

Viridans FIS-VFD Tutorial 3 - USB

Task:

Use the FIS to find winter-flowering shrubs in the Big Desert area.

- Locate the Big Desert on a map of Victoria.
- Draw an outline around the Big Desert and surrounds.
- Search the FIS database for all records within that area.
- Create a list of all species within the search area.
- Generate a subset of that list containing only species categorised as shrubs which flower in the winter.
- Export the list as Rich Text file (RTF) that can be loaded into a word processor.

The products of this task should be:

- A Rich Text file containing a list of winter-flowering shrubs found in or near the Big Desert.

~~Site Data Multi-maps Land Use (1:1,000,000-1:400,000)~~
~~Site Data Multi-maps Land Use (1:1,000,000-1:100,000 Low Contrast)~~

- Site Data 1:100,000 Land Use
- Site Data 1:250,000 Land Use
- Site Data 1:100,000 Melbourne EVCs
- Site Data 1:1,000,000 Map Themes
- Edit Site Data
- Site Data Printouts
- Subset Data from a List of Sites
- Incorporate Site Data
- Data Validation
- Repair Database Files
- Sites on Species Attributes
- Header Search
- Climate Profiles
- Similarity Analysis
- Nearest Neighbour Analysis
- Two-way Table Sorting
- Character Species
- Data Export
- Help
- Close



Full Species List

Area Species List

[Search an Area](#)

Select and Plot Sites

Plot multiple species

Help

Close



FIS 2013 - Multi-Map

Lon-Lat: +141°49'03" -35°32'54" Accuracy Save Sites Higher Res Lower Res Lowest

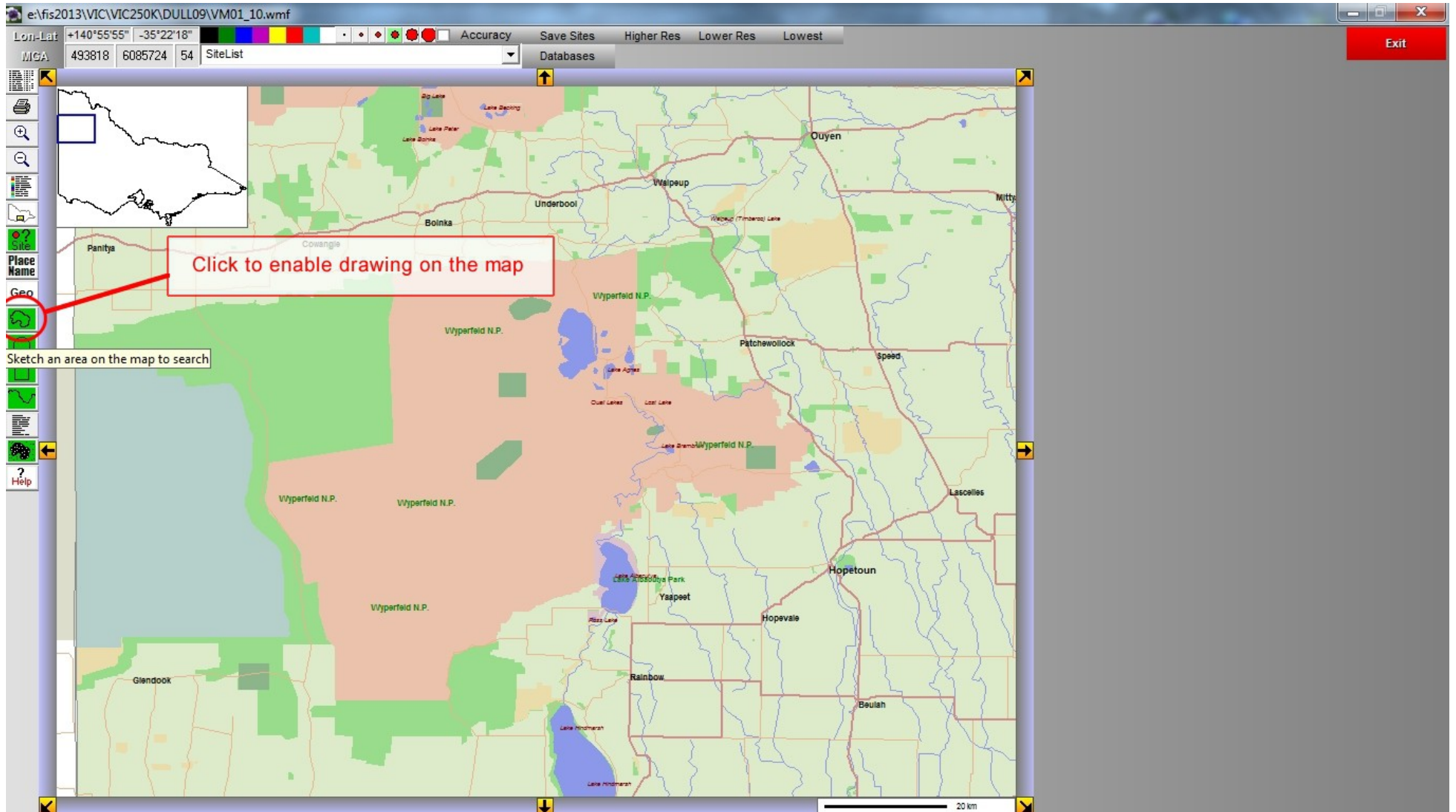
MGA: 322037 5903244 55 SiteList Databases

