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#### Acknowledgements

Tyron de Kauwe (Sunshine Coast Council), Mandy Botterell (Mandy Botterell Consultancy), Bat Rescue Inc. Sunshine Coast, Dr. Clancy Hall, Uncle Lyndon Davis (Gubbi Gubbi), Uncle BJ Murphy (Jinibara), Monika O'Hanlon, Jenna O'Connell (Port Macquarie Hasting Council), Tigerlily Boyce (Sunshine Coast Council).

#### Disclaimer

The information contained in this publication is based on knowledge and understanding at the time of writing (2024). However, because of advances in knowledge, users are reminded of the need to ensure that the information upon which they rely is up to date and to check the currency of the information with the relevant authorities.

#### **Preface**

This publication has been prepared as a resource for schools. You may copy, distribute, download and otherwise freely deal with this publication for educational purposes only, provided that Sunshine Coast Council is attributed as the owner. No part of this publication can be reproduced for commercial gain without written consent from the owner.

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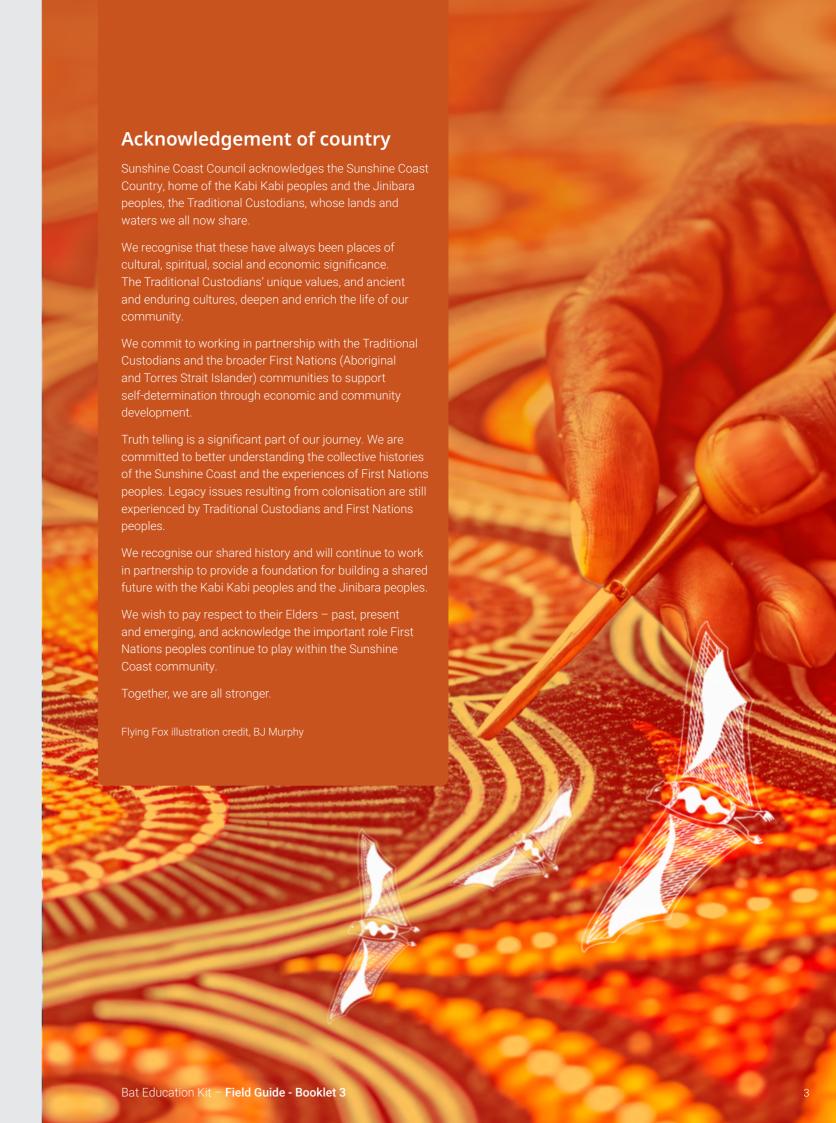








Flying-foxes and micro-bats may carry bacteria and viruses which can be harmful to humans. People who are not trained and vaccinated should not handle bats. If you find an injured micro-bat or flying-fox, do not attempt to help the animal yourself or touch it in any way. Contact the RSPCA hotline (1300 264 625) for assistance.



### Field Guide Booklet 3

Sunshine Coast Council

# **Those Magnificent Flying Mammals!**

# Bat Education Kit

Explore the captivating world of flying-foxes with our comprehensive 'Those Magnificent Flying Mammals' education materials, consisting of three essential documents: a Teacher's Guide, engaging Units of Study, and invaluable Flying-fox Roost Field Trip information.



