



Revegetation Kit

Suitable For: SA Murray-Darling Basin Area

Provided by: Janet Kuys
Senior Environmental Design & Management Consultant
Rural Solutions SA
Mobilong House
Murray Bridge
Ph: 8535 6400
Email: kuys.janet@saugov.sa.gov.au

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Carefully Plan Your Project – Seek Information Before You Start

When planning your project there are many things to consider...

1. What is the goal of your planting? Biodiversity enhancement, windbreak, woodlot, beautification, salinity control, erosion control - the goal will determine where, how and with what you plant.
2. Where is your site located? Is it steep, rocky, accessible to vehicles? What is the soil type? Are there power lines, underground cables, windmills, stock routes, drainage lines or other important features to avoid?
3. What species should you use? What was the original vegetation type of the area? Species native to your area will be less of a weed risk than exotics or other non-local Australian plants.
4. What method will you use? Natural regeneration of remnant vegetation, direct seeding, planting seedlings or a combination?
5. How will you manage weeds and pests – before, during and after planting?
6. Have you thought about joining a Landcare or Catchment group for help and information sharing?

Useful references

(these and others may be available from your local Natural Resource Management Centre)

Factsheets:

- *Creating revegetation – enhancing biodiversity by design*. Dalton, G. (1998), PIRSA Factsheet.
- *Growing local native plants* – PIRSA FS 43/97
- *Hand direct seeding of native plants* – PIRSA FS 7/95/97
- *Introduction to direct seeding* – PIRSA No. 32a/92
- *Native grass species of South Australia* – AGDEX 301/23
- *Natural regeneration* – PIRSA FS 3/95/99
- *Planting trees for spray drift buffers* - June 2001, Rural Solutions SA.
- *Red-legged Earth-mites and direct seeded native trees and shrubs* – PIRSA FS 37/92

Books/Compilations:

- *Watercourse Management: A Field Guide*. Myers, R. (Ed) (1995) Second Edition. Upper River Torrens Landcare Group.
- *What Seed Is That?* Bonney, N. (2003) Revised Edition, Finsbury Press.
- *Direct Seeding of Trees and Shrubs: A Manual for Australian Conditions*. Dalton, G. (1993) Primary Industries South Australia.
- *Farm Revegetation Design – Optimising Your Benefits*. Bulman, P. and Dalton, G. (2000) Primary Industries and Resources SA.
- *Windbreaks*. Burke, S. (1998) Inkata Press, Port Melbourne, Vic.

Websites:

- PIRSA and Rural Solutions SA - www.pir.sa.gov.au (“online products and services” – select ‘Fact Sheets’)
- Dept Water Land Biodiversity Conservation - www.dwlbc.sa.gov.au/biodiversity/vegetation/nv_inforesources.html

To Ensure Success – Carefully Plan Your Project Activities

Start planning your project well ahead of any on-ground work. Use the contact lists to seek advisers who can help you.

Activity	2 Yrs Prior	Year before planting						Year of planting											On-going
	Activity should start	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
Early planning – seek advice																			
Weed control: perennial, hard-to-kill spring active species																			
Weed control: couch, kikuyu																			
Removal of blackberry or gorse (check habitat value first)																			
Willow removal (if relevant)																			
Collect seed (exact timing depends on species)																			
Join 'Trees for Life' and order seedlings, or																			
Order seedlings from nursery, or																			
Start to propagate own seedlings																			
Fencing (early is better for managing weeds)																			
Ripping (if needed)																			
Rabbit control																			
Snail control																			
Plant seedlings																			
Direct seeding																			
Insect Control																			
Follow-up weed control																			

Dark grey boxes = main period to do the activity listed; light grey boxes = sometimes the activity will be carried out at this time, depending on conditions/species etc.

Collecting Native Seeds: Approximate Timing

Type of Plant	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
<i>Acacia</i> species (Wattles)												
<i>Allocasuarina</i> species (Sheoaks)												
<i>Banksia marginata</i> (Silver Banksia)												
<i>Banksia ornata</i> (Desert Banksia)												
<i>Bursaria spinosa</i> (Sweet Bursaria)												
<i>Callistemon</i> (Bottle Brushes)												
<i>Callitris</i> (Native Pines)												
<i>Dodonaea</i> (Hop bushes)												
<i>Eucalyptus camaldulensis</i> (Red Gum)												
<i>Eucalyptus fasciculosa</i> (Pink Gum)												
Most other Eucalypts												
<i>Leptospermum myrsinoides</i> (Heath Tea Tree)												
Most other <i>Leptospermum</i> species												
<i>Melaleuca</i> species (Paperbark; Honey Myrtle)												
<i>Pultenaea</i> species (Bush Peas)												
<i>Rhagodia</i> species (Ruby Saltbush)												
<i>Xanthorrhoea</i> species (Yaccas)												

Notes:

- Seed collection times vary according to individual species/seasonal conditions: collect earlier in hotter drier conditions than cooler wetter conditions.
- Seed collection contractors are listed in this guide. Give plenty of notice to contractors (12-18 months in advance) to allow time for specialist collections.
- A seed collection permit is required if you personally wish to collect seed from public or Crown lands. Contact Department for Environment and Heritage: <http://www.deh.sa.gov.au/biodiversity/seed.html>. When collecting from private land, please contact the owner for consent or your local council for roadsides.

Useful references: *Collecting Native Plant Seed* – PIRSA Factsheet 32/97; *Collecting and Storing Native Seed* – PIRSA Factsheet 38/97; *Seed Collection for Native Understorey Species* – PIRSA Factsheet 5/99; *Seed Pre-treatments for Native Understorey Species* – PIRSA Factsheet 4/99; *What Seed Is That?* Neville Bonney (2003) Revised Edition, Finsbury Press.

Weed and Pest Control Contractors

Provider	Contact/Address	Phone	Notes
A.D. & B.J. Golder	Tony Golder	8531 1281 0408 083 981	Boomspray; 100 m hand-line; woody weed removal; small block slashing; control exotic birds, mice, cats; bait laying
Wrenhaven Contracting	Andy Byrne Littlehampton	8391 1999 0418 892 475	Weed spraying services
Creation Care	Greg Dalton PO Box 2 Strathalbyn 5255	8536 3075 0408 890 416	Spraying, including for woody weeds (has 200 m long hand line and booms); planning, seedlings, planting services
Donovan's Earth Care	Greg Donovan & Terri Bateman Kapunda 5373	8566 3073 0417 848 874 0427 792 964	Seed collection, plant supply, weed control, surveys, mgt plans
Fleurieu Spraying	Phil Stevens PO Box 196 Yankalilla 5203	0427 583 032	Boomspraying, aerial (helicopter), hand-lining (200m), side-jetting, ATV's – Williamstown to Cape Jervis
G.R. & C.J. Woolford	Garry Woolford PO Box 569 Littlehampton 5250	8391 0006 0408 831 756	Removal of willows & large trees
Grounds and Gardens	Paul Marsden 819-825 South Road, Clarence Gardens (service all areas)	8351 4400 0413 618 827	Herbicide spraying, woody weed removal, revegetation works, bush management works
Hills Weed & Land Mgt	James Earl PO Box 176, Ashton, 5137	8390 1046	Spraying contractor
Natural State	Matt Rose PO Box 142, Taillem Bend, 5260	8572 3049 0439 727 057	ATV with 3m boom spray, 8m side jets and guarded booms for direct seeding, 400L spray unit with 2 x 100m handlines and 5m booms; willow control gear with 2 x 100m airlines.
Rod Boulton and Co	Wayne Boulton Crafers	8339 2658 0419 034 158	Weed spraying contractor (boom and handlines)
SA Indigenous Flora	Kieran Brewer Athelstone	8336 1235 0427 902 326	Bushland weed control
S.E. and B.C. Paech	Steve Paech Wistow	8398 2297 0417 846 422	Weed spraying contractor (8 m boom, side jetting, handlines)

* other contractors may be available for the SA MDB area that are not listed here. Check with your Natural Resource Management Authorised Officer for further advice (see next page).

