

## **Supplementary Material**

### **A review of the ecology and conservation of the yellow-bellied glider**

*Ross L. Goldingay<sup>A,\*</sup>*

<sup>A</sup>Faculty of Science and Engineering, Southern Cross University, PO Box 157, Lismore, NSW 2480, Australia

\*Correspondence to: Email: [ross.goldingay@scu.edu.au](mailto:ross.goldingay@scu.edu.au)

## **Supplementary Material. List of reviewed references**

- Alexander, J. S. A., Scotts, D. J., and Loyn, R. H. (2002). Impacts of timber harvesting on mammals, reptiles and nocturnal birds in native hardwood forests of East Gippsland, Victoria: a retrospective approach. *Australian Forestry* **65**, 182–210.
- Barker, J., Lunney, D., and Bubela, T. (1994). Mammal surveys in the forests of the Carrai Plateau and Richmond Range in north-east New South Wales. *Australian Mammalogy* **17**, 19–29.
- Belcher, C. A. (1995). Diet of the tiger quoll (*Dasyurus maculatus*) in East Gippsland, Victoria. *Wildlife Research* **22**, 341–357.
- Bell, M. J., and Bell, T. J. (1998). Use of *Lophostemon confertus* as a sap-feed tree by yellow-bellied gliders, *Petaurus australis*, on the mid north coast of New South Wales. *Australian Mammalogy* **20**, 103–106.
- Bennett, A. F., Lumsden, L. F., Alexander, J. S. A., Duncan, P. E., Johnson, P. G., Robertson, P., Silveira, C. E. (1991). Habitat use by arboreal mammals along an environment gradient in north-eastern Victoria. *Wildlife Research* **18**, 125–146.
- Bilney, R. J. (2013). Geographic variation in the diet of the powerful owl (*Ninox strenua*) at a local scale. *Australian Journal of Zoology* **61**, 372–377.
- Bilney, R. J., Kambouris, P. J., Peterie, J., Dunne, C., Makeham, K., Kavanagh, R. P., Gonsalves, L., and Law, B. (2022). Long-term monitoring of an endangered population of yellow-bellied glider *Petaurus australis* on the Bago Plateau, New South Wales, and its response to wildfires and timber harvesting in a changing climate. *Australian Zoologist* **42**, 592–607.
- Bradford, M. G., and Harrington, G. N. (1999). Aerial and ground survey of sap trees of the yellow-bellied glider (*Petaurus australis reginae*) near Atherton, North Queensland. *Wildlife Research* **26**, 723–729.
- Braithwaite, L. W. (1983). Studies on the arboreal marsupial fauna of eucalypt forests being harvested for woodpulp at Eden, NSW. I. The species and distribution of animals. *Wildlife Research* **10**, 219–229.
- Braithwaite, L. W., Dudzinski, M. L., and Turner, J. (1983). Studies on the arboreal marsupial fauna of eucalypt forests being harvested for woodpulp at Eden, NSW. II. Relationship between the fauna density, richness and diversity, and measured variables of the habitat. *Wildlife Research* **10**, 231–247.
- Braithwaite, L. W., Binns, D. L., and Nowlan, R. D. (1988). The distribution of arboreal marsupials in relation to eucalypt forest types in the Eden (NSW) woodchip concession area. *Wildlife Research* **15**, 363–373.
- Braithwaite, L. W., Turner, J., and Kelly, J. (1984). Studies on the arboreal marsupial fauna of eucalypt forests being harvested for wood pulp at Eden, NSW. III. Relationships between faunal densities, eucalypt occurrence and foliage nutrients, and soil parent materials. *Wildlife Research* **11**, 41–48.

