

WU23

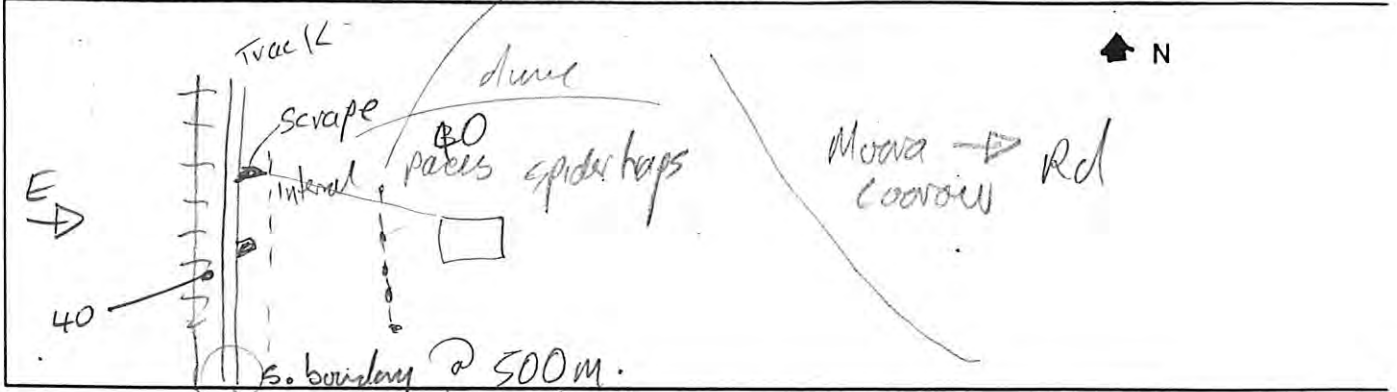
BUSHLAND AREA MARCHAGEE SITE NUMBER ONE
 DATE TRIP 17-4-2000 RECORDERS GK/NG/AW
 DATE TRIP 3-10-2000 RECORDERS NG/AW
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

MGΦ1

1. LOCATION of the QUADRAT

From 'Bushland Plant Survey' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 64 Nedlands WA 6008.

Mud Map Draw a sketch of the location of the site below.



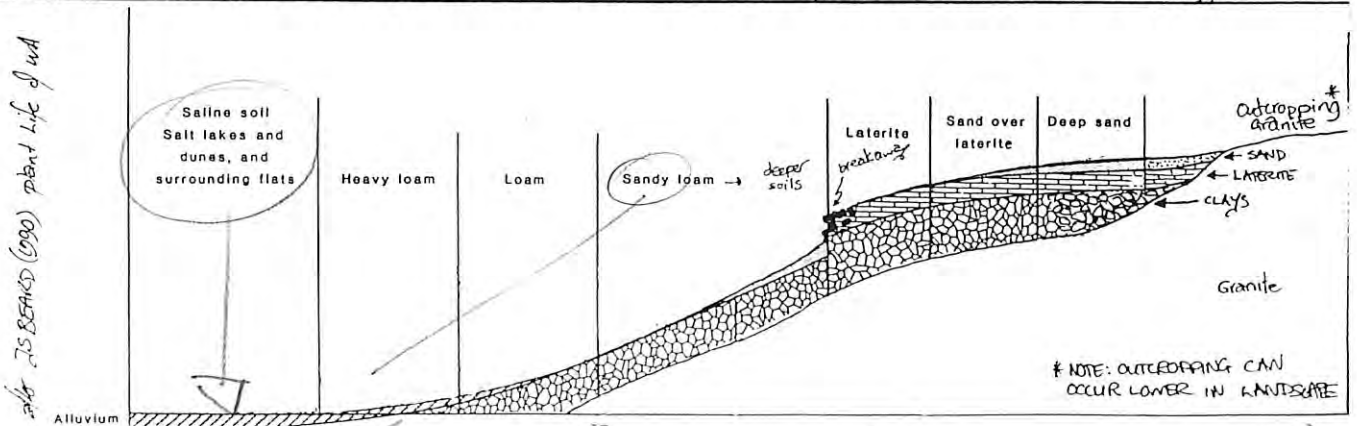
Road Location Marchagee NR

Geographic Location Latitude 29 57 44.4 S Longitude 116 03 58.9 E Altitude 209

Reference Map

Photograph Photographer's Name NG Photo No I

Topographic position Circle position of site on the transect (alter the transect if necessary)



(Site 2.9km S along boundary track from Garranya rd. junction)

2. SITE DATA Circle the correct response.

Slope flat gentle steep Aspect N NE E SE S SW W NW

Surface Soil pink sand Colour
 Exposed rock type % surface

Sub-surface Soil sand Colour
 Rock type depth to rock

Drainage well mod poor depth water cm Wet all year winter/spring
















Litter > 30 30/70 % cover
 Depth 2-10 cm
 Bare Ground 10/30 % cover

BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Mulr)- use pencil only

3. VEGETATION STRUCTURE AND COVER

For each layer record - appropriate life form, cover class (see below) and dominant species in each layer.

Cover Class 2-10% 10-30% 30-70% over 70%

	TREES			MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)					
DOMINANT SPECIES					
					30m 10m
	SHRUBS			SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	L2			30/70	2-10
DOMINANT SPECIES	<i>Eremala</i>			<i>Mel. acerosa</i>	<i>Dryend. lindleyi</i>
					2m 1m
	GRASSES	HERBS	SEDGES	SEDGES	
				over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	L2				10/30
DOMINANT SPECIES					<i>Lyginia</i> - <i>Hesperia laterifl</i>
					1m

4. VEGETATION CONDITION

Comments

excellent rabbits

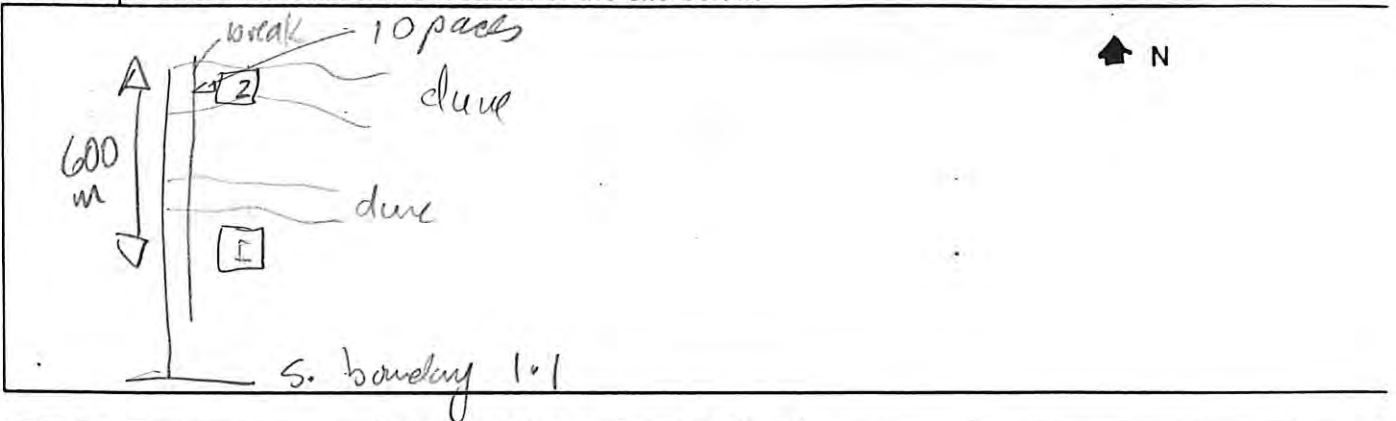
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA MARCHAGEE SITE NUMBER TWO [MG02]
 DATE TRIP 17/4/00 RECORDERS NG/AW/gk [WU24]
 DATE TRIP 3-10-2000 RECORDERS NG/AW
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

1. LOCATION of the QUADRAT

From 'Bushland Plant Survey' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 64 Nedlands WA 6008.

Mud Map Draw a sketch of the location of the site below.

