Regent Honeyeaters and Swift Parrots

An Update from BirdLife Australia

July 2020







BirdLife Australia's 'Woodland Bird Program'

- Aim is to reverse the decline of temperate woodland birds (1 in 5 threatened and/or declining)
- It is a "guild" of threatened birds, just like migratory shorebirds and seabirds





birds are in our nature

The most threatened 'woodland birds' are....



Swift Parrot

Regent Honeyeater



The 'woodland bird flagships' are....

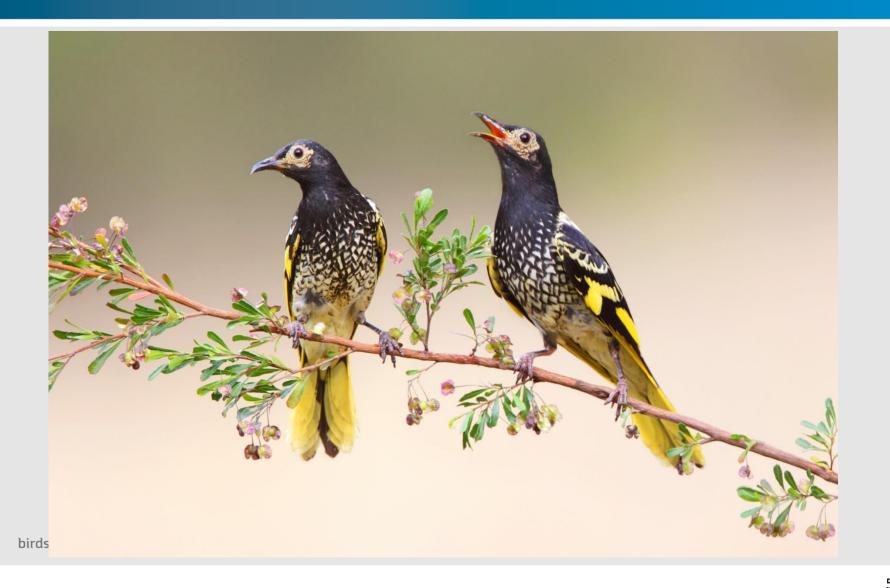


Swift Parrot

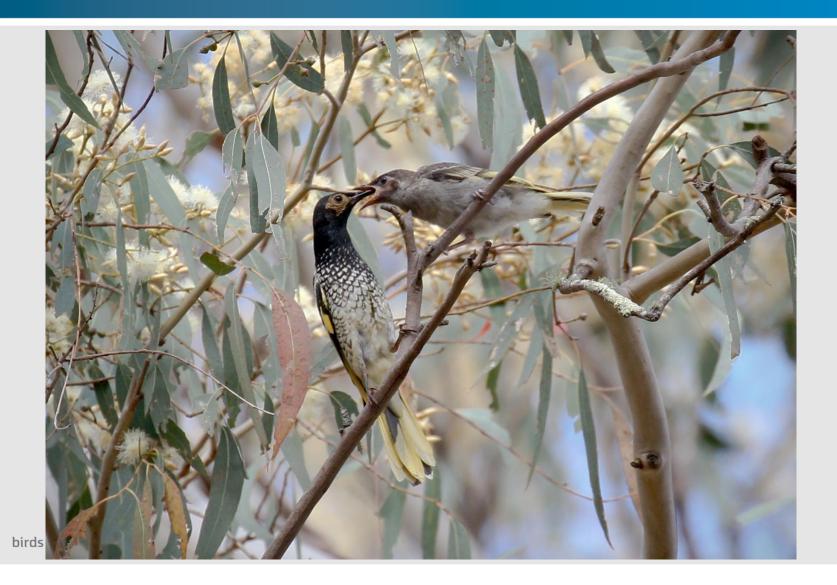
Regent Honeyeater



Introducing the Regent Honeyeater

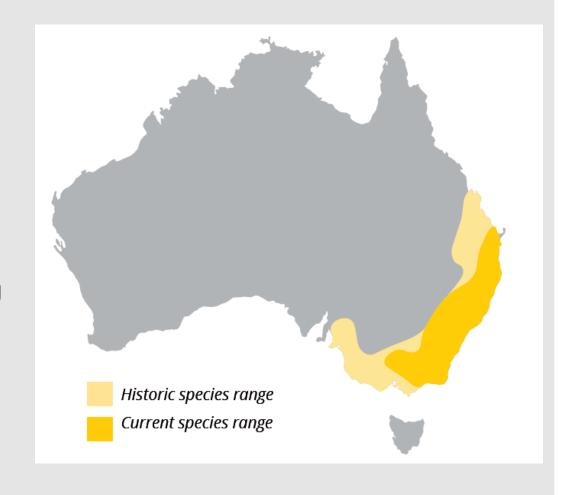


Introducing the Regent Honeyeater

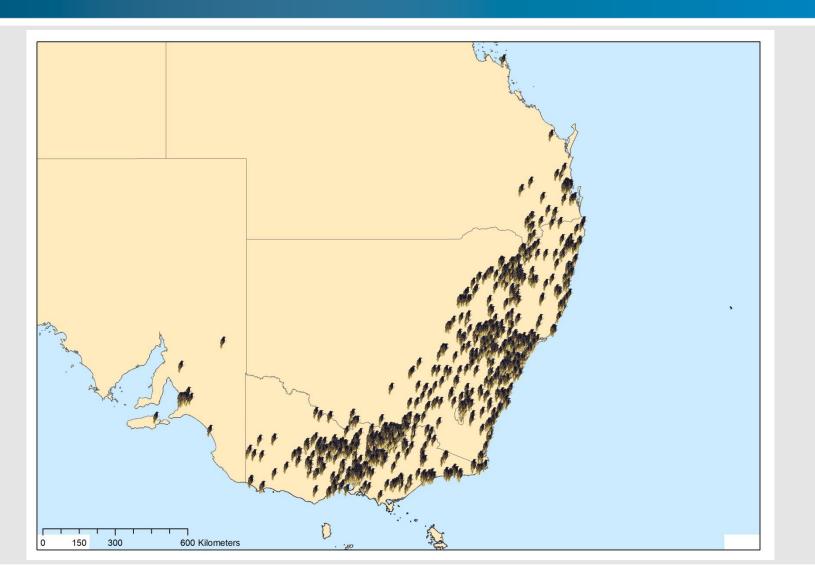


Regent Honeyeater decline – contraction in range

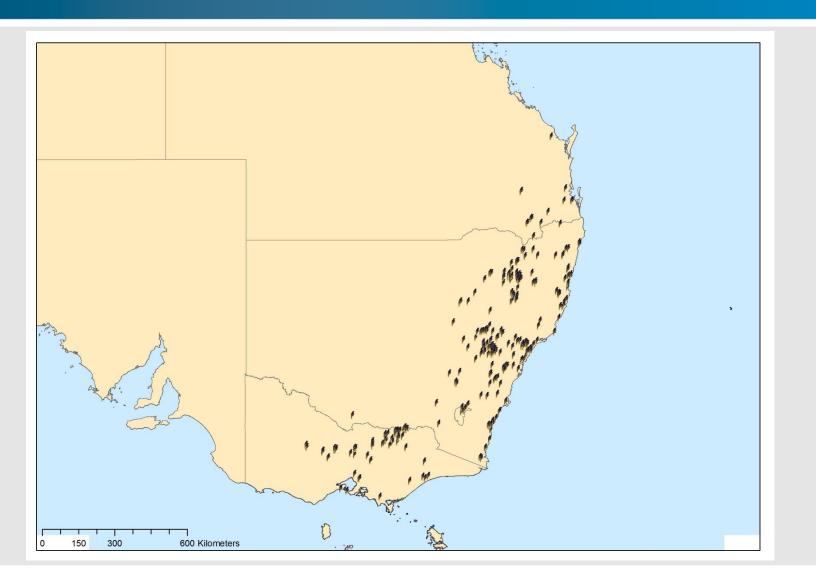
- Now extinct in:
 - South Australia
 - Western Victoria
- Stronghold now NSW:
 - Vast majority of sightings
 - Vast majority of breeding records



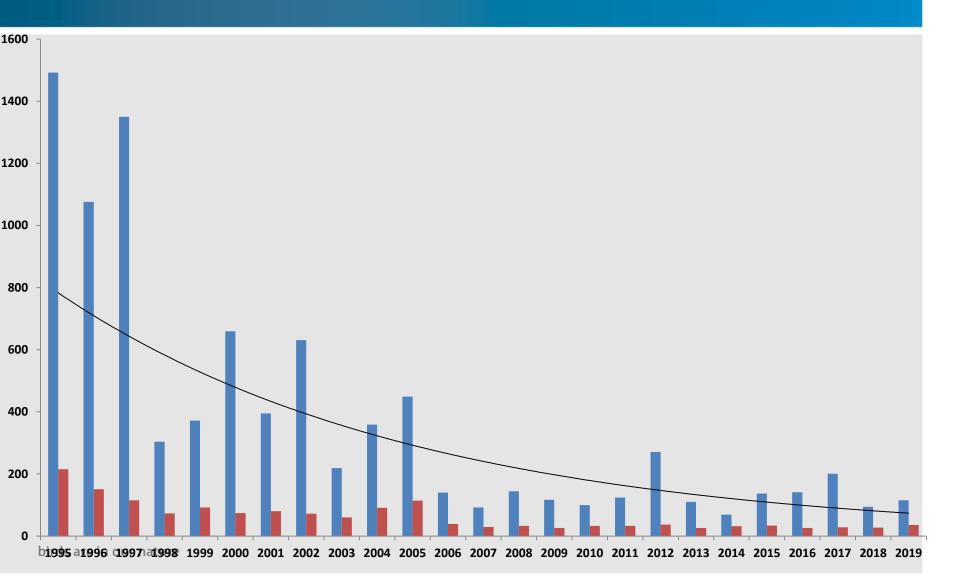
Regent Honeyeater decline – population crash



Regent Honeyeater decline – population crash



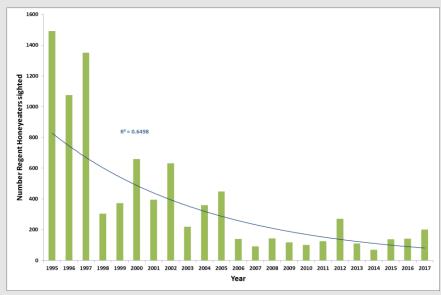
Regent Honeyeater decline – individuals and sites



Why the drastic decline?

