SCIENCE COMMUNICATIONS

55, January 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 August 2023-January 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

Margaret Byrne **Executive Director** Biodiversity and Conservation Science

Journal Publications

Brown AP, Davis RW (2023). Eremophila improvisa, E. rubicunda and E. saxatilis (Scrophulariaceae), three new species from Western Australia. Nuvtsia 34 255-260. https://library.dbca.wa.gov.au/Journals/080057/080057-

Cowen S, Sims C, Ottewell K, Knox F, Friend T, Mills H et al. [Garretson S, Rayner K, Gibson L] (2023). Return to 1616: multispecies fauna reconstruction requires thinking outside the Lubitz N, Abrantes K, Crook K, Currey-Randall L, Chin A, box. Animals 13: 2762

https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0812

Davis B, Merritt D (2023). The hustle to save Bussell's. Australasian Plant Conservation 32(2) 16-17.

79/081979-32.001.pdf

Eastwood R, Jacks A, Williams AAE, Petersen L, Cameron J (2023). Current distribution, preferred habitat, behaviour and biology of the inland hairstreak, Jalmenus aridus Graham & Moulds, 1998 (Lepidoptera: Lycaenidae) in the eastern goldfields region of Western Australia. Records of the Western Prober S., Wiehl G, Gosper CR, Schultz L, Langley H, Australian Museum 38 68-75.

https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0802

Eastwood RG, Braby MF, Williams MR (2023). Neolucia bollami Eastwood, Braby & Graham, sp. nov. (Lepidoptera: Lycaenidae): speciation of a new allochronic cryptic butterfly from south-western Western Australia. Invertebrate Systematics 37 552-570.

https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0806

Firman RC, Ellis CM, Thorn S, Mawson PR (2023). Parental effects on offspring sex ratio in the numbat (Myrmecobius fasciatus): does captivity influence paternal sex allocation?. Journal of Mammalogy 104 1036-1046.

https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0802

Fuentes MMPB, Santos AJB, Abreu-Grobois A, Brisefio-Duefias R, Al-Khayat J, Hamza S et al. [Gammon M, Fossette https://library.dbca.wa.gov.au/Journals/080057/080057-S] (2024). Adaptation of sea turtles to climate warming: will phenological responses be sufficient to counteract changes in Hanrahan N, Ottewell K (2024). Species-specific SNP arrays reproductive output?. Global Change Biology 30: e16991 https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0815 43/081543-30.001.pdf

Hislop M (2023). Four new species of Western Australian Styphelia (Ericaceae: Epacridoideae: Styphelieae) from the S. marginata subgroup. Swainsona 37 75-88. https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0812

89/081289-37.001.pdf

Huisman JM, Zuccarello GC, Lin S-M (2023). Molecular analysis identifies a red seaweed common in the Swan Estuary as Gracilaria transtasmanica (Gracilariales: Gracilariaceae). Nuytsia 34 221-226.

https://library.dbca.wa.gov.au/Journals/080057/080057-

Huntley BG (2023). Millstream riparian vegetation: remote sensing vegetation report 2023. 17 Department of Biodiversity, Conservation and Attractions, Kensington, W.A.

https://library.dbca.wa.gov.au/secure/Confidential/203360/203

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/0802 79/080279-51.006.pdf

Lin S-M, Nelson W, Huisman JM (2023). Species diversity and ecological roles of marine calcified macroalgae with an emphasis on coralline algae in the western Pacific Ocean. Phycologia 62 533-534.

https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0812

Sheaves M et al (2023). Trophic ecology shapes spatial ecology of two sympatric predators, the great hammerhead shark (Sphyrna mokarran) and bull shark (Carcharhinus leucas). Frontiers in Marine Science 10: 1274275 https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0819 https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0811 51/081151-10.004.pdf

> 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

Macfarlane C (2023). The Great Western Woodlands TERN SuperSite: ecosystem monitoring infrastructure and key science learnings. Journal of Ecology and Environment 47: 27 https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0827 11/082711-47.001.pdf

Sansom JL, Blythman MD, Priemus R, Mawson PR (2023). Rottnest Island peafowl Pavo cristatus: a colourful history comes to an end. Australian Zoologist 43 116-122. https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0802 88/080288-43.001.pdf

Shepherd KA, Lepschi BJ (2023). Revision of the connate bracteole group allied to Goodenia panduriformis (Goodeniaceae), including recognition of three new species. Nuvtsia 34 227-254.

Thavornkanlapachai R, Armstrong KN, Knuckey C, Huntley B, for non-invasive genetic monitoring of a vulnerable bat. Scientific Reports 14: 1847

https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0812

Vanderklift MA, Pillans RD, Rochester W, Stubbs JL, Skrzypek G, Tucker AD et al [Whiting SD] (2023). Ontogenetic Cowen S et al. (2023). Trials and tribulations of tracking in changes in green turtle (Chelonia mydas) diet and home range in a tropical lagoon. Frontiers in Ecology and Evolution AOC2023 pp. 19. **11**: 1139441

https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0815

Wayne A, Maxwell M, Chambers B, Sullivan D (2023). Felixer[™] grooming trap trials for conservation in the jarrah forest. 2

https://library.dbca.wa.gov.au/Journals/080525/080525-

Webster CL, Lavery PS, Strydom S, Billinghurst J, McMahon K (2023). The ability of Ruppia polycarpa to regenerate from seed depends on seasonal porewater salinity dynamics and declining winter rainfall could delay recruitment. Estuaries and July 2023, Melbourne. pp. 1. Coasts 46 1239-1252.

https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0826

Books/Chapters

Keighery G, Longman V, Rye B (2023). Comprehensive plant- pp. 1. list for the Perth Metropolitan Region. In Growing Locals: Gardening With Local Plants in Perth / Robert Powell & Jane Emberson pp. 108-155. Western Australian Naturalists' Club, Perth

Murphy DJ, Maslin B (2023). Acacia: taxonomy and phylogeny. In Wattles: Australian Acacia Species Around the World (eds D M Richardson, J J Le Roux) pp. 27-40. CAB International, Wallingford, England

https://library.dbca.wa.gov.au/secure/StaffOnly/208194.001.pd

Conference/Workshop Papers/Posters

Martin P, Pinder A, Wetzel M (eds) (2023). 15th International Symposium on Aquatic Oligochaeta. In Zoosymposia 23 p. 5-

https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0826

Abstract

an effective tool for population genomics?. In Biosystematics 2023, 26-30 November 2023, Canberra: Abstract Book pp. 3. https://library.dbca.wa.gov.au/secure/StaffOnly/208317/20831 7.001.pdf

Barrett MB, Cowie ID, Barrett RL, Anderson BM, Thiele KR, Krauss SL et al. (2023). Triodia hummock grass systematics, hybridization and polyploidy (Poaceae: Chloridoideae). In Biosystematics 2023, 26-30 November 2023, Canberra: Abstract Book pp. 10.

https://library.dbca.wa.gov.au/secure/StaffOnly/208317/20831

Bourne A, Knox F, Forshaw D, Hyndman T, Palmer B (2023). Warts this?: pigmented ear lesions and a novel papillomavirus inform the conservation management of a narrow-range in a reintroduced population of boodies on Faure Island. In Conference Abstracts: 3rd International Conservation Translocation Conference 2023, Fremantle pp. 7-8. https://library.dbca.wa.gov.au/secure/StaffOnly/208320/20832 0.001.pdf