Specialist Animal & Plant Control Advisers – Natural Resources Management Board

Area	Natural Resource Mgt Authorised Officer	Phone	Email
Fleurieu	Peter Michelmore, PO Box 781 Willunga 5172	0417 805 239 or 8556 4500	pmichelmore@fapcb.com.au
Barossa Ranges	David Hughes, PO Box 295, Angaston 5353	0418 855 494 or 8563 8444	dhughes@barossa.sa.gov.au
Coorong	Steve Baltussen, Mallee Highway, Sherlock 5301	0427 808 205 or 8574 3194	sbaltussen@coorong.sa.gov.au
	Robin Hood, 95 Railway Tce, Tailem Bend 5260	0427 808 207 or 8572 3611	rhood@coorong.sa.gov.au
Goyder	Peter Harris, 2 Kingston Street, Burra 5417	0427 979 813 or 8892 3033	peter.goyder.apcb@bigpond.com
Loxton-Waikerie	John Garvie, PO Box 409, Loxton 5333	0429 976 482 or 8584 8080	jgarvie@loxtonwaikerie.sa.gov.au
Mid-Murray	Kym Haebich, PO Box 10 Cambrai 5353	0408 811 392 or 8564 5154	khaebich@mail.mdt.net.au
Murray Bridge	David Clifford, 21 Hindmarsh Road, Murray Bridge 5253	0407 613 391 or 8539 1165	d.clifford@rcmb.sa.gov.au
Murray Lands	Roger Kelly, PO Box 58, Karoonda 5307	0427 813 861 or 8578 1493	roger.kelly@hotmail.net.au
Mt Lofty Ranges	Dwayne Godfrey, PO Box 37, Lobethal 5241	0419 389 750 or 8389 6166	dgodfrey@mlrapcb.net
Riverland	Philip Reddy, PO Box 789, Berri SA 5343	0428 848 086 or 8582 4368	rapcb@bigpond.net.au
Southern Mallee	John Price, PO Box 21, Lameroo SA 5302	0427 422 924 or 8576 3400	smapcb@lm.net.au

Revegetation/Bush Management Contractors and Nurseries

Provider	Contact/Address	Phone	Fax	Notes
Australian Landscape Trust	Len Davis, Calperum Station, PO Box 955 Renmark SA 5341	85957359	85957360	Seed for native groundcovers and shrubs.
Berri Native Nursery	Andrew Walladge PO Box 1243 Berri 5343	8582 1599		Can supply local plants from local seeds through sub-contracting
Blackwood Seeds	Phil & Libby Druce PO Box 55, Inman Valley, 5211	8558 8288	8558 8288	Native seed suppliers.
Brenton Tucker Native Plants	Placid Estates Rd, Wellington East	8572 7104	8572 7104	Native seedlings (pre-order for large amounts)
Conservation Volunteers Australia	Terry Peacock 130 Franklin St, Adelaide	8212 0777 0404 828 922		Teams for labour assistance with revegetation, weed control etc.
Coromandel Native Nursery	Mark Kervers; Star & Arrow Rd, Coromandel East 5051	8388 2777		Provenance seedling production, tubestock planting, reveg advice, reveg contractor.
Creation Care	Greg Dalton PO Box 2 Strathalbyn 5255	8536 3075 0408 890 416	8536 4023	Project management, planning & advice, seedling supply, seedling planting, weed control
Daisy Patch Native Nursery	John and Julie Barrie 1 George St, Coonalpyn 5265	8571 1172	8571 1172	Specialises in native understorey plants, pre-order

Revegetation/Bush Management Contractors and Nurseries

Provider	Contact/Address	Phone	Fax	Notes
Donovan's Earth Care	Greg Donovan & Terri Bateman; Kapunda 5373	8566 3073 0417 848 874 0427 792 964		Seed collection, plant supply, weed control, surveys, mgt plans.
Environmental Regeneration Australia	Mario Niesingh PO Box 270, Oaklands Pk 5046	8357 5792 0408 813 636	8357 5284	Comprehensive reveg services: supply seed, seedlings to order using locally collected seed. Hand and machine direct seeding. Weed control and planting. Planning and project management.
Fleurieu Natives	John Brame Waterfall Dve, Nangkita	8556 9167 0407 183 295	8556 9148	Seed collection, seedling supply (wholesale), direct seeding, weed control and maintenance.
Greening Australia	Mick Durant PO BOX 2056, Murray Bridge 5253	0427 182 779		Bushcare advice; seed collection, machine seeding.
Growing Bush	Karen Lane 31 Gum Grove, Belair, 5052	8278 1587 0427 722 979		Adelaide area
J.D. Whittaker	Jeff Whittaker PO Box 337, Macclesfield, 5153	0417 807 682 8388 9146		Direct seeding, seed collection, weed control, seedling planting, planning.
Koori Landscapes	Doug March	8556 7314	8556 7314	
Kymbos Re-Veg and Permaculture Services	Kym Kingdom PO Box 589 Murrayville Vic 3512	03 5095 2199		Direct seeding and seedling planting, seedling supply
LM & PR Davis	Len Davis PO Box 773 Renmark SA 5341	85951068		Seed for native groundcovers and shrubs.
Melaleuca Nursery	Bill Ling 76 Princes Hwy, Meningie 5264	8575 1259	8575 1259	Tubestock seedlings grown from local seed if arranged; farm forestry seedlings
Mt Barker Woodlots Nursery	Geoff and Margie Barnett 2 Fletcher Rd, Mount Barker 5251	8391 1971		Indigenous and other plant propagation, contract seed collection and propagation for reveg projects.
Natural State	Matt Rose PO Box 142, Tailem Bend 5260	8572 3049 0439 727 057	8572 3049	Direct seeding, seedling planting, seed collection, bush management, weed control; farm forestry; project management, revegetation/weed control plans, species lists, site surveys.
O'Malley Planting Pty Ltd	Ray O'Malley PO Box 1537 Murray Bridge 5253	8532 3675 0427 958 894		Saltbush speedling planting (machine)
Revegetation Services SA	John Young PO Box 745, Clare 5453	8842 2866 0418 855 235	8842 1296	Direct seeding, seedling planting, limited seed collection, project planning. MLR, Northern districts