#### Contents

Preface	2
Acknowledgement	3
Introduction	6
General information - before you begin	8
Planning your Flying-fox roost visits	9
Safety on site	9
Keeping people safe	9
Keeping Flying-foxes safe:	9
Consider the timing of your roost visit	10
Pre-visit activities & discussion points:	11
Sunshine Coast Flying-fox roost sites for school visits	. 12
Roost visit activities & discussion points	14
Four Sunshine Coast Flying-fox roost sites for school visits	. 16
Roost visit details for four Sunshine Coast roost sites	
Andrea Ahern Bushland Park	18
Emerald Woods Environmental Area	22
Kuluin Neighbourhood Park	26
Tesch Park	30
Post-visit activities & discussion points	. 34
What is your "Promise to Frankie"?	. 37

### Introduction

Flying-foxes are the largest flying mammals in Australia, playing a crucial role as keystone pollinator species. Their significance extends to ensuring the survival of our forests and maintaining the overall health of our local ecosystems. While their presence in urban areas can be a source of contention, with some community members recognising their value and offering support, many others highlight negative impacts stemming from their roosting and foraging behaviours.

Navigating this complexity requires a strategic focus on education and engagement. By fostering awareness, understanding, and community capacity, we can pave the way for coexistence with these remarkable creatures. As the threats facing flying-foxes escalate, community education becomes paramount. Informing the public about flying-fox behaviours, seasonal movements, ecological and cultural connections, as well as management decisions and practices, is a pivotal step. This comprehensive approach not only promotes long-term tolerance but also inspires increased conservation actions, ensuring a harmonious relationship between communities and these vital members of our ecosystem.

The Sunshine Coast Council's Regional Flying-fox Management Plan (RFFMP) recognises the importance of education and has an ongoing commitment to educating and engaging the community. This program is an outcome of the RFFMP. Its primary objective is to deliver a curriculum-aligned learning experience to local schools on the Sunshine Coast. This program aims to actively engage students in understanding various aspects of flying-fox species, involving them in the observation and collection of data related to these species, and fostering their contribution towards positive and constructive outcomes for crucial flying-fox management practices.

Aligned with the goal of striking a balance between reducing conflicts associated with flying-fox roosting in urban areas and ensuring the conservation and welfare of these essential native species, this initiative emphasises knowledge transfer, heightened awareness, active engagement, and tangible actions within schools and among students. The ultimate aim is to extend this knowledge and commitment beyond the school environment, reaching into the wider community and students' homes.

The program comprises a carefully structured sequence of learning activities, carefully aligned with the Australian Curriculum. Designed to be accessible to school teachers across the Sunshine Coast, these learning sequences and accompanying resources serve as a comprehensive guide. They equip teachers with ideas, concepts, research methodologies, investigative approaches, and actionable items concerning the three species of flying-foxes that frequent the Sunshine Coast. Topics covered include their distinctive features, life cycles, behaviours, habitat requirements, ecosystem and seasonal connections, potential threats, cultural perspectives, conservation values and ethics, as well as pertinent management considerations. Through these activities, the program not only imparts valuable knowledge but also encourages a sense of responsibility and active involvement in the conservation of these remarkable native species

# Hi, my name is Frankie!

Follow me as I fly through the forest and learn about how important Flying-Foxes are to our whole ecosystem. I'll be your guide through this information kit.

Welcome to our engaging learning units of study that will take students on an exciting journey into the fascinating world of flying-foxes. In these units, our focus will be on visiting a local flying-fox roost site, providing a unique opportunity for hands-on exploration and discovery. By delving into the intricacies of these roosts, students will gain firsthand insights into the habitats, behaviours, and ecological importance of these remarkable creatures. Through a carefully designed curriculum, the aim is to not only enhance their understanding of bat biology but also foster a deep appreciation for the critical role bats, and flying-fox in particular, play in the broader ecosystem. Get ready for an immersive learning experience that brings the classroom outdoors and opens the door to the captivating world of local flying-fox roosts.

## Before You Begin

General information
- Pre-visit (k)

Welcome to our engaging learning units of study that will take students on an exciting journey into the fascinating world of flying-foxes. In these units, \*our focus will be on visiting a local flying-fox roost site, providing a unique opportunity for immersive exploration and discovery.

By delving into the intricacies of these roosts, students will gain firsthand insights into the habitats, behaviours, and ecological importance of these remarkable creatures. Through a carefully designed curriculum, the aim is to not only enhance their understanding of bat biology but also foster a deep appreciation for the critical role bats, and flying-fox in particular, play in the broader ecosystem. Get ready for an immersive learning experience that brings the classroom outdoors and opens the door to the captivating world of local flying-fox roosts.