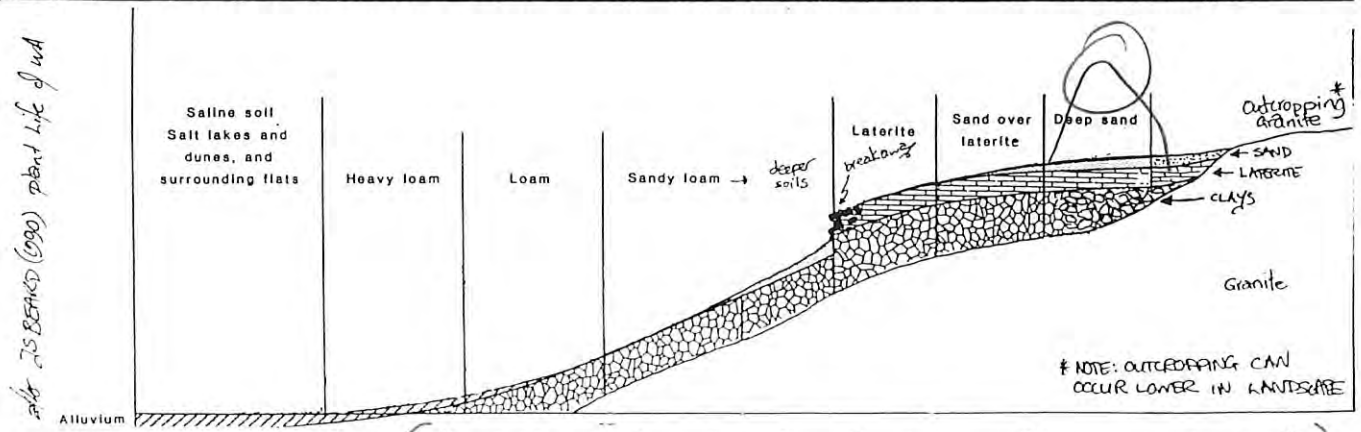


Road Location MARCHAGEE N.R.

Geographic Location Latitude 29 57 22.8 S Longitude 116 03 47.8 E Altitude 3-6
 Reference Map _____

Photograph Photographer's Name NG Photo No 2

Topographic position Circle position of site on the transect (alter the transect if necessary)



(Site 2.3km S along boundary track from Gorranya rd junction)

2. SITE DATA Circle the correct response.



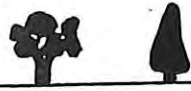











Slope	<input checked="" type="radio"/> flat	<input type="radio"/> gentle	<input type="radio"/> steep	Aspect	<input type="radio"/> N	<input type="radio"/> NE	<input type="radio"/> E	<input type="radio"/> SE	<input type="radio"/> S	<input type="radio"/> SW	<input type="radio"/> W	<input type="radio"/> NW
Surface Soil	type <u>yellow sand</u>							Colour _____				
Exposed rock	type _____							% surface _____				
Sub-surface Soil	type <u>sand</u>							Colour _____				
Rock	type _____							depth to rock <u>75cm</u>				
Drainage	<input checked="" type="radio"/> well	<input type="radio"/> mod	<input type="radio"/> poor	depth water	<input type="radio"/> cm	<input type="radio"/> Wet	<input type="radio"/> all year	<input type="radio"/> winter/spring				
Litter	leaves, twigs			% cover	<u>70</u>			Bare Ground	<u>20/30</u> %cover			
	Depth <u>2-10</u> cm											

BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Mulr)- use pencil only

3. VEGETATION STRUCTURE AND COVER

For each layer record - appropriate life form, cover class (see below) and dominant species in each layer.

Cover Class 2-10% 10-30% 30-70% over 70%

	TREES			MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)			2-10		
DOMINANT SPECIES			<i>B. prionotes</i>		
	SHRUBS			SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10	2-10		L2	L2
DOMINANT SPECIES	<i>B. attenuata</i> <i>P. tryodia</i> <i>N. stricta</i>	<i>Mel. trichop</i> <i>Lech. linear</i>			
	GRASSES		HERBS	SEDGES	over 0.5m
LIFE FORM					
COVER CLASS (%)	L2		L2		10-30
DOMINANT SPECIES					<i>Mesomel -</i> <i>Ecdelocatea</i>

4. VEGETATION CONDITION

Comments

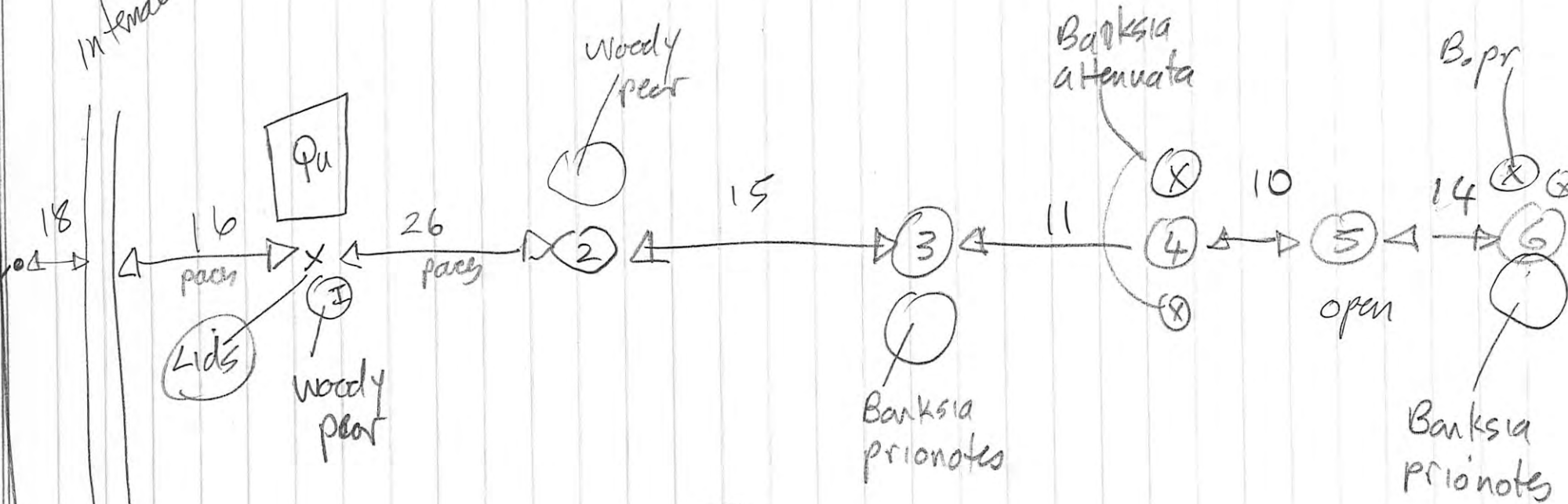
excellent

AS valley

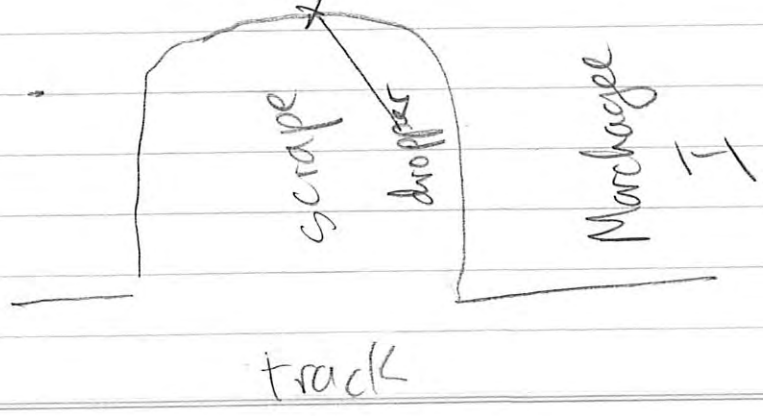
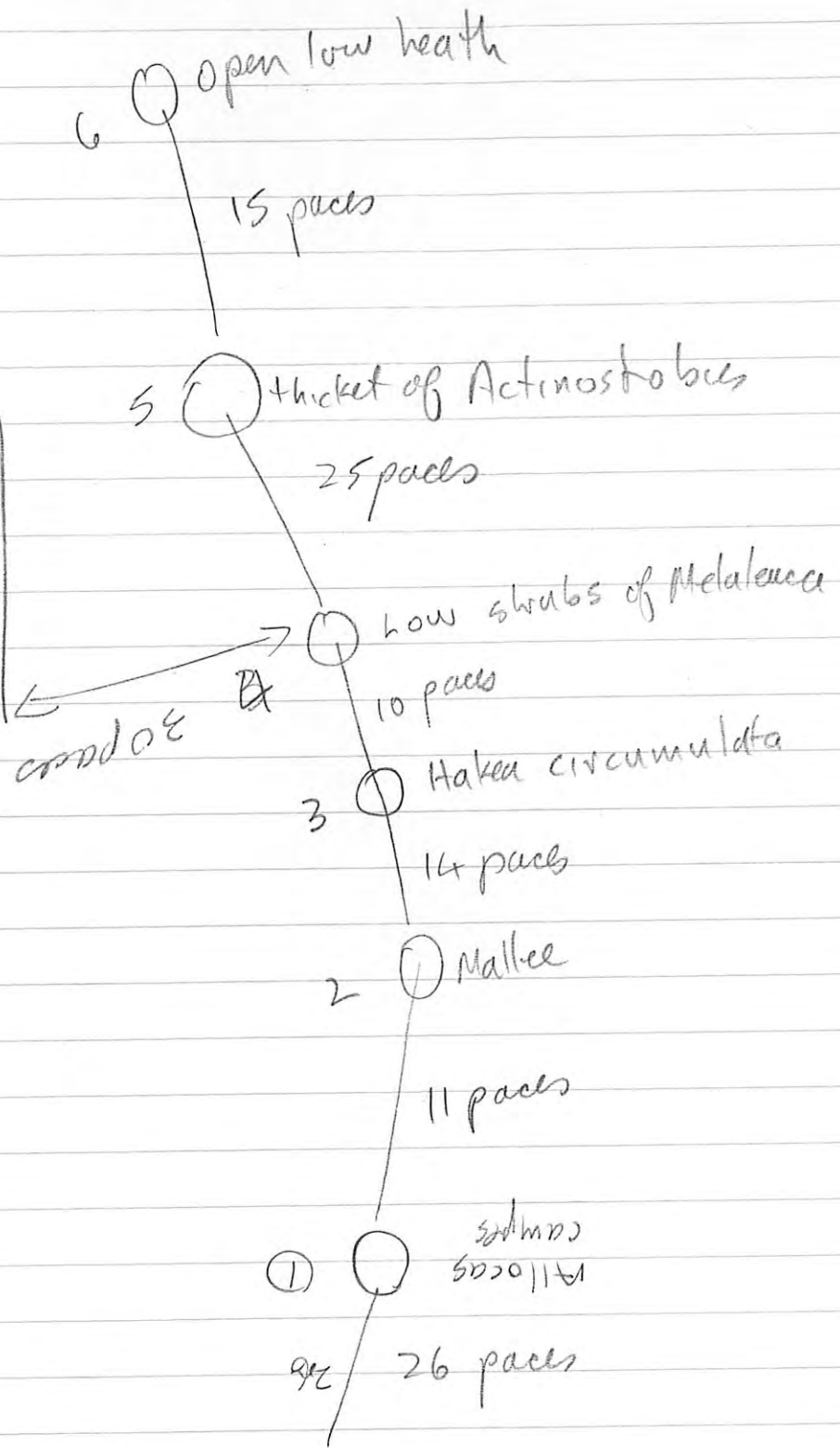
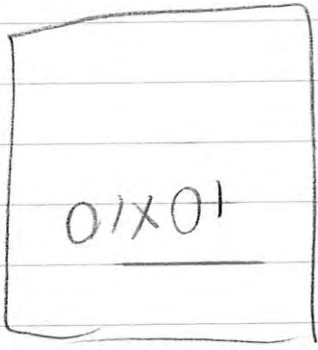
Internal F/bk

