

HAIG PARK



ACT
Government

Speaker series

Monday 5 June 2017,
6:30 - 8:30pm

Agenda

6:30

Introduction
Project Team

6:40

Climate Change
Dr Sophie Lewis

7:45

BREAK

7:00

Biodiversity
Dr Michael Mulvaney`

8:00

Panel Discussion

7:15

Tree Management and Maintenance
Mr Michael Brice`

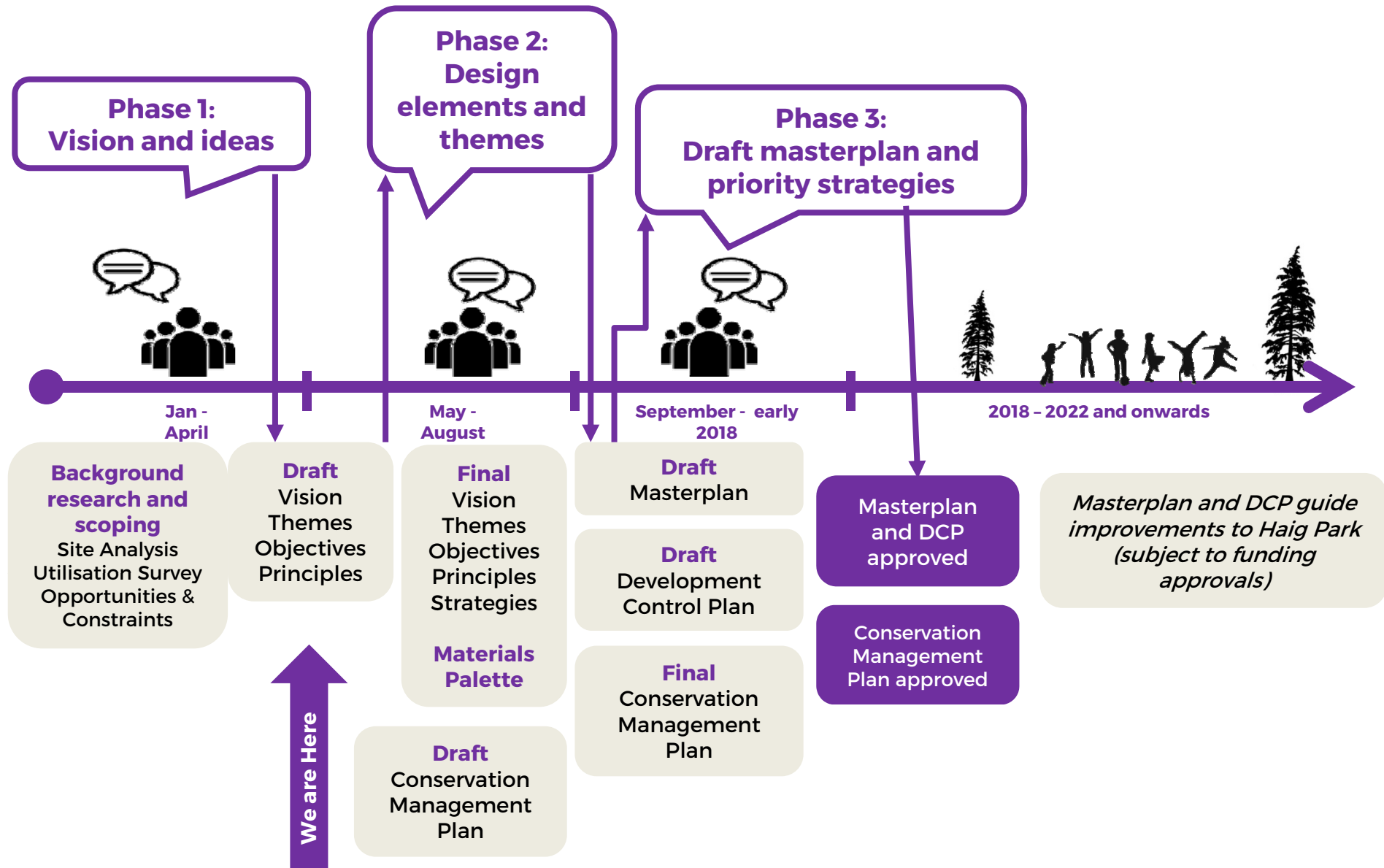
7:30

Heritage
Ms Nicola Hayes

8:30

Close

Haig Park Masterplan Process



All timings are indicative as of May 2017.

Project Timeline

Jan- March
2017

Phase 1 Vision and Ideas

Identify and understand stakeholders and community views, issues and aspirations for Haig Park.

May - June
2017

Phase 2 Design Elements

Test and review preliminary design elements for the Haig Park Masterplan through a community workshop, drop-in sessions and online.

Late 2017

Phase 3 Draft masterplan

Draft Haig Park Masterplan released for public feedback.

Early 2018

Final Haig Park Masterplan

Presented to ACT Government for final approval.

Project Timeline

Today: Speaker Series

Get more information on specific areas of interest in the park. Share knowledge and understanding of the Haig Park context.

**WE
ARE
HERE**

Jan- March
2017

Phase 1 Vision and Ideas

Identify and understand stakeholders and community views, issues and aspirations for Haig Park.

May - June
2017

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Test and review preliminary design elements for the Haig Park Masterplan through a community workshop, drop-in sessions and online.

Late 2017

Phase 3 Draft designs

Draft design guide and elements released for public feedback.

Early 2018

Final Haig Park Masterplan

Presented to ACT Government for final approval.

The Community Vision for Haig Park



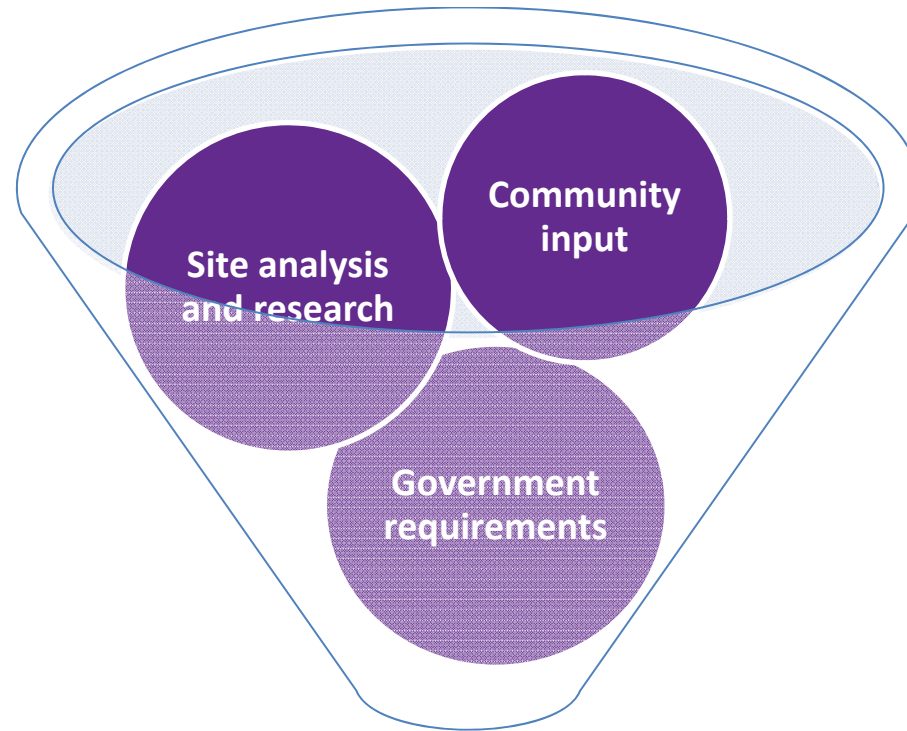
Phase 1

*Vision and
ideas*



(In 2022) Haig Park is a vibrant and inclusive urban park that provides a series of spaces for passive and active enjoyment, and opportunities to connect to the heritage of the park. Used by the whole community, it is a place for social and cultural exchange.





Masterplan themes





Edges



Park
Rooms



Phase 2

Design ideas

Activities



Pathways



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Break

Don't forget to have your say on the draft design ideas for Haig Park

To view draft design ideas for the park and have your say, visit the **www.yoursay.act.gov.au/haigpark** from now until 23 June 2017. Take the online survey, participate in the online discussion forum, attend a drop-in consultation session or send the community engagement team an email with your feedback.

Drop-in sessions are scheduled for:

Thursday 8 June 3.30-5pm

Location: O'Connor shops

Saturday 17 June 9.30-11am

Location: Lonsdale Street entrance to Haig Park, Braddon

For more information on the project email
EDcommunity@act.gov.au or call **13 22 81**