The short answer is - we don't know!





But loss of habitat is the key driver...



Why the drastic decline? – "Contemporary threats"

Critically low population is the major threat

- Inability to breed low nesting success rate
 - Lack of flocks
 - Paucity of nests
 - Competition with large honeyeaters
 - Predation (avian and mammalian)





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Why the drastic decline? – "Contemporary threats"

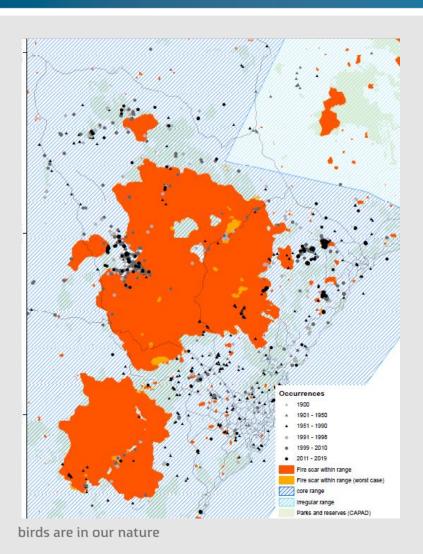
PhD research by Ross Crates (ANU) and Gemma Taylor (UCL/Monash/BirdLife)



The most "contemporary threat"?



Regent Honeyeater sites under 2019/20 fire scars



Active nesting sites burnt in the 2019/20 fires

- Widden Valley
- Capertee Valley (Glen Davis)
- Goulburn River
- Wolgan Valley

2017/2018 nesting sites burnt

- Burragorang Valley
- Capertee Valley (NP)
- + much non-breeding habitat

2019 birds – winter coastal push once again



>50% of 2019 winter birds were in or near Swamp Mahogany







2019 birds – 'Neranie flock'

12 birds - none banded ©



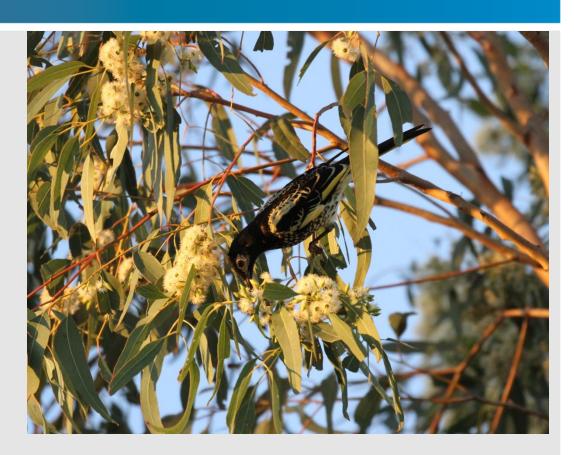


2019 Regent Honeyeaters in Queensland



Hardings Paddock (May)

Photo: Campbell Paine



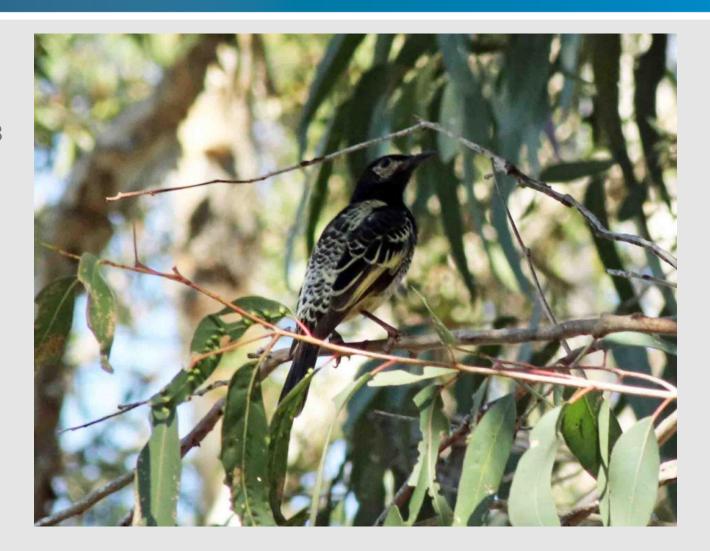
Springfield Lakes (June-July)

Photo: Pauline Brennan

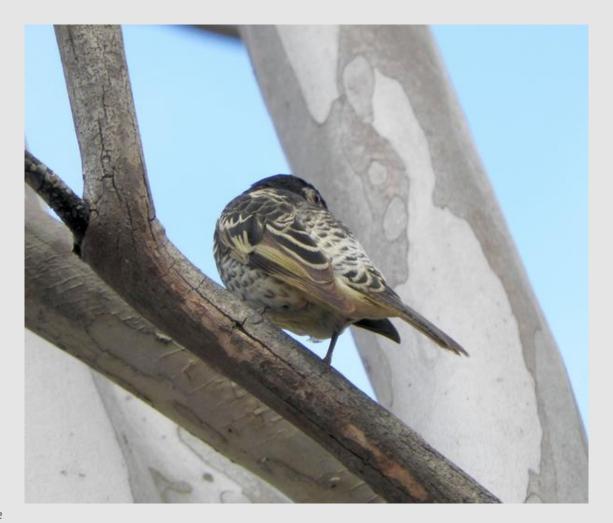
2018 Qld Regent Honeyeaters

Rainbow Beach
July-October 2018

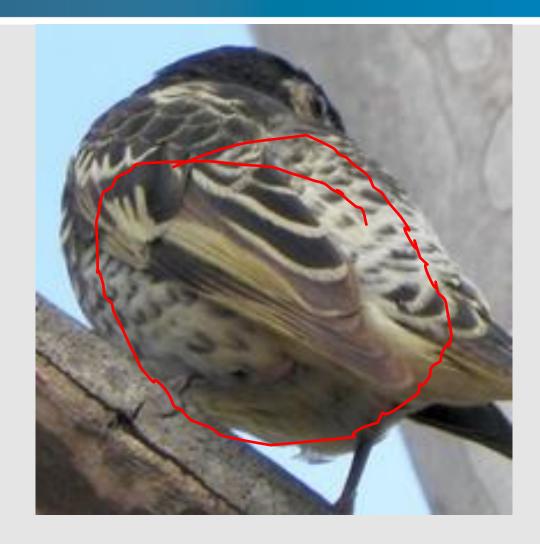
Photo: Rod Howie



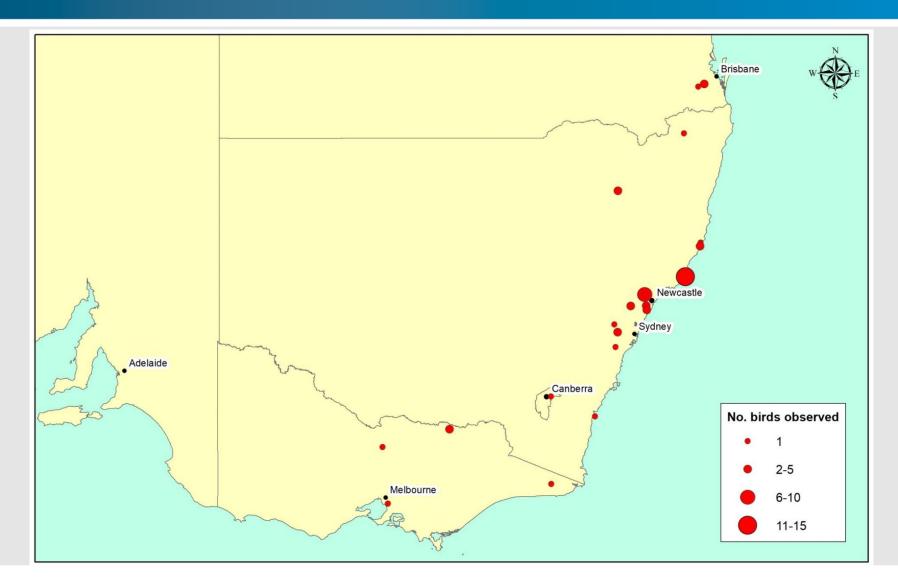
2018 Qld Regent Honeyeaters



Regent Honeyeaters must be breeding in Qld



2019 Regent Honeyeaters



2019 breeding success – only 5 confirmed broods





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2019 breeding success – two nests in Western Sydney



Mulgoa

Photo: Gen Kyi

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South Maroota

Photo: Jackie Fiess



Regent Honeyeater Recovery Plan

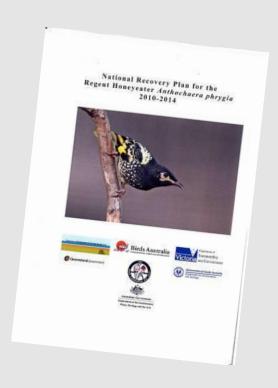


National Recovery Plan for the Regent Honeyeater (Anthochaera phrygia)



April 2016

- Recovery Team in place since 1994
- National Recovery Plan (April 2016)



Recovering the Regent Honeyeater – recovery objectives

- 1. Restore, protect and enhance the value of Regent Honeyeater habitat in 'regularly used areas' and other sites
- 2. Monitor trends in population distribution and abundance
- 3. Facilitate research on strategic questions
- 4. Manage the captive population of Regent Honeyeaters
- 5. Maintain and increase community awareness, understanding and involvement in the recovery program
- 6. Effectively administer the recovery effort