peg railway cutting

N
top of tallest hill



Marchagee (2)



**MARCHAGEE NATURE RESERVE
PRELIMINARY FLORA LIST**

**Greg Keighery, Michael Lyons, Neil Gibson and Andrew Webb
MAY, 2000**

NOTES;

Vascular flora totals 297 species comprising 2 Gymnosperms, 78 Monocotyledons and 217 Dicotyledons. Of these 26 are naturalised aliens.

Those species listed as occurring the flats (Melaleuca shrublands, saline) are at most risk from salinity. One species *Acacia eremaea* recorded by Muir in 1977 is already represented by dead individuals only in the reserve.

The number of species is considered to be 70% of that expected when the area is resurveyed in spring. Muir estimated that the flora would be c.200 species but we know no this estimate was too low.

FERNS and GYMNOSPERMS

CUPRESSACEAE

Actinostrobus arenarius	Dunes
Actinostrobus pyramidalis	Flats(edges of wetlands)

MONOCOTYLEDONS

AGAVACEAE

*Agave americana	Dunes
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ANTHERICACEAE

Arthropodium sp	Swales
Borya laciniata	Flats (Melaleuca shrublands)
Corynotheca micrantha	Dunes, swales
Hensmannia stoniella	Swales
Thysanotus patersonii	Flats (Melaleuca shrublands)
Thysanotus sparteus	Swales

CENTROLEPIDACEAE

Aphelia cyperoides	Swales
Centrolepis aristata	Swales
Centrolepis hummillima	Flats (Melaleuca shrublands)
Centrolepis pilosa	Flats (Melaleuca shrublands)
Centrolepis polygyna	Flats (Melaleuca shrublands)

COLCHICACEAE

Burchardia congesta	Swales
Wurmbea sp	Flats (Melaleuca shrublands)

CYPERACEAE

<i>Baumea ?vaginalis</i>	Saline flats
<i>Caustis dioica</i>	Swale
<i>Cyathochaeta equitans</i>	Flats
<i>Cyperus gymnocephalus</i>	Saline flats
* <i>Cyperus tenellus</i>	Flats (Melaleuca shrublands)
<i>Gahnia trifida</i>	Saline flats
<i>Isolepis cernuua</i>	Flats (Melaleuca shrublands)
<i>Isolepis marginata</i>	Flats (Melaleuca shrublands)
<i>Lepidosperma ?resinosum</i>	Lake Dunes
<i>Lepidosperma ?tenue</i>	Swales
<i>Lepidosperma</i> sp 1	Swales
<i>Mesomelaena pseudostygia</i>	Dunes, Swales, flats
<i>Mesomelaena uncinata</i>	Dunes, Swales
<i>Schoenus latitans</i>	Dunes
<i>Schoenus nanus</i>	Flats (Melaleuca shrublands)
<i>Schoenus rigens</i>	Flats
<i>Schoenus sculptus</i>	Flats (Melaleuca shrublands)
<i>Schjoenus</i> sp (Harrismith)	Flats (Melaleuca shrublands)
<i>Schoenus</i> sp 1	Swales
<i>Schoenus</i> sp11	Swales
<i>Tetraria microcarpa</i>	Dunes, Swales

DASYPOGONACEAE

<i>Acanthocarpus canaliculatus</i>	Swales, Flats (Melaleuca shrublands)
<i>Lomandra collina</i>	Lake Dunes

HAEMODORACEAE

<i>Conostylis aculeata</i> subsp. <i>bromelioides</i>	Flats (Melaleuca shrublands)
<i>Conostylis ?setigera</i>	Dunes, Swales
<i>Haemodorum simulans</i>	Swales

HYPOXIDACEAE

<i>Hypoxis galbella</i> subsp. <i>glabella</i>	Flats (Melaleuca shrublands)
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IRIDACEAE

<i>Patersonia occidentalis</i>	Swales
* <i>Romulea rosea</i>	Swales

JUNCACEAE

<i>Juncus bufonius</i>	Flats (Melaleuca shrublands)
* <i>Juncus acutus</i>	Flats (Melaleuca shrublands), disturbed areas

JUNCAGINACEAE

<i>Triglochin minutissima</i>	Flats (Melaleuca shrublands)
<i>Triglochin mucronata</i>	Saline flats

<i>Triglochin nanum</i>	Saline flats
<i>Triglochin stowardii</i>	Flats (Melaleuca shrublands)
PHORMIACEAE	
<i>Dianella revoluta</i>	Dunes, Swales, Lake Dunes
POACEAE	
<i>Agrostis avenacea</i>	Flats (Melaleuca shrublands)
<i>Amphipogon debilis</i>	Flats (Melaleuca shrublands)
<i>Amphipogon turbinatus</i>	Dunes
<i>Aristida ?contorta</i>	Swales
<i>Austrodanthonia</i> sp	Swales
<i>Austrostipa elegantissima</i> (Melaleuca shrublands)	Dunes, Swales, Lake Dunes, Flats
<i>Austrostipa macalpinei</i>	Flats
* <i>Briza maxima</i>	Flats
* <i>Briza minor</i>	Flats (Melaleuca shrublands)
* <i>Bromus rubens</i>	Flats (Melaleuca shrublands)
<i>Eragrostis dielsii</i>	Flats (Melaleuca shrublands)
* <i>Lolium rigidum</i>	Flats (Melaleuca shrublands)
<i>Monocather paradoxa</i>	Swales
<i>Neurachne alopecuroidea</i>	Dunes
* <i>Paraphlois incurva</i>	Saline flats
* <i>Pentaschistis airoides</i>	Flats (Melaleuca shrublands)
* <i>Polypogon monspeliensis</i>	Saline flats
* <i>Rostraria cristata</i>	Flats (Melaleuca shrublands)
<i>Triodia longipalea</i>	Swales
<i>Triodia scariosa</i>	Flats
* <i>Vulpia myuros</i>	Flats (Melaleuca shrublands), saline
RESTIONACEAE	
<i>Alexgeorgea arenicola</i>	Swales
<i>Desmocaldus asper</i>	Lake dunes, wetlands
<i>Ecdeicola monostachya</i>	Dunes, Swales
<i>Harperia lateriflora</i> shrublands)	Dunes, Swales, Flats (Melaleuca
<i>Lepidobolus densus</i>	Dunes, Swales
<i>Lyginia imberbis</i>	Swales
XANTHORRHOEACEAE	
<i>Xanthorrhoea ?drummondii</i>	Dunes

DICOTYLEDONS

AIZOACEAE	
<i>Carpobrotus modestus</i>	Lake dunes
<i>Gunniopsis septifraga</i>	Saline flats
* <i>Mesembryanthemum nodiflorum</i>	Flats (Melaleuca shrublands, saline)
<i>Sarcozona praecox</i>	Saline flats