Bryant G, Webber B, McLellan L, O'Malley J, Algar D, Hunt S (2023). What next for the WA Feral Cat Working Group?. In Posters: Biodiversity Conference 2023, 10-12 October 2023, Perth, Australia pp. 1.

https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456

Burbidge A, Thomas A, Berryman A, Comer S, Rayner K, translocations: ground parrots and grasswrens. In Abstracts

https://library.dbca.wa.gov.au/secure/StaffOnly/208218.001.pd

Byrne M (2023). Genomics for conservation and management. In XXIIIrd International Congress of Genetics, 16-21 July 2023, Melbourne pp. 1.

https://library.dbca.wa.gov.au/secure/StaffOnly/206727.001.pd

Byrne M, Hopley T, Webber B, Raghu S, Morin L (2023). Genomics reveals the introduction history of a transformer weed, Passiflora foetida sensu lato, in Australia. Abstract presented at XXIIIrd International Congress of Genetics, 16-21

https://library.dbca.wa.gov.au/FullTextFiles/204117.002.pdf

Byrne M, Ottewell K, Binks R, Hyde J (2023). Genomics for conservation and management of our diverse plants, animals and ecosystems. In Program: International Plant and Animal Genome Conference Australia, 20-22 September 2023, Perth

https://library.dbca.wa.gov.au/secure/StaffOnly/206812.001.pd

Comer S, Berryman A, Cowen S, Danks A, Burbidge A (2023). Looking forward: how can conservation translocations https://library.dbca.wa.gov.au/secure/StaffOnly/207945.001.pd continue to improve conservation prospects for the endangered noisy scrub-bird (tjimiluk, Atrichornis clamosus)?. In Conference Abstracts: 3rd International Conservation Translocation Conference 2023, Fremantle pp. 11. https://library.dbca.wa.gov.au/secure/StaffOnly/208320/20832 0.002.pdf

> Cowen S, Burbidge A, Garretson S, Gibson Vega A, Knox F, Ottewell K et al. [Rayner K, Sims C, Van der Weyde L, Gibson L] (2023). Improvise, adapt, overcome!: multi-species translocation programs require 'out of the box' thinking to ensure conservation success. In Program: Biodiversity Conference 2023, 10-12 October 2023, Perth, Australia pp. 1. https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456 4.020.pdf

Cowen S, Sims C, Burbidge A, Friend J, Ottewell K, Gibson LA (2023). The challenge of designing meaningful success Anderson BM, Binks RM, Byrne M (2023). Is Angiosperms353 criteria for conservation translocations in the face of uncertainty. In 3rd International Conservation Translocation Conference, 13-15 November 2023 pp. 13-14.

https://library.dbca.wa.gov.au/secure/StaffOnly/208320/20832

Doyle C, Abeli T, Albrecht M, Bellis J, Colas B, Dalrymple SE et al. [Lewandrowski W] (2023). Achieving conservation outcomes in plant mitigation translocations: the need for global standards. In Conference Abstracts: 3rd International Conservation Translocation Conference 2023, Fremantle pp. 19-20.

https://library.dbca.wa.gov.au/secure/StaffOnly/208320/20832

Filipe J, Binks R, Byrne M (2023). Using genomic data to endemic plant species in the Pilbara region of Western Australia. In Program: Biodiversity Conference 2023, 10-12 October 2023, Perth, Australia pp. 1.

https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456

Fossette S, Gammon M, Loewenthal G, Tucker T, Peel L, Simpson T et al. [Whiting S] (2023). Prioritizing conservation efforts over 60 years and 600,000 Km2: a cumulative risk assessment of anthropogenic threats to flatback turtles. In Program: Biodiversity Conference 2023, 10-12 October 2023, Perth, Australia pp. 1.

https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456

Friend T, Macmahon B, Hill R, Thomas N, Lawson J, McLean au/secure/StaffOnly/208320/208320.007.pdf

R ... [et al.] (2023). Who's been eating numbats?: a longitudinal study through changing management regimes in Dryandra Woodland. In 69th Annual Scientific Meeting of the Australian Mammal Society: Conference Program and Abstracts pp. 1.

https://library.dbca.wa.gov.au/secure/StaffOnly/208054.004.pd (Bettongia penicillata ogilbyi) to inform conservation

R ... [et al.] (2023). Who's been eating numbats?: a longitudinal study through changing management regimes in Dryandra Woodland. In Newsletter of the Australian Mammal Society Nov pp. 21-22.

Gammon M, Fossette S, Bentley B, Mitchell N (2023). Reconstructing 32 years of sand temperature to characterise thermal exposure of sea turtle eggs and risk from climate change. In Program: Biodiversity Conference 2023, 10-12 October 2023, Perth, Australia pp. 1.

Gibson Vega A, Hall M, Ridley A, Burbidge A, Cowen S (2023). A small drop of blood for a sea of information: using genetics to inform western grasswren translocation strategies. https://library.dbca.wa.gov.au/secure/StaffOnly/208320/20832 In Conference Abstracts: 3rd International Conservation Translocation Conference 2023, Fremantle pp. 28. https://library.dbca.wa.gov.au/secure/StaffOnly/208320/20832 taxonomy and systematics. In Biosystematics 2023, 26-30 0.006.pdf

Gibson Vega A, Sun R, Van der Weyde L, Cowen S, Ottewell K (2023). Using scats to estimate population density of 'trapshy' banded hare-wallabies (Lagostrophus fasciatus). In Program: Biodiversity Conference 2023, 10-12 October 2023, presentation at WA Weeds Symposium, 11-12th October Perth, Australia pp. 1.

https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456 https://library.dbca.wa.gov.au/FullTextFiles/207355.002.pdf

Gosper C (2023). Weed management by DBCA. PowerPoint presentation at WA Weeds Symposium, 11-12th October 2023, CSIRO ARRC, Kensington. pp. 1-18.

https://library.dbca.wa.gov.au/FullTextFiles/207355.001.pdf

Grealy A, Harrop T, Schmidt-Lebuhn A, Crayn D, Orel H, Holmes G et al. [Wege J] (2023). Cost-effective target sequence capture through drastically miniaturised DNA libraries and automatisation: a head-to-head test. In Biosystematics 2023, 26-30 November 2023, Canberra: Abstract Book pp. 52.

https://library.dbca.wa.gov.au/secure/StaffOnly/208317/20831

Harrison N, Phillips B, Mitchell N, Lacey P, Wayne A (2023). Fitness consequences of weakened anti-predator responses: experimental release of havened and non-havened woylies (Bettongia penicillata ogilbyi to inform conservation management. In 69th Annual Scientific Meeting of the Australian Mammal Society: Conference Program and Abstracts pp. 1.

Harrison N, Phillips B, Mitchell N, Lacey P, Wayne A (2023). Fitness consequences of weakened anti-predator responses: experimental release of havened and non-havened woylies (Bettongia penicillata ogilbyi to inform conservation management. In Newsletter of the Australian Mammal Society 4.008.pdf Nov pp. 24.

https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0804

Harrison N, Phillips B, Mitchell N, Wayne A (2023). Fitness consequences of weakened anti-predator responses: experimental release of havened and non-havened woylies (Bettongia penicillata ogilbyi) to inform conservation management. In Conference Abstracts: 3rd International Conservation Translocation Conference 2023, Fremantle pp. 29-30. https://library.dbca.wa.gov.