ACT GOVERNMENT

E: EDCommunity@act.gov.au

P: 13 22 81



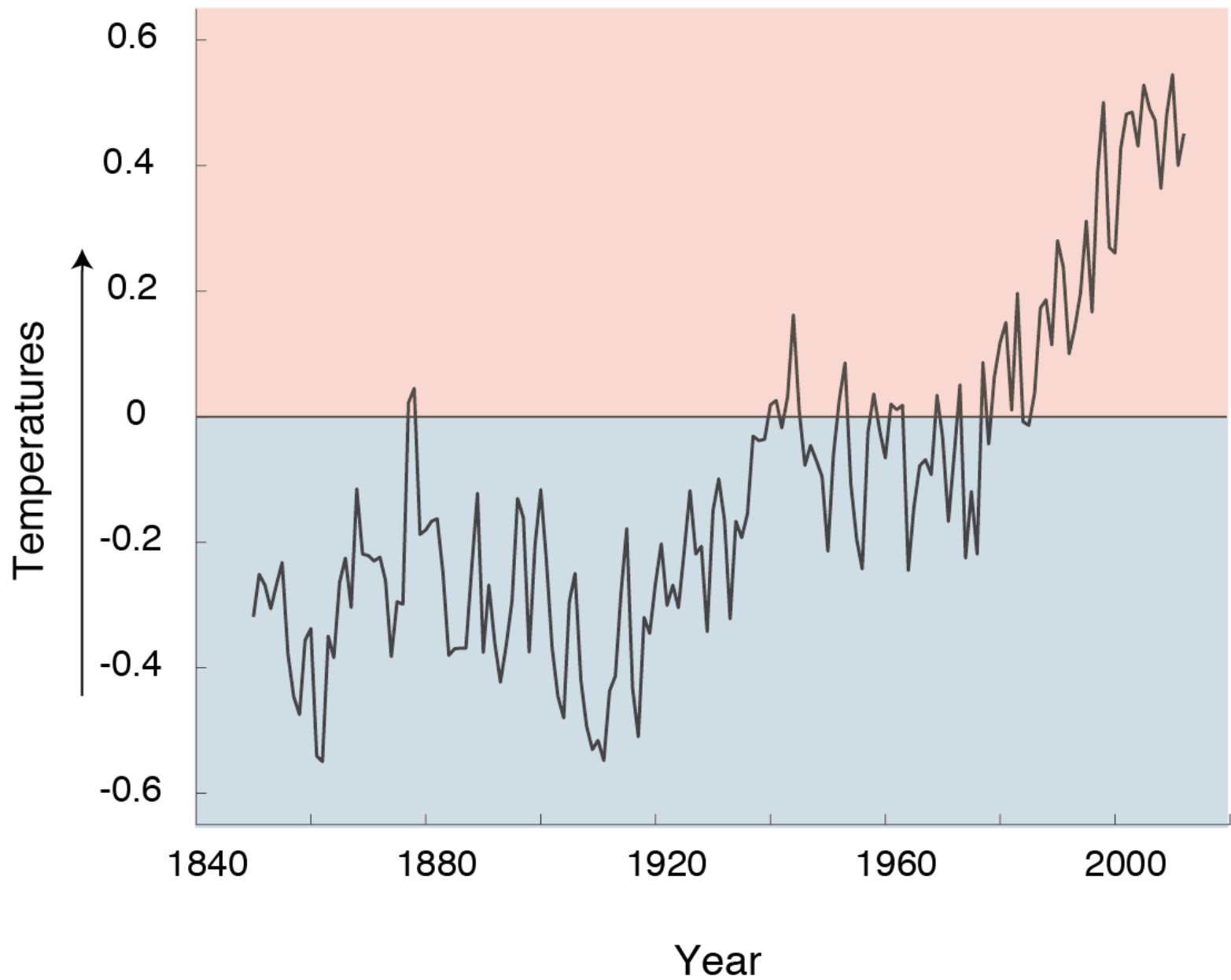


Canberra's changing climate

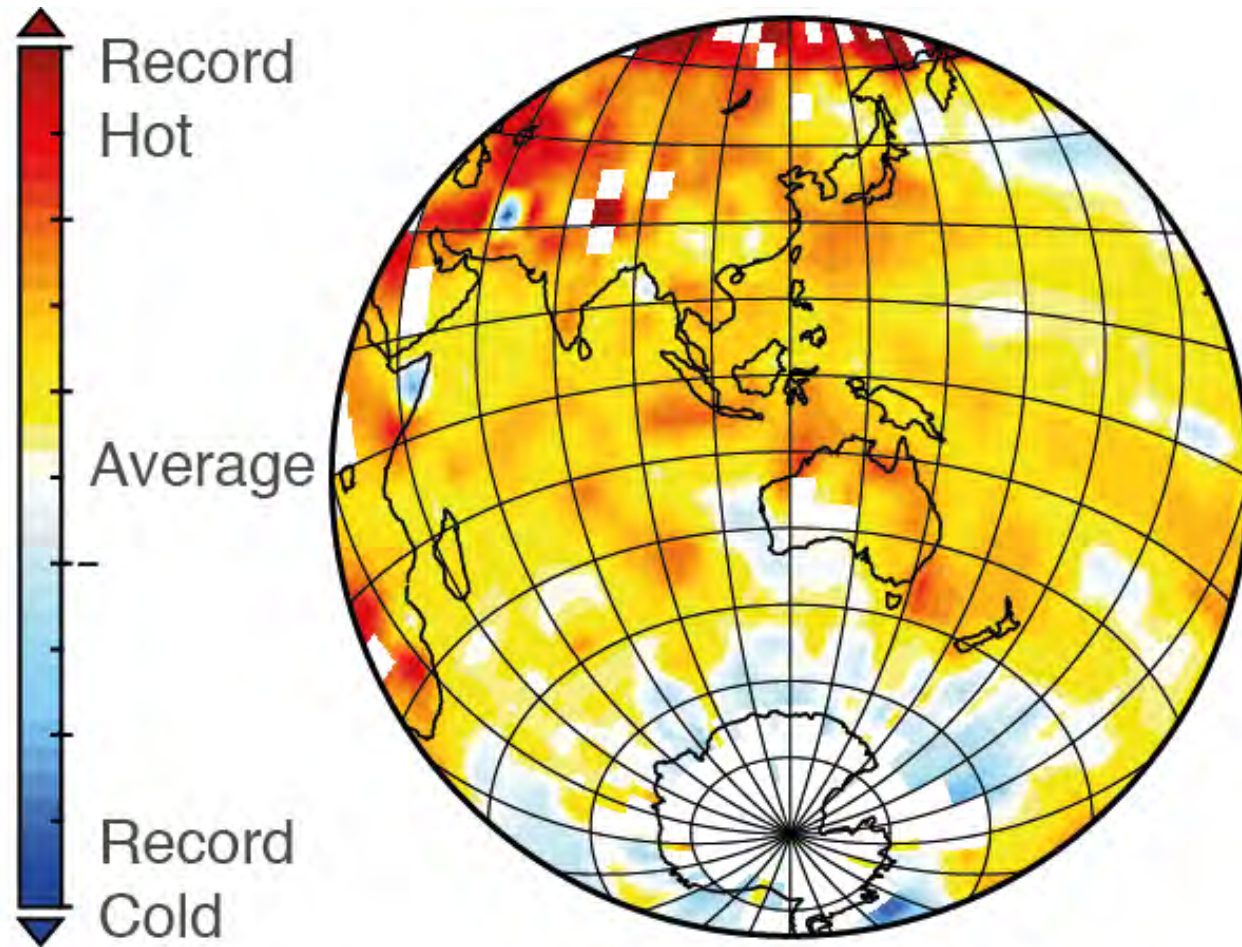
Sophie Lewis

Fenner School of Environment and Society,
Australian National University, Australia
[@aviandelights](#)