AMARANTHACEAE

Ptilotus humilis subsp. *humilis*
Ptilotus polystachyus

Swales
Dunes, Swales, Lake dunes

APIACEAE

Hydrocotyle diantha
Hydrocotyle medicaginooides
Hydrocotyle vigintimilla
Trachymene pilosa

Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)

APOCYNACEAE

Alyxia buxifolia

Lake dunes, Saline flats

ASTERACEAE

Actinobole condensatum
**Arctotheca calendula*
Brachycome pusilla
Calotis hispidula
**Cotula bipinnata*
Cotula cotuloides
**Dittrichia graveolens*
Eremophyllum tenuifolium
Gnephosis angianthoides
Gnephosis tridens
Gnephosis uniflora
Hyalospermum globifer
**Hypochaeris glabra*
Dunes, Disturbed
Isoetopsis graminifolia
Olearia dampieri subsp. *eremicola*
Olearia sp
Podolepis capillaris
Pogonolepis stricta
Podotheca chrysantha
Podotheca gnaphaloides
Podotheca unisetata
Senecio glossanthus
Senecio lautus
**Sonchus oleraceus*
**Ursinia anthemoides*

Flats (Melaleuca shrublands)
Disturbed
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Disturbed
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands), Lake
Dunes, Disturbed
Flats (Melaleuca shrublands), Flats
Lake Dunes
Flats
Flats (Melaleuca shrublands), Dunes
Flats (Melaleuca shrublands)
Swale
Swale
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)

CAMPANULACEAE

**Wahlenbergia capensis*
Wahlenbergia preissii

Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)

CARYOPHYLLACEAE

**Spergula* sp

Flats (Melaleuca shrublands)

CASUARINACEAE

Allocasuarina campestris

Lake Dunes

Allocasuarina drummondii

Dunes

Allocasuarina humilis

Flats

Casuarina obesa

Saline flats

CHENOPODIACEAE

**Atriplex prostrata*

Saline flats

Atriplex sp

Saline flats

Chenopodium rhadinocarpum

Saline flats

Didymanthus roei

Saline flats

Enchylaena tomentosa

Flats (Melaleuca shrublands)

Halosarcia doleiformis

Flats (Melaleuca shrublands, saline)

Halosarcia fimbriata

Flats (Melaleuca shrublands, saline)

Halosarcia halocnemoides

Flats (Melaleuca shrublands, saline)

Halosarcia indica subsp. *bidens*

Flats (Melaleuca shrublands, saline)

Halosarcia pergranulata

Flats (Melaleuca shrublands, saline)

Halosarcia syncarpa

Flats (Melaleuca shrublands, saline)

Maireana carnososa

Flats (Melaleuca shrublands, saline)

Maireana glomerata

Flats (Melaleuca shrublands, saline)

Rhagodia drummondii

Flats (Melaleuca shrublands, saline)

Sclerolaena diacantha

Flats (Melaleuca shrublands, saline)

Threlkeldia diffusa

Flats (Melaleuca shrublands, saline)

CHLOANTHACEAE

Lachnostachys eriobotrya

Dunes

CONVULVULACEAE

Wilsonia humilis

Saline Flats

CRASSULACEAE

Crassula exserta

Flats (Melaleuca shrublands)

DILLENiaceae

Hibbertia acicularis

Dunes

Hibbertia uncinata

Dunes

DROSERACEAE

Drosera erythrorhiza

Flats (Melaleuca shrublands)

Drosera ?pulchella

Dunes, Swales

EPACRIDACEAE

Astroloma serratifolium

Swales

Conostephium preissii

Swales

Leucopogon cordatus

Flats

<i>Leucopogon hamulosus</i>	Flats
EUPHORBIACEAE	
<i>Beyeria leschenaultii</i>	Swale
<i>Euphorbia australis</i>	Disturbed
GENTIANACEAE	
* <i>Centaurium erythraea</i>	Flats (Melaleuca shrublands)
<i>Centaurium spicatum</i>	Saline Flats
GOODENIACEAE	
<i>Dampiera carinata</i>	Dune, Swale
<i>Dampiera lavandulacea</i>	Dune
<i>Goodenia berardiana</i>	Swale
<i>Goodenia pinnatifida</i>	Swale
<i>Lechenaultia linearoides</i>	Dune
<i>Lechenaultia floribunda</i>	Swale
<i>Scaevola globosa</i>	Flats (Melaleuca shrublands)
<i>Scaevola humifusa</i>	Swale
<i>Scaevola phlebopetala</i>	Swale
<i>Scaevola spinescens</i>	Lake dune
<i>Scaevola ?repens</i>	Swale
<i>Verrauxia reinwardtii</i>	Dune, Swale
GYROSTEMONACEAE	
<i>Gyrostemon ramulosus</i>	Dune, swale
HALORHAGACEAE	
<i>Glissrocharyon aurea</i>	Dune
<i>Glissrocharyon flavescens</i>	Lakdune
<i>Gonocarpus nodulosus</i>	Flat
LAMIACEAE	
<i>Microcorys</i> sp	Falt
LAURACEAE	
<i>Cassytha flava</i>	Dune, Swale
<i>Cassytha glabella</i>	Swale
<i>Cassytha pomiformis</i>	Dune, Swale
LOBELIACEAE	
<i>Isotoma hypocratiformis</i>	Flats (Melaleuca shrublands)
<i>Isotoma scapigera</i>	Saline flats
<i>Lobelia gibbosa</i>	Flats (Melaleuca shrublands)
LOGANIACEAE	
<i>Phyllangium paradoxum</i>	Flats (Melaleuca shrublands)

MALVACEAE

<i>Alogyne hakeiformis</i>	Flats
<i>Lawrenzia glomerata</i>	Saline flats

MIMOSACEAE

<i>Acacia acuminata</i>	Flats
<i>Acacia blakelyi</i>	Dunes, Swales, Flats
<i>Acacia chapmanii</i> subsp. <i>chapmanii</i>	Swales
<i>Acacia</i> ? <i>coolgardiensis</i>	Flats (Saline)
<i>Acacia eremaea</i>	Saline flats
<i>Acacia latipes</i>	Saline flats
<i>Acacia lasiocalyx</i>	Flats (Melaleuca shrublands)
<i>Acacia leptospermoides</i>	Dunes
<i>Acacia lasiocarpa</i>	Flats
<i>Acacia meisneri</i>	Flats
<i>Acacia pulchella</i> var. <i>goadbeyi</i>	Swale
<i>Acacia saligna</i>	Flats
<i>Acacia signata</i>	Swales
<i>Acacia spathulifolia</i>	Flats
<i>Acacia ulicina</i>	Swales

MYRTACEAE

<i>Balaustion microphyllum</i>	Swales
<i>Baeckea grandis</i>	Swales
<i>Callistemon phoenicus</i>	Saline flat
<i>Calothamnus brevifolius</i>	Swale, Flat
<i>Calothamnus quadrifidus</i>	Swale, Flat
<i>Calytrix angulata</i>	Swale
<i>Calytrix oldfieldii</i>	Dune, Swale
<i>Calytrix platycheiridia</i>	Swale
<i>Calytrix strigosa</i>	Dune
<i>Chamelaucium brevifolium</i>	Dune, Swale
<i>Darwinia capitellata</i>	Saline flats, Lake dune
<i>Darwinia purpurea</i>	Flats
<i>Eremaea beaufortioides</i>	Dune
<i>Eremaea pauciflora</i> var. <i>lochophylla</i>	Dune
<i>Eucalyptus brachcorys</i>	Lake dune
<i>Eucalyptus hypochlamydea</i>	Lake dune
<i>Eucalyptus pyriformis</i>	Swale
<i>Eucalyptus rigidula</i>	Lake dune
<i>Eucalyptus</i> aff. <i>aspera</i> (E.A. Griffin 7183)	Lake dune
<i>Leptospermum erubescens</i>	Dune, Swales
<i>Leptospermum spinescens</i>	Dune, Swales
<i>Melaleuca brevifolia</i>	Dune
<i>Melaleuca acuminata</i>	Flats (Melaleuca shrublands)
<i>Melaleuca lateriflora</i>	Flats (Melaleuca shrublands)
<i>Melaleuca subtrigona</i>	Dunes
<i>Melaleuca seriata</i>	Dunes

