



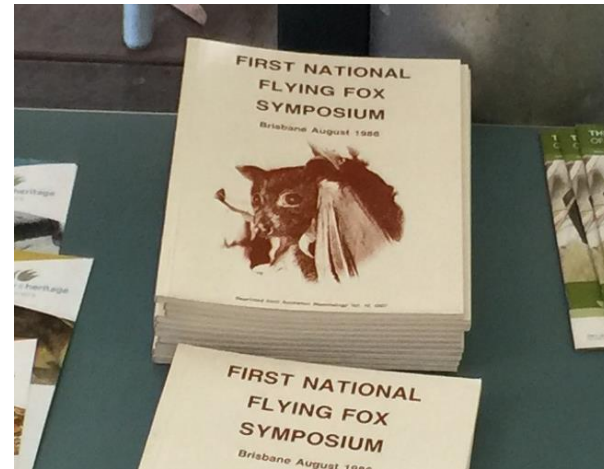
Forum context and background

Emily Hatfield

November 2018

1986 First National Flying-fox Symposium

- Les Hall 1986 Introductory notes:
- “a forum for the exchange of knowledge, problems and ideas between fruit-growers, researchers, fauna authorities, State agricultural officers and interested public”
- “establishing a benchmark in our knowledge of flying-fox biology & determining useful directions for current and future research in flying-fox control and management”



Brisbane 2016



Field survey to Sunshine Coast Council Emerald woods camp and Moreton Bay Regional Council Redcliffe Botanical Gardens

National Flying-fox Strategic Vision

Our goal

To establish a consistent and strategic approach to flying-fox management across Australia to mitigate impacts associated with flying-foxes while ensuring their conservation.

Core themes

The National Flying-fox Strategic Vision is based on four key themes:

- species and habitat conservation
- camp management
- policy and research
- responsibilities and stewardship.



Species and habitat conservation

- Principle 1: Protection is afforded to all species with increased emphasis on our threatened species to allow population recovery
- Principle 2: Threatening processes to flying-foxes are identified and their impacts are understood in order to prevent further population decline
- Principle 3: Foraging, roosting and breeding habitat is protected and enhanced through designation and restoration to enable population recovery and maintenance

Camp management

- Principle 4: Advocate for appropriate management actions that are humane, legal and minimise risk of harm to flying-foxes and their habitat
- Principle 5: Ensure consistent spatial and temporal monitoring around camp management actions
- Principle 6: Encourage a strategic approach to resolving human/flying-fox conflict where mediation and education are the primary focus
- Principle 7: Camp management is to be risk-based with actions backed up with scientific evidence

Policy and research

- Principle 8: Advocate for the appropriate level of protection for flying-foxes and their habitat
- Principle 9: Land use planning policy is used effectively to prevent future human/flying-fox conflict
- Principle 10: Continue research to better understand flying-fox movements and population dynamics in order to find more innovative ways to address conflict

Responsibilities and stewardship

- Principle 11: Build relationships with community, industry and government stakeholders
- Principle 12: Encourage a coordinated and consultative approach to conservation and management at a national level
- Principle 13: Improve public perception and profile of flying-foxes

Acknowledgements

The National Flying-fox Strategic Vision has been prepared on behalf of EIANZ by:



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Endorsements



Green Tape Solutions
Quality. Integrity. Experience

We gratefully acknowledge contributions made by attendees of the National Flying-fox Forum 2016 held at the Griffith University EcoCentre, Brisbane, including representatives from:

- | | |
|---|------------------------------------|
| Adair Ecological Solutions | Hinchinbrook Shire Council |
| Australasian Bat Society | Hunter Councils |
| Australian Bat Clinic | Ipswich City Council |
| Balance Environmental | Lockyer Valley Regional Council |
| Bat Conservation & Rescue Qld Inc | Logan City Council |
| Bat Rescue | Moreton Bay Regional Council |
| Bats Qld | Mackay Regional Council |
| Brisbane Airport Corporation | Mount Isa City Council |
| Brisbane City Council | Noosa Council |
| Cairns Regional Council | North Burnett Regional Council |
| Cardno | Northern Beaches Council |
| City of Gold Coast | Office of Environment and Heritage |
| CSIRO | Queensland Herbarium |
| Department of Environment and Heritage Protection | Redland City Council |
| Department of the Environment and Energy | Royal Botanic Garden Sydney |
| Department of Transport and Main Roads | SEQ Catchments |
| Eco Logical Australia | Somerset Regional Council |
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| Green Tape Solutions | Whitsunday Regional Council |

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Parliamentary enquiry, two submissions and round-table attendance November 2016



Meeting with Threatened Species Commissioner



Sydney 2017



Workshops focussed on policy development and research

Research Gaps

Heat Stress Event Guidelines



National Flying-fox Forum 2017 – Research Gap Analysis

TOPIC 1: CAMP MANAGEMENT	
1	odour neutralising trial
2	buffer distances for different issues e.g. odours/noise
3	coffee grounds for odour
4	national/state/regional context platform (common resource)
5	artificial roost structures - review, uses, options to improve
6	level of defoliation that leads to camp abandonment
7	calendar of what is going on with FF at any time of year
8	cost estimates for each different management option actions as a central resource
9	provide shade over artificial habitat - dome has been trialled but issues for FF flight paths
10	estimating potential capacity of a camp
11	mapping current and potential roost and foraging habitat at state and local level
12	monitoring: citizen science, data entry, NESP app / NatureMap / extension of CSIRO website?
13	co-design with community and engagement people
14	predictive flowering across FF range to assist predicting FF movements
15	use of NatureMap
16	noise / time of night - monitoring noise in predictive abilities
17	need more methods to attract / deter - pheromones? colours? decoys? Need to trial methods from Melbourne Botanic Gardens again, using LRFF may assist
18	does improving foraging habitat in area make camp more attractive?
19	need more info about improving sites and restoring camps (e.g. removing weeds)
20	need better dissemination of available information
TOPIC 2: SPECIES & HABITAT CONSERVATION	
21	better understanding of large scale habitat use to inform foraging habitat restoration
22	develop a plan for foraging habitat restoration
23	what price signals are needed for people to invest in biobanking offsetting for FF habitat
24	determine economic value of FFs to assist conflict management
25	understanding individual camp size range, including maximum, and seasonality

Cairns 2018



- Regional and spectacled flying-fox focus
- Little red flying-foxes
- Education and engagement

