Science Communications lists titles of publications, reports etc prepared by Science Division staff. This issue is for the period August 2011-January 2012. If you require a copy of a submitted paper please contact the author. For all other titles please contact DEC-ConsLibEnquiry@dec.wa.gov.au

Margaret Byrne
A/Director
Science Division

Journal Publications


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


Davison EM (2011). *Amanita ochroterrea* and *Amanita brunneiphylia* (Basidiomycota), one species or two? *Nuitiesia* 21, 177-184


Gibson N (2011). *Labichea rossii* (Fabaceae: Caesalpinioideae), a new species from the Yilgarn Ranges, Western Australia. *Nuitiesia* 21, 91-95


Maslin B (2011). *Acacia* and the IBC. *Australian Systematic Botany Society Newsletter* 146, 2-6


Richards JD, Algar D, Hamilton N, Hilmer S, Rolfe J, Onus M, Prince J (2011). Small mammal and reptile assemblages of the semi-arid woodlands and *Acacia* sandplains in the southern rangelands of Western Australia. *Conservation Science Western Australia* 8, 1-10


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Shearer BL, Crane CE (2012). Variation within the genus *Lambertia* in efficacy of low-volume aerial phosphate spray for control of *Phytophthora cinnamomi*. *Australasian Plant Pathology* 41, 47-57


Shepherd KA, van Leeuwen SJ (2011). *Tecticornia globulifera* and *T. medusa* (subfamily Salicornioideae: Chenopodiaceae), two new priority samphires from the Fortescue Marsh in the Pilbara region of Western Australia. *Telopea* 13, 349-358


Stukely MJC (2012). New phytophthoras in Western Australia’s natural ecosystems. *Microbiology Australia* 33, 31-33


Wege JA (2011). A taxonomic revision of the *Stylidium despectum* group (Stylidiaceae) from southern Australia. *Australian Systematic Botany* 24, 375-404


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**Books/Chapters**


**Conference/Workshop Papers/Posters**


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Matheny PB, Bougher NL, Ryberg M (2011). Key to the genera and major clades of Inocybaceae known from Australia: for the workshop Getting to know the family Inocybaceae: Fungimap VI, Denmark, Western Australia, July 2011. University of Tennessee, Knoxville. 5 p.

Abstracts


Bougher N Fungi-fauna linkages in Western Australia: potoroos and beetles (ABSTRACT). In Fungimap VI: 14-19 July 2011, Denmark, Western Australia p. 7. Conference Organising Committee, Denmark.


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Reports/Chapters


Popular (Landscape, Newsletters, Letters, etc.)


Campbell R (2011). The long road to recovery. Landscape 27(2), 10-15


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Species/Astronomical Account


Submitted

Coates Dave Guest box 16: Identifying units of conservation in a rich and fragmented flora.

Island treasures: patterns of species diversity and composition of land snails on Kimberley islands. In Ecological Society of Australia 2011 Annual Conference proceedings

Algar D, Onus ML, Hamilton NA Feral cat control as part of rangeland restoration at Lorna Glen (Matuwa), Western Australia: the first seven years. Conservation Science, Western Australia

Austen JM, Ditcham W, Friend JA, Ryan U, Reid SA Vector of Trypanosoma copemani identified, Ixodes sp. Parasitology

Belton G, Huisman JM, Gurgel C Species delimitation in the Caulerpa racemosa complex (Chlorophyta: Caulerpaceae) based on the chloroplast DNA barcode marker tufA and the rps3-rpl16 region. Journal of Phycology

Bode M, Brennan KEC, Morris K, Burrows N, Hague N Choosing cost-effective locations for conservation fences in the local landscape. Wildlife Research

Bougher NL A compilation and nomenclatural revision of R.N. Hilton's A census of the larger fungi of Western Australia. Nuysia

Bougher NL, Matheny PB New project to discover the fibre-head fungi in Australia. Naturalist News

Burgess TI, Huberli D, Hardy GESJ, Stukely MJC, Jung T Phytophthora amnicola T.I.Burgess & T.Jung, sp. nov. Fungal Planet
Campbell R, Holley D, Collins P, Armstrong S
Changes in the abundance and distribution of
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Research*

Chapman T, Morris K
Application and efficacy of
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Zoology*

Conran J, Macfarlane T
Eremosynaceae. *The
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11

Cowan MA
Vertebrate survey in Cane River
Conservation Park with a focus on the
Nanutarra Block.