Harrison N, Phillips B, Mitchell N, Wayne A (2023). Fitness consequences of weakened anti-predator responses: experimental release of havened and non-havened woylies Friend T, Macmahon B, Hill R, Thomas N, Lawson J, McLean management. In Program: Biodiversity Conference 2023, 10-12 October 2023, Perth, Australia pp. 1.

https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456

Hopkins A, Treloar S, Stover R, Davis R, Ottewell K, Lohr C et al. (2023). What can we do with poo?: using molecular https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0804 analysis of scats to inform mammal conservation . In Program : Biodiversity Conference 2023, 10-12 October 2023, Perth, Australia pp. 1.

https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456

Hopkins A, Treloar S, Stover R, Davis R, Ottewell K, Lohr C et al. [Cowen S] (2023). Using molecular analysis of scats to https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456 inform mammal conservation. In Conference Abstracts: 3rd International Conservation Translocation Conference 2023. Fremantle pp. 33.

James SA, Wallis E (2023). Backlogs and botanical survey: streamlining data delivery in an under-collected region for November 2023, Canberra: Abstract Book pp. 67. https://library.dbca.wa.gov.au/secure/StaffOnly/208317/20831 7.005.pdf

Keighery G (2023). Weeds of Western Australia. PowerPoint 2023, CSIRO ARRC, Kensington. pp. 1-30.

Keighery G (2023). Where east meets west: plants and plant communities of Perth Airport precinct. PowerPoint presentation at Perth Airport Environmental Committee annual meeting, 1st December 2023. 27 pp.

https://library.dbca.wa.gov.au/FullTextFiles/208222.pdf

Knight KJ (2023). Licea pygmaea in Australia grows in straight lines. In 11th International Congress On the Systematics and Ecology of Myxomycetes, Estonia 28-31 August 2023 1 video (25.20 min.).

Know F, Cowen S, Sims C, Warren K, Yeap L, Vaughan-Higgins R (2023). Why should we give a rats?: opportunities, challenges and benefits in the application of an Australian rodent disease risk analysis. In Conference Abstracts: 3rd International Conservation Translocation Conference 2023. Fremantle pp. 35.

https://library.dbca.wa.gov.au/secure/StaffOnly/208320/20832

Lawrie A, Chaplin J, Kirkendale L, Whisson C, Pinder A, Mlambo M (2023). Phylogenetic assessment of the halophilic https://library.dbca.wa.gov.au/secure/StaffOnly/208054.003.pd Australian gastropod Coxiella and South African Tomichia resolves taxonomic uncertainties, uncovers new species and supports a Gondwanan link. In Program: Biodiversity Conference 2023, 10-12 October 2023, Perth, Australia pp. 1. https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456

> Lewandrowski W, Tudor E, Ajduk H, Tomlinson S, Stevens JC (2023). Integrating ecophysiology with high resolution edaphic niche models to inform conservation of the range restricted Aluta guadrata. In Program: Biodiversity Conference 2023. 10-12 October 2023, Perth, Australia pp. 1.

https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456

Liddicoat C, Cando-Dumancela C, Peddle S, Brame J, Robinson J, Krauss S et al. (2023). Soil microbiota: connecting ecosystem restoration to human health.

PowerPoint presentation at SER 2023: 10th World ConferenceMurphy DJ, Maslin B, Allnutt T, McLay T (2023). Acacia on Ecological Restoration, September 26-30, Darwin. 28 pp. https://library.dbca.wa.gov.au/FullTextFiles/204119.001.pdf

Masarei M, Astfalck LC, Guzzomi AL, Merritt DJ, Erickson TE (2023). The value of seed enhancements in restoration. Abstract of presentation at SER 2023: 10th World Conference https://library.dbca.wa.gov.au/secure/StaffOnly/208317/20831 on Ecological Restoration, September 26-30, Darwin. pp. 1. https://library.dbca.wa.gov.au/FullTextFiles/204119.002.pdf

Mathews D, Pigram L, Gleiss A, Hounslow J, Kobryn H, Hughes M et al. [Fossette S, Whiting S, Crook K, Raudino H, Waples K] (2023). integrating ecological, social and cultural values of WA's coastal waters: the case of dugong and turtle on Yawuru Nagulagun. In Program: Biodiversity Conference 2023, 10-12 October 2023, Perth, Australia pp. 1.

4.002.pdf

McGrath G, Venarsky M, Huntley B (2023). Salted, cured and baked: 45 years of salinity and hydrological change in southwest Australia's wetlands. In Program: Biodiversity Conference 2023, 10-12 October 2023, Perth, Australia pp. 1. Nistelberger HM, Roycroft E, Macdonald AJ, McArthur S, https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456 White LC, Grady PGS et al. [Sims C, Cowen S, Byrne M, 4.013.pdf

Middleton S, Davis R, Travouillon K, Umbrello L, Mills H. Hopkins A (2023). Are they one or are they many?: morphological diversity among an iconic Australian possum species (Trichosurus vulpecula). In Posters : Biodiversity Conference 2023, 10-12 October 2023, Perth, Australia pp. 1. https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456 Nordstrom B, Cornish C, Budd A, Mitchell N, Byrne M, 4.028.pdf

Millar M, Shelley McArthur S, Prada D, Ottewell K (2023). From scats to stats: the development and applications of scat genetic monitoring. In Conference Abstracts: 3rd International Conservation Translocation Conference 2023, Fremantle pp. Conservation Translocation Conference 2023, Fremantle pp.

https://library.dbca.wa.gov.au/secure/StaffOnly/208320/20832 Ottewell K, Gibson Vega A, Millar M, Van der Weyde L,

Miller B, Fontaine JB, Tangney R, McCaw L, Hollis JJ (2023). Analysing fire history data to assess evidence on the effectiveness of prescribed burning in mitigating wildfire likelihood in SW forests. In Program: Biodiversity Conference Conservation Translocation Conference 2023, Fremantle pp. 2023, 10-12 October 2023, Perth, Australia pp. 1. https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456 https://library.dbca.wa.gov.au/secure/StaffOnly/208320/20832 4.004.pdf

Miller R, Miller B (2023). Fire ecology in the urban bushlands of Perth. In Program: Biodiversity Conference 2023, 10-12 October 2023, Perth, Australia pp. 1.

https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456 Program and Abstracts pp. 1.

Mills H, Lambert C, Goad T, Shaw L, Power V, Mawson P (2023). Low-tech vibrating machine stimulates hatching in captivity for a critically endangered turtle and egg-laying for threatened frog species . In Program : Biodiversity Conference in boodies from Faure Island. In Newsletter of the Australian 2023, 10-12 October 2023, Perth, Australia pp. 1. https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456 https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0804

Moore G, Munday C, Barua P (2023). Risk of agricultural plants becoming environmental weeds in the northern rangelands. In Australian Rangeland Society 22nd Biennial Conference, Broome, 18-22 September 2023 pp. 100. https://library.dbca.wa.gov.au/secure/StaffOnly/208667/20866 Assessing diet and habitat requirements of Gilbert's potoroo 7.003.pdf

4.024.pdf

Moore H (2023). Where there's smoke there's cats: long unburnt habitat is crucial to mitigating the impacts of cats on the greater bilby. In ESA 2023 Program: Ecological Society of https://library.dbca.wa.gov.au/secure/StaffOnly/208054.005.pd Australia, Darwin, NT, 3-7 July pp. 1.

phylogenomics: an initial assessment using the Angiosperms353 target capture bait set. In Biosystematics 2023, 26-30 November 2023, Canberra: Abstract Book pp.

