

# AWC Science Publications

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**AWC staff and students are in bold type.**

## Peer-reviewed journal articles (130)

### 2017

**Jordan R, James AI, Moore D, Franklin DC** (2017) Boom and bust (or not?) among birds in an Australian semi-desert. *Journal of Arid Environments* 139: 58-66.

### 2016

**Coggan NV, Hayward MW, Gibb H** (2016) Termite activity and decomposition are influenced by digging mammal reintroductions along an aridity gradient. *Journal of Arid Environments* 133: 85-93.

**Dhami KK, Joseph L, Roshier DA, Peters JL** (2016) Recent speciation and elevated Z-chromosome differentiation between sexually monochromatic and dichromatic species of Australian teals. *Journal of Avian Biology* 47: 92-102.

**Hampton JO, Skroblin A, De Ridder TR, Perry AL** (2016) Chemical immobilisation and rangeland species: assessment of a helicopter darting method for Australian cattle. *The Rangeland Journal* 38: 533-540.

**Hampton JO, Skroblin A, Perry AL, De Ridder TR** (2016) Remote chemical immobilisation method for free-ranging Australian cattle. *Australian Veterinary Journal* 94: 438-444.

**Hayward MW, Ward-Fear G, L'Hotellier F, Herman K, Kabat AP, Gibbons JP** (2016) Could biodiversity loss have increased Australia's bushfire threat? *Animal Conservation*: 10.1111/acv.12269.

**Hohnen R, Tuft KD, Legge S, Hillyer M, Spencer PB, Radford IJ, Johnson CN, Burrridge CP** (2016) Rainfall and topography predict gene flow among populations of the declining northern quoll (*Dasyurus hallucatus*). *Conservation Genetics* DOI: 10.1007/s10592-016-0856-z.

**Hohnen R, Tuft KD, Legge S, Walters N, Johanson L, Carver S, Radford IJ, Johnson CN** (2016) The significance of topographic complexity in habitat selection and persistence of a declining marsupial in the Kimberley region of Western Australia. *Australian Journal of Zoology* DOI: 10.1071/ZO16015.

**Hohnen R, Tuft K, McGregor HW, Legge S, Radford IJ, Johnson CN** (2016) Occupancy of the invasive feral cat varies with habitat complexity. *PLoS ONE* 11: e0152520.

**Hulst F, Kemp LF, Slapeta J** (2016) A new coccidian parasite of the boodie, *Bettongia lesueur* (Mammalia: Marsupialia: Potoroidae), from Australia. *Folia Parasitologica* 63:036.

**May TM, Page MJ, Fleming PA** (2016) Predicting survivors: animal temperament and translocation. *Behavioral Ecology* DOI: 10.1093/beheco/arv242.

**McGregor HW, Hampton JO, Lisle D, Legge S** (2016) Live-capture of feral cats using tracking dogs and darting, with comparisons to leg-hold trapping. *Wildlife Research* 43: 313.

- McGregor** HM, **Legge** S, Jones M, Johnson CN (2016) Extraterritorial hunting using expeditions to intense fire scars by feral cats. *Scientific Reports* 6:22559.
- McGregor** HW, **Legge** SM, Jones ME, Johnson CN (2016) GPS collars are more efficient when collecting high-frequency data. *Australian Mammalogy* DOI: 10.1071/AM15034.
- Peters A, Raidal SR, **Roshier** DA (2016) Field techniques in the study of Australian pigeons and doves. *Australian Field Ornithology* 13: 187-197.
- Rosauer D, Blom M, Bourke G, Catalano S, Donnellan S, Gillespie G, **Mulder** E, Oliver P, Potter S, Pratt R, Rabosky D, Skipworth P, Moritz C (2016) Phylogeography, hotspots and conservation priorities: An example from the Top End of Australia. *Biological Conservation* DOI: 10.1016/j.biocon.2016.05.002.
- Smith** J, **Legge** S, **James** A, **Tuft** K (2016) Optimising camera trap deployment design across multiple sites for species inventory surveys. *Pacific Conservation Biology* 22 DOI: 10.1071/PC16017.
- Walsh FJ, Sparrow AD, Kendrick P, **Schofield** J (2016) Fairy circles or ghosts of termitaria? Pavement termites as alternative causes of circular patterns in vegetation of desert Australia. *PNAS* DOI: 10.1073/pnas.1607860113.