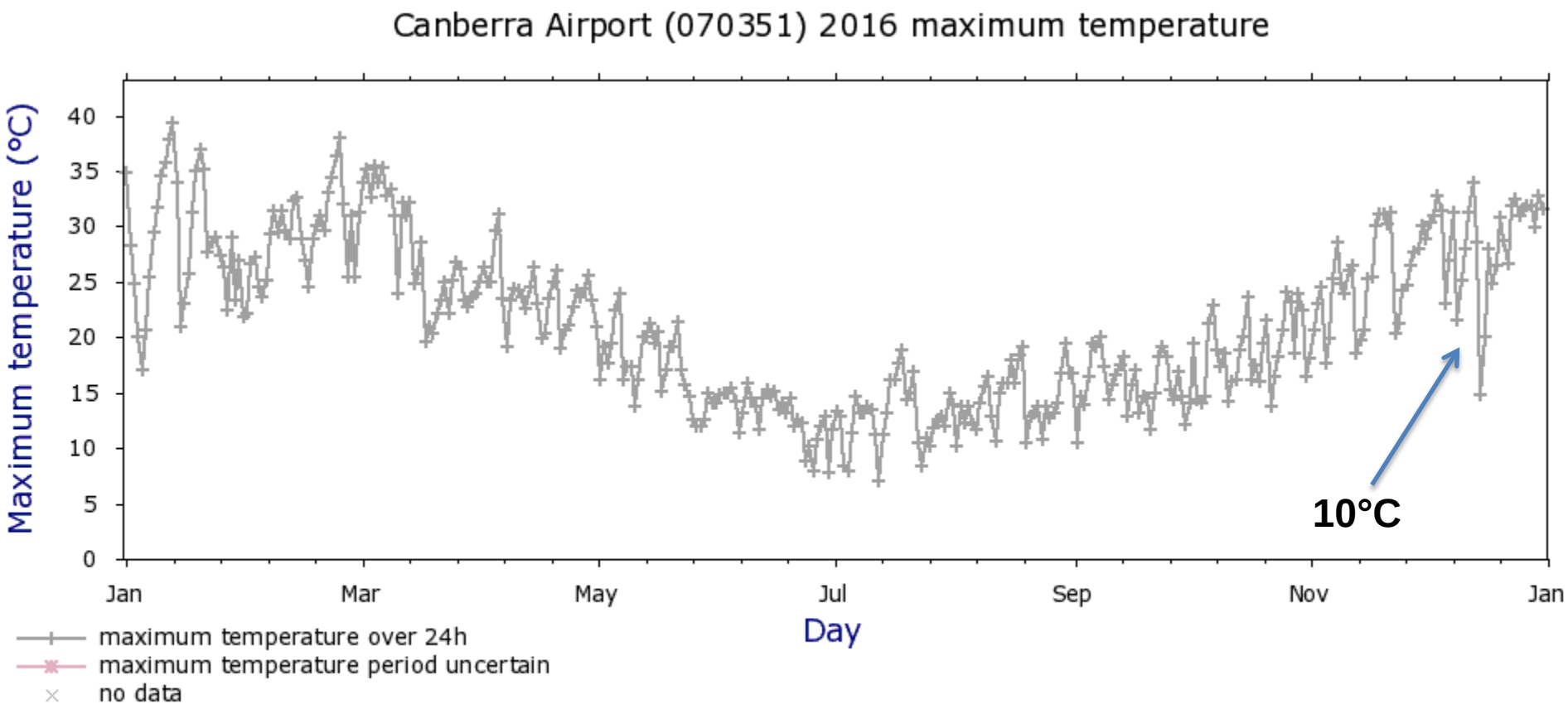
Global temperatures increasing



Record-breaking temperatures in 2016



1°C of warming doesn't sound much



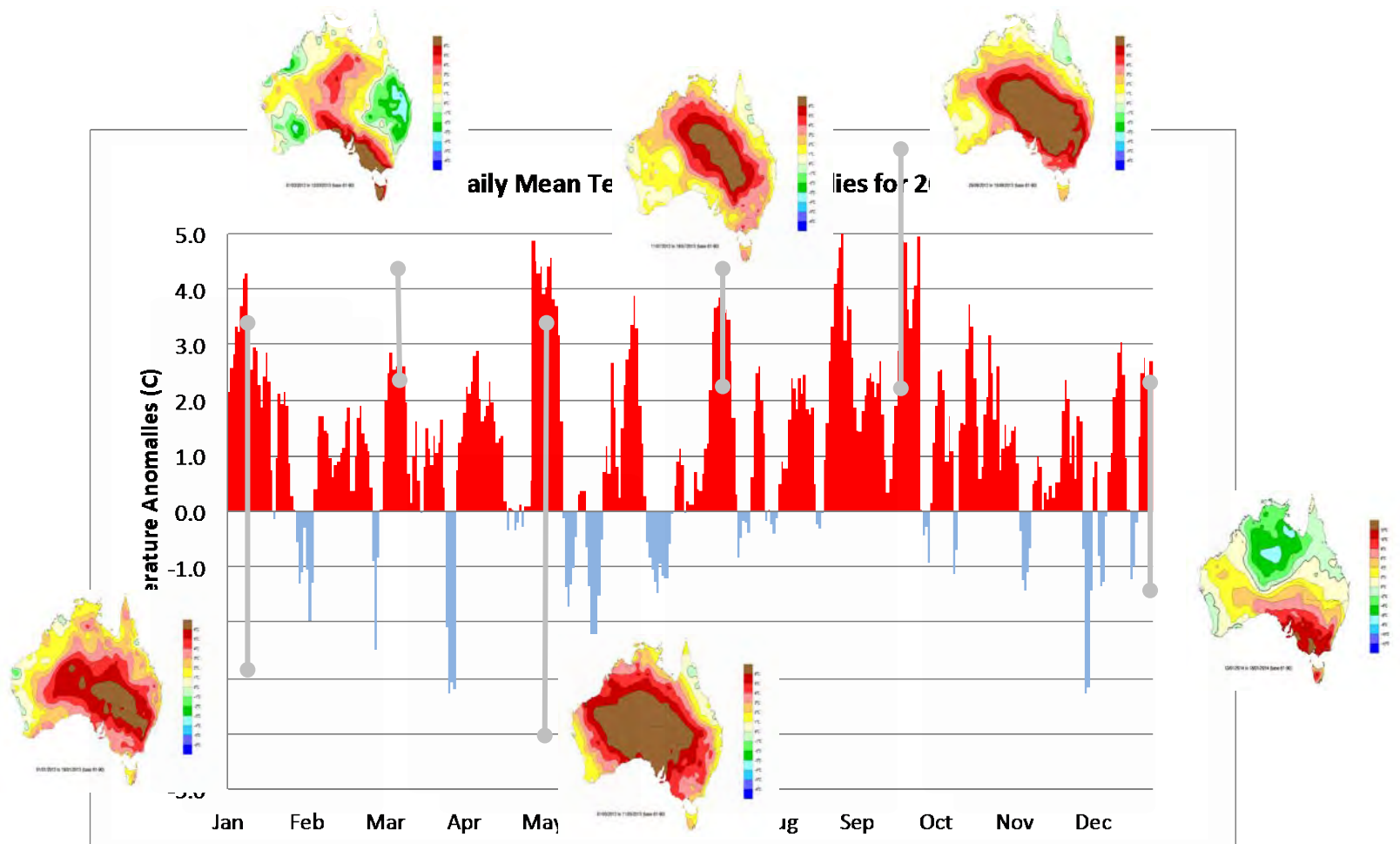
Note: Data may not have completed quality control
Observations made before 1910 may have used non-standard equipment

Climate Data Online, Bureau of Meteorology
Copyright Commonwealth of Australia, 2017

1°C of warming increases extremes



1°C of warming means more hot weather



1°C of warming impacts people



Increase in
extreme temperatures



Decrease in
winter rainfall



Increase in severity,
frequency, intensity
of heatwaves



Decrease in cold
weather and
frost days



Increase in severe
fire weather



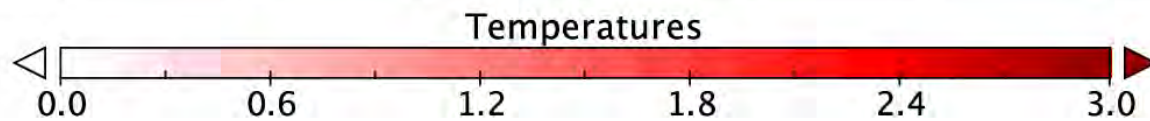
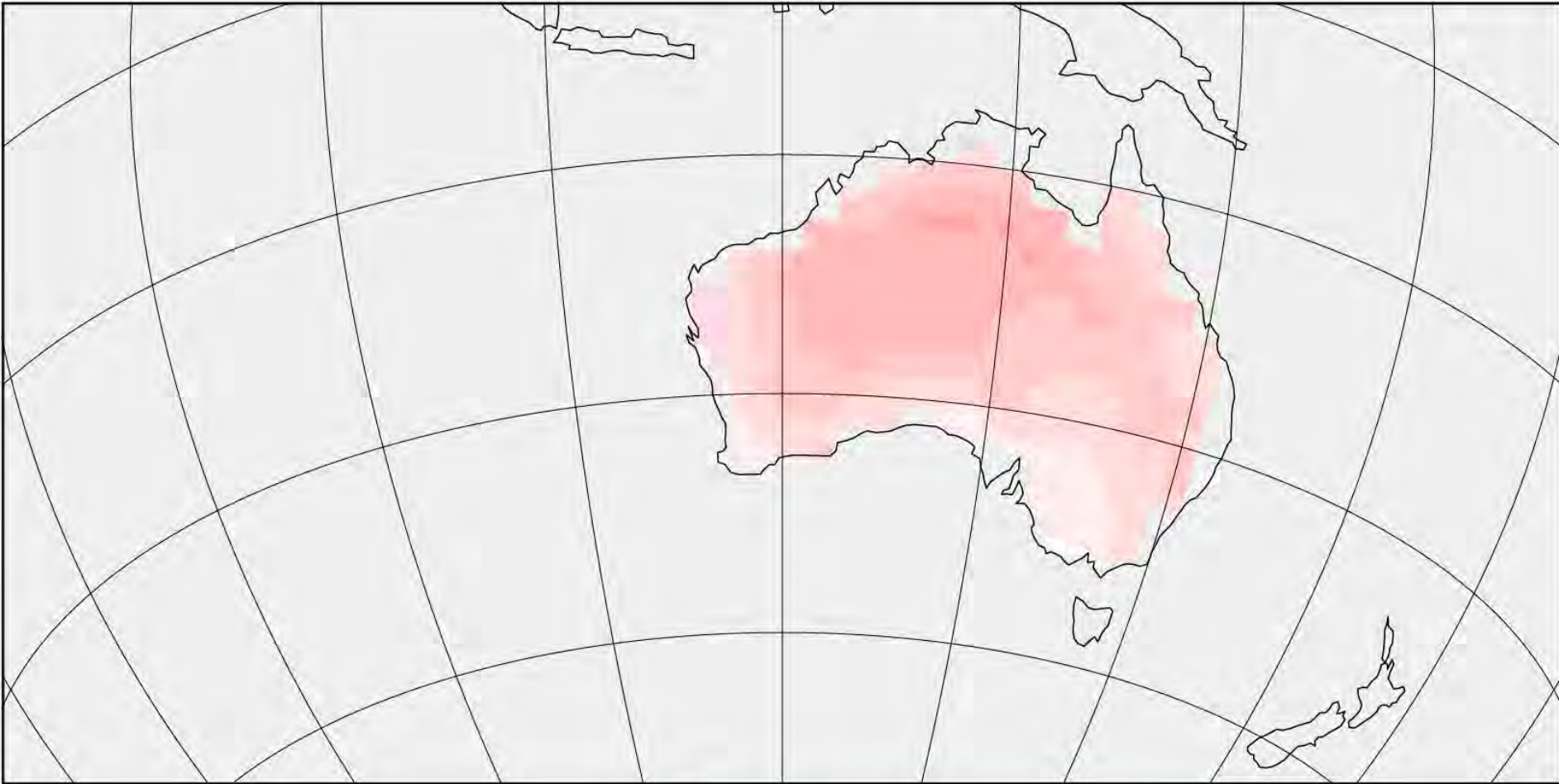
Increase in heat
stress and hospital
admissions

Canberra's changing climate



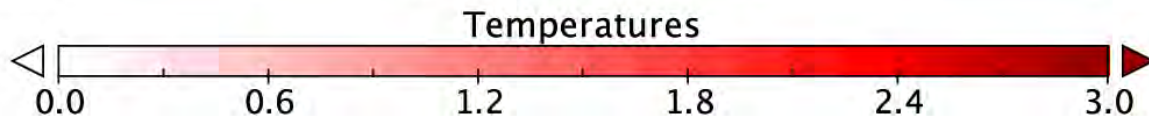
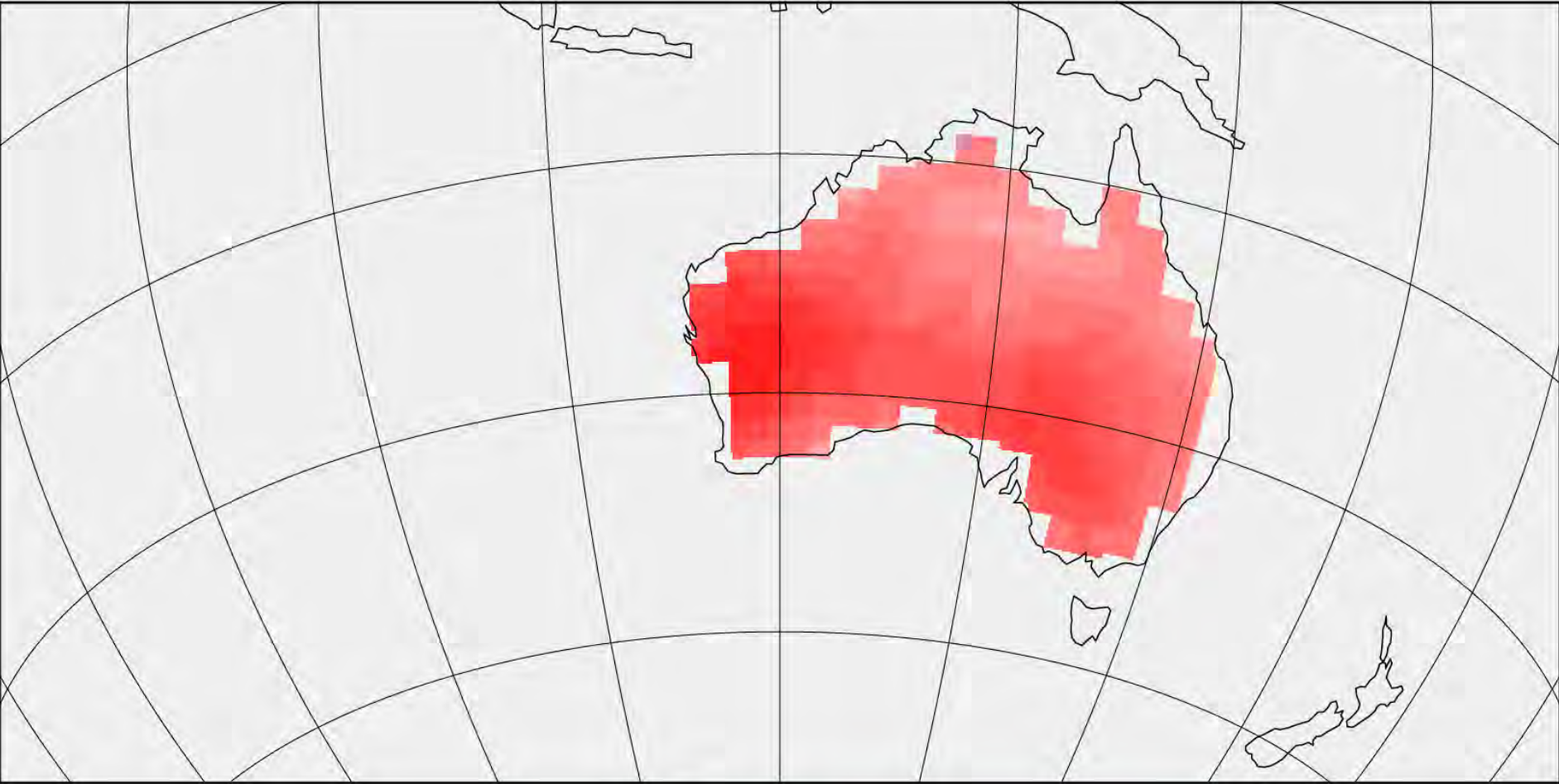
Canberra's changing climate

