

SOUTH AUSTRALIA

Note that depending on dates of publication, *Flora of Australia* volumes may provide more up to date treatments than some State-specific printed resources. See <http://www.environment.gov.au/biodiversity/abrs/online-resources/flora/main/>

This section lists general cross-family resources, mainly of the 'plants-of-area' sort. For additional resources, see other sections of this bibliography (e.g. Weeds, Threatened Species, particular plant groups or habitats, Algae, Fungi).

SA Herbarium identification service

State Herbarium of South Australia -- Identification Service.

http://www.environment.sa.gov.au/Science/Science_research/State_Herbarium

Scope: Native and naturalized plants, algae and macrofungi (not cultivated exotic plants).

Fees: Discretionary charges may apply.

Submission of specimens: Dried specimens may be submitted at the reception desk or sent by mail:

- Street: Plant Biodiversity Centre, Hackney Road, Adelaide SA 5000. Appointment advisable: ph. 08 8222 9311.
- Postal: forward specimens to The Manager, State Herbarium of South Australia, Plant Biodiversity Centre, PO Box 2732, Kent Town, 5071, South Australia.

Self-help: The Reference Herbarium (9am - 5pm, Monday–Friday) comprises exemplar specimens of most plants found in the wild in South Australia. A small working library and low-power microscopes are available; on-line identification tools will be made available as developed. Prior skills in plant identification are assumed –guidance available but an appointment is essential for this.

South Australia – State flora and Plant information system

Kellerman J (2011 – ongoing) (ed.), *Flora of South Australia* (edition 5). State Herbarium of South Australia, Adelaide. www.flora.sa.gov.au/ed5

ELECTRONIC RESOURCE: ON-LINE: free downloadable PDFs

A revised Flora for the vascular plants of the State (updating the 4th edition of Jessop & Toelken 1986 – see below), with family treatments added as they become available in whole or in part.

Delivery is mainly on-line, with very limited numbers of hardcopies produced for sale - contact the Editor for details (Dr Jürgen Kellermann, Editor, *Flora of South Australia*, State Herbarium of South Australia, PO Box 2732 Kent Town SA 5071; juergen.kellermann@sa.gov.au).

As at July 2015 the available chapters are the *Introduction*, the *Key to families of SA plants*, and treatments for the following families (variously authored, some of them part of family only):

- Amaranthaceae, Asteraceae (Compositae) (in part), Berberidaceae, Centrolepidaceae, Chenopodiaceae, Commelinaceae, Convolvulaceae, Cucurbitaceae, Droseraceae,

Elaeocarpaceae, Fabaceae (Leguminosae) (in part), Gunneraceae, Hydatellaceae, Juglandaceae, Loganiaceae, Loranthaceae, Myrtaceae (in part), Papaveraceae, Passifloraceae, Picrodendraceae, Ranunculaceae, Santalaceae, Tamaricaceae, Xyridaceae,

These and future family treatments progressively supersede those of the 1986 4th edition (see next). Treatments are in standard Flora format: full keys to genera and species, short descriptions, distributions, conservation status, very brief general notes, and good diagnostic line illustrations.
RECOMMENDED

Jessop J & Toelken H (eds) (1986) Flora of South Australia. 4th edition. South Australian Government Printing Division, Adelaide. (4 vols.)

Vol. 1 477 pp. ISBN 0724346481 **Vol. 2** 629 pp. ISBN 0724346562 **Vol. 3** 576 pp. ISBN 0724346643 **Vol. 4** 566 pp. ISBN 0724346724.

Keys and botanical descriptions, plus line illustrations for a proportion of the species. This edition is now out of date for many groups – it contains 3600 recognised taxa for the State, as against 4800 currently. However it is still of use in some families, especially those for which chapters in the new 5th edition (Kellerman, 2011–, see above) have not yet been developed.

South Australia - Census of Plants, Algae and Fungi

The Census of SA Plants, Algae and Fungi is part of the *Electronic Flora of South Australia* (*eFlora SA*) on-line information system.

ELECTRONIC RESOURCE. ON-LINE: <http://www.flora.sa.gov.au/census.shtml>.

The Census covers all major flora groups for which the State Herbarium is responsible: the vascular plants (flowering plants, conifers and ferns), bryophytes (mosses, liverworts, hornworts), macro-fungi, algae and lichens. It lists recognised and synonymous scientific names (all searchable), regional distribution summaries, native/exotic flags, conservation rating, and (for invasive species) declared status. Continually updated.

The Census forms the backbone of *eFlora SA* -- from the Census outputs you can link to access the fact sheets that are available (shown by hyperlink) of species, genera and families.