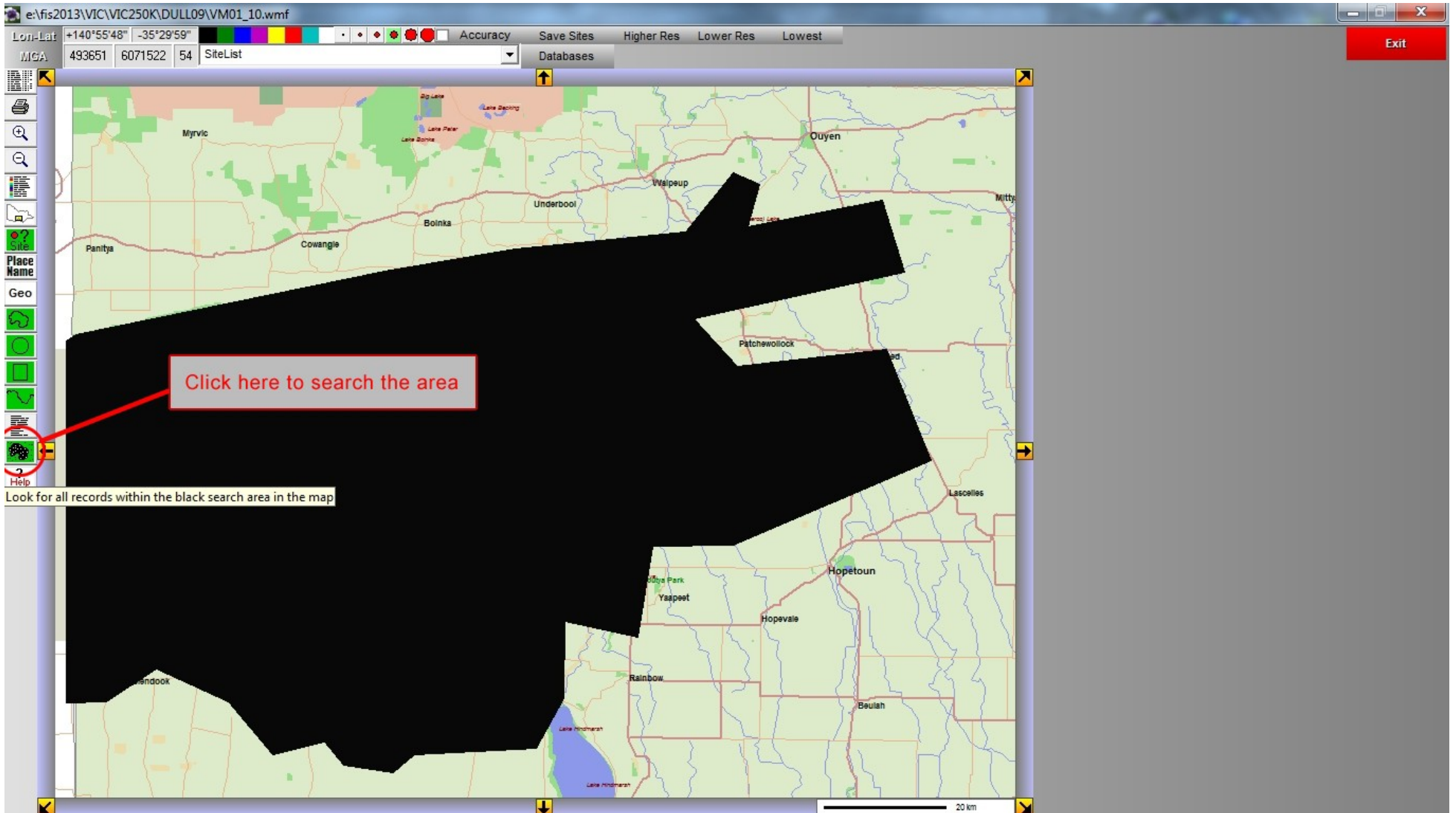
Click the map anywhere and load a higher resolution map tile

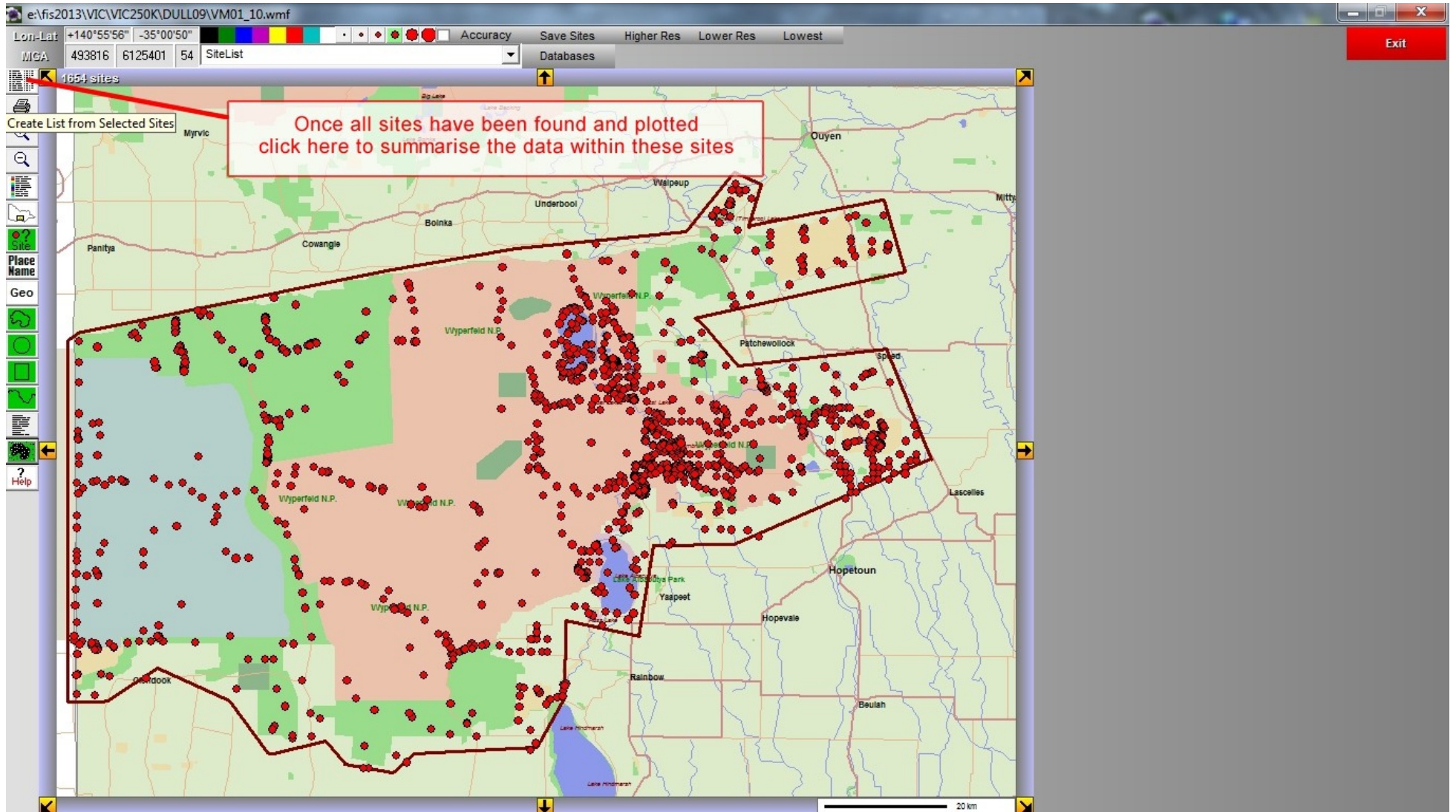
Click to enable higher resolution maps

Next: Click on the centre of the Big Desert

100 km







Scientific Name Order : Area List : 975 species

Click on column buttons for interpretation of this list

F	A	S	O	Scientific Name	Common Name	Family Name	Frequency
		v		Abrotanella nivigena	Snow-wort	Asteraceae	.1%[1]
		*		Abutilon theophrasti	Chingma Lantern		.1%[1]
				Acacia acinacea s.l.	Gold-dust Wattle	Mimosaceae	2.5%[23]
		v		Acacia ancistrophylla var. lissophylla	Dwarf Myall	Mimosaceae	.1%[1]
				Acacia brachybotrya	Grey Mulga	Mimosaceae	11.3%[102]
				Acacia euthycarpa	Wallowa	Mimosaceae	10.1%[92]
				Acacia euthycarpa subsp. euthycarpa	Wallowa	Mimosaceae	2%[2]
f	V	v		Acacia glandulicarpa	Hairy-pod Wattle	Mimosaceae	.1%[1]
				Acacia hakeoides	Hakea Wattle	Mimosaceae	5.8%[53]
				Acacia halliana	Hall's Wattle	Mimosaceae	.1%[1]
				Acacia ligulata	Small Cooba	Mimosaceae	7.7%[70]
		r		Acacia lineata	Streaked Wattle	Mimosaceae	.1%[1]
				Acacia microcarpa s.l.	Manna Wattle	Mimosaceae	2.5%[23]
				Acacia microcarpa s.s.	Manna Wattle	Mimosaceae	.1%[1]
				Acacia montana	Mallee Wattle	Mimosaceae	.8%[8]
				Acacia myrtifolia	Myrtle Wattle	Mimosaceae	3%[3]
				Acacia oswaldii	Umbrella Wattle	Mimosaceae	3.5%[32]
				Acacia paradoxa	Hedge Wattle	Mimosaceae	.1%[1]
				Acacia pycnantha	Golden Wattle	Mimosaceae	2.2%[20]