Nilsson K, Pearson D, Paxman M, Desmond A, Kennington J, Byrne M et al. [Ottewell K] (2023). Translocations restore a population of a threatened rock-wallaby and bolster its genetic diversity. In Program: Biodiversity Conference 2023, 10-12 October 2023, Perth, Australia pp. 1.

https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456

Nistelberger H, Roycroft E, McArthur S, Macdonald AJ, White LC, Grady P et al. [Sims C, Cowen S, Byrne M, Ottewell K] https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456 (2023). Genetic mixing in conservation translocations recovers diversity of a keystone threatened species, Bettongia lesueur. Abstract presented at the XXIIIrd International Congress of Genetics, 16-21 July 2023, Melbourne. pp. 1.

https://library.dbca.wa.gov.au/FullTextFiles/204117.001.pdf

Ottewell K1 (2023). Genetic mixing in conservation translocations recovers diversity of a keystone threatened species, Bettongia lesueur. PowerPoint presented at the XXIIIrd International Congress of Genetics, 16-21 July 2023, Melbourne. 14 pp.

https://library.dbca.wa.gov.au/FullTextFiles/204117.001.a.pdf

Kuchling G (2023). Assisted colonisation of the critically endangered western swamp turtle: insights from non-invasive eDNA approaches. In Conference Abstracts: 3rd International 51-52.

https://library.dbca.wa.gov.au/secure/StaffOnly/208320/20832

Cowen S (2023). Estimating population density of trap-shy banded hare-wallabies (Lagostrophus fasciatus) using faecal DNA analysis. In Conference Abstracts: 3rd International

Palmer B, Bourne A, Hyndman T, Forshaw D, Knox F (2023). Warts this?: pigmented ear lesions and a novel papillomavirus in boodies from Faure Island. In 69th Annual Scientific Meeting of the Australian Mammal Society: Conference

https://library.dbca.wa.gov.au/secure/StaffOnly/208054.001.pd

Palmer B, Bourne A, Hyndman T, Forshaw D, Knox F (2023). Warts this?: pigmented ear lesions and a novel papillomavirus Mammal Society Nov pp. 37-38.

Pinder A, Quinlan K, Lyons M (2023). Desert wetlands: just add water. In Program: Biodiversity Conference 2023, 10-12 October 2023, Perth, Australia pp. 1.

https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456

Quah R. Davis R. Courtenay J. Mills H. Hopkins A (2023). using eDNA for the selection of future translocation sites. In 69th Annual Scientific Meeting of the Australian Mammal Society: Conference Program and Abstracts pp. 1.

Quah R, Davis R, Courtenay J, Mills H, Hopkins A (2023). https://library.dbca.wa.gov.au/secure/StaffOnly/204549.004.pd Assessing diet and habitat requirements of Gilbert's potoroo using eDNA for the selection of future translocation sites. In

Newsletter of the Australian Mammal Society **Nov** pp. 39. https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0804 Barnes M et al. (2023). Evaluating the success of assisted 22/080422-2023.11.004.pdf

Radford I (2023). Tropical savanna vegetation trends after a decade of changing climate and regional adaptive management. In ESA 2023 Program: Ecological Society of Australia, Darwin, NT, 3-7 July pp. 1.

Rahman M, Chaplin J, Pinder A (2023). Unravelling the biodiversity of Australian salt lakes: molecular phylogeny of Mytilocypridinae giant ostracods. In Program: Biodiversity Conference 2023, 10-12 October 2023, Perth, Australia pp. 1. https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456 https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456 4.006.pdf

Rayner K, Cowen S, Sims C, Garretson S (2023). POV make it happen: sharing experiences and strategies for converting best laid plans to on the ground success from the first six years of Return to 1616. In Program: Biodiversity Conference https://library.dbca.wa.gov.au/secure/StaffOnly/208317/20831 2023, 10-12 October 2023, Perth, Australia pp. 1. https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456 stats: the development and applications of scat genetic 4.007.pdf

Rayner K, Gibson Vega A, Cowen S, Hall M, Burbidge A (2023). Wren round-up: implementing the successful translocation of western grasswrens to Dirk Hartog Island. In Abstracts AOC2023 pp. 74.

A (2023). Wren round-up: the ups and downs of incorporating Conference, 18-22 September, Adelaide pp. 1. innovation into a translocation. In 2023 Bush Heritage Science https://library.dbca.wa.gov.au/secure/StaffOnly/208054.002.pd Fair, Hamelin Station Reserve, 19 August 2023 29 pp. https://library.dbca.wa.gov.au/FullTextFiles/206748.pdf

Rick K, Ottewell K, Travouillon K, Mitchell N (2023). From islands to mainland: understanding population structure and genetic variation in relictual, geographically isolated October 2023, Perth, Australia pp. 1.

Rick K, Ottewell K, Travouillon K, Mitchell N (2023). Juggling population divergence and genetic mixing in translocations. In Conference Abstracts: 3rd International Conservation Translocation Conference 2023, Fremantle pp. 63. https://library.dbca.wa.gov.au/secure/StaffOnly/208320/20832 4.015.pdf 0.022.pdf

Robert K, Williams-Kelly K, Ross R, Anderson B, Rayner K, Cowen S (2023). WildTrack: a long range (LoRa) radio and Internet of Things (IoT) system for passive tracking of translocated wildlife. In Conference Abstracts: 3rd International Conservation Translocation Conference 2023. Fremantle pp. 63-64.

https://library.dbca.wa.gov.au/secure/StaffOnly/208320/20832

Ruthrof K, McGrath G, van Dongen R, Veber W, Brennan S, Fontaine J (2023). Quantifying responses to forest thinning. In Abstract Book pp. 141. ESA 2023 Program: Ecological Society of Australia, Darwin, NT, 3-7 July pp. 1.

Holmes G et al [Shepherd KA] (2023). Inferring the Australian Angiosperm Tree of Life: paralogy, phylogenetics and technical hiccups along the way. In Biosystematics 2023, 26-30 November 2023, Canberra: Abstract Book pp. 122. https://library.dbca.wa.gov.au/secure/StaffOnly/208317/20831 Zerdoner Calasan A, Krak K, Mandák B, Shepherd KA, 7.006.pdf

Schubert K, Tiernan B, Mitchell N, Jankowski A, Flores T, colonisation trials to the Cocos (Keeling) Islands for an extinct in the wild skink. In Conference Abstracts: 3rd International Conservation Translocation Conference 2023, Fremantle pp.

https://library.dbca.wa.gov.au/secure/StaffOnly/208320/20832

https://library.dbca.wa.gov.au/secure/StaffOnly/204549.006.pd Shaw R, Bettink K, Durack M, Kruger M, Lacey P, MacMahon B et al. [Ottewell K] (2023). Understanding sources of feral cats in Dryandra Woodland through DNA analysis. In Program : Biodiversity Conference 2023, 10-12 October 2023, Perth, Australia pp. 1.

> Shelton LRJ, Dakin N, Cockerton G (2023). Persoonia angustiflora? I hardly knew her!: reinstatement of a Western Australian taxon. In *Biosystematics* 2023, 26-30 November 2023, Canberra: Abstract Book pp. 124.