## 2015

- Bengsen AJ, Algar D, Ballard G, Buckmaster T, Comer S, Fleming PJS, Friend JA, Johnston M, **McGregor** H, Moseby K, Zewe F (2015) Feral cat home-range size varies predictably with landscape productivity and population density. *Journal of Zoology* DOI: 10.1111/jzo.12290.
- Eldridge DJ, Woodhouse JN, Curlevski NJA, **Hayward** M, Brown MV, Neilan BA (2015) Soil-foraging animals alter the composition and co-occurrence of microbial communities in a desert shrubland. *ISME Journal* DOI: 10.1038/ismej.2015.70.
- Hayward** MW, **Poh** ASL, **Cathcart** J, Churcher C, **Bentley** J, **Herman** K, **Kemp** L, **Riessen** N, **Scully** P, Diong CH, **Legge** S, **Carter** A, Gibb H, Friend JA (2015) Numbat nirvana: conservation ecology of the endangered numbat (*Myrmecobius fasciatus*) (Marsupialia : Myrmecobiidae) reintroduced to Scotia and Yookamurra Sanctuaries, Australia. *Australian Journal of Zoology* 63: 258-269.
- Hohnen** R, **Tuft** KD, **Legge** S, Radford IJ, Carver S, Johnson CN (2015) Post-fire habitat use of the golden-backed tree-rat (*Mesembriomys macrurus*) in the northwest Kimberley, Western Australia. *Austral Ecology* DOI: 10.1111/aec.12278.
- Keppel** G, Allen J, **Riessen** N (2015) Seasonal changes in plant communities surrounding warrens of the southern hairy-nosed wombat (*Lasiorhinus latifrons*). *The South Australian Naturalist* 89: 8-19.
- Lawes MJ, Fisher DO, Johnson CN, Blomberg SP, **Frank** ASK, Fritz SA, McCallum H, VanDerWal J, Abbott BN, **Legge** S, Letnic M, Thomas CR, Thurgate N, Fisher A, Gordon IJ, Kutt A (2015) Correlates of recent declines of rodents in northern and southern Australia: habitat structure is critical. *PLoS ONE* 10: e0130626.
- Leahy** L, **Legge** SM, **Tuft** K, **McGregor** HW, Barmuta LA, Jones ME, Johnson CN (2015) Amplified predation after fire suppresses rodent populations in Australia's tropical savannas. *Wildlife Research* 42: 705-716.
- Legge** S (2015) A plea for inserting evidence-based management into conservation practice. *Animal Conservation* 18: 113-116.
- Legge** S, Garnett S, Maute K, **Heathcote** J, **Murphy** S, Woinarski JCZ, Astheimer L (2015) A landscape-scale, applied fire management experiment promotes recovery of a population of the threatened Gouldian Finch, *Erythrura gouldiae*, in Australia's tropical savannas. *PLoS ONE* 10: e0137997.
- Maute** K, French K, **Legge** S, Astheimer L, Garnett S (2015) Condition index monitoring supports conservation priorities for the protection of threatened grass-finch populations. *Conservation Physiology* DOI: 10.1093/conphys/cov025.
- McEvoy JF, **Roshier** DA, Ribot RFH, Bennett AD (2015) Proximate cues to phases of movement in a highly dispersive waterfowl, *Anas superciliosa*. *Movement Ecology* DOI: 10.1186/s40462-015-0048-3.
- McGregor** H, **Legge** S, Jones ME, Johnson CN (2015) Feral cats are better killers in open habitats, revealed by animal-borne video. *PLoS ONE* 10: e0133915.
- McGregor** HW, **Legge** S, Potts J, Jones ME, Johnson CN (2015) Density and home range of feral cats in north-western Australia. *Wildlife Research* DOI: 10.1071/WR14180.

- Milenkaya O**, Catlin DH, **Legge S**, Walters JR (2015) Body condition indices predict reproductive success but not survival in a sedentary, tropical bird. *PLoS ONE* 10: e0136582.
- Moore D**, Kearney MR, Paltridge R, McAlpin S, Stow A (2015) Is fire a threatening process for *Liopholis kintorei*, a nationally listed threatened skink? *Wildlife Research* DOI: 10.1071/WR14227.
- Moore EPB**, **Hayward M**, Robert KA (2015) High density, maternal condition, and stress are associated with male-biased sex allocation in a marsupial. *Journal of Mammalogy* DOI: 10.1093/jmammal/gyv129.
- Silvey CJ, **Hayward MW**, Gibb H (2015) Effects of reconstruction of a pre-European vertebrate assemblage on ground-dwelling arachnids in arid Australia. *Oecologia* 178: 497-509.
- Stokeld D, **Frank ASK**, Hill B, Low Choy J, Mahney T, Stevens A, Young S, Rangers D, Rangers W, Gillespie GR (2015) Multiple cameras required to reliably detect feral cats in northern Australian tropical savanna: an evaluation of sampling design when using camera traps. *Wildlife Research* DOI: 10.1071/WR15083.
- Ziembicki MR, Woinarski JCZ, Webb JK, Vanderduys E, **Tuft K**, **Smith J**, Ritchie EG, Reardon TB, Radford IJ, Preece N, Perry J, Murphy BP, **McGregor H**, **Legge S**, **Leahy L**, Lawes MJ, **Kanowski J**, Johnson CN, **James A**, Griffiths AD, Gillespie G, **Frank ASK**, Fisher A, Burbidge AA (2015) Stemming the tide: progress towards resolving the causes of decline and implementing management responses for the disappearing mammal fauna of northern Australia. *Therya* 6: 169-225.

## 2014

- Boardman WSJ, Caraguel CG, Gill S, **Herman K**, McEwen M-M, Haghighi LC, Smith I (2014) Mass capture and anesthesia of Australian bridled nailtail wallabies (*Onychogalea fraenata*) with the use of medetomidine and ketamine. *Journal of Wildlife Diseases* 50 DOI: 10.7589/2014-01-018
- Frank ASK**, Johnson CN, Potts JM, Fisher A, Lawes MJ, Woinarski JCZ, **Tuft K**, Radford IJ, Gordon IJ, **Collis M-A**, **Legge S** (2014) Experimental evidence that feral cats cause local extirpation of small mammals in Australia's tropical savannas. *Journal of Applied Ecology* DOI: 10.1111/1365-2664.12323.
- Hayward MW**, Marlow N (2014) Will dingoes really conserve wildlife and can our methods tell? *Journal of Applied Ecology* DOI: 10.1111/1365-2664.12250.
- Hill DA, Armstrong KN, Barden PA (2014) Preliminary assessment suggests that acoustic lures can increase capture rates of Australian echolocating bats. *Australian Mammalogy* DOI: 10.1071/AM14019
- McGregor HM**, **Legge S**, Jones ME, Johnson CN (2014) Landscape management of fire and grazing regimes alters the fine-scale habitat utilisation by feral cats. *PLoS ONE* 9: e109097.
- Milenkaya O**, **Legge S**, Walters JR (2014) Body condition indices are repeatable across short, but not long, time periods in Crimson Finches *Neochmia phaeton*. *Physiological and Biochemical Zoology* 87: 550-558.
- Narayan EJ, Evans N, Hero J-M (2014) Monitoring physiological stress in semi-free ranging populations of an endangered Australian marsupial, the Greater Bilby (*Macrotis lagotis*). *European Journal of Wildlife Research* 60: 727-735.
- Skroblin A**, Cockburn A, **Legge S** (2014) The population genetics of the western purple-crowned fairy-wren (*Malurus coronatus coronatus*), a declining riparian passerine. *Australian Journal of Zoology* 62: 251-259.
- Skroblin A**, **Legge S**, **Webb T**, Hunt LP (2014) EcoFire: regional-scale prescribed burning increases the annual carrying capacity of livestock on pastoral properties by reducing pasture loss from wildfire. *The Rangeland Journal* 36: 133-142.

