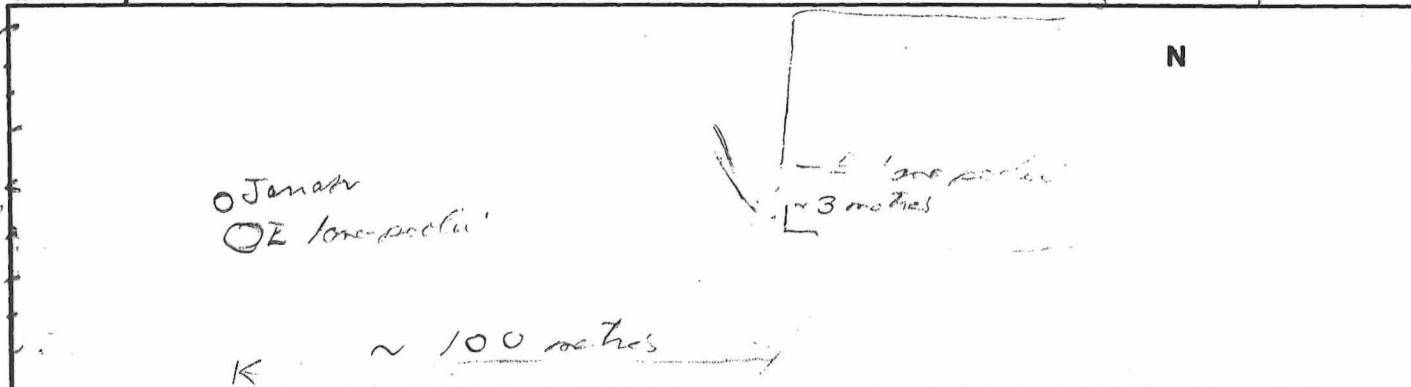


BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Serp Nat. Park SITE NUMBER SECP01 [149]
 DATE TRIP 4.9.94 RECORDERS D. Lebb
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST B Keating

1. LOCATION of the QUADRAT

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



Road Location

Geographic Location Latitude _____ S Longitude _____ N Altitude _____

Reference Map

Photograph Photographer's Name _____ Photo No _____

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

sea	dunes	dry flat	permanent wetland	wet flat	seasonal wetland	dunes	upland type
-----	-------	----------	-------------------	----------	------------------	-------	-------------

2. SITE DATA Circle the correct response.

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

Surface Soil thin sandy loam **Colour** BROWN
Exposed rock type scattered lentils % surface occasional pebbles

Sub-surface Soil above **Colour** _____
Rock type _____ depth to rock _____

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

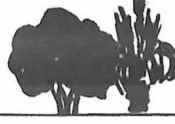
Litter Single layer Depth 10-30 % cover _____ **Bare Ground** 2-10 %cover _____

BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Muir)- 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 30m	10-30m	under 10m	over 8m	under 8m
LIFE FORM			(Open Low Woodland A)  		
COVER CLASS (%)	—	—	2-10		
DOMINANT SPECIES	Adj - Euc. scattered	calophylla	E. leucopodia		
SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM	 		Low Scrub B. 		Dwarf Scrub D. 
COVER CLASS (%)		10-30			10-30
DOMINANT SPECIES		Kingsia and (2m - 1.5m) Hakea leucocarpa			Hibbertia hypericoides Colothamnus for
GRASSES		HERBS	SEDGES	over 0.5m	
LIFE FORM	 	Very Open Herbs   	  	Very Open Low Sedges  	
COVER CLASS (%)	< 2%	2-10		2-10	
DOMINANT SPECIES		MISC		MISO & ...	