Early Canberra temperatures



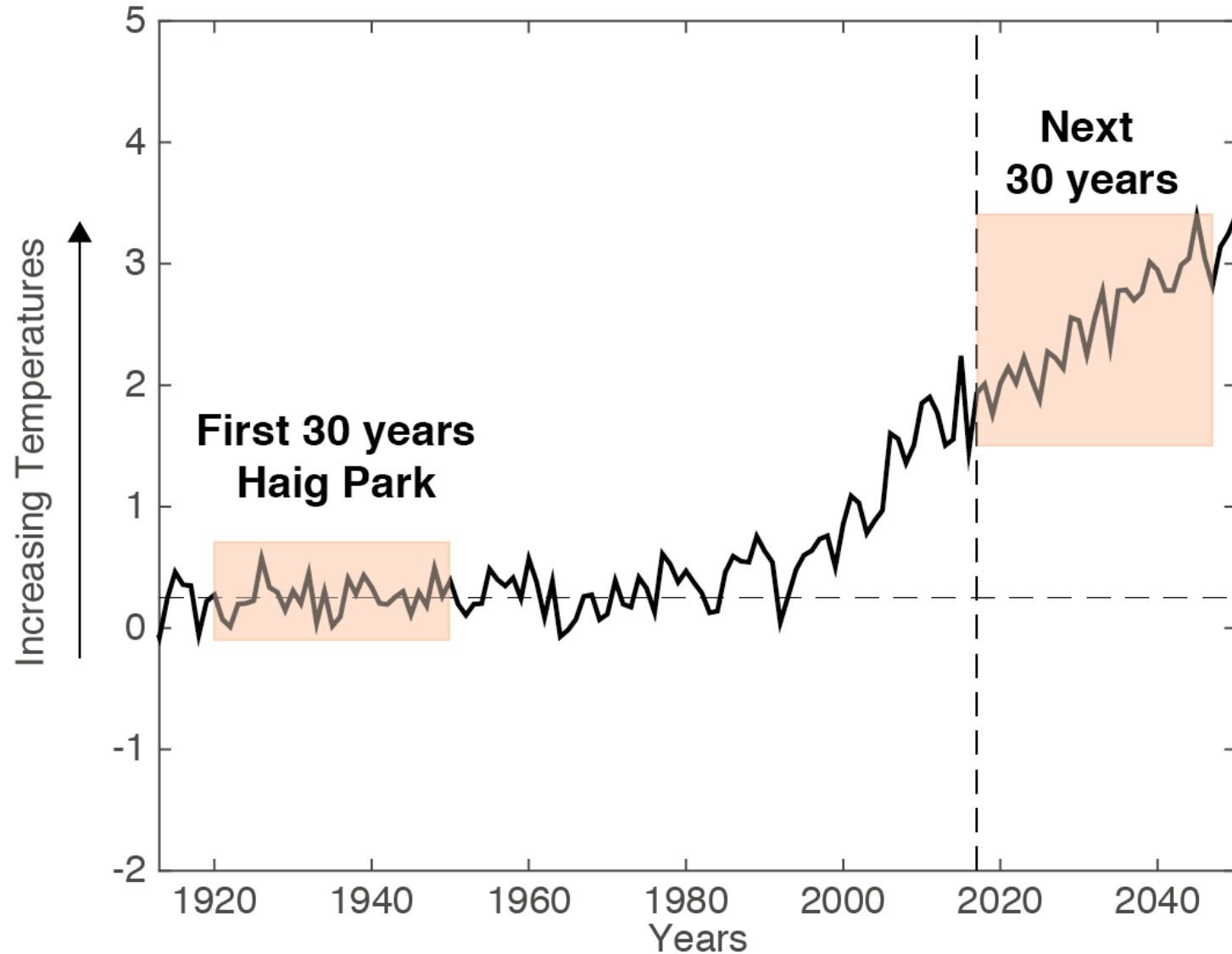
Canberra's changing climate

100 years of warming

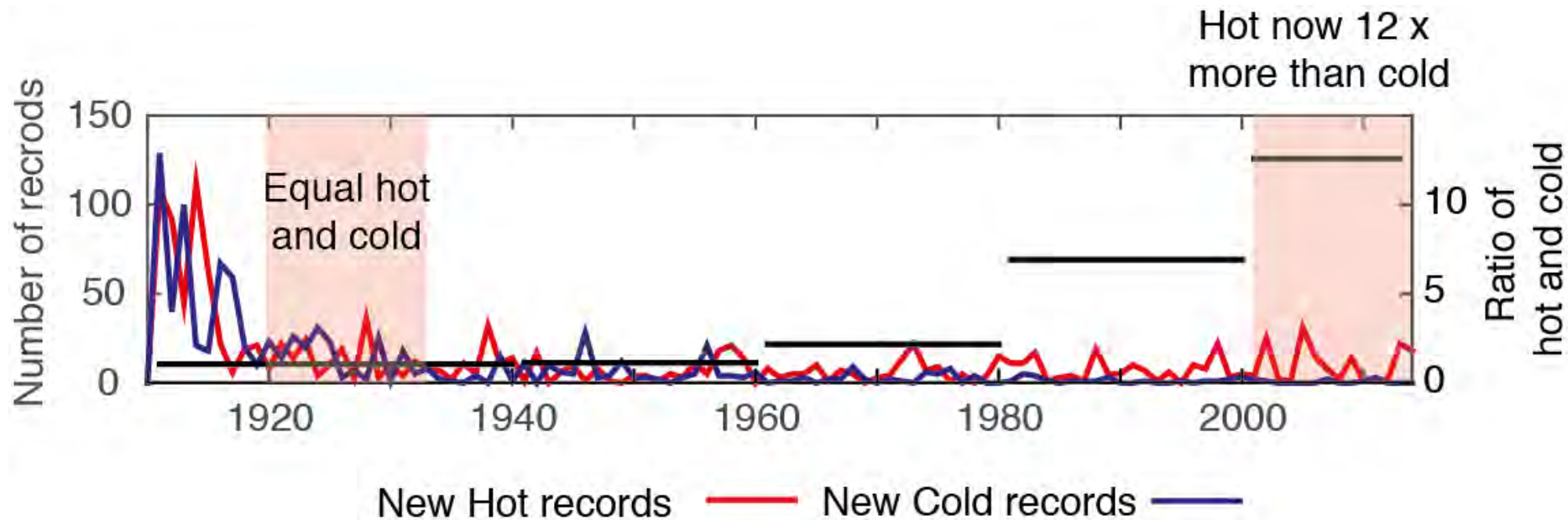


100 years of warming

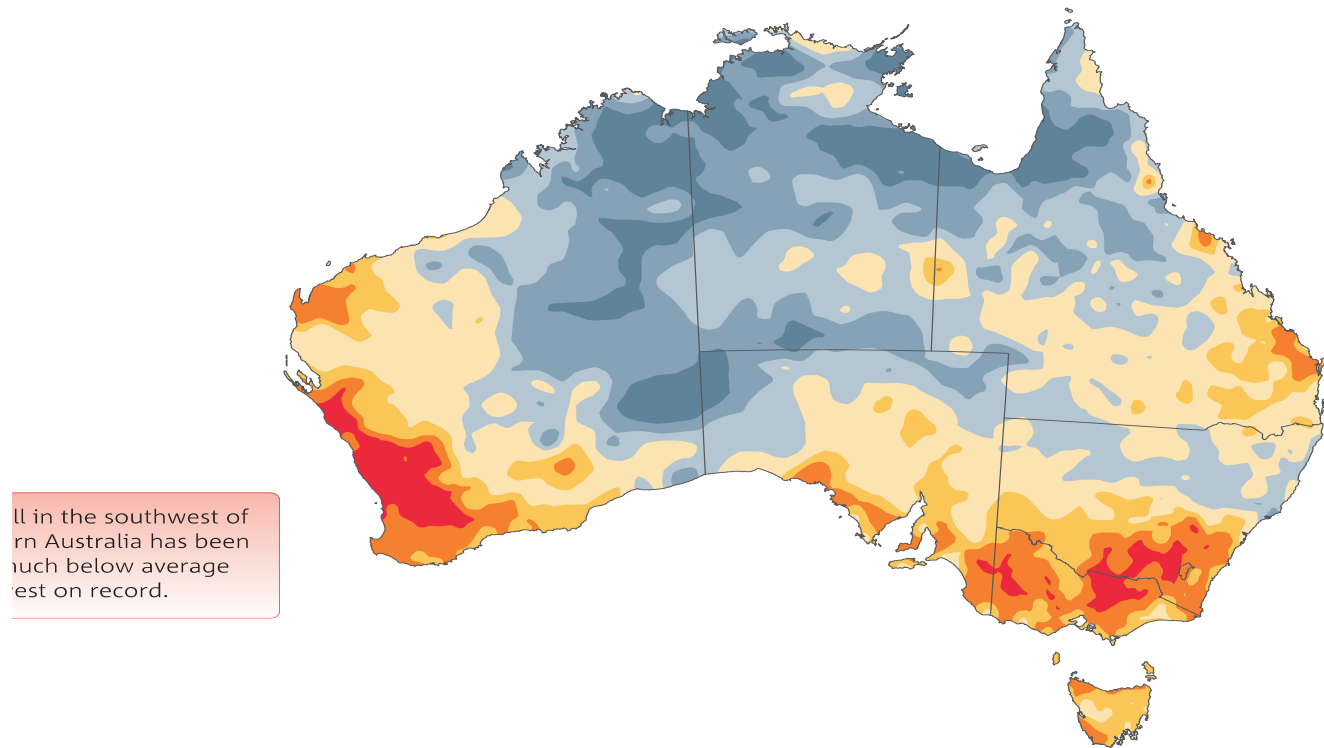
Canberra's changing summers



More hot extremes, fewer cold extremes



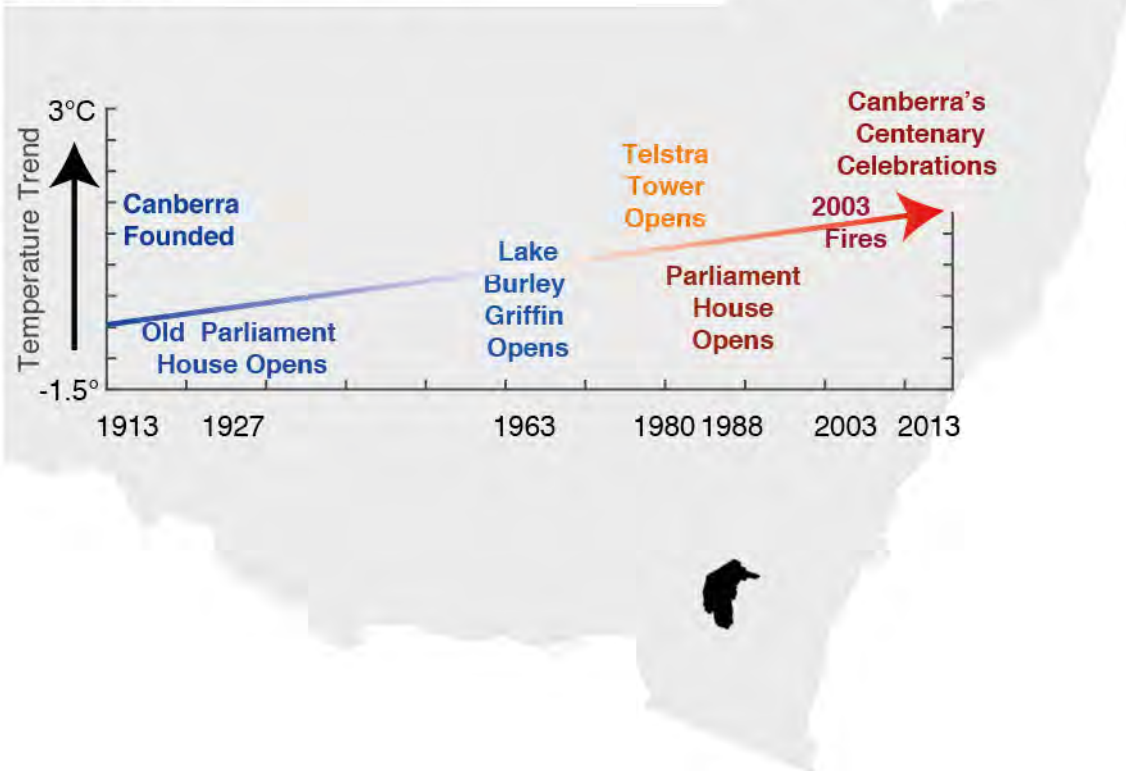
Rainfall is also changing



defined as April to November by the Bureau of Meteorology.

Key points

Canberra's changing climate



- Climate change is already impacting Canberra
- Canberra's climate has changed
- Future climate will be hotter and more extreme
- We need to be prepared

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Close



Pre-European Vegetation of Haig Park





Photo Kris Nash



Smooth Solenogyne



Windmill Grass
M. Bedingfield



Narrow
Leaved New
Holland
Daisy
K. Thomas



Red leg Grass



Common Everlasting
R. Callaway

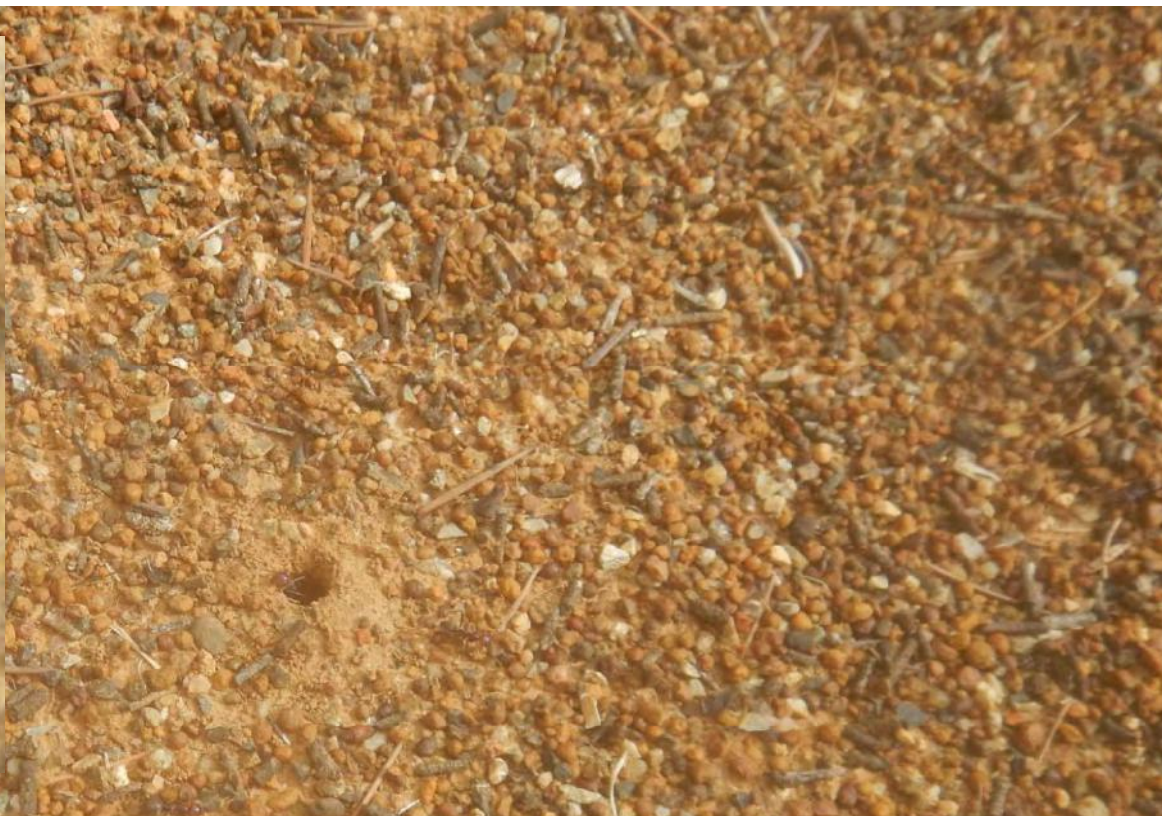


Kidney weed
D. Wood



Bind weed
P. Ratcliffe





Meat Ant
J. Russell



Animals have three key habitat requirement

- 1. Provision of food**
- 2. Provision of shelter and breeding sites**
- 3. Habitat that they can move through to access sites with 1 and 2.**



Australian
Magpie
R. McDowall



Rock Dove
M. Bedingfield



Crested Pigeon
M. Bedingfield



