



ClimateWatch Trail Pocket Guide

Piney Lakes Reserve



ClimateWatch
an initiative of Earthwatch Institute

Make a difference
to the future of
our planet.
**Become a
ClimateWatcher.**

Become a citizen scientist with ClimateWatch

Suburban streets, parks, backyards and bushland—nature is all around us. We are calling on you to take notice of what's happening in your neighbourhood and record what you see online. To make it easy we have selected 12 species you can find at Piney Lakes Reserve. When you see these species at the different sites on the map make a note of what you see. Then when you get back to a computer you can upload your data quickly, easily and accurately.

Become a regular ClimateWatcher and together with the rest of the nation, help scientists shape Australia's response to climate change.

**To register to become a ClimateWatcher
visit www.climatewatch.org.au**

About Piney Lakes Reserve

Piney Lakes Environmental Education Centre is situated at the northern end of Piney Lakes Reserve, in the City of Melville. The education centre is on remnant bushlands that form part of the Beeliar Regional Park on the Swan Coastal Plain. It is surrounded by urban development in the suburb of Winthrop.

The reserve comprises 50ha of bushland and wetland environments and 17ha of developed parklands to the south and west.

There are at least 110 species of native flora in the reserve, making this an ideal location for observations of wildlife in a suburban bushland setting.

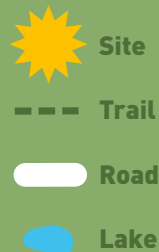
**For more information visit
[www.melvillecity.com.au/
environment/piney-lakes](http://www.melvillecity.com.au/environment/piney-lakes)**

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PATERSON GDNS

Piney Lakes Reserve

Neumann Gr



Date: _____

Time: _____



Marri
Corymbia callophylla

Photo by Rich Weatherill

Site A End of carpark

Site E Look east

What did you see? (please tick)

A E

- ☐ ☐ First fully open single flower
- ☐ ☐ Full flowering
- ☐ ☐ End of flowering (when 95% of the flowers have faded)

When to look: December to May

A close-up photograph of several bright yellow, cylindrical flower spikes of a Slender banksia (Banksia attenuata) against a background of green foliage and branches. The flowers are in various stages of bloom, with some showing individual stamens.

Site B Firebreak

What did you see? (please tick)

- ☐ First fully open single flower
- ☐ Full flowering
- ☐ End of flowering
(when 95% of the flowers have faded)
- ☐ Fruit fully ripened

Slender banksia
Banksia attenuata

When to look: November to January

Photo by Caroline Canham



Site B Firebreak

What did you see? (please tick)

- ☐ First fully open single flower
- ☐ Full flowering
- ☐ End of flowering
(when 95% of the flowers have faded)

Native buttercups
Hibbertia hypericoides

When to look: April to December

Photo by Rich Weatherill



Site C Look south

What did you see? (please tick)

- ☐ First fully open single flower
- ☐ Full flowering
- ☐ End of flowering
(when 95% of the flowers have faded)

Wild gladiolus

Gladiolus caryophyllaceus

When to look: August to October

Photo by Rich Weatherill



Christmas tree
Nuytsia floribunda

Photo by William Archer

Site C North and
South of the Firebreak

Site E Look east

Site F Look north

What did you see? (please tick)

C

E

F



First fully open single flower



Full flowering



End of flowering (when 95%
of the flowers have faded)

When to look: October to January



Native Wisteria

Hardenbergia comptoniana

Photo by Rich Weatherill

Site E On the fence

What did you see? (please tick)

- ☐ First fully open single flower
- ☐ Full flowering
- ☐ End of flowering
(when 95% of the flowers have faded)
- ☐ Open seed pods

When to look: July to October



Motorbike frog

Litoria moorei

Photo by Nicola Mitchell

Site F Man-made wetland

Site G Natural Wetland

What did you see/hear?

(please tick)

F G



Calling



Courting/mating



The appearance of eggs

When to look/listen:

September through to April



Australian magpie
Cracticus tibicen

Site H Piney Lakes Environmental Education Centre/Reserve

How many did you see?

(please tick)

- ☐ 1 ☐ Few ☐ More than 10

What did you see? (please tick)

- | | |
|---|---|
| <input type="radio"/> Courting/
mating | <input type="radio"/> Bird on eggs |
| <input type="radio"/> Calling | <input type="radio"/> Bird on nest |
| <input type="radio"/> Feeding | <input type="radio"/> Bird feeding
young |
| <input type="radio"/> Bird on chicks | |

When to look: June to December



Splendid fairy-wren
Malurus splendens

Photo by Chris Tate

Site H Piney Lakes Environmental Education Centre/Reserve

How many did you see?

(please tick)

- ☐ 1 ☐ Few ☐ More than 10

What did you see? (please tick)

- | | |
|---|---|
| <input type="radio"/> Courting/
mating | <input type="radio"/> Bird on eggs |
| <input type="radio"/> Calling | <input type="radio"/> Bird on nest |
| <input type="radio"/> Feeding | <input type="radio"/> Bird feeding
young |
| <input type="radio"/> Bird on chicks | |

When to look: August to April



White-cheeked honeyeater
Phylidonyris nigra

Photo by Marj Kibby

Site H Piney Lakes Environmental Education Centre/Reserve

How many did you see?

(please tick)

- ☐ 1 ☐ Few ☐ More than 10

What did you see? (please tick)

- | | |
|---|---|
| <input type="radio"/> Courting/
mating | <input type="radio"/> Bird on eggs |
| <input type="radio"/> Calling | <input type="radio"/> Bird on nest |
| <input type="radio"/> Feeding | <input type="radio"/> Bird feeding
young |
| <input type="radio"/> Bird on chicks | |

When to look: August to November



Willie wagtail
Rhipidura leucophrys

Photo by Chris Tate

Site H Piney Lakes Environmental Education Centre/Reserve

How many did you see?

(please tick)

- ☐ 1 ☐ Few ☐ More than 10

What did you see? (please tick)

- | | |
|---|---|
| <input type="radio"/> Courting/
mating | <input type="radio"/> Bird on eggs |
| <input type="radio"/> Calling | <input type="radio"/> Bird on nest |
| <input type="radio"/> Feeding | <input type="radio"/> Bird feeding
young |
| <input type="radio"/> Bird on chicks | |

When to look: August to February,
although it can nest all year



Site H Piney Lakes
Environmental Education
Centre/Reserve

How many did you see?

(please tick)

- ☐ 1 ☐ Few ☐ More than 10

What did you see? (please tick)

- ☐ Feeding ☐ Hatched eggs
☐ Basking ☐ Presence of juveniles
☐ Courting/
mating

Bobtail
Tiliqua rugosa

Photo by William Archer

When to look: September to April

RioTinto



ClimateWatch is an Earthwatch initiative.

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An Inspiring Australia initiative.

climatewatch.org.au

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