Davis R
*Ptilotus parviflorus*, a new combination
in *Ptilotus* (Amaranthaceae). *Nuytsia*

De Tores P, Himbeck K, MacArthur B, Cocking J,
Maxwell M, White EP et al.
Survivorship of a
threatened species, the woylie or brush-tailed
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the need to monitor the effectiveness of
standard operating procedures. *Conservation
Biology*

Dixon R, Huisman JM, Buchanan J, Gurgel C,
Spencer P
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Phaeophyceae) supports the recognition of
*Phyllotricha* at genus level, with further
additions to the resurrected genus
*Sargassopsis*. *Journal of Phycology*

Garnett S, Szabo J, McBride MF, Burbidge A,
Christidis L, Ford H et al.
Structured elicitation of
expert judgements for threatened species
assessment: a case study on a continental
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Evolution*

Gibson L, Kohler F
Determinants of species
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land snail communities on Kimberley
islands. *Records of the Western Australian
Museum, Supplement*

Gibson L, McKenzie N
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*Records of the Western Australian Museum,
Supplement*

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Occurrence of non-volant
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Estimating fire interval bounds using vital attributes: a
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*Journal of Applied Ecology*

Gosper C, Yates C, Prober S
Changes in plant species and functional composition with time
since fire in two Mediterranean-climate plant
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Hislop M
Two new species from the *Leucopogon
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Staphelieae) and the reinstatement of
*Leucopogon penicillatus*. *Nuytsia*

Hislop M, Puente-Lelievre C
*Leucopogon extremus* (Staphelioideae: Staphelieae:
Ericaceae), a remarkable new species that
expands the morphological circumscription of
*Leucopogon s. str*. *Australian Systematic
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Holmes T, Wilson S, Vanderklift M, Babcock R,
Fraser M
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Huisman JM, Parker C
Marine Plants Online.

Jabaily RS, Shepherd KA, Gustafsson MHG,
Sage LW, Krauss SL, Howarth DG et al.
Systematics of the Austral-Pacific family
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Scott P, White D et al.
Multiple new *Phytophthora* species associated with natural
ecosystems in Australia: evolutionary and
ecological implications (ABSTRACT).

Keesing JK, Irvine TR, Alderslade P, Clapin G,
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Marine benthic flora and fauna of Gourdon Bay
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region of north-western Australia. *Journal of
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Keppel G, van Niel KP, Wardell-Johnson GW,
Yates CJ, Byrne M, Mucina L et al. Refugia:
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Australian land snails (Camaenidae: *Amphirhagada* Iredale, 1933). *Zoological
Journal of the Linnean Society*
McKenzie NL, Bullen RD An acoustic survey of bats on islands in the Kimberley, Western Australia, including data on the echolocation ecology, organisation and habitat relationships of regional communities. *Records of the Western Australian Museum*

Meissner RA Biodiversity values of unallocated crown land on Cape Range peninsula, Western Australia.

Moir ML, Vesk PA, Brennan KEC, Hughes L, Keith DA, McCarthy MA et al. [Coates DJ, Barrett S] A preliminary assessment of changes in plant-dwelling insects when threatened plants are translocated. *Journal of Insect Conservation*

Moir ML, Vesk PA, Brennan KEC, Poulin R, Hughes L, Keith DA, McCarthy MA, Coates DJ Avoiding coextinction of dependent species during ex situ conservation and assisted migrations of threatened hosts. *Conservation Biology*


Munday C, Bettink K, Stone L, Byrne M Genetic risk assessment to complement weed risk assessment in the selection and management of perennial species for agricultural systems in southern Australia. In *18th Australasian Weed Conference Melbourne October 2012*

Nicolle D, French ME, Thiele K Notes on the identity and status of Western Australian phrase names in *Corymbia* and *Eucalyptus* (Myrtaceae). *Nuytsia*

Pinder AM, Quinlan K, Cale DJ, Leung AE Aquatic invertebrates of the Hutt River and Hutt Lagoon catchments, Western Australia. *Journal of the Royal Society of Western Australia*

Plummer JA, Jones CG, Moniodis J, Zulak KG, Barbour EL, Byrne M et al. Genetic diversity of tropical sandalwood (*Santalum album*).