Magpie-lark
M. Frawley



White-winged Chough



Female
M. Bedingfield

Male
M. Frawley



Little Corella
G. McVeigh



Eastern Rosella
M. Bedingfield



Crimson Rosella
M. Bedingfield



King Parrot – females and
Juveniles M. Sims



Male
M. Bedingfield

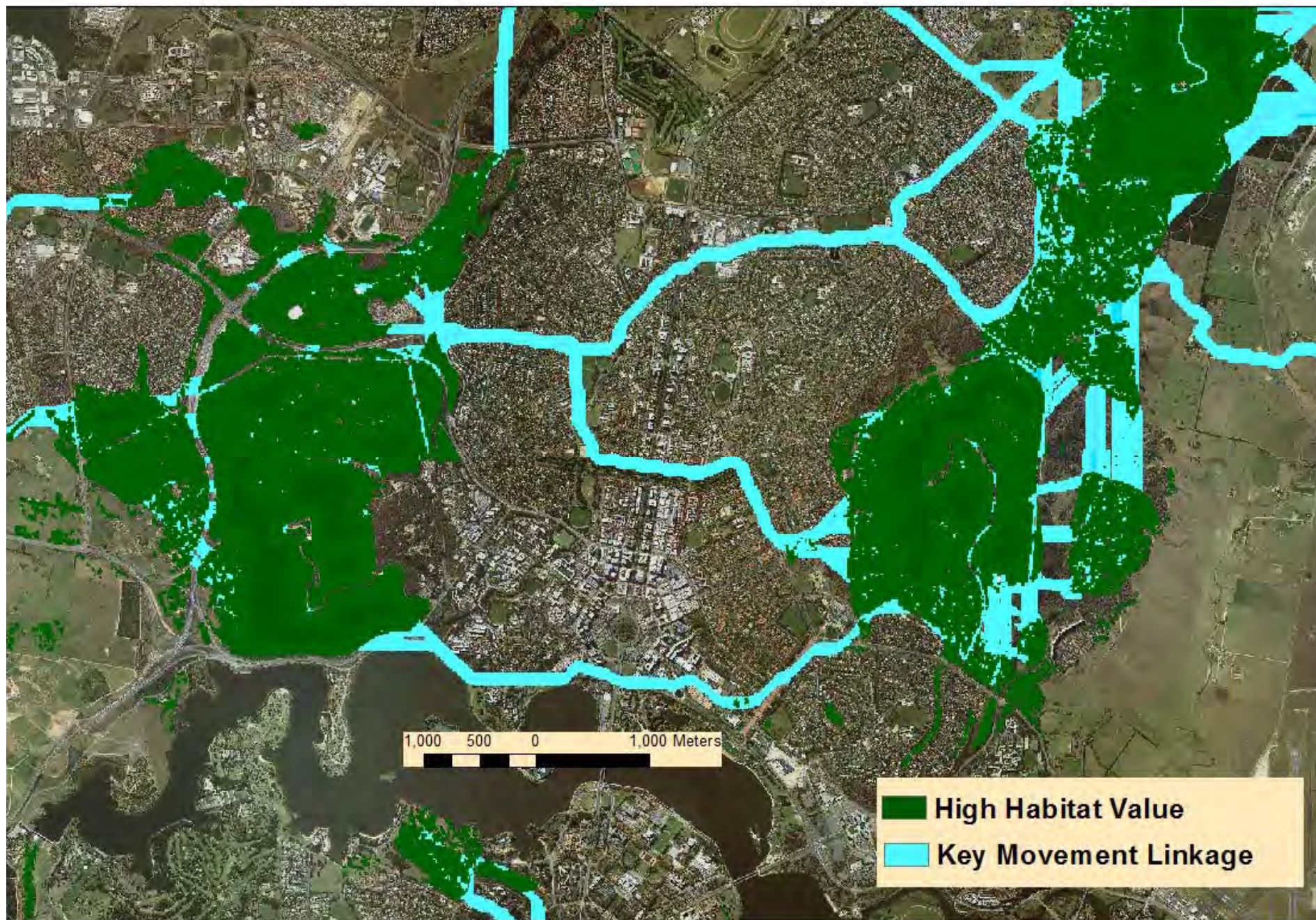


Bushtail Possum
C. Bear



Willie Wagtail
J. Bundock







Powerful Owl —
H. Perkins



Powerful Owl
G. Dabb



Red Wattlebird
R. Callaway



Silvereye
M. Bedingfield



Caper White
M. Bedingfield



Lesser Long-eared Bat
C. Lacombe



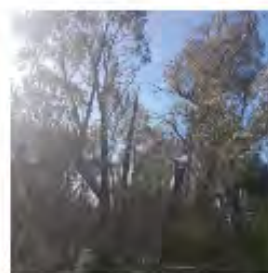
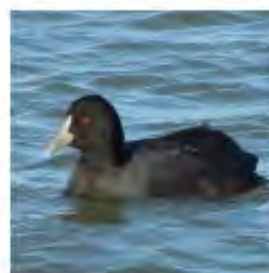
Painted Lady
J. Bundock



1144939 sightings of **4195 species** across **630 locations** from **994 members**



Latest sightings

[Plants](#)[Fungi, Mosses, Liverworts, etc](#)[Reptiles and Frogs](#)[Birds](#)[Mammals](#)[Insects](#)[Other Arthropods](#)[Lilies & Irises](#)[Daisies](#)[Peas](#)[Other Wildflowers](#)[Orchids](#)[Wattles](#)[Gum Trees](#)[Other Trees](#)[Other Shrubs](#)[Climbers & Mistletoes](#)[Mistletoes](#)[Ferns and Clubmosses](#)[Grasses](#)[Rushes & Sedges](#)[View all Plants...](#)

About Canberra Nature Map

The Canberra Nature Map project allows you to report your rare plant and animal sightings as well as any of the many treasures in and around the ACT.

