

Kangaroo Island Wine Region

Local plant community lists Information compiled by Dr Mary Retallack, December 2021

NatureMaps is an online program that can be used to source information for individual properties located in South Australia. This is a 'quick guide' to help get you started on your property planning project. Unfortunately, plant community data is not available for Kangaroo Island, so this has been collated from other sources including the Kangaroo Island Landscape Board.

Step #	Instruction										
Step 1	To get started open the following link https://data.environment.sa.gov.au/NatureMaps/Pages/default.aspx										
Step 2	Select the 'start' button START using NatureMaps and wait for the program to load										
Step 3	Type your details in the 'find your address or location' bar										
Step 4	Select the best fit from the ALVS tab KINGSCOTE, 5223 and the map will zoom to your address										
Step 5	Use the zoom 'in or out' buttons to navigate around the map (toggle out so you can see the region)										
Step 6	Select the 'layers' button at the bottom of the screen										
Step 7	Select the 'vegetation' layer + 🗵 Vegetation and then select the + button to open the drop down menu.										
Step 8	Select 'Pre-European Vegetation' from the drop-down menu										
Step 9	Slide the bar to change the transparency of the layer selected Pre European Vegetation										
Step 10	Place your cursor over a coloured area on the map to get more information about the selected layer. Then select 'view additional details' in the white summary box to access further details.										
Step 11	Once you have identified the name of your local plant community you can search and download a list of plants here https://www.landscape.sa.gov.au/hf/plants-and-animals/native-plants-animals-and-biodiversity/urban-biodiversity/b4w-native-species										

For further info see https://data.environment.sa.gov.au/NatureMaps/Documents/NatureMaps%20Help%20Guide.pdf

Please refer to the plant community lists below (which relate the location of the EcoVineyards demonstration sites) or enter your details into NatureMaps and follow the process above to access a plant list for your local area.

You may also be interested in using nrmFarm, a web based farm management tool which allows you to create and save a map of your farm including property boundaries, paddocks and infrastructure via secure login. It also allows you to record information like chemical applications, sowing dates, yield data, livestock movements, soil test results, and weed sightings. The nrmFarm is available for the following regions. The nrmFarm program can be accessed here https://www.naturalresources.sa.gov.au/samurraydarlingbasin/land-and-farming/tools-for-land-managers/nrm-farming/tools-for-land-managers/n

















