

# The challenge of dealing with collision risk



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and Sustainability**



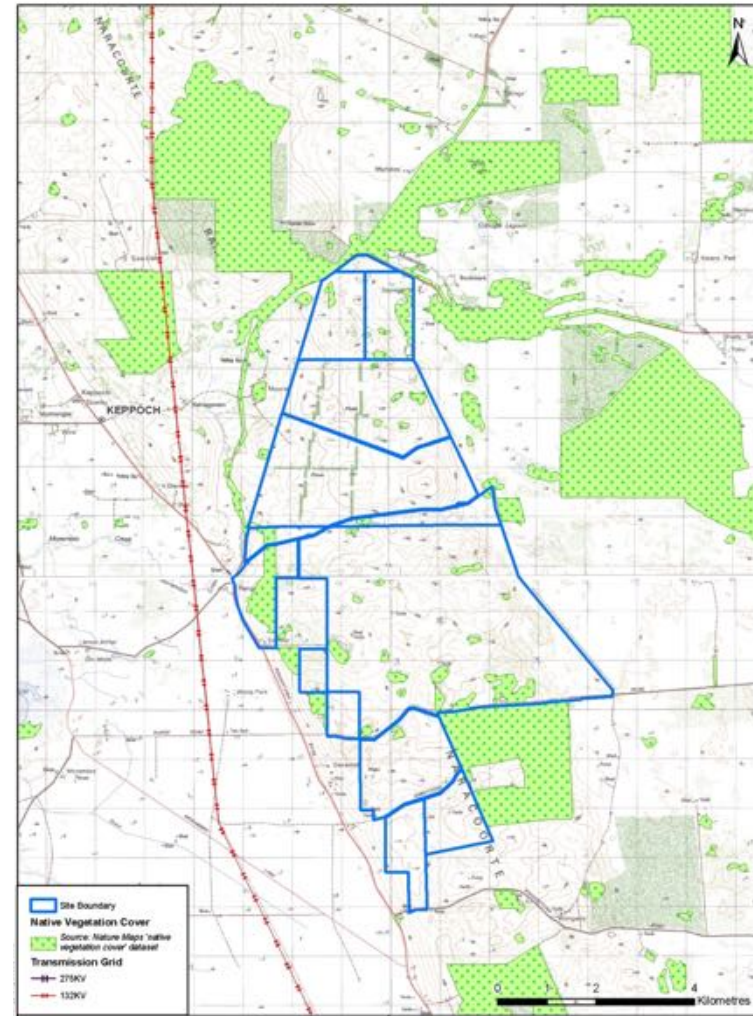
# ACCIONA in Australia

- Operational wind farms
- Constructed PV plant
- Development sites



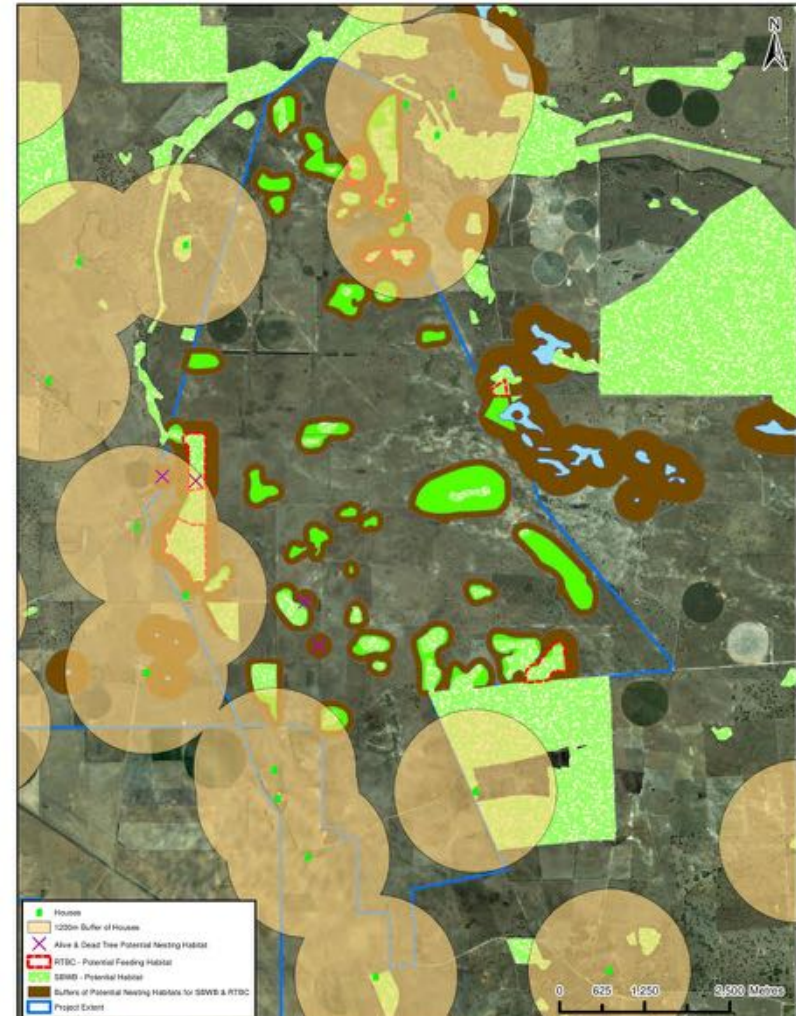
# A potential wind farm site

- Good wind resource
- Grid connection opportunities
- Landowners
- Limited native vegetation



# Constraints surveys to shape the design

- Initial constraints assessments
  - Native vegetation
  - Cultural heritage
  - Noise and shadow flicker
  - Bird and bat utilisation surveys





# Collision Risk

- Red-tailed Black Cockatoo
- Southern Bent-wing Bat
- But are they at significant risk?



