

SCIENCE COMMUNICATIONS

No. 30 (January 2012)

Science Division 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
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Science Communications lists titles of publications, reports etc prepared by Science Division staff. This issue is for the period August 2011-January 2012..

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Boer MM, Sadler RJ, Wittkuhn R, McCaw L, Grierson PF (2011). Quantifying the effectiveness of fuel management in modifying wildfire behaviour: recent examples from Western Australia and Victoria. In *Western Australian Bushfire Research Forum 2011, 12 and 13 October 2011: Book of Abstracts* p. 29. Department of Environment and Conservation, Kensington, WA.

Bougher NL (2011). New records of fungi and slime moulds at Kings Park, Perth, Western Australia. *Western Australian Naturalist* **28**, 24-42

Bougher NL, Matheny PB (2011). Two species of *Inocybe* (fungi) introduced into Western Australia. *Nuytsia* **21**, 139-148

Burbidge AA, Abbott I, Comer S, Adams E, Berry O, Penwarden KE (2011). Unforeseen consequences of a misidentified rodent: case study from the Archipelago of the Recherche, Western Australia. *Australian Mammalogy* **34**, 55-58

Burbidge AA, Byrne M, Coates D, Garnett ST, Harris S, Hayward MW et al. (2011). Is Australia ready for assisted colonization? Policy changes required to facilitate translocations under climate change. *Pacific Conservation Biology* **17**, 259-269

Byrne M, Stone L, Millar MA (2011). Assessing genetic risk in revegetation. *Journal of Applied Ecology* **48**, 1365-1373

Cochrane A (2011). Climate warming and the germination niche. *Australasian Plant Conservation* **19(3)**, 6-8

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Cranfield RJ, Robinson RM, Williams MR, Tunsell VL (2011). FORESTCHECK: the response of lichen and bryophytes to silviculture in jarrah (*Eucalyptus marginata*) forest. *Australian Forestry* **74**, 303-314

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Brennan KEC, Twigg PJ, Watson A, Pennington A, Sumner J, Davis R et al. [Jackson J] (2012). Cross-cultural systematic biological surveys in Australia's Western Desert. *Ecological Management and Restoration* **13**, 72-80

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Abbott I, Williams MR (2011). Silvicultural impacts in jarrah forest of Western Australia: synthesis, evaluation, and policy implications of the FORESTCHECK monitoring project of 2001-06. *Australian Forestry* **74**, 350-360

Albrecht DE, Hislop M (2011). A revision of *Dielsiodoxa* (Ericaceae: Styphelioideae: Oligarrheneae). *Nuytsia* **21**, 107-126

Algar D, Angus GJ, Onus ML (2011). Eradication of feral cats on Rottnest Island, Western Australia. *Journal of the Royal Society of Western Australia* **94**, 439-443

Algar D, Hilmer S, Nickels D, Nickels AJ (2011). Successful domestic cat neutering: first step towards eradicating cats on Christmas Island for wildlife protection. *Ecological Management and Restoration* **12**, 93-101

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(Continued on page 2)

(Continued from page 1)

- Davis RW (2011). An assessment of some infraspecific taxa in *Ptilotus* (Amaranthaceae) from Western Australia. *Nuytsia* **21**, 103-106
- Davis RW (2011). Re-evaluation of some infraspecific taxa in *Ptilotus* (Amaranthaceae). *Nuytsia* **21**, 149-151
- Davis RW, Tauss C (2011). A new and rare species of *Ptilotus* (Amaranthaceae) from a suburban wetland of the eastern Swan Coastal Plain, Western Australia. *Nuytsia* **21**, 97-102
- Davison EM (2011). *Amanita ochroterrea* and *Amanita brunneiphylla* (Basidiomycota), one species or two? *Nuytsia* **21**, 177-184
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- Gibson MR, Richardson DM, Marchante E, Marchante H, Rodger JG, Stone GN et al. [Byrne M] (2011). Reproductive biology of Australian acacias: important mediator of invasiveness? *Diversity and Distributions* **17**, 911-933
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- Guthrie NA, Hilmer SS, Algar D, Richards JD (2011). A survey of ground-dwelling invertebrates from Mount Gibson Wildlife Sanctuary and Karara-Lochada pastoral stations. *Conservation Science Western Australia* **8**, 23-29
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- Hislop M (2011). A reinstatement and a new combination in *Leucopogon* (Ericaceae: Styphelioideae: Styphelieae). *Nuytsia* **21**, 163-176
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- Hui C, Richardson DM, Robertson MP, Wilson JRU, Yates CJ (2011). Macroecology meets invasion ecology: linking the native distributions of Australian acacias to invasiveness. *Diversity and Distributions* **17**, 872-883
- Huisman JM, Kendrick AJ, Rule MJ (2011). Benthic algae and seagrasses of the Walpole and Nornalup Inlets Marine Park, Western Australia. *Journal of the Royal Society of Western Australia* **94**, 29-44
- Keighery G, Keighery B (2011). Hidden treasures: documenting localised variants of the flora of the Swan Coastal Plain. *Australasian Plant Conservation* **19(3)**, 19-20
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- Köhler F (2011). Descriptions of new species of the diverse and endemic land snail *Amplirhagada Iredale*, 1933 from rainforest patches across the Kimberley, Western Australia (Pulmonata: Camaenidae). *Records of the Australian Museum* **63**, 167-202
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Wheeler J (2011). Common trees of the south-west forests. Department of Environment and Conservation, Kensington, WA. 72 p.