Regent Honeyeater recovery partners









Planning, Industry & Environment











Local Land Services Greater Sydney



Local Land Services North West









Australian Government











Local Land Services Central Tablelands













Environment, Land, Water and Planning





Biodiversity Conservation Trust

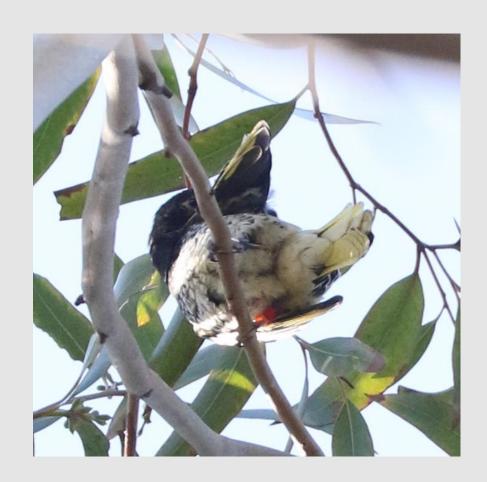
Recovery Action – Banding (2018-2019 very lean)



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Blue-Metal / Red Orange

- Female first banded in adult plumage in November 2013 at Bogee TSR in the Capertee Valley (Mugga Ironbark)
- Goulburn River spring 2017 where Ross monitored her nest successfully, fledging 2 birds. (Yellow Box)
- July/Aug 2018 Hunter Region Botanic Gardens (Blackbutt)
- Late 2019 back in the Goulburn River sitting on a nest! (Yellow Box)
- At least 9 years old, has travelled at least 425km since banding



Enhancing Regent Honeyeater habitat

- 'Bully' of temperate woodlands
- The science is in undeniably a major threat
- Listed as KTP in Vic, NSW and EPBC Act
- Evidence of destruction of active Regent Honeyeater nests



The "Noisy Miner problem"

- 'Bully' of temperate woodlands
- The science is in undeniably a major threat
- Listed as KTP in Vic, NSW and EPBC Act
- Evidence of destruction of active Regent Honeyeater nests



Noisy Miner controls (BirdLife and ANU)

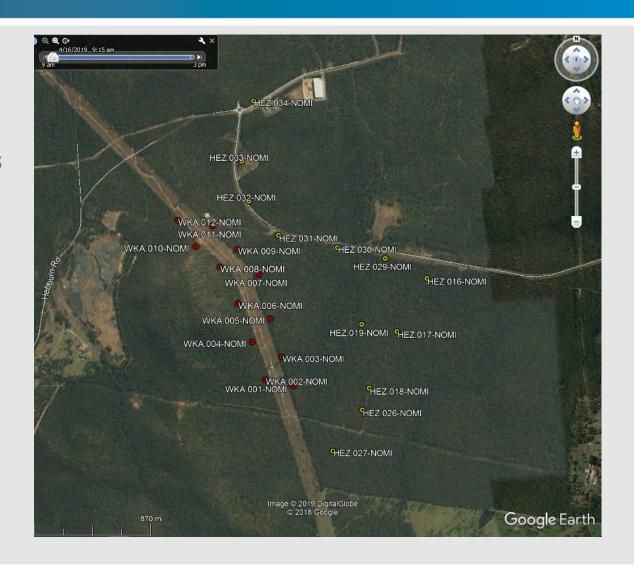
- Control at key locations
 - Capertee Valley
 - Upper Hunter
 - Lower Hunter
 - Barraba
- Removing significant numbers of miners
- Research/learnings
- Both <u>PRO</u>active and <u>RE</u>active



Noisy Miner proactive controls - Lower Hunter 2019

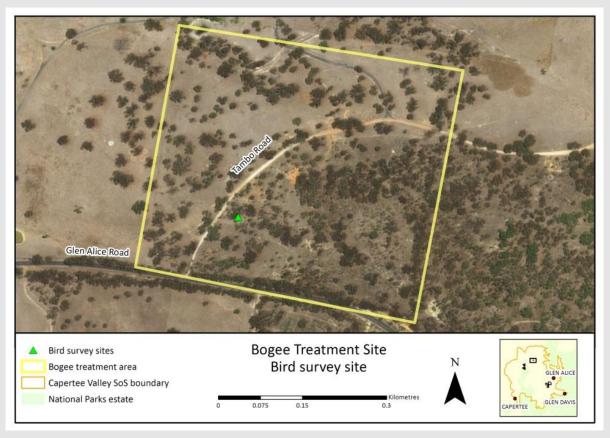
Near-complete removal from HEZ

Just a handful of birds remain!



Noisy Miner reactive control – 2017 example

5 Regent Honeyeater nests in this treatment area (Travelling Stock Reserve), and several others close by on private property

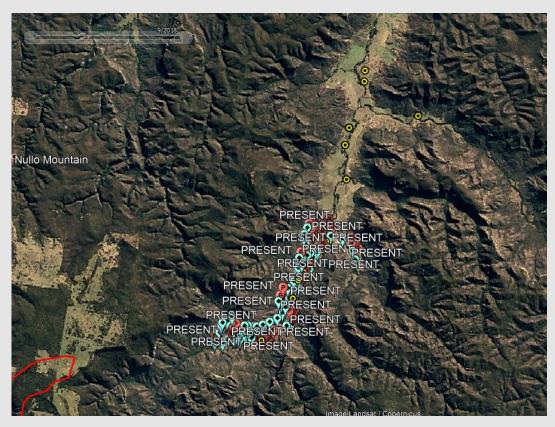


Noisy Miner controls – 2017 example



36

Large-scale removal in Widden Valley (+ GRNP)





Other nest interventions – Breeding season 2019

Collaboration between BirdLife Australia and ANU

ANU field staff were very busy in 2019 due to broad distribution of nests!

- Capertee Valley
- Goulburn River (2 sites)
- Wolgan Valley
- Western Sydney



Also deploying cameras at nest sites



birds

Recovery Action - Captive Breeding & Release

Managing the captive population of Regent Honeyeaters





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Recovery Action - Captive Breeding & Release

New aviaries at Taronga Western Plains in Dubbo

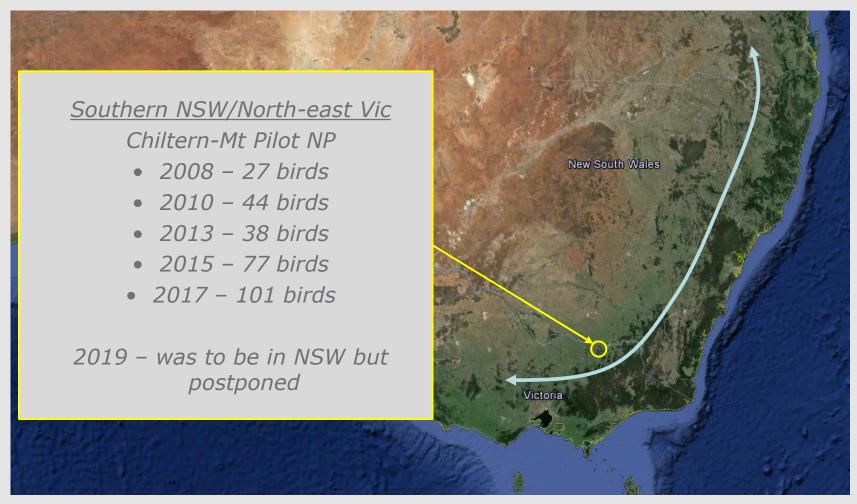


Recovery Action - Captive Breeding & Release

New aviaries at Taronga Western Plains in Dubbo



Captive Releases (pre 2020)



Captive release – it does work...

Captive birds have successfully bred with wild birds





Captive release – it does work...

Captive birds have successfully bred with each other





And captive-bred birds are capable of travel



2nd June 2019 Oxley Park (western Sydney)

2 birds - one wild/unbanded One bird from the 2017 release

And long-term survival...



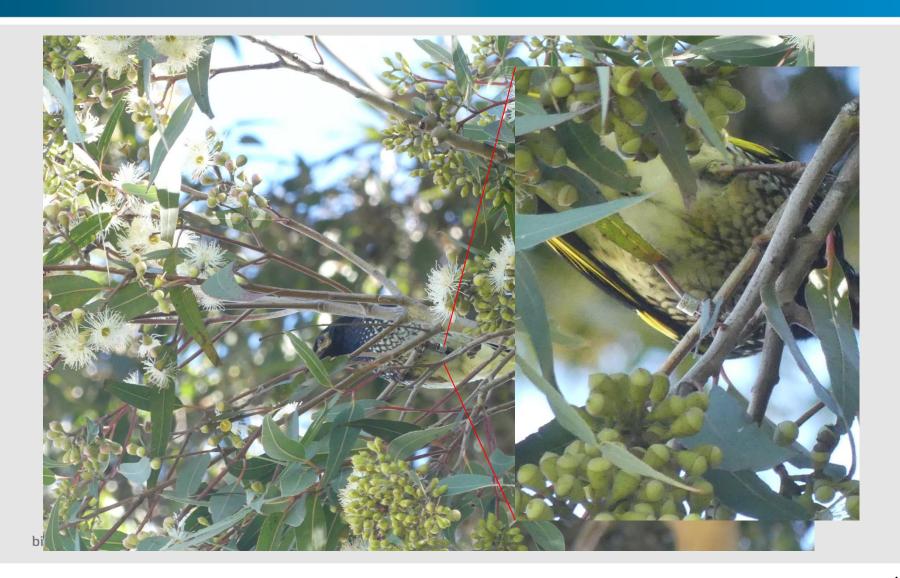
May 2020 Gippsland, Victoria

A male 2015-release bird

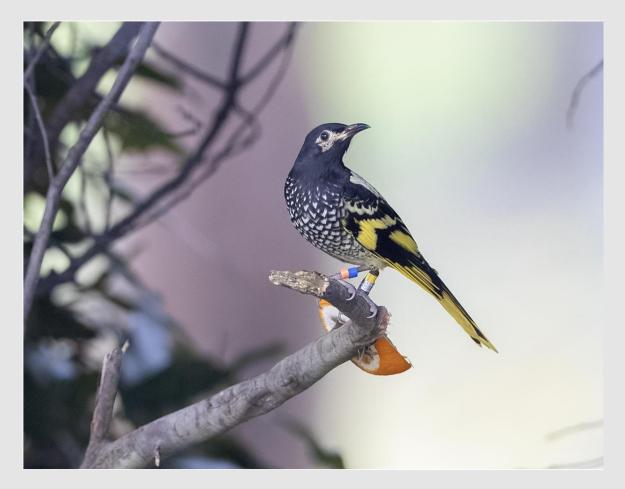
2 years old at release

First ever 5+ year 'survivor'