Click here to access the filter options

Exit

Help

Set Filters - Full

Apply Filters

Set Filters - Quick

Show Current Filters

Print or Export List in Alphabetic Order

Print or Export List in Systematic Order

Plot Distribution Map

Databases

Print Picture Text and Map

Display Larger Picture

Image 1 of 1

General Appearance: A shrub, to 2.5 m tall, with small, rounded 'leaves' and golden yellow, globular flower clusters, arising from leaf axils on short stalks.

Leaves: (Phyllodes) Obovate, fairly stiff, slightly asymmetric, to 3 cm x 13 mm, blue-green, tip rounded with a hard point, midvein more or less prominent.

Flowers: Clustered into stalked, globular heads, to 6 mm wide. (Jul Aug Sep Oct)

Fruit: A more or less straight, cylindrical, pod, to 9 cm x 8 mm, slightly constricted between the seeds.

Notes: Records near Melbourne and Canberra are probably naturalised.

Authority: Benth.

Other States: NSW SA

Commonly Associated Trees: *Eucalyptus leptophylla*, *Eucalyptus costata* subsp. *murrayana*, *Eucalyptus dumosa*, *Eucalyptus socialis*

Annual Rainfall: 269 to 481 mm



Photographer: Paul Gullan/Viridans Images

Highlight any technical word then right-click mouse to find its meaning

Select these three options in order

The screenshot shows the 'Filters' application interface with the following components:

