

# SCIENCE COMMUNICATIONS

56, July 2024

Biodiversity and Conservation Science Mission: The provision of up-to-date and scientifically sound information to uphold effective evidence-based conservation of biodiversity and sustainable natural resource management in Western Australia

Science Communications lists titles of publications, reports etc prepared by staff of Biodiversity and Conservation Science. This issue is for the period January 2024-June 2024. If you require a copy of a submitted paper please contact the author. For nearly all other titles a PDF link is included. Any problems with access please contact [library@dbca.wa.gov.au](mailto:library@dbca.wa.gov.au)

Margaret Byrne  
Executive Director  
Biodiversity and Conservation Science

## Journal Publications

Ahrens CW, Murray K, Mazanec RA, Ferguson S, Jones A, Tissue DT et al. [Byrne M] (2024). Genomic determinants, architecture, and constraints in drought-related traits in *Corymbia calophylla*. *BMC Genomics* **25**: 640  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/082731/082731-25.001.pdf>

Anderson NS, Tudor EP, Turner SR, Tomlinson S, Lewandrowski W (2024). Geographic variation in reproductive traits and germination-niche dynamics in conservation-dependent *Banksia arborea* populations restricted to banded ironstone formations. *Flora* **316**: 152526  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081529/081529-316.001.pdf>

Aston C, Langlois T, Navarro M, Gibbons B, Spencer C, Goetze J (2024). Baited rather than unbaited stereo-video provides robust metrics to assess demersal fish assemblages across deeper coastal shelf marine parks. *Estuarine, Coastal and Shelf Science* **304**: 108823  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0811>

Barrett S, Yates CJ, Dillon R, Dilly M, Varcoe B, Martin D et al. [Gosper CR] (2024). Mitigation of disease and browsing impacts and translocation, supports post-fire threatened flora recovery. *Australian Journal of Botany* **72**: BT23081  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081594/081594-72.002.pdf>

Booth MW, Sinclair EA, Jung EMU, Austin R, Bayer PE, Krauss SL et al. (2024). Comparative gene co-expression networks show enrichment of brassinosteroid and vitamin B processes in a seagrass under simulated ocean warming and extreme climatic events. *Frontiers in Plant Science* **15**: 1309956  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0811>

Braun S, Ritche EG, Doherty TS, Nimmo DG (2024). The red fox (*Vulpes vulpes*) is the dominant predator of lizard models in a semi-arid landscape, and predation risk is reduced by vegetation cover. *Austral Ecology* **49**: e13530  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/080520/080520-49.003.pdf>

Brockman, G, French, C (2024). Two new species in *Pterostylis* (Orchidaceae) in Western Australia. *Nuytsia* **35** 25-29. <https://library.dbca.wa.gov.au/Journals/080057-35.003.pdf>

Brundrett MC, Ladd PG, Keighery GJ (2024). Pollination strategies are exceptionally complex in southwestern Australia: a globally significant ancient biodiversity hotspot. *Australian Journal of Botany* **72**: BT23007  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081594/081594-72.001.pdf>

Clarke A, Muir B, Lane J, Pinder A (2024). Data and site observations for wetlands surveyed in spring 2004 to improve representation of Western Australian arid zone regions in the *Directory of Important Wetlands of Australia*. 123 Department of Biodiversity, Conservation and Attractions, Kensington, W.A.

da Silva IA, Merritt DJ, Erickson TE, Mayfield MM, Dwyer JM (2024). Annual species' experimental germination responses to light and temperature do not correspond with their microhabitat associations in the field. *Journal of Vegetation Science* **35**: e13252  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0817>

Davis RA, Greenwell C, Davis BJ, Bateman PW (2024). Liked to death: the impacts of social media and photography on biodiversity. *Science of the Total Environment* **949**: 175106  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081283/081283-949.001.pdf>

de Visser RSJ, Hall M, Ottewell K, Pierson JC, Sanders A, Friend JA et al. (2024). Remnant kenngoor (*Phascogale calura*) retain genetic connectivity and genetic diversity in a highly fragmented landscape. *Conservation Genetics* **25** 789-803.  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0811>

Doherty TS, Bohórquez Fandiño DF, Watchorn DJ, Legge SM, Dickman CR (2024). Experimentally testing animal responses to prescribed fire size and severity. *Conservation Biology* **38**: e14231  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0802>

Doherty TS, Friend GR, Johnson B, Wayne AF (2024). Multi-year responses of reptiles to prescribed burning in a eucalypt forest ecosystem. *Austral Ecology* **49**: e13572  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/080520/080520-49.001.pdf>

Doherty TS, Macdonald KJ, Nimmo DG, Santos JL, Geary WL (2024). Shifting fire regimes cause continent-wide transformation of threatened species habitat. *Proceedings of the National Academy of Sciences* **121**: e2316417121  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081317/081317-121.001.pdf>

Dorph A, Ballard G, Legge S, Algar D, Basnett G, Buckmaster T et al. (2024). Current and emerging feral cat management practices in Australia. *Wildlife Research* **51**: WR23107  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/080279/080279-51.008.pdf>

Elliott C, Tomlinson S, Lewandrowski W, Miller B (2024). Species distribution and habitat attributes guide translocation planning of a threatened plant. *DBCA Science Information Sheet 2*  
<https://library.dbca.wa.gov.au/Journals/080525/080525->