- Brown, G. W., and Triggs, B. E. (1990). Diets of wild canids and foxes in East Gippsland 1983–1987, using predator scat analysis. *Australian Mammalogy* **13**, 209–213.
- Brown, M. (2006). Socioecology and phylogeography of the yellow-bellied glider (*Petaurus australis*). Ph.D. Thesis, The University of Adelaide.
- Brown, M., Cooksley, H., Carthew, S. M., and Cooper, S. J. B. (2006). Conservation units and phylogeographic structure of an arboreal marsupial, the yellow-bellied glider (*Petaurus australis*). *Australian Journal of Zoology* **54**, 305–317.
- Brown, M., Carthew, S. M., and Cooper, S. J. B. (2007). Monogamy in an Australian arboreal marsupial, the yellow-bellied glider (*Petaurus australis*). *Australian Journal of Zoology* **55**, 185–195.
- Cann, B., Williams, J., and Shields, J. M. (2002). Monitoring large forest owls and gliders after recent logging in production regrowth forests of the mid-north coastal region of New South Wales. In ‘Ecology and Conservation of Owls’. (Eds I. Newton, R. Kavanagh, J. Olsen and I. Taylor) pp. 255–264. (CSIRO Publishing: Collingwood.)
- Carthew, S. M. (2004). Distribution and conservation status of possums and gliders in South Australia. In ‘The Biology of Australian Possums and Gliders’. (Eds R. L. Goldingay and S. M. Jackson.) pp. 63–70. (Surrey Beatty: Sydney.)
- Carthew, S. M., Goldingay, R. L., and Funnell, D. L. (1999). Feeding behaviour of the yellow-bellied glider (*Petaurus australis*) at the western edge of its range. *Wildlife Research* **26**, 199–208.
- Catling, P. C., Burt, R. J., and Kooyman, R. (1997). A comparison of techniques used in a survey of the ground-dwelling and arboreal mammals in forests in north-eastern New South Wales. *Wildlife Research* **24**, 417–432.
- Chapman, A., Bradford, M. G., and Hoskin, C. J. (1999). Sap suckers: a novel bird ‘guild’ in wet sclerophyll forests of tropical north Queensland. *Emu-Austral Ornithology* **99**, 69–72.
- Claridge, A. W., Mills, D. J., and Barry, S. C. (2010). Prevalence of threatened native species in canid scats from coastal and near-coastal landscapes in south-eastern Australia. *Australian Mammalogy* **32**, 117–126.
- Craig, S. A. (1985). Social organization, reproduction and feeding behaviour of a population of yellow-bellied gliders, *Petaurus australis* (Marsupialia: Petauridae). *Wildlife Research* **12**, 1–18.
- Craig, S. A. (1986). A record of twins in the yellow-bellied glider (*Petaurus australis* Shaw) (Marsupialia: Petauridae) with notes on the litter size and reproductive strategy of the species. *Victorian Naturalist* **103**, 72–75.
- Craig, S. A., and Belcher, C. A. (1980). A technique for live trapping the yellow-bellied glider, *Petaurus australis*, with notes on the biology of the species. *Victorian Naturalist* **97**, 205–210.
- Daly, G. (2005). Mapping glider songlines: development of a landscape management policy for the yellow-bellied glider *Petaurus australis* (Shaw 1791) in the Eurobodalla Shire on the south coast of New South Wales. *Australian Zoologist* **33**, 180–187.

- Daly, G., Craven, P., Bryant, J., Senior, C., Smith, M., and Mahony, M. (2024). Long-term monitoring of arboreal mammals in coastal reserves on the south coast of New South Wales. *Australian Zoologist* (in press).
- Davey, S. M. (1984). Habitat preferences of arboreal marsupials within a coastal forest in southern New South Wales. In 'Possums and Gliders'. (Eds A. P. Smith, and I. D. Hume.) pp. 509–16. (Australian Mammal Society: Sydney.).
- Davey, S. M. (1990). Methods for surveying the abundance and distribution of arboreal marsupials in a south coast forest of New-South-Wales. *Wildlife Research* **17**, 427–445.
- Davey, S. M., and Norton, T. W. (1990). State forests in Australia and their role in wildlife conservation. In 'Australian Ecosystems: 200 years of Utilization, Degradation and Reconstruction'. (Eds D. A. Saunders, A. J. M. Hopkins and R. A. How.) pp. 323–45. (Surrey Beatty and Sons: Sydney.)
- Eyre, T. J. (2002). Habitat preferences and management of large gliding possums in southern Queensland. Ph.D. Thesis, Southern Cross University, Lismore.
- Eyre, T. J. (2004). Distribution and conservation status of the possums and gliders of southern Queensland. In 'The Biology of Australian Possums and Gliders'. (Eds R. L. Goldingay and S. M. Jackson.) pp. 1–25. (Surrey Beatty: Sydney.)
- Eyre, T. J. (2007). Regional habitat selection of large gliding possums at forest stand and landscape scales in southern Queensland, Australia: II. Yellow-bellied glider (*Petaurus australis*). *Forest Ecology and Management* **239**, 136–149.
- Eyre, T. J., and Buck, R. G. (2005). The regional distribution of large gliding possums in southern Queensland, Australia. I. The yellow-bellied glider (*Petaurus australis*). *Biological Conservation* **125**, 65–86.
- Eyre, T. J., and Goldingay, R. L. (2003). Use of sap trees by the yellow-bellied glider near Maryborough in south-east Queensland. *Wildlife Research* **30**, 229–236.
- Eyre, T. J., and Goldingay, R. L. (2005). Characteristics of sap trees used by yellow-bellied gliders in southern Queensland. *Wildlife Research* **32**, 23–35.
- Eyre, T. J., and Smith, A. P. (1997). Floristic and structural habitat preferences of yellow-bellied gliders (*Petaurus australis*) and selective logging impacts in southeast Queensland, Australia. *Forest Ecology and Management* **98**, 281–295.
- Fleay, D. (1947). 'Gliders of the Gum Trees'. (Bread and Cheese Club: Melbourne.)
- Gibbons, P., and Lindenmayer, D. B. (1997). Developing tree retention strategies for hollow-dependent arboreal marsupials in the wood production eucalypt forests of eastern Australia. *Australian Forestry* **60**, 29–45.
- Gibbons, P., Lindenmayer, D. B., Barry, S. C., Tanton, M. T. (2002). Hollow selection by vertebrate fauna in forests of southeastern Australia and implications for forest management. *Biological Conservation* **103**, 1–12.

