predominantly temperate with many endemic species in southern Australia
- Second largest family of butterflies
- Mostly small, orange and fast flyers
- The larvae of most species feed on monocots such as sedges or grasses



PIERIDAE YELLOWWS, JEZABELS AND MIGRANTS

- Predominantly tropical with some species in NSW
- This family contains the introduced cabbage white
- *Delias* or jezabels are a stunning group



NYMPHALIDAE

NYMPH BUTTERFLIES

- Mostly large and showy
- Occur across all zones from tropical to temperate
- Contains the Danaines – crows and tigers



LYCAENIDAE

BLUE BUTTERFLIES

- Occur across all zones from tropical to temperate
- Largest family of butterflies
- Mostly relatively small
- Australia has the largest species in the world



Basics on mistletoes - 101

- Aerial mistletoes are parasitic
- Worldwide - roughly 1260 species worldwide
- Mostly in two families
- 940 species in Loranthaceae and 350 species in Viscaceae
- Around 90 species in Australia with 43 species in the east – highest diversity of any country



The two families

- Viscaceae – includes some mistletoe hyperparasites
NOTOTHIXOS, VISCUM
- Loranthaceae – includes all aerial parasites of trees and shrubs
AMYEMA, DENDROPTHOE



Biology

- Mistletoe seed is spread by the Mistletoe Bird (*Dicaeum hirundinaceum*)
- Fruit of mistletoes are consumed and pass through the gastrointestinal tract
- After passing through they become very sticky and adhere easily onto branches
- The germinating embryo taps into the phloem of the tree via a haustorium-makes a vascular connection
- Mistletoes do not kill their hosts



Mistletoe butterflies – what we know

- Larval hostplants are mistletoes
- Two families of butterflies
- Very few mistletoes in Europe (*Viscum album*) and north America
- Just one mistletoe butterfly species in north America
- Many in the Neotropics and Asia



Atlides halesus

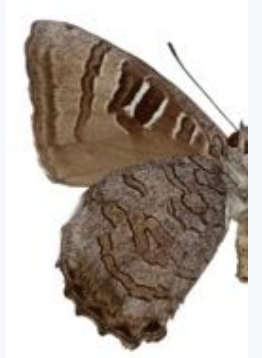


Thereus lomalarga



The mistletoe butterflies

- Greatest diversity in the Neotropics (Theclinae) of the Lycaenidae
- In Australia – just over 13 species (Theclinae and Polyommatainae)
- The Australasian region *Delias* (Jezabels) of the Pieridae – 250 species
- PNG is the centre of *Delias* group
- In Australia – 9 species of *Delias* exclusive mistletoe feeders



The Jezabel butterflies - *Delias*

- In Brisbane we have two relatively common species
- *Delias nigrina* and *Delias argenthona*
- Two other species that can occur in Brisbane
- *Delias nysa* and *Delias aganippe*
- Larvae feed gregariously on mistletoes
- Predominantly winter flyers



The azure butterflies - *Ogyris*

- Unique genus – almost exclusively Australian – most species are solely mistletoe feeders
- The azure butterflies rival the Neotropical Morpho
- SEQ – four species
- Have a very different behaviour to most other butterflies

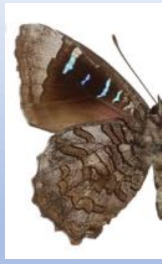
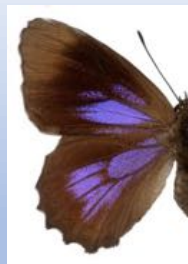
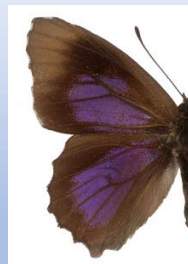


The azure butterflies - *Ogyris*

- Fly high and remain settled for long periods
- Because of their cryptic underside pattern – difficult to see when settled
- Frequent very high clumps of mistletoe
- Larvae feed on foliage of mistletoes and pupate under loose bark or in borer holes



The most common azure butterflies in Brisbane – *Ogyris* (facultative)





Are they rare?

- Rarely observed
- A study across Brisbane undertaken in late 90s
- Results indicated that across all suburbs sampled 2 or 3 species were detected
- Some surprising results
- At two locations – another rarely detected species
- *Hypochrysops cyane* (Cyane Jewel)



In focus - *Ogyris zosine*



- Again rarely observed
- Intricate and complex life history
- Obligate relationship with *Camponotus*
- Hidden Brisbane suburb gem

In focus - *Ogyris zosine*

- Most common mistletoe hosts are *Dendrothoe vitellina* and *Amyema conspicua*
- In Brisbane occur on Crepe Myrtle
- Life history





How can we detect the presence of the three common species?

- Make use of their habits to detect immatures of the butterflies
- The larvae pupate under loose bark on trees
- Often travel down to base of tree
- Construct habitats of bark tied to trees
- These entail paperbark bands
- Tied onto smooth barked trunks below mistletoe
- System was developed in the 1950s
- Simply called 'banding trees'



The task at hand?

- Tying paperbark onto trees with mistletoe
- Paperbark cut to size, plant tie and a ladder
- Examining under the bands every three weeks
- Collecting larvae and pupae

What do the immatures look like?

- Larvae are flat in profile
- They are found under the bands
- When under the bands they are normally ready to pupate



Problems?

- It is labour intensive
- The bands must be tied flat onto the trunks because of Asian House Geckos
- Checking regularly under bands: three- week intervals
- But rewarding



Benefits

- Using the banding method, we can detect these rarely observed butterflies.
- The data we collect can provide a very good indication of their presence and distribution across the Brisbane area.
- Once we are confident with our methodology, we can then plan to use similar practices to sample for other species.



THANKYOU



Meeting Close

Sandy Pollock

Image: Chris Bruton