<i>Melaleuca thuyoides</i>	Flats (Melaleuca shrublands)
<i>Melaleuca uncinata</i>	Flats (Melaleuca shrublands)
<i>Melaleuca viminea</i>	Flats (Melaleuca shrublands, saline)
<i>Pileanthus peduncularis</i>	Dune
<i>Schotzia capitata</i>	Dune
<i>Schotzia aff teretifolia</i>	Dune
<i>Verticordia centipeda</i>	Dune, Swales
<i>Verticordia endlicheriana</i> var <i>manicula</i>	Dune, Swales
<i>Verticordia grandis</i>	Dune, Swales
<i>Verticordia muellerana</i>	Dune, Swales
<i>Verticordia picta</i>	Dune, Swales
OLACACEAE	
<i>Olax scalariformis</i>	Dunes
OXALIDACEAE	
<i>Oxalis ?perennans</i>	Lake Dune
PAPILLIONACEAE	
<i>Daviesia brevifolia</i>	Swales
<i>Daviesia incrassata</i> subsp. <i>teres</i>	Swales
<i>Daviesia nudiflora</i>	Swales
<i>Jacksonia eremodendron</i>	Dunes
<i>Jacksonia rhadinoclada</i>	Dunes
* <i>Lotus angustissimus</i>	Disturbed
<i>Mirbelia spinosa</i>	Dunes
PLANTAGINACEAE	
<i>Plantago</i> cf. <i>drummondii</i>	Flats (Melaleuca shrublands)
POLYGALACEAE	
<i>Comesperma drummondii</i>	Flats
<i>Comesperma integerrimum</i>	Flats
POLYGONACEAE	
<i>Muehlenbeckia adpressa</i>	Dunes
PORTULACACEAE	
<i>Calandrinia granulifera</i>	Flats (Melaleuca shrublands)
<i>Calandrinia polyandra</i>	Saline flats
PRIMULACEAE	
* <i>Anagallis arvensis</i>	Flats (Melaleuca shrublands)
<i>Samolus repens</i> var <i>floribundus</i>	Flats (Melaleuca shrublands)
PROTEACEAE	
<i>Adenanthos stictus</i>	Dunes, Swales
<i>Banksia attenuata</i>	Dunes

<i>Banksia prionotes</i>	Dunes
<i>Conospermum stoechadis</i>	Dunes, Swales
<i>Dryandra fraseri</i> var <i>fraseri</i>	Swales
<i>Dryandra lindleyana</i>	Swales
<i>Dryandra stricta</i>	Swales
<i>Grevillea didymobotrya</i>	Dunes
<i>Grevillea eriostachya</i>	Dunes
<i>Grevillea hakeoides</i> subsp. <i>stenophylla</i>	Lake dunes
<i>Grevillea integrifolia</i>	Dunes
<i>Grevillea leucopteris</i>	Dunes
<i>Grevillea panniculata</i>	Swales
<i>Grevillea ?tridens</i>	Lake dune
<i>Hakea circumulata</i>	Swale
<i>Hakea lissocarpha</i>	Swale
<i>Hakea platysperma</i>	Dune
<i>Hakea preissii</i>	Saline flats
<i>Persoonia pungens</i>	Dunes
<i>Persoonia ?suandersiana</i>	Saline flats
<i>Petrophile brevifolia</i>	Dunes
<i>Petrophile ericifolia</i>	Dunes, Swales
<i>Petrophile seminuda</i>	Swales
<i>Petrophile shuttleworthiana</i>	Swales
<i>Stirlingia latifolia</i>	Swales
<i>Synaphaea spinulosa</i>	Swales
RHAMNACEAE	
<i>Cryptandra leucophracta</i>	Swales
<i>Stenathemum notiale</i> subsp. <i>notiale</i>	Swales
RUBIACEAE	
<i>Opercularia spermacoce</i>	Flats (Melaleuca shrublands), Lake dunes
<i>Opercularia vaginata</i>	Dunes
RUTACEAE	
<i>Geleznovia verrucosa</i> subsp. <i>verrucosa</i>	Swales
<i>Philotheca brucei</i>	Lake dunes
SANTALACEAE	
<i>Exocarpus aphyllus</i>	Flats (Melaleuca shrublands)
<i>Exocarpus sparteus</i>	Flats (Melaleuca shrublands)
<i>Leptomeria preissiana</i>	Lake dunes
<i>Santalum acuminatum</i>	Flats (Melaleuca shrublands)
SAPINDACEAE	
<i>Dodonaea ceratocarpa</i>	Dunes
SOLANACEAE	

Cypheranthera sp.
*Solanum hystrix
Solanum lasiophyllum

Flats
Disturbed
Swale

STERCULIACEAE

Guichenotia ledifolia
Guivhenotia macrantha
Guichenotia sarotes subsp. immixta

Dunes, Swales
Lake dunes
Swales

STYLIDIACEAE

Stylidium piliferum
Stylidium cf. repens

Dunes
Dunes

STYLOBASIDACEAE

Stylobasium australe
Dunes

Flats (Melaleuca shrublands), Lake

URTICACEAE

Parietaria debilis

Flats (Melaleuca shrublands)

ZYGOPHYLLACEAE

Zygophyllum iodocarpum

Flats (Melaleuca shrublands)

Marchagee 3/10/00 (Box 1/2)

- Austrodanthonia ~~sp.~~
- + Goodenia ~~sp.~~ plesca
- + Goodenia leardiana
- + Spergularia diandra
- + Wahlenbergia capensis
- + Plantago ~~sp.~~ ~~hiipida~~ coronopus
- + Eragrostis dielsii
- + Halgania cyanea
- + Neosciadium glochidiatum
- + Greivillea ~~triloba~~ biternata
- + Persoonia chapmaniana
- + Didymanthus roei
- + Triglochin (sp. C) ~~minutissima~~ sp. elongata
- + Triglochin minutissima
- + Gnaphosia tridens
- + Centrolepis polygyna
- Sp + Drosera parvula
- + An + Ptilothus humilis
- + Ac + Crassula exserta
- + " + Centrolepis polygyna

19/1/01

- Euc. woodland
- + "
- + "
- "
- + "
- + "
- + "
- + "
- + "
- + " around lake Eside Mike plots.
- + E bound.
- + E bound.
- + near MARCH2
- + "
- + "
- + "
- + "
- + "
- + " E boundary
- + "
- + "
- + "

Marchagee 3/10/00 (Box 1/2)

- + Greivillea ~~siphoides~~ laevis
- + Maireana carnea
- + Calytrix ~~bochenaultii~~ ~~stachyphylla~~
- + Podtheca uniseta
- + Schoenus brevifolius
- + Scaevola canescens
- + Lachnostachya eriobotrya
- + Schoenus latitans
- + Minibellia trichocalyx

+ SW saline flat
 + "
 + "
 + "
 + MARCH2
 + "
 + "
 + "
 + "
 - around lake Eside Mike plots
 - "
 - "
 - "
 + "
 + "

- + Juncus bufonius
- + Eremophyllum tenellum
- + Schoenus aff. perisetis
- + Isoplepis congoia
- + Isoplepis marginata - ???

- + Centrolepis cephaliformis
- + Eremaea pauciflora var. calyptea
- + Calytrix strigosa

+ MARCH2
 + MARCH2
 + 203
 + 203
 - 203

- + Guichenotia ledifolia
- + Eremophyllum pubescens
- Austrodanthonia acerosa
- + Gnaphosia angianthoides
- + Opercularia spermocoe
- + Gnaphosia angianthoides

+ 203
 + 203
 + 203
 + around lake Eside Mike

Haemodorum simulans - ADJ No/ reserve

Synaphea spinulosa - near March 2

- Calandrinia calypttrata
- Calandrinia composita
- Stylidium aff. repens
- Homungia procumbens
- Drosera sp.
- Schoenus sp. flarissmith
- Schoenus sp. (perennial)
- Trifolium arvense
- Stylidium leptophyllum
- Disphyma crassifolia
- Gunnopsis quadrifida - ???
- Darwinia drummondii
- + Acacia saligna
- Hyalospermum sp.
- Acacia sp.
- Chamelaucium hypolephyllum
- Acacia sp.

- Wetland flats near S bdy 4/10/00
- "
- "
- "
- "
- "
- "
- "
- "
- Saline NE corner 4/10/00
- "
- "
- "
- "
- "
- "
- "

- Frankonia
- Persoonia chapmanniana
- Platysace aff. teres
- Disphyma rhadinostagia
- Atriplex holocarpa
- Plantago coronopus
- Centaurea erythraea
- Gunnopsis septifraga
- Argemone tomentosa
- Gnephos tridens
- Gnephos
- Thelymitra ~~flava~~ antenifera
- Lobellia gibbosa

- Wland + flats near S bdy 4/10/00
- Wland + flats near S bdy 4/10/00
- "
- "
- "
- "
- "
- "
- SW saline flat + Mel. flat 3/10/00
- "
- "
- "
- "
- "
- "

Marchogee 3/10/00 Box 2/2

7/12/00

~~Darwinia~~

- ✓ Pogonolepis strictus / Samp. NE corner 4/10/00
- ✓ - ~~Daviesia~~ ~~incrassata~~ sp. teres bakkeioides - Wland + Flats Sth bdy 4/10
- ✓ Gompholobium tomentosum / " 4/10
- ✓ - Tradymene filosa + " 4/10
- ✓ Trigonochloa minutissima - " 4/10
- ✓ Centrolepis ~~truncata~~ cephaliformis / " 4/10
- ✓ - Hedyotis rhagadioloides - S bdy dune 4/10
- Opercularia vaginata - MARCH 01 3/10
- Australanthera acerosa - MARCH 01 3/10
- Isotropis cuneifolia - MARCH 01 3/10
- Daviesia incrassata sp. teres - W side yellow sand 3/10
- Mirbelia ? multicaulis - " 3/10
- ✓ - Mirbelia trichocalyx - ~~W~~ - " 3/10
- Dampiera aridcephala - " 3/10/00
- Kerandorenia patens - " "
- Verticordia densiflora - " "
- Ruffia sp. Wetland Sth bdy 4-10-00
- ~~Hedyotis rhagadioloides~~ ~~Sth bdy dune~~ "
- ~~Tradymene filosa~~ Wland + flat Sth bdy "
- Calandrinia glauca - Flat + Flat Sth bdy 4-10-00
- Calandrinia composita " "
- Agrostis avenacea " ?
- Avena horrida " "