# Red-Tailed Black Cockatoo

## Assessments

- Comprehensive RTBC habitat suitability survey
- Onsite RTBC survey
- Offsite RTBC to understand behaviour
- Consult with experts of flight behaviour

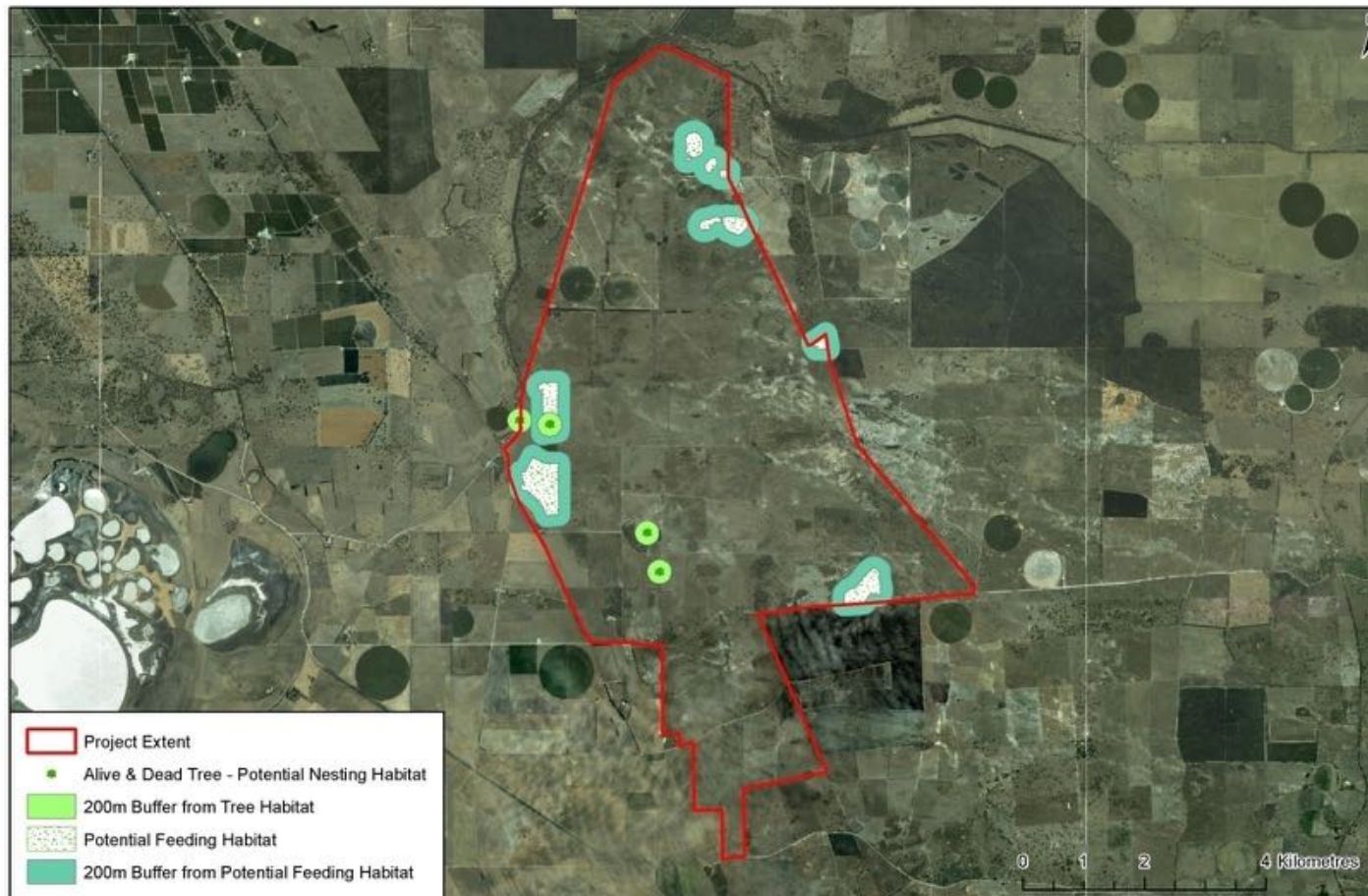
## Conclusion

- Likely to occasionally occupy the site
- Expected to feed in woodland areas of the site
- Mostly fly below rotor swept height, except when frightened
- With a 200m buffer around suitable feeding habitats, predicted to be a low level of risk to the RTBC