- Glen, A. S., and Dickman, C. R. (2006). Diet of the spotted-tailed quoll (*Dasyurus maculatus*) in eastern Australia: effects of season, sex and size. *Journal of Zoology* **269**, 241–248.
- Glen, A. S., Pennay, M., Dickman, C. R., Wintle, B. A., and Firestone, K. B. (2011). Diets of sympatric native and introduced carnivores in the Barrington Tops, eastern Australia. *Austral Ecology* **36**, 290–296.
- Goldingay, R. L. (1986). Feeding behaviour of the yellow-bellied glider, *Petaurus australis* (Marsupialia: Petauridae), at Bombala, New South Wales. *Australian Mammalogy* **9**, 17–25.
- Goldingay, R. L. (1987). Sap feeding by the marsupial *Petaurus australis*: an enigmatic behaviour? *Oecologia* **73**, 154–158.
- Goldingay, R. L. (1989). Time budget and related aspects of the foraging behaviour of the yellow-bellied glider, *Petaurus australis*. *Wildlife Research* **16**, 105–112.
- Goldingay, R. L. (1989). The behavioural ecology of the gliding marsupial, *Petaurus australis*. PhD thesis, University of Wollongong, Wollongong.
- Goldingay, R. L. (1990). The foraging behaviour of a nectar feeding marsupial, *Petaurus australis*. *Oecologia* **85**, 191–199.
- Goldingay, R. L. (1991). An evaluation of hypotheses to explain the pattern of sap feeding by the yellow-bellied glider, *Petaurus australis*. *Australian Journal of Ecology* **16**, 491–500.
- Goldingay, R. L. (1992). Socioecology of the yellow-bellied glider (*Petaurus australis*) in a coastal forest. *Australian Journal of Zoology* **40**, 267–278.
- Goldingay, R. L. (1994). Loud calls of the yellow-bellied glider, *Petaurus australis*: territorial behaviour by an arboreal marsupial. *Australian Journal of Zoology* **42**, 279–293.
- Goldingay, R. L. (2000). Use of sap trees by the yellow-bellied glider in the Shoalhaven region of New South Wales. *Wildlife Research* **27**, 217–222.
- Goldingay, R. L. (2011). Characteristics of tree hollows used by Australian arboreal and scansorial mammals. *Australian Journal of Zoology* **59**, 277–294.
- Goldingay, R. L. (2014). Gliding performance in the yellow-bellied glider in low-canopy forest. *Australian Mammalogy* **36**, 254–258.
- Goldingay, R. L. (2021). General or local habitat preferences? Unravelling geographically consistent patterns of habitat preference in gliding mammals. *Forest Ecology and Management* **491**, 119204.
- Goldingay, R. L. (2024). Variation in sap feeding and tree testing by yellow-bellied gliders and the potential for population monitoring. *Australian Mammalogy* **46**, M23025.
- Goldingay, R., and Daly, G. (1997). Surveys of arboreal and terrestrial mammals in the montane forests of Queanbeyan, New South Wales. *Australian Mammalogy* **20**, 9–19.
- Goldingay, R. L., and Kavanagh, R. P. (1990). Socioecology of the Yellow-Bellied Glider, *Petaurus-Australis*, at Waratah-Creek, NSW. *Australian Journal of Zoology* **38**, 327–341.