Planning your Roost Site visit ahead of time is crucial for keeping humans, flying-foxes and the ecosystem safe and healthy. Minimising disruptions to flying-fox roosts, particularly during the breeding season is important to avoid negative impacts on pregnant flying-foxes and the ecosystem. Here are some safety considerations:

#### Safety on site

#### Keeping people safe:

- · Complete a thorough risk assessment documentation.
- Carry a first aid kit and have an adult team member with appropriate qualifications.
- Familiarise excursion staff with the medical status
  of students, especially regarding epilepsy, diabetes,
  asthma, and heart conditions. Additionally, make staff
  aware of students with behavioural issues or those
  requiring extra support, along with the corresponding
  support strategies.
- Ensure that all participating staff, including the school contact person, understand their specific roles and are familiar with the program itinerary, risk management plans, and emergency response plan.
- Ensure students are dressed appropriately for weather conditions and adhere to sun-safety practices.
- Be vigilant about pathways and roadways, monitoring for vehicular traffic.
- Recognise that these are public spaces, acknowledging the presence of other people and dogs in parks/ reserves.
- Maintain supervision ratios of 1:5 for Year 3 students and 1:10 for Years 4-8.
- Distribute Roost Maps to all adults.
- Obtain written or electronic consent from parents/ carers for the school excursion.
- Choose an appropriate mode of transport for easy site access. Consider the condition of the track, the vehicle, the weather (muddy ground or steep slope slip risks etc. Is walking part of the way feasible? This can be a good opportunity to make some observations.

#### Keeping flying-foxes safe:

- Minimise disruptions to flying-fox roosts, particularly during the breeding season to avoid any negative impact on pregnant flying-foxes.
- Be mindful and respectful when visiting a roost site Flying-foxes are wild animals and can be sensitive to noise or disturbances.
- Instruct students not to feed or disturb animals at the roost site, emphasising the potential harm of human food to wildlife.



If you find an injured flying-fox – do not attempt to touch – contact the appropriate authorities. Contact the RSPCA hotline (1300 264 625) for a trained and vaccinated carer.

See "Roost Excursion Notes" factsheet in Teacher's Guide for more information.

#### Remember:

'Leave No Trace' in wild places.

Encourage students to bring waste-free lunches, especially in parks/reserves without waste bins.



Those Magnificent Flying Mammals

#### Planning your flying-fox roost visits

#### Consider the timing of your roost visit

Although a wild animal, flying-foxes do follow a familiar pattern of behaviour. The table below indicates the typical breeding cycles for flying-foxes seen in South East Oueensland.

Note, these timeframes may vary considerably in response to changes in the weather and other



#### Flying-fox Reproduction Cycle

Although a wild animal, flying-foxes do follow a familiar pattern of behaviour. The table below indicates the typical breeding cycles for flying-foxes seen in South East Queensland. Note, these timeframes may vary considerably in response to changes in the weather and other conditions. **Species** Grey-headed Flying-fox Black Flying-fox Little Red Flying-fox Peak Conception/ Mating Lactation - milk production for pups Final trimester of pregnancy Creching - young left at roost Birthing of pups

#### Pre-visit activities & discussion points

These pre-visit activities aim to enhance students' understanding, curiosity, and appreciation for flying-foxes and their ecosystems before embarking on the roost site visit.

Explore Sunshine Coast Council's BatMap website to determine flying-fox roosts closest to your school grounds. Discuss geographical for flying foxes. Look at the flying-fox species and numbers listed from monitoring over time at

Research and gather information about these flying-fox species, their behaviours, and their ecological significance. Create identification guides for different species of flying-foxes, focusing on distinctive features and

As a group, listen to "BatPod" - a "choose your own adventure" style interactive and make decisions collectively as you progress through the series.

Discuss your upcoming visit with the wider school community, family and friends, raising awareness about flying-fox conservation and promoting community engagement.

Learn the practice of nature journaling, wildlife and plants in the lead-up to the visit.

flying-foxes and the importance of their role in the ecosystem? Explore local flora and fauna, focusing on species that may interact with flying-foxes or share their habitat.

Connect with local wildlife experts, ecologists, or conservationists - either virtually or in-person interviews - to provide for injured flying-fox and conservation efforts.





Sunshine
Coast
flying-fox
roost sites for
school visits

During the roost visit, students will actively engage in a variety of hands-on activities designed to deepen their understanding of flying-foxes and their habitats.

These on-site experiences aim to foster direct connections with nature, promote scientific observation skills, and instill a sense of responsibility towards wildlife conservation. Through these activities, students will have the opportunity to explore the rich biodiversity of the roost site, enhance their ecological awareness, and develop a profound appreciation for the vital role flying-foxes play in sustaining our local ecosystems.



2 Those Magnificent Flying Mammals!

These on-site experiences aim to foster direct connections with nature, promote scientific observation skills, and instil a sense of responsibility towards wildlife conservation. Through these activities, students will have the opportunity every scenario, a variety of choices are outlined below. to explore the rich biodiversity of the roost site, enhance their ecological awareness, and develop a profound appreciation for the vital role flying-foxes play in sustaining our local ecosystems.