EcoVineyards site: The Islander Estate Vineyards, 639 Bark Hut Road, Cassini









EcoVineyards site: Bay of Shoals Wines, 49 Cordes Road, Kingscote



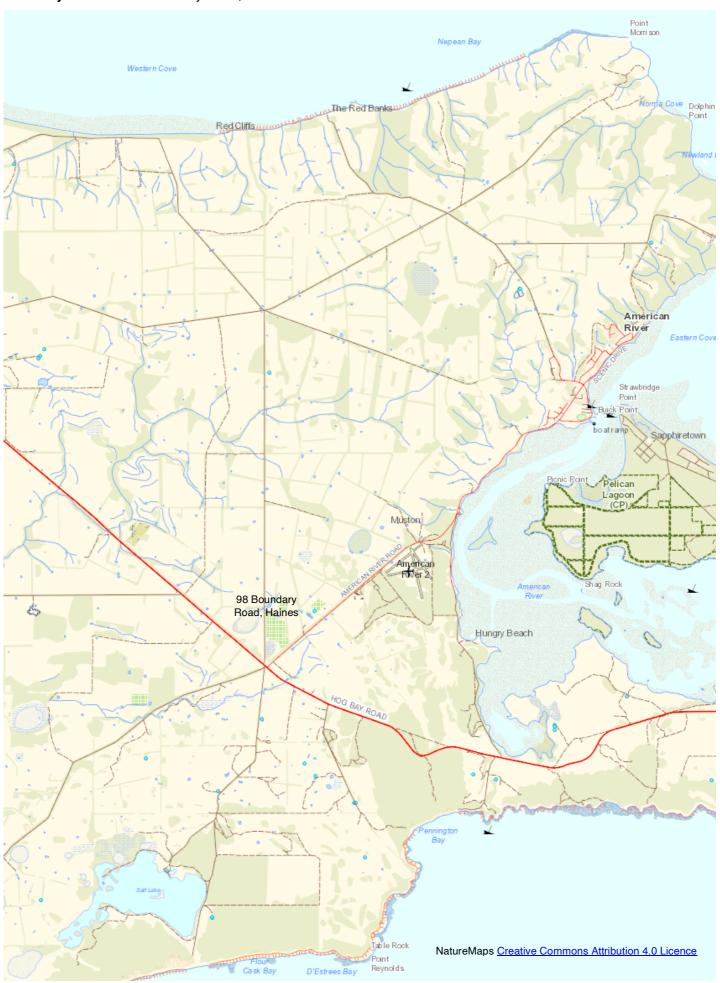








EcoVineyards site: 98 Boundary Road, Haines













Plant species for selected EcoVineyards sites across Kangaroo Island

This list may contain historical scientific or common names and includes plant species that grew naturally in this vegetation association that are commercially available. This information has been summarised from the Kangaroo Island Landscape Board internal resources (with thanks to Veronica Bates), and https://www.stateflora.sa.gov.au. This information should be used as a guide only.

				Floral resource							ly?	9	load	ad	aq	8
Habit	Genus	Species	Common name	Pollen	Nectar	Height (m)	Width (m)	Tolerance to frost	Flower colour	Flowering time	Available locally?	Springs Road	Branch Creek Road	Gum Creek Road	Boundary Road	Cordes Road
	Acacia	<i>longifolia</i> var. sophorae	coastal wattle	yes	¹yes	2 to 5	4 to 8	mod. sensitive		winter to spring	Υ				•	
	Acacia	pycnantha	golden wattle	yes	¹yes	4 to 6	2 to 6	mod. sensitive		winter to spring	Υ	•	•	•	•	
	Allocasuarina	striata	small bull oak	yes	no	1.5 to 4	1 to 3	mod. sensitive	N/A	spring	Υ		•			
	Allocasuarina	verticillata	drooping sheoak	yes	no	5 to 8	4 to 6	resistant		autumn to winter	Υ	•	•			•
	Banksia	marginata	silver banksia	yes	yes	2 to 8	1 to 5	resistant		spring to autumn	Υ	•			٠	
	Eucalyptus	albopurpurea	Port Lincoln mallee	yes	yes	4 to 12	4 to 8	mod. sensitive		winter to summer					•	
	Eucalyptus	baxteri	brown stringybark	yes	yes	6 to 25	6 to 15	resistant		summer to autumn	Υ	•				
	Eucalyptus	camaldulensis ssp. camaldulensis	river red gum	yes	yes	20 to 30	10 to 15	resistant		summer	Υ		•			
	Eucalyptus	cladocalyx	sugar gum	yes	yes	15 to 40	12 to 30	mod. sensitive		summer	Υ	•	•	•		
	Eucalyptus	cneorifolia	K.I. narrow- leaved mallee	yes	yes	7 to 12	7 to 10	mod. sensitive		summer to autumn	Υ		•	•	•	•