Sun R, McArthur S, Prada D, Ottewell K (2023). From scats to monitoring. In Program: Biodiversity Conference 2023, 10-12 October 2023, Perth, Australia pp. 1.

https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456

Taylor M, Wayne A, Armstrong N, Calver M, Bryant K (2023). Goldilocks goes camera tapping: optimising camera trap https://library.dbca.wa.gov.au/secure/StaffOnly/208218.002.pd survey design to improve population estimates of chuditch Rayner K, Gibson Vega A, Cowen S, Hall M, Moir C, Burbidge (Dasyurus geoffroii). In Australian Mammal Society

Taylor M, Wayne A, Armstrong N, Calver M, Bryant K (2023). Goldilocks goes camera tapping: optimising camera trap survey design to improve population estimates of chuditch (Dasyurus geoffroii). In Australian Mammal Society Conference, 18-22 September, Adelaide pp. 46-47. populations. In *Program : Biodiversity Conference* 2023, 10-12 https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0804 22/080422-2023.11.005.pdf

https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456 Utber D, Comer S, Thomas A, Burbidge A (2023). Landscapescale conservation for recovery of kyloring, a critically endangered parrot. In Program: Biodiversity Conference 2023, 10-12 October 2023, Perth, Australia pp. 1. https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456

> Van Dongen R, Densmore V, Deshayes A, Jabbour S, Huntley B, Miller B (2023). Burn severity: advancing fire spatial data. In Program: Biodiversity Conference 2023, 10-12 October 2023, Perth, Australia pp. 1.

https://library.dbca.wa.gov.au/secure/StaffOnly/204564/20456

Webb AT, Birch JL, Barrett RL, Macfarlane, TD (2023). Twisted flowers and tales to match: phylogenetic inference of Australian Caesia (Asphodelaceae, Hemerocallidoideae). In Biosystematics 2023, 26-30 November 2023, Canberra:

https://library.dbca.wa.gov.au/secure/StaffOnly/208317/20831

Williams-Kelly K, Berry L, Branch K, Cowen S, Garretson S, https://library.dbca.wa.gov.au/secure/StaffOnly/204549.003.pdHolland G et al. [Rayner K, Sims C, Van der Weyde L] (2023). Schmidt-Lebuhn A, Al Bkhetan Z, Allnutt T, Barrett M, Bragg J, Personality and translocation success in a threatened rodent. In Conference Abstracts: 3rd International Conservation Translocation Conference 2023, Fremantle pp. 82-83. https://library.dbca.wa.gov.au/secure/StaffOnly/208320/20832 0.025.pdf

> Kadereit G (2023). Evolutionary history of Australian Chenopodium alliance. In Biosystematics 2023, 26-30 November 2023, Canberra: Abstract Book pp. 20. https://library.dbca.wa.gov.au/secure/StaffOnly/208317/20831

Reports/Chapters

Baker J, Trayler K, Cosgrove J, Thompson S, Muller, S. (2023). Swan Canning estuary: indicators and targets: supporting document to the Swan Canning River Protection Strategy five year review, 2022. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 57 p. https://library.dbca.wa.gov.au/FullTextFiles/208502.pdf

Barrett A, Pinder A (2023). Aquatic invertebrate survey of Kurriji Pa Yajula Nature Reserve and adjacent soaks on Karajarri Indigenous Protected Area, Great Sandy Desert, September 2022. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 16 p.

https://library.dbca.wa.gov.au/FullTextFiles/206150.pdf

Burrows N, Kristina A, Negreiros A, Thoomes E (2023). Spinifex fuel moisture survey, Great Victoria Desert, 11-19 September 2023. N. Burrows, Perth 13 p.

https://library.dbca.wa.gov.au/FullTextFiles/208157.pdf

Cowen S, Van der Weyde L, Smith M, Rayner K, Gibson Vega Attractions, Kensington, W.A. 80 p. A, Sims C (2023). Dirk Hartog Island National Park Ecological Restoration Project: Stage Two - Year Five Translocation and Monitoring Report June 2022 to June 2023. Department of Biodiversity, Conservation and Attractions, Woodvale, W.A. 61 genomics of the critically endangered Gilbert's potoroo: p. https://library.dbca.wa.gov.au/FullTextFiles/208505.pdf

Crawford A (2023). The Western Australian Seed Centre, Kensington: the woolly Lysiosepalum, Lysiosepalum abollatum. In Australian Seed Bank Partnership Annual Report Palmer R (2023). Camera trap survey of Carnac Island for

https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0826 92/082692-2022-2023.002.pdf

Dunlop J, Craig M, Moore H, Cowan M, Gibson L (2023). Pilbara Northern Quoll Research Program: a review of progress (2016-2021). Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 47 p. https://library.dbca.wa.gov.au/FullTextFiles/205596.pdf

English V (2023). Initial assessment of risk of burning and mechanical fire mitigation activities, and guidelines for best practice burning in threatened ecological communities in Western Australia. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 19 p.

https://library.dbca.wa.gov.au/secure/StaffOnly/206756.pdf

Huntley B, Zdunic K, Bell S (2023). Geographe Bay seagrass mapping technical report. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 14 p. https://library.dbca.wa.gov.au/secure/StaffOnly/207776.pdf

James SA, Davis R, Gugiatti R (2023). Wudjari Country (Esperance) bush blitz: flora, 27 March-5 April 2023. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 13 p.

James SA, Gugiatti R (2023). Tjiwarl (Leinster) bush blitz, flora: 28 August-8 September 2023. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 14 p.

Lyons MN (2023). Assessment of vegetation and flora values of UCL on the Exmouth Gulf coast south of Exmouth townsite. , Kensington, W.A. 15 p.

https://library.dbca.wa.gov.au/secure/StaffOnly/207265.pdf

Moore H, Carpenter F, McArthur S, Cowan M, Angus J, Ottewell K et al. [Gibson L, Dziminski M] (2022). Bilby abundance monitoring at Warralong, Western Australia, 2021. (Lambertia orbifolia subsp. pecuniosa). Landscope Department of Biodiversity, Conservation and Attractions,

Woodvale, W.A. 18 p. https://library.dbca.wa.gov.au/FullTextFiles/208127.pdf

Moore H, Gibson L (2023). Warralong feral cat monitoring, 2022. 24 p.

https://library.dbca.wa.gov.au/FullTextFiles/208130.pdf

Moore H, Ottewell K, Fandino D, Gibson L (2023). Bilby abundance monitoring at Warralong, Western Australia, 2022. Department of Biodiversity, Conservation and Attractions, Woodvale, W.A. 16 p.

https://library.dbca.wa.gov.au/FullTextFiles/208128.pdf

Northover A, Dziminski M, Moore H, Palmer R, Ottewell K, Carpenter F et al. [Gibson L] (2023). The Pilbara bilby (Macrotis lagotis) Research Program: a review of progress (2013-2023). Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 63 p.

https://library.dbca.wa.gov.au/FullTextFiles/206618.pdf

Northover A, Palmer R, Burbidge AH, Pearson D, Dziminski M, Ottewell K et al. [Prada P, Umbrello L, Gibson L] (2023). Summary of knowledge for six faunal species that are Matters of National Environmental Significance in the Pilbara, Western Australia. Department of Biodiversity, Conservation and

https://library.dbca.wa.gov.au/FullTextFiles/206614.pdf

Ottewell K, Friend T, Millar M, Sun R (2023). Population summary report to Gilbert's Potoroo Acton Group. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 34 p.

https://library.dbca.wa.gov.au/secure/StaffOnly/207358.pdf

invasive rodents, winter 2023. Department of Biodiversity, Conservation and Attractions, Kensington, W.A. 14 p. https://library.dbca.wa.gov.au/secure/StaffOnly/208193.pdf

Wayne A, Chambers B, Maxwell M, Sullivan D, Ward C (2023). Felixer™ grooming trap trial, 2020–23: feral cat control for threatened fauna conservation in the southern jarrah forests, Western Australia: final report. 76 p. https://library.dbca.wa.gov.au/FullTextFiles/206886.pdf

Popular (Landscope, Newsletters, Letters, etc.)