# Red-Tailed Black Cockatoo Buffers

## EXMOOR - RED TAILED BLACK COCKATOO



# Southern Bent-wing Bat

## Assessment approach

- Two additional Anabat surveys
- Comprehensive literature research for further information on the SBWB
- Looked at footage of flight behaviour using infra-red cameras
- Looked at results from radio tracking surveys
- Expert opinion



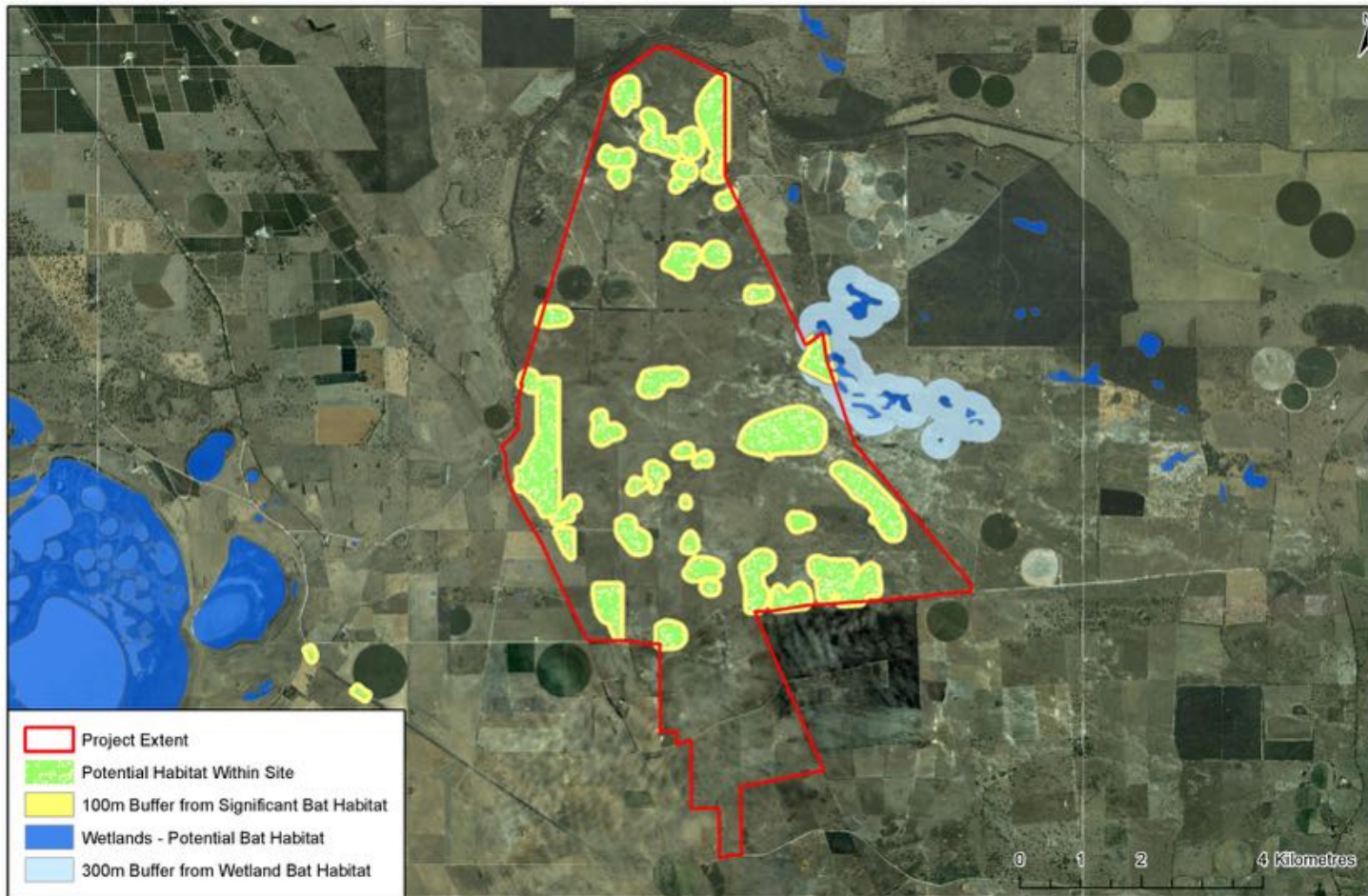
## Assessment conclusion

- Uncertainty about flight height and use across the site
- Likely to use the site in relatively low numbers
- Likely to use woodlands more frequently than cleared areas
- With a 100m buffer around woodlands and a 300m buffer around wetlands, predicted to be a low level of risk to the species



# Southern Bent-wing Bat Buffers

## EXMOOR - SOUTHERN BENT-WING BAT



# Collision Risk - Uncertainty

## Current Status

- Referred the project under the EPBC Act.
- Not a controlled action

# Conclusion

- Most environmental issues are easily managed
- Collision risk remains a big challenge
- Need to work towards greater certainty
- Needs to be better collaboration (industry and regulators).
- Needs to be better transparency and knowledge sharing