4. VEGETATION CONDITION

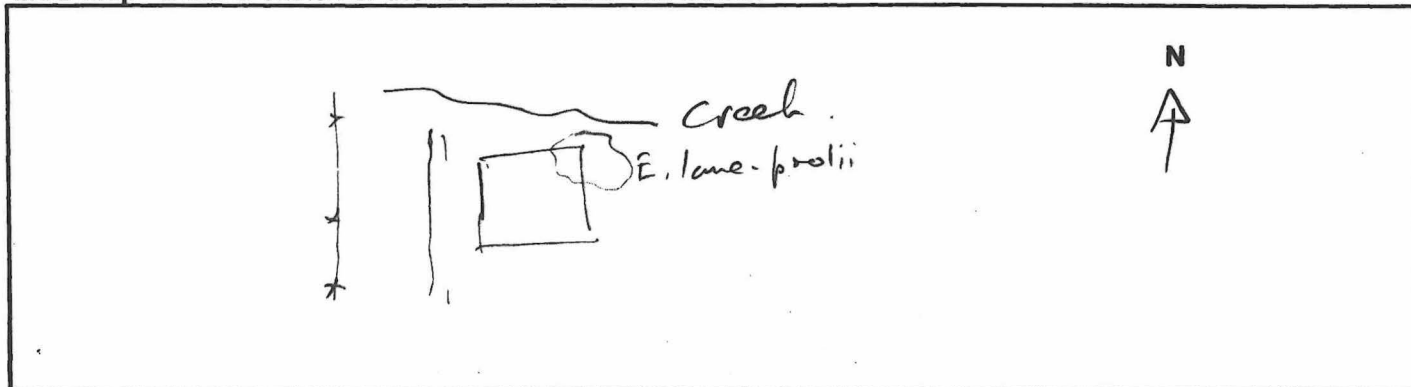
		COMMENTS
1	'PRISTINE'	
2	EXCELLENT	Grazing pressure, cropped sedges/herbs scattered weeds, past cattle now Kangaroos
3	VERY GOOD	
4	GOOD	
5	DEGRADED	

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA SERPENTINE NP SITE NUMBER 2
 DATE TRIP 4/5 Oct / 94 RECORDERS Nail, Mary, Dootley, Sarah
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

1. LOCATION of the QUADRAT

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



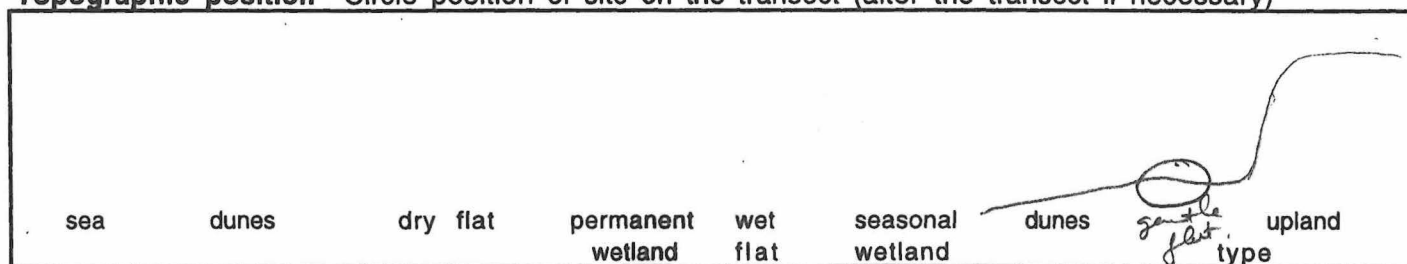
Road Location Chatfield Rd

Geographic Location Latitude _____ S Longitude _____ N Altitude _____

Reference Map

Photograph Photographer's Name NG Photo No _____

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



2. SITE DATA Circle the correct response.

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

Surface Soil Dark grey sandy loam **Colour** Dark grey
Exposed rock type _____ 0 % surface

Sub-surface Soil sandy loam **Colour** Dark grey
Rock type _____ depth to rock _____

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

Litter Depth 60 % cover 1 **Bare Ground** <5 %cover

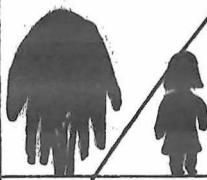
BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Muir)- use pencil only

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%
-------------	-------	--------	--------	----------