- Goldingay, R. L., and Kavanagh, R. P. (1991). The yellow-bellied glider: a review of its ecology, and management considerations. In ‘Conservation of Australia’s forest fauna’. (Ed D. Lunney.) pp. 365–375. (Royal Zoological Society of NSW: Sydney.)
- Goldingay, R. L., and Kavanagh, R. P. (1993). Home-range estimates and habitat of the yellow-bellied glider (*Petaurus australis*) at Waratah Creek, New South Wales. *Wildlife Research* **20**, 387–403.
- Goldingay, R. L., and Quin, D. G. (2004). Components of the habitat of the yellow-bellied glider in north Queensland. In ‘The Biology of Australian Possums and Gliders’. (Eds R. L. Goldingay, and S. M. Jackson.) pp. 369–375. (Surrey Beatty: Sydney.)
- Goldingay, R. L., Bilney, R. J., and Dunne, C. (2024). Variable persistence of an iconic arboreal mammal through the Black Summer wildfires. *Forest Ecology and Management* **570**, 122224.
- Goldingay, R. L., Carthew, Susan, M., and Daniel, M. (2018). Characteristics of the den trees of the yellow-bellied glider in western Victoria. *Australian Journal of Zoology* **66**, 179–184.
- Goldingay, R. L., McHugh, D., and Parkyn, J. L. (2016). Population monitoring of a threatened gliding mammal in subtropical Australia. *Australian Journal of Zoology* **64**, 413–420.
- Goldingay, R. L., Parkyn, J. L., and McHugh, D. (2023). Drought-induced population decline in an exudivorous mammal and its relevance to forest management. *Forest Ecology and Management* **548**, 121424.
- Goldingay, R. L., Quin, D. G., and Churchill, S. (2001). Spatial variability in the social organisation of the yellow-bellied glider (*Petaurus australis*) near Ravenshoe, north Queensland. *Australian Journal of Zoology* **49**, 397–409.
- Goldingay, R. L., Taylor, B. D., and Parkyn, J. L. (2019). Use of tall wooden poles by four species of gliding mammal provides further proof of concept for habitat restoration. *Australian Mammalogy* **41**, 255–261.
- Goldingay, R. L., and Possingham, H. (1995). Area requirements for viable populations of the Australian gliding marsupial *Petaurus australis*. *Biological Conservation* **73**, 161–167.
- Gonsalves, L., Law, B., and Slade, C. (2024). Landscape-scale monitoring for forest fauna is achievable: a case study using remote sensors, artificial intelligence and robust analytics. *Australian Zoologist* **43**, 526–544.
- Hallam, C. D., Wintle, B. A., Kujala, H., Whitehead, A. L., and Nicholson, E. (2020). Measuring impacts on species with models and metrics of varying ecological and computational complexity. *Conservation Biology* **34**, 1512–1524.
- Hampton, J. W. F., Howard, A. E., and Poynton, J. B. J. L. (1982). Records of the Mammal Survey Group of Victoria, 1966–80, on the Distribution of Terrestrial Mammals in Victoria. *Wildlife Research* **9**, 177–201.
- Handayani, F., Goldingay, R. L., McHugh, D., and Leslie, N. (2018). Extensive range contraction predicted under climate warming for a gliding mammal in north-eastern Australia. *Australian Mammalogy* **41**, 99–111.

- Harrington, G. N., and Sanderson, K. D. (1994). Recent contraction of wet sclerophyll forest in the wet tropics of Queensland due to invasion by rainforest. *Pacific Conservation Biology* **1**, 319–327.
- Heise-Pavlov, S. R., Chizinski, T., and Walker, N. E. (2018). Selection of sap feed trees by yellow-bellied gliders (*Petaurus australis*) in north-eastern Queensland, Australia—implications for site-specific habitat management. *Australian Mammalogy* **40**, 10–15.
- Heise-Pavlov, S., Prokop, C., and Goss, L. (2024). A pilot study to encode calls from the northern yellow-bellied glider. *Australian Mammalogy* **46**, AM23026.
- Henry, S. R., and Craig, S. A. (1984). Diet, ranging behaviour and social organization of the yellow-bellied glider (*Petaurus australis*) in Victoria. In ‘Possums and Gliders’. (Eds A. P. Smith, I. D. Hume.) pp. 331–341. (Surrey Beatty and Sons: Sydney.)
- Hensley, V. R., Winter, J. W., and Franklin, D. C. (2020). Size of rose gums in and near the Tumoulin Forest Reserve in north Queensland and its implications for the yellow-bellied glider. *North Queensland Naturalist* **50**, 55–64.
- Incoll, R. D., Loyn, R. H., Ward, S. J., Cunningham, R. B., and Donnelly, C. F. (2001). The occurrence of gliding possums in old-growth forest patches of mountain ash (*Eucalyptus regnans*) in the Central Highlands of Victoria. *Biological Conservation* **98**, 77–88.
- Irish, P., and Kavanagh, R. (2011). Distribution, habitat preference and conservation status of the yellow-bellied glider (*Petaurus australis*) in the Hills Shire, northwestern Sydney. *Australian Zoologist* **35**, 941–952.
- Isaac, B., White, J., Ierodiaconou, D., Cooke, R. (2014). Simplification of arboreal marsupial assemblages in response to increasing urbanization. *PLoS One* **9**, e91049.
- Jessup, K., Winter, J. W., and Franklin, D. C. (2020). Size of *Eucalyptus resinifera* trees, and sap-trees used by yellow-bellied gliders, in the Tumoulin Forest Reserve in north Queensland. *North Queensland Naturalist* **50**, 1–7.
- Kaiwi, A., Russell, R. A. W., Winter, J. W., and Franklin, D. C. (2020). Dusk emergence from den trees by the Wet Tropics yellow-bellied glider. *North Queensland Naturalist* **50**, 65–72.
- Kambouris, P. J., Kavanagh, R. P., and Rowley, K. A. (2014). Distribution, habitat preferences and management of the yellow-bellied glider, *Petaurus australis*, on the Bago Plateau, New South Wales: a reassessment of the population and its status. *Wildlife Research* **40**, 599–614.
- Kavanagh, R. P. (1984). Seasonal changes in habitat use by gliders and possums in southeastern New South Wales. In ‘Possums and Gliders’. (Eds A. P. Smith, and I. D. Hume.) pp. 527–543. (Australian Mammal Society: Sydney.).
- | Kavanagh, R. P. (1987a). Forest phenology and its effect on foraging behaviour and selection of habitat by the yellow-bellied glider, *Petaurus australis* Shaw. *Australian Wildlife Research* **14**, 371–384.
- | Kavanagh, R. P. (1987b). Foraging behaviour of the yellow-bellied glider, *Petaurus australis* (Marsupialia: Petauridae), near Eden. *Australian Mammalogy* **10**, 37–39.