Proudly supported by the ACT Government



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Top contributors

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KenT 1.1K

MichaelMulvaney 950

HarveyPerkins 700

JohnRundock 500

Black Mountain species guide

Quick Search

Lilies & Irises - 16 species

Arthropodium fimbriatum

Chocolate Lily

[More information](#)



Arthropodium milleflorum

Vanilla Lily

[More information](#)



Bulbine bulbosa

Golden Lily

[More information](#)



Burchardia umbellata

Milk Maids

[More information](#)



Caesia calliantha

Blue Grass Lily

[More information](#)



Black Mountain Sightings

[View Sightings](#)

Browse Plants

 Lilies & Irises

 Daisies

 Peas

 Other Wildflowers

 Orchids

 Wattles

 Gum Trees

 Other Trees

 Other Shrubs

 Climbers & Mistletoes

 Ferns and Clubmosses

 Grasses

 Rushes & Sedges

Browse Fungi, Mosses, Liverworts, etc

Black Mountain species guide

Peas - 39 species

 **Bossiaea buxifolia**  
Bush Pea



 **Bossiaea prostrata**  
Creeping bossiaea
[More information](#)



 **Bossiaea sp.**  



 **Chamaecytisus palmensis**  
Tagasaste, Tree Lucerne
[More information](#)



 **Daviesia acicularis**  
Sandplain Bitterpea
[More information](#)



Black Mountain Sightings

 [View Sightings](#)

Browse Plants

 [Lilies & Irises](#)

 [Daisies](#)

 [Peas](#)

 [Other Wildflowers](#)

 [Orchids](#)

 [Wattles](#)

 [Gum Trees](#)

 [Other Trees](#)

 [Other Shrubs](#)

 [Climbers & Mistletoes](#)

 [Ferns and Clubmosses](#)

 [Grasses](#)

 [Rushes & Sedges](#)

Thysanotus patersonii ⓘ👁 sightings

Twining fringe lily - Page 1 of 128 sightings with images



Quick Search

[View Species Distribution](#)



Species Information

Thysanotus patersonii

[More information](#)

Sensitive



Rare Native



Recorded at altitude

957m to 1283.65m

Follow Thysanotus patersonii

Receive email alerts when new sightings are reported.

Your email address

[Follow](#)

Thysanotus patersonii locations

Thysanotus patersonii has been recorded at:

- [Acton, ACT](#)
- [Arenda Bushland](#)
- [Black Mountain](#)
- [Bruce Ridge](#)
- [Bullen Range](#)
- [Bungendore, NSW](#)
- [Cook, ACT](#)
- [Farrer Ridge](#)
- [Googong, NSW](#)
- [Goorangaroo](#)
- [Gossan Hill](#)
- [Gungahlin Grasslands](#)

Page 1 of Fungi

 **Agaricales** 

A member of the gilled mushroom order

 **Agaricus sp.** 

A mushroom genus

 **Agrocybe praecox group** 

 **Aleuria sp.** 

 **Amanita muscaria**  

Fly agaric



Fungus Sightings

 [View Sightings](#)

Browse Fungi, Mosses, Liverworts, etc

 [Fungi](#)

 [Lichens](#)

 [Mosses, Liverworts & Hornworts](#)

 [Other Cryptogams](#)

Follow All Fungi

Receive email alerts when new sightings are reported.

 [Follow](#)

Fungus Experts

[Heino](#) 



Dragonflies & Damselflies (Odonata) in the Canberra Region

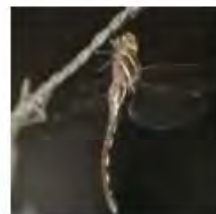
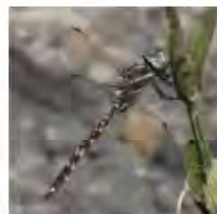


Dragonflies & Damselflies (Odonata)

Adversaeschna brevistyla

Blue-spotted Hawker

[More information](#)



Anax papuensis

Australian Emperor

[More information](#)



Archaeosynthemis orientalis

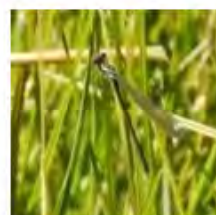
Eastern Brown Tigertail

[More information](#)



Argiolestidae sp. (Family)

flatwings



Dragonfly & Damselfly (Odonat) Sightings

[View Sightings](#)

Browse Insects



Ants (Hymenoptera, Formicidae)



Bees (Hymenoptera, Apiformes)



Beetles (Coleoptera)



Click beetles (Elateridae)



Darkling beetles (Tenebrionidae)



Ground beetles (Carabidae)



Jewel beetles (Buprestidae)



Lady beetles (Coccinellidae)



Leaf beetles (Chrysomelidae)



Longhorn beetles (Cerambycidae)



Scarab beetles (Scarabaeidae)



Stag beetles (Lucanidae)



Water beetles (several families)

Agenda

6:30	Introduction <i>Project Team</i>	
6:40	Climate Change <i>Dr Sophie Lewis</i>	7:45 BREAK
7:00	Biodiversity <i>Dr Michael Mulvaney`</i>	8:00 Panel Discussion
7:15	Tree Management and Maintenance <i>Mr Michael Brice`</i>	
7:30	Heritage <i>Ms Nicola Hayes</i>	8:30 Close



ACT GOVERNMENT

THE TREES OF HAIG PARK





ACT
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Haig Park from Mount Ainslie, 1928
Courtesy National Archives of Australia, image A3560, 4309

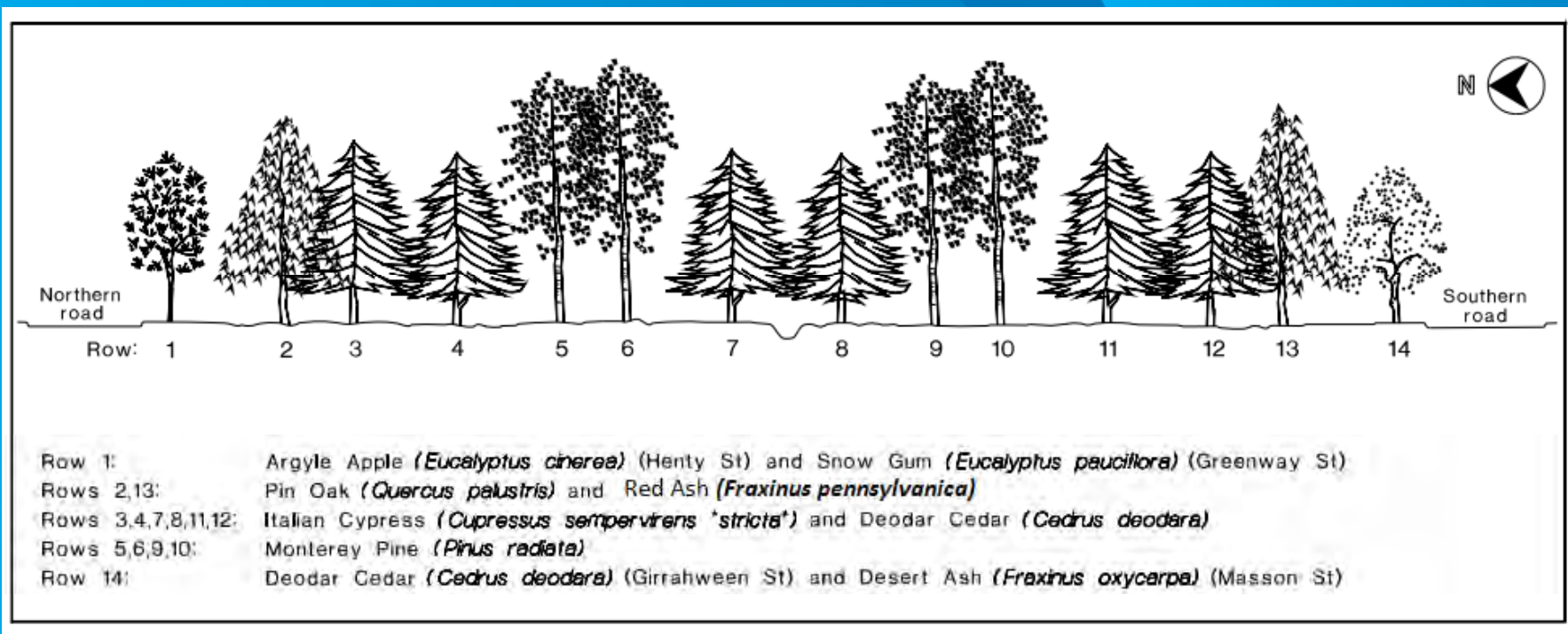


Aerial view from Reid. Haig Park runs left to right in the top third. City Hill is in the lower left, Melbourne and Sydney Buildings flank Northbourne Avenue left and right, the funnel-shape is the beginning of Garema Place and Ainslie Avenue is beginning to take shape.