- Emery J-P, Doherty TS, Bruton MJ, Peck S, Maron M (2024). Unburnt areas in subtropical woodlands contain distinct reptile communities after extensive wildfire. *Austral Ecology* **49**: e13359  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0805>
- Fuentes MMPB, Santos AJB, Abreu-Grobois A, Brisefio-Duefias R, Al-Khayat J, Hamza S et al. [Gammon M, Fossette S] (2024). Adaptation of sea turtles to climate warming: will phenological responses be sufficient to counteract changes in reproductive output?. *Global Change Biology* **30**: e16991  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081543/081543-30.001.pdf>
- Gammon M, Bentley B, Fossette S, Mitchell N (2024). Reconstructed and projected beach temperatures reveal where flatback turtles are most at risk from climate change. *Global Ecology and Conservation* **51**: e02866  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081158/081158-51.001.pdf>
- Garnett ST, Burbidge AH, Pruett-Jones S (2024). Trends and lessons from thirty years of Australian threatened bird action plans. *Emu : Austral Ornithology* **124** 1-7.  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/080385/080385-124.001.pdf>
- Goetze JS, Heithaus MR, MacNeil MA, Harvey E, Simpfendorfer CA, Heupel MR, et al. [Wilson S] (2024). Directed conservation of the world's reef sharks and rays. *Nature Ecology & Evolution* **8** 1118-1128.  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081185/081185-08.001.pdf>
- Gosper CR, Yates CJ, Wiehl G, O'Donnell A, Prober SM (2024). Multi-century times-since-fire and prior fire interval determine biomass carbon stocks in obligate-seeder eucalypt woodlands. *International Journal of Wildland Fire* **33**: WF23159  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081714/081714-33.005.pdf>
- Grootemaat S, Matthews S, Kenny BJ, Runcie JW, Hollis JJ, Sauvage S et al. (2024). Live trial performance of the Australian Fire Danger Rating System research prototype. *International Journal of Wildland Fire* **33**: WF23143  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081714/081714-33.002.pdf>
- Harrison ND, Phillips BL, Wayne AF, Mitchell NJ (2024). Sustained predation pressure may prevent the loss of anti-predator traits from havened populations. *Ecology and Evolution* **14**: e11668  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081125/081125-14.001.pdf>
- Helmholz P, Bassett T, Boyle L, Browne N, Parnum I, Moustaka M et al. [Evans R] (2024). Evaluating linear coral growth estimation using photogrammetry and alternative point cloud comparison methods. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences* **48 Co-author Richard Evans** 121-128.  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/082725/082725-48.001.pdf>
- Hislop M (2024). Three new species of *Styphelia* (Ericaceae: Epacridoideae: Styphelieae) from the central south coast of Western Australia. *Nuytsia* **35** 13-23.  
<https://library.dbca.wa.gov.au/Journals/080057-35.002.pdf>
- Hobday AJ, van Putten EI, Cvitanovic C, Dunlop M, Fossette S, Ison S et al. [Tucker AD, Whiting SD] (2024). Flatback futures: evaluating conservation interventions to reduce threats to an endemic Australian turtle. *Endangered Species Research* **54** 29-40.  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081400/081400-54.001.pdf>
- Hollis JJ, Matthews S, Anderson WR, Cruz MG, Fox-Hughes P, Grootemaat S et al. (2024). A framework for defining fire danger to support fire management operations in Australia. *International Journal of Wildland Fire* **33**: WF23141  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081714/081714-33.002.pdf>
- Hollis JJ, Matthews S, Fox-Hughes P, Grootemaata S, Heemstra S, Kenny BJ et al. (2024). Introduction to the Australian Fire Danger Rating System. *International Journal of Wildland Fire* **33**: WF23140  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081714/081714-33.002.pdf>
- Hopkins AJM, Smith GT, Saunders DA (2024). Introduction to the special issue of The natural history of Two Peoples Bay Nature Reserve, Western Australia. *Pacific Conservation Biology* **30**: PC24023  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/080272/080272-30.006.pdf>
- Hopkins AJM, Williams AAE, Harvey JM, Hopper SD (2024). A new vegetation classification for Western Australia's Two Peoples Bay Nature Reserve and its significance for fire management. *Pacific Conservation Biology* **30**: PC24036  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/080272/080272-30.006.pdf>
- Hopper SD, Harvey JM, Hopkins AJM, Moore LA, Smith GT (2024). Plant diversity on the edge: floristics, phylogeography, fire responses and plant conservation of Two Peoples Bay Nature Reserve in the context of OCBIL theory. *Pacific Conservation Biology* **30**: PC24024  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/080272/080272-30.006.pdf>
- Hühn P, McDonald J, Shepherd KA, Kadereit G (2024). Diversification of Camphorosmeae (Amaranthaceae s.l.) during the Miocene-Pliocene aridification of inland Australia. *Perspectives in Plant Ecology, Evolution and Systematics* **64**: 125811  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081400/081400-64.001.pdf>
- Huisman JM, Verbruggen H, Hossen R, Rybalka N, Entwisle TJ (2024). Morphological and molecular analyses of *Vaucheria* section *Piloboloideae* (Xanthophyceae: Vaucheriaceae) indicate alternative species identities for broadly distributed taxa. *Phycologia* **63** 170-178.  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081288/081288-63.001.pdf>
- Keighery G, Keighery B (2024). Eastern Australian *Kunzea* (Myrtaceae) species: potentially serious environmental weeds in Western Australia?. *Western Australian Naturalist* **33** 276-280.  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/080272/080272-33.012.pdf>
- Keighery G, Parker C (2024). Systematic methods for additions and exclusions from the naturalised flora of Western Australia. *Western Australian Naturalist* **33** 227-240.  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/080272/080272-33.012.pdf>
- Kenny BJ, Matthews S, Sauvage S, Grootemaata S, Hollis JJ, Fox-Hughes P (2024). Australian Fire Danger Rating System: implementing fire behaviour calculations to forecast fire danger in a research prototype. *International Journal of Wildland Fire* **33**: WF23142  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081714/081714-33.002.pdf>
- King J, Whiting SD, Adams PJ, Bateman PW, Fleming PA (2024). Camera traps show foxes are the major predator of flatback turtle nests at the most important mainland western Australian rookery. *Wildlife Research* **51** 1-13.  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/080279/080279-51.006.pdf>

- Lawrie AD, Chaplin J, Rahman M, Islam MA, Pinder A (2024). Experimental and field evidence suggests extreme salinity tolerances in *Coxiella* gastropods from Australian salt lakes. *Hydrobiologia* **851** 205-221. <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0816>
- LeSouëf AT, Bruce M, Barbosa A, Shephard JM, Mawson PR, Dawson R et al. (2024). Health parameters for wild Carnaby's cockatoo (*Zanda latirostris*) nestlings in Western Australia: results of a long-term study. *Conservation Physiology* **12**: coae005 <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0811>
- Lohr CA, Nilsson K, Johnson A, Pittway B, Hamilton N, Onus M et al. [Algar D] (2024). Lures change the detectability of feral cats on the arid landscape. *Biological Invasions* **26** 817-828. <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0806>
- Menon V, McGregor H, Giljohann K, Wintle W, Pascoe J, Robley A et al. [Friend T] (2024). Ecological factors influencing invasive predator survival and movement: insights from a continental-scale study of feral cats in Australia. *Biological Invasions* **26** 2809-2810. <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0806>
- Miller BP, Fontaine JB, Tangney R, McCaw L, Cruz MG, Hollis JJ (2024). Comment on Self-thinning forest understoreys reduce wildfire risk, even in a warming climate. *Environmental Research Letters* **19**: 068001 <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0813>
- Miller RG, Enright NJ, Fontaine JB, Merritt DJ, Miller BP (2024). Plant life-history data as evidence of an historical mixed-severity fire regime in Banksia woodlands. *Australian Journal of Botany* **72**: BT23098 <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0815>
- Moore HA, Yawuru Country Managers, Bardi Jawi Oorany Rangers, Nyul Nyul Rangers, Nykira Mangala Rangers, Gibson LA et al. [Dziminski MA, Radford IJ, Carpenter FM] (2024). Where there's smoke, there's cats: long-unburnt habitat is crucial to mitigating the impacts of cats on the ngarlumirdi, greater bilby (*Macrotis lagotis*). *Wildlife Research* **51** 1-13. <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0802>
- Nordstrom B, Budd A, Mitchell N, Cornish C, Byrne M, Kuchling G et al. (2024). Environmental DNA reflects spatial distribution of a rare turtle in a lentic wetland assisted colonization site. *Environmental DNA* **6**: e507 <https://library.dbca.wa.gov.au/secure/StaffOnly/082246/08224>
- Northover AS, Dziminski MA, Carpenter FM, Moore HA, Ottewell K, Palmer R et al. [Gibson LA] (2024). Informing conservation management of the bilby (*Macrotis lagotis*) in the Pilbara: a review of research and future directions. *Australian Mammalogy* **46**: AM24002 <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0802>
- Obbens, F (2024). *Calandrinia* sp. Edel Land (F. Obbens FO 01/17) is a synonym of *C. sphaerophylla* (Montiaceae). *Nuytsia* **35** 49-53. <https://library.dbca.wa.gov.au/Journals/080057-35.005.pdf>
- Olde P, M Binks RM, Wardrop C (2024). *Grevillea kulikup* (Proteaceae: Grevilleoideae: Hakeinae) a rare new species from south-west Western Australia. *Telopea* **27** 53-57.
- Palmer B, Cowen S, Bourne A (2024). Not so fussy after all: Shark Bay mouse (*Pseudomys gouldii*) recorded using a range of habitat types on Faure Island. *Australian Mammalogy* **46**: AM23038 <https://library.dbca.wa.gov.au/secure/StaffOnly/080282/08028>
- Palmer R, Read E (2024). Glauert's (1950) olive python (*Liasis olivaceus*) record for the Murchison: evidence for the mislabeling of a Kimberley *L. o. olivaceus* specimen originating from Mt. Anderson in 1927. *Western Australian Naturalists* **33** 298-300. <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0802>
- Parker CM, Percy-Bower JM (2024). Updates to Western Australia's vascular plant census for 2023. *Nuytsia* **35** 1-11. <https://library.dbca.wa.gov.au/Journals/080057-35.001.pdf>
- Peddle SD, Cando-Dumancela C, Krauss SL, Liddicoat C, Sanders A, Breed MF (2024). Agricultural land-use legacies affect soil bacterial communities following restoration in a global biodiversity hotspot. *Biological Conservation* **290**: 110437 <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0804>
- Peel LR, Whiting SD, Pendoley K, Whittock PA, Ferreira LC, Thums M, et al. [Tucker AD, Fossette S] (2024). I still call Australia home: satellite telemetry informs the protection of flatback turtles in Western Australian waters. *Ecosphere* **15**: e4847 <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0811>
- Rajapakshe RPVGSW, Tomlinson S, Tudor EP, Turner SR, Elliott CP, Lewandrowski W (2024). Same, same, but different: range-restricted endemics emerge despite microclimatic similarities. *Conservation Physiology* **12**: coae009 <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081132/081132-12.002.pdf>
- Richards SA, Cvitanovic C, Dunlop M, Fossette S, Thomas L, Tucker AD et al [Whiting SD] (2024). Identifying impactful sea turtle conservation strategies: a mismatch between most influential and most readily manageable life-stages. *Endangered Species Research* **54** 15-27. <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081478/081478-54.001.pdf>
- Rodger YS, Dillon R, Monro K, Pavlova A, Coates DJ, Byrne M et al. (2024). Benefits of outcrossing and their implications for genetic management of an endangered species with mixed-mating system. *Restoration Ecology* **32**: e14057 <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/080497/080497-32.001.pdf>
- Rycken S, Warren KS, Yeap L, Jackson B, Mawson PR, Dawson R et al. (2024). Movement of Carnaby's cockatoo (*Zanda latirostris*) across different agricultural regions in Western Australia. *Pacific Conservation Biology* **30**: PC23015 <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/080272/080272-30.007.pdf>
- Sauvage S, Fox-Hughes P, Matthews S, Kenny BJ, Hollis JJ, Grootemaat S et al. (2024). Australian Fire Danger Rating System research prototype: a climatology. *International Journal of Wildland Fire* **33**: WF23144 <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0817>
- Schiebelhut LM, Guillaume AS, Kuhn A, Schweizer RM, Armstrong EE, Beaumont MA et al. [Byrne M] (2024). Genomics and conservation: guidance from training to analyses and applications. *Molecular Ecology Resources* **24**: e13893 <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0819>
- Start AN, McKenzie NL (2024). Bats detected at Roleystone, Western Australia. *Records of the Western Australian Museum* **39** 13-14. <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0802>