- Filter Groups:** A list of filter groups including 'Characters Useful for Identification', 'Flower Characters', 'Leaf Characters', 'Plant Classification', 'Conservation', 'Weed Status', 'Uses', and 'Miscellaneous Characters'. The first option is selected.
- Filter Categories:** A list of categories under 'General Appearance' including 'Flower Type', 'Main Flower Colour', 'Other Flower Colours', 'Leaf size', 'Leaves toothed or lobed', 'Leaves divided into segments', 'Leaves hairy', 'Leaves fleshy or succulent', 'Fruit fleshy or succulent', and 'Plants prickly or spiny'. The first option is selected.
- List of Characters:** A scrollable list of character types including 'Large Tree', 'Large Shrub to Medium Tree', 'Mallee Tree', 'Shrub', 'Small Shrub', 'Prostrate Shrub', 'Large Forb/Herb', 'Medium Forb/Herb', 'Small Forb/Herb', 'Prostrate or Mat-forming Forb/Herb', 'Large Tufted grass/sedge', 'Medium Tufted grass/sedge', 'Small Tufted grass/sedge', 'Tiny Tufted grass/sedge', 'Large Non-tufted grass/sedge', 'Medium Non-tufted grass/sedge', and 'Small Non-tufted grass/sedge'. 'Shrub' is selected.
- Filter Type:** A dropdown menu with 'All Categories' selected.
- Buttons:** 'Save Filters and Exit', 'Cancel', 'Help', 'Add to List', 'Clear List', and 'Delete Selected Items'.

Select these three options in order

The screenshot shows the 'Filters' application window with three main panels: 'Filter Groups', 'Filter Categories', and 'List of Characters'. In the 'Filter Groups' panel, 'Flower Characters' is selected. In the 'Filter Categories' panel, 'Flowering Time' is selected. In the 'List of Characters' panel, 'Flowers in Winter' is selected. Below the 'List of Characters' panel is an 'Add to List' button, which is circled in red. Below that is a 'Characters to use in Filter' panel, which contains 'Shrub' and 'Flowers in Winter'. At the bottom of the window, there is a 'Save Filters and Exit' button, also circled in red, along with 'Cancel' and 'Help' buttons.

Click to return to the species list

Save Filters and Exit

Click to apply the selected filters

Click on column buttons for interpretation of this list

F	A	S	O	Scientific Name	Common Name	Family Name	Frequency
		v		Abrotanella nivigena	Snow-wort	Asteraceae	.1%[1]
		*		Abutilon theophrasti	Chingma Lantern	Malvaceae	.1%[1]
				Acacia acinacea s.l.	Gold-dust Wattle	Mimosaceae	2.5%[23]
		v		Acacia ancistrophylla var. lissophylla	Dwarf Myall	Mimosaceae	.1%[1]
				Acacia brachybotrya	Grey Mulga	Mimosaceae	11.3%[102]
				Acacia euthycarpa	Wallowa	Mimosaceae	10.1%[92]
				Acacia euthycarpa subsp. euthycarpa	Wallowa	Mimosaceae	2%[2]
f	V	v		Acacia glandulicarpa	Hairy-pod Wattle	Mimosaceae	.1%[1]
				Acacia hakeoides	Hakea Wattle	Mimosaceae	5.8%[53]
				Acacia halliana	Hall's Wattle	Mimosaceae	.1%[1]
				Acacia ligulata	Small Cooba	Mimosaceae	7.7%[70]
		r		Acacia lineata	Streaked Wattle	Mimosaceae	.1%[1]
				Acacia microcarpa s.l.	Manna Wattle	Mimosaceae	2.5%[23]
				Acacia microcarpa s.s.	Manna Wattle	Mimosaceae	.1%[1]
				Acacia montana	Mallee Wattle	Mimosaceae	.8%[8]
				Acacia myrtifolia	Myrtle Wattle	Mimosaceae	3%[3]
				Acacia oswaldii	Umbrella Wattle	Mimosaceae	3.5%[32]
				Acacia paradoxa	Hedge Wattle	Mimosaceae	.1%[1]
				Acacia pycnantha	Golden Wattle	Mimosaceae	2.2%[20]

Exit

Help

Set Filters - Full

Apply Filters

Set Filters - Quick

Show Current Filters

Print or Export List in Alphabetic Order

Print or Export List in Systematic Order

Plot Distribution Map

Databases

Print Picture Text and Map

Display Larger Picture

Image 1 of 1

General Appearance: A shrub, to 2.5 m tall, with small, rounded 'leaves' and golden yellow, globular flower clusters, arising from leaf axils on short stalks.

