

## Recent Ecological Studies in NSW's Forests

### Fire

Bowman, D. M., Williamson, G. J., Gibson, R. K., Bradstock, R. A., & Keenan, R. J. (2021). The severity and extent of the Australia 2019–20 *Eucalyptus* forest fires are not the legacy of forest management. *Nature Ecology & Evolution*, **5**(7), 1003–1010. <https://doi.org/10.1038/s41559-021-01464-6>

Hislop, S. (2020) '[Fire severity in harvested areas](#)' (PDF, 1049.9 KB), *Department of Primary Industries Report*.

### Koalas

Goldingay, R. L., McHugh, D., & Parkyn, J. L. (2022). Multiyear monitoring of threatened iconic arboreal mammals in a mid-elevation conservation reserve in eastern Australia. *Ecology and Evolution*, **12**(5), e8935. <https://doi.org/10.1002/ece3.8935>

Law, B., Gonsalves, L., Slade, C., Brassil, T. & Flanagan, C. (2024) GPS tracking reveals koalas *Phascolarctos cinereus* use mosaics of different forest ages after environmentally regulated timber harvesting. *Austral Ecology*, **49**, e13518. Available from: <https://doi.org/10.1111/aec.13518>

### Forestry as a threat to Biodiversity

Kavanagh, R., Law, B., Drielsma, M., Gonsalves, L., Beaumont, L., Jenkins, R., Wilson, P., Binns, D., Thinley, P., Bulovic, N., Lemckert, F., Brassil, T., & Reid, N. (2022). *Baselines, drivers and trends for species occupancy and distribution*. NSW Natural Resources Commission. <https://www.nrc.nsw.gov.au/fmip-baselines-biological-diversity>

Ward, M., Carwardine, J., Yong, C. J., Watson, J. E. M., Silcock, J., Taylor, G. S., Lintermans, M., Gillespie, G. R., Garnett, S. T., Woinarski, J., Tingley, R., Fensham, R. J., Hoskin, C. J., Hines, H. B., Roberts, J. D., Kennard, M. J., Harvey, M. S., Chapple, D. G., & Reside, A. E. (2021). A national-scale dataset for threats impacting Australia's imperiled flora and fauna. *Ecology and Evolution*, **11**, 11749–11761. <https://doi.org/10.1002/ece3.7920>

### IFOA

Slade, C., & Law, B. (2018). The other half of the coastal State Forest estate in New South Wales; the value of informal forest reserves for conservation. *Australian Zoologist*, **39**(2), 359–370. <https://doi.org/10.7882/AZ.2016.011>

### Long-term Fauna Monitoring

Bilney, R. J., Kambouris, P. J., Peterie, J., Dunne, C., Makeham, K., Kavanagh, R. P., Gonsalves, L., & 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**(2), 592–607. <https://doi.org/10.7882/AZ.2022.035>

Law, B., Gonsalves, L., Brassil, T., & Kerr, I. (2024). Broad-scale acoustic monitoring of koala populations suggests metapopulation stability, but varying bellow rate, in the face of major

disturbances and climate extremes. *Ecology and Evolution*, 14, e11351. <https://doi.org/10.1002/ece3.11351>

## Hardwood Plantations

Law, B. S., Chidel, M., Brassil, T., Turner, G., & Gonsalves, L. (2017). Winners and losers among mammals and nocturnal birds over 17 years in response to large-scale eucalypt plantation establishment on farmland. *Forest Ecology and Management*, **399**, 108–119.