- Tebbett SB, Bellwood DR, Bassett T, Cuttler MVW, Moustaka M, Wilson SK et al. [Evans RD] (2024). The limited role of herbivorous fishes and turf-based trophic pathways in the functioning of turbid coral reefs. *Reviews in Fish Biology and Fisheries* **34** 439-460.  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0820>
- Thavornkanlapachai R, Armstrong KN, Knuckey C, Huntley B, Hanrahan N, Ottewell K (2024). Species-specific SNP arrays for non-invasive genetic monitoring of a vulnerable bat. *Scientific Reports* **14**: 1847  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0812>
- Thavornkanlapachai R, Ottewell K, McArthur S (2024). Spatial and temporal analysis of ghost bat populations in the Pilbara using non-invasive sampling methodologies: towards a robust genetic monitoring protocol. Phase 1, refining our genetic methodology. 42 Department of Biodiversity, Conservation and Attractions, Kensington, W.A.  
<https://library.dbca.wa.gov.au/FullTextFiles/209717.pdf>
- Tudor EP, Lewandrowski W, Krauss S, Veneklaas EJ (2024). Local adaptation to climate inferred from intraspecific variation in plant functional traits along a latitudinal gradient. *Conservation Physiology* **12**: coae018  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0811>
- von Takach B, Cameron SF, Cremona T, Eldridge MDB, Fisher DO, Hohnen R et al. [Radford IJ, Umbrello LS] (2024). Conservation prioritisation of genomic diversity to inform management of a declining mammal species. *Biological Conservation* **291**: 110467  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0804>
- Wang J, Macfarlane TD (2024). A taxonomic revision of the genus *Lomandra* Labill. (Asparagaceae: Lomandroideae) in New Guinea and lectotypification of the name *Xerotes banksii* R.Br.. *Blumea* **69** 89-92.  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0819>
- Watchorn DJ, Dickman CR, Greenville A, Wilson BA, Garkaklis MJ, Driscoll DA et al. [Doherty TS] (2024). Artificial refuges provide post-fire habitat for small vertebrates. *Biological Conservation* **291**: 110501  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0804>
- Watchorn DJ, Doherty TS, Wilson BA, Garkaklis MJ, Driscoll DA (2024). Artificial refuges did not increase small mammal abundance after fire. *Conservation Science and Practice* **6**: e13165  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0814>
- Watchorn DJ, Doherty TS, Wilson BA, Garkaklis MJ, Driscoll DA (2024). How do invasive predators and their native prey respond to prescribed fire?. *Ecology and Evolution* **14**: e11450  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081141/081141-14.002.pdf>
- Wege JA, Rye BL (2024). Typifications in *Malleostemon*, *Micromyrtus*, *Scholtzia* and *Thryptomene* (Myrtaceae) and a hybrid designation. *Nuytsia* **35** 77-81.  
<https://library.dbca.wa.gov.au/Journals/080057-35.007.pdf>
- Wilkins CF, Copeland LM, Shepherd KA (2024). *Lasiopetalum prodigiosum* (Malvaceae: Lasiopetaleae), a new species from central-eastern New South Wales to south-eastern Queensland. *Telopea* **27** 41-46.  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0821>
- Wilson SK, Depczynski M, Fulton CJ, Holmes TH, Goetze JS, Birt MJ et al. [Evans RD, Moustaka M] (2024). Can juvenile supply predict future abundance of large-bodied reef fishes?. *Marine Environmental Research* **199**: 106607  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081561/081561-199.001.pdf>
- Womersley FC, Rohner CA, Abrantes K, Afonso P, Arunrugstichai S, Bach SS et al. [Raudino H, Tyne JA, Waples K] (2024). Identifying priority sites for whale shark ship collision management globally. *Science of the Total Environment* **934**: 172776  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0812>
- Woolley L-A, Radford IJ, Woinarski JCZ, Cremona T, Lawes MJ, Murphy BP (2024). Nestbox use indicates declining arboreal mammals in an Australian savanna may be limited by tree hollow availability. *Forest Ecology and Management* **561** 1-16.  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0820>
- Wyatt R, Stoneburner A, Hopper SD (2024). Bryophytes of Two Peoples Bay Nature Reserve, Western Australia. *Pacific Conservation Biology* **30**: PC24020  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0802>
- Zuntini AR, Carruthers T, Maurin O, Bailey PC, Leempoel K, Brewer GE et al. [Byrne M, Coffey SC, James SA, Macfarlane TD, Shepherd KA] (2024). Phylogenomics and the rise of the angiosperms. *Nature* **629** 843-850.  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0806>
- Zweifler A, Evans RD, Browne N, Thomas L (2024). Symbiont community dynamics in the turbid reef specialist, *Turbinaria reniformis*, along a latitudinal and environmental gradient in Western Australia. *Coral Reefs* **43** 1161-1171.  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/080974/080974-43.001.pdf>

## Books/Chapters

Brown A (2024). The complete orchids of Western Australia: a comprehensive reference to the native orchids of Western Australia. Volume 1, *Anzybas* to *Ericksonella*; Volume 2, *Eriochilus* to *Thelymitra*, southwest hybrids and Kimberley species. 2 v. A. Brown, Perth

## Conference/Workshop Papers/Posters

Hollis J, Cruz M, Samson S, McCaw L, Gould J (2024). An efficient and comprehensive field protocol for assessing fuel characteristics for fire behaviour modelling in eucalypt forests. Poster presented at 7th International Fire Behavior and Fuels Conference, 15-19 April, 2024, Canberra. Department of Biodiversity, Conservation and Attractions, Manjimup, W.A. 1 p.  
<https://library.dbca.wa.gov.au/FullTextFiles/211495.001.a.pdf>

Hounslow J, Fossette S, Van Rooijen A, Tucker A, Whiting S, Gleiss A (2024). Incorporating behaviour into habitat suitability modelling: a case study for sea turtles. Poster presented at International Biologging Society Conference in Tokyo, 4-8 March 2024. 1 p. Murdoch University, Murdoch, W.A.  
<https://library.dbca.wa.gov.au/secure/StaffOnly/206380.001.pdf>

Whitlock PA, Tucker AD, Belskis L (comps) (2024). Proceedings of the fortieth annual Symposium on Sea Turtle Biology and Conservation, 25 to 28 March, 2022, Perth, Australia (virtual). 219 p. Conference Organising Committee, Perth  
<https://library.dbca.wa.gov.au/FullTextFiles/210848/210848.pdf>

## Abstract

Bassett TJ, Browne NK, Moustaka M, Cuttler MVW, Grimaldi C, Wilson SK et al. [Evans RD] (2024). Bleaching susceptibility and resilience of the Dampier Archipelago's coral reefs: insights from two consecutive years of extreme temperatures. In *Australian Coral Reef Society Conference*,

2024 pp. 8.

<https://library.dbca.wa.gov.au/secure/StaffOnly/211503/21150>

Bensadon S, Grimaldi CM, Cuttler MVW, Trembl EA, Ross CL, Lowe RJ (2024). Hydrodynamic and biological drivers of coral connectivity within Coral Bay, Ningaloo Reef, northwestern Australia. In *Australian Coral Reef Society Conference, 2024* pp. 10.