## 2013

- Eldridge DJ, Soliveres S, Bowker MA, Val J (2013) Grazing dampens the positive effects of shrub encroachment on ecosystem functions in a semi-arid woodland. *Journal of Applied Ecology* 50: 1028-1038.

- Fisher DO, Johnson CN, Lawes MJ, Fritz SA, McCallum H, Blomberg SP, VanDerWal J, Abbott B, **Frank A, Legge S, Letnic M, Thomas CR, Fisher A, Gordon IJ, Kutt A** (2013) The current decline of tropical marsupials in Australia: is history repeating? *Global Ecology and Biogeography* DOI: 10.1111/geb.12088.
- Lunt ID, Byrne M, Hellmann JJ, Mitchell NJ, Garnett ST, **Hayward MW, Martin TG, McDonald-Madden E, Williams SE, Zander KK** (2013) Using assisted colonisation to conserve biodiversity and restore ecosystem function under climate change. *Biological Conservation* 157: 172-177.
- Maute KL, French K, Legge S, Astheimer L** (2013) Seasonal stress physiology and body condition differ among co-occurring tropical finch species. *Journal of Comparative Physiology B* DOI:10.1007/s00360-013-0775-y.
- Milenkaya O, Weinstein N, Legge S, Walters J** (2013) Variation in body condition indices by sex, breeding stage and age limits ability to assess habitat effects in crimson finches. *Conservation Physiology* 1:cot020 DOI: 10.1093/conphys/cot020.
- Pacioni C, Wayne AF, Spencer P (2013) Genetic outcomes from the translocations of the critically endangered woylie. *Current Zoology* 59: 294-310.
- Skroblin A, Legge S** (2013) Conservation of the patchily distributed and declining Purple-crowned Fairy-wren (*Malurus coronatus coronatus*) across a vast landscape: the need for a collaborative landscape-scale approach. *PLoS ONE* 8:e64942.
- Skroblin A, Murphy S** (2013) The conservation status of Australian malurids and their value as models in understanding land-management issues. *Emu* 113:309-318.
- Wayne AF, Maxwell M, Ward C, Vellios C, Ward B, Liddlelow G, Wilson I, Wayne J, Williams M (2013) Importance of getting the numbers right: quantifying the rapid and substantial decline of an abundant marsupial, *Bettongia penicillata*. *Wildlife Research* 40: 169-183.
- Woinarski J, **Legge S** (2013) The impacts of fire on birds in Australia's tropical savannas. *Emu* DOI: 10.1071/MU12109.

## 2012

- Armstrong G, Philips B** (2012) Fire history from life-history: determining the fire regime that a plant community is adapted using life-histories. *PLoS ONE* 7: e31544.
- Banks PB, **Hughes NK** (2012) A review of the evidence for potential impacts of black rats (*Rattus rattus*) on wildlife and humans in Australia. *Wildlife Research* 39: 78-88.
- Bateman BL, VanDerWal J, Johnson CN** (2012) Nice weather for bettongs: using weather events, not climate means, in species distribution models. *Ecography* 35: 306-314.
- Bateman BL, VanDerWal J, Williams SE, Johnson CN** (2012) Biotic interactions influence the projected distribution of a specialist mammal under climate change. *Diversity and Distributions* 18: 861-872.
- Berry O, Algar D, Angus J, Hamilton N, Hilmer S, Sutherland D (2012) Genetic tagging reveals a significant impact of poison baiting on an invasive species. *The Journal of Wildlife Management* 76: 729-739.
- Brook LA, Johnson CN, Ritchie EG (2012) Effects of predator control on behaviour of an apex predator and indirect consequences for mesopredator suppression. *Journal of Applied Ecology* 49: 1278-1286.
- Carwardine J, O'Connor T, **Legge S, Mackey B, Possingham HP, Martin TG** (2012) Prioritizing threat management for biodiversity conservation. *Conservation Letters* 5: 196-204.
- Coggan N** (2012) Are native dung beetle species following mammals in the critical weight range towards extinction? *Proceedings of the Linnean Society of New South Wales* 134: A5-A9.