The Sunshine Coast Council has a diverse set of options for managing flying-fox roosts on public and councilmanaged land. While not every option may be suitable for Importantly, all the management options listed align with the Code of Practice for the Ecologically Sustainable Management of Flying-fox Roosts.



Are flying-foxes present in the roost? Take a close look; they might be centrally located or nestled within denser vegetation. Consider whether you heard or smelled them before spotting them. Observe their behaviour. Attempt to estimate their numbers and engage in discussions on effective techniques for counting these animals, especially when they are in motion.

Document the native vegetation observed at the roost using the provided list. Identify which species are currently in flower during your visit. Explore the various animal species, including insects, mammals, and birds, that are reaping the benefits of this flowering. Delve into the advantages these plant-animal interactions offer to the plants themselves.

Start your roost visit by creating a yarning circle with your classmates. Visiting a flying-fox roost site is a unique and educational experience for school groups. As we explore these natural habitats, it is important to recognise and honour the Aboriginal and Torres Strait Islander cultures and traditions that have existed on this land for thousands of years. One way to do this is by performing an Acknowledgement to Country.

Contemplate these roost sites as habitats hosting a diverse range of plants, fungi, and animals. What intricate food webs do you believe are present in this environment?



https://inaturalist.ala.org.au/projects/bats-inbackyards-flying-fox-watch



Document the bird species observed and their vocalisations at the roost site. Are there any visible indications of nesting activity?

Flying foxes often choose roost locations in proximity to water bodies. Can you recognise the waterway near the roost site? Describe its appearance, considering whether it appears natural or is confined within concrete drains. Discuss the reasons for such appearances, such as managing water flow in the landscape, safeguarding local residences from floods, and ensuring safety. Explore the potential impacts on wildlife connected to these different waterway features.

Record your flying-fox sightings on the "Bats in Backyards" citizen science program see Teachers Guide for more information.

Use your nature journaling skills you developed before the visit, to record the roost site. Consider the layers of vegetation i.e., look at the groundcovers, ferns, shrubs and taller trees. Record animals you see, note the weather and record how you feel in this natural space.



See individual sites for more discussion points.

Here are four roost sites on the Sunshine Coast suitable for school visits

To learn more about an
Acknowledgement of Country
or making a Yarning Circle,
see the appendices in the
Teacher's Guide for more.

Andrea Ahern Bushland Park......18

Teranna St, Battery Hill. Grey-headed Flying Fox (GHFF) Black Flying Fox (BFF)

Emerald Woods Environmental Area.....22

Goonawarra Drive, Mooloolaba.

Grey-headed Flying Fox (GHFF)
Black Flying Fox (BFF)
Little Red Flying Fox (LRFF)

Kuluin Neighbourhood Park......26

Tallow Wood Dr, Kuluin.

Grey-headed Flying Fox (GHFF) Black Flying Fox (BFF)

Tesch Park......30

Coral St, Maleny

Grey-headed Flying Fox (GHFF) - *Nationally significant maternity site* Black Flying Fox (BFF)



#### **Andrea Ahern Bushland Park**

#### **Getting There**

#### Address:

Teranna St, Battery Hill Caloundra

#### Recommended parking:

Buses and cars can be parked on the edge of the road directly adjacent to the playground on Teranna St, Battery Hill

#### **Amenities:**

- Shade
- Playground
- Rubbish bins
- Pathways

NB: no toilets on site (nearest public toilets would be at Eleanor Shipley Park - 5 min drive)



#### Pathway:

- Primary path sealed a one way path from Terrana St to Beerburrum St. Approx 380m.
- Secondary path mown grass track access from Cooroora St. - access past the locked vehicle gate. Approx 70m.

#### Discussion points:

- Flying-foxes like to roost around waterways. Find the waterway running through the Andrea Ahern Bushland Park. How natural does it look?
- · Can you identify the key plant species in the Andrea Ahern Bushland Park that might be good food sources for flying-foxes? Look for nectar producing flowers/blossoms.
- There are some big Scribbly Gums, Eucalyptus racemosa, trees in the Andrea Ahern Bushland Park. How old do you think they are? Can you see the hollows? These are often used as nesting spaces for hollow dependent species. Find out about local species that use these hollows. What is the relationship between them and the flying-fox at this roost in terms of food sources and pollination?
- Explore this area using aerial maps where would flying-fox fly to find other food sources?