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Conference/Workshop Papers/Posters

Algar D, Johnston M, Hilmer SS (2011). A pilot study for the proposed eradication of feral cats on Dirk Hartog Island, Western Australia. In *Island Invasives: Eradication and Management* (eds C.R. Veitch, M.N. Clout & D.R. Towns). pp. 10-16. IUCN, Gland.

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(Continued on page 6)

(Continued from page 5)

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Abstracts

Allen C, Poot P, Moody M, Standish R, Coates D (2011). Back from the brink of extinction: Improving the success of endangered plant translocations in south-western Australia (ABSTRACT). In *SER2011: World Conference on Ecological Restoration: Re-establishing the Link Between Nature and Culture: Book of Abstracts: 4th World Conference on Ecological Restoration, 20th Annual Meeting of the Society, 2nd Meeting of the Ibero-American and Caribbean Ecological Restoration Network: Merida, Mexico, Sunday August 21-Thursday August 25, 2011* p. 12. Conference Organising Committee, Merida, Mexico.

Bencini R, Mills H, Chambers B, de Tores P, Harris I, Yokochi K (2011). Fauna crossings down under: who is using them and why? (ABSTRACT). *Australian Mammal Society Newsletter Oct*, 32-33

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Bougher N, Matheny B, Ryberg M (2011). Getting to know the *Inocybe* family of fungi in Australia (ABSTRACT). In *Fungimap VI: 14-19 July 2011, Denmark, Western Australia* p. 15. Conference Organising Committee, Denmark.

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Burbidge AA, Byrne M, Coates D, Garnett ST, Harris S, Hayward MW et al. (2011). Is Australia ready for assisted colonisation? Policy changes required to facilitate translocations under climate change (ABSTRACT). In *ICCB 2011: Engaging Society in Conservation: Abstracts: 25th International Congress for Conservation Biology: Auckland, New Zealand, 5-9 December 2011* p. 20. Society for Conservation Biology, Auckland.

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(Continued on page 7)

(Continued from page 6)

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- Chambers J, Wilson C, Tulbure M et al. [Clarke A] (2011). Investigation of nutrient thresholds for ecological regime change in the Vasse-Wonnerup estuary in south-Western Australia (ABSTRACT). In *Australian Marine Sciences Association, 48th Annual Conference, 3rd-7th July 2011: Book of Abstracts* p. 37. Conference Organising Committee, Fremantle.
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New Science Project Plans

SPP 006 - Taxonomic studies in selected families, including Asteraceae, Celastraceae Malvaceae, Proteaceae

Supervisor: Nicholas Lander

SPP 007 - Assessment of genetic diversity, key population processes and evolutionary relationships in the banded ironstone formation endemic Acacia woodmaniorum and its close relatives

Supervisor: Melissa Millar

SPP 008 - Regional-scale coral bleaching on Western Australian reefs

Supervisor: Shaun Wilson

SPP 009 - Baselineing the Avon NRM Region - Terrestrial

Supervisor: Paul Gioia

SPP 010 - Plant species richness and endemism within the southwest Australian floristic region

Supervisor: Paul Gioia

SPP 011 - Protecting the safe havens: will granite outcrop environments serve as refuges for flora threatened by anthropogenic climate change?

Supervisor: Colin Yates

SPP 013 - Taxonomic studies on native and naturalised plants of Western Australia arising from biological survey

Supervisor: Greg Keighery

SPP 014 - Strategic taxonomic studies in families including Epacridaceae, Rafflesiaceae, Rhamnaceae and Dilleniaceae

Supervisor: Kevin Thiele

SPP 015 - Taxonomy of undescribed taxa in the Ericaceae subfamily Styphelioideae, with an emphasis on those of conservation concern

Supervisors: Mike Hislop & / Kevin Thiele

SPP 016 - Strategic taxonomic studies in families including Amaranthaceae and Fabaceae - Ptilotus, Gomphrena, Swainsona, and other plant groups

Supervisors: Kevin Thiele & Rob Davis

SPP 017 - Avon Baselineing Project (Wetlands Component)

Supervisor: Paul Gioia

SPP 018 - Western Australian wetland fauna surveys

Supervisor: Adrian Pinder

SPP 020 - Long-term stand dynamics of regrowth karri forest in relation to site productivity and climate

Supervisor: Lachie McCaw

SPP 021 - Western Australian terrestrial fauna surveys

Supervisor: Lesley Gibson

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