<https://library.dbca.wa.gov.au/secure/StaffOnly/211503/21150>

Gojanovic A, Hemmi J, Brooker R, Kelley J, Holmes T (2024). Effects of varied diets on body condition and post-release survival of juvenile reef fish. In *Australian Coral Reef Society Conference, 2024* pp. 40.

<https://library.dbca.wa.gov.au/secure/StaffOnly/211503/21150>

Hanf D, Abbott J, Webb-Martin S, Flugge R, Gee J (2024). From little things big things grow: localised small-drone nesting beach surveys can support a regional dataset. In *Proceedings of the Fortieth Annual Symposium On Sea Turtle Biology and Conservation, 25 to 28 March, 2022, Perth* pp. 25.

<https://library.dbca.wa.gov.au/FullTextFiles/210848/210848.003.a.pdf>

Hollis J, Cruz M, Samson S, McCaw L, Gould J (2024). An efficient and comprehensive field protocol for assessing fuel characteristics for fire behaviour modelling in eucalypt forests. Abstract presented at 7th International Fire Behavior and Fuels Conference, 15-19 April, 2024, Canberra. pp. 1.

<https://library.dbca.wa.gov.au/FullTextFiles/211495.001.pdf>

Holmes T (2024). Tall tales from the west: the prioritisation of management needs across Western Australia's marine park network. In *Australian Coral Reef Society Conference, 2024* pp. 50.

<https://library.dbca.wa.gov.au/secure/StaffOnly/211503/21150>

Prada D, Thavornkanlapachai R, Millar M, Kym Ottewell K (2024). Monitoring of the Pilbara ghost bat from scat DNA. In *21st Australasian Bat Society Conference & AGM : University of Adelaide, 17th-19th April 2024 : Program, Abstracts & Contact Details of Attendees* pp. 43.

<https://library.dbca.wa.gov.au/secure/StaffOnly/211199.001.pdf>

Ross CL, Cuttler MVW, Holmes T, Lowe R (2024). Drivers and impacts of acute deoxygenation events in Coral Bay, Ningaloo Reef, Western Australia. In *Australian Coral Reef Society Conference, 2024* pp. 86.

<https://library.dbca.wa.gov.au/secure/StaffOnly/211503/21150>

Shaw R, Peakall R, Tuft K, James A, Legge S, Cary G et al. [Ottewell K, Radford I, Kinloch J] (2024). Title: The genetic signature of fire in a declining small mammal. In *Australian Mammal Society Conference, 1-4 July 2024, Melbourne* pp. 23.

<https://library.dbca.wa.gov.au/secure/StaffOnly/211395.002.pdf>

Strydom S, Wilson S, Murray K, Moustaka M, Hyndes G (2024). Implications of fragmented seagrass meadows for fish communities in a World Heritage Area. Abstract presented at 2024 World Seagrass Conference & 15th International Seagrass Biology Workshop, Napoli, Italy, June 17-21. pp. 1.

<https://library.dbca.wa.gov.au/FullTextFiles/211459.001.pdf>

Tebbett S, Bellwood DR, Bassett T, Cuttler MVW, Moustaka M, Wilson SK et al. [Evans RD] (2024). The limited role of herbivorous fishes and turf-based trophic pathways in the functioning of turbid coral reefs. In *Australian Coral Reef Society Conference, 2024* pp. 100.

<https://library.dbca.wa.gov.au/secure/StaffOnly/211503/21150>

Anderson B, Binks R (2024). *Rhagodia* sp. Hamersley (M. Trudgen 17794) genetic study. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 7 p.

<https://library.dbca.wa.gov.au/secure/StaffOnly/209005.pdf>

Bornot K, Rule J, Novak P (2024). Preliminary assessment of plastic infrastructure in the Swan Canning Riverpark. 99 p.

<https://library.dbca.wa.gov.au/FullTextFiles/210686.pdf>

Cale DJ (2024). Aquatic invertebrate fauna survey of Deefor Road Claypan, October 2021. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 27 p.

<https://library.dbca.wa.gov.au/FullTextFiles/210345.pdf>

Crawford A, Chant A (2024). Prospecting for seed: using soil seed banks to identify potential new locations of threatened plant species (SP 1999/010). Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 8 p.

<https://library.dbca.wa.gov.au/secure/StaffOnly/211027.pdf>

Crawford A, Chant A, Human C (2024). Australian Seed Bank Partnership Seeds of Hope project report: *Conostylis micrantha* population surveys and seed collection: surveys 31st July to 3rd August 2023. seed collection 11th to 13th October 2023. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 17 p.

<https://library.dbca.wa.gov.au/secure/Confidential/211026.pdf>

Dillon S (2024). A comparison of the morphology of *Minuria tridens* (D.A.Cooke) Lander between populations in Western Australia and the Northern Territory. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 4 p.

<https://library.dbca.wa.gov.au/secure/StaffOnly/208933.pdf>

Doherty T, Wayne A (2024). Tools to support decision makers in ecosystem management: workshop report, 19th February 2024. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 54 p.

<https://library.dbca.wa.gov.au/FullTextFiles/136249.pdf>

Harrison N, Moore H, Gibson L (2024). Warralong feral cat monitoring, 2023. Department of Biodiversity, Conservation and Attractions, Woodvale, W.A. 23 p.

<https://library.dbca.wa.gov.au/FullTextFiles/210403.pdf>

Harrison N, Moore H, Ottewell K, Millar, M Fandino D, Gibson L (2024). Bilby abundance monitoring at Warralong, Western Australia, 2023. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 17 p.

<https://library.dbca.wa.gov.au/FullTextFiles/210396.pdf>

Keighery G, Keighery B, Lee P (2024). Vascular plants of the Baigup Wetlands, City of Bayswater: report for the City of Bayswater, March 2024. 8 p. Wildflower Society of W.A., Floreat, W.A.

<https://library.dbca.wa.gov.au/secure/StaffOnly/211520.pdf>

Lewandowski W, Tudor E, Stevens J (2024). High resolution species distribution modelling and ecophysiological insights into *Tetradlea butcheriana*: annual report 1, April 2023-April 2024. Department of Biodiversity, Conservation and Attractions, West Perth 37 p.

<https://library.dbca.wa.gov.au/secure/StaffOnly/210681.pdf>

Markey A, Lyons M, Barrett A, Godfrey N, Spiridis A (2024). Identification and floristic survey of putative rainforest patches in the Wunaamin Conservation Park. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 44 p.

Molloy S, Gosper C, Pinder A (2024). Case study: the FORESTCHECK project: the response of vascular flora to silviculture in jarrah (*Eucalyptus marginata*) forest. 4 p. Department of Biodiversity, Conservation and Attractions, Kensington, W.A.