Tree	Eucalyptus	cosmophylla	cap gum	yes	yes	3 to 8	5 to 10	resistant		autumn to winter	Υ	•	•		•	
	Eucalyptus	diversifolia	SA coastal white mallee	yes	yes	2 to 10	2 to 8	mod. sensitive		winter to spring	Υ	•	•	•	•	•
	Eucalyptus	fasciculosa	pink gum	yes	yes	5 to 18	5 to 12	mod. sensitive		summer to autumn	Υ		•			
	Eucalyptus	leptophylla	narrow- leaved red mallee	yes	yes	2 to 6	3 to 8	resistant		autumn to spring	Υ		•			
	Eucalyptus	leucoxylon ssp. leucoxylon	SA blue gum	yes	yes	8 to 30	8 to 25	mod. sensitive		autumn to winter	Υ			٠	•	
	Eucalyptus	odorata	peppermint box	yes	yes	> 10	> 10	resistant		all year	Υ		•	•		•
	Eucalyptus	<i>oleosa</i> ssp. ampliata	red mallee	yes	yes	3 to 12	3 to 12	mod. sensitive		winter to spring	Υ		-		•	
	Eucalyptus	phenax ssp. compressa	white mallee	yes	yes	3 to 7	3 to 5	resistant		summer to autumn	Υ		•	•	•	
	Eucalyptus	rugosa	Kingscote mallee	yes	yes	4 to 8	4 to 5	mod. sensitive		summer	Υ				•	•
	Melaleuca	lanceolata	dryland tea-tree	yes	yes	3 to 8	3 to 5	resistant		spring to summer	Υ		•	•		•
	Myoporum	insulare	common boobialla	yes	yes	3 to 5	3 to 5	mod. sensitive		spring	Υ		•		•	•
	Acacia	acinacea	round- leaved wattle	yes	yes	1 to 2	1 to 2	resistant		winter to spring	Y				•	
	Acacia	cupularis	coastal umbrella bush	yes	¹yes	2 to 3	2 to 3	mod. sensitive		spring	Υ			•		
Shrub	Acacia	myrtifolia	myrtle wattle	yes	¹yes	1 to 2	1 to 2	mod. sensitive		spring	Υ	•	•		•	
	Acacia	paradoxa	prickly wattle	yes	¹yes	2 to 4	3 to 4	mod. sensitive		spring	Υ	•	•	•	•	
	Acacia	spinescens	spiny wattle	yes	¹yes	0.5 to 2	1 to 2	resistant		winter to spring	Υ	•	•	•	•	
530	Acacia	triquetra	gold dust wattle	yes	¹yes	1 to 2	2 to 3.5	resistant		spring	Υ			•		
	Adriana	quadripartita	coastal bitter bush	yes	¹yes	1 to 2	1 to 3	mod. sensitive		spring to summer					•	
	Allocasuarina	muelleriana ssp. muelleriana	common oak-bush / slaty sheoak	yes	no	1 to 3	2 to 3	mod. sensitive	N/A	spring to summer	Υ	•	•			
	Allocasuarina	muelleriana ssp. notocolpica	common oak-bush / slaty sheoak	yes	no	1 to 3	2 to 3	mod. sensitive	N/A	spring to summer	Y				•	