Photo: ACT Heritage Library image reference 009639



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Species	Common name	Count	Comment
<i>Acacia baileyana</i>	Cootamundra wattle	2	Woody weed
<i>Acer negundo</i>	Box elder	1	Woody weed
<i>Cedrus deodara</i>	Deodar	758	Includes street plantings on Girrahween Street
<i>Cedrus libani</i>	Cedar of Lebanon	21	Probably <i>Cedrus deodara</i>
<i>Celtis australis</i>	Southern nettle tree	14	Street planting on McCaughey Street
<i>Crataegus monogyna</i>	Hawthorn	1	Northbourne verge
<i>Crataegus smithiana</i>	Red Mexican hawthorn	2	Northbourne verge
<i>Cupressus lusitanica</i>	Portuguese cypress	1	
	Roman cypress		
<i>Cupressus sempervirens 'stricta'</i>		318	Many original plantings
<i>Eucalyptus cinerea</i>	Argyle apple	47	Street planting Henty Street
<i>Eucalyptus mannifera</i>	Red spotted gum	8	Northbourne verge
<i>Eucalyptus pauciflora</i>	Snow gum	27	Street planting Greenway Street
<i>Fraxinus</i>	Ash	42	Probably <i>Fraxinus pennsylvannica</i>
<i>Fraxinus angustifolia</i>	Dessert ash	12	
	Claret ash		
<i>Fraxinus angustifolia subsp. oxycarpa</i>		6	
<i>Fraxinus latifolia</i>	Oregon ash	25	Unlikely ID
<i>Fraxinus ornus</i>	Manna ash	9	Unlikely ID



ACT
Government

Species	Common name	Count	Comment
<i>Koelreuteria paniculata</i>	Golden rain tree	1	
<i>Photinia glabra</i>	Photinia	69	Shrub beds
<i>Pinus radiata</i>	Radiata pine	776	About 40 original trees remain
<i>Populus nigra</i>	Lombardy poplar	36	Weed species
<i>Prunus cerasifera</i>	Cherry plum	8	Near bowling club
<i>Pyrus calleryana</i>	Ornamental pear	1	
<i>Quercus canariensis</i>	Algerian oak	4	Unlikely ID
<i>Quercus macrocarpa</i>	Burr oak	1	Unlikely ID
<i>Quercus palustris</i>	Pin oak	101	Many rot affected and disfigured
<i>Quercus robur</i>	English oak	1	Seedling
<i>Quercus robur 'fastigiata'</i>	Columnar English oak	31	New plantings
<i>Ulmus glabra</i>	Wych elm	1	Unlikely ID
<i>Ulmus minor</i>	Field elm	1	Unlikely ID
<i>Ulmus x hollandica</i>	Dutch elm	4	Unlikely ID
Unknown sp.	Unknown	2	
Grand Total		2331	



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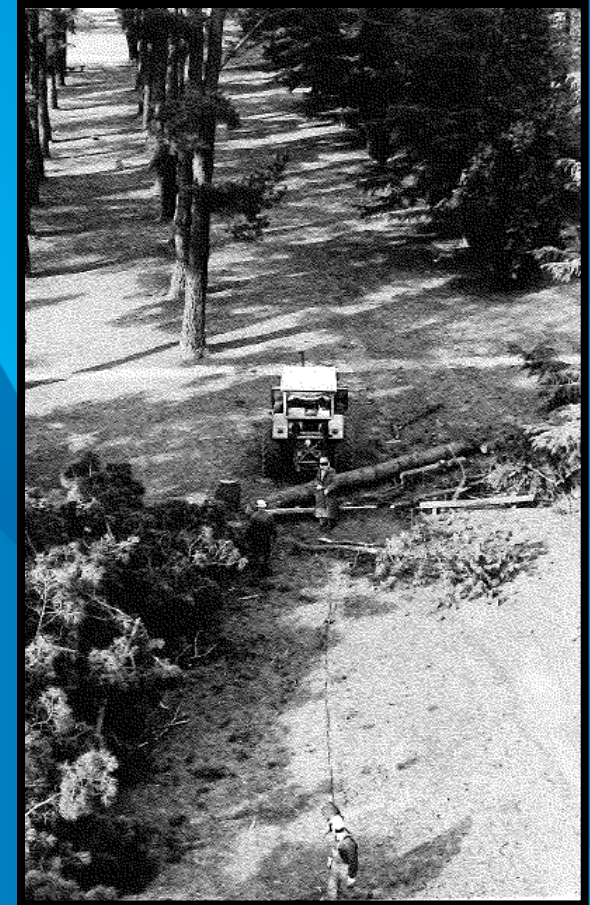


Canberra City aerial view, 1953

**Courtesy ACT Heritage Library, Department Of Capital Territory Collection,
Image 009633**



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**ACT TREE
REGISTER**



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Haig Park Speaker Series

Heritage and History of Haig Park

Nicola Hayes

Navin Officer Heritage Consultants Pty Ltd

5th June 2017



Heritage Registration

Features Listed as Intrinsic to Haig Park:

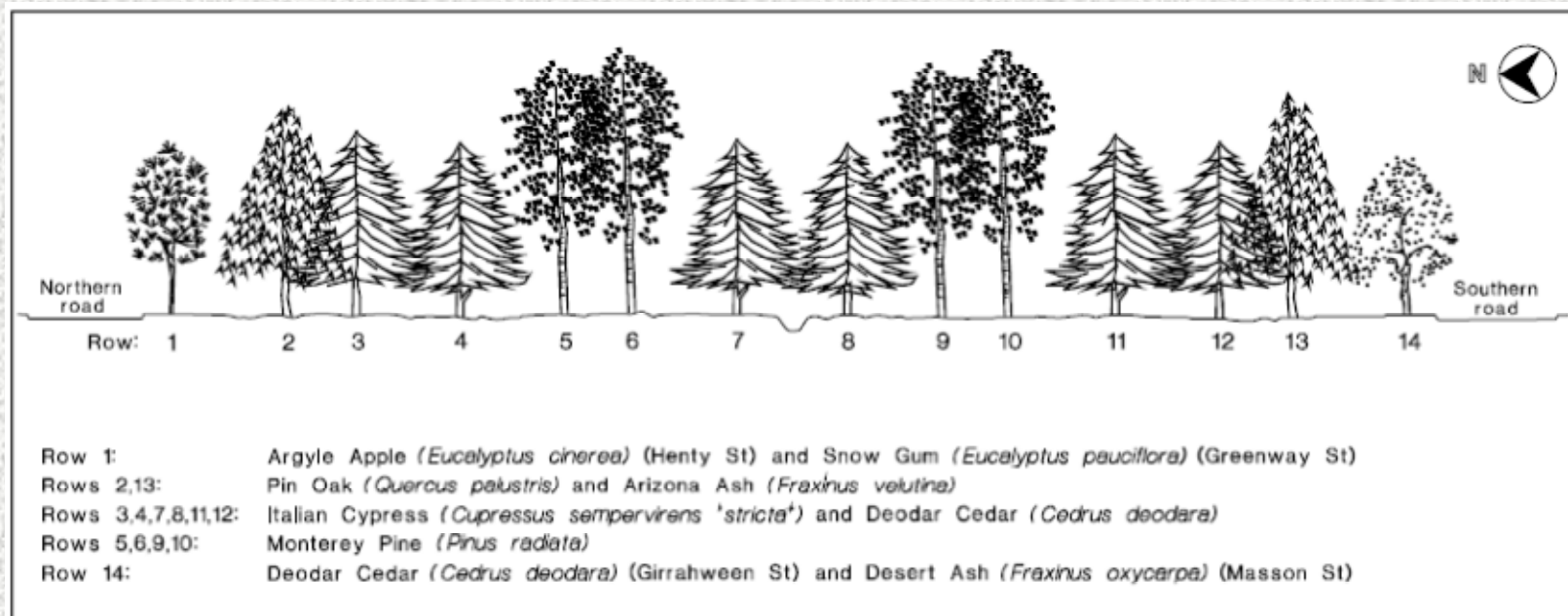
Fourteen rows of trees planted to form a windbreak and shelterbelt and the associated landscape setting.

Tree species as identified ... are:

- Row 1: Argyle apple (Eucalyptus cinerea) and Snow gum (Eucalypt pauciflora);*
- Row 2 & 13: Pin oak (Quercus palustris) and Arizona ash (Fraxinus velutina);*
- Rows 3, 4, 7, 8, 11 & 12: Italian cypress (Cupressus sempervirens 'Stricta') and Deodar cedar (Cedrus deodara);*
- Rows 5, 6, 9 & 10: Monterey pine (Pinus radiata); and*
- Row 14: Deodar cedar and Desert ash (Fraxinus oxycarpa)*



Heritage Registration



Heritage Registration

Specific Requirements:

Haig Park be conserved and appropriately maintained as an urban park incorporating rows of mixed tree species consistent with its heritage significance as a windbreak.

- ***Plantation Species***

- *The species of trees found in the 14 rows shall be retained so far as is feasible on arboricultural grounds*
- *Replacement trees, where trees have been lost or must be removed due to poor condition, are to be of the same species or similar arboriculturally appropriate species and located in a similar position to the original tree(s).*

- ***Development***

- *No new development shall be permitted where the development detrimentally affects the heritage value of the place.*



