

SCIENCE COMMUNICATIONS

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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 Science and Conservation. This issue is for the period August 2022-January 2023. 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

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Journal Publications

Andradi-Brown DA, Veverka L, Amkieltiela, Crane NL, Estradivari, Fox HE et al. [Goetze J] (2023). Diversity in marine protected area regulations: protection approaches for locally appropriate marine management. *Frontiers in Marine Science* **10**: 1099579

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Auld TD, Keith DA, Gallagher RV, Tozer M, Ooi MKJ, Le Breton T et al. [Yates C] (2022). Frameworks for identifying priority plants and ecosystems most impacted by major fires. *Australian Journal of Botany* **70** 455-493.

<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081594/081594-70.006.pdf>

Barrett RL, Barrett MD, Clements MA (2022). A revision of Orchidaceae from the Kimberley region of Western Australia with new species of tropical *Calochilus* and *Dipodium*. *Telopea* **25** 203-270.

<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/082197/082197-31.001.pdf>
Berto B, Brown VS (). Ten years to restore the planet: a seedy situation. *Restoration Ecology* **31** (2023): e13755

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Binks RM, Hislop M, Byrne M (2022). Synonymisation of taxa, correction of a misapplied name, and an updated key to the Western Australian *Leptospermum erubescens* species group (Myrtaceae: Leptospermeae). *Nuytsia* **33** 325-329.

<https://library.dbca.wa.gov.au/Journals/080057/080057-33.009.pdf>
Brockman G, French CJ (2022). *Eriochilus glareosus* (Orchidaceae), a new species from south-west Western Australia. *Nuytsia* **33** 217-220.

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Collett SJ, Crewe TL, Radford IJ, Garnett ST, Campbell HA (2022). Sympatric finches differ in visitation patterns to watering holes: implications for site-focused bird counts. *Emu: Austral Ornithology* **122** 269-275.

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Dalziell EL (2022). The a-peel of storing mature seeds for wild banana conservation. *Conservation Physiology* **10**: coac049

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Dalziell EL, Lewandrowski W, Commander LE, Elliott CP, Erickson TE, Tudor EP et al. [Merritt DJ] (2022). Seed traits inform the germination niche for biodiverse ecological restoration. *Seed Science and Technology* **50S** 103-124.

Fernandes RE, Millar MA, Coates DJ, Byrne M, Krauss SL, Williams MR et al. (2022). Plant mating system dynamics in restoration: a comparison of restoration and remnant populations of *Hakea laurina* (Proteaceae). *Restoration Ecology* **30**: e13609

<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/080441/080441-12.002.pdf>
Hislop M, Nguyen HK (2022). A taxonomic review of the *Styphelia tamminensis* subgroup (Ericaceae: Epacridoideae: Styphelieae). *Nuytsia* **33** 275-320.

<https://library.dbca.wa.gov.au/Journals/080057/080057-33.009.pdf>
Hounslow JL, Fossette S, Byrnes EE, Whiting SD, Lambourne RN, Armstrong NJ et al [Tucker AD] (2022). Multivariate analysis of biologging data reveals the environmental determinants of diving behaviour in a marine reptile. *Royal Society Open Science* **9**: 211860

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Keighery GJ (2022). The status of *Albizia lebbek* (Fabaceae: Mimosoideae) in Western Australia. *Nuytsia* **33** 143-146.

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Keith DA, Allen SP, Gallagher RV, Mackenzie BDE, Auld TD, Barrett S et al. [English V, Gosper C, Miller BP, Yates CJ] (2022). Fire-related threats and transformational change in Australian ecosystems. *Global Ecology and Biogeography* **31** 2070-2084.

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Millar MA, Binks RM, Tapper S-L, Macdonald BM, McArthur SL, Hankinson M et al. [Coates DJ, van Leeuwen S, Byrne M] (2022). Limited phylogeographic and genetic connectivity in *Acacia* species of low stature in an arid landscape. *Ecology and Evolution* **12** 1-17.
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Moore H, Dunlop J, Geyle H, Greenwood L, Nimmo D (2023). First you get the money, then you get the power: comparing the cost and power of monitoring programs to detect changes in occupancy of a threatened marsupial predator. *Conservation Science and Practice* **5**: e12881
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081434/081434-05.001.pdf>

Obbens FJ (2022). Reassessment of the type collections of W. Fitzgerald's *Calandrinia tepperiana* (Montiaceae) leads to the discovery of a putative new species from the Kimberley. *Nuytsia* **33** 147-148.
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Rahman M, Chaplin J, Pinder A (2023). The biology of giant ostracods (Crustacea, Cyprididae), a review focusing on the Mytilocypridinae from Australian inland waters. *Marine and Freshwater Research* **74** 1-19.
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Rye BL, Wilson PG (2022). Reduction of *Corynanthera* to the synonymy of *Micromyrtus* (Myrtaceae: Chamelaucieae: Micromyrtinae). *Nuytsia* **33** 321-324.
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Wilson SK, Fulton CJ, Graham NAJ, Abesamis RA, Berkström C, Coker DJ et al. [Evans RD, Goetze J, Holmes TH] (2022). The contribution of macroalgae-associated fishes to small-scale tropical reef fisheries. *Fish and Fisheries* **23** 847-861.
<https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/081530/081530-23.001.pdf>

Books/Chapters

Keighery G, Brown A, Davis R (2022). Common wildflowers of the south-west forests. Department of Biodiversity, Conservation and Attractions, [Kensington, W.A.] Bush books; 72 p.

