



## SAVING OUR SPECIES

# Eastern Coastal Free-tailed Bat

2019-2020 annual report card

### Summary

<b>Management sites</b>	Castlereagh Nature Reserve; Prospect Nature Reserve; Scheyville National Park; Wianamatta Nature Reserve; Wianamatta Regional Park
<b>Action implementation</b>	5 (of 5) management actions were fully or partially implemented as planned for the financial year.
<b>Total expenditure</b>	\$1,313 (\$0 cash; \$1,313 in-kind)
<b>Partners</b>	Environment, Energy and Science; Greater Sydney Landcare Network; NSW Environmental Trust; University of Sydney



**Scientific name:**  
*Micronomus norfolkensis*



**NSW status:**  
Vulnerable

**Commonwealth status:**  
Not listed

**Management stream:**  
Landscape species

Photo: Pavel German

# Priority management site: Castlereagh Nature Reserve

<b>Local government area:</b> Penrith	<b>Population outcome</b>
<b>Partners:</b> Environment, Energy and Science; Greater Sydney Landcare Network; NSW Environmental Trust; University of Sydney	<div>  On track            On track (inferred)            <b>Not on track (inferred)</b>  Not on track         </div> <p>The species population is inferred to be off track based on threat management being off track. The population trend is unknown at this time.</p>

## Monitoring

*Species population monitoring by one or more methods indicates response to management over time and provides an outcome measure.*

<b>Monitoring metric</b>	Species abundance
<b>Annual target</b>	Continue to develop monitoring, evaluation and reporting plan. Completion not required until September 2020.
<b>Long term target</b>	To be determined.
<b>Monitoring result</b>	Monitoring, reporting and evaluation plan is being developed. Baseline monitoring has not yet been conducted.
<b>Scientific rigour of monitoring method</b>	Not applicable
<b>Conducted by</b>	Environment, Energy and Science; Greater Sydney Landcare Network; NSW Environmental Trust

## Investment

Participant	Cash	In-kind
Environment, Energy and Science	\$0	\$175
University of Sydney	\$0	\$88

## Management actions

*The following actions are those identified as being required in financial year 2019-2020 to secure the species in the wild.*

Threat	Management action	Implemented as planned?
Loss of hollow-bearing trees.	Continue to develop monitoring, evaluation and reporting plan. Completion not required until September 2020.	Partial implementation - Monitoring description, metric and objective will be informed by project monitoring evaluation reporting plan, completed by September 2020. Monitoring is now scheduled to commence post September 2020.

## Threat outcome





*Assessment on the status of critical threats at this site.*

Threat	Annual target	Threat status
Loss of hollow-bearing trees.	Continue to develop monitoring, evaluation and reporting plan. Completion not required until September 2020.	Not assessed

## Site summary

This site is part of a contestable grant project led by Greater Sydney Landcare Network. This project is managing threats to the eastern coastal free-tailed bat at five sites. The project has recently commenced on-ground management actions and in 2019-20 site visits have been conducted to identify planning constraints and determine logistics for proposed management actions. These are being captured within the Hollow Dependents Monitoring Evaluation and Reporting Plan.

# Priority management site: Prospect Nature Reserve

<b>Local government area:</b> Blacktown	<b>Population outcome</b>
<b>Partners:</b> Environment, Energy and Science; Greater Sydney Landcare Network; NSW Environmental Trust; University of Sydney	<div>  On track            On track (inferred)            <b>Not on track (inferred)</b>  Not on track         </div> <p>The species population is inferred to be off track based on threat management being off track. The population trend is unknown at this time.</p>

## Monitoring

*Species population monitoring by one or more methods indicates response to management over time and provides an outcome measure.*

Species population monitoring was not conducted at this site this financial year - Monitoring description, metric and objective will be informed by project monitoring evaluation reporting plan, completed by September 2020. Monitoring is now scheduled to commence post September 2020.

## Investment

Participant	Cash	In-kind
Environment, Energy and Science	\$0	\$175
University of Sydney	\$0	\$88

## Management actions

*The following actions are those identified as being required in financial year 2019-2020 to secure the species in the wild.*

Threat	Management action	Implemented as planned?
Loss of hollow-bearing trees.	Continue to develop monitoring, evaluation and reporting plan. Completion not required until September 2020.	Partial implementation - Monitoring description, metric and objective will be informed by project monitoring evaluation reporting plan, completed by September 2020. Monitoring is now scheduled to commence post September 2020.

## Threat outcome

*Assessment on the status of critical threats at this site.*

Threat	Annual target	Threat status
Loss of hollow-bearing trees.	Maintain or reduce level of threat. Continue to develop monitoring, evaluation and reporting plan. Completion not required until September 2020.	Not assessed

## Site summary

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# Priority management site: Scheyville National Park

**Local government area:**  
Hawkesbury

**Partners:**

Environment, Energy and Science; Greater Sydney Landcare Network; NSW Environmental Trust; University of Sydney

## Population outcome



On track



On track (inferred)



**Not on track (inferred)**



Not on track

The species population is inferred to be off track based on threat management being off track. The population trend is unknown at this time.

## Monitoring

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## Investment

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University of Sydney	\$0	\$88

## Management actions

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Threat	Management action	Implemented as planned?
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## Threat outcome

*Assessment on the status of critical threats at this site.*

Threat	Annual target	Threat status
Loss of hollow-bearing trees.	Continue to develop monitoring, evaluation and reporting plan. Completion not required until September 2020.	Not assessed

## Site summary

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# Priority management site: Wianamatta Nature Reserve

<b>Local government area:</b> Penrith	<b>Population outcome</b>
<b>Partners:</b> Environment, Energy and Science; Greater Sydney Landcare Network; NSW Environmental Trust; University of Sydney	<div> <div></div> On track                     </div> <div> <div></div> On track (inferred)                     </div> <div> <div></div> <b>Not on track (inferred)</b> </div> <div> <div></div> Not on track                     </div>
	The species population is inferred to be off track based on threat management being off track. The population trend is unknown at this time.

## Monitoring

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## Investment

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## Management actions

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## Threat outcome

*Assessment on the status of critical threats at this site.*

Threat	Annual target	Threat status
Loss of hollow-bearing trees.	Continue to develop monitoring, evaluation and reporting plan. Completion not required until September 2020.	Not assessed

## Site summary

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# Priority management site: Wianamatta Regional Park

**Local government area:**  
Blacktown; Penrith

**Partners:**

Environment, Energy and Science; Greater Sydney Landcare Network; NSW Environmental Trust; University of Sydney

## Population outcome



On track



On track (inferred)



**Not on track (inferred)**



Not on track

The species population is inferred to be off track based on threat management being off track. The population trend is unknown at this time.

## Monitoring

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## Threat outcome

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Saving our Species 2019-2020 annual report card for Eastern Coastal Free-tailed Bat (*Micronomus norfolkensis*). For more information refer to the specific strategy in the Saving our Species program.