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Habit	Genus	Species	Common name	Pollen	Nectar	Height (m)	Width (m)	Tolerance to frost	Flower colour	Flowering time	Available locally?	Springs Road	Branch Creek Road	Gum Creek Road	Boundary Road	Cordes Road
	Atriplex	cinerea	coastal saltbush	yes		1	1 to 2	mod. sensitive	N/A	all year						•
	Beyeria	leschenaultii	pale turpentine bush	yes		1	0.5 to 1	resistant		spring					•	
	*Bursaria	<i>spinosa</i> ssp. spinosa	Christmas bush	yes	yes	2 to 4	1 to 3	resistant		late spring to late summer	Υ					•
	Callistemon	rugulosus	scarlet bottlebrush	yes	yes	2 to 4	3 to 4	resistant		summer	Υ		•	•	•	
	Calytrix	tetragona	fringe myrtle	yes	yes	1 to 2	1 to 2	resistant		spring					•	
	Correa	backhouseana	velvet correa	yes	yes	1 to 2	2 to 3	mod. sensitive		yellow						•
	Correa	pulchella		yes	yes	1	1	mod. sensitive		winter	Υ	•				
	Correa	reflexa	native fuchsia	yes	yes	0.5 to 1	1	resistant		winter to spring	Υ		•	•	•	
	Daviesia	brevifolia	leafless bitter-pea	yes	yes	0.6 to 1.5	0.5 to 1	resistant		spring		•	•			
	Dillwynia	hispida	red parrot- pea	yes	yes	0.2 to 0.6	0.3 to 1	mod. sensitive		spring		•	•			
	Dodonaea	baueri		yes	no	0.2 to 1	0.5 to 1.5	resistant	N/A	summer to autumn	Υ		•	•	•	•
	Dodonaea	hexandra	horned hop bush	yes	no	0.5	0.5 to 1.5	resistant	N/A	winter to spring	Υ		•			
	Dodonaea	humilis	dwarf hop bush	yes	no	0.2	1	mod. sensitive	N/A	summer to autumn	Υ		•			
	Dodonaea	viscosa	sticky hop bush	yes	no	2 to 4	2 to 4	resistant	N/A	spring to autumn			•	•	•	•
	Enchylaena	tomentosa var. tomentosa	ruby saltbush	yes		0.3 to 1	0.5 to 1.5	resistant	N/A	spring to summer				•	•	
	Eremophila	glabra	tar bush	yes	yes	1	1 to 2	resistant		all year				•		
	Eutaxia	diffusa	spreading mallee-pea	yes		0.5 to 1	1 to 1.5	Mod. sensitive		spring				•		
	Eutaxia	microphylla	mallee bush-pea	yes		0.5 to 2	2 to 2	Mod. sensitive		spring				•		•
Shrub	Goodenia	amplexans	clasping goodenia	yes	yes	0.5 to 1.2	0.5 to 1	mod. sensitive		spring to summer						•
	Grevillea	ilicifolia	holly grevillea	yes	yes	0.1 to 0.2	0.2 to 0.5	mod. sensitive		winter to summer			•		•	
	Hakea	mitchellii	desert hakea	yes	yes	1 to 4	1 to 3	resistant		summer		•	•	•		•
	Hakea	rostrata	beaked hakea	yes	yes	1 to 2	1 to 2	mod. sensitive		winter to spring	Υ	•	•		•	
	Hakea	rugosa	dwarf hakea	yes	yes	1 to 2	1 to 2	mod. sensitive		winter to spring	Υ		•	•	•	•
	Hibbertia	empetrifolia	scrambling guinea flower	² buzz pollinated	no	0.5 to 1	1 to 2	mod. sensitive		spring		•	•			
	Lasiopetalum	baueri	slender velvet bush	² buzz pollinated		0.5 to 1.5	1 to 2	resistant		spring to summer		•	•	•	•	•
	Lasiopetalum	discolour	costal velvet bush	² buzz pollinated		0.5 to 1.5	0.5 to 2	mod. sensitive		winter to spring						•
	Lasiopetalum	schulzenii	drooping velvet bush	² buzz pollinated		0.5 to 1.5	0.5 to 2	mod. sensitive		spring to summer		•	•		•	
	*Leptospermum	continentale	prickly tea- tree	yes	yes	0.5 to 2	1 to 2	resistant		spring to summer	Υ	•	•		•	
	*Leptospermum	myrsinoides	prickly tea- tree	yes	yes	1 to 4	1 to 4	resistant		spring	Υ	•			•	
	Melaleuca	acuminata	mallee honey myrtle	yes	yes	2 to 4	2	mod. sensitive		spring				•	•	•
	Melaleuca	brevifolia	white flowered paperbark	yes	yes	2 to 4	2 to 4	resistant		spring to summer	Y		•		•	
	Melaleuca	gibbosa	slender honey myrtle	yes	yes	2 to 3	2 to 3	mod. sensitive		summer	Υ	•	•	•	•	
	Melaleuca	uncinata	broom bush	yes	yes	2 to 3	1 to 2	mod. sensitive		summer	Υ	•	•	•	•	•
	Myoporum	petiolatum	sticky boobialla	yes	yes	1 to 2.5	1 to 3	resistant		winter to summer				•		
	Rhagodia	candolleana ssp. candolleana	seaberry saltbush	yes		1 to 1.5	1 to 1.5	mod. sensitive	N/A	winter to spring				•	•	