<https://library.dbca.wa.gov.au/FullTextFiles/209255.pdf>

## Reports/Chapters

- Pinder AM, Venarsky MP, Cale DJ, Barrett A (2024). Waterbird and invertebrate communities at Toolibin and Walbyring lakes during the 2021 fill event. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 64 p. <https://library.dbca.wa.gov.au/FullTextFiles/210258.pdf>
- Sims C, Garretson S, Cowen S, Friend T, Rayner K, Ottewell K, Gibson Vega A, Burbidge A, Gibson L (2024). Monitoring source populations of fauna for the Dirk Hartog Island National Park Ecological Restoration Project, 2023. Department of Biodiversity, Conservation and Attractions, Woodvale, W.A. 55 p. <https://library.dbca.wa.gov.au/FullTextFiles/210803.pdf>
- Sorrell K, Smith D, Greatwich B, Palmer R, Jackett N, Wildforster J et al. (2024). Browse Island 2023 Expeditions, 7th–12th September & 28th October–2nd November: final report, February 2024. Monash University, School of Biological Sciences, Clayton, Vic. 51 p. <https://library.dbca.wa.gov.au/secure/StaffOnly/209283.pdf>
- Taljaard E (2024). Abundance and biology of the southern eagle ray *Myliobatis tenuicaudatus* in the Swan-Canning estuary. 88 p. E. Taljaard, Murdoch, W.A. <https://library.dbca.wa.gov.au/FullTextFiles/211008.pdf>
- Popular (Landscape, Newsletters, Letters, etc.)**
- Chan PW (2024). Visiting scholars dig deep into diversification of WA's Darwinia. *For People & Plants* **125** 26-33. <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081999/081999-125.002.pdf>
- Crawford A, Shepherd K, Anderson B (2024). Glorious *Geleznovia*: a tangled tale of taxonomy. *Landscape* **39(4)** 42-47. <https://library.dbca.wa.gov.au/Journals/080052/080052-39.036.pdf>
- Elliott C, Krauss S (2024). Lord of the flies: pollination of *Aluta quadrata*. *For People & Plants* **125** 22-25. <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081999/081999-125.001.pdf>
- Ferguson A, Berryman A, Bradfield K, Comer S, Burbidge A (2024). Unravelling the mysteries of kyloring, the western ground parrot. *Western Australian Bird Notes* **189** p. 4-7. <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/080290/080290-189.001.pdf>
- Fowler W, Ruthrof K (2024). The 2024 vegetation die-off in the southwest. *Bushland News* **130** p. 3-5.
- Gibson L, Comer S, Cowen S, Lacey P, Moir C, Utber D (2024). Pursuit of the elusive heath mouse. *Landscape* **39(4)** 22-26. <https://library.dbca.wa.gov.au/Journals/080052/080052-39.030.pdf>
- Hawkins L, Gill A (2024). Forest orchestra: capturing the sounds of WA's south-west forests. *Landscape* **39(4)** 12-17. <https://library.dbca.wa.gov.au/Journals/080052/080052-39.030.pdf>
- Huisman J, Binks R (2024). Red seaweed (*Hypnea* sp.). *Landscape* **39(4)** 41. <https://library.dbca.wa.gov.au/Journals/080052/080052-39.023.pdf>
- Huisman JM (2024). Plant of the month, March 2024: *Rhipilia psammophila* Huisman & Verbruggen. 2 Department of Biodiversity, Conservation and Attractions, Kensington, W.A. <https://library.dbca.wa.gov.au/Journals/081093/081093-2024.03.pdf>
- Jenkin A (2024). Pollinator shift in Kings Park jarrah. *For People & Plants* **126** 24-26. <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081999/081999-126.003.pdf>
- Knight K (2024). Plant of the month, May 2024: *Hemitrichia serpila* (Scop.) Lister. 2 Department of Biodiversity, Conservation and Attractions, Kensington, W.A. <https://library.dbca.wa.gov.au/Journals/081093/081093-2024.01.pdf>
- Krauss S (2024). Kings Park scholars seize on science through a sizzling summer. *For People & Plants* **126** 20-23. <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081999/081999-126.003.pdf>
- McDougall S, Dalziell E, Merritt D (2024). *Ex-situ* strategy to conserve threatened WA flora. *For People & Plants* **126** 10-11. <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081999/081999-126.003.pdf>
- Mills H, Mantellato L, Lambert C (2024). Clear the tanks: dibbler breeding program a resounding success. *Landscape* **39(3)** 42-48. <https://library.dbca.wa.gov.au/Journals/080052/080052-39.025.pdf>
- Monks L, Webb A (2024). Penny-leaved honeysuckle (*Lambertia orbifolia* subsp. *pecuniosa*). *Landscape* **39(3)** 35. <https://library.dbca.wa.gov.au/Journals/080052/080052-39.025.pdf>
- Ottewell K, Prada D, Umbrello L, Sun R (2024). Interview with a (false) vampire: insights into the ecology of Australia's only carnivorous bat. *Landscape* **39(4)** 34-38. <https://library.dbca.wa.gov.au/Journals/080052/080052-39.025.pdf>
- Paczkowska G, Keighery G (2024). Back from extinction. *Bushland News* **129** 7. <https://library.dbca.wa.gov.au/Journals/080662/080662-129.007.pdf>
- Parker CM (2024). Plant of the month, April 2024: *Tribulus suberosus* R.M.Barker. 2 Department of Biodiversity, Conservation and Attractions, Kensington, W.A. <https://library.dbca.wa.gov.au/Journals/081093/081093-2024.01.pdf>
- Parker CM (2024). Plant of the month, February 2024: *Gomphrena flaccida* R.Br.. 2 Department of Biodiversity, Conservation and Attractions, Kensington, W.A. <https://library.dbca.wa.gov.au/Journals/081093/081093-2024.01.pdf>
- Parker CM (2024). Plant of the month, June 2024: *Grevillea miniata* W.Fitzg.. 2 Department of Biodiversity, Conservation and Attractions, Kensington, W.A. <https://library.dbca.wa.gov.au/Journals/081093/081093-2024.01.pdf>
- Parker CM, Davis RW (2024). Plant of the month, January 2024: *Echinopogon ovatus* (G.Forst.) P.Beauv.. 3 Department of Biodiversity, Conservation and Attractions, Kensington, W.A. <https://library.dbca.wa.gov.au/Journals/081093/081093-2024.01.pdf>
- Ross C, Leal I (2024). Shining a light on the shoals. *Landscape* **39(4)** 26-33. <https://library.dbca.wa.gov.au/Journals/080052/080052-39.026.pdf>
- Shepherd KA (2024). An intriguing intro to forensic botany: book review. In *Australasian Systematic Botany Society Newsletter* **199** p. 21-23. <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081300/081300-199.001.pdf>
- Sinclair E, Stout E, Cambridge M (2024). The secret underwater world of seagrass sex. *For People & Plants* **126** 16-19. <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081999/081999-126.003.pdf>
- Trayler K, Taljaard E, Maus C, Cottingham A, Johnston D, Tweedley J (2024). Ray of white. *Landscape* **39(3)** 25-27. <https://library.dbca.wa.gov.au/Journals/080052/080052-39.023.pdf>
- Wills A (2024). Listening to the seasons. *Landscape* **39(3)** 36-41. <https://library.dbca.wa.gov.au/Journals/080052/080052-39.026.pdf>