English V (2023). The final listing of threatened ecological communities: a remarkable history. Bushland News 127 3-5. https://library.dbca.wa.gov.au/Journals/080662/080662-127.001.pdf

Funnekotter B (2023). Freezing plants for the future. For People and Plants 123 30-33.

https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0819 James SA (2023). Discovering collections. Landscope 39(2)

34. https://library.dbca.wa.gov.au/Journals/080052/080052-39.015.pdf

Krauss S (2023). Kings Park scholars shine through summer. For People and Plants 122 26-29.

https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0819

Mancera R, Funnekotter B (2023). The future of cryobiotechnology. the Future of (Curtin's Research Podcast) 1 podcast (37.14 mins). Curtin University, Bentley, W.A.

Monks L, Townsend C, Crawford A, Binks R, Durell G (2023). A match(stick) made in heaven. Landscope 39(2) 28-33. https://library.dbca.wa.gov.au/Journals/080052/080052-

Monks L, Webb A (). Discovered Penny-leaved honeysuckle

Parker CM, Davis RW (2023). Plant of the month, August 2023: Lechenaultia macrantha K.Krause. 2 Department of Biodiversity, Conservation and Attractions, Kensington, W.A. https://library.dbca.wa.gov.au/Journals/081093/081093-2023.08.pdf

Parker CM, Davis RW (2023). Plant of the month, December 2023: Drosera nitidula Planch.. 2 Department of Biodiversity, Conservation and Attractions, Kensington, W.A.

https://library.dbca.wa.gov.au/Journals/081093/081093-

Parker CM, Davis RW (2023). Plant of the month, July 2023: Lachnostachys verbascifolia F.Muell. var. verbascifolia. 2 Department of Biodiversity, Conservation and Attractions, Kensington, W.A.

https://library.dbca.wa.gov.au/Journals/081093/081093-

Parker CM, Davis RW (2023). Plant of the month, June 2023: Hakea conchifolia Hook.. 2 Department of Biodiversity, Conservation and Attractions, Kensington, W.A. https://library.dbca.wa.gov.au/Journals/081093/081093-

Parker CM, Davis RW (2023). Plant of the month, November 2023: Callistachys lanceolata Vent.. 2 Department of Biodiversity, Conservation and Attractions, Kensington, W.A. https://library.dbca.wa.gov.au/Journals/081093/081093-2023.11.pdf

Parker CM, Davis RW (2023). Plant of the month, October 2023: Anigozanthos preissii Endl.. 2 Department of Biodiversity, Conservation and Attractions, Kensington, W.A. https://library.dbca.wa.gov.au/Journals/081093/081093-2023.10.pdf

Parker CM, Davis RW (2023). Plant of the month, September 2023: Prostanthera magnifica C.A.Gardner. 2 Department of Biodiversity, Conservation and Attractions, Kensington, W.A. https://library.dbca.wa.gov.au/Journals/081093/081093-2023.09.pdf

Parker CM, Davis RW (2024). Plant of the month, January 2024: Echinopogon ovatus (G.Forst.) P.Beauv.. 3 Department hotspot. Conservation Genetics of Biodiversity, Conservation and Attractions, Kensington, W.A. https://library.dbca.wa.gov.au/Journals/081093/081093-2024.01.pdf

Raudino HC (2023). Under the sea, marine marvels: mammals making a splash!. Cosmos Online 4 Aug 1-7. https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0826 24/082624-2023.003.pdf

Rye BL, Keighery GJ (2023). Hypocalymma (Endl.) Endl.. https://library.dbca.wa.gov.au/FullTextFiles/203209.014.pdf

pollination quest. For People and Plants 124 26-27. https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0819 99/081999-124.001.pdf

Sinclair E, Jones W (2023). Restoring a seagrass ecosystem. For People and Plants 122 30-33.

Tudor E, Lewandrowski W, Stevens J (2023). Beneath the bark: exploring the rhythm and cues of our urban trees. For People and Plants 124 30-33.

https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0819

Watson C, Thomas A, Berryman A, Burbidge A, Utber D (2023). Update on kyloring recovery, December 2023. Friends Davis RA, Greenwell C, Davis BJ, Bateman PW (). Liked to of the Western Ground Parrot Newsletter 96 p. 2-5. https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0810 biodiversity. Conservation Letters 88/081088-96.001.pdf

Whelehan L, Au E (2023). Conservation secrets frozen in time. For People and Plants 124 28-29.

Whelehan L, Au E (2023). Conservation secrets frozen in time. For People and Plants 124 28-29.

https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0819

Submitted

Anderson BM, Binks RM, Butcher R, Byrne M, Crawford AD, Macfarlane TD et al. [Rye BL, Shepherd KA] (). Using genomic tools to explore diversity in Southwest Australian plants of conservation concern. In XX International Botanical Congress, Madrid, Spain, 21-27 July 2024

Anderson N, Tudor EP, Turner SR, Tomlinson S, Lewandrowski W (). Geographic variation in reproductive traits and germination-niche dynamics in conservation-dependant Banksia arborea populations restricted to Banded Ironstone Formations. Flora

Barrett RL, Clugston JAR, Orthia LAE, Cook LG, Crisp MD, Lepschi BJ et al [Macfarlane, TD, Wilkins CF] (). 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

Barrett S, Yates CJ, Dillon R, Dilly M, Varcoe B, Martin D et al. [Gosper CR] (). Mitigation of disease and browsing impacts, and translocation, supports post-fire threatened flora recovery. Australian Journal of Botany

Brace AJ, Fontaine JB, Ruthrof KX, Miller BP, Hopkins AJM (). 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 (). Genomic and morphological evidence do not support taxonomic recognition of the Critically Endangered scalyleaved featherflower, Verticordia spicata subsp. squamosa (Myrtaceae): implications for conservation in a biodiversity

Burbidge AH, Ford S, King J, Blythman M, van Dongen R (). Population estimates of threatened birds on Dirk Hartog Island: going beyond census to density surface models. Journal of Field Ornithology

Buyck B, Hofstetter V, Horak E, Cooper J, Bougher NL (). The search for Australian relatives of the eucalypt-associated Russula prolifica (Russulales) from Madagascar reveals new Oceanian taxa in subsection Auratinae. Taxonomy Australia

Crayn DM, Simpson L, Allnutt TR, Baker WJ, Barrett M, Brown Scaccabarozzi D (2023). Captivating Queen of Sheba inspires G et al. [Shepherd KA] (). What can we do with a continental tree?. In IBC2024 XX International Botanical Congress Madrid, Spain 21-27 July 2024 Https://lbcmadrid2024Com/IndexPhp

da Silva IA, Merritt DJ, Erickson TE, Mayfield MM, Dwyer JM (). Annual species' experimental germination responses to https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0819 light and temperature do not correspond with their microhabitat associations in the field. Journal of Vegetation

> Dalziell EL, Tomlinson S, Merritt DJ, Lewandrowski W, Turner SR, Withers PC (). Metabolic rate of angiosperm seeds: Effects of allometry, phylogeny and bioclimate. AoB Plants

death: the impacts of social media and photography on

de Visser RSJ, Hall M, Ottewell K, Pierson JC, Sanders A, Friend JA et al. (). Remnant wild kenngoor (Marsupialia: Dasyuridae: Phascogale calura) populations retain genetic https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0819 connectivity and genetic diversity in a highly fragmented

endemic Australian turtle. Endangered Species Researchspecial Issue- Flatback Turtles

(). Megafire impacts are mediated by protected areas, rainfall, P, Grootemaat S et al. (). A framework for defining fire danger and fire regimes. Nature

Elliott C (). Beyond the Guidelines: designing resilient, persistent plant translocations.

Friends of Kings Park Magazine

Filipe JC, Rymer PD, Byrne M, Hardy G, Mazanec R, Ahrens CW (). Signatures of natural selection in a foundation tree along Mediterranean climatic gradients. In XXIII International Congress of GeneticsMelbourne, 16-21 July 2023

Fomichev CI, Macfarlane TD, Briggs BG, Sokoloff DD (). Homology-based approach in assessing morphological diversity of Restionaceae. In Abstracts Book, 20th International Botanical Congress, Madrid, 2024

Fossette S, D. Tucker AD, Whiting A, Douglas R, Gee J, Howlett K et al. [Prince RT, Whiting S] (2023). Reducing the impact of tagging on flatback turtles using double passive integrated transponder tags. Chelonian Conservation and Biology 22 1-8.

https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0803

Gammon M, Bentley B, Fossette S, Mitchell N (). Reconstructed and projected beach temperatures reveal where flatback turtles are most at risk from climate change. Global Change BiologyTBD

Garnett ST, Burbidge AH, Pruett-Jones S (). Trends and lessons from thirty years of Australian threatened bird action plans. EmuAustral Ornithology

Goetze JS, Heithaus MR, MacNeil MA, Harvey E, Simpfendorfer CA, Heupel MR, et al. [Wilson S] (). Directed conservation of the world's sharks and rays. Nature

Good MK, Rumpff L, Fraser H, Gould E, Jones CS, Prober SMWestern Australia. Western Australian Naturalist et al. [Byrne M, Gosper CR, Yates C] (). A structured approach for building multi-community state-and-transition models to support conservation planning. Conservation Biology. Conservation Biology

Gosper CR, Yates CJ, Wiehl G, O'Donnell A, Prober SM (). Multi-century times since fire and prior fire interval determine biomass carbon stocks in obligate-seeder eucalypt woodlands. International Journal of Wildland Fire

Grootemaat S, Matthews S, Kenny BJ, Runcie JW, Hollis JJ, Sauvage S et al. (). Live trial performance of the Australian Fire Danger Rating System- Research Prototype. International November 2023 update. Will Be Distributed By Cane Toad Journal of Wildland Fire

Guildea C, Fossette S, Simpson T, McDonald S, Samuelraj N, Lawrie AD, Chaplin J, Rahman M, Islam MA, Pinder A (). Gee J et al [Scott Whiting] (). Connecting young people to Country through marine turtle conservation: Exploring case studies in regional Western Australia. Marine and Freshwater Hydrobiologia Research

J et al. (). The quick and the dead: behavioural plasticity of anti-predator responses in an endangered mammal. Conservation Letters

Harrison ND, Wayne AF, Mitchell NM, Phillips BL (). Ignore rapid evolution at our peril. Biological Conservation

Hobday AJ, van Putten EI, Cvitanovic C, Dunlop M, Fossette S, Ison S et al. [Tucker AD, Whiting SD] (). Flatback futures -Evaluating conservation interventions to reduce threats to an

Driscoll, D et al. [S. Barrett, R. Dillon, C.R. Gosper, C.J. Yates] Hollis JJ, Matthews S, Anderson WR, Cruz MG, Fox-Hughes to support fire management operations in Australia. International Journal of Wildland Fire

Hollis JJ, Matthews S, Fox-Hughes P, Grootemaata S, Heemstra S, Kenny BJ et al. (). Introduction to the Australian Elliott C, Krauss S (). Pollination in the Pilbara: Aluta guadrata. Fire Danger Rating System: Research Prototype. International Journal of Wildland Fire

> Hounslow J, Fossette S, Van Rooijen A, Tucker A, Whiting S, Gleiss A (). Incorporating behaviour into habitat suitability modelling; a case study for sea turtles. International Biologging Society Conference in Tokyo, March 2024 Huisman JM, Verbruggen H, Hossen R, Rybalka N, Entwisle TJ (). Morphological and molecular analyses of Vaucheria section Piloboloideae (Xanthophyceae: Vaucheriaceae) indicate alternative species identities for broadly distributed taxa. Phycologia

James SA (). Flash, beep, you're captured: New camera at PERTH. Newsletter Australasian Systematic Botany Society

James SA, Gardiner L, Horning A (). 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, Wallis E, Ung V, Blum S, Bloom D (). Biodiversity Information Standards: enabling data infrastructure. Proceedings of the 2024 International Botanical Congress XX (Madrid, 21-27 July 2024)

Karkarey R, Maire E, Graham NAJ, Parravicini V, Brandl SJ, Carlot J et al. [Goetze J, Holmes TH] (). Asynchronous population trends stabilize mesopredatory coral reef fish communities in the face of global change. *Ecology Letters* Keighery GJ, Keighery BJ (). Plant species naturalising in

Kelly F, Raudino H (). Yardiyarra (dugong) distribution, population size and health at Nyinggulu. Ningaloo DBCA Newsletter

Kenny BJ, Matthews S, Sauvage S, Grootemaata S, Hollis JJ, Fox-Hughes P (). Australian Fire Danger Rating System: Implementing fire behaviour calculations to forecast fire danger in a Research Prototype. International Journal of Wildland Fire

Kinloch J (). Habitat suitability of Varanus panoptes -Strategy Team to Project Partners

Experimental and field evidence suggests extreme salinity tolerances in Coxiella gastropods from Australian salt lakes.

Lewandrowski W, Tudor EP, Ajduk H, Tomlinson S, Stevens Harrison N, Frick C, Wayne A, Mitchell N, Valentine L, Wayne JC (). 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

> Lohr CA, Nilsson K, Johnson A, Pittway B, Hamilton N, Onus M et al. [Algar D] (). Lures change the detectability of feral cats on the arid landscape. Biological Invasions

https://library.dbca.wa.gov.au/secure/StaffOnly/Journals/0806 76/080676-26.001.pdf

Márqueza MC, Harvey ES, Goetze JS (). An Exploration of Shark Folklore Across Cultures and Conservation Opportunity, desiccation-resistant eggs to study the taxonomy and ecology Conservation Science and Practice

Matusick G, Fontaine JB, Hardy G, Ruthrof KX (). Causes of eucalyptus dieback and decline in southern Australia. Current Rajapakshe RPVGSW, Tomlinson S, Tudor EP, Turner SR, Forestry Reports

McGrath GS (). Salinity variation with water level in shallow lakes. Science

Miller R, Enright N, Fontaine J, Merritt D, Miller B (). Plant life history data as evidence of an historical mixed-severity fire regime in Banksia woodlands. Australian Journal of Botany

Moore H. Yawuru Country Managers, Bardi Jawi Oorany Rangers, Nyul Nyul Rangers, Nykina Mangala Rangers, Gibson LA et al. [Dziminski MA, Carpenter FM] (). Dampier Peninsula Greater Bilby Main Roads offset project. In DBCA