- Kavanagh, R. P. (1988). The impact of predation by the powerful owl, *Ninox strenua*, on a population of the greater glider, *Petauroides volans*. *Australian Journal of Ecology* **13**, 445–450.
- Kavanagh, R. P. (2002). Comparative diets of the powerful owl (*Ninox strenua*), sooty owl (*Tyto tenebricosa*) and masked owl (*Tyto novaehollandiae*) in southeastern Australia. In ‘Ecology and Conservation of Owls’. (Eds I. Newton, R. Kavanagh, J. Olsen, and I. Taylor) pp. 175–191. (CSIRO Publishing: Collingwood.)
- Kavanagh, R. P. (2004). Distribution and conservation status of possums and gliders in New South Wales. In ‘The Biology of Australian Possums and Gliders’. (Eds R. L. Goldingay and S. M. Jackson.) pp. 130–148. (Surrey Beatty: Sydney.)
- Kavanagh, R. P., and Bamkin, K. L. (1995). Distribution of nocturnal forest birds and mammals in relation to the logging mosaic in south-eastern New South Wales, Australia. *Biological Conservation* **71**, 41–53.
- Kavanagh, R. P., and Stanton, M. A. (1998). Nocturnal forest birds and arboreal marsupials of the southwestern slopes, New South Wales. *Australian Zoologist* **30**, 449–466.
- Kavanagh, R. P., and Stanton, M. A. (2002). Response to habitat fragmentation by the Powerful Owl (*Ninox strenua*), Sooty Owl (*Tyto tenebricosa*), Masked Owl (*Tyto novaehollandiae*) and other nocturnal fauna in southeastern Australia. In ‘Ecology and Conservation of Owls’. (Eds I. Newton, R. Kavanagh, J. Olsen and I. Taylor) pp. 265–276. (CSIRO Publishing: Collingwood.)
- Kavanagh, R. P., and Stanton, M. A. (2005). Vertebrate species assemblages and species sensitivity to logging in the forests of north-eastern New South Wales. *Forest Ecology and Management* **209**, 309–341.
- Kavanagh, R. P., and Rohan-Jones, W. G. (1982). Calling behaviour of the yellow-bellied glider, *Petaurus australis* Shaw (Marsupialia: Petauridae). *Australian Mammalogy* **5**, 95–111.
- Kavanagh, R. P., and Webb, G. A. (1998). Effects of variable-intensity logging on mammals, reptiles and amphibians at Waratah Creek, southeastern New South Wales. *Pacific Conservation Biology* **4**, 326–347.
- Kavanagh, R. P., Debus, S., Tweedie, T., and Webster, R. (1995). Distribution of nocturnal forest birds and mammals in north-eastern New South Wales: relationships with environmental variables and management history. *Wildlife Research* **22**, 359–377.
- Koshkina, V., Wang, Y., Gordon, A., Dorazio, R. M., White, M., and Stone, L. (2017). Integrated species distribution models: combining presence-background data and site-occupancy data with imperfect detection. *Methods in Ecology and Evolution* **8**, 420–430.
- Kutt, A. S. (1994). Arboreal marsupials and nocturnal birds in thinned regrowth, unthinned regrowth and old lowland forest, East Gippsland, Victoria. *Australian Forestry* **57**, 123–130.
- Lefoe, M., Rendall, A. R., McKinnon, F., and Whisson, D. A. (2022). Logging and wildfire limit the distribution of a vulnerable arboreal mammal. *Forest Ecology and Management* **503**, 119773.

Legge, S., Woinarski, J. C. Z., Scheele, B. C., Garnett, S. T., Lintermans, M., Nimmo, D. G., Whiterod, N. S., Southwell, D. M., Ehmke, G., Buchan, A., Gray, J., Metcalfe, D. J., Page, M., Rumpff, L., van Leeuwen, S., Williams, D., Ahyong, S. T., Chapple, D. G., Cowan, M., and Tingley, R. (2022a). Rapid assessment of the biodiversity impacts of the 2019–20 Australian megafires to guide urgent management intervention and recovery, and lessons for other regions. *Diversity and Distributions* **28**, 571–591.