LIFE FORM	TREES			MALLEES	
	over 30m	10-30m	under 10m	over 8m	under 8m
		 Woodland Few mallee 10m			 30m 10m
COVER CLASS (%)		10-30%			
DOMINANT SPECIES		Marric Luepoldii E. marginale E. calo	ss/elegant		

LIFE FORM	SHRUBS			SHRUBS	
	over 2m	2m-1.5m	1.5-1m	1-0.5m	under 0.5m
		 (Open low scrub A)		 Heath B	 2m 1m
COVER CLASS (%)		2-10		30-70	
DOMINANT SPECIES		Heath B Eucalyptus Halea. cerat Kingia australis		Stylidium Melaleuca Xanthorrhoea Kingia australis	

LIFE FORM	GRASSES	HERBS	SEDGES	over 0.5m	under 0.5m
		 Open Herbs			 Low Sedges 1m
COVER CLASS (%)		10-30			30-70
DOMINANT SPECIES		Drosera rot. Sowerbaea Daisy Cotula			Hypochaeris Messerschmidia Cynodon

4. VEGETATION CONDITION

1 'PRISTINE'		COMMENTS Few weeds with low cover.
2 EXCELLENT	✓	
3 VERY GOOD		
4 GOOD		
5 DEGRADED		

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Serpentine 3 SITE NUMBER 103 E. Am J
 DATE TRIP 4.9.94 RECORDERS L Boyce, C Playford, D Fennell
 DATE TRIP _____ RECORDERS _____ L. Segal
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

1. LOCATION of the QUADRAT

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

N

100 metres south of No 4.

Road Location

Geographic Location Latitude _____ S Longitude _____ N Altitude _____
 Reference Map _____

Photograph _____ Photographer's Name _____ Photo No _____

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

sea
dunes
dry flat
permanent wetland
wet flat
seasonal wetland
dunes

upland

type

2. SITE DATA Circle the correct response.

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

Surface Soil type "orange ridge" **Colour** Brown - Green
Exposed rock _____ % surface _____

Sub-surface Soil type laterite **Colour** _____
Rock _____ depth to rock _____

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

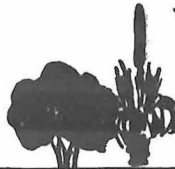
Litter Depth _____ **90% cover** _____ **Bare Ground** 5-10% cover
 _____ cm

BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Muir)- 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.

	TREES			MALLEES	
	over 30m	10 - 30m	under 10m	over 8m	under 8m
LIFE FORM			  <i>Open Low Woodland A/B</i>		
COVER CLASS (%)			5-10%	—	—
DOMINANT SPECIES			<i>E. mangrovea</i> <i>subs. elegans</i>		

	SHRUBS			SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM	 		 <i>Open Low Scrub B</i>	 <i>Dwarf Scrub C</i>	 <i>Low Heath D.</i>
COVER CLASS (%)			10%	10%	60%
DOMINANT SPECIES			<i>Zanthoxylum</i> <i>acanthostachya</i>	<i>Zanthoxylum</i> <i>acanthostachya</i>	<i>Calothamnus</i> <i>rotundifolius</i>

	GRASSES	HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM	 	 <i>Open Herbs</i>	  		  
COVER CLASS (%)	—	20%	—		
DOMINANT SPECIES		<i>Stylidium</i> <i>Drosera</i>			