The last printed version of the SA census was:

Barker WR, Barker R, Jessop J & Vonow H (2005). Census of South Australia vascular plants, Edition 5.0. [Journal of the Adelaide Botanic Gardens, Supplement 1]. Botanic Gardens of Adelaide & State Herbarium: Adelaide. (397 pp.) ISBN 0759000921.

Free PDF download from: http://www.flora.sa.gov.au/pdfs/Census_5.0_web.pdf

South Australia – field guides and handbooks

Bagust P & Tout-Smith L (2010) The Native Plants of Adelaide - returning the vanishing natural heritage of the Adelaide Plains to your garden. Updated Edition. Wakefield Press. 132 pp. ISBN 9781862548794.

Profiles over 100 of the formerly common or conspicuous species of the region, each with at least one photograph, plain-language description, and ancillary information. Horticultural emphasis.

Berkinshaw T (2006) Native vegetation of the Northern and Yorke Region: a guide to the identification, protection and restoration of native vegetation communities and plant species of the Northern Agricultural Districts and Yorke Peninsula. Greening Australia SA / Northern and Yorke Natural Resources Management (NRM) Board (PO Box 702, Clare SA 5453). 199 pp. ISBN 0977514315

Out of the 1600 native plant species in the area, 90 common trees and shrubs (especially those commonly used in ecological restoration work) are covered in some detail, with brief plain-English descriptions, notes, and colour photos. A further 161 native understorey species are shown by photos with very brief notes, and 84 introduced weed species. The other half of the book is descriptions of local plant communities (including lists of their main constituent species, which assists ID). Introductory section has notes on seed collection and propagation for common restoration species.

Berkinshaw T (2006) Native vegetation of the Murray Region: a guide to the identification, protection and restoration of native vegetation communities and plant species of the South Australian Murray Darling Basin. Greening Australia SA / Mid Murray Local Action Planning Committee (PO Box 10, Cambrai SA 5353, ph 08 8564 6034). 127 pp. ISBN 0977514307.

82 of the common tree and shrub species are covered in some detail (brief descriptions and notes, with good colour photos). A further 163 native understorey species are shown by photos with very brief notes, and 84 introduced weed species. Introductory section includes notes on seed collection and propagation for common restoration species, and descriptions of local plant communities. **ELECTRONIC RESOURCE**: Also includes an interactive CD-ROM for easy access/download of information on 132 significant plant species and 39 significant vegetation communities of the region.

Berkinshaw T (2009) Mangroves to Mallee: the complete guide to the vegetation of temperate South Australia. Greening Australia (South Australia), Pasadena SA. 399 pp. ISBN 9780977514328.

A guide to the vegetation of South Australia's southern agricultural districts. Covers 386 native and 112 weed species, with short descriptions and notes, and fair to good colour photos. Not fully comprehensive but an excellent handbook for a large region. Also contains good profiles of the native plant communities of the area. **RECOMMENDED**

Bonney N (1988) Common plants of the Coorong. Pioneer Design Studio, Lilydale, Vic. 64 pp. ISBN 0909674348.

One of the growing series of "Plant Identikit", illustrated pocket sized booklets for various regions. Moderately useful illustrations of selected species, brief descriptions, and notes on confusable species in the area.

Bonney N (1988) Common plants of the Flinders Ranges. N. Bonney, Adelaide. 64 pp. ISBN 0646154060.

One of the growing series of "Plant Identikit", illustrated pocket sized booklets for various regions. Moderately useful illustrations of selected species, brief descriptions, and notes on confusable species in the area.

Bonney N (2003) What seed is that? : a guide to the identification, collection, germination and establishment of native plant species for central southern Australian landscapes. Rev. edn. Greening Australia South Australia, Adelaide. 352 pp. ISBN 0646198203.

Descriptions of about 300 South Australian native plant species, with fair-quality colour paintings and black and white drawings, with an emphasis on field recognition and species suitable for seed collection for revegetation programs. Hints on seed collection and propagation are provided, plus notes on ecology and distribution, and summary tables of information on propagation and revegetation uses. Several pages of colour photos of seeds are provided - the actual-size reproductions limit their value for identification purposes, and they are nowhere stated to be scientifically vouchered.

Bonney N [2006] Adnyamathanha and beyond – useful plants of an ancient land. Australian Plants Society, South Australian Region Inc. 99 pp. ISBN 9780980301304.

An account of plants of the Flinders Ranges used by the Adnyamathanha people, with many good photographs and brief botanical descriptions embedded in the mainly ethnobotanical text. Much data on traditional names and uses.

Bonney N (2010) What south-east native plant is that? Identifying and growing native vegetation in the south east of South Australia. South East Natural Resources Management Board, Mount Gambier, SA. 165 pp. ISBN 9780646529592.

A key identification system for plants likely to be used in regeneration, with some descriptive information, colour photos and line drawings.

Boomsma CD (1981) Native trees of South Australia. Revised edition. [Woods and Forests Department Bulletin no 19, Adelaide SA]. 288 pp.

Based on a 1972 original, very dated. Illustrations, notes, and maps.

Costermans L (2009) Native trees and shrubs of south-eastern Australia - covering areas of New South Wales, Victoria and South Australia. New Holland. 432 pp. ISBN-13: 9781877069703.

A popular book with many colour images, but very dated, nowhere near comprehensive, and not for serious identification. The text and most captions date from the 1983 edition, with an appendix noting taxonomic and nomenclatural changes to 2009.

Cummins J & Moerkerk M (1999) Weeds: the ute guide. Primary Industries and Resources South Australia, Adelaide. 108 pp. ISBN 0730842290.

Ring-bound, rugged, and pocket-sized guide to 93 weed species of southern Australia. Brief descriptions and fair-quality colour photos.

Dashorst GRM & Jessop JP (2006) Plants of the Adelaide plains and hills. 3rd edn. Botanic Gardens of Adelaide and State Herbarium, Adelaide. 224 pp.. ISBN 0977560805.

Covers the area from Goolwa to Gawler. With about 1200 species it is a good proportion of those in the area (except fungi). Includes native and naturalised plants, bryophytes, lichens, and a selection of macrofungi and marine algae. Very short descriptions and distribution statements are matched to rather good watercolour paintings. Earlier editions retain some value.

Eardley CM (1979) Wildflowers of the Adelaide hills. 2nd edn. Axiom Books, Milton, Qld. 109 pp. ISBN 070160610X.

Pocket-sized booklet (similar to the Plant Identikit series). Short plain-English descriptions and colour painting plates of a sample of 45 common or conspicuous species.

Friebe M & Matheson B (2006) Shrubs and trees of the Great Victoria Desert. The Friends of the Great Victoria Desert Parks. 57 pp. ISBN 0646459481.

Brief descriptions of 50 of the most common shrubs and trees, with variable quality colour photos. Biased to the South Australian portion of the GVD but also useful for the WA portion.

Greig D (2002) A photographic guide to wildflowers of outback Australia. New Holland Publishers, Frenchs Forest, NSW. 144 pp. ISBN 1864368055.

A handy but very general guide to 250 species of a huge area of the inland, in long pocket format. Small fair-quality colour photos, with very brief plain-English descriptions and notes.

Gullan P (2003 - ongoing) Wild plants of Adelaide and Kangaroo Island. Viridans Pty Ltd, Bentleigh East, Vic. **ELECTRONIC RESOURCE, ON-LINE and USB; limited interactivity:**

<http://www.viridans.com.au> : pay to purchase, available in Web-delivered and USB-Flash Drive versions.

An information system covering about 3,000 vascular plant species, with plain-English descriptions, notes, distribution maps on a 1-minute grid with overlay options, and one or more colour images for most species. [Not evaluated in detail; see website for details.]

Holliday I, Overton B & Overton D (1994) Kangaroo Island's native plants. The Authors, Adelaide. 63 pp. ISBN 0646172557.

246 species illustrated with variable-quality small colour photos; minimal notes including scientific and common names, family, and distribution on- and off-island.

Jackson I (1988) The flora of Kangaroo Island : from the sketchbooks of Ida Jackson. South Australian National Parks & Wildlife Service, Adelaide. 408 pp. ISBN 0724389917.

An unusual book, but potentially useful for the Island. It treats the island as a number of zones, and for each lists (alphabetically) the families/genera/species that occur there; each species is given a short paragraph description. Very rough line illustrations complement the text.

Jessop J (ed.) (1981) Flora of Central Australia. Reed, Sydney. 537 pp. ISBN 0589502262.

Now dated for some (many?) groups, but still of some use for parts of inland SA north of a line from Ceduna to Renmark. Comprehensive keys and botanical descriptions, few line illustrations.

Kraehenbuehl DN (1996) Pre-European vegetation of Adelaide: a survey from the Gawler River to Hallett Cove. Nature Conservation Society of South Australia Inc., Adelaide, SA. 317 pp. ISBN 0949751243.

Not an identification guide, but this hardback historical overview of the vegetation of the region may assist identification through its lists of native species for various sub-zones, some of which are probably near-comprehensive. A few species are illustrated with good colour photos.

Kutsche F & Lay B (2003) Field guide to the plants of outback South Australia. Dept of Water, Land & Biodiversity Conservation, South Australia. 304 pp. ISBN 0759010528.