- Eldridge DJ, Huang N, **Bentley J, Hayward MW** (2012) Soil disturbance by invertebrates in a semi-arid eucalypt woodland: effects of grazing exclusion, faunal reintroductions, landscape and patch characteristics. *Proceedings of the Linnean Society of New South Wales* 134: A11-A18.
- Gibb H (2012) How might terrestrial arthropod assemblages have changed after the dramatic decline of Critical Weight Range (CWR) mammals in Australia? Using reintroductions at Scotia Sanctuary as a model for pre-European ecosystems. *Proceedings of the Linnean Society of New South Wales* 134: A19-A26.
- Hayward MW, Keith DA** (2012) The Scotia Science Symposium 2011. *Proceedings of the Linnean Society of New South Wales* 134: A3-A4.
- Hayward MW, L'Hotellier F, O'Connor T, Ward-Fear G, Cathcart J, Cathcart T, Stephens J, Stephens J, Herman K, Legge S** (2012) Reintroduction of Bridled Nailtail Wallabies beyond fences at Scotia Sanctuary – Phase 1. *Proceedings of the Linnean Society of New South Wales* 134: A27-A37.
- Hohnen R, Ashby J, Tuft K, McGregor H** (2012) Individual identification of northern quolls (*Dasyurus hallucatus*) using remote cameras. *Australian Mammalogy* 35:131-135.
- Kennedy M, Phillips BL, Legge S, Murphy SA, Faulkner R** (2012) Do dingoes suppress the activity of feral cats in northern Australia? *Austral Ecology* 37: 134-139.
- Kingma SA, Hall ML, Peters A (2012) Sperm storage reflects within- and extra-pair mating opportunities in a cooperatively breeding bird. *Behavioral Ecology and Sociobiology* 66: 1115-1123.
- Kutt AS, Vanderduys EP, Perry JJ, Perkins GC, Kemp JE, **Bateman BL, Kanowski J, Jensen R** (2012) Signals of change in tropical savanna woodland vertebrate fauna 5 years after cessation of livestock grazing. *Wildlife Research* 39: 386-396.
- Levin N, **Legge S**, Price B, Bowen M, Litvack E, Maron M, McAlpine C (2012) MODIS time series as a tool for monitoring fires and their effects on savannah bird diversity. *International Journal of Wildland Fire* 21: 680-694.
- Lindenmayer DB, Gibbons P, Bourke M, Burgman M, Dickman CR, Ferrier S, Fitzsimons J, Freudenberger D, Garnett ST, Groves C, Hobbs RJ, Kingsford RT, Krebs C, **Legge S**, Lowe AJ, McLean R, Montambault J, Possingham H, Radford J, Robinson D, Smallbone L, Thomas D, Varcoe T, Vardon M, Wardle G, Woinarski J, Zenger A (2012) Improving biodiversity monitoring. *Austral Ecology* 37: 285-294.
- Martin TG, Nally S, Burbidge AA, Arnall S, Garnett ST, **Hayward MW**, Lumsden LF, Menkhorst P, McDonald-Madden E, Possingham HP (2012) Acting fast helps avoid extinction. *Conservation Letters* 5: 274-280.
- Page MJ, Kuiper J, Kabat AP, Legge S** (2012) A way to reduce interference with Elliott traps. *Australian Mammalogy* 35: 128-130.
- Skroblin A, Lanfear R, Cockburn A, Legge S** (2012) Inferring population connectivity across the range of the purple-crowned fairy-wren (*Malurus coronatus*) from mitochondrial DNA and morphology: implications for conservation management. *Australian Journal of Zoology* 60: 199-209.
- Skroblin A, Legge S** (2012) Influence of fine-scale habitat requirements and riparian degradation on the distribution of the purple-crowned fairy-wren (*Malurus coronatus coronatus*) in northern Australia. *Austral Ecology* 37: 874-884.
- Travers SK, Eldridge DJ** (2012) Landscape modulators and resource accumulation in a post-fire eucalypt woodland. *Forest Ecology and Management* 285: 11-19.
- Virkki D, Tran C, Castley G** (2012) Reptile Responses to Lantana Management in a Wet Sclerophyll Forest, Australia. *Journal of Herpetology* 46: 177-185.

## 2011

- Armstrong G** (2011) Evidence for the equal resilience of *Triodia* spp. (Poaceae), from different functional groups, to frequent fire dating back to the late Pleistocene. *Heredity* 107:558-564.
- Armstrong G**, Garnett ST (2011) Landscape partitioning among *Triodia* spp (Poaceae) in the fire prone Kimberley, north-west Australia. *Austral Ecology* 36: 849-857.
- Armstrong G**, **Legge S** (2011) The post-fire response of an obligate seeding *Triodia* species (Poaceae) in the fire-prone Kimberley, north-west Australia. *International Journal of Wildland Fire* 20: 974-981.
- Bateman BL**, Abell-Davis SE, Johnson CN (2011) Climate-driven variation in food availability between the core and range edge of the endangered northern bettong (*Bettongia tropica*). *Australian Journal of Zoology* 59: 177-185.
- Bateman BL**, Johnson CN (2011) The influence of climate, habitat and fire on the distribution of cockatoo grass (*Alloterospis semialata*) (Poaceae) in the Wet Tropics of northern Australia. *Australian Journal of Botany* 59: 315-323.
- Burbidge AA, Byrne M, Coates D, Garnett ST, Harris S, **Hayward MW**, Martin TG, McDonald-Madden E, Mitchell NJ, Nally S, Setterfield SS (2011) Is Australia ready for assisted colonization? Policy changes required to facilitate translocation under climate change. *Pacific Conservation Biology* 17: 259-269.
- Guthrie NA, Hilmer SS, Algar D, **Richards JD** (2011) A survey of ground-dwelling invertebrates from Mount Gibson Wildlife Sanctuary and Karara-Lochada Pastoral Stations. *Conservation Science Western Australia* 8: 23-29.
- Hayward MW** (2011) Using the IUCN Red List to determine effective conservation strategies. *Biodiversity and Conservation* 20: 2563-2573.
- Hayward MW**, **Bellchambers K**, **Herman K**, **Bentley J**, **Legge S** (2011) Spatial behaviour of yellow-footed rock-wallabies, *Petrogale xanthopus*, changes in response to active conservation management. *Australian Journal of Zoology* 59: 1-8.
- Kingma SA, Hall ML, Arriero E, Peters A (2011) No evidence for offspring sex-ratio adjustment to social or environmental conditions in cooperatively breeding purple-crowned fairy-wrens. *Behavioral Ecology and Sociobiology* 65: 1203-1213.
- Kingma SA, Hall ML, Peters A (2011) Multiple benefits drive helping behavior in a cooperatively breeding bird: An integrated analysis. *The American Naturalist* DOI: 10.1086/658989.
- Kutt AS, **Bateman BL**, Vanderduys EP (2011) Lizard diversity on a rainforest-savanna altitude gradient in north-eastern Australia. *Australian Journal of Zoology* 59: 86-94.
- Legge S**, **Kennedy MS**, **Lloyd R**, **Murphy SA**, Fisher A (2011) Rapid recovery of mammal fauna in the central Kimberley, northern Australia, following the removal of introduced herbivores. *Austral Ecology* 36: 791-799.
- Legge S**, **Murphy S**, **Kingswood R**, Maher B, **Swan D** (2011) EcoFire: Restoring the biodiversity values of the Kimberley region by managing fire. *Ecological Management and Restoration* 12: 84-92.
- Milenkaya O**, **Legge S**, Walters JR (2011) Breeding biology and life history traits of an Australasian tropical granivore, the Crimson Finch (*Neochmia phaeton*). *Emu* 111: 312-320.
- Murphy SA**, Joseph L, Burbidge AH, Austin J (2011) A cryptic and critically endangered species revealed by mitochondrial DNA analyses: the Western Ground Parrot. *Conservation Genetics* 12: 595-600.
- Richards JD**, Algar D, Hamilton N, Hilmer S, Rolfe J, Onus M, Prince J (2011) Small mammal and reptile assemblages of the semi-arid woodlands and *Acacia* sandplains in the southern rangelands of Western Australia. *Conservation Science Western Australia* 8: 1-10.