Habit	Genus	Species	Common name	Floral res	cource	Height (m)	Width (m)	Tolerance to frost	Flower colour	Flowering time	Available locally?	Springs Road	Branch Creek Road	Gum Creek Road	Boundary Road	Cordes Road
Shrub	Senecio	odoratus	scented groundsel	yes	yes	0.5 to 1.5	0.5 to 1.5	resistant		spring					•	
Siliub	Thryptomene	ericaea		yes	yes	1	1 to 2	mod. sensitive		spring to summer					•	
	Dianella	brevicaulis	native flax- lily	² buzz pollinated		0.3 to 0.5	0.5 to 2	Resistant		spring to summer		•	•	٠	•	•
	Dianella	<i>revoluta</i> var. revoluta	black- anther flax- lily	² buzz pollinated	no	0.3 to 1	0.5 to 2	resistant		spring to summer	Υ				•	
Strap	Lomandra	micrantha	small- flower mat- rush	yes	yes	0.2 to 0.8	0.2 to 0.9	resistant		autumn to spring			•		•	
leaved	Orthrosanthus	multiflorus	morning iris	yes	yes	0.3 to 0.6	0.4 to 1	mod. sensitive		spring	Y	•	•	•	•	•
	Xanthorrhoea	semiplana ssp. semiplana	grass tree	yes	yes	1 to 3	1 to 2	mod. sensitive		winter to spring	Υ	•	•			
	Xanthorrhoea	<i>semiplana</i> ssp. tateana	grass tree	yes	yes	1 to 3	1 to 2	mod. sensitive		winter to spring	Υ				•	
	Austrostipa	elegantissima	feather spear- grass	yes	no	1	1	resistant		winter to spring			•	•	•	
	Austrostipa	mollis	soft spear- grass	yes		0.5 to 1	< 0.5	resistant		winter to spring			•	•	•	
	Austrostipa	nitida	Balcarra grass	yes	no	1	0.5	resistant		winter to spring			•	•	•	
	Austrostipa	nodosa	tall spear grass	yes	no	0.5 to 1	0.5 to 1	resistant		spring to summer			•	•	•	
	Einadia	nutans	climbing saltbush	yes		0.5	1	resistant	N/A	spring				•		
	Glischrocaryon	behrii	golden pennants	yes	yes	0.2 to 1.2	0.5 to 1	mod. sensitive		spring to summer					•	
	Goodenia	blackiana	native primrose	yes	yes	0.1 to 0.2	0.2 to 0.5	mod. sensitive		winter to spring		•				
	Goodenia	varia	sticky goodenia	yes	yes	0.1 to 0.6	0.5to 1.5	mod. sensitive		winter to spring						•
	Isopogon	ceratophyllus	wild Irishman	yes	yes	0.5 to 1	0.5 to 1	mod. sensitive		spring		•	•			
	Kennedia	prostrata	scarlet runner or running postman	yes	yes	0.1	1.5 to 4	mod. sensitive		winter to spring		•	•	•		
Ground cover	Microlaena	stipoides var. stipoides	weeping rice-grass	yes	no	0.1 to 0.7	0.2 to 1	mod. sensitive		spring to summer			•			
	Poa	labillardieri	tussock- grass	yes	no	0.3 to 1	0.3 to 0.7	resistant		spring to summer					•	
	Prostanthera	chlorantha	green mintbush	yes	yes	0.5	0.5	mod. sensitive		spring			•	•	•	
	*Rytidosperma	caespitosum	common wallaby grass	yes	no	0.2 to 0.8	0.1 to 0.3	resistant		spring			•	•	•	
	*Rytidosperma	geniculatum	kneed wallaby grass	yes	no	0.1 to 0.5	0.1 to 0.3	resistant		spring to autumn			•	•	•	
	*Rytidosperma	pilosum	velvet wallaby grass	yes	no	0.2 to 0.9	0.4	resistant		spring to summer			•	•	•	
	Scaevola	aemula	fairy fan flower	yes	yes	0.3 to 0.5	0.3 to 1	mod. sensitive		all year				•		
	Thryptomene	ericaea		yes	yes	1 to 2	1 to 2	mod. sensitive		winter to spring		•	•	•		
Rushes	Juncus	kraussii	sea rush	yes		0.5 to 1	0.5 to 1	resistant		frequent			•			
	Juncus	pallidus	pale rush	yes		0.5 to 2	0.5 to 2	resistant		spring to summer		•	•	•	•	
Climber (outside vineyard)	Clematis	microphylla	small- leaved clematis	yes	yes	climber	1 to 2	mod. sensitive		winter to summer	Y	•	•	•	•	•