Compact guide covering 437 species, categorised by life form. Each species has a short plain-English description and notes, with good colour photos of habit and close-up details. Graphic icons indicate relevant land-types. Aboriginal names (sourced to language) are given for many. RECOMMENDED

Lunt I, Barlow T & Ross J (1998) Plains wandering : exploring the grassy plains of south-eastern Australia. Victorian National Parks Association, & Trust for Nature (Vic.), Melbourne. 152 pp. ISBN 1875100121.

Pocket-sized guide to a this ecological community. Covers 280 taxa with very good colour photos, scientific and common names, and vestigial text.

Marriott N & Marriott J (1998) Grassland plants of south-eastern Australia : a field guide to native grassland and grassy woodland plants of south eastern Australia. Bloomings Books, Hawthorn, Vic. 183 pp. ISBN 1876473002.

Short text and notes, and fair quality colour photographs, of 170 grassland species, mostly common or widespread.

McCann I. (1989) The Mallee in flower. Victorian National Parks Association, Melbourne. 120 pp. ISBN 1875100016.

Victorian emphasis, but has some applicability for eastern SA. Colour photo guide to more than 400 species, with common and scientific names, and a very brief statement of habit, flowering season, and distribution within mallee reserves.

Mid North Grasslands Working Group (s.d. - 2006?) Grasses, gums and groundcovers: a field guide to the common native plants of the Northern Agricultural Districts of South Australia. Custom Press, Brompton SA / Mid North Grasslands Working Group (PO Box 488, Clare SA 5453; www.nativegrass.org.au). 136 pp. ISBN 0646463152.

Sturdy ring-bound guide to 120+ species, organised by growth form. Brief plain-language notes on features and habitat, with fair-quality colour photos.

Moore P (2005) A guide to plants of inland Australia. Reed New Holland. 504 pp. ISBN-10 187633486X; ISBN-13 9781876334864.

A very useful field guide to about 900 species, albeit over a very large swathe of the continent, with short descriptions and fair-quality colour photos. Introductory sections outline the evolutionary history of the region and broad vegetation types.

O'Connor H, Smyth J & Smith I (1984) Wildflowers of Lower Eyre Peninsula – plant identikit. Society for Growing Australian Plants – SA region, Adelaide, SA. 83 pp. ISBN 0646195042.

Pocket-sized guide to 73 common species with very brief plain-English descriptions and notes, and fair-quality colour paintings.

Overton B & Overton D (2012) Discover Kangaroo Island's native plants. Environmental Realist, Kingscote, SA. 115 pp. ISBN-13: 9780646585765.

Comb-bound field guide covering 396 species – mainly pictorial, colour images with very brief descriptive and habitat notes; no keys.

Pedler R (ed.) (1982) Wildflowers of the southern Flinders Ranges – plant identikit. Society for Growing Australian Plants – SA region, Adelaide, SA. 69 pp. No ISBN.

Pocket-sized guide to 60-odd of the more common species, with very brief plain-English descriptions and notes, and fair-quality colour paintings.

Pedler R (ed.) (1984) Wildflowers of the northern Flinders Ranges – plant identikit. R. Pedler, Koolunga, SA. 77 pp. ISBN 0646188011.

Pocket-sized guide to 70 of the more common species, with very brief plain-English descriptions and notes, and fair-quality colour paintings.

Prescott A (1988) It's blue with five petals : wildflowers of the Adelaide region -- an easy to use colour coded field guide. A. Prescott, Prospect, SA. 400 pp. ISBN 0731639782.

Excellent for the region. Uses flower colour and easily observed floral features in a very non-technical visual key system. RECOMMENDED

Prescott A (1995) It's blue with five petals : Kangaroo Island field guide : wildflowers of Kangaroo Island and the Fleurieu Peninsula. A. Prescott & Associates, Adelaide. 199 pp. ISBN 0646230611.

About 700 species are briefly treated, with very short descriptive notes and line drawings of diagnostic features. Uses flower colour and easily observed floral features in a very non-technical visual key system. RECOMMENDED

Wiltshire D & Schmidt M (1997) Field guide to the common plants of the Cooper Basin, South Australia and Queensland. 3rd edn. Santos Ltd, Adelaide. 124 pp. ISBN 1875568042.

Covers 50-odd species; brief descriptions and notes, fair-only colour photos and line sketches.

Woolcock L (1985) Wildflowers of the Mount Lofty Ranges : Fleurieu Peninsula to Barossa Valley. Wakefield Press, Netley, SA. 186 pp. ISBN 0958873208.

Brief plain English descriptions and colour photographs. No keys.