4. VEGETATION CONDITION

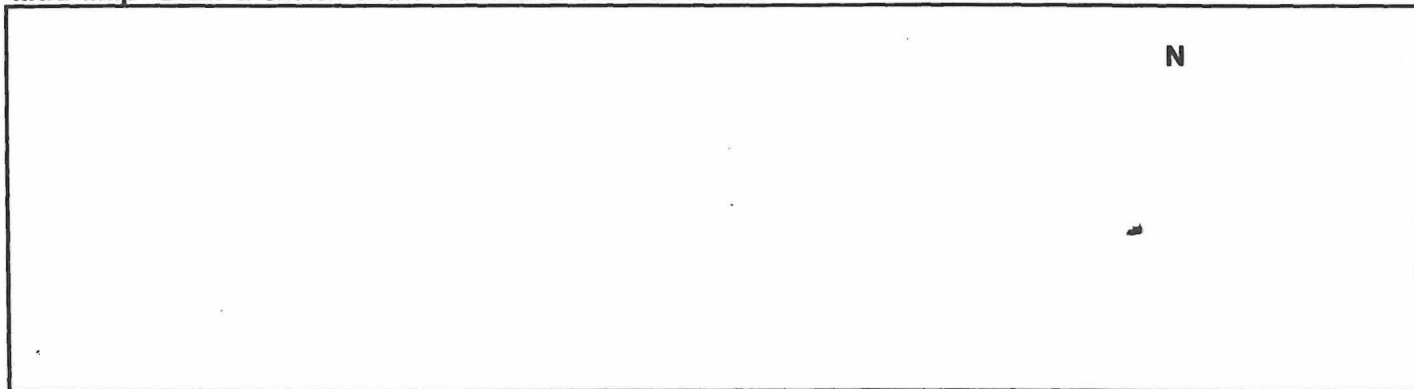
		COMMENTS
1	'PRISTINE'	
2	EXCELLENT	
3	VERY GOOD	
4	GOOD	
5	DEGRADED	

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Serpentine SITE NUMBER 4
 DATE TRIP 4.9.94 RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST Greg

1. LOCATION of the QUADRAT

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



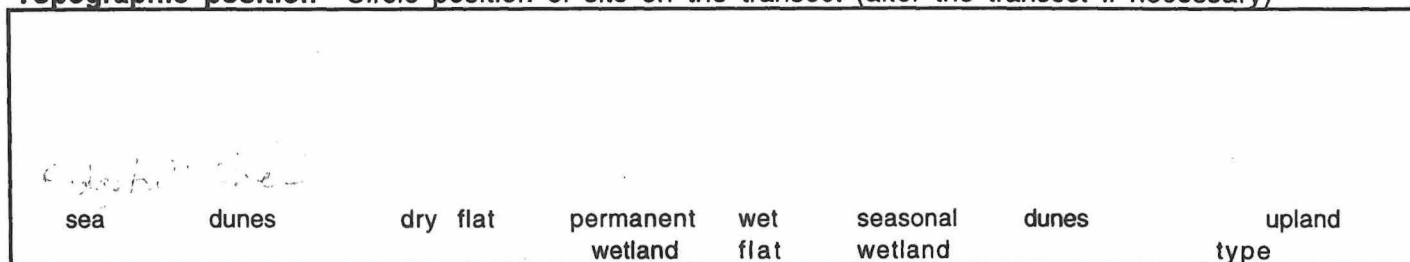
Road Location Chatfield - inside gate - V Tail King in SW corner - close to tall lead tree

Geographic Location Latitude _____ S Longitude _____ N Altitude _____

Reference Map

Photograph Photographer's Name _____ Photo No _____

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



2. SITE DATA Circle the correct response.

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

Surface Soil type loose **Colour** grey
Exposed rock % surface

Sub-surface Soil type loose **Colour** _____
Rock depth to rock _____

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

Litter leaves 40-60 % cover **Bare Ground** _____ % cover
 Depth / cm

3. VEGETATION STRUCTURE AND COVER

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

4. VEGETATION CONDITION

7. VEGANISM SCREENING		
1	'PRISTINE'	COMMENTS
2	EXCELLENT	
3	VERY GOOD	
4	GOOD	
5	DEGRADED	

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No	SERP 01
Date	2/9/94

Record on Sheet

- Column 1 plant name
- Column 2 plant number
- Column 3 flowering time- TICK if species flowering
- Column 4 identification check

[illegible]

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No SRP 2

Date 4 Sept 94

Label each plant with plants number, site code, date and plant's name or working name if required

Record on Sheet

- Column 1 plant name
- Column 2 plant number
- Column 3 flowering time- TICK if species flowering
- Column 4 identification check

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Eucalyptus lane-podii	1	B	✓					Dampiera alata	33	✓	✓
" calophylla (mallee)	2		✓					Haemodorum narrow leaf sp	34	✓	✓
" marginata ss elegantella	3		✓					Drosera glanduligera	35		✓
								little white daisy Ecotula turp	36	✓	✓
								? Crassula	37		
								Centrolepis aristata	38		✓
MALLEES								Centrolepis sp = (small)	39		
								Lernella umbellata (no spec)	40		
				GRASSES				Chemoscylla conyrbosa (spec)	41	✓	
				Briza maxima (sterile)	25	✓	✓	Trachymene pilosa	42		✓
				Neurackne alopec				Boryal Scirpoidea	43		✓
SHRUBS								Stadhouzia no spec	44		
Mela acerosa	4		✓					Green Hairy herb ?? too young	45		✓
Dasyogon bromeliopsis	5		✓					SEDGES			
Kinca australis	6		✓					Mesomylena tetragona	14		✓
Xanthoxea Paeuthentarchya	7		✓					Lokocaria fasciculata	18		✓
Stylidia latifolia	8	✓	✓					Hypolaena exsulata	20		✓
Astarha fraxillanx (sp)	9							Cydachachaeta avianacea	27		✓
Dyantra nivea	10	✓	✓	HERBS				Lepidogonium angustatum	28		✓
Patersonia occidentalis	11		✓	Haemodorum sp	15		✓				
Nembia capitata	12	✓		Ansozanthos manglesii	16		✓				
Acacia latericicola	13			Diosera Solanifera	17		✓				
Jarvisia sp (Seedling)	19			Sowerbaea strobilifera	21	✓	✓	HERBS cont			
Bosseia eriorantha	54		✓	Romulea rosea var communis	22		✓	Ocasytha	46		
Dodonaea baratocarpa	55			Hypochaeris dubia (lat weed)	23		✓	Burchardia umbellata (herb)	47		
Hakea coriaphylla	57			Polysantis (pat/mang)	24		✓	Stylidium bulbiferum	48		✓
Nibbia hypencoides	58	X		Briza maxima (sterile)	25			Dampiera linearis	49	✓	✓
Pinelau sp	59	V		Lomandra sericea	26		✓	Prostemon spicatus	50	✓	✓
Nopsea floric				Orchid leaf in Thelymitra sp	29		✓	Hypocalymma angustifolium	51		✓
Baeckea camphorosmae	9		✓	Thelymitra ? cincta	30		✓	Drosera (sunlit midvein)	52		✓
				*Kursima anthemniodes	31		✓	Drosera gigantea (no spec)	53		✓
				? Lotus or ornithopus	32		✓	Amorcania capillaris	56		

0	<i>Lomandra odora</i>	60	✓	✓
(Adj)	<i>Oxyphlox occidentalis</i>	61	✓	

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No 4.

Date 4-9-94.

Label each plant with plants number, site code, date and plant's name or working name if required

Record on Sheet

- Column 1 plant name
- Column 2 plant number
- Column 3 flowering time- TICK if species flowering
- Column 4 identification check

TREES				SHRUBS (cont.)				HERBS (cont.)			
No	FI	ID		No	FI	ID		No	FI	ID	
0			E. Cal no spec	1				0			Pterostylis
0			Emergen ssp elegantula	2				0			Prasophyllum
0			Ringia australis	3				0			Small herb
0			Xanthorrhoea acuminata	8				0			orchid
0			Emer Seddlings					0			Carex
MALLEES				GRASSES				SEDGES			
SHRUBS				HERBS				SEDGES			
0			Hakea cyclocarpa	4				0			Tetraria
0			Lambertia multiflora ssp darl.	5				0			Same as 38
0			Petrophile stata	6				0			Lomandra
0			Hibbertia hypericoides	7				0			Cyathochaeta
0			Hakea lissocarpa	9				0			Pterostylis
0			Calathamus torulosus	10				0			Lomandra
0			Isopogon asper	11				0			Same as 36
0			Hibbertia romuntata	12				0			Loxocotia
0			Beckea campylophora	13				0			Barcaldia
0			Hypercallia angustifolia	14				0			
0			Phormium tenax	15				0			
0			Drosera peltata	16				0			
0			Dryandra Nivea	17				0			
0			Syntherisma petiolaris	21				0			
0			Acacia lateritica?	28				0			
0			Tetrathela hirsuta	53				0			
0			Allocasuarina humilis	54				0			

Adajocant 0 Greneller Pilolifera
 0 Leucopogon pulchellus
 0 ...