As we speak



2020 release – Lower Hunter Valley



2020 release – Lower Hunter Valley

- Small release (20 birds)
- 19th/21st June (10 birds each)
- 11 female / 9 male
- 13 wearing radio transmitters
- Will be monitored for 12 wks





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2020 release – Media Attention

Captive-bred regent honeyeaters successfully released in Hunter Valley, giving new hope for critically endangered species

ABC Mid North Coast / By Emma Siossian Posted Yesterday, updated Yesterday

Top Stories

Man dies of coronavirus in Victoria as state records 20 new cases

Victorians defy NSW Premier's travel edict and fly to Sydney amid Melbourne coronavirus outbreaks

Australians filmed through hacked private security cameras, live streamed on Russian-based website



10 News First 0

#EXCLUSIVE An Australian bird is hurtling toward extinction with only 350 of the animals left in the wild. | @ChrisBathTV

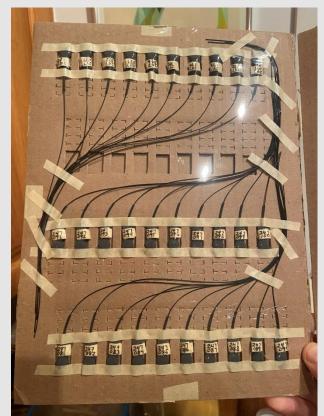


2020 release – Covid-safe transmitter fitting!

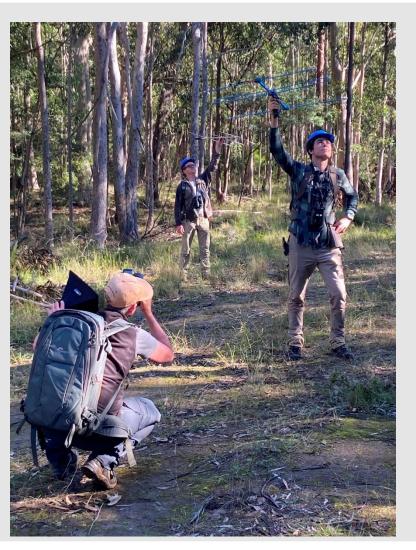


Monitoring team underway!

- Will be monitored for 12 wks
- 4 people / 7 days a week



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2020 release – background

Apiarist's assessment confirmed nectar supply for >2 months





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2020 birds – Lower Hunter 'wild birds'

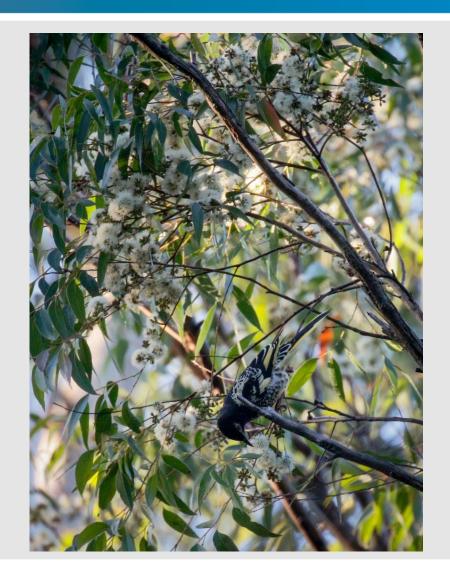
- First detected 30th May (2 birds)
- Grew to 13 birds by 17th June
- Largest concentration since 20 birds at same place in 2017
- Spotted Gum flowering





2020 birds - Lower Hunter 'wild birds'

- Stringybark also flowering
- Plenty of bud remaining in stringybark too
- Bud on ironbark and red gums



'Full circle' -released birds descendants of 2012 birds

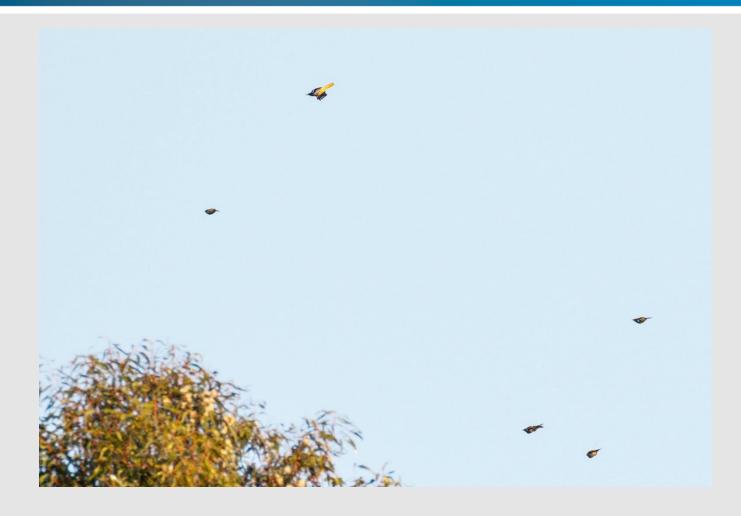


'Full circle' -released birds descendants of 2012 birds

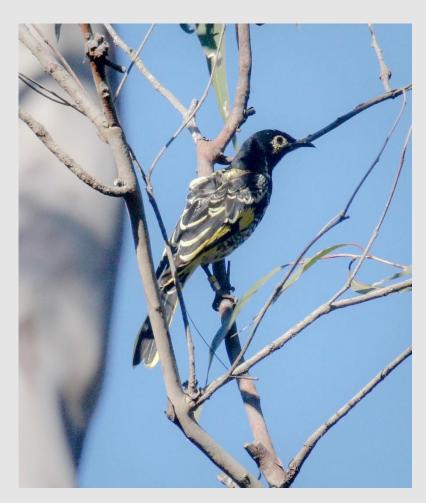
...birds captured at the same place in June 2012



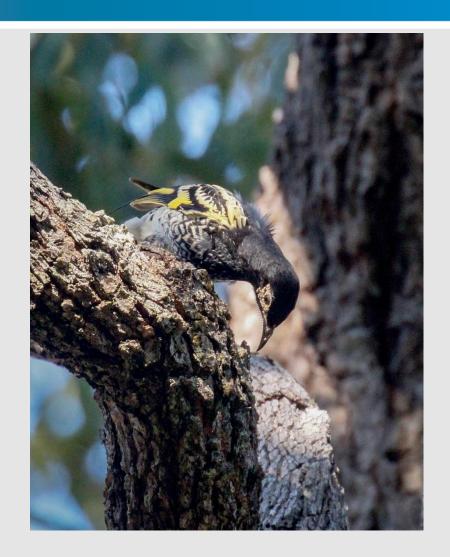
And we have mixed flocks! ©



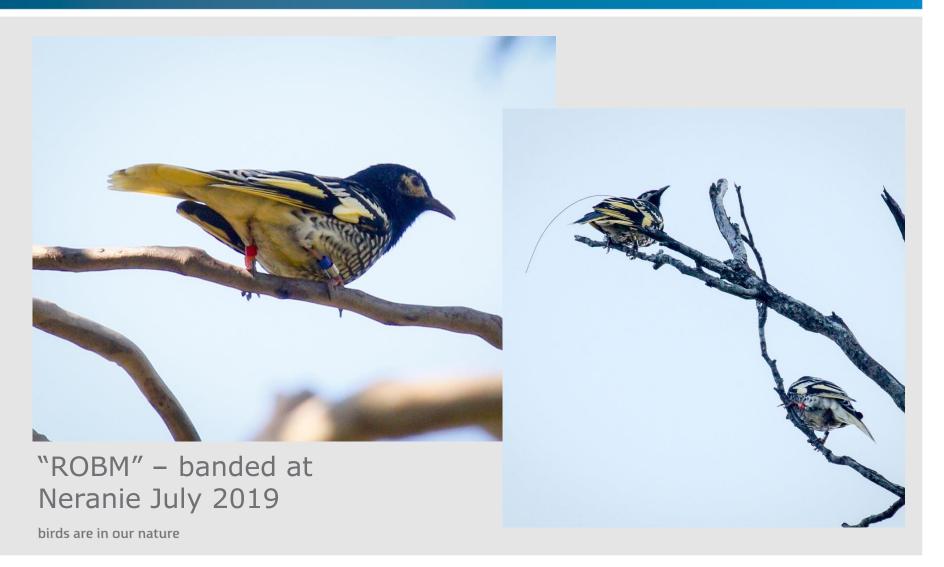
Release birds yesterday (6th July)



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Banding re-sighting – "ROBM"