#### Andrea Ahern Bushland Park

#### Vegetation present



Macaranga tanarius



**Scribbly Gum** Eucalyptus racemosa



Alphitonia excelsa



Lomandra hystrix



Melaleuca quinquenervia



Piccabeen Palm Archontophoenix cunninghamiana



Soft Bracken Fern Calochlaena dubia



Acacia cincinnata



**Brush Box** Lophostemon confertus



**Cabbage Tree Palm** Livistona australis



Kookaburra Dacelo novaeguineae



**Water Dragon** Intellagama lesueurii



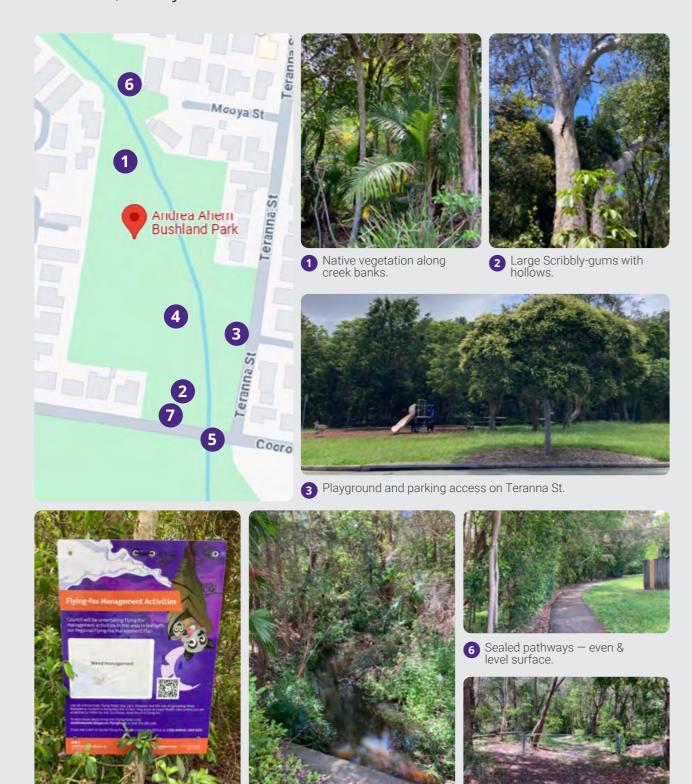
Archontophoenix cunninghamiana



Honeyeater Entomyzon cyanotis

#### **Andrea Ahern Bushland Park**

#### Teranna St, Battery Hill



**5** Creek contained in drain system.

**7** Gate access from Cooroora St. Mowed paths to FF location.

#### Teranna St, Battery Hill

**Andrea Ahern Bushland Park** 

#### **Exploring flying-fox** monitoring online with Council's BatMap website

Flying-fox species present:



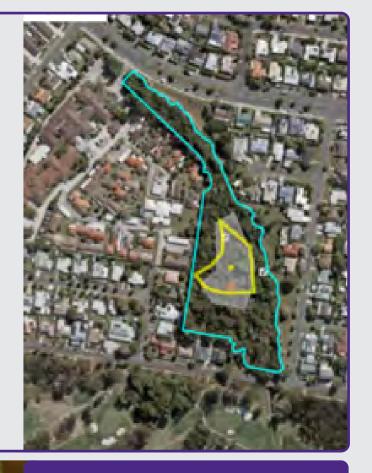


Grey-headed Flying-fox

Black Flying-fox



https://www.sunshinecoast.qld.gov.au/ environment/native-animals/flying-foxes



#### **Instructions:**

- Orange circle show roost sites across the Sunshine Coast council region.
- Yellow circles show recent monitoring/ counting of Flying-fox
- Explore roosts around your school. Are there any? What species of flying-fox are seen
- Type into the search bar the roost site i.e. Andrea Ahern Bushland Park.
- Click on the yellow circle this will show the most recent flying-fox monitoring - with a count of each species seen and location of where flying-fox are within the roost site.



4 SC Council FF Management

#### **Emerald Woods Environmental Area**

#### **Getting There**

#### Address:

Goonawarra Dr. Mooloolaba

Amarina Ave, Mooloolaba

#### Recommended parking:

Buses and cars can be parked on the edge of the road on Tallow Wood Drive.

#### **Amenities:**

- Shade
- Playground
- Rubbish bins
- Pathways

NB: no toilets on site (nearest public toilets would be at 1 Syd Lingard Drive - approx. 5 mins drive away)



#### Pathway:

• Pathway - sealed - a one way path - from Amarina Ave to Goonawarra Dr - approx. 1.3kms.

NB: no direct access from Goonawarra entry to Amarina Ave entry - only the pathway around the entire Environmental Area.