Notes

- ¹Acacia flowers do not produce nectar. However, the leaf and phyllode glands do secrete a nectar or sugary substance which bees, butterflies and other insects have been observed feeding on.
- *Growers are encouraged to explore the use of *Bursaria spinosa*, *Leptospermum* ssp. and *Rytidosperma* ssp. as insectary plants in and around their vineyards (Retallack et al., 2019). It is anticipated a broader suite of native insectary plants could extend the richness and abundance of predatory arthropods in vineyards.
- ² **Buzz pollination:** Some native bees use a special pollination technique called 'buzz pollination' (sonication) i.e. the bluebanded bee, bangs its head on the flower's anthers 350 times a second to release the pollen. Plants from the Solanaceae (nightshade) family (tomatoes, capsicums and eggplants) and many Australian native plants including *Hibbertia* ssp. and *Dianella* ssp. are buzz pollinated. These plants have the capacity to boost biodiversity and support populations of native bees but their pollen resources may not be readily available to predatory arthropods.

More information?

If you would like to find out more information about individual plants. Visit the Botanic Gardens of SA 'Plant Selector' http://plantselector.botanicgardens.sa.gov.au. Enter your postcode and press search. View the results and export data to retain a copy. The Excel spreadsheet contains detailed notes about each plant and its suggested uses.

The Adelaide and Mount Lofty Ranges Natural Resources Management Board local plant catalogue provides a useful guide when selecting plants http://plantselector.naturalresources.sa.gov.au

Local native plant nursery										
Company	Contact	Address	Contact details	Website						
Kangaroo Island Landscape Board's native plant nursery	Veronica Bates	22b Telegraph Road, Kingscote, SA	T: (08) 8553 4444 E: KI.LandscapeBoard@sa.gov.au	https://www.landscape.sa.gov.au/ki/plants-and-animals/native-plants/native-plant-nursery						

Continue your search for useful information here

- Australian National Botanic Gardens https://www.anbg.gov.au/search/index.html
- Backyards4Wildlife https://www.landscape.sa.gov.au/hf/plants-and-animals/native-plants-animals-and-biodiversity/urban-biodiversity/b4w-native-species
- Botanic Gardens of SA plant selector http://plantselector.botanicgardens.sa.gov.au
- Insects of Kangaroo Island
 https://www.landscape.sa.gov.au/files/sharedassets/kangaroo_island/plants_and_animals/native_animals/insects/ki-insects-all-final-bleed.pdf
- Kangaroo Island Landscape Board https://www.landscape.sa.gov.au/ki/plants-and-animals/native-plants
- Kangaroo Island Coastal Gardens planting guide
 https://www.landscape.sa.gov.au/files/sharedassets/kangaroo island/plants and animals/pest plants/coastal garden s-ki v4 small.pdf
- Natural predators of vineyard insect pests https://www.wgcsa.com.au/natural-predators-of-vineyard-insect-pests-booklet.html
- Natural Resources Adelaide and Mount Lofty Ranges Native grasses: A regional guide https://www.naturalresources.sa.gov.au/files/sharedassets/adelaide and mt lofty ranges/land/native-grasses-2017.pdf
- Seeds of South Australia https://spapps.environment.sa.gov.au/SeedsOfSA/scientificsearch.html
- State Flora catalogue https://www.stateflora.sa.gov.au/buy-plants/how-to-order/catalogue









Thank you to our project partners!























































Acknowledgement of country

The EcoVineyards project acknowledges Aboriginal people as the First Peoples and Nations of the lands and waters we live and work upon and we pay our respects to their Elders past, present and emerging. We acknowledge and respect the deep spiritual connection and the relationship that Aboriginal and Torres Strait Islander people have to Country.

Disclaimer

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For more info about the EcoVineyards project see https://www.wgcsa.com.au/ecovineyards.html