"Neranie flock" – rare opportunity for Taronga



"Neranie flock" – rare opportunity for Taronga



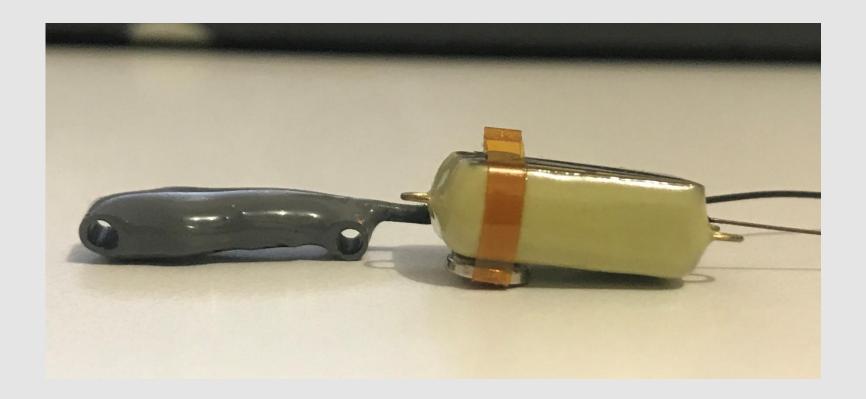
Satellite transmitters



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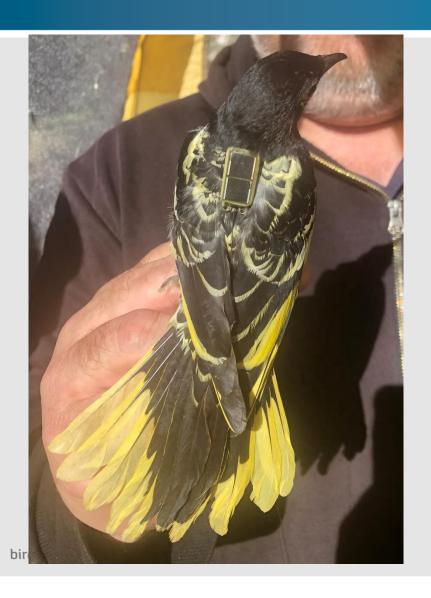
Satellite transmitters

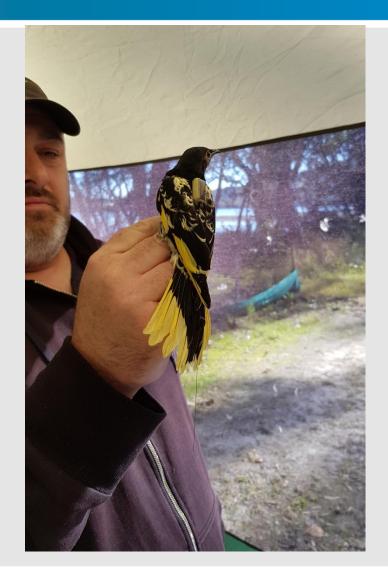


Satellite transmitters ("Reggie")

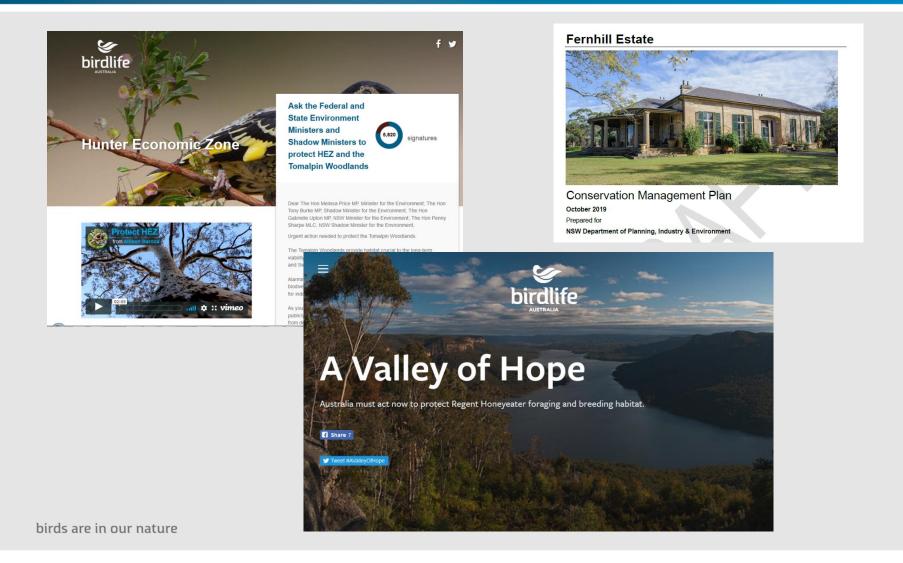


Neranie trial – bird unable to fly – back to drawing board

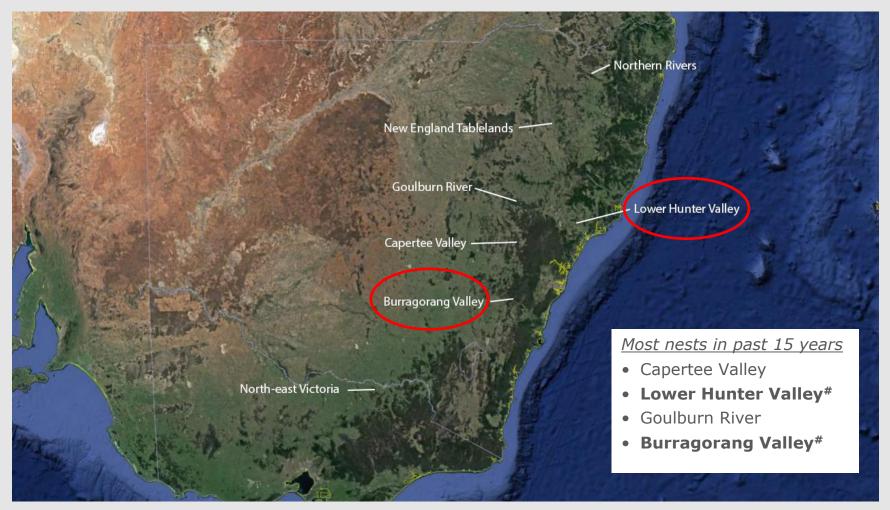




BirdLife campaigns at Regent Honeyeater breeding sites

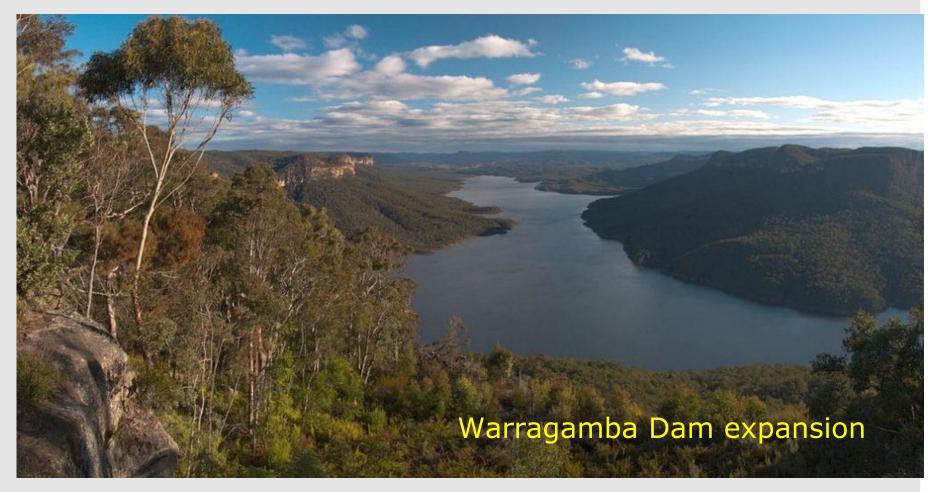


Breeding locations – past fifteen years



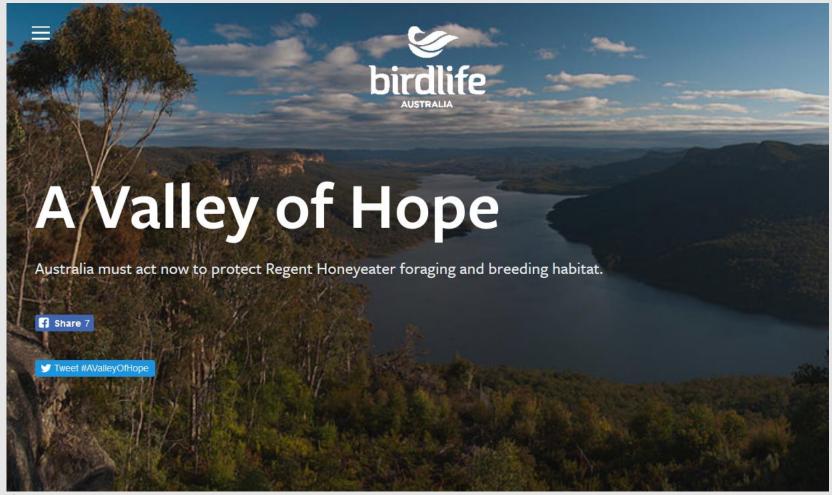
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A vitally important contemporary breeding area under threat



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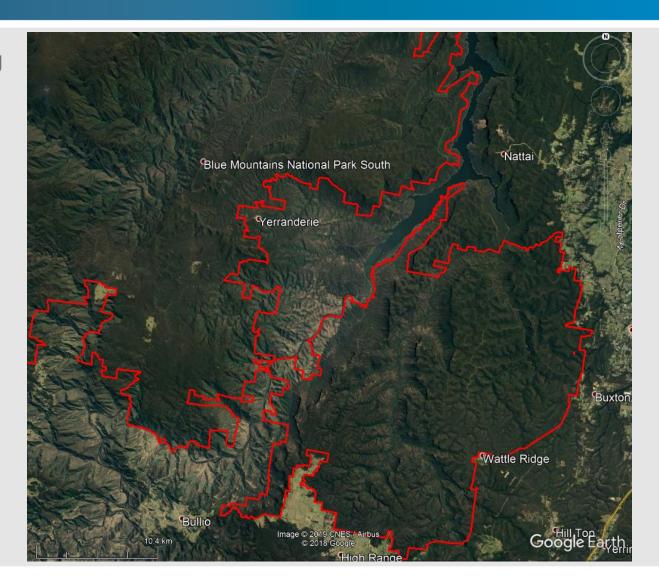
Support existing Give A Dam campaign



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Amending key Regent Honeyeater KBAs

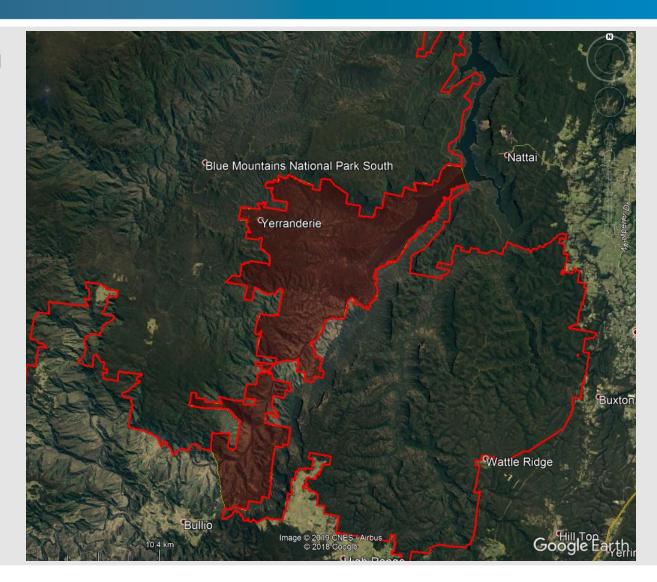
Burragorang Valley



Amending key Regent Honeyeater KBAs

Burragorang Valley

Also: Wolgan Widden Baerami



BirdLife Campaign on Fernhill

Fernhill Estate



Conservation Management Plan

October 2019

Prepared for

NSW Department of Planning, Industry & Environment

Evidence of past usage of Fernhill

- = site fidelity
- = very important!

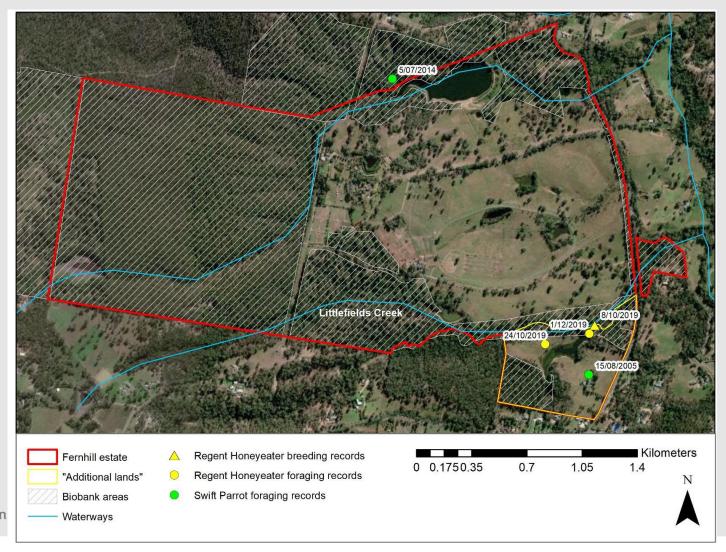
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Rare Birds Succesfully Breed in Mulgoa

Source: Greater Sydney Local Land Services *Archived 6 Apr 2020 - Posted: 10 Feb 2020*



BirdLife Campaign on Fernhill



birds are in

BirdLife Campaign on Fernhill

Fernhill Estate



Conservation Management Plan

October 2019

Prepared for

NSW Department of Planning, Industry & Environment

BirdLife coordinated submissions to NSW DPIE

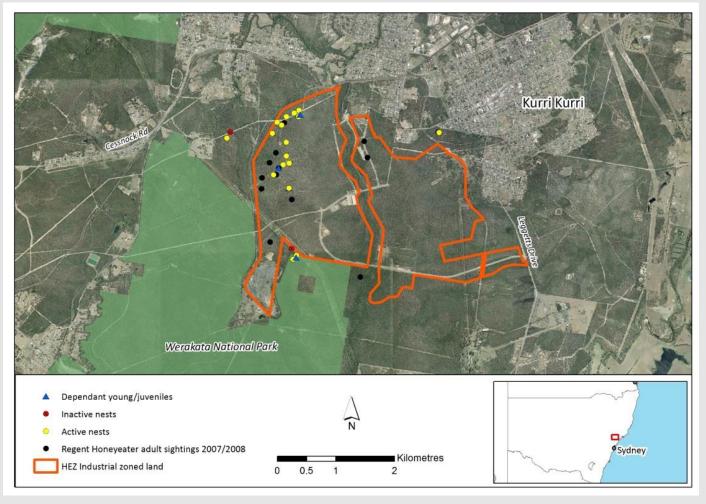
Thanks to those that submitted!

Rare Birds Succesfully Breed in Mulgoa

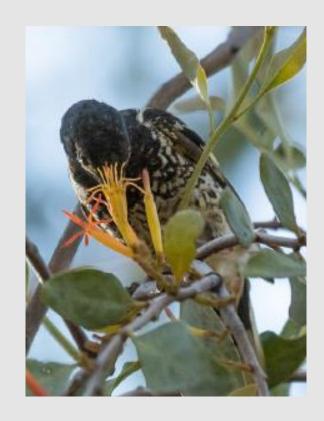
Source: Greater Sydney Local Land Services *Archived 6 Apr 2020 - Posted: 10 Feb 2020*



Hunter Economic Zone (HEZ) Campaign



Hunter Economic Zone (HEZ) Campaign





Only 2018 breeding location also under threat

40+ individuals 5 broods confirmed







Then this!!

Deal signed for huge coal-fired power plants in Hunter Valley, Hong Kong firm says

Exclusive: Local mayor briefed that Hunter economic zone site in Kurri Kurri has been earmarked for 2,000MW plant

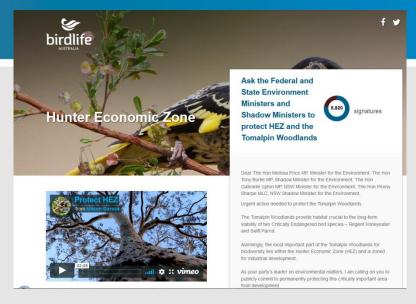


▲ The entrance to the Hunter economic zone at Kurri Kurri, the proposed site of two new coal-fired power plants.



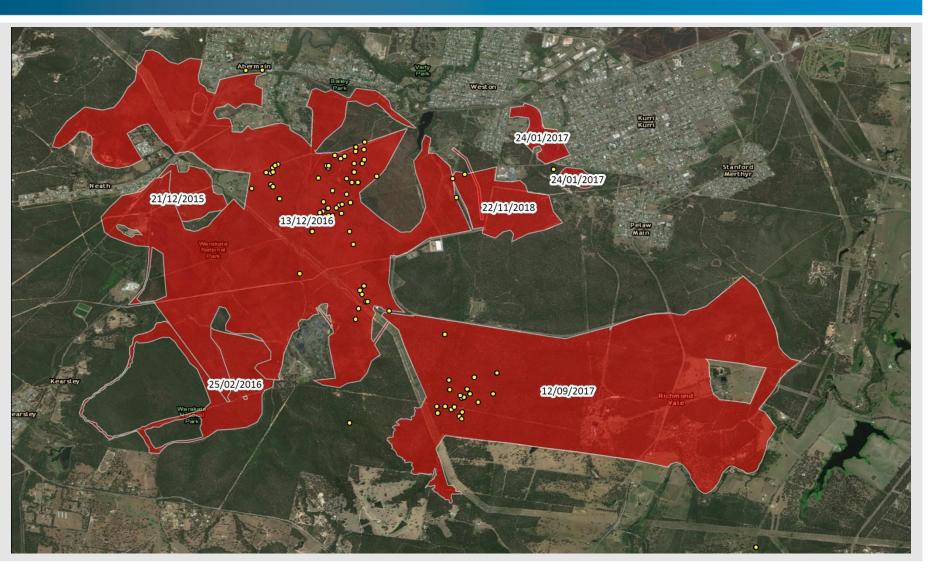
OPINIONS DIVIDED OVER POSSIBLE KURRI COAL FIRED POWER STATION

BirdLife Campaign



Actions		Timeframe
20.	Undertake an Environmental Lands Study	Immediate
5.	 Review the Cessnock Local Environmental Plan: Investigate the use of environmental zones. To ensure the land uses permissible in each of the environmental zones are consistent with the objectives of the zone. Investigate the extent of industrial zoning within the Hunter Economic Zone (HEZ) in consultation with landowners and State government agencies and rezone significant environmental lands to an appropriate environmental zone. Examine the Urban Release Areas and rezone riparian corridors to an 	Immediate

But also HEZ highly threatened by severe fires....