Who
What
When
Where
Why



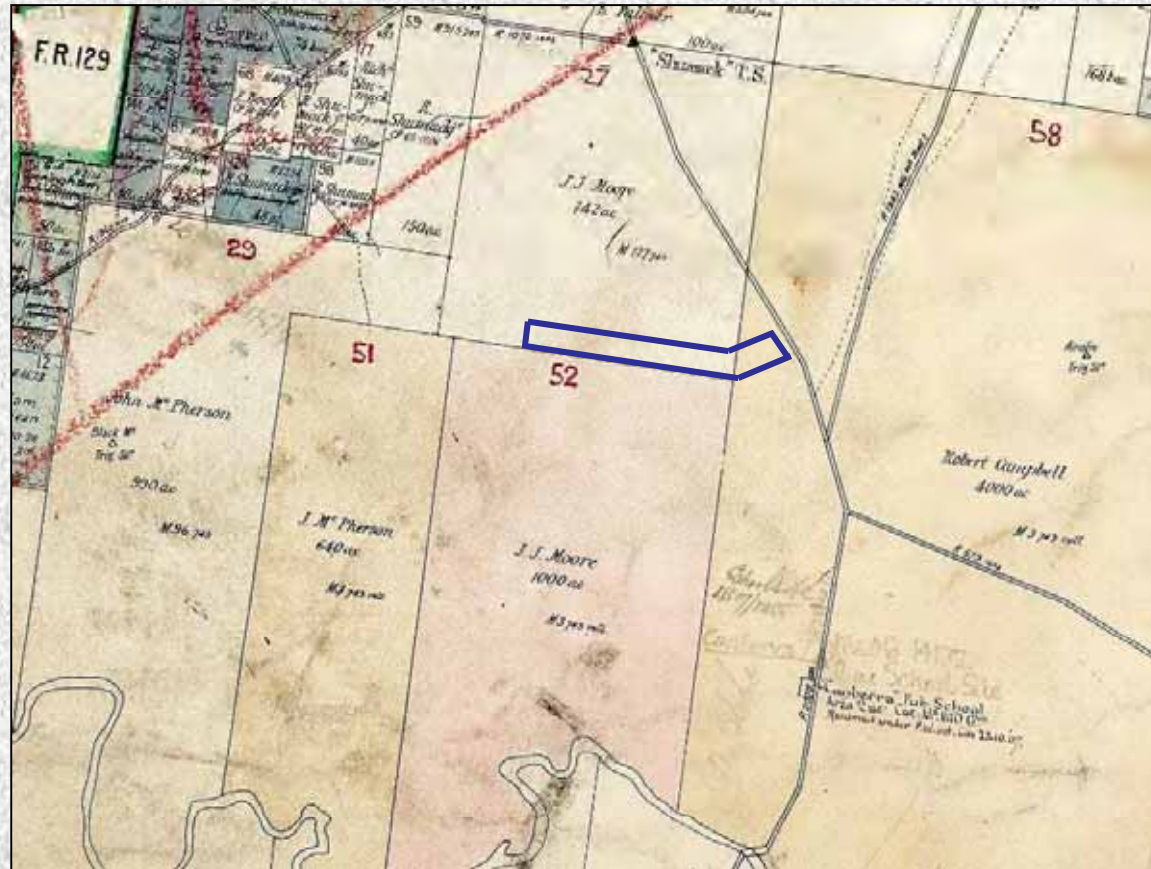
Aboriginal History

Horton 1999

<http://www.abc.net.au/indigenous/map/>



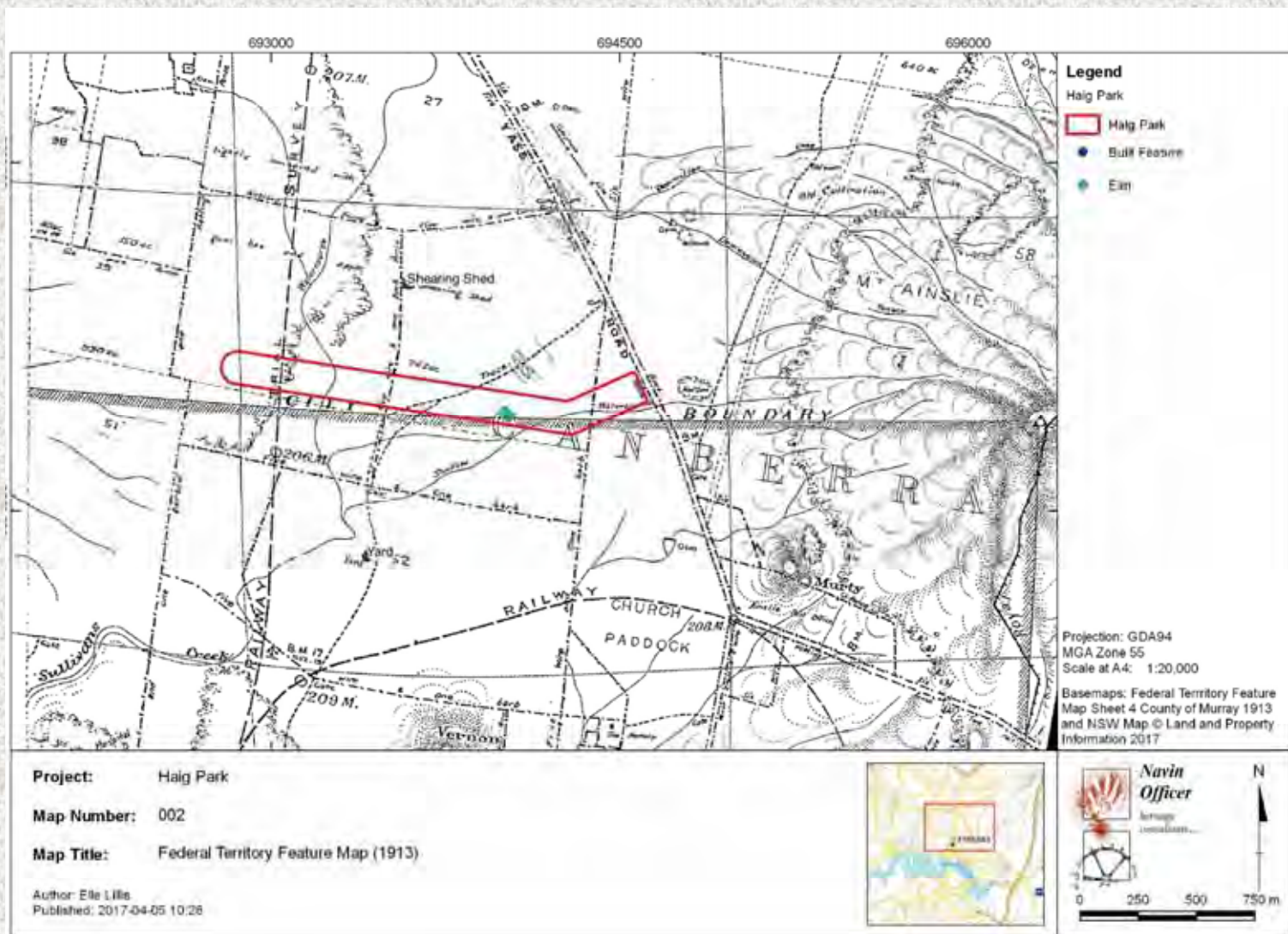
Pre-Canberra



Parish of Canberra map, 1912

Location of Haig Park relative to portions 27, 52 and 58





Territory Feature map



Griffin's Plan



Walter Burley Griffin's Plan for Canberra 1911

NAA: A710, 37



FCAC



**Plan attached to the 1921
letter indicating proposed
planting locations**

NAA A414/1, 26



Shelter Belt



Early plating of Haig Park 1923



The list and numbers of plants planted at the East West Shelterbelt from 1921 to September 1923 (NAA: CP209/1, B13 Part 1)

Genus and species name	Number planted
<i>Acacia baileyana</i>	739
<i>Acacia decurrens</i>	334
<i>Amygdalus persica red</i>	40
<i>Amygdalus persica white</i>	110
<i>Amygdalus persica rosea</i>	66
<i>Cedrus deodara</i>	1045
<i>Cupressus horizontalis</i>	1272
<i>Cupressus fastigiata (sempervirens)</i>	1658
<i>Exochorda grandiflora</i>	80
<i>Fraxinus sambucifolia</i>	40
<i>Photinia serrulata</i>	14
<i>Pinus insignis</i>	1940
<i>Populus pyramidalis</i>	37
<i>Pyrocantha coccinea</i>	6
<i>Pyrocantha crenulata</i>	130
<i>Pyrus aucuparia</i>	80
<i>Salix sp.</i>	62
TOTALS	7653





1955





1960s

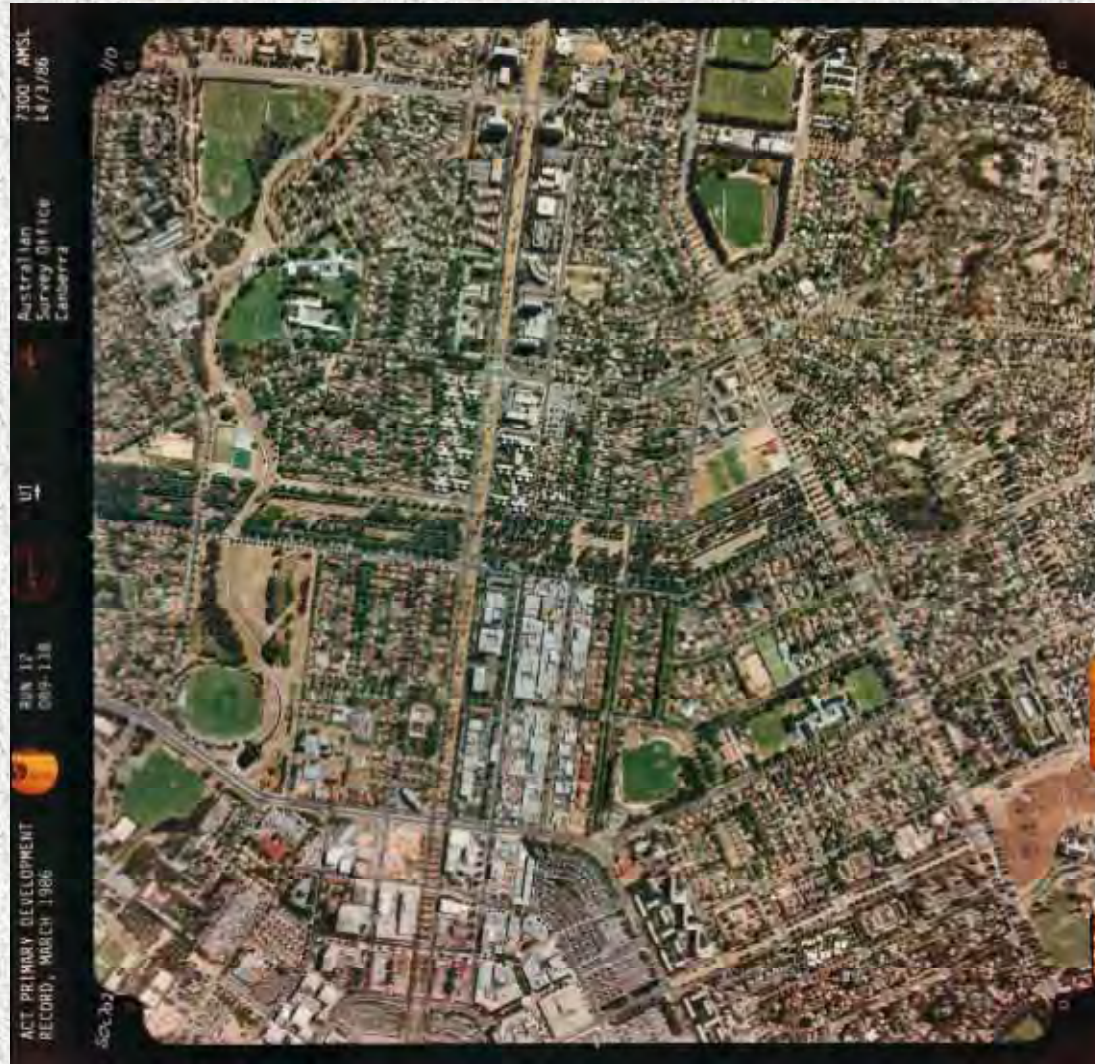




1960s



Haig Park



1986



Why

1920s

“Shelter Belt”

1970s

Recreation



Where

Griffin Plan

Federal Capital Advisory Commission



When

Date	Action
1921-1923	Original 12 rows planted
1935-44	John Hobday planted the <i>Fraxinus pennsylvanica</i> and <i>Fraxinus raywoodii</i>
1946	Pruning
1940s-50s	Tree management, including pruning and removal of wattles
1948/49	Turner Preschool (Treehouse in the Park) constructed
1950	Scout Hall constructed
1950s	Addition of row on each side by Pryor. On the north side <i>Eucalyptus pauciflora</i> (Greenway St) and <i>Eucalyptus cinerea</i> (Henty St) and on the south side <i>Cedrus deodara</i> (Girrawheen St) and <i>Fraxinus oxycarpa</i> (Masson St).
1958	Parks Depot and North Canberra Bowling Club constructed
1961	Friends Meeting House (Quakers Hall) established
1970s	NCDC restricts vehicle access and constructs additional car parks, a fitness track and picnic areas.
1973/4	Some upgrading work undertaken



Date	Action
1987	Haig Park declared a public park
1984-91	Tree management and selective replacement (reported in Boden 2000)
1988/89	BBQ areas constructed
c1985	Toilet Block
2000s	Some replacement
2010	Tree removal/replacement of <i>Pinus radiata</i> , 50 trees
2011	Tree Audit completed by Homewood Consulting Pty Ltd of all trees located in Haig Park. This audit provided information on each individual tree. 2160 trees were counted during this audit process.
2015	LiDAR on the tree canopy of Haig Park completed. Haig Park had a total tree canopy of 10.4 hectares or 52 percent (at the time of survey).
2017	Update to the 2011 Tree Audit provided. Since 2011, 191 new plantings and 20 tree removals have been undertaken in the park. The total number of trees as of 2017 was counted as 2331.



What

7653 by 1923

2331 Now



Who

FCAC

Weston

Pryor and other managers

Canberra Residents – you!!



Thankyou

