

Rosemary Hohnen

PhD BSc (Hons)

Education

- 2012-2015 [PhD Candidate, University of Tasmania](#)
Thesis topic: The dynamics of a refuge: factors supporting small mammal persistence in the north Kimberley, Western Australia.
- 2008-2009 [Honors in Zoology \(First Class\), University of Tasmania](#)
Thesis topic: The mechanics of social status: Examining the relationships between endocrine profile and behaviour in the blue tongued lizard (*Tiliqua nigrolutea*)
- 2005-2008 [Bachelor of Science, University of Tasmania](#)
Zoology major, geography minor

Employment history

- 2023-2024 [Post-Doctoral Research Fellow, WCS Canada and Wilfrid Laurier University](#)
I am investigating how federal and provincial conservation strategies that are focused on caribou, impact wolverines.
- 2022-2023 [Senior Wildlife Officer, Department of Natural Resources and Environment Tasmania \(Fixed term\)](#)
I was part of the Tasmanian State Government's Orange-bellied Parrot (*Neophema chrysogaster*) Program, which manages recovery actions in Tasmania for this Critically Endangered migratory parrot. I contributed to the species management and was responsible for the identification of a new release site within its breeding range through a process of habitat modelling, on-ground assessments, the production of a Translocation Proposal.
- 2020-2022 [Senior Project Officer, NRM South \(Fixed term\)](#)
I ran two federally funded Regional Land Partnership Projects, one involving the restoration of Moulting Lagoon and Apsley Marshes on Tasmania's east coast, and another involving the management of feral, stray and domestic cats (*Felis catus*) across north Bruny Island. I also supported other projects that worked to conserve swift parrots (*Lathamus discolor*) and eastern quolls (*Dasyurus virrenus*) across Tasmania, Australia.
- 2020 [Contract Cat Researcher, Kangaroo Island Natural Resource Management Board \(Fixed term\)](#)
I designed and ran a research project aimed to test how effective the feral cat bait 'Curiosity' was at controlling feral cats in woodland habitats of Kangaroo Island, South Australia using camera trapping and telemetry techniques.
- 2020 [Contract Ecologist, Christmas Island National Parks \(Fixed term\)](#)
I designed and ran a short-term project that aimed to more effectively detect feral cats using camera traps, in order to produce more accurate population estimates and support the eradication of feral cats on Christmas Island.
- 2017-2020 & 2020-2021 [Post-Doctoral Research Fellow, Charles Darwin University and the Threatened Species Recovery Hub \(Fixed term\)](#)
I ran two research projects, the first aimed to determine the best means of detecting and protecting the Critically Endangered Kangaroo Island dunnart (*Sminthopsis fuliginosus aitkeni*). I refined monitoring methods, built a species distribution model and examined the prevalence and control methods for threats such as invasive feral cats. I also ran a second project that examined the impact of a catastrophic fire on the island's feral cat densities.
- 2016 [Field Ecologist, Australian Wildlife Conservancy \(Fixed term\)](#)
I was employed to run the annual biodiversity monitoring surveys across five sanctuaries in remote north-western Australia. I organised and managed groups of volunteers, identified and handled native mammal, bird and plant species, entered data and managed large databases.
- 2011 [North-west Field Ecology Intern, Australian Wildlife Conservancy \(Fixed term\)](#)
I supported the annual fauna monitoring surveys across five sanctuaries in North Western Australia. I helped set up the monitoring sites, packed and drove the 4WD vehicles, mentored volunteers and assisted in data management.