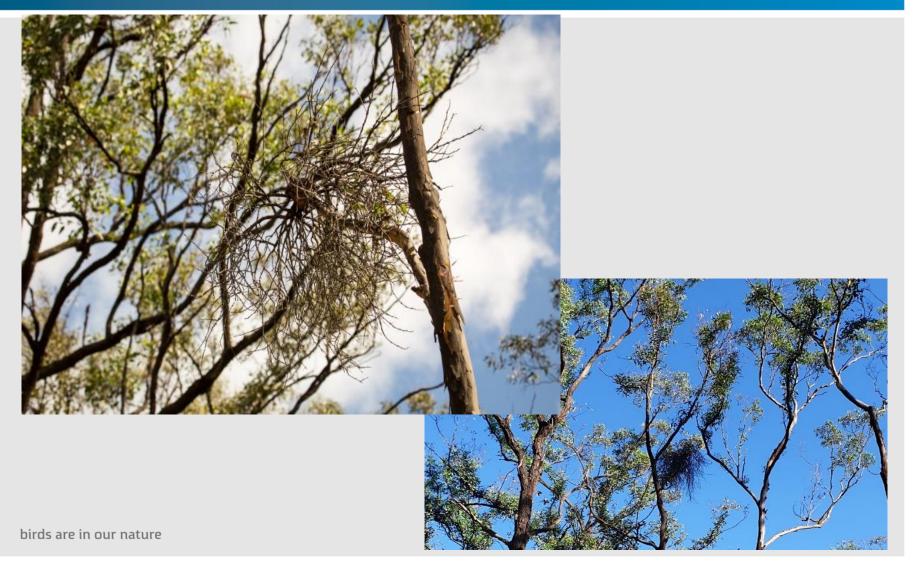


HEZ fires have been devastating





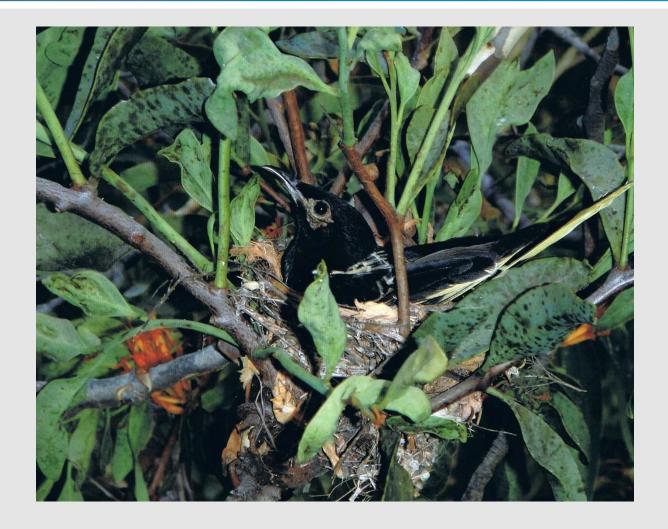
Profound impacts – mistletoe killed



Mistletoe is vital to Regent Honeyeaters here



Right Photo: Andrew Zoneff



Mistletoe recovery in HEZ



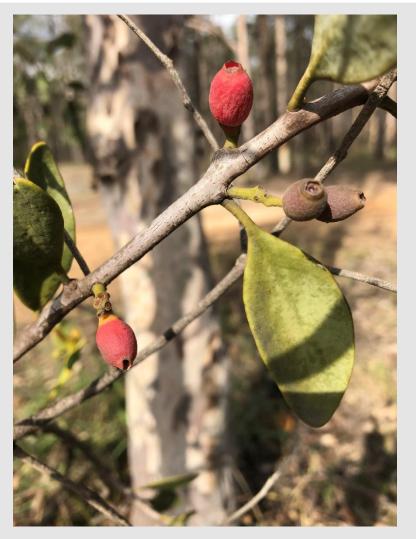
Based loosely on a City of Melbourne mistletoe project

Mistletoe recovery in HEZ - BirdLife project

Unfortunately the fruiting in 2020 hasn't looked like

this 🕾

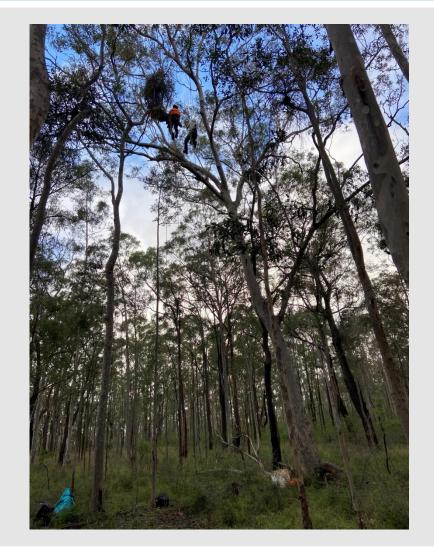




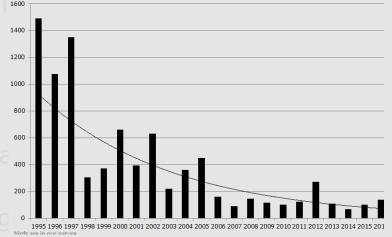
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We still managed to get ~60 seeds planted





- Continue to monitor the population
- Use innovative techniques to answer questions about movements (satellite tags)
- Continue competitor control (Noisy Min
- Investigate predator dynamics (ANU)
- Investigate Mistletoe loss
- Continue tree-planting / habitat restoration (and protection)
- Continue community awareness-raisin



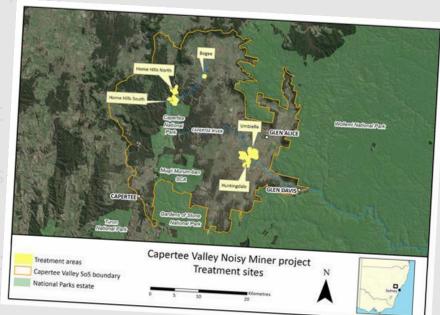
 Whilst maintaining the captive population and expanding the captive release program

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- Continue competitor control (Noisy Miners)
- Instigate predator control (long)
- Investigate Mistletoe loss
- Continue tree-planting / habitat (and protection)
- Continue community awareness
- Whilst maintaining the captive expanding the captive release



- Continue to monitor the population
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- Continue competitor control (Noisy Miners)
- Investigate predator dynamics (nest cameras)
- Investigate and fix Mistletoe loss
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 (and protection)
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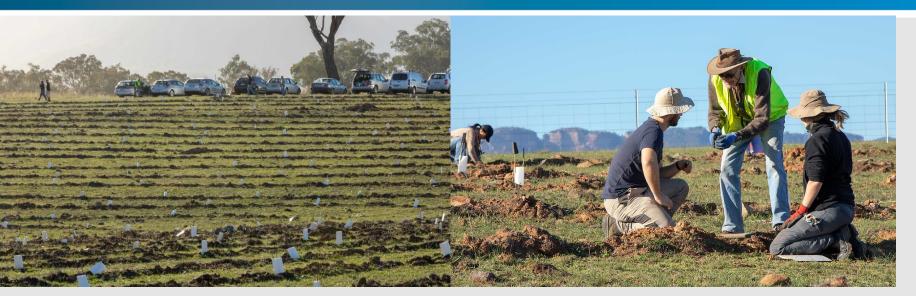


Whilst maintaining the captive population and expanding the captive release program

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 Continue tree-planting / habitat restoration (and protection)

Continue community awareness-raising

 Whilst maintaining the captive population a expanding the captive release program







 Whilst maintaining the captive population and expanding the captive release program

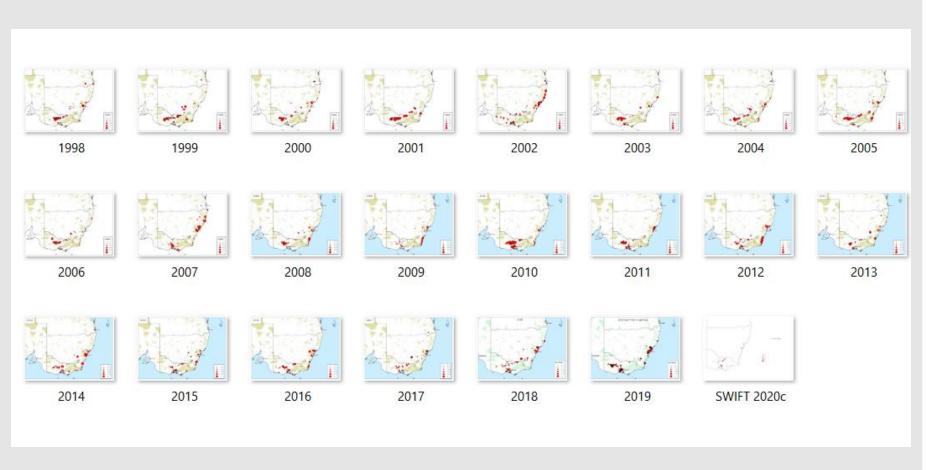
Swift Parrot recovery

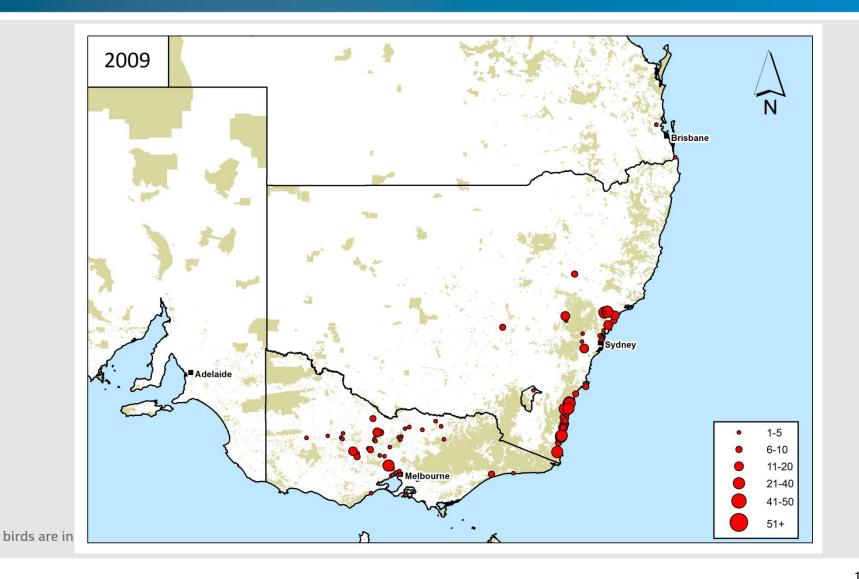
- Woodland bird program mostly involved with mainland issues and promotion of reporting birds & the sightings database
- Dean Ingwersen current chair of Swift Parrot recovery team