Marchagee 3/10/00 (Box 2/2)

- *Brachypone teridipha* - sw saline flat + Mel flat 3/10/00
- *Hypochlamys globifera* - "
- *Spergularia salina* - "
- *Tinglochin stewardii* - "
- *Crassula exsata* - "
- *Cotula cotuloides* - "
- *Calandrinia glandulifera* - "
- *Goodenia berardiana* - "
- *Acacia* - "
- *Baeckea* - "
- *Scholtzia* - "
- *Scaveola humifusus* - "

- *Monochaetha paradoxa* - W side yellow sand 3/10/00
- *Baeckea* - "
- *Cassutha* - "

- *Hakea obliqua* ssp. *parviflora* ??? - W side flats near S boundary 4/10/00
- *Daviesia incrassata* ssp. *teres* - "
- *Schoenus ~~heisteria~~* - "
- *Thysanotus teretifolius* - "
- *Leptomeria preissiana* - "
- *Melaleuca lateriflora* - "
- *Melaleuca* - "
- *Frankenia pauciflora* - ??? - "
- *Goodenia sinatifida* - "

Spergularia media nr. Marchagee #1
 " sp 3 (Fl. Vict) Euc. woodlud.

Frankenia pulverulenta wetland
 Flats nr. Sthn. boundary 4/10/00
Ruppia polycarpa wetland, s. boundary 4/10/00

**MARCHAGEE NATURE RESERVE
PRELIMINARY FLORA LIST**

**Greg Keighery, Michael Lyons, Neil Gibson and Andrew Webb
MAY, 2000**

3/10/00
4/10/00

NOTES;

Vascular flora totals 297 species comprising 2 Gymnosperms, 78 Monocotyledons and 217 Dicotyledons. Of these 26 are naturalised aliens.

Those species listed as occurring the flats (Melaleuca shrublands, saline) are at most risk from salinity. One species *Acacia eremaea* recorded by Muir in 1977 is already represented by dead individuals only in the reserve.

The number of species is considered to be 70% of that expected when the area is resurveyed in spring. Muir estimated that the flora would be c.200 species but we know ~~no~~ this estimate was too low.

FERNS and GYMNOSPERMS

CUPRESSACEAE

- | | |
|-----------------------------|--------------------------|
| / Actinostrobus arenarius | Dunes |
| / Actinostrobus pyramidalis | Flats(edges of wetlands) |

MONOCOTYLEDONS

AGAVACEAE

- | | |
|------------------|-------|
| *Agave americana | Dunes |
|------------------|-------|

ANTHERICACEAE

- | | |
|-------------------------|------------------------------|
| Arthropodium sp | Swales |
| / Borya laciniata | Flats (Melaleuca shrublands) |
| / Corynotheca micrantha | Dunes, swales |
| Hensmannia stoniella | Swales |
| Thysanotus patersonii | Flats (Melaleuca shrublands) |
| Thysanotus sparteus | Swales |
| <i>Thysanotus</i> | Flats (Mel) |

*Thysanotus s/p
dunes*

CENTROLEPIDACEAE

- | | |
|--------------------------|------------------------------|
| Aphelia cyperoides | Swales |
| Centrolepis aristata | Swales |
| / Centrolepis hummillima | Flats (Melaleuca shrublands) |
| / Centrolepis pilosa | Flats (Melaleuca shrublands) |
| / Centrolepis polygyna | Flats (Melaleuca shrublands) |

COLCHICACEAE

- | | |
|---------------------|------------------------------|
| Burchardia congesta | Swales |
| Wurmbea sp | Flats (Melaleuca shrublands) |

- Triglochin nanum
- Triglochin stowardii

Saline flats
Flats (Melaleuca shrublands)

Handwritten notes:
ORUT (1) KESSE
Caladenia flava

PHORMIACEAE
Dianella revoluta

Dunes, Swales, Lake Dunes

POACEAE *A. r. c. c. c. c.*

- Agrostis avenacea
- Amphipogon debilis
- Amphipogon turbinatus
- Aristida ? contorta - *well / hole*
- Austrodanthonia sp - *severe tone*
- Austrostipa elegantissima (Melaleuca shrublands)

Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Dunes
Swales
Swales
Dunes, Swales, Lake Dunes, Flats

Handwritten notes:
Austrostipa sp white bang
Euc wood
Austrostipa sp. 100% / 100%
Austrostipa sp. 100% / 100%
Euc wood (well)

Handwritten notes:
Lg. Stipa Flats
well

Austrostipa macalpinei

Flats

- *Briza maxima
- *Briza minor

Flats
Flats (Melaleuca shrublands)

- *Bromus rubens
- Eragrostis dielsii
- *Lolium rigidum

Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)

- Monocather paradoxa
- Neurachne alopecuroidea
- *Paraphlois incurva

Swales
Dunes
Saline flats

- *Pentastichis airoides
- *Polypogon monspeliensis
- *Rostraria cristata

Flats (Melaleuca shrublands)
Saline flats
Flats (Melaleuca shrublands)

- Triodia longipalea
- Triodia scariosa
- *Vulpia myuros

Swales
Flats
Flats (Melaleuca shrublands), saline

Handwritten notes in box:
Pomarine grass on railway line on SW corner of reserve. Not seen in reserve.

Handwritten notes:
Austrostipa sp. 100% / 100% - well

Handwritten notes:
A. r. c. c. c. c.
3. 100% / 100%
S. 100% / 100%

RESTIONACEAE

- Alexgeorgea arenicola
- Desmocaldus asper
- Ecdeicola monostachya
- Harperia lateriflora (shrublands)
- Lepidobolus densus
- Lyginia imberbis

Swales
Lake dunes, wetlands
Dunes, Swales
Dunes, Swales, Flats (Melaleuca shrublands)
Dunes, Swales
Swales

Handwritten notes:
collected

XANTHORRHOEACEAE

- Xanthorrhoea ? drummondii

Dunes

DICOTYLEDONS

AIZOACEAE

- Carpobrotus modestus
- Gunniiopsis septifraga
- *Mesembryanthemum nodiflorum
- Sarcozona praecox

Lake dunes
Saline flats
Flats (Melaleuca shrublands, saline)
Saline flats

Handwritten notes:
saline flats
Gunniiopsis? sp 2
tree eye

Handwritten notes:
L. r. c. c. c. c.

Handwritten notes:
S. 100% / 100%

AMARANTHACEAE

- ✓ Ptilotus humilis subsp. humilis
- ✓ Ptilotus polystachyus

Swales
Dunes, Swales, Lake dunes

APIACEAE

- Hydrocotyle diantha
- Hydrocotyle medicaginoidea
- Hydrocotyle vigintimilla
- ✓ Trachymene pilosa

Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)

Trachymene pilosa
Trachymene pilosa
Trachymene pilosa

Coastal dunes lake edge
Mel flat.

APOCYNACEAE

- ✓ Alyxia buxifolia

Lake dunes, Saline flats

ASTERACEAE

- Actinobole condensatum
- ✓ *Arctotheca calendula
- ✓ Brachycome pusilla
- Calotis hispidula
- ✓ *Cotula bipinnata
- ✓ Cotula cotuloides
- *Dittrichia graveolens
- ? Eremophyllum tenuifolium
- ✓ Gneposis angianthoides
- ✓ Gneposis tridens
- ✓ Gneposis uniflora
- ✓ Hyalospermum globifer
- ✓ *Hypochaeris glabra

Flats (Melaleuca shrublands)
Disturbed
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Disturbed
Flats (Melaleuca shrublands) = E?
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands), Lake

Stinking Roger - Dist

Saline flat

Moolie Mel flat

E? racemosa subsp. racemosa lake flat mel.

- Dunes, Disturbed
- Isoetopsis graminifolia
- ✓ Olearia dampieri subsp. eremicola
- ✓ Olearia sp
- ✓ Podolepis capillaris
- ✓ Pogonolepis stricta
- ✓ Podotheca chrysantha
- ✓ Podotheca gnaphaloides
- ✓ Podotheca unisetata
- ✓ Senecio glossanthus
- ✓ Senecio lautus
- ✓ *Sonchus oleraceus
- ✓ *Ursinia anthemoides

Flats (Melaleuca shrublands), Flats
Lake Dunes
Flats
Flats (Melaleuca shrublands), Dunes
Flats (Melaleuca shrublands)
Swale
Swale
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)

Aster sp. i. Hydrat. lake edge.