- Richards** JD, Hamilton N, Fuller PJ, Algar D, Prince J (2011) Terrestrial bird assemblages of the semi-arid woodlands and *Acacia* sandplains in the southern rangelands of Western Australia Conservation Science Western Australia 8: 11-21.
- Williams PR, Parsons M, **Jensen** R, Tran C (2011) Mechanisms of rainforest persistence and recruitment in frequently burnt wet tropical eucalypt forests. Austral Ecology 37: 268-275.
- Woinarski JCZ, **Legge** S, Fitzsimons JA, Traill BJ, Burbidge AA, Fisher A, Firth RSC, Gordon IJ, Griffiths AD, Johnson CN, McKenzie NL, Palmer C, Radford I, Rankmore B, Ritchie EG, Ward S, Ziembicki M (2011) The disappearing mammal fauna of northern Australia: context, cause, and response. Conservation Letters 4:192-201.

## 2010

- Bateman** BL, Kutt AS, Vanderduys EP, Kemp JE (2010) Small-mammal species richness and abundance along a tropical altitudinal gradient: an Australian example. Journal of Tropical Ecology 26: 139-149.
- Doody S, **Milenkaya** O, Rhind D, Eastley T, Penrose K (2010) *Varanus mitchelli* (Mitchell's Water Monitor). Diet and foraging behaviour. Herpetological Review 41: 233-234.
- Hall ML, **Murphy** SA, **Churchwell** RT, **Milenkaya** O (2010) Interspecific feeding between an insectivore and a granivore -- male purple-crowned fairy-wren *Malurus coronatus* feeds nestling Crimson finches *Neochmia phaeton*. Corella 34: 49-50.
- Hines** KN, **Skroblin** A (2010) Australian freshwater crocodile (*Crocodylus johnstoni*) attacks on humans. Herpetological Review 41: 430-433.
- Kingma SA, Hall ML, Arriero E, Peters A (2010) Multiple benefits of cooperative breeding in purple-crowned fairy-wrens: a consequence of fidelity? Journal of Animal Ecology 79: 757-768.
- Lloyd** R, Trembath DF (2010) Male combat in the mulga snakes *Pseudechis australis* (Serpentes: Elapidae): a series of observations from northern Australia. Herpetofauna 40: 16-22.
- Murphy** SA, **Legge** SM, **Heathcote** J, **Mulder** E (2010) The effects of early and late-season fires on mortality, dispersal, physiology and breeding of red-backed fairy-wrens (*Malurus melanocephalus*). Wildlife Research 37: 145-155.
- Skroblin** A, **Legge** S (2010) The distribution and status of the western subspecies of the Purple-crowned Fairy-wren (*Malurus coronatus coronatus*). Emu 110: 339-347.

## 2009

- Armstrong** G (2009) *Triodia caelestialis* (*Triodieae*: Chloridoideae: Poaceae), a new species from the central Kimberley, Western Australia. Journal of the Royal Society of Western Australia 91: 313-317.
- Hall ML, Peters A (2009) Do male paternity guards ensure female fidelity in a duetting fairy-wren? Behavioral Ecology 20: 222-228.
- Kingma SA, Hall ML, Segelbacher G, Peters A (2009) Radical loss of an extreme extra-pair mating system. BMC Ecology 9: 15.
- McDougall A, Porter G, Mostert M, Cupitt R, Cupitt S, Joseph L, **Murphy** S, Janetzki H, Gallagher A, Burbidge A (2009) Another piece in an Australian ornithological puzzle - a second Night Parrot is found dead in Queensland. Emu 109: 198-203.
- Murphy** SA, **Heathcote** J, Garcia S, **Legge** SM (2009) Time partitioning and substrate use of red-backed fairy-wrens *Malurus melanocephalus*. Corella 33: 39-42.

Navnith M, **Finlayson** GR, Crowther MS, Dickman CR (2009) The diet of the re-introduced greater bilby *Macrotis lagotis* in the mallee woodlands of western New South Wales. *Australian Zoologist* 35: 90-95.