Legge, S., Rumpff, L., Woinarski, J. C. Z., Whiterod, N. S., Ward, M., Southwell, D. G., Scheele, B. C., Nimmo, D. G., Lintermans, M., Geyle, H. M., Garnett, S. T., Hayward-Brown, B., Ensby, M., Ehmke, G., Ahyong, S. T., Blackmore, C. J., Bower, D. S., Brizuela-Torres, D., Burbidge, A. H., Burns, P. A., Butler, G., Catullo, R., Chapple, D. G., Dickman, C. R., Doyle, K. E., Ferris, J., Fisher, D., Gallagher, R., Gillespie, G. R., Greenlees, M. J., Hohnen, R., Hoskin, C. J., Hunter, D., Jolly, C., Kennard, M., King, A., Kuchinke, D., Law, B., Lawler, I., Lawler, S., Loyn, R., Lunney, D., Lyon, J., MacHunter, J., Mahony, M., Mahony, S., McCormack, R. B., Melville, J., Menkhorst, P., Michael, D., Mitchell, N., Mulder, E., Newell, D., Pearce, L., Raadik, T. A., Rowley, J.J.L., Sitters, H., Spencer, R., Valavi, R., West, M., Wilkinson, D. P., Zukowski, S., and Nolan, R. (2022b). The conservation impacts of ecological disturbance: time-bound estimates of population loss and recovery for fauna affected by the 2019–2020 Australian megafires. *Global Ecology and Biogeography* **31**, 2085–2104.

Lindenmayer, D. B., Cunningham, R. B., and McCarthy, M. A. (1999a). The conservation of arboreal marsupials in the montane ash forests of the central highlands of Victoria, south-eastern Australia. VIII. Landscape analysis of the occurrence of arboreal marsupials. *Biological Conservation* **89**, 83–92.

Lindenmayer, D. B., Blanchard, W., Blair, D., McBurney, L., Taylor, C., Scheele, B. C., Westgate, M. J., Robinson, N., and Foster, C. (2021). The response of arboreal marsupials to long-term changes in forest disturbance. *Animal Conservation* **24**, 246–258.

Lindenmayer, D. B., Bowd, E., Youngentob, K., and Evans, M. J. (2024). Quantifying drivers of decline: A case study of long-term changes in arboreal marsupial detections. *Biological Conservation* **293**, 110589.

Lindenmayer, D. B., Bowd, E., Youngentob, K., and Evans, M. J. (2024). Identifying biodiversity surrogates and management indicator species for tall, WET Forests: A case study of australian arboreal marsupials. *Ecological Indicators* **166**, 112297.

Lindenmayer, D. B., and Cunningham, R. B. (1997). Patterns of co-occurrence among arboreal marsupials in the forests of central Victoria, southeastern Australia. *Australian Journal of Ecology* **22**, 340–346.

Lindenmayer, D. B., Cunningham, R. B., and Donnelly, C. F. (1993). The conservation of arboreal marsupials in the montane ash forests of the central highlands of Victoria, south-east Australia, IV. The presence and abundance of arboreal marsupials in retained linear habitats (wildlife corridors) within logged forest. *Biological Conservation* **66**, 207–221.

Lindenmayer, D. B., Cunningham, R. B., MacGregor, C., Incoll, R. D., and Michael, D. (2003). A survey design for monitoring the abundance of arboreal marsupials in the Central Highlands of Victoria. *Biological Conservation* **110**, 161–167.

- Lindenmayer, D. B., Cunningham, R. B., Tanton, M. T., and Nix, H. A. (1991). Aspects of the use of den trees by arboreal and scansorial marsupials inhabiting montane ash forests in Victoria. *Australian Journal of Zoology* **39**, 57–65.
- Lindenmayer, D. B., Wood, J., McBurney, L., Michael, D., Crane, M., MacGregor, C., Montague-Drake, R., Gibbons, P., and Banks, S. C. (2011). Cross-sectional vs. longitudinal research: a case study of trees with hollows and marsupials in Australian forests. *Ecological Monographs* **81**, 557–580.
- Lumsden, L. F., Nelson, J. L., Todd, C. R., Scroggie, M. P., McNabb, E. G., Raadik, T. A., Smith, S. J., Acevedo, S., Cheers, G., Jemison, M. L., and Nicol, M. D. (2013). A new strategic approach to biodiversity management – research component. Arthur Rylah Institute for Environmental Research Report for the Department of Environment and Primary Industries, Heidelberg, Victoria.
- Lunney, D. (1987). Effects of logging, fire and drought on possums and gliders in the coastal forests near Bega, N.S.W. *Australian Wildlife Research* **14**, 263–274.
- Lunney, D., and Barker, J. (1987). Mammals of the coastal forests near Bega New South Wales: II. Annotated Checklist. *Australian Zoologist* **23**, 41–49.
- Lunney, D., Matthews, A., and Triggs, B. (2002). Long-term changes in the mammal fauna of logged, coastal forests near Bega, New South Wales, detected by analysis of dog and fox scats. *Australian Mammalogy* **23**, 101–114.
- Macfarlane, M. A. (1988). Mammal populations in mountain ash (*Eucalyptus regnans*) forests of various ages in the Central Highlands of Victoria. *Australian Forestry* **51**, 14–27.
- Mackowski, C. M. (1986). Distribution, habitat and status of the yellow-bellied glider, *Petaurus australis* Shaw (Marsupialia: Petauridae) in northeastern New South Wales. *Australian Mammalogy* **9**, 141–144.
- Mackowski, C. M. (1988). Characteristics of eucalypts incised for sap by the yellow-bellied glider, *Petaurus australis* Shaw (Marsupialia: Petauridae), in northeastern New South Wales. *Australian Mammalogy* **11**, 5–13.
- Marlow, B. J. (1958). A survey of the marsupials of New South Wales. *CSIRO Wildlife Research* **3**, 71–114.
- Marshall, E., Visintin, C., Valavi, R., Wilkinson, D. P., Southwell, D., Wintle, B. A., and Kujala, H. (2022). Integrating species metrics into biodiversity offsetting calculations to improve long-term persistence. *Journal of Applied Ecology* **59**, 1060–1071.
- McAlpine, C. A., and Eyre, T. J. (2002). Testing landscape metrics as indicators of habitat loss and fragmentation in continuous eucalypt forests (Queensland, Australia). *Landscape Ecology* **17**, 711–728.
- McAlpine, C. A., Scarth, P., Phinn, S. P., and Eyre, T. J. (2001). Mapping glider habitat in dry eucalypt forests for Montreal Process indicator 1.1 e: fragmentation of forest types. *Australian Forestry* **64**, 232–241.