Quinaria v. wellii Mel flat
Siloxenus sp Mel F
Trachymene pilosa Mel flat

CAMPANULACEAE

- ✓ *Wahlenbergia capensis
- ✓ Wahlenbergia preissii

Flats (Melaleuca shrublands)
Flats (Melaleuca shrublands)

- Eric wood.

BRASSICACEAE

All Lepidium Saline flat.

Handwritten scribble

Coastal
still sterile
Pterocarya pumila Swale
? Pterocarya lake edge

Podolepis angustata (or unisetata)

Wahlenbergia Swale Dist

CARYOPHYLLACEAE

*Spargula sp

Flats (Melaleuca shrublands)

Spargula subca

Mel flat

CASUARINACEAE

Allocasuarina campestris

Lake Dunes

Allocasuarina drummondii

Dunes

/ Allocasuarina humilis

Flats

/ Casuarina obesa

Saline flats

CHENOPDIACEAE

*Atriplex prostrata

Saline flats

Atriplex sp

Saline flats

Chenopodium rhadinocarpum

Saline flats

/ Didymanthus roei

Saline flats

/ Enchylaena tomentosa

Flats (Melaleuca shrublands)

Halosarcia doleiformis

Flats (Melaleuca shrublands, saline)

Halosarcia fimbriata

Flats (Melaleuca shrublands, saline)

Halosarcia halocnemoides

Flats (Melaleuca shrublands, saline)

/ Halosarcia indica subsp. bidens

Flats (Melaleuca shrublands, saline)

Halosarcia pergranulata

Flats (Melaleuca shrublands, saline)

Halosarcia syncarpa

Flats (Melaleuca shrublands, saline)

/ Maireana carnososa

Flats (Melaleuca shrublands, saline)

Maireana glomerata

Flats (Melaleuca shrublands, saline)

/ Rhagodia drummondii

Flats (Melaleuca shrublands, saline)

Sclerolaena diacantha

Flats (Melaleuca shrublands, saline)

/ Threlkeldia diffusa

Flats (Melaleuca shrublands, saline)

CHLOANTHACEAE

/ Lachnostachys eriobotrya

Dunes

Maireana sp. *Mel flat*

CONVULVACEAE

/ Wilsonia humilis

Saline Flats

CRASSULACEAE

/ Crassula exserta

Flats (Melaleuca shrublands)

Crassula sp. ? *white*

Flats Mel.

DILLENIACEAE

/ Hibbertia acicularis

Dunes

Hibbertia uncinata

Dunes

Pink Pygmy Dune

DROSERACEAE

/ Drosera erythrorhiza

Flats (Melaleuca shrublands)

Drosera ? *pulchella*

Dunes, Swales

Drosera ? *very* - *white*

Mel flat.

Drosera ? isolata Dune

EPACRIDACEAE

Astroloma serratifolium

Swales

Conostephium preissii

Swales

Leucopogon cordatus

Flats

leaf
in flower
white

Leucopogon hamulosus

Flats *Lydaea ulicina* Dune

EUPHORBIACEAE

Beyeria leschenaultii

Euphorbia australis

monotris subie flat

Swale
Disturbed

*FRANKLINIA
Franklinia sp. (pink fls) saline flat*

GENTIANACEAE

*Centaurium erythraea

Centaurium spicatum

crecidiu large

Flats (Melaleuca shrublands)

Saline Flats

slime flat.

GOODENIACEAE

Dampiera carinata

cell / Dampiera lavandulacea

/ Goodenia berardiana

/ Goodenia pinnatifida

cell / Lechenaultia linearoides

cell / Lechenaultia floribunda

Scaevola globosa

cell - Scaevola humifusa

cell - Scaevola phlebopetala

Scaevola spinescens

/ Scaevola ?repens

/ Verrauxia reinwardtii

Dune, Swale

Dune

Swale

Swale

Dune

Swale

Flats (Melaleuca shrublands)

Swale

Swale

Lake dune

Swale

Dune, Swale

white fls glab. lvs.

Scaevola sp hairy ariet white fls

Dune, swale

Willow cyripot. Mel flat. Rose wood.

GYROSTEMONACEAE

Gyrostemon ramulosus

Dune

Lake dune

Flat

HALORHAGACEAE

/ Glissrocharyon aurea

/ Glissrocharyon flavescens

Gonocarpus nodulosus

cell
Flat

LAMIACEAE

Microcorys sp

LAURACEAE

/ Cassytha flava

/ Cassytha glabella

/ Cassytha pomiformis

Dune, Swale

Swale

Dune, Swale

*Cassytha sp hairy
runcune inflor.
? ? ? ? ?*

LOBELIACEAE

- Isotoma hypocratiformis

/ Isotoma scapigera

/ Lobelia gibbosa
Lobelia sp ? lobelyle.

Flats (Melaleuca shrublands)

Saline flats

Flats (Melaleuca shrublands)

Flats / Dune.

saline flats.

LOGANIACEAE

Phyllangium paradoxum

Flats (Melaleuca shrublands)

MALVACEAE

Alogyne hakeiformis Flats
 Lawrenceia glomerata Saline flats

MIMOSACEAE

Acacia acuminata Flats
 Acacia blakelyi Dunes, Swales, Flats
 Acacia chapmanii subsp. chapmanii Swales
 Acacia ?coolgardiensis Flats (Saline)
 Acacia eremaea Saline flats
 ✓ Acacia latipes Saline flats
 Acacia lasiocalyx Flats (Melaleuca shrublands)
 Acacia leptospermoides Dunes
 Acacia lasiocarpa Flats
 Acacia meisneri Flats
 Acacia pulchella var goadbeyi Swale
 ✓ Acacia saligna Flats
 Acacia signata Swales
 Acacia spathulifolia Flats
 Acacia ulicina Swales

Acacia aff. acuminata Dune

Acacia aff. navelli Euc wood
Acacia sp Dune
Acacia sp. Mel flats. coll
very spiny.

Acacia sp Lake Flat
Acacia sp. Swales
Acacia sp 2 Swales

MYRTACEAE

Balaustion microphyllum Swales
 ✓ Baeckea grandis Swales
 ✓ Callistemon phoenicus Saline flat
 ✓ Calothamnus brevifolius Swale, Flat
 Calothamnus quadrifidus Swale, Flat
 Calytrix angulata Swale
 Calytrix oldfieldii Dune, Swale
 Calytrix platycheiria Swale
 Calytrix strigosa Dune
 Chamelaucium brevifolium Dune, Swale
 ✓ Darwinia capitellata Saline flats, Lake dune
 Darwinia purpurea Flats
 Eremaea beaufortioides Dune
 ✓ Eremaea pauciflora var lochophylla Dune
 Eucalyptus brachcorys Lake dune
 Eucalyptus hypochlamydea Lake dune
 Eucalyptus pyriformis Swale
 Eucalyptus rigidula Lake dune
 Eucalyptus aff. aspera (E.A. Griffin 7183) Lake dune - coll.
 ✓ Leptospermum erubescens Dune, Swales
 ✓ Leptospermum spinescens Dune, Swales
 Melaleuca brevifolia Dune
 ✓ Melaleuca acuminata Flats (Melaleuca shrublands)
 ✓ Melaleuca lateriflora Flats (Melaleuca shrublands)
 Melaleuca subtrigona Dunes
 Melaleuca seriata Dunes

Artocarpus sp. Swales

Baeckea sp 2 Dune
Aff. Beaufortii in 1st leaflet
2. melaleuca

coll ?

Mel acuminata (Flats, Dune)

Melaleuca sp DUNE
yellow → red.

Braun

(M.A.S. 1961)

Melaleuca thuyoides
 ✓ Melaleuca uncinata
 ✓ Melaleuca viminea
 ✓ Pileanthus peduncularis
 Schotzia capitata
 Schotzia aff teretifolia
 Verticordia centipeda
 Verticordia endlicheriana var manicula

✓ Verticordia grandis
 Verticordia muellerana
 ✓ Verticordia picta

OLACACEAE
 Olax scalariformis

OXALIDACEAE
 Oxalis ?perennans

PAPILLIONACEAE

Daviesia brevifolia
 ✓ Daviesia incrassata subsp. teres
 ✓ Daviesia nudiflora
 Jacksonia eremodendron
 Jacksonia rhadinoclada
 *Lotus angustissimus
 ✓ Mirbelia spinosa

PLANTAGINACEAE
 ✓ Plantago cf. drummondii

POLYGALACEAE
 Comesperma drummondii
 ✓ Comesperma integerrimum

POLYGONACEAE
 Muehlenbeckia adpressa

PORTULACACEAE
 ✓ Calandrinia granulifera
 ✓ Calandrinia polyandra
 ✓ sand grass Calandrinia

PRIMULACEAE
 ✓ *Anagallis arvensis
 Samolus repens var floribundus

PROTEACEAE
 ✓ Adenanthos stictus
 ✓ Banksia attenuata

Flats (Melaleuca shrublands)
 Flats (Melaleuca shrublands)
 Flats (Melaleuca shrublands, saline)
 Dune
 Dune
 Dune
 Dune, Swales
 Dune, Swales
 Dune, Swales
 Dune, Swales
 Dune, Swales

Verticordia yellow (Mel flat)
 Verticordia brown Dune

Dunes

Lake Dune

Swales
 Swales
 Swales
 Dunes
 Dunes
 Disturbed
 Dunes

Triploia sp same PCA
 ? Daviesia sp Dunes inland to soft sand
 must be Mirbelia
 Jacksonia Flats Mel.
 Daviesia sp. Euc wood
 Inotophis uncinata Mel F
 Gough sp lake edge dune
 ? tom

Flats (Melaleuca shrublands)

same flats

Flats
 Flats

Comesperma stictum. Dune.