#### Discussion points:

- · Flying-foxes like to roost around waterways. Find the waterway running through the Emerald Woods Environmental Area. How natural does it look?
- Can you identify the key plant species in the Environmental Area that might be good food sources for flying-fox? Look for nectar producing flowers/blossoms.
- There is a large swampy area within the centre of the Emerald Woods Environmental Area. What other animal species would call this habitat home?
- · This area supports a large number of bird species make a list of what you see and hear. What is the relationship between these species and flying-foxes? Consider shared food sources, pollination and space for nesting/roosting.
- Explore this area using aerial maps where would flying-fox fly to find other food sources?
- Did you hear the traffic on the nearby Sunshine Motorway that borders the Emerald Woods Environmental Area? What impact might this have on flying-fox and other animals?
- · There are many houses around the Emerald Woods Environmental Area and these residents may be affected by the presence of flying-fox. What could be the issues? Explore ways Sunshine Coast Council has been managing this space to encourage peaceful co-existence.

#### **Emerald Woods Environmental Area**

#### Vegetation present



Macaranga tanarius



**Scribbly Gum** Eucalyptus racemosa



Lomandra hystrix



Piccabeen Palm

Archontophoenix

cunninghamiana

Soft Bracken Fern Calochlaena dubia



Elaeocarpus grandis





Syzygium species



Lophostemon confertus



**Cabbage Tree Palm** Livistona australis





Glochidion ferdinandi Melaleuca quinquenervia



**Coil Pod Wattle** Acacia cincinnata



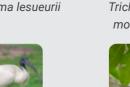
Cotton Tree Hibiscus tiliaceus



Kookaburra Dacelo novaeguineae



**Water Dragon** Intellagama lesueurii



Threskiornis molucca



Rainbow Lorikeet Trichoglossus moluccanus



Manorina melanocephala



Blue Faced Honeyeater Entomyzon cyanotis

#### **Emerald Woods Environmental Area**

Goonawarra Dr & Amarina Ave, Mooloolaba





• Native vegetation along creek banks and swamp area.



1 Entry at Amarina Ave.



2 Entry at Goonawarra Dr





5 SC Council FF Management



6 Native vegetation along pathway.

#### **Emerald Woods Environmental Area**

Goonawarra Dr & Amarina Ave, Mooloolaba

**Exploring flying-fox** monitoring online with Council's BatMap website

Flying-fox species present:







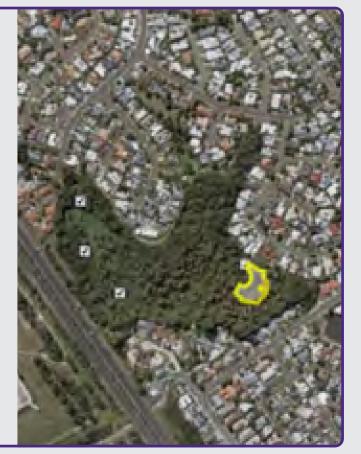
Grey-headed Flying-fox

Black Flying-fox

Flying-fox



https://www.sunshinecoast.qld.gov.au/ environment/native-animals/flying-foxes



#### **Instructions:**

- Orange circle show roost sites across the Sunshine Coast council region.
- Yellow circles show recent monitoring/counting of Flying-fox
- Explore roosts around your school. Are there any? What species of flying-fox are seen there?
- Type into the search bar the roost site i.e. Emerald Woods Environmental Area.
- Click on the yellow circle this will show the most recent flying-fox monitoring - with a count of each species seen and location of where flying-fox are within the roost site.

3 Tall gum trees

#### **Kuluin Neighbourhood Park**

#### **Getting There**

#### Address:

82 Tallow Wood Drive Kuluin

#### Recommended parking:

Buses and cars can be parked on the edge of the road on Tallow Wood Drive.

# Carl Galar Carried of States (State Carried of States (State Carried of States (State Carried of States (State Carried of States (States Carried of States Carried of States (States Carried of States (States Carried of States (States Carried of States (States Carried of States Carried of States (States (States Carried of States (States (States Carried of

#### **Amenities:**

- Shade
- Playground
- Rubbish bins
- · Picnic table and chairs
- Pathways

#### Pathway:

• Sealed - circular path - approx. 800m return

NB: no toilets on site (nearest public toilets would be at Lions Park, 107 Fishermans Rd - approx. 5 mins away).

#### Discussion points:

- Flying-foxes like to roost around waterways. Find the waterway running through the Kuluin Neighbourhood Park. How natural does it look?
- Can you identify the key plant species in the Kuluin Neighbourhood Park that might be good food sources for flying-fox? Look for nectar producing flowers/blossoms.
- There is a small swampy area within the Kuluin Neighbourhood Park. What other animal species would call this habitat home?
- This area supports a number of bird species make a list of what you see and hear. What is the relationship between these species and flying-foxes? Consider shared food sources, pollination and space for nesting/ roosting.
- Explore this area using aerial maps where would flying-fox fly to find other food sources?
- There are many houses around the Kuluin Neighbourhood Park and these residents may be affected by the presence of flying-fox. What could be the issues? Explore ways Sunshine Coast Council has been managing this space to encourage peaceful co-existence.
- Did you hear the traffic on the nearby Maroochydore Road that borders the Kuluin Neighbourhood Park? What impact might this have on flying-fox and other animals?