Publications

- 2024 Von Takach, B., Cameron, S.F., Cremona, T., Eldridge, M.D., Fisher, D.O., **Hohnen, R.**, Jolly, C.J., Kelly, E., Phillips, B.L., Radford, I.J. and Rick, K., 2024. Conservation prioritisation of genomic diversity to inform management of a declining mammal species. *Biological Conservation*, 291, doi 10.1016/j.biocon.2024.110467
- 2023 **Hohnen R.**, James A.I., Jennings P., Murphy B.P., Berris K., Legge S.M., Dickman C.R., Woinarski J.C.Z., (2023) Changes in abundance and activity of feral cats following high severity fire on Kangaroo Island Australia, *Wildlife Research*, 48(3), doi 10.1111/aec.13294
- 2023 Ensbey, M., Legge S., Jolly C.J., Garnett S.T., Gallagher R.V., Lintermans M., Nimmo et al. D.G. et al., (2023) "Animal population decline and recovery after severe fire: Relating ecological and life history traits with expert estimates of population impacts from the Australian 2019-20 megafires." *Biological Conservation*, 283, doi 10.1016/j.biocon.2023.110021
- 2022 **Hohnen R.**, Smith J., Mulvaney J., Evans T., Mooney T., (2022) Impacts of 'Curiosity' baiting on feral cat populations in woodland of Kangaroo Island, South Australia, *Wildlife Research*, 49(7) doi 10.1071/WR21090
- 2022 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., Ensbey M., Ehmke G., Ah Yong 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.**, et al., (2022) 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(10), doi 10.1111/geb.13473
- 2022 Von Takach B, Ranjard L, Burridge P.C., Cameron S.F., Cremona T., Eldridge M.D.B., Fisher D.O., **Hohnen R.**, et al., (2022) Population genomics of a predatory mammal reveals patterns of decline and impacts of exposure to toxic toads. *Molecular Ecology*, 31(21), doi 10.1111/mec.16680
- 2021 **Hohnen R.**, Murphy B., Legge S., Dickman C., Woinarski J., (2021) Habitat preferences of the Kangaroo Island dunnart (*Sminthopsis fuliginosus aitkeni*), *Australian Mammalogy*, 44(1), doi 10.1071/AM19036
- 2020 **Hohnen R.**, Berris, K., Hodgens, P., Mulvaney J., Florence, B., Murphy, B., Legge S., Dickman C., Woinarski J., (2020) Pre-eradication assessment of feral cat density across Kangaroo Island, *Wildlife Research*, 47(8), doi 10.1071/WR19137
- 2019 **Hohnen R.**, Murphy B., Gates J., Legge S., Dickman C., Woinarski J., (2019) Detecting and protecting the Kangaroo Island dunnart (*Sminthopsis fuliginosus aitkeni*), *Conservation Science and Practice*, 1(1), doi 10.1002/csp2.4
- 2019 **Hohnen R.**, Murphy B., Legge S., Dickman C., Woinarski J., (2019) Uptake of "Eradicat" feral cat baits by non-target species on Kangaroo Island, *Wildlife Research*, 47(8), doi 10.1071/WR19056
- 2017 Legge S., Murphy P.B., McGregor H. W., Woinarski J.C.Z., Augusteyn J., Ballard G., Baseler M., Buckmaster T., Dickman C.R., Doherty T., **Hohnen R.**, et al., (2017). Enumerating a continental-scale threat: how many feral cats are in Australia?, *Biological Conservation*, 206, doi 10.1016/j.biocon.2016.11.032
- 2016 **Hohnen R.**, Tuft K., Legge S., Carver S., Johanson L., Walters N., Radford I.J., Johnson C.N., (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* 64(3), doi 10.1071/ZO16015
- 2016 **Hohnen R.**, Tuft K., McGregor H.W., Legge S., Radford I.J., Johnson C., (2016) Occupancy of the invasive feral cat varies with habitat complexity, *Plos One*, 11(9), doi 10.1371/journal.pone.0152520
- 2016 **Hohnen R.**, Tuft K., Legge S., Hillyer M., Spencer P.B.S., Radford I.J., Johnson C.N., Burridge C.P., (2016). Rainfall and topography affect gene flow among populations of the declining northern quoll (*Dasyurus hallucatus*), *Conservation Genetics* 17(5), doi 10.1007/s10592-016-0856-z
- 2015 **Hohnen R.**, Tuft K., Legge S., Carver S., Radford I.J., Johnson C.N., (2015). Post-fire habitat use of the golden-backed tree-rat (*Mesembriomys macrurus*) in the north-west Kimberley, Western Australia, *Austral Ecology*, 40(8), doi 10.1111/aec.12278
- 2013 **Hohnen R.**, Ashby J., Tuft K., McGregor H.W., (2013) Individual identification of northern quolls (*Dasyurus hallucatus*) using remote cameras, *Australian Mammalogy*, 35(2), doi 10.1071/AM12015

