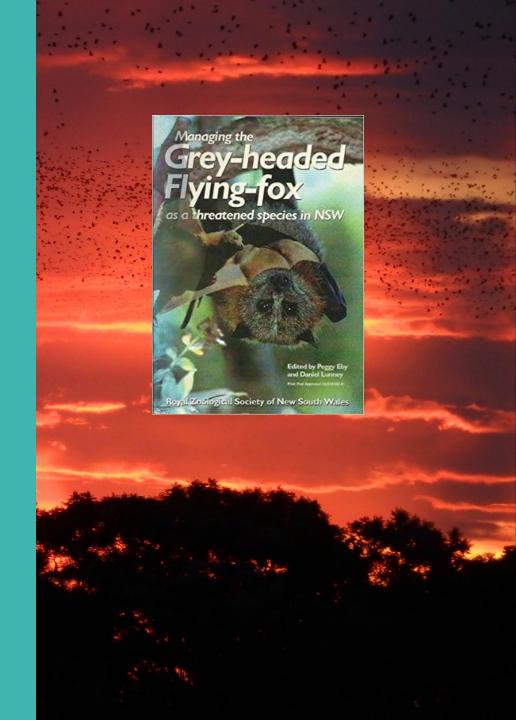




First listed as vulnerable in NSW in 2001, the management of the grey-headed flying-fox has changed enormously in the past two decades.

Book cover courtesy of the Royal Zoological Society of NSW Background photo: Matthew Mo







Flying-foxes and commercial orchards

2001 Formation of the NSW Flying-fox

Consultative Committee

2008 Independent review of flying-fox

licensing

2011 – 2017 Flying-fox Netting Subsidy Program

2015 Special circumstances for issuing

licences to shoot flying-foxes

July 2020 Further restrictions to special

circumstances

July 2021 Phase out of licences to shoot flying-

foxes







Flying-foxes and commercial orchards

Flying-fox Netting Subsidy Program

- Funded by NSW Environmental Trust
- Total investment of \$7.1 million
- Funded 50% of cost of purchasing and installing exclusion netting in commercial orchards
- Achieved netting of 182 ha of crops in the Sydney Basin and Central Coast, and 503 ha in the remainder of NSW
- For full-canopy netting, maximum allowable mesh apertures were 30 mm diameter
- For throw-over netting, maximum allowable mesh apertures were 5 mm diameter







Flying-foxes in urban areas

A few highlights ...

- Flying-fox Camp Management Policy 2015
- NSW Flying-fox Land Managers' Network
- Delivery of Flying-fox Grants Program
- Development of resources
 - Camp management plan template
 - Education materials
 - FlyingfoxEngage
 - Camp management case studies
 - Review of subsidy programs
 - Review of camp dispersal outcomes







Flying-foxes in urban areas

Flying-fox Grants Program

- Total investment of >\$1.7 million from 2016 to 2020
- Funded 74 projects implemented by 39 land managers
- Projects involved:
 - o preparation of camp management plans
 - o community engagement and education
 - buffer creation
 - habitat restoration
 - heat stress mitigations
- None of these funds were spent on camp dispersals







Flying-foxes in urban areas

Updated study of camp dispersals

- Review of outcomes of 48 camp dispersals
- In 88% of cases, replacement camps formed within 1
 km and became sites of transferred conflict
- In 58% of cases required repeat actions over months or years
- Only 23% of cases were considered 'successful' but required extensive destruction of roost habitat
- No dispersal attempts costing less than \$250k proved successful
- Study reinforces preference for in-situ management
- Soon to be published in Australian Journal of Zoology



From cleared buffers to camp dispersal: nitigating impacts of the Kareela flying-fox amp on adjacent residents and schools

and Beth Noël²

Department of Industry, Planning and Environment, Saving our Species Program, Biodiversity and Conservation Division, PO Box A290, Sydney South, NSW 1232.

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contact of flying-fox camp management, in addition to flying-fox ecology.

Key words: Camp management, Grey-hauted Pying-fox, human-width confex, Pengus poloophata, when exist

Introduction

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Congregations of a threatened species: mitigating impacts from Grey-headed Flyingfox Pteropus poliocephalus camps on the

Matthew Mo¹*, Make Roache¹, Deb Lenson¹, Heldi Thomson¹, Mitchell Jarvis², Natalie Foster², Angle Radford³, Lorraine Oliver

Damon L. Oliver³ and Joss Bentley³ Department of Planning, Industry and Environment, Saving our Species Program Concernation Division, Conservation Programs, 4 Parrametta Square, 12 Parrametta, NOV 2150

Parrametta, NSW 2150.

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Population trends

National Flying-fox Monitoring Program

- A collaboration between the Commonwealth and state governments and CSIRO
- Involves a number of volunteers, land managers, departmental staff and community organisations
- Quarterly censuses since November 2012
- Ongoing, though some recent disruptions due to COVID-19 pandemic







Habitat restoration

- Numbers of restoration projects being implemented through Saving our Species and other organisations
- Others funded by Flying-fox Grants Program
- Flying-fox Habitat Restoration Program
 - \$5 million from NSW Environmental Trust
 - Being administered by Local Government NSW







Combating flying-fox mortalities

A few recent highlights ...

- Consultation to clarify roles and responsibilities in heat stress management
- Heat stress research partnership
- Collaborative documentation of 2019-20 extreme heat events
- Support of wildlife carers
 - Partnership with Woolworths during 2019-20 extreme heat events
 - Updated Code of Practice for Injured, Sick and Orphaned Flying-foxes and other resources







Cross-jurisdictional collaboration

Multiregional species funding

- A Commonwealth funding package
- Saving our Species coordinating grey-headed flying-fox stream
- Project proposals were sought, resulting in 93 expressions of interest
- Triage of project proposals was assisted by a working group of 13 species experts, 5 state/territory govt representatives and 2 local govt representatives
- Commonwealth shortlisted 12 projects, totalling \$970k
 in proposed funding



Please get in contact!

Flying.Fox

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