Revegetation/Bush Management Contractors and Nurseries

Provider	Contact/Address	Phone	Fax	Notes
South East Direct Seeding Service	Mig & Peter Brookman PO Box 45, Keith 5267	8756 5019 0429 693 027	8756 5070	Direct seeding, seedling planting, seed collection, weed control. Some supply of seedlings. Lower Mallee/Coorong.
State Flora	Belair National Pk	8278 7777	8278 7801	Wide range of native & forestry plants
	Bremer Rd, Murray Bridge 5253	8539 2105	8532 5646	Wholesale outlet; wide range of natives and forestry plants
Trees for Life	5 Fitzgerald Rd, Pasadena 5042	8372 0150	8372 0199	Tree Scheme: native seedlings grown by volunteers (or propagation materials provided to members)
	David Hein (Direct Seeding)	0429 310 263		Direct seeding contract services
	Jim Deed (Bush for Life)	8372 0150		Bushland management and weed control
Trevor Pfeiffer	Trevor Pfeiffer Veldtland, Parrakie 5301	8576 2055 0427 762 055	8576 2055	Direct seeding of natives and tagasaste, specialising in mallee country
Vegetation Management Services	John Stafford Adelaide-Lobethal Rd, Lenswood	8389 8347 0408 804 797	8389 8347	Specialises in native grass seed and establishment
Virginia Nursery	Gawler Rd Virginia 5120	8380 9560	8380 9767	Seedling suppliers
Western's Saltbush	Vasey Rd Waikerie 5330	0427 609 293		Saltbush specialists

Community Revegetation Machinery for Hire or Loan

Group	Contact	Phone	Fax	Comment
Bremer Barker Catchment Group	Peter Miles – Mt Barker	8391 1338 0407 978 898		Olympic Landcare direct seeding machine for hire
North Rhine Landcare Group	Joe Keynes – Keyneton	8564 8235	8564 0312	Direct seeding machine
Northern Lake Alexandrina Landcare Group	Linley Cleggett – Langhorne Creek	8537 3155		Old model direct seeding machine
Natural State	Matt Rose – Taillem Bend	8572 3049 0439 727 057	8572 3049	3-point-linkage V-blade planter/seeder, 3 point linkage speedling planter and 4WD-towed Rodden 3 direct seeding machine.
Tungkillo/Harrogate Landcare Group	Bruce Munday – Tungkillo	8538 7075	8538 7075	Direct seeding machine – for local use only
Coorong District Council	Graham Gates or Lesley Cameron; Tintinara Office	8757 2100	8757 2222	Tube-stock seedling planting machine (WC Diamond Tree Planter), 3 point linkage – available for loan free of charge
Riverland West and Loxton to Bookpunong Local Action Plan Areas	Emma Egel - Waikerie	8541 2611	85413955	V-Blade direct seeder, free for approved LAP projects. \$50 per day to other users (doesn't include operator). Attaches via 3-point linkage, must be picked up and returned.