Book chapters

- 2023 Legge S.M., Duncan D.H., Forsyth D.M., Giljohann K., Hogendoorn K, **Hohnen R.**, Hradsky B., Lintermans M. (2023), How introduced animals compound the effects of fire on native plants and animals, *Australia's Megafires: Biodiversity Impacts and Lessons from 2019-2020* (eds: Stephen van Leeuwen), CSIRO Publishing

- 2023 Burbidge, A.A., Webb, M.J. and **Hohnen, R.**, 2023. Scaly-tailed Possum: *Wyulda squamicaudata*. In Strahan's Mammals of Australia (pp. 278-280). New Holland Publishers (Australia).
- 2023 Dickman, C.R. and **Hohnen, R.**, 2023. Grey-bellied Dunnart: *Sminthopsis fuliginosa*. In Strahan's Mammals of Australia (pp. 132-134). New Holland Publishers (Australia).

Other publications and technical reports

- 2022 **Hohnen R.** (2022) [Golden-backed tree-rat: these rodents go nuts for nuts](#). Cosmos Magazine
- 2020 **Hohnen R.** (2020) [Fire-ravaged Kangaroo Island is teeming with feral cats. It's bad news for this little marsupial](#). The Conversation
- 2021 **Hohnen, R.**, Woinarski, J., Legge, S., Dickman, C. R., & Murphy, B. (2021). [Post-fire changes in feral cat density across burnt and unburnt landscapes, Kangaroo Island](#). Threatened Species Recovery Hub
- 2019 **Hohnen, R.**, Woinarski, J., Legge, S., Dickman, C. R., & Murphy, B. (2019). [Investigating feral cat control methods for western Kangaroo Island](#). Threatened Species Recovery Hub
- 2019 **Hohnen, R.**, Woinarski, J., Legge, S., Gates, J.A, Dickman, C. R., & Murphy, B. (2019). [The Kangaroo Island dunnart: distribution, status and effective monitoring methods](#). Threatened Species Recovery Hub
- 2019 **Hohnen, R.**, Veronique-L'Hoest A. (2019). The two of us, Vertical Life Magazine
- 2018 **Hohnen, R.**, (2018). [Detecting and protecting the Kangaroo Island dunnart](#), Science of Saving Species Magazine, Threatened Species Recovery Hub
- 2017 **Hohnen, R.**, (2017). No te olvidamos, Vertical Life Magazine
- 2017 **Hohnen, R.**, (2017). [In search of the KI dunnart, Island conservation after the feral cat](#), Science of Saving Species Magazine, Threatened Species Recovery Hub
- 2013 **Hohnen, R.**, (2013). [Unlocking the secrets of the Artesian Range](#), Wildlife Matters, Australian Wildlife Conservancy
- 2009 **Hohnen, R.**, Edwards, A., (2009). [Poster: Effects of reproductive condition on HPG-HPA axis interaction](#), Australian and New Zealand Society for Comparative Physiology and Biochemistry Conference, Melbourne, Australia

Professional Service

- 2020-2024 Kangaroo Island Dunnart Recovery Team, Department of Environment and Water, Kingscote, South Australia, Australia
- 2020-2022 Steering committee, Bruny Island Feral Cat Eradication Project, NRM South, Hobart, Tasmania, Australia
- 2020-2022 Steering committee, Moulting Lagoon Restoration Project, NRM South, Hobart, Tasmania, Australia
- 2019 Organising committee member, Threatened Species Recovery Hub, Kangaroo Island Dunnart Recovery Workshop, Ozone Function Centre, Kingscote, South Australia, Australia
- 2019 Organising committee member, University of Tasmania STEM State Future Forum and Graduate Research Day, Hobart Conference and Function Centre, Tasmania, Australia

Press coverage

- 2020 Brulliard K., Fears, D., (2020). [A billion animals have been caught in Australia's fires. Some may go extinct](#). The Washington Post
- 2020 Hirji, Z., (2020). [These animals are on the brink of extinction because of the Australian wildfires](#), BuzzFeed News
- 2020 Young, E. (2020), [The bleak future of Australian wildlife](#), The Atlantic
- 2015 Collins, B., (2015). [Australia's unique, golden-backed tree-rats and why we need to save them](#), ABC News