Conference/Workshop Papers/Posters

Rayner K, Sims C, Garretson S, Cowen S (2022). Dirk Hartog Island: return to 1616. 43 p. Department of Biodiversity, Conservation and Attractions, Woodvale, W.A.
<https://library.dbca.wa.gov.au/FullTextFiles/201749.pdf>

Saeed A, Huang P, Busch B, Trayler K, Hipsey MR, Oldham C (2022). Identification of controls on estuary metabolism using high-frequency data and numerical modelling. In *Schedule : AGU Fall Meeting, Chicago IL & Online Everywhere, 12-16 December 2022* 1 p. Conference Organising Committee, Chicago, Ill.
<https://library.dbca.wa.gov.au/secure/StaffOnly/203450.pdf>

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<https://library.dbca.wa.gov.au/secure/StaffOnly/203450.a.pdf>

Abstract

Allnutt T, Barrett M, Brown G, Crayn D, Jackson C, Lum M et al. [Shepherd K] (2022). The Australian Angiosperm Tree of Life project. In *Abstracts : Botany 2022, Plants at the Extreme : Anchorage, Alaska, July 24-27, 2022* pp. 1.
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Brose C, Jabaily R, Shepherd K (2022). Diversification and character trait analyses of the Core Goodeniaceae. In *Abstracts : Botany 2022, Plants at the Extreme : Anchorage, Alaska, July 24-27, 2022* pp. 1.
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- Friend JA, Button TA (2022). The Boullanger Island dunnart *Sminthopsis fuliginosus*: a feisty little battler hangs on!. In *68th Annual Scientific Meeting of the Australian Mammal Society 2022 : Perth, Sept 27-30, 2022* pp. 31. <https://library.dbca.wa.gov.au/secure/StaffOnly/203382/203382.003.pdf>
- Harrison N, Phillips B, Mitchell N, Wayne J, Maxwell M, Ward C et al. [Wayne A] (2022). Preliminary evidence for the loss of anti-predator responses from a havened mammal population. In *68th Annual Scientific Meeting of the Australian Mammal Society 2022 : Perth, Sept 27-30, 2022* pp. 34. <https://library.dbca.wa.gov.au/secure/StaffOnly/203382/203382.003.pdf>
- Knight K (2022). Myxomycetes in Western Australia. 28 pp. <https://library.dbca.wa.gov.au/FullTextFiles/202696.pdf>
- McGrath G, Hatch M, Davis A (2022). Hydrology of a temperate coastal salt-marsh. 21 pp. <https://library.dbca.wa.gov.au/FullTextFiles/203331.001.a.pdf>
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Reports/Chapters

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- Dziminski MA, Greatwich BR, McPhail RM, Carpenter FM, Alai J, Lindsay M et al. [Gibson L.] (2022). Monitoring, mapping and safeguarding Kimberley bilbies: final report. 121 p. National Environmental Science Programme, Northern Australia Environmental Resources Hub, Canberra <https://library.dbca.wa.gov.au/FullTextFiles/204193.pdf>
- Eastwood RG, Williams AAE, Williams MR (2022). Progress report: survey of the critically endangered arid bronze azure butterfly (ABAB), *Ogyris subterrestris petrina* Field, 1999 and its host ant, *Camponotus* sp. nr. *terebrans*. R. Eastwood, Welshpool, W.A. 12 p. <https://library.dbca.wa.gov.au/secure/StaffOnly/203942.pdf>
- Huntley B (2022). Millstream riparian vegetation: remote sensing vegetation report 2022. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 29 p. <https://library.dbca.wa.gov.au/secure/Confidential/203360/203360-2022.pdf>
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- Northover A, Friend T, Cowen S, Ottewell K, Mills H, Moro D et al. [Gibson L] (2022). Recovery of the dibbler *Parantechinus apicalis*: review of progress and future research directions. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 45 p. <https://library.dbca.wa.gov.au/FullTextFiles/202443.pdf>
- Novak P, Hoeksema S (2022). An assessment of per- and poly-fluoroalkyl substances (PFAS) in the surface water and biota of the Swan Canning Estuary and its catchment. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 64 p. <https://library.dbca.wa.gov.au/FullTextFiles/152980.pdf>
- O'Donnell A, Prober S, Gosper C (2022). Great Western Woodlands pilot carbon methodology: progress report 1. 10 p. CSIRO, [Floreat, W.A.?] <https://library.dbca.wa.gov.au/secure/StaffOnly/203588.pdf>
- Raudino H, Crook K, D'Cruz E, Waples K (2022). Snubfin dolphin census in Yawuru Nagulagun/Roebuck Bay. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 21 p. <https://library.dbca.wa.gov.au/FullTextFiles/202830.pdf>
- Stockwell S, Rayner K (2022). Celebrate the wins, learn from the lows: field ecology with Kelly Rayner. In *Itsawildlife Blog and Podcast Aug 16* 12 p. <https://library.dbca.wa.gov.au/FullTextFiles/201755.pdf>
- Wayne A, Maxwell M, Wayne J, Virgo M (2022). A assessment of ngwayir (western ringtail possum) in the Perup Sanctuary, to inform a potential translocation to the Perup Sanctuary: progress report. Department of Biodiversity, Conservation and Attractions, Manjimup, W.A. 33 p. <https://library.dbca.wa.gov.au/FullTextFiles/203454.pdf>

Popular (Landscape, Newsletters, Letters, etc.)

- Burbidge A, Comer S, Douglas T (2022). Where are WA's whipbirds?. *Western Australian Bird Notes*No 183 p. 15. <https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/080290/080290-183.001.pdf>
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- Knight K (2022). Slime moulds for healthy, thriving Jirdarup Bushland ecosystem. 11 Town of Victoria Park, Victoria Park, W.A. <https://library.dbca.wa.gov.au/FullTextFiles/203342.pdf>
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