#### **Kuluin Neighbourhood Park**

#### Vegetation present



Macaranga Macaranga tanarius



Cheese Tree
Glochidion ferdinandi



**Red Ash**Alphitonia excelsa



Mat Rush Lomandra hystrix



Piccabeen Palm Archontophoenix cunninghamiana



Paper Bark
Melaleuca quinquenervia



Brush Box Lophostemon confertus



Waterhousea Waterhousea floribunda



**Kookaburra**Dacelo novaeguineae



**Water Dragon** Intellagama lesueurii



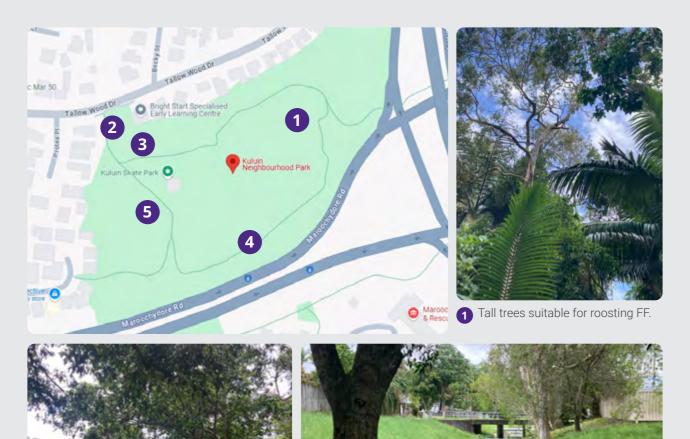
Rainbow Lorikeet
Trichoglossus
moluccanus



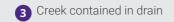
Noisy Minor Manorina melanocephala

#### **Kuluin Neighbourhood Park**

Tallow Wood Drive, Kuluin



2 Entry from Tallow Wood Dr.





4 Tree planting around pathway edge



5 SC Council FF Management sign

#### **Kuluin Neighbourhood Park**

Tallow Wood Drive, Kuluin

Exploring flying-fox monitoring online with Council's BatMap website

Flying-fox species present:



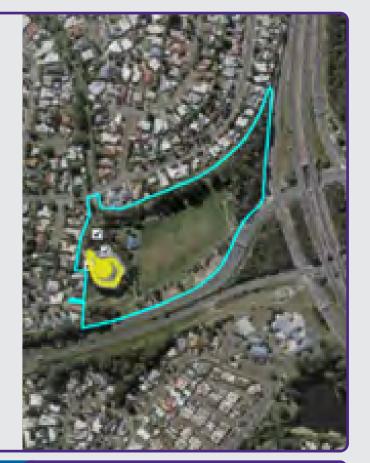


Grey-headed Flying-fox

Black Flying-fox



https://www.sunshinecoast.qld.gov.au/environment/native-animals/flying-foxes





#### **Instructions:**

- Orange circle show roost sites across the Sunshine Coast council region.
- Yellow circles show recent monitoring/ counting of Flying-fox
- Explore roosts around your school. Are there any? What species of flying-fox are seen there?
- Type into the search bar the roost site i.e. Kuluin Neighbourhood Park.
- Click on the yellow circle this will show the most recent flying-fox monitoring - with a count of each species seen and location of where flying-fox are within the roost site.

#### **Tesch Park**

#### **Getting There**

#### Address:

Coral St, Maleny

NB: the area where the Flying-fox roost is locally known as Pecan Park.

#### Recommended parking:

Buses and cars can be parked on the edge of the road on Coral St. Students can be dropped off at a dedicated bus-stop in front of Tesch Park on Coral St.

#### **Amenities:**

- Shade
- Playground
- Rubbish bins
- Pathways
- Toilets
- · Drinking water

# Largeword 2 Contract of the C

#### Pathway:

• Sealed - circuit pathway - approx. 500m return.

#### Discussion points:

- Flying-foxes like to roost around waterways. Find the waterway running through Tesch Park. How natural does it look? Does the creek have a name? What's the significance of the name?
- Can you identify the key plant species in Tesch Park that might be good food sources for flying-fox? Look for nectar producing flowers/blossoms. What other animals would also use these food sources?
- This site has a "Nationally Significant Roost" classification. Why do you think a flying-fox roost site is considered 'Nationally Significant'? What factors or characteristics do you think make it important on a national scale?
- This area supports a number of bird species make a list of what you see and hear. What is the relationship between these species and flying-foxes? Consider shared food sources, pollination and space for nesting/roosting.
- Explore this area using aerial maps where would flying-fox fly to find other food sources?
- This roost impacts neighbouring residents and businesses. What do you think would be the issues? Explore ways Sunshine Coast Council has been managing this space to encourage peaceful co-existence.