Leaves: (Phyllodes) Obovate, fairly stiff, slightly asymmetric, to 3 cm x 13 mm, blue-green, tip rounded with a hard point, midvein more or less prominent.

Flowers: Clustered into stalked, globular heads, to 6 mm wide. (Jul Aug Sep Oct)

Fruit: A more or less straight, cylindrical, pod, to 9 cm x 8 mm, slightly constricted between the seeds.

Notes: Records near Melbourne and Canberra are probably naturalised.

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Annual Rainfall: 269 to 481 mm



Photographer: Paul Gullan/Viridans Images

Scientific Name Order : Area List : Filtered : 52 species

Click on column buttons for interpretation of this list

F	A	S	O	Scientific Name	Common Name	Family Name	Frequency
				Acacia acinacea s.l.	Gold-dust Wattle	Mimosaceae	2.5%[23]
				Acacia brachybotrya	Grey Mulga	Mimosaceae	11.3%[102]
				Acacia euthycarpa	Wallowa	Mimosaceae	10.1%[92]
f	V	v		Acacia glandulicarpa	Hairy-pod Wattle	Mimosaceae	1%[1]
				Acacia hakeoides	Hakea Wattle	Mimosaceae	1.9%[15]
				Acacia halliana	Hall's Wattle	Mimosaceae	1.1%[1]
				Acacia myrtifolia	Myrtle Wattle	Mimosaceae	3%[3]
				Acacia paradoxa	Paradoxa Wattle	Mimosaceae	.1%[1]
				Acacia rigens	Rigens Wattle	Mimosaceae	7.8%[71]
				Acacia sclerophylla var. sclerophylla	Hard leaf Wattle	Mimosaceae	1.7%[16]
			v	Acacia trineura	Three-nerve Wattle	Mimosaceae	1.2%[11]
				Acacia wilhelmiana	Dwarf Nealie	Mimosaceae	.1%[1]
				Adriana urticoides var. hookeri	Mallee Bitter-bush	Euphorbiaceae	2.2%[20]
				Allocasuarina mackliniana	Western Sheoak	Casuarinaceae	2.5%[23]
				Allocasuarina mackliniana subsp. xerophila	Western Sheoak	Casuarinaceae	.1%[1]
				Allocasuarina muelleriana subsp. muelleriana	Slaty Sheoak	Casuarinaceae	12.8%[116]
				Aotus subspinescens	Mallee Aotus	Fabaceae	23.9%[216]
				Banksia marginata	Silver Banksia	Proteaceae	1.6%[15]
				Banksia ornata	Desert Banksia	Proteaceae	13.8%[125]
				Redue tomanina subsp. vestita	Mitell's Redue	Euphorbiaceae	16.6%[145]

This list of 52 species contains only plants that are categorised as shrubs that are known to flower in winter.

Click to save or print this list

Exit

Help

Set Filters - Full

Undo Filters

Set Filters - Quick

Show Current Filters

Print or Export List in Alphabetic Order

Print or Export List in Systematic Order

Plot Distribution Map

Databases

Print Picture Text and Map

Display Larger Picture

Image 1 of 8

General Appearance: A fairly dense, spreading shrub to 1.5 m tall with small, dark olive-green leaves, and yellow, globular flower clusters, arising from leaf axils on short stalks.

Leaves: Simple (phyllodes), alternate, sessile on angular, glabrous stems, obovate, assymetric about the midvein, 7-15 x 2.5-6 mm, with short point; venation, other than midvein, inconspicuous; gland on upper edge, near leaf base.

Flowers: Clustered in globular, golden-yellow heads, 6-9 mm wide, on fine, glabrous peduncles, 6-10 mm long, borne singly or in pairs in upper leaf axils. (Jul Aug Sep Oct Nov)

Fruit: A twisted or coiled, cylindrical, pod, to 3 cm x 4 mm, constricted between the seeds.

Notes: Records for *Acacia rotundifolia* are included in the distribution data for *A. acinacea*. This species is very similar to *A. acinacea* and is not recognised as distinct by the Flora of Victoria. It differs mainly in the having broader, hairy leaves and more tightly coiled pods.