Dunes

Mel Flats

Flats (Melaleuca shrublands)
 Saline flats
 Mel Flat (wet 20's)

Calandrinia white flower wet
 saline flats
 = ? granulifera

Flats (Melaleuca shrublands)
 Flats (Melaleuca shrublands)

Dunes, Swales
 Dunes

Calandrinia sp 4
 saline flats

✓ Banksia prionotes	Dunes	
✓ Conospermum stoechadis	Dunes, Swales	
Dryandra fraseri var fraseri	Swales	
✓ Dryandra lindleyana	Swales	
Dryandra stricta	Swales	
Grevillea didymobotrya	Dunes	
✓ Grevillea eriostachya	Dunes	
✓ Grevillea hakeoides subsp. stenophylla	Lake dunes	Grevillea hakeoides subsp. stenophylla
✓ Grevillea integrifolia	Dunes	
✓ Grevillea leucopteris	Dunes	
✓ Grevillea panniculata	Swales	
✓ Grevillea ?tridens	Lake dune	✓ Grevillea tridens DUNE.
Hakea circumulata	Swale	
Hakea lissocarpha	Swale	
Hakea platysperma	Dune	
✓ Hakea preissii	Saline flats	
Persoonia pungens	Dunes	
Persoonia ?suandersiana	Saline flats	Persoonia suandersiana Dune Bahad Lake.
✓ Petrophile brevifolia	Dunes	✓ Petrophile brevifolia
✓ Petrophile ericifolia	Dunes, Swales	
Petrophile seminuda	Swales	
✓ Petrophile shuttleworthiana	Swales	✓ Petrophile shuttleworthiana
✓ Stirlingia latifolia	Swales	Stirlingia latifolia DUNE
✓ Synaphaea spinulosa	Swales	
✓ <i>super ? sp</i>	Dunes	← Xylaulon angustifolia DUNE

RHAMNACEAE

✓ Cryptandra leucophracta	Swales
Stenathemum notiale subsp. notiale	Swales

RUBIACEAE

✓ Opercularia spermacoce	Flats (Melaleuca shrublands), Lake
dunes	
✓ Opercularia vaginata	Dunes Melaleuca

RUTACEAE

Geleznowia verrucosa subsp. verrucosa	Swales
Philotheca brucei	Lake dunes

SANTALACEAE

Exocarpus aphyllus	Flats (Melaleuca shrublands)
Exocarpus sparteus	Flats (Melaleuca shrublands)
✓ Leptomeria preissiana	Lake dunes
✓ Santalum acuminatum	Flats (Melaleuca shrublands)

SAPINDACEAE

✓ Dodonaea ceratocarpa	Dunes
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SOLANACEAE

✓? blue wood

- Cypheranthera sp.
- ✓ *Solanum hystrix
- Solanum lasiophyllum

Flats
Disturbed
Swale

← *Strobilanthus* Mal Flat
T. flowers sp

STERCULIACEAE

- ✓? call - Guichenotia ledifolia
- ✓ Guichenotia macrantha
- Guichenotia sarotes subsp. immixta

Dunes, Swales
Lake dunes
Swales

Strobilanthus " "

STYLIDIACEAE

- ✓ Stylidium piliferum
- ✓ Stylidium cf. repens
- Stylidium brun*

Dunes
Dunes
Flats (reel)

Stylidium Mal Flats
Stylidium? Dunes
Stylidium Dunes

STYLOBASIDACEAE

- call ✓ Stylobasium australe
- Dunes

Flats (Melaleuca shrublands), Lake

URTICACEAE

- Parietaria debilis

Flats (Melaleuca shrublands)

ZYGOPHYLLACEAE

- call - Zygophyllum iodocarpum
- ~~isolate fruit?~~

Flats (Melaleuca shrublands)

silice flat.

off? zyg 5 wing sen. le fruit

" "

- ? *Argemone* sp blue woodland
- Petrobriza* silice flat
- Robust green monost silice flat

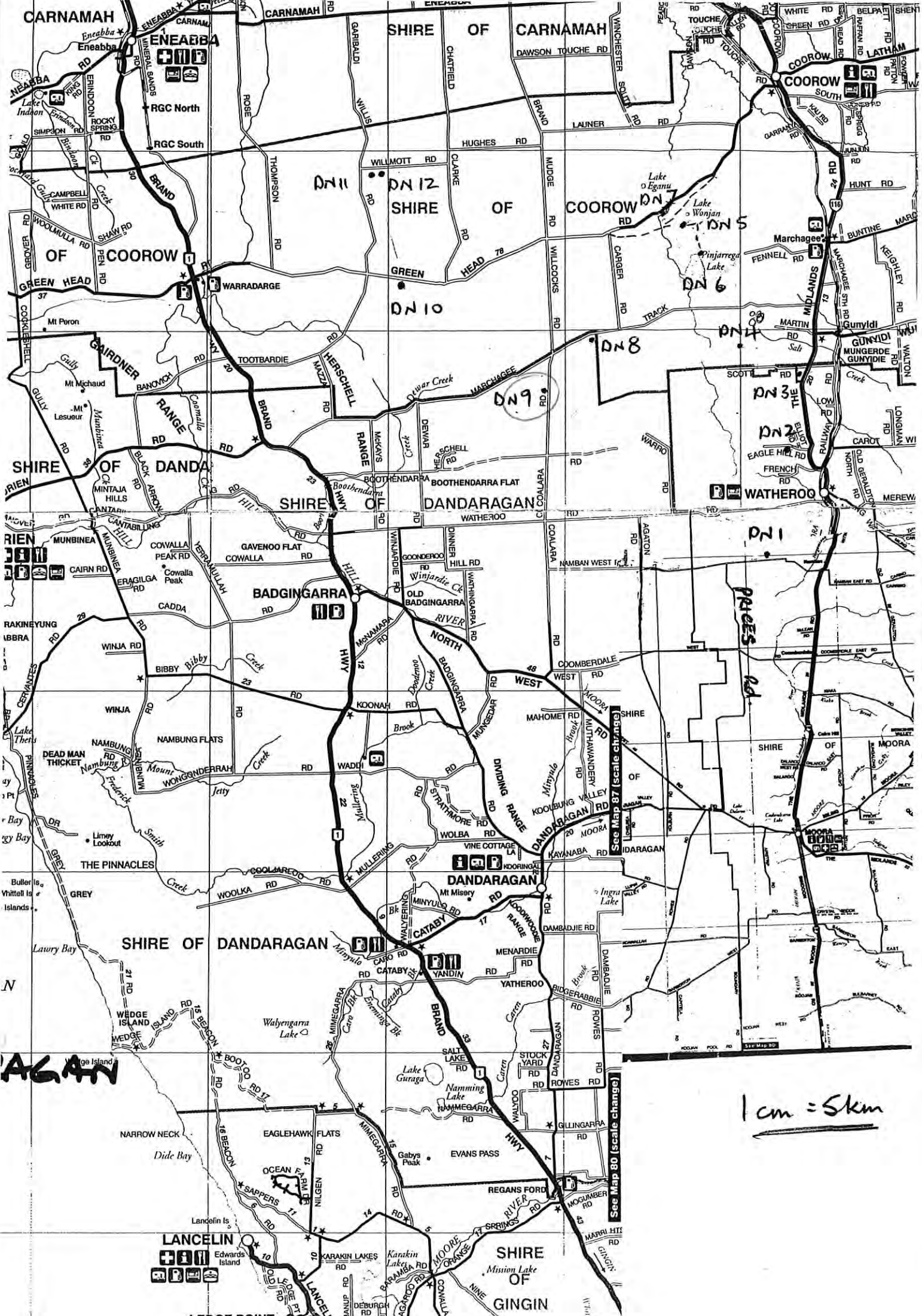
74
90

- ? *Lepilaena* sp wetland (sandy) in fruit

white fls shrubs silice
= *Dumortiera* sp

Ecologia soils to keep

59	40
58	38
55	37
54	34
53	33
52	32
51	31
50	30
49	29
47	27
46	23
45	18
44	12
	2
	1



1 cm = 5 km

See Map 87 (scale change)

See Map 80 (scale change)

AGAN