## Submitted

- Anderson BM, Binks RM, Butcher R, Byrne M, Crawford AD, Macfarlane TD et al. [Rye BL, Shepherd KA] (). Title: Using genomic tools to explore diversity in Southwest Australian plants of conservation concern. In *XX International Botanical Congress, Madrid, Spain, 21–27 July 2024*
- Arrowsmith L, Baker J, Trayler K (). Title: Habitat enhancement approaches in the Swan-Canning Estuary using Living SeaWalls technologies. In *AMSA Conference (15-20th September 2024)*
- Arthan W, Baker WJ, Barrett MD, Barrett RL, Bennetzen J, Besnard G et al. [Macfarlane TD] (). Title: Nuclear phylogenomics of grasses (Poaceae) supports classification and reveals repeated reticulation. *New Phytologist*
- Barrett MD, Cowie ID, Barrett RL, Anderson BM, Thiele KR, Krauss SL, Grierson PF (). Title: Many needles in the haystack: forty new species and a systematic sub-generic classification of *Triodia* hummock grasses (Poaceae: Chloridoideae). *Australian Systematic Botany*
- Barrett RL, Clugston JAR, Orthia LAE, Cook LG, Crisp MD, Lepschi BJ et al. [Macfarlane, TD, Wilkins CF] (). Title: East rarely meets West: a revised delimitation for *Pultenaea* (Fabaceae: Mirbelieae) with reinstatement of *Euchilus* and three new genera from south-west Western Australia. *Australian Systematic Botany*
- Battison R, Prober SM, Zdunic K, Jackson TD, Fischer FJ, Jucker T (). Title: Tracking tree demography and forest dynamics at scale using remote sensing. *New Phytologist*
- Bizzozzero MR, Allen SJ, Altermatt F, Connor R, Damm A, King S et al. [Murray K] (). Title: Combining remotely sensed data with environmental DNA to elucidate the behavioural ecology of Indo-Pacific bottlenose dolphins (*Tursiops aduncus*). In *Marine Mammal Conference, Perth, 11-15 November 2024*
- Bornt KR, Rule J, Novak PA (). Title: An undocumented source of plastic contamination in sensitive estuarine environments. *Marine Pollution Bulletin*
- Botter ZLR, [Fossette S, Tucker A] (). Title: A global assessment of microplastic abundance and characteristics on marine turtle nesting beaches. *Marine Pollution Bulletin*
- Bougher NL (). Title: Common fungi at Kings Park & Bold Park Western Australia.
- Brace A, Ruthrof KX, Fontaine J, Miller BP, Hopkins A (). Title: Prescribed burns alter the effects of herbicide application on soil fungal communities in a Mediterranean, climate-type woodland. *Forest Ecology and Management*
- Brace AJ, Fontaine JB, Ruthrof KX, Miller BP, Hopkins AJM (). Title: Immediate soil fungal community dynamics following fire in Mediterranean climate *Banksia* woodlands. *Science of the Total Environment*
- Bradbury D, Binks RM, Chant A, Monks L, Rye B, Byrne M (). Title: Genomic and morphological evidence do not support taxonomic recognition of the Critically Endangered scaly-leaved featherflower, *Verticordia spicata* subsp. *squamosa* (Myrtaceae): implications for conservation in a biodiversity hotspot. *Conservation Genetics*
- Burbidge AH, Ford S, King J, Blythman M, van Dongen R (). Title: Population estimates of threatened birds on Dirk Hartog Island: going beyond census to density surface models. *Journal of Field Ornithology*
- Ceccarelli DM, Logan M, Evans RD, Jones GP, Puotinen M, Petus C (). Title: Regional disturbances drive long-term decline in inshore coral reef fish assemblages in the Great Barrier Reef Marine Park. *Science of the Total Environment*
- Clitheroe E, Cannell B, Murray K, Fontaine JB (). Title: Temperatures inside little penguin (*Eudyptula minor*) artificial nest habitats exceed upper thermal limits in a range edge population. *Frontiers in Ecology and Evolution*
- Cowan M, Drew M, McMahon B, Gibson L (). Title: Balancing act: evaluating non-target risks of feral cat management in conservation reserves. *Wildlife Research*
- Crawford A (). Title: ASBP Annual Report 2023-2024 - DBCA highlight: Andrew Crawford. In *Australian Seed Bank Partnerships Annual Report 2023-2024*
- Dalziell EL, Tomlinson S, Merritt DJ, Lewandrowski W, Turner SR, Withers PC (). Title: Metabolic rate of angiosperm seeds: Effects of allometry, phylogeny and bioclimate. *AoB Plants*
- Densmore VS, van Dongen R, Wills AJ, Doherty TS (). Title: How Key Habitat Values Align to Burn Severity Classes in Western Australian Forests. *Australian Forestry*
- Driscoll, D et al. [S. Barrett, R. Dillon, C.R. Gosper, C.J. Yates] (). Title: Megafire impacts are mediated by protected areas, rainfall, and fire regimes. *Nature*
- Durnin M, Dalziell EL, Prober S, Marschner P (). Title: Variable seed quality hampers the use of *Themeda triandra* (Poaceae) for seed production, agriculture, research and restoration in Australia: A review. *Australian Journal of Botany*
- Elliott C, Krauss S (). Title: Pollination in the Pilbara: *Aluta quadrata*. *Friends of Kings Park Magazine*
- Filipe JC, Rymer PD, Byrne M, Hardy G, Mazanec R, Ahrens CW (). Title: Signatures of natural selection in a foundation tree along Mediterranean climatic gradients. In *XXIII International Congress of Genetics Melbourne, 16-21 July 2023*
- Florence L, Tomlinson S, Freestone M, Morgan J, Wood J, Truong C (). Title: Increasing understanding of fungal biogeography using the Australian Microbiome initiative. *Scientific Data*
- Fomichev CI, Macfarlane TD, Briggs BG, Sokoloff DD (). Title: Homology-based approach in assessing morphological diversity of *Restionaceae*. In *Abstracts Book, 20th International Botanical Congress, Madrid, 2024*
- Geary WL, Tulloch AIT, Doherty TS, Nimmo DG, Ritchie EG, Hanson JO et al. [Maxwell MA, Wayne AF] (). Title: Optimising fire and predator management for conservation. *Conservation Biology*
- Gibson L, Smith M, Sims C, Garretson S, Rayner K, Angus J et al. [Ottewell K] (). Title: Restoring Dirk Hartog Island's lost fauna – past the halfway mark. In *Island Arks Symposium VIII 26-29th August 2024*
- Golos PJ, Commander LE, Dixon KW (). Title: The spatial distribution of the topsoil seed bank in an arid grassland and its response to disturbance: Implications for topsoil use for vegetation restoration. *Applied Vegetation Science*
- Golos PJ, Revell CK (). Title: Native Pasture Restoration in the Kimberley Rangelands, Western Australia. In *2025 XII International Rangelands Congress, Adelaide, 2-6 June 2025*
- Golos PJ, Revell CK (). Title: Native Pasture Restoration in the Kimberley Rangelands, Western Australia. In *Australian Grassland Association Symposium, Adelaide July 2025*

- Good MK, Rumpff L, Fraser H, Gould E, Jones CS, Prober S, MLauterbach M, Bräutigam A, Clayton H, Saladie M, Rolland V, et al. [Byrne M, Gosper CR, Yates C] (2024). A structured approach for building multi-community state and transition models to support conservation planning. *Journal of Applied Ecology* 1-14.  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0801>
- Guildea C, Fossette S, Simpson T, McDonald S, Samuelraj N, Gee J et al [Scott Whiting] (). Title: Connecting young people to Country through marine turtle conservation: Exploring case studies in regional Western Australia. *Marine and Freshwater Research*
- Harrison N, Frick C, Wayne A, Mitchell N, Valentine L, Wayne J et al. (). Title: The quick and the dead: behavioural plasticity of anti-predator responses in an endangered mammal. *Conservation Letters*
- Hislop M (). Title: *Leucopogon longipes* (Ericaceae: Epacridoideae: Styphelieae), a remarkable, new, short-range endemic from the Great Southern district of Western Australia. *Nuytsia*
- Islam MA, Chaplin J, Lawrie AD, Rahman M, Pinder A (). Title: Invasion of Salt Lakes: the Brine Shrimp *Artemia* in Australia. *Aquatic Sciences*
- James SA, Gardiner L, Horning A (). Title: Mobilizing international Australian historical and type collections - online activation!. In *Proceedings of the International Botanical Congress (IBC) XX, Madrid, Spain, 21-27 July 2024*
- James SA, Gardiner L, Horning A (). Title: Mobilizing international Australian collections locally for global benefit. In *Abstracts of the SPNHC-TDWG 2024 Conference, Okinawa, Japan, 2-6 Sept 2024*
- James SA, Sadgrove K (). Title: The Western Australian Herbarium: botanical collections and their use in biodiversity discovery and science. *Public Advertising of Event*
- James SA, Wallis E, Ung V, Blum S, Bloom D (). Title: Biodiversity Information Standards: enabling data infrastructure. *Proceedings of the 2024 International Botanical Congress XX (Madrid, 21-27 July 2024)*
- Jenkin AR, Krauss SL, van Etten EJB (). Title: Dramatic decline in the Diversity of Insects to Flowers of Jarrah (*Eucalyptus marginata*) in Kings Park over 26 Years. *Journal of the Royal Society of Western Australia*
- Joyce EM, Schmidt-Lebuhn AN, Orel HK, Nge FJ, Anderson BM, Hammer TA et al. (). Title: Navigating phylogenetic conflict and evolutionary inference in plants with target capture data. *Australian Systematic Botany*
- Karkarey R, Maire E, Graham NAJ, Parravicini V, Brandl SJ, Carlot J et al. [Goetze J, Holmes TH] (). Title: Asynchronous population trends stabilize mesopredatory coral reef fish communities in the face of global change. *Ecology Letters*
- Keighery GJ, Keighery BJ (). Title: Plant species naturalising in Western Australia. *Western Australian Naturalist*
- Kelly F, Raudino H (). Title: Yardiyyarra (dugong) distribution, population size and health at Nyinggulu. *Ningaloo DBCA Newsletter*
- Kinloch J (). Title: Habitat suitability of *Varanus panoptes* – November 2023 update. *Will Be Distributed By Cane Toad Strategy Team to Project Partners*
- Lane A, Barrow D, Hunter R, Lawford G, Tucker AD (). Title: *Natator depressus* (flatback turtle) predation. *Herpetological Review*
- Macfarlane T (). Title: Leaf transcriptomes from C3, C3-C4 intermediate, and C4 Neurachne species give insights into C4 photosynthesis evolution. *Plant Physiology*
- Leung A, Patel R, Chirachon V, Stata M, Macfarlane TD, Ludwig M et al. (). Title: *Tribulus* (Zygophyllaceae) as a case study for the evolution of C2 and C4 photosynthesis. *Plant, Cell & Environment*
- Lewandowski W, Tudor EP, Ajduk H, Tomlinson S, Stevens JC (). Title: Spatiotemporal variation in ecophysiological traits align with high resolution niche modelling in the short-range banded ironstone endemic *Aluta quadrata*. *Conservation Physiology Or Journal of Applied Ecology*
- Leyendekkers A, Wear-Jones L, Hayes J, Tucker T, Raudino H, Waples K et al. [Prince B, Fossette S, Strydom S] (). Title: Recalcitrant behaviour of Australian Sea Lions visiting Shark Bay. In *25th Biennial Conference On the Biology of Marine Mammals, 11-15 November 2024, Perth Western Australia*
- Lohr C (). Title: Use of burn scars by threatened marsupials in an environment free of introduced predators. *Animal Behaviour*
- Macfarlane TD (). Title: A new combination in *Cynodon* for *Brachyachne anisocarpa* (Poaceae). *Nuytsia*
- Macfarlane TD, Conran JG (). Title: The recently described *Thysanotus tibeticum* (Asparagaceae) is a species of *Allium* (Amaryllidaceae). *Phytotaxa*
- Márqueza MC, Harvey ES, Goetze JS (). Title: An Exploration of Shark Folklore Across Cultures and Conservation Opportunity. *Conservation Science and Practice*
- Matusick G, Fontaine JB, Hardy G, Ruthrof KX (). Title: Causes of eucalyptus dieback and decline in southern Australia. *Current Forestry Reports*
- Mawson PR, Dawson RD, Saunders DA (2024). Breeding by barn owls *Tyto alba* in artificial nest hollows established for an endangered black cockatoo in the northern wheatbelt of Western Australia. *Australian Zoologist* 1-9.  
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/080288/080288-43.002.pdf>
- McGrath GS (). Title: Salinity variation with water level in shallow lakes. *Science*
- Miller RG, Enright NJ, Merritt DJ, Miller BP, Fontaine JB (). Title: Using patterns of post-fire plant reproduction to inform minimum fire intervals for conservation management in a fire-prone woodland. *Austral Ecology*
- Mononen T, Hardwick B, Alcobia S, Barrett A, Blagoev GA, Boyer S et al. [Pinder A, Quinlan K] (). Title: An active ensemble classifier for detecting animal sequences from global camera trap data. *Methods in Ecology and Evolution*
- Moore H, Yawuru Country Managers, Bardi Jawi Oorany Rangers, Nyul Nyul Rangers, Nykina Mangala Rangers, Gibson LA et al. [Dzimirski MA, Carpenter FM] (). Title: Dampier Peninsula Greater Bilby Main Roads offset project. In *DBCA Library*
- Moore HA, Diets RL, Indigo NL, Cowan MA, Trewella GJ, Nimmo DG (). Title: Midnight siesta: bimodal temporal activity observed in an endangered marsupial predator. *Austral Ecology*
- Morris L, Beesley L, Stevens E, Gwinn D, Hyde J, Thompson S et al. (). Title: Active eDNA is more cost-effective than fyke nets or passive eDNA collection when monitoring the invasion of an alien freshwater fish. *Environmental DNA Environmental DNA*