Authority: sensu Maslin (1996)

Note on Scientific Name: [s.l.] Describes the species 'in the broad sense', that is, it represents an older classification from which some other species have since been split.



Photographer: Paul Gullan/Viridans Images

- Print
- Printer Setup
- Change Heading**
- Save as CSV
- Save as Rich Text
- Rich Text Options
- Help
- Exit

Alter the heading

FIS 2013 - Multi-Map

Species Name	Family Name	Freq
<i>Acacia acinacea</i> s.l. - Gold-dust Wattle	Mimosaceae	2.5%(2)
<i>Acacia brachybotrya</i> - Gre. Hedge	Mimosaceae	11.5%(12)
<i>Acacia euthycarpa</i> - Willows	Mimosaceae	10.1%(9)
<i>Acacia glandulicarpa</i> - Hairy-wood Wattle	Mimosaceae	1%(1)
<i>Acacia haeculodes</i> - Hoop Wattle	Mimosaceae	5.8%(5)
<i>Acacia halliana</i> - Hall's Wattle	Mimosaceae	1%(1)
<i>Acacia myrtilloides</i> - Myrtle Wattle	Mimosaceae	2%(2)
<i>Acacia paradoxa</i> - Hedge Wattle	Mimosaceae	1%(1)
<i>Acacia rigens</i> - Nestle	Mimosaceae	7.3%(7)
<i>Acacia sclerophylla</i> var. <i>sclerophylla</i> - Hard-leaf Wattle	Mimosaceae	1.7%(1)
<i>Acacia trineura</i> - Three-nerve Wattle	Mimosaceae	1.2%(1)
<i>Acacia wilkesiana</i> - Dwarf Nestle	Mimosaceae	1%(1)
<i>Azularia urticoides</i> var. <i>hookeri</i> - Mallee Bitterbush	Euphorbiaceae	2.2%(2)
<i>Allocaeusarina mackintiana</i> - Western Sheoak	Casuarinaceae	2.5%(2)
<i>Allocaeusarina mackintiana</i> subsp. <i>xerophylla</i> - Western Sheoak	Casuarinaceae	1%(1)
<i>Allocaeusarina muelleriana</i> subsp. <i>muelleriana</i> - Slaty Sheoak	Casuarinaceae	12.3%(11)
<i>Azopis subsp. azopis</i> - Mallee Azopis	Faboaceae	23.9%(21)
<i>Banksia marginata</i> - Silver Banksia	Proteaceae	1.8%(1)
<i>Banksia ornata</i> - Desert Banksia	Proteaceae	13.8%(12)
<i>Beryta ismantica</i> subsp. <i>vestita</i> - Mitchell Berry	Euphorbiaceae	16.8%(15)
<i>Boscia velutina</i> - Cactus Boscia	Faboaceae	1%(1)
<i>Chrysanthemoides monnifera</i> - Boneseed	Asteraceae	3%(3)
<i>Correa reflexa</i> - Common Correa	Rubiaceae	14.2%(12)
<i>Davidia areolaris</i> - Mallee Bitterbush	Faboaceae	2%(2)
<i>Davidia ganistifolia</i> s.l. - Broom Bitterbush	Faboaceae	1%(1)
<i>Davidia ulcifolia</i> - Gorse Bitterbush	Faboaceae	1%(1)
<i>Eutaxia microphylla</i> var. <i>diffusa</i> - Spreading Eutaxia	Faboaceae	1%(1)
<i>Eurocarpos aphyllus</i> - Leafless Ballart	Bananiaceae	2%(2)
<i>Eurocarpos sparsus</i> - Broom Ballart	Bananiaceae	7%(6)
<i>Grevillea huagellii</i> - Comb Grevillea	Proteaceae	1.1%(1)
<i>Grevillea platycarpa</i> - Desert Grevillea	Proteaceae	15.2%(14)
<i>Hybanthus floribundus</i> subsp. <i>floribundus</i> - Shrub Violet	Violaceae	4.4%(4)
<i>Salopetalum behrlii</i> - Pink Velvetbush	Sterculiaceae	8.2%(7)
<i>Lycopodium complanatum</i> - Mallee Tea-tree	Myrtaceae	43.8%(39)
<i>Lycopodium myrsinoides</i> - Heath Tea-tree	Myrtaceae	13.8%(12)
<i>Maireana pyramidata</i> - Sago Bush	Chenopodiaceae	1%(1)
<i>Woodfordia glauca</i> - Tree Tobacco	Solanaceae	1%(1)
<i>Nitraria bilobata</i> - Nitrebush	Zygophyllaceae	2%(2)
<i>Olearia minor</i> - Small Daisybush	Asteraceae	1%(1)
<i>Olearia muelleri</i> - Mallee Daisybush	Asteraceae	1%(1)