Müller MF, Baker CJ, Banks S, Campbell MA, Crewe TL, Kaestli M et al. [Radford IJ] (). 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. (). Extreme heat perturbs free-ranging activity turtle conservation strategies: a mismatch between most in tropical savanna passerines. Global Change Biology

Munro TP, Erickson TE, Nimmo DG, Dadzie FA, Muñoz-Rojas M, Price JN (). Enhancing native seedling establishment on degraded agricultural land with topsoil pellets. Plant and Soil

Munro TP, Erickson TE, Nimmo DG, Price JN (). Assessing seed pellet formulations to improve native plant restoration under water limited conditions. Restoration Ecology

Northover AS, Dziminski MA, Carpenter FM, Moore HA, Ottewell K, Palmer R et al. [Gibson LA] (). Informing conservation management of the bilby (Macrotis lagotis) in the Congress, August 20th to 26th, 2023, Brest Pilbara: a review of research and future directions. Australian Mammalogy

Northover AS, Godfrey SS, Lymbery AJ, Wayne AF, Keatley S, Ash A et al. (). The parasites of free-ranging terrestrial wildlife from Australia's south-west. Australian Journal of Zoology

Olde P, Binks R (). Grevillea kulikup (Proteaceae: Grevilleoideae: Hakeinae) a rare new species from south-west Western Australia. Telopea

Overton J, Ooi MKJ, Tangney R (). 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 (). Liasis olivaceus barroni (Pilbara olive python) diet. Herpetological ReviewNatural History Notes

Peel LR, Whiting SD, Pendoley K, Whittock PA, Ferreira LC, Thums M, et al. [Tucker AD, Fossette S] (). I still call Australia home: using satellite telemetry to inform the protection of flatback turtles in Western Australian waters. Ecosphere

Poschlod P, Mašková T, Chen S-C, Phartyal SS, Rosbakh S, Silveira FAO et al. [Dalziell E, Merritt D] (). 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 (). Assessing diet and habitat requirements of Gilbert's potoroo Tebbett SB, Bellwood DR, Bassett T, Cuttler MVW, Moustaka using eDNA for the selection of future translocation sites. In John Glover Symposium, Royal Society of Western Australia, 6-7 October 2023

Rahman M, Chaplin J, Lawrie A, Pinder A (). Using of giant ostracods (subfamily Mytilocypridinae) in Australian salt lakes. Hydrobiologia

Elliott CP, Lewandrowski W (). Same, same, but different: Dissimilarities in the germination niches of range-restricted endemics emerge despite microclimatic similarities. Conservation Physiology

Rastoin-Laplanea E, Salinas-de-Lenb P, Acua-Marrerob D, Goetze J, Saunders BJ, McKinley S et al. [Cundy M] (). 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

Richards SA, Cvitanovic C, Dunlop M, Fossette S, Thomas L, Tucker AD et al [Whiting SD] (). Identifying impactful sea turtle conservation strategies: a mismatch between most influential and most readily manageable life-stages. Endangered Species Research

Richards SA, Cvitanovic C, Dunlop M, Fossette S, Thomas L, Tucker AD, E. et al [Whiting SD] (). Identifying impactful sea influential and most readily manageable life-stages. Endangered Species Research

Rodger YS, Dillon R, Monro K, Pavlova A, Coates DJ, Byrne M et al. (). Benefits of outcrossing and their implications for genetic management of an endangered species with mixedmating system. Restoration Ecology

Rodriguez-Prieto C. De Clerck O. Huisman J. Leliaert F. Lin S-M (). Revisiting the systematics of the Grateloupia-complex (Halymeniales, Rhodophyta) based on cystocarp development and molecular phylogeny. In European Phycological

Sauvage S, Fox-Hughes P, Matthews S, Kenny BJ, Hollis JJ, Grootemaat S et al. (). Australian Fire Danger Rating System Research Prototype: A climatology. *International Journal of* Wildland Fire

Shaw RE, Brockett B, Neaves L, Ottewell K, Byrne M, (). 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] (). Conservation action is needed to halt pervasive genetic diversity loss. Nature

Simpson L, Crayn DM, Allnutt TR, Baker WJ, Barrett M, Brown G et al. [Shepherd KA] (). A consortium approach to building the Australian Angiosperm Tree of Life. In IBC2024 XX International Botanical Congress Madrid, Spain 21-27 July 2024 Https://lbcmadrid2024Com/IndexPhp

Sokoloff DD, Fomichev CI, Rudall PJ, Macfarlane TD, Remizowa MV (). 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 (). Eucalypt flower size and colour shaped more by pollination than abiotic environment. Proceedings of the Royal Society B

M, Wilson SK et al. [Evans RD] (). The limited role of herbivorous fishes and turf-based trophic pathways in the functioning of turbid coral reefs. Reviews in Fish Biology and **Fisheries**

Thorn S, Wills A, McCaw L (). 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

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

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

von Takach B, Cameron SF, Cremona T, Eldridge MDB, Fisher DO, Hohnen R et al. [Radford IJ, Umbrello LS] (). Conservation prioritisation of genomic diversity to inform management of a declining mammal species. *Biological Conservation*

Wallis EJ, Nargar K, James SA (). 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*

Wang J, Macfarlane TD (). The genus Lomandra Labill. (Asparagaceae: Lomandroideae) in New Guinea and lectotypification of the name Xerotes banksii R.Br.. *Blumea*

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

Watchorn D, Dickman CR, Greenville A, Wilson BA, Garkaklis MJ, Driscoll DA et al. [Doherty TS] (). Artificial refuges provide post-fire habitat for small vertebrates. *Biological Conservation*

Wilkins CF, Copeland LM, Shepherd KA (). Lasiopetalum prodigiosum (Malvaceae: Lasiopetaleae), an uncommon new species from central-eastern New South Wales to southeastern Queensland. Carolyn F. Wilkins, Lachlan M. Copeland and Kelly A. Shepherd. *Telopea*

(Https://OpenjournalsLibrarySydneyEduAu/TEL/Issue/View/11

Wilson P, Pattiaratchi C, Whiting S, Ferreira LC, Fossette S, Pendoley K et al. (). Predicting core areas of flatback turtle hatchlings and potential exposure to threats. *Endangered Species Research*

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

Zuntini AR, Carruthers T, Maurin O, Bailey PC, Leempoel K, Brewer GE et al. [Byrne M, Coffey SC, James SA, Macfarlane TD, Shepherd KA] (). Phylogenomics and the rise of the angiosperms. *Nature*

Contacts

BCS Assistant Director

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

111. 32 13 3014

Science Coordinator

McAuley, Rory B. rory.mcauley@dbca.wa.gov.au

Ph: 9219 9025

Biodiversity Knowledge

Rohl, Liesl liesl.rohl@dbca.wa.gov.au Ph: 9219 8572

Science Communications

Gill, Alan alan.gill@dbca.wa.gov.au

Ph: 9219 9025

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

DBCA Library

library@dbca.wa.gov.au

Ph: 9219 9058

Marine Science

Holmes, Thomas H.

thomas.holmes@dbca.wa.gov.au

DBCA Library

Wright, Lisa

lisa.wright@dbca.wa.gov.au

Ph: 9219 9091

Biodiversity Information Office (Acting)

Cechner, Rob

robert.cechner@dbca.wa.gov.au

Ph: 9219 8807