- Moustaka M, Bassett TJ, Beltran L, Cuttler MVW, Evans RD, Gorman D et al. [Wilson SK] (). Title: Limited role of trophic subsidies for predatory fish across a tropical seascape. *Science of the Total Environment*
- Moustaka M, Robbins WD, Wilson SK, Wakefield C, Cuttler MVW, O'Leary MJ, Evans RD (). Title: Seascape effects on the nursery function of macroalgal habitats. *Marine Pollution Bulletin*
- Müller MF, Baker CJ, Banks S, Campbell MA, Crewe TL, Kaestli M et al. [Radford IJ] (). Title: Closely related Gouldian finches flock to travel, forage and drink: Implications for abundance counts. *Biological Conservation*
- Müller MF, Griffith SC, Crewe TL, Kaestli M, Collett SJ, Radford IJ et al. (). Title: Extreme heat perturbs free-ranging activity in tropical savanna passerines. *Global Change Biology*
- Munro TP, Erickson TE, Nimmo DG, Dadzie FA, Muñoz-Rojas M, Price JN (). Title: Enhancing native seedling establishment on degraded agricultural land with topsoil pellets. *Plant and Soil*
- Munro TP, Erickson TE, Nimmo DG, Price JN (). Title: Assessing seed pellet formulations to improve native plant restoration under water limited conditions. *Restoration Ecology*
- O'Donnell AJ, Jucker T, Gosper CR, Wiehl G, Yeoh PB, Raisbeck-Brown N et al. [Page GFM, Zdunic K] (). Title: Quantifying the impacts of fire on the age and carbon stocks of Australia's Great Western Woodlands. In *Ecological Society of Australia Abstracts, Melbourne – December 9-13 2024*
- Ottewell K, Byrne M (). Title: Genomic data empowering conservation of Australia's endangered species. In *Genetics Society of Australia Conference, Macquarie University, 30 June-3 July 2024*
- Overton J, Ooi MKJ, Tangney R (). Title: Some like it hotter: Seed trait variation in obligate seeding *Acacia pulchella* along a climate gradient. *Journal of Ecology*
- Palmer R, Lloyd R, O'Connell M (). Title: *Liasis olivaceus barroni* (Pilbara olive python) diet. *Herpetological Review Natural History Notes*
- Peddle SD, Hodgson RJ, Borrett RJ, Brachmann S, Davies TC, Erickson TE et al. [Krauss SL] (). Title: Practical applications of soil microbiota to improve ecosystem restoration: current knowledge and future directions. *Biological Reviews*
- Percy-Bower J, Parker K, James S (). Title: Released from red boxes: camera shy collections improve understanding of the flora in under-collected Western Australia. In *Society For the Preservation of Natural History Collections (SPNHC) & Biodiversity Information Standards (TDWG) Joint Conference 2024, September*
- Poschod P, Mašková T, Chen S-C, Phartyal SS, Rosbakh S, Silveira FAO et al. [Dalziell E, Merritt D] (). Title: A handbook of protocols for standardized measurements of regenerative plant functional traits. *New Phytologist*
- Quah R, Davis R, Courtenay J, Mills H, Cowen S, Hopkins A (). Title: Assessing diet and habitat requirements of Gilbert's potoroo using eDNA for the selection of future translocation sites. In *John Glover Symposium, Royal Society of Western Australia, 6-7 October 2023*
- Radford IJ, Abbott BN, Nicholas DM, Whiteman L, Grice AC (). Title: Prescribed burning benefiting or neutral for herbaceous vegetation in an invader dominated commercially grazed savanna. *Rangeland Journal*
- Rahman M, Chaplin J, Lawrie A, Pinder A (). Title: Using desiccation-resistant eggs to study the taxonomy and ecology of giant ostracods (subfamily Mytilocypridinae) in Australian salt lakes. *Hydrobiologia*
- Rastoin-Laplana E, Salinas-de-Lenb P, Acua-Marrerob D, Goetze J, Saunders BJ, McKinley S et al. [Cundy M] (). Title: Comparative biogeography of benthic and pelagic shore fish communities of the Galapagos: stereo-BRUVs surveys support the use of bioregions for management. *Journal of Biogeography*
- Raudino H, Waples K, Wei C, Stephens N (). Title: Strandings and Science - putting the pieces together.. *Landscape*
- Rodriguez-Prieto C, De Clerck O, Huisman J, Leliaert F, Lin S-M (). Title: Revisiting the systematics of the Grateloupia-complex (Halymeniales, Rhodophyta) based on cystocarp development and molecular phylogeny. In *European Phycological Congress, August 20th to 26th, 2023, Brest*
- Ross C, Cuttler M, Richards Z, Holmes T (). Title: Boom and bust of reef communities in Coral Bay, Western Australia. *AMSA Newsletter*
- Saunders DA, Mawson PR, Dawson RD, Beswick H, Pickup G, Usher K (). Title: Movements of adult and fledgling Carnaby's Cockatoos (*Zanda latirostris* Carnaby, 1948) from eleven breeding areas throughout their range. *Pacific Conservation Biology*
- Shaw RE, Brockett B, Neaves L, Ottewell K, Byrne M, (). Title: Ten principles to guide meaningful collaboration in conservation genetics and genomics. *Conservation Genetics*
- Shaw RE, Farquharson KA, Bruford M, Coates D, Elliott C, Mergeay J et al. [Ottewell K, Hopley T, Binks RM, Byrne M, Millar MA] (). Title: Conservation action is needed to halt pervasive genetic diversity loss. *Nature*
- Shaw RE, Farquharson KA, Bruford MW, Coates DJ, Elliott C, Mergeay J et al. [Ottewell K, Binks RM, Byrne M, Huntley B, Millar M] (). Title: Conservation action is needed to halt pervasive genetic diversity loss. *Nature*
- Sokoloff DD, Fomichev CI, Rudall PJ, Macfarlane TD, Remizowa MV (). Title: The enigma of the grass stigma. In *Abstracts Book, 20th International Botanical Congress, Madrid, 2024*
- Stephens RE, Sauquet H, Laugier B, Gosper CR, Gallagher RV (). Title: Eucalypt flower size and colour shaped more by pollination than abiotic environment. *Proceedings of the Royal Society B*
- Stevens E, Hyde J, Beesley L, Gwinn D, Thompson S, Morris L et al. [Wilson P] (). Title: Fishy business –assessing the efficacy of active and passive eDNA to describe the fish assemblage of a river in southwestern Western Australia to support effective monitoring. *Environmental DNA*
- Stobo-Wilson AM, Stevens A, Legge S, Murphy B, Richards A, Pavey C et al. [Radford IJ] (). Title: Untangling multiple, interacting threats and their management solution: A review and elicitation of the contemporary drivers of decline in the mammal fauna of northern Australia. *Biological Conservation*
- Tangney R, McInnes SJ, Dalziell EL, Cornwell WK, Miller BP, Auld TD et al. (). Title: Defining the pyro-thermal niche: Do seed traits, ecosystem type and phylogeny influence thermal thresholds in seeds with physical dormancy?. *New Phytologist*
- Thavornkanlapachai R, Mills HR, Ottewell K, Lambert C, Friend JA, White DJ et al. (). Title: Admixture between genetically diverged island populations bolsters genetic diversity within a newly established island population of the