Change Heading

Accept Cancel

Big Desert Winter Flowering Shrubs

Page 1

- Print
- Printer Setup
- Change Heading
- Save as CSV
- Save as Rich Text**
- Rich Text Options
- Help
- Exit

Save the list in Rich Text Format

Big Desert Winter Flowering Shrubs

Species Name	Family Name	Freq
<i>Acacia acinacea</i> s.l. - Gold-dust Wattle	Mimosaceae	2.5%(2)
<i>Acacia brachybotrys</i> - Grey Hedge	Mimosaceae	11.2%(12)
<i>Acacia eurycarpa</i> - Willows	Mimosaceae	10.1%(9)
<i>Acacia glandulicarpa</i> - Hairy-pod Wattle	Mimosaceae	1%(1)
<i>Acacia haecolosa</i> - Hoop Wattle	Mimosaceae	5.8%(5)
<i>Acacia halliana</i> - Hall's Wattle	Mimosaceae	1%(1)
<i>Acacia myrtifolia</i> - Myrtle Wattle	Mimosaceae	2%(2)
<i>Acacia paradoxa</i> - Hedge Wattle	Mimosaceae	1%(1)
<i>Acacia rigens</i> - Nestle	Mimosaceae	7.3%(7)
<i>Acacia solarophylla</i> var. <i>solarophylla</i> - Hard-leaf Wattle	Mimosaceae	1.7%(1)
<i>Acacia trineura</i> - Three-nerve Wattle	Mimosaceae	1.2%(1)
<i>Acacia wilkesiana</i> - Dwarf Nestle	Mimosaceae	1%(1)
<i>Azaria urticoides</i> var. <i>hookeri</i> - Urticaceae Bitter-bush	Euphorbiaceae	2.2%(2)
<i>Allocasuarina mackintiana</i> - Western Sheoak	Casuarinaceae	2.5%(2)
<i>Allocasuarina mackintiana</i> subsp. <i>xerophylla</i> - Western Sheoak	Casuarinaceae	1%(1)
<i>Allocasuarina multidentata</i> subsp. <i>multidentata</i> - Spiky Sheoak	Casuarinaceae	12.3%(11)
	Faboaceae	23.9%(21)
	Proteaceae	1.8%(1)
	Proteaceae	13.8%(12)
	Euphorbiaceae	16.8%(15)
	Faboaceae	1%(1)
	Asteraceae	3%(3)
	Rubiaceae	14.2%(12)
	Faboaceae	2%(2)
	Faboaceae	1%(1)
	Faboaceae	1%(1)
	Faboaceae	1%(1)
	Burseraceae	2%(2)
	Burseraceae	7%(6)
	Proteaceae	1.1%(1)
	Mimosaceae	16.2%(14)
	Vicariaceae	4.4%(4)
	Sterculiaceae	8.2%(7)
	Myrtaceae	43.8%(39)
	Myrtaceae	13.8%(12)
	Chenopodiaceae	1%(1)
	Solanaceae	1%(1)
	Zygophyllaceae	2%(2)
	Asteraceae	1%(1)
	Asteraceae	1%(1)
	Asteraceae	1.2%(1)
	Rubiaceae	15%(13)
	Thymelaeaceae	1%(1)
	Thymelaeaceae	9%(9)
	Thymelaeaceae	3%(3)
	Thymelaeaceae	9%(9)
	Chenopodiaceae	2.6%(2)
	Cesalpiniaceae	2.2%(2)
	Cesalpiniaceae	3%(3)
	Cesalpiniaceae	1.8%(1)
	Cesalpiniaceae	1%(1)
	Faboaceae	9%(9)

Save As

Organize New folder

File name:

Save as type: Rich Text (*.rtf)

Save Cancel