## 2008

- Algar D, Angus GJ (2008) Feasibility study for the eradication of feral cats from Faure Island, Shark Bay, Western Australia. *Records of the Western Australian Museum Supplement* 75: 71-75.
- Aplin K, Donnellan S, Dell J (2008) The herpetofauna of Faure Island, Shark Bay, Western Australia. *Records of the Western Australian Museum Supplement* 75: 39-53.
- Baynes A (2008) The original non-volant mammal fauna of Faure Island, Shark Bay, Western Australia. *Records of the Western Australian Museum Supplement* 75: 25-31.
- Dell J, Cherriman S (2008) The birds of Faure Island, Shark Bay, Western Australia. *Records of the Western Australian Museum Supplement* 75: 55-70.
- Finlayson** GR, Vieira EM, Priddel D, Wheller R, **Bentley** J, Dickman C (2008) Multi-scale patterns of habitat use by re-introduced mammals: A case study using medium-sized marsupials. *Biological Conservation* 141: 320-331.
- Hall ML, Peters A (2008) Coordination between the sexes for territorial defence in a duetting fairy-wren. *Animal Behaviour* 76: 65-73.
- Keighery G, Muir W (2008) Vegetation and vascular flora of Faure Island, Shark Bay, Western Australia. *Records of the Western Australian Museum Supplement* 75: 11-19.
- Legge** S, **Murphy** S, **Heathcote** J, Flaxman E, Augusteyn J, Crossman M (2008) The short-term effects of an extensive and high-intensity fire on vertebrates in the tropical savannas of the central Kimberley, northern Australia. *Wildlife Research* 35: 33-43.
- Richards** JD, Wilson B (2008) A biological survey of Faure Island, Shark Bay World Heritage property, Western Australia. *Records of the Western Australian Museum Supplement* no. 75.
- Schmitz** A, **Richards** JD (2008) A survey of the terrestrial vertebrates of Faure Island, Shark Bay, Western Australia. *Records of the Western Australian Museum Supplement* 75: 33-37.
- Smith A, Clark P, Averis S, Lymberry AJ, Wayne AF, Morris KD, Thompson RCA (2008) Trypanosomes in a declining species of threatened Australian marsupial, the brush-tailed bettong *Bettongia penicillata* (Marsupialia: Potoroidae). *Parasitology* 135: 1329-1335.
- Van Ingen LT, Campos RI, Andersen AN (2008) Ant community structure along an extended rain forest-savanna gradient in tropical Australia. *Journal of Tropical Ecology* 24: 445-455.
- Wilson B (2008) Background information on Faure Island, Shark Bay, Western Australia. *Records of the Western Australian Museum Supplement* 75: 1-9.
- Wilson B (2008) Terrestrial gastropods of Faure Island, Shark Bay, Western Australia. *Records of the Western Australian Museum Supplement* 75: 21-24.

## 2007

- Pizzuto TA, **Finlayson** GR, Crowther MS, Dickman CR (2007) Microhabitat use by the brush-tailed bettong (*Bettongia penicillata*) and burrowing bettong (*B. lesueur*) in semiarid New South Wales: implications for reintroduction programs. *Wildlife Research* 34: 271-279.
- Vieira EM, **Finlayson** GR, Dickman CR (2007) Habitat use and density of numbats (*Myrmecobius fasciatus*) reintroduced into an area of mallee vegetation, New South Wales. *Australian Mammalogy* 29: 17-24.



## Books, book chapters, published reports (25)

### 2016

**Kemp L, Roshier D** (2016) A trial of release protocols for re-introduction of the bush stone-curlew to southern Australia. In: Soorae PS (ed) *Global Re-introduction Perspectives:2016. Case-studies from around the globe*, pp 117-122, IUCN/SSC Reintroduction Specialist Group, Abu Dhabi, UAE.

### 2015

Jacklyn P, Ansell S, Crosbie A, Holmes J, Joseph A, **Legge S**, Lewis B, Pickworth A, Vigilante T, Weigl J (2015) The operational role of satellite-based fire data in savanna burning methodologies. In: Murphy BP, Edwards AC, Meyer M, Russell-Smith J (eds) *Carbon Accounting and Savanna Fire Management*, pp 97-113, CSIRO Publishing, Melbourne.

**Kemp LK**, Norbury G, Groenewegen R, Comer S (2015) The roles of trials and experiments in fauna reintroduction programs. In: Armstrong DP, Hayward MW, Moro D, Seddon PJ (eds) *Advances in Reintroduction Biology of Australian and New Zealand Fauna*, pp 73-89, CSIRO Publishing, Collingwood, Victoria.

Parker K, Adams L, Baling M, **Kemp L**, Kuchling G, Lloyd B, Parsons S, Ruffell J, Stringer I, Watts C, Dickens M (2015) Practical guidelines for planning and implementing fauna translocations. In: Armstrong DP, Hayward MH, Moro D, Seddon PJ (eds) *Advances in Reintroduction Biology of Australian and New Zealand Fauna*, pp 255-274, CSIRO Publishing, Collingwood, Victoria.

Russell-Smith J, Bristow M, Brocklehurst P, Cook GD, Cuff N, Edwards AC, Fisher R, Hutley LB, Jacklyn P, James G, **Legge S**, Liedloff AC, Lynch D, Maier S, Meyer CPM, Monagle C, Murphy BP, Oliveira S, Whitehead PJ, Yates CP (2015) Where to from here? In: Murphy BP, Edwards AC, Meyer M, Russell-Smith J (eds) *Carbon Accounting and Savanna Fire Management*, pp 329-346, CSIRO Publishing, Melbourne.

Yates CP, Russell-Smith J, Murphy BP, Desailly M, Evans J, **Legge S**, **Lewis F**, Lynch D, Edwards AC (2015) Fuel accumulation, consumption and fire patchiness in the lower rainfall savanna region. In: Murphy BP, Edwards AC, Meyer M, Russell-Smith J (eds) *Carbon Accounting and Savanna Fire Management*, pp 115-132, CSIRO Publishing, Melbourne.

### 2014

Read JL, **Hayward MW**, Moseby KE (2014) The role of predator exclosures in the conservation of Australian fauna. In: Glen AS, Dickman CR (eds) *Carnivores of Australia*, CSIRO Publishing, Collingwood, Australia.

Woinarski J, Burbidge A, Comer S, Harley D, Legge S, Lindenmayer D, Partridge T (2014) Fire and biodiversity in Australia. In: Stow A, Maclean N, Holwell GI (eds) *Austral ark: the state of wildlife in Australia and New Zealand*, pp 537-559, Cambridge University Press, Cambridge, UK.

### 2013

Hayward MW (2013) Simpson Desert. In: Golson JG (ed) *Biomes and Ecosystems: An Encyclopedia*, pp 1145-1148, Salem Press, Pasadena, USA.