- McLean, C. M. (2012). The effects of fire regimes and logging on forest stand structure, tree hollows and arboreal marsupials in sclerophyll forests. PhD thesis, University of Wollongong, Wollongong.
- McNabb, E. G. (1994). Predator calls and prey response. *Victorian Naturalist* **111**, 190–196.
- McNabb, E. (2017). Communal denning by two sympatric gliding possums. *Victorian Naturalist* **134**, 52–55.
- McNabb, E., Willig, R., and McNabb, J. (2000). Discovery of the yellow-bellied glider *Petaurus australis* in south Gippsland. *Victorian Naturalist* **117**, 150–150.
- Milledge, D. R., Palmer, C. L., and Nelson, J. L. (1991). Barometers of change": the distribution of large owls and gliders in Mountain Ash forests of the Victorian Central Highlands and their potential as management indicators. In 'Conservation of Australia's forest fauna'. (Ed. D. Lunney.) pp. 53–65. (Royal Zoological Society of NSW: Sydney.)
- Mitchell, M. K., Rendall, A.R., Lefoe, M. J., and Whisson, D. A. (2023). Food tree selection by an arboreal marsupial: Implications for timber harvest. *Forest Ecology and Management* **544**, 121218.
- Moilanen, A., and Wintle, B. A. (2006). Uncertainty analysis favours selection of spatially aggregated reserve networks. *Biological Conservation* **129**, 427–434.
- Nelson, J. L., Cherry, K. A., and Porter, K. W. (1996). The effect of edges on the distribution of arboreal marsupials in the ash forests of the Victorian Central Highlands. *Australian Forestry* **59**, 189–198.
- Norris, K. C., Gilmore, A. M., and Menkhorst, P. W. (1979). Vertebrate fauna of south Gippsland, Victoria. *Memoirs of the National Museum of Victoria* **40**, 105–199.
- Pascoe, J. H., Cooke, R., and White, J. G. (2008). Detection of owls, owlet nightjars and arboreal mammals in edge environments of Cape Otway, south-western Victoria. *Proceedings of the Royal Society of Victoria* **120**, 206–215.
- Powell, C. J., and Sedunary, D. N. (2013). Development of a threatened fauna management framework across Victoria's state forests. *Australian Forestry* **76**, 10–15.
- Quin, D., Goldingay, R., Churchill, S., and Engel, D. (1996). Feeding behaviour and food availability of the yellow-bellied glider in north Queensland. *Wildlife Research* **23**, 637–646.
- Rees, M. (2004). A multi-scale assessment of the distribution, habitat and conservation requirements of the yellow-bellied glider (*Petaurus australis*). PhD thesis, University of New South Wales, Sydney.
- Rees, M., Paull, D. J., and Carthew, S. M. (2007). Factors influencing the distribution of the yellow-bellied glider (*Petaurus australis australis*) in Victoria, Australia. *Wildlife Research* **34**, 228–233.
- Russell, R. (1980). 'Spotlight on Possums'. (University of Queensland Press: St Lucia.)
- Russell, R. (1981). How fluffy gliders led me to the tree of life. *Habitat* **9**, 7–8.