#### **Tesch Park**

#### Vegetation present



Macaranga Macaranga tanarius



Waterhousea Waterhousea floribunda



Mat Rush Lomandra hystrix



**Piccabeen Palm** Archontophoenix cunninghamiana



Creek Lillypilly Acmena smithii



Blue Quandong
Elaeocarpus grandis



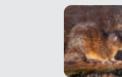
**Kookaburra**Dacelo novaeguineae



**Water Dragon** Intellagama lesueurii



Rainbow Lorikeet Trichoglossus moluccanus



Water Rat
Hydromys
chrysogaster



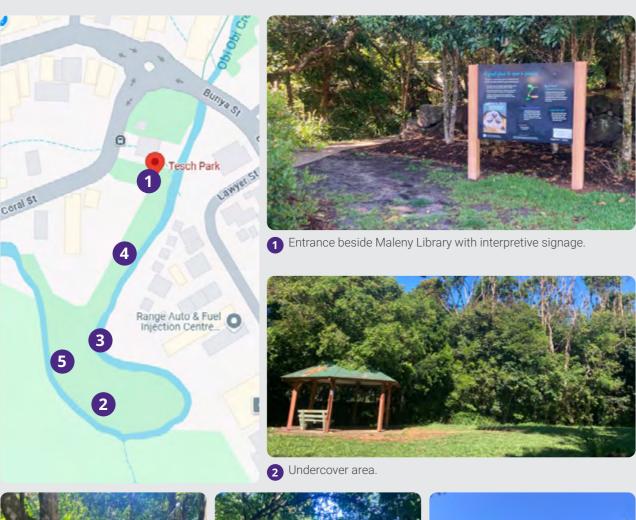
Platypus Ornithorhynchus anatinus



Mountain
Brushtail Possum
Trichosurus
cunninghami

#### **Tesch Park**

#### Coral St, Maleny









3 Obi Obi creek.

4 Pathway beside creek.

Pathway framed with blackbean, Waterhousea, sandpaper fig and White Bollygum trees.

#### **Tesch Park**

Coral St, Maleny

**Exploring flying-fox** monitoring online with Council's BatMap website

Flying-fox species present:





Grey-headed Flying-fox

Flying-fox



https://www.sunshinecoast.qld.gov.au/ environment/native-animals/flying-foxes



#### **Instructions:**

- Orange circle show roost sites across the Sunshine Coast council region.
- Yellow circles show recent monitoring/ counting of Flying-fox
- Explore roosts around your school. Are there any? What species of flying-fox are seen
- Type into the search bar the roost site i.e. Tesch Park
- Click on the yellow circle this will show the most recent flying-fox monitoring - with a count of each species seen and location of where flying-fox are within the roost site.



# Post-visit activities & discussion points

These post-visit activities aim to reinforce learning, stimulate creativity, and encourage students to take active roles in conservation and community engagement based on their experiences at the flying-fox roost site.



Create Nature Reflection Journals and document your experiences, observations, and feelings during the roost visit. This activity helps reinforce what you have learned and fosters a deeper connection to nature. There are many creative ways to express this connection - including drawing, painting, writing poems, or even creating short plays related to flying-foxes and their habitat.

Did you collect any data during the roost visit? This could include bird species counts, observations of flying-fox behaviour, or environmental data. How can these observations be represented to share with others?

Create a community awareness campaign to raise awareness in your school or local community about the importance of flying-foxes. This could involve creating posters, organising presentations, or initiating discussions to share knowledge gained from the roost visit.

Become environmental stewards
by organising a habitat restoration project.
Participate in planting native vegetation, creating
bird or bat boxes, or engaging in other activities
that contribute to the well-being of the local
ecosystem.

Arrange for a guest speaker, such as a wildlife biologist, conservationist, or local environmental expert, to talk to you (and the wider school community) about the broader context of flying-fox conservation. This will connect your roost visit to larger conservation efforts.

Make a "Promise to Frankie" and encourage others to join in the movement - display in a public space.







#### What is your "Promise to Frankie"?

Meet Frankie, the charismatic flying-fox mascot from Sunshine Coast Council, on a mission to inspire positive change! Make a promise to Frankie and join the movement for environmental stewardship.

Pledge to protect our unique flying-fox friends and their habitats and embark on a journey of discovery and responsibility. Your commitment to Frankie's cause not only nurtures a deeper understanding of our natural world but also contributes to the collective effort in safeguarding the Sunshine Coast's ecological treasures.

Together, let's soar towards a future where every promise to Frankie becomes a powerful act of conservation and a step towards a sustainable, harmonious environment.

Now that we've learned, observed and understood, what are practical ways we could take action?

Check out the "Creative Projects to share Flying-fox Information" factsheet in the Teacher's Guide for even more engaging ideas!



**Those Magnificent Flying Mammals!** Bat Education Kit – Field Guide - Booklet 3





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