Volunteer work

- 2020-2023 Southern Coordinator, Crag Care Tasmania

I coordinated a volunteer group that aimed to manage the impacts of rock climbers in southern Tasmania, by working with local land managers to coordinate working bees (weed control, erosion management, revegetation) at rock climbing areas

- 2016 [Volunteer rat and mice eradication assistant, Department of Natural Resources and Environment, Tasmania](#)
I assisted with the set-up of thousands of bait stations across Big Green Island in the Furneaux Island Group for the eradication of rats and mice.
- 2016 [Volunteer vegetation regenerator, Tasmanian Land Conservancy, Tasmania](#)
I assisted in vegetation surveys and weed control on Tasmanian Land Conservancy properties across southern Tasmania.
- 2010 [English teacher and research assistant, Charles Darwin Research Station, Galapagos, Ecuador](#)
I worked as an English teacher for five months in a remote school (17 children) on the island of Floreana and for two months on a project examining goat (*Capra aegagrus hircus*) eradication impacts on the Galapagos hawk (*Buteo galapagoensis*).
- 2010-2019 [Volunteer weeder, Friends of Bass Strait islands, Tasmania](#)
I volunteered on weed eradication programs run on Tasmanian offshore islands. Most trips consisted of 3-4 weeks spent on an island in the Furneaux group, spent pulling out and burning weeds such as African boxthorn (*Lycium fercissimum*).
- 2010 [Volunteer bird handler, Julia Sommerfeld, PhD student, University of Tasmania, Tasmania](#)
I spent one month on Phillip Island in the western Pacific, helping a PhD student deploy GPS loggers on masked boobies (*Sula dactylatra tasmani*) in order to examine the relationship between foraging ecology and reproductive success.

Teaching

- 2009, 2014, 2015 University of Tasmania, School of Biological Sciences, 1st and 2nd year Zoology Laboratory demonstrator.

Conference Presentations

- 2021 **Hohnen R.**, James A.I., Jenning P., Murphy B.P., Berris K., Legge S.M., Dickman C.R., Woinarski J.C.Z., (2021) Changes in abundance and activity of feral cats following high severity fire on Kangaroo Island Australia, Ecological Society of Australia National Conference, Online
- 2019 **Hohnen R.**, Murphy B.M., Gates, J., Legge, S., Dickman, C.R., and Woinarski, J.Z., (2018) Recovery of the Kangaroo Island dunnart, Threatened Species Recovery Hub Islands Conference, Australian Federal Department of Environment and Heritage, Canberra
- 2018 **Hohnen R.**, Murphy B.M., Gates, J., Legge, S., Dickman, C.R., and Woinarski, J.Z., (2018) Detecting and protecting the Kangaroo Island Dunnart, Threatened Species Recovery Hub Roadshow, Adelaide
- 2017 **Hohnen R.**, Tuft K., Legge S., Carver S., Radford I.J., Johnson C.N. (2017) Rainfall and topography predict gene flow among populations of the declining northern quoll (*Dasyurus hallucatus*), International Mammalogical Congress, Perth
- 2015 **Hohnen R.**, Tuft K., Legge S., Carver S., Johanson L., Walters N., Radford I.J., and Johnson C.N., (2015) Post-fire habitat use of the scaly-tailed possum (*Wyulda squamicaudata*) in the north-west Kimberley, Western Australia, Australian Mammal Society Conference, Hobart
- 2014 **Hohnen R.**, Tuft K., Legge S., Carver S., Radford I.J., and Johnson C.N., (2014) Post-fire habitat use of the golden-backed tree-rat (*Mesembriomys macrurus*) in the north-west Kimberley, Western Australia, Ecological Society of Australia Conference, Alice Springs
- 2013 **Hohnen R.**, Ashby J., Tuft K., McGregor H.W. (2013) Individual identification of northern quolls (*Dasyurus hallucatus*) using remote cameras, Australian Mammal Society Conference, Port Augusta

Certificates

- 2023 Australian Climbing Instructors Association, Single Pitch Rock Climbing Guide
- 2020 Workplace First Aid, St John's Ambulance
- 2006 Full Australian Drivers License
- 2017 4WD Certificate 2019