- Russell, R. (1984). Social behaviour of the yellow-bellied glider, *Petaurus australis*, in north Queensland. Possums and gliders. In 'Possums and Gliders'. (Eds A. P. Smith, and I. D. Hume.) pp. 345–353. (Australian Mammal Society: Sydney.).
- Smith, A. P., Lindenmayer, D., Begg, R. J., Macfarlane, M. A., Seebeck, J. H., and Suckling, G. C. (1989). Evaluation of the stag-watching technique for census of possums and gliders in tall open forest. *Wildlife Research* **16**, 575–580.
- Smith, A. P., and Russell, R. (1982). Diet of the yellow-bellied glider *Petaurus australis* (Marsupialia: Petauridae) in north Queensland. *Australian Mammalogy* **5**, 41–45.
- Taylor, B. D., and Rohweder, D. A. (2020). Yellow-bellied gliders use glide poles to cross the Pacific Highway at Halfway Creek, north-east New South Wales. *Australian Mammalogy* **42**, 385–387.
- Tilley, S. (1982). The diet of the powerful owl, *Ninox strenua*, in Victoria. *Wildlife Research* **9**, 157–175.
- Triggs, B., Brunner, H., and Cullen, J. M. (1984). The food of the fox, dog and cat in Croajingalong National Park, south-eastern Australia. *Australian Wildlife Research* **11**, 491–499.
- Tulloch, A. I. T., McDonald, J., Cosier, P., Sbrocchi, C., Stein, J., Lindenmayer, D., and Possingham, H. P. (2018). Using ideal distributions of the time since habitat was disturbed to build metrics for evaluating landscape condition. *Ecological Applications* **28**, 709–720.
- van der Ree, R., and McCarthy, M. A. (2005). Inferring persistence of indigenous mammals in response to urbanisation. *Animal Conservation* **8**, 309–319.
- van der Ree, R., Ward, S. J., and Handasyde, K. A. (2004). Distribution and conservation status of possums and gliders in Victoria. In 'The Biology of Australian Possums and Gliders'. (Eds R. L. Goldingay, and S. M. Jackson.) pp. 91–110. (Surrey Beatty: Sydney.)
- Villaseñor, N. R., Driscoll, D. A., Escobar, M. A. H., Gibbons, P., and Lindenmayer, D. B. (2014). Urbanization impacts on mammals across urban-forest edges and a predictive model of edge effects. *PLoS One* **9**, e97036.
- Villaseñor, N. R., Tulloch, A. I. T., Driscoll, D. A., Gibbons, P., and Lindenmayer, D. B. (2017). Compact development minimizes the impacts of urban growth on native mammals. *Journal of Applied Ecology* **54**, 794–804.
- Visconti, P., Pressey, R. L., Segan, D. B., and Wintle, B. A. (2010). Conservation planning with dynamic threats: the role of spatial design and priority setting for species' persistence. *Biological Conservation* **143**, 756–767.
- von Chrismar, A. (2018). Investigations of corridor use by arboreal and scansorial mammals and an analysis of yellow-bellied glider *Petaurus australis* populations and connectivity on the lower central coast of New South Wales. MSc thesis. Southern Cross University, Lismore.
- Wakefield, N. A. (1970). Notes on the glider possum *Petaurus australis*. *Victoria Naturalist* **87**, 221–236.

- Wallis, I. R., and Goldingay, R. L. (2014). Does a sap feeding marsupial choose trees with specific chemical characteristics? *Austral Ecology* **39**, 973–983.
- Wardell-Johnson, G. W., and Robinson, T. P. (2022). Considerations in the protection of marsupial gliders and other mature-forest dependent fauna in areas of intensive logging in the tall forests of Victoria, Australia. *Pacific Conservation Biology* **29**, 369–386.
- Whisson, D. A., McKinnon, F., Lefoe, M., and Rendall, A. R. (2021). Passive acoustic monitoring for detecting the yellow-bellied glider, a highly vocal arboreal marsupial. *Plos One* **16**, e0252092.
- Williams, S. E., Pearson, R. G., and Walsh, P. J. (1995). Distributions and biodiversity of the terrestrial vertebrates of Australia's Wet Tropics: a review of current knowledge. *Pacific Conservation Biology* **2**, 327–362.
- Winter, J. W., Russell, R. A. W., and Winter, E. M. (1979). A sighting of the yellow-bellied glider (*Petaurus australis*) in north-eastern Queensland. *North Queensland Naturalist* **45**, 2–4.
- Winter, J. W., Dillewaard, H. A., Williams, S. E., and Bolitho, E. E. (2004). Possums and gliders of north Queensland: distribution and conservation status. In ‘The Biology of Australian Possums and Gliders’. (Eds R. L. Goldingay and S. M. Jackson) pp. 26–50. (Surrey Beatty: Sydney.)
- Wintle, B. A., and Bardos, D. C. (2006). Modeling species–habitat relationships with spatially autocorrelated observation data. *Ecological Applications* **16**, 1945–1958.
- Wintle, B. A., Elith, J., and Potts, J. M. (2005). Fauna habitat modelling and mapping: a review and case study in the Lower Hunter Central Coast region of NSW. *Austral Ecology* **30**, 719–738.
- Wintle, B. A., Kavanagh, R. P., McCarthy, M. A., and Burgman, M. A. (2005). Estimating and dealing with detectability in occupancy surveys for forest owls and arboreal marsupials. *Journal of Wildlife Management* **69**, 905–917.
- Wormington, K. R. (2003). The habitat requirements of arboreal marsupials in dry sclerophyll forests of south-east Queensland, Australia. PhD thesis, University of Queensland, Brisbane.
- Wormington, K. R., Lamb, D., McCallum, H. I., and Moloney, D. J. (2002). Habitat requirements for the conservation of arboreal marsupials in dry sclerophyll forests of southeast Queensland, Australia. *Forest Science* **48**, 217–227.