### 2012

Allen BL, Fleming PJS, **Hayward M**, Allen LR, Engeman RM, Ballard G, Leung LK-P (2012) Top-Predators as biodiversity regulators: contemporary issues affecting knowledge and management of dingoes in Australia. In: Lameed GA (ed) *Biodiversity enrichment in a diverse world*, pp 85-132, InTech Publishing, .

- Joseph L, Burbidge A, **Murphy S** (2012) Night Parrot. In: Curtis LK, Dennis AJ, McDonald KR, Kyne PM, Debus SJS (eds) Queensland's Threatened Animals. CSIRO Publishing, Melbourne, pp 300-301.
- Legge S, Fleming A** (2012) Measuring and reporting on conservation management outcomes. In: Lindenmayer D, Gibbons P (eds) Biodiversity Monitoring in Australia, CSIRO Publishing, Melbourne.
- Legge S, Fleming A** (2012) Fire management in the central Kimberley (EcoFire): delivering measurable results by integrating science and land management in a cost-effective model. In: Figgis P, Fitzsimons J, Irving J (eds) Innovation for 21st Century Conservation, Australian Committee for IUCN, Sydney.
- Maute K, Legge S** (2012) Crimson Finch (white-bellied subspecies). In: Curtis LK, Dennis AJ, McDonald KR, Kyne PM, Debus SJS (eds) Queensland's Threatened Animals, pp 326-327, CSIRO Publishing, Melbourne.
- Maute K, Legge S** (2012) Gouldian Finch. In: Curtis LK, Dennis AJ, McDonald KR, Kyne PM, Debus SJS (eds) Queensland's Threatened Animals, pp 330-331, CSIRO Publishing, Melbourne.
- Maute K, Legge S** (2012) Star Finch (southern subspecies). In: Curtis LK, Dennis AJ, McDonald KR, Kyne PM, Debus SJS (eds) Queensland's Threatened Animals, pp 328-329, CSIRO Publishing, Melbourne.
- Skroblin A** (2012) Purple-crowned Fairy-wren. In: Curtis LK, Dennis AJ, McDonald KR, Kyne PM, Debus SJS (eds) Queensland's Threatened Animals, pp 310-311, CSIRO Publishing, Melbourne.

## 2011

- Carwardine J, O'Conner T, **Legge S**, Mackey B, Possingham H, Martin T (2011) Priority threat management to protect Kimberley wildlife. CSIRO Ecosystem Sciences, Brisbane.

## 2010

- Finlayson GR, Finlayson ST, Dickman CR** (2010) Returning the rat kangaroos: translocation attempts in the family Potoroidae (superfamily Macropodoidea) and recommendations for conservation. In: Coulson G, Eldridge MDB (eds) Macropods: the Biology of Kangaroos, Wallabies and Rat-kangaroos, pp 245-262, CSIRO Publishing, Melbourne.
- Fitzsimmons J, **Legge S**, Traill B, Woinarski J (2010) Into oblivion? The disappearing native mammals of northern Australia. The Nature Conservancy, Melbourne.
- Hayward M, Legge S, Parsons BC, Page M, Herman K, Mulder E** (2010) Woylie re-introduction as part of the Australian Wildlife Conservancy's endangered species recovery programme at Scotia Sanctuary, far western New South Wales, Australia. In: Soorae PS (ed) Global Re-introduction Perspectives: Additional case-studies from around the globe, pp 202-207, IUCN/SSC Re-introduction Specialist Group, Gland, Switzerland.

## 2009

- Hall ML (2009) A review of vocal duetting in birds. In: Naguib M, Janik VM (eds) Advances in the Study of Behavior, vol. 40, pp 67-121, Burlington Academic Press, Elsevier.
- Murphy S, Legge S** (2009) Managing fire at Mornington Wildlife Sanctuary. In: Maria K, Peter J, Mike C (eds) The Bush Book: A manual for managing native vegetation across northern Australia, Greening Australia (NT) Ltd, Darwin.

## 2008

- Legge S, Fleming A** (2008) Monitoring to evaluate conservation management: Fire and grazing. In: Olsen P (ed) The State of Australia's Birds 2008. Wingspan supplement, pp 12-13, Birds Australia, Melbourne.

**2007**

**Richards JD** (2007) Western Barred Bandicoot *Perameles bougainville*, Burrowing Bettong *Bettongia lesueur* and Banded Hare-wallaby *Lagostrophus fasciatus* recovery plan 2007-2011. Australian Government and Department of Environment and Conservation Western Australia, Perth.

## Theses by AWC research students (37)

**2015**

**Hohnen R** (2015) The dynamics of a refuge: factors supporting small mammal persistence in the north Kimberley, Western Australia. PhD thesis, University of Tasmania, Hobart p 207.

**2014**

**Austin C** (2014) Can remote cameras accurately estimate populations of the endangered Northern Quoll? Honours thesis, University of Technology, Sydney

**Clarke JR** (2014) The role of fire in the ecology and conservation of the Black Grasswren (*Amytornis housei*) in the northwest Kimberley, Australia. Honours thesis, Charles Darwin University, Darwin.

**McGregor HW** (2014) Density, movements and hunting of feral cats in relation to fire and grazing in northern Australia. PhD thesis, University of Tasmania, Hobart.

**2013**

**Allen JP** (2013) Inter-seasonal variation in the diet of the southern hairy-nosed wombat (*Lasiorhinus latifrons*). Honours thesis, University of South Australia, Mawson Lakes.

**Cadenhead N** (2013) The role of fire in the distribution and persistence of the great desert skink, *Liopholis kintorei*, under climate change. Masters thesis, University of Melbourne, Melbourne.

**Collett R** (2013) Prey selectivity of dasyurids in arid and rainforest habitats - testing a new sampling method. Honours thesis, School of Biological Sciences, University of Queensland, Brisbane.