dibbler (*Parantechinus apicalis*), but does not prevent subsequent loss of genetic variation. *Evolutionary Applications*

Thorn S, Wills A, McCaw L (). Title: Biodiversity monitoring for the jarrah (*Eucalyptus marginata*) forest in south-west Western Australia: an extension to ten-year findings of Forestcheck. *Forest Ecology and Management*

Tomlinson S, Dreyer D, Whitehouse M, Warrant E (). Title: The potential contribution of thermal biology to migratoriness in a high-altitude Australian moth. *IScience*

Tudor E, Lewandowski W, Stevens J (). Title: Beneath the bark: Exploring the rhythm and cues of our urban trees. *Friends of Kings Park Magazine*

Tudor ER, Cross AT, Tomlinson S (). Title: Forest structure and microclimate shape nest-site selection in cavity-nesting Hymenoptera. *Functional Ecology*

Van den Burg D, Van der Weyde LK, Firman RC (). Title: The benefit of a digging mammal to a degraded environment: how the foraging activity of an endangered bandicoot has impacted soil and vegetation characteristics. *Wildlife Research*

VanCompernelle M, Morris J, Calich HJ, Rodríguez JP, Marley SA, Pearce JR et al. [Arrowsmith LM, Fossette S, Raudino HC, Waples K, Whiting SD] (). Title: Vulnerability of marine megafauna to global at-sea anthropogenic threats.

Wallis EJ, Nargar K, James SA (). Title: Innovation leading to new ways of knowing in Australian botanical collections and the Atlas of Living Australia. In *Proceedings, International Botanical Congress (IBC) XX, Madrid, Spain, 21-27 July 2024*

Ward M, Simmonds J, Ashman K, Lintermans M, Whiterod NS, Raadik T et al. [Burbidge AH] (). Title: The habitat of Australia's highly imperilled small-range species is mostly outside protected areas. *Conservation Biology*

Wawrzyczek SK, Davis RA, Krauss SL, Hoebee SE, Ashton L, Phillips RD (). Title: Pollination by birds, non-flying mammals, and European Honeybees in a heathland shrub, *Banksia cataglypta* (Proteaceae). *Botanical Journal of the Linnean Society*

Wawrzyczek SK, Davis RA, Krauss SL, Hoebee SE, Phillips RD (). Title: Does pollination by non-flying mammals contribute substantially to plant reproduction? A test in four species of *Banksia* (Proteaceae) with contrasting floral traits. *Botanical Journal of the Linnean Society*

Wayne AF, Maxwell MA, Ward CG, Quinn J, Williams MR (). Title: Baiting after burning: fire effects on introduced predator control using Eradicat® baits and native fauna in a eucalypt forest. *Wildlife Research*

Wege J (). Title: Spotted Triggerplant: *Stylidium tenerrimum*. *Landscape*

Wege JA, Brennan KG (). Title: Key to the Triggerplants of the Northern Territory (Stylidium: Stylidiaceae). *Nuytsia*

Wege JA, Brennan KG, Bean AR, Barrett RL, Dillon SJ, Barrett MD (). Title: *Stylidium* miscellany IV: novel species, recircumscriptions and range extensions for northern Australia. *Nuytsia*

Williams-Kelly KS, Berry L, Branch K, Cowen S, Garretson S, Holland GJ et al. [Rayner K, Sims C] (). Title: Behaviour assessments in an arena and during capture reveal a vulnerable rodent as avoidant and shy. *Animal Behaviour*

Zarco-Perello S, Bennett S, Goetze J, Holmes T, Stuart-Smith R, White ER (). Title: Refining the trophic diversity, network structure, and bottom-up importance of prey groups for temperate reef fishes. *Trophic Diversity*

## Contacts

### **BCS Assistant Director**

Walton, Katrina S.  
katrina.walton@dbca.wa.gov.au  
Ph: 9219 9074

### **Science Coordinator**

McAuley, Rory B.  
rory.mcauley@dbca.wa.gov.au  
Ph: 9219 9025

### **Biodiversity Knowledge**

Ensikat, Helen T.  
helen.ensikat@dbca.wa.gov.au  
Ph: 9219 9084

### **Biodiversity Knowledge**

Schell, Kathryn  
kathryn.schell@dbca.wa.gov.au

### **Science Communications**

Gill, Alan  
alan.gill@dbca.wa.gov.au  
Ph: 9219 9025

### **Biodiversity Information Office**

Moriarty, Trisha  
trisha.moriarty@dbca.wa.gov.au  
Ph: 9219 9090

### **Animal Science**

Gibson, Lesley A.  
lesley.gibson@dbca.wa.gov.au  
Ph: 9405 5159

### **Ecosystem Science**

Pinder, Adrian M.  
adrian.pinder@dbca.wa.gov.au  
Ph: 9219 9868

### **Fire Science**

Miller, Ben P.  
ben.miller@dbca.wa.gov.au  
Ph: 9480 3637

### **Kings Park Science**

Stevens, Jason C.  
jason.stevens@dbca.wa.gov.au  
Ph: 9480 3639

### **Perth Zoo Science**

Mills, Harriet R.  
harriet.mills@dbca.wa.gov.au  
Ph: 9474 0311

### **Plant Science and Herbarium**

Gosper, Carl R.  
carl.gosper@dbca.wa.gov.au  
Ph: 9219 9041

### **Remote Sensing and Spatial Analysis**

Zdunic, Katherine  
katherine.zdunic@dbca.wa.gov.au  
Ph: 9219 9584

### **Rivers and Estuaries Science**

Trayler, Kerry M.  
kerry.trayler@dbca.wa.gov.au  
Ph: 9278 0955

### **Species and Communities**

Harvey, Ruth A.  
ruth.harvey@dbca.wa.gov.au  
Ph: 9219 9512

### **Western Australian Herbarium Curator**

Huisman, John M.  
john.huisman@dbca.wa.gov.au  
Ph: 9219 9137

### **DBCA Library**

WREFORD, Nicole  
nicole.wreford@dbca.wa.gov.au  
Ph: 9219 9058

### **DBCA Library**

Wright, Lisa  
lisa.wright@dbca.wa.gov.au  
Ph: 9219 9091

### **DBCA Library**

DBCA Library  
library@dbca.wa.gov.au  
Ph: 9219 9058

### **Marine Science**

Holmes, Thomas H.  
thomas.holmes@dbca.wa.gov.au