BAG SPEC. ...

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE Label each plant with plants number, site code, date and plant's name or working name if required

Record on Sheet

- Column 1 plant name
- Column 2 plant number
- Column 3 flowering time- TICK if species flowering
- Column 4 identification check

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Eucalyptus marginata</i>	1		✓	0 <i>Acacia obovata</i>	38	✓	0	<i>Larmannia squarrosa</i>	36	✓	✓
Subsp. <i>elegantella</i>				duplicate <i>Acacia latericola</i> (?)	41	✓	0	<i>horocaria fasciculata</i>	37		✓
				0 <i>Hakea cyclocarpa</i>	42	✓	0	<i>Drosera stolonifera</i>	38		✓
				0 <i>Pterophylla striata</i>	50	✓	✓	0 <i>Drosera erythrorhiza</i>	40		✓
								0 <i>Drosera</i> sp (seedling)	42		✓
								0 <i>Olearia</i> sp	43		
MALLEES								0 <i>Paterersonia pygmaea</i>	44		✓
				GRASSES				□ <i>Caladamin</i> sp	45	✓	
				0 <i>Neurachne alopec.</i>	39	✓	0	<i>Stylidium carnosum</i>	46		✓
				0 ? <i>Danthonia</i> sp (sterile)	47	✓	0	<i>Cassia</i> (parviflora)	49	✓	✓
ssp <i>darling.</i>								<i>microcarpa</i>			
SHRUBS											
<i>Lambertia multiflora</i>	2	✓	✓					SEDGES	26		
<i>Dryandra armata</i>	3	✓	✓					0 <i>Tetraria octandra</i>	26	✓	✓
<i>Calothymus torulosus</i>	4		✓								
<i>Hypocalymma angustifolium</i>	5	✓	✓								
<i>Isopogon asper</i>	6	✓	✓								
<i>Leucophaea pulchellus</i> ?	7	✓	✓								
<i>Grevillea pinnatifida</i>	8	✓	✓	HERBS							
<i>Hakea lissocarpa</i>	9		✓	0 ? <i>Xanthosia</i>	17	✓					
<i>Melaleuca acerosa</i>	10		✓	0 <i>Burchardia umbellata</i>	23	✓	✓				
<i>Dryandra nivea</i>	11	✓	✓	0 <i>Haemodorum</i> sp.	24						
<i>Hibbertia hypericoides</i>	12	✓	✓	0 <i>Paterersonia</i>	25						
<i>Hibbertia</i> sp	13	✓		0 <i>Drosera menziesii</i>	27		✓				
<i>Gompholobium knightum</i>	14	✓	✓	0 <i>Stylidium brunonianum</i>	28		✓				
<i>Hibbertia aurea</i>	15	✓	✓	0 <i>Gompholobium marginatum</i>	29	✓	✓				
<i>Synaphea acutiloba</i>	16	✓	✓	0 <i>Hibbertia commutata</i> (?)	30		✓				
<i>Hakea undulata</i>	18	✓	✓	□ ? <i>Asteraceae</i> (indet)	31		✓				
<i>Thomasia foliosa</i> (?)	19		✓	0 <i>Pteroselys</i> ? <i>barbata</i> (losely)	32		✓				
<i>Acacia latericola</i> (?)	20		✓	0 <i>Gompholobium</i> - the dup	33		✓				
<i>Melaleuca</i> sp	21			<i>Torric</i> seedling dup.	34						
<i>Boerhaavia cuneata</i> sp	22	✓	✓	0 <i>Camassia coronata</i>	35		✓				