**Hutchison V** (2013) Does introduced predator exclusion benefit ground-nesting birds and small mammals? Honours thesis, University of Queensland.

**Leahy L** (2013) Responses of small mammals to fire in Australia's tropical savannas: A mechanistic approach. Honours thesis, University of Tasmania, Hobart.

**Milenkaya O** (2013) Validating body condition indices as indicators of individual quality: does condition explain intraspecific variation in reproductive success and survival among crimson finches (*Neochmia phaeton*)? PhD thesis, Virginia Polytechnic, Blacksburg.

**Travers SK** (2013) Aspects of litter dynamics in semi-arid environments in eastern Australia. PhD thesis, School of Biological, Earth and Environmental Sciences, UNSW, Sydney.

**2012**

**Armstrong G** (2012) Regeneration strategies of *Triodia* spp in response to fire in the Kimberley, Western Australia. PhD thesis, Charles Darwin University, Darwin.

**MacGregor RB** (2012) Conservation ecology of Mala, Rufous Hare-Wallabies (*Lagorchestes hirsutus*) at Scotia Sanctuary, Australia. 3rd year report, BSc thesis, Southern Cross University, Lismore, NSW.

- Moore E** (2012) High density and resource competition drives male-biased sex allocation in a captive breeding colony of bridled nailtail wallabies, *Onychogalea fraenata*, in south-western NSW. Honours thesis, La Trobe University, Melbourne.
- Poh SLA** (2012) Spatial ecology and resource selection by female numbats, *Myrmecobius fasciatus* (Marsupialia: Myrmecobiidae) in Scotia Sanctuary, New South Wales, Australia. Masters thesis, Nanyang Technological University, Nanyang, PRC.
- Skroblin A** (2012) Phylogeography and conservation biology of the Purple-crowned Fairy-wren (*Malurus coronatus*). PhD thesis, Australian National University, Canberra.
- Verdon S** (2012) Mammalian ecosystem engineers can limit plant recruitment and alter plant composition in the arid zone. Bachelors thesis, La Trobe University, Melbourne.

## 2011

- Eikelboom T** (2011) A field comparison of survey methods for estimating the population density of woylies (*Bettongia penicillata*) at Karakamia Wildlife Sanctuary. Honours thesis, The University of Western Australia, Perth.
- Grossman B** (2011) Does the reintroduction of native mammals affect ant assemblage composition and invertebrate regulation of soil function and structure? Honours thesis, La Trobe University, Melbourne.
- Harris C** (2011) The effect of feral predator control on the seroprevalence of *Toxoplasma gondii* and *Neospora caninum*. Honours thesis, University of Adelaide, Adelaide.
- Lin E** (2011) The optimum field approach for monitoring the Black-flanked Rock Wallabies (*Petrogale lateralis lateralis*) in Paruna Wildlife Sanctuary. BSc thesis, University of Western Australia, Perth.
- Maute K** (2011) Variation in the health of tropical finches in relation to conservation status, season and land tenure. PhD thesis, University of Wollongong, Wollongong, NSW.
- May T** (2011) Does personality play a role in translocation success? A case study on brushtail possums (*Trichosurus vulpecula*). Honours thesis, Murdoch University, Perth.
- Silvey CJ** (2011) Threatened native omnivores affect ground dwelling arachnid assemblages: Mesopredator release and implications for intraguild predation. Honours thesis, La Trobe University, Melbourne.
- Steinhardt M** (2011) The diet of Barn Owl (*Tyto alba*) at Dakalanta Sanctuary, South Australia. Masters thesis, Macquarie University, Sydney.
- Zosky KL** (2011) Food resources and the decline of woylies *Bettongia penicillata ogilbyi* in southwestern Australia. PhD thesis, Murdoch University, Perth.

## 2010

- Bateman BL** (2010) Beyond Simple Means: Integrating extreme events and biotic interactions in species distribution models: Conservation implications for the northern bettong (*Bettongia tropica*) under climate change. PhD thesis, James Cook University, Townsville, Qld.
- Churcher CA** (2010) Home range and habitat use of a reintroduced population of numbats (*Myrmecobius fasciatus*) at Scotia Sanctuary, NSW. Honours thesis, La Trobe University, Melbourne.
- Finlayson GR** (2010) The reintroduction of medium-sized marsupials in western New South Wales. PhD thesis, University of Sydney, Sydney.
- McKay J** (2010) Spotlight tours: the impact of tour management and environmental conditions on sightings and disruption of threatened marsupials at Karakamia Wildlife Sanctuary, Western Australia. Honours thesis, The University of Western Australia, Perth.

**Rasmussen DJ** (2010) Genetic diversity and corridor use of a translocated population of black-flanked rock wallabies (*Petrogale lateralis lateralis*) at Paruna Wildlife Sanctuary. BSc thesis, The University of Western Australia, Perth.

**Yeatman G** (2010) Demographic changes of a woylie (*Bettongia penicillata*) population: a response to increasing density and climate drying? BSc thesis, The University of Western Australia, Perth.

**Zimmermann LL** (2010) Quantitative estimates of western ringtail possum (*Pseudocheirus occidentalis*) density and abundance at Karakamia Wildlife Sanctuary. Honours thesis, University of Western Australia, Perth.

## 2009

**Oliver D** (2009) The use of faunal assemblage for comparison of sample sites: Mt Gibson and Karara-Lochada Stations. BSc thesis, University of Western Australia, Perth.

**Palmer B** (2009) The dispersal of *Phytophthora cinnamomi* by the woylie (*Bettongia penicillata*). Honours thesis, Murdoch University, Perth.

**Virkki D** (2009) The impact of lantana in small vertebrates in the wet sclerophyll forest. Honours thesis, Griffiths University, Brisbane.

## 2008

**Rowles C** (2008) The diet of the gould's monitor *Varanus gouldii* and its potential impact on the translocated mammals of Faure Island, Shark Bay, Western Australia. Honours thesis, Curtin University, Perth.