Natural Resource Management Centres

Name	Address	Contact No.	Fax No.
Strathalbyn Natural Resource Centre	Rear of Alexandrina Council Chambers; Rear 1 Coleman Terrace, Strathalbyn	8536 3388	8536 3288
Mt Lofty Ranges Catchment Centre	Upper Level, Corner Mann and Walker Streets, Mt Barker, 5251	8391 7500	8391 7524
Normanville Catchment Resource Centre	Shop 3, 103 Main Street, Normanville 5204	8558 3644	8558 3644
Willunga Community Landcare Centre	PO Box 215, Willunga, 5172	8556 4188	
Victor Harbor Natural Resource Centre	Bay Road, Victor Harbor, 5211	8551 0525	8551 0501
Pasadena Natural Resource Centre	GPO Box 1354, Adelaide 5000; 5 Fitzgerald Rd, Pasadena	8372 0184	8372 0199

Specialist Technical and Planning Advisers

Note: Many revegetation contractors provide planning and assessment services (see previous list). The contacts listed here do not carry out implementation of on-ground works themselves (see previous contractor list) but offer specialist advice, management planning, surveys etc.

Area of expertise	Organisation	Contact	Phone	Comments
Biodiversity/Revegetation	Rural Solutions SA	Janet Kuys, Murray Bridge Scott Gillett, Loxton Catherine Miles, Mt Barker Karina Mercer, Lenswood	8535 6401 8595 9176 8391 7508 8389 8801	Specialist advice for planning, species lists, contractors, consultancies etc.
	Trees for Life	Andrew Allanson, Pasadena	8372 0150	Bush for Life Program; bush management, seed collection and plant propagation training workshops.
	Greening Australia	Alister Hazeldine, Murray Bridge	0428 041 121	On-ground works and training for NHT-funded projects; revegetation plans.
	Dept Environment & Heritage	Bush Mgt Adviser, Berri Office	8595 2111 0427 604 254	Bush management and habitat advice.
	Environmental & Biodiversity Services	Travis How/Chris Obst, 107 Hayward Ave Torrensville SA 5031	8351 7533 8351 9997	Flora mgt plans, biological surveys, monitoring, impact assessment, revegetation planning.
	Ron Taylor	Ron Taylor, 8 Simpson Ave, Victor Harbor, 5693	8552 5693	Management plans, surveys etc.
Heritage Agreements	Dept Environment & Heritage	Bush Mgt Adviser, Berri Office	8595 2111	Bush Management advice; fencing etc.
Native Grasses	Rural Solutions SA	Wayne Brown, Adelaide	0408 813 628	General advice on native grasses, establishment plans.
Property Design/Planning	Rural Solutions SA	Wayne Brown, Adelaide	0408 813 628	Large-scale planning.

Group Planning and/or Financial Assistance

Area	Program	Contact	Phone	Fax
Angas/South Bremer	Angas/Bremer River Catchment Groups	David Milner Strathalbyn Natural Resource Centre	8536 3137	8536 3288
Berri to Barmera	Local Action Plan	Paul Stribley 12a Wilson Street, Berri	8582 2183	8582 2495
Coorong and Districts	Local Action Plan	Lesley Cameron lcameron@coorong.sa.gov.au; PO Box 1021 Tintinara 5266	8757 2100	8757 2222
Eastern Mt Lofty Ranges/ Murray Plains	Eastern Hills/Murray Plains Catchment Group	Steve Coombe ehmp@lm.net.au; PO Box 2056, Murray Bridge, SA 5253	8531 2077	8532 5300
Goolwa to Wellington	Goolwa to Wellington Local Action Plan	Belinda Gunn Mount Lofty Ranges Catchment Centre, Mt Barker 5251	8391 7516	8391 7524
	Lower Lakes Project	Jem Tesoriero PO Box 674, Strathalbyn, 5255	8532 5262	
Loxton to Bookpurnong	Local Action Plan	Paul Stribley 12a Wilson Street, Berri	8582 2183	8582 2495
Mannum to Wellington	Local Action Plan	Kathryn Rothe mwlap@lm.net.au; PO Box 2056, Murray Bridge 5253	8531 3222	8532 5300
Mid Murray (Lock 1 to Mannum)	Local Action Plan	Judy Pfeiffer midlap@lm.net.au; PO Box 10, Cambrai 5353	8564 6034	8564 5003
Murray Mallee	Local Action Plan	Ben Simon mmlap@lm.net.au; PO Box 2056, Murray Bridge 5253	8531 2066	8532 5300
Northern Bremer	Northern Bremer Catchment Group	Harry Seager PO Box 2056, Murray Bridge, SA 5253	8531 2077	
Renmark to the Border	Local Action Plan	Alex Tucker rblap@riverland.net.au, 117 Ral Ral Ave, Renmark 5341	8586 6633	8586 5733
Riverland West (Lock 1 to Lock 3)	Local Action Plan	Emma Egel rwlap@riverland.net.au; 12a Peake Terrace, Waikerie 5330	8541 2611	8541 3955