Prior LD, Grierson PF, McCaw WL, Tng DYP, Nichols SC, Bowman DMJS Variation in stem radial growth of the Australian conifer, *Callitris columellaris*, across the worlds driest and least fertile vegetated continent. *Trees: Structure and Function*

Rule M, Bancroft K, Kendrick A Baseline water quality of the Jurien Bay Marine Park: a benchmark for warm temperate Western Australia. *Conservation Science Western Australia*

Rye B, Keighery G A revision of the species of *Hypocalymma* (Myrtaceae: Chamelaucieae) with smooth or colliculate seeds. *Nuytsia*

Rye B, Trudgen M, Macfarlane T, Lander N, Thiele K Introduction to an interactive key to tribe Chamelaucieae of the Myrtaceae. *Nuytsia*

Shearer BL, Crane CE, Dunne CP Variation in vegetation cover between shrubland, woodland and forest biomes invaded by *Phytophthora cinnamomi*. *Australasian Plant Pathology*

Shearer BL, Crane CE, Scott PM, Hardy GESJ Variation between plant species of *in planta* concentration and effectiveness of low-volume phosphite spray on *Phytophthora cinnamomi* lesion development. *Australasian Plant Pathology*


Stylianou V, Stock W, Prober S, Byrne M, Froend R Trait plasticity of a widespread eucalypt along a climate gradient in south-west Australia (ABSTRACT). In *Ecological Society of Australia Conference*


Van Heurck P Environmental mosaics and Gondwanan relicts (ABSTRACT). *Flourish Biodiversity & Forest Symposium, Margaret River, 7 Oct. 2011, Australia*

Wilkins CF, Trudgen ME A new species of *Gompholobium* (Fabaceae: Mirbelieae) from the Pilbara bioregion of Western Australia. *Nuytsia*


Wright L Western Australia, Department of Environment and Conservation, Library and Information Services. *Alies Bulletin*
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 - Baselining 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 Styphelioidae, 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 Baselining 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

Subject Area Contacts:

Biogeography Program Leader:
Stephen van Leeuwen
Stephen.VanLeeuwen@dec.wa.gov.au
Ph: 9219 9042

Fauna Conservation Program Leader:
Keith Morris
Keith.Morris@dec.wa.gov.au
Ph: 9405 5159

Flora Conservation & Herbarium Program Leader:
David Coates
David.Coates@dec.wa.gov.au
Ph: 9219 9128

Landscape Conservation Program Leader:
Lachie McCaw
Lachie.Mccaw@dec.wa.gov.au
Ph: 9771 7998

Marine Science Program Leader:
Chris Simpson
Chris.Simpson@dec.wa.gov.au
Ph: 9219 8761

A/Observatory Program Leader:
Ralph Martin
Ralph.Martin@dec.wa.gov.au
Ph: 9293 8255

Science Applications Unit Manager:
Paul Gioia
Paul.Gioia@dec.wa.gov.au
Ph: 9219 9067

A/Science Support Program Leader:
Colin Yates
Colin.Yates@dec.wa.gov.au
Ph: 9219 9079

Biodiversity & Climate Change Unit Manager:
Colin Yates
Colin.Yates@dec.wa.gov.au
Ph: 9219 9079

Library Contacts:

General enquiries & requests:
DEC-ConsLibEnquiry@dec.wa.gov.au
Ph: 9219 9058

Lisa Wright
Lisa.Wright@dec.wa.gov.au
Ph: 9219 9091

Deborah Harding
Deborah.Harding@dec.wa.gov.au
Ph: 9219 9057

Beng Siew Mahon
Beng.Mahon@dec.wa.gov.au
Ph: 9219 9065