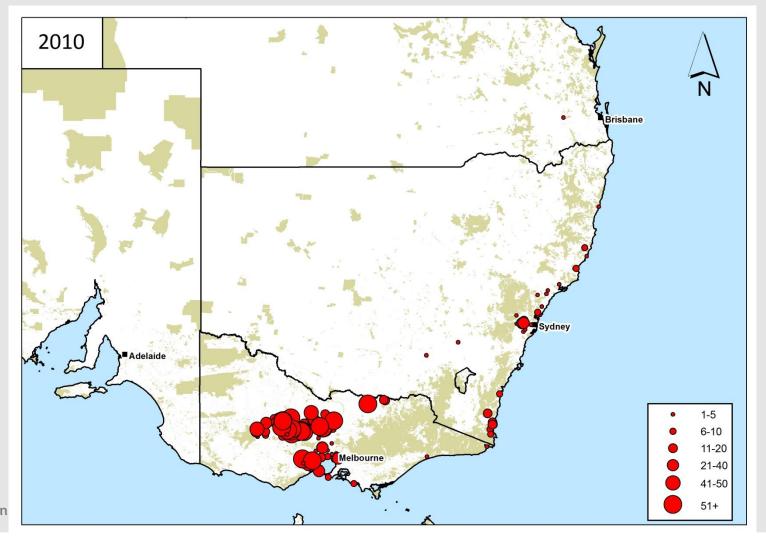


- Over time we get a good grasp on what are high priority areas / sites (and hence where to focus recovery work)
- Only possible with volunteer support and reporting birds

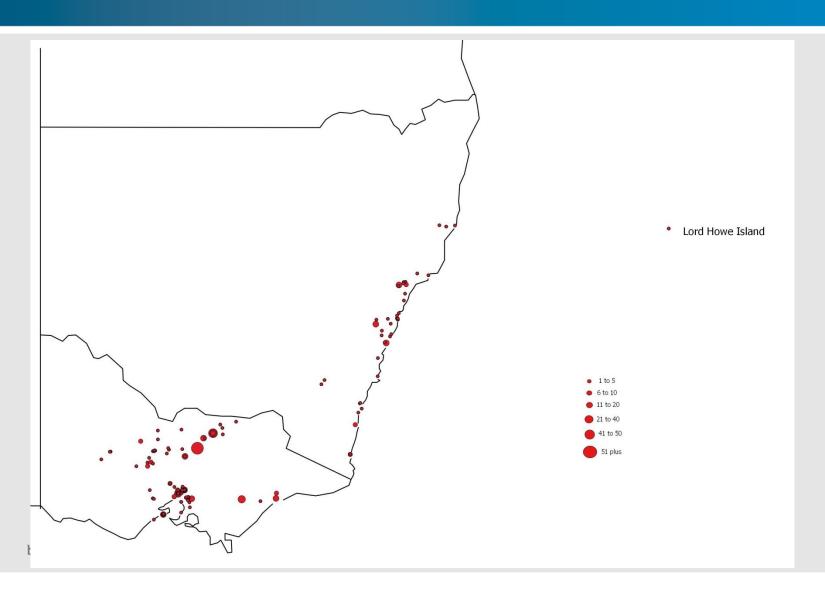






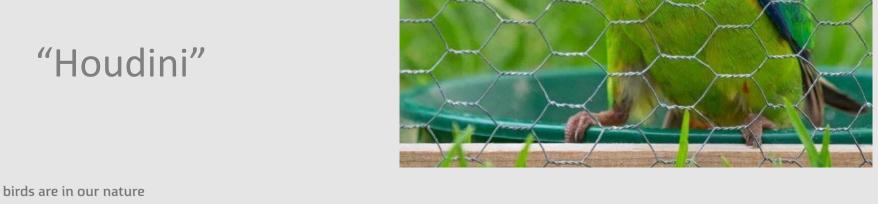


Swift Parrot – so far in 2020 – not many in NSW/Qld



Yes that red dot in the Pacific is correct!

Image: Supplied: Jack Shick Critically endangered swift parrot found in chook pen on Lord Howe Island, miles off migratory course On Your Afternoon with Jane Longhurst Download 3.29 MB Share (f) (y) Ornithologist Mark Holdsworth tells Jane Longhurst about a swift parrot found in a chook pen miles off its migratory course. "Houdini"



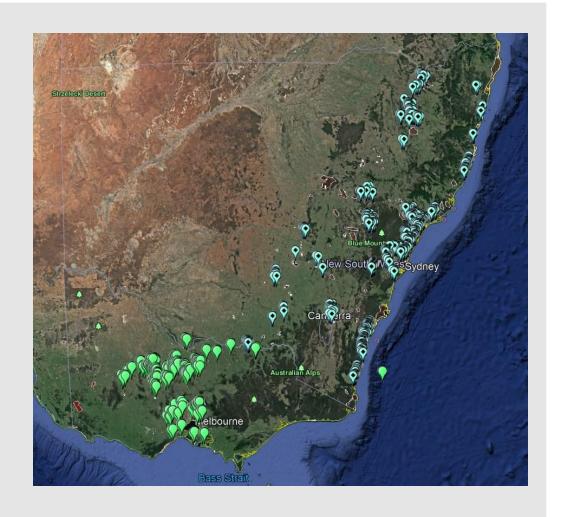
Freedom!





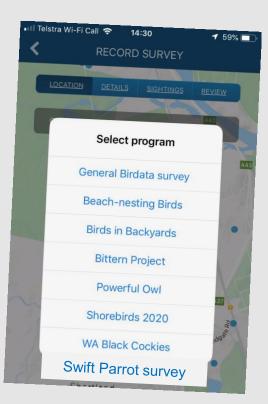
Swift Parrot mainland monitoring – a change is the air

- In conjunction with ANU
- ± 4000 survey points
 - All on public land
 - Where SP known to occur historically
 - Where they could potentially occur based on habitat, landscape, climate, etc.
- Robust and repeatable scientific data collection
- Continental-scale flowering patterns



Swift Parrot mainland monitoring

- Survey points visited twice per year
 - 4-6 week period in Autumn
 - 4-6 week period in late Winter / early Spring
- Rapid assessment: 5 minute 50 metre radius
 - Presence of Swifties
 - Counts for all other bird species
 - Flowering intensity of various eucalypts
- Support material for birdwatchers
- Apps, website and datasheets for data
- 2019 ground-truthing, trial-run 2020, full roll-out 2021



Swift Parrot Nature Laws Campaign

- Particularly important in wake of fires
- As much as 30% of Swift Parrot habitat on the Australian mainland has been fire-affected

Proposed NSW logging laws value timber over environmental protection

by Oisín Sweeney, The Conversation

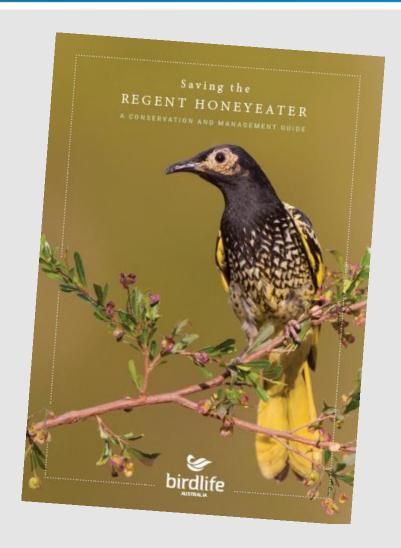


Increased logging in NSW could affect threatened species. Credit: Nativesrule,...



'Warm' off the press - Regent Honeyeater booklet





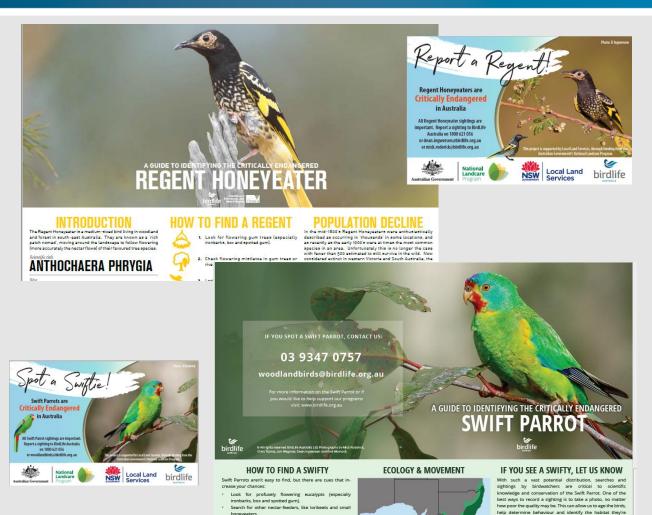
Plenty of materials available -booklets, magnets etc

using. Wherever possible, it is also important to document:

Number of Swift Parrots seen (and/or heard)

Behaviour and other species present

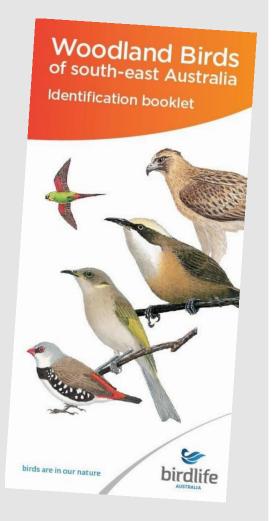
Location (as specific as possible)



off. This is often the only way you will know they

are there. You can hear the call by visiting here:

www.birdlife.org.au/bird-profile/swift-parrot



Contact details

To report Regent Honeyeaters (or Swift Parrots)

Freecall 1800 621 056 / 0421 761237 / mick.roderick@birdlife.org.au

Or woodlandbirds@birdlife.org.au

National survey weekends – 3rd weekend in May + 1st weekend in August each year – **EXCEPT 2020**!

Just as important to be looking any time...

And records are very important at any time

Thanks for listening!

