

CONTACT DR N. GIBSON CALM WOODVALE for further information.

Flora list for C52 Lakes McLarty and Meelup (extracted from Swan Coastal Plain database, Koolj 1-7, 212 taxa, 9/5/1995).

Department of Environmental Protection System 6 Update: Site Based Flora List C52 Lakes McLarty and Meelup

(extracted from the CALM Swan Coastal Plain database, Koolj 1-7, 212 taxa, 9/5/95)

Amaranthaceae

Ptilotus manglesii

Anthericaceae

Agrostocrinum scabrum

Borya scirpoidea

Caesia micrantha

Caesia micrantha "blue" scps (GJK 10857)

Caesia micrantha "large swamp form" scps (BJK&NG 094)

Chamaescilla corymbosa

Dichopogon capillipes

Laxmannia squarrosa

Sowerbaea laxiflora

Thysanotus arbuscula

Thysanotus multiflorus

Thysanotus sp. scps

Thysanotus sparteus

Thysanotus thyrsoides

Tricoryne elatior

Apiaceae

Daucus glochidiatus

Eryngium pinnatifidum subsp. *pinnatifidum* scps

Homalosciadium homalocarpum

Hydrocotyle alata

Hydrocotyle callicarpa

Platysace compressa

Schoenolaena juncea

Trachymene pilosa

Xanthosia huegelii

Asteraceae

* *Arctotheca calendula*

Blennospora aff. *drummondii* (golden bracts) scps bjk&ng 20

Brachyscome bellidioides

Hyalosperma cotula

* *Hypochoeris glabra*

Lagenifera huegelii

Podolepis gracilis

Podotheca chrysantha

Quinetia urvillei

Siloxerus humifusus

Casuarinaceae

Allocasuarina fraseriana

Centrolepidaceae

Aphelia cyperoides

Centrolepis aristata

Centrolepis drummondiana

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Colchicaceae

- Burchardia multiflora
- Burchardia umbellata

Cyperaceae

- Baumea acuta
- Baumea juncea
- * Cyperus tenellus
- * Isolepis marginata
- Lepidosperma aff. angustatum scps
- Lepidosperma angustatum
- Lepidosperma eastern terete scps (BJK&NG 232)
- Lepidosperma longitudinale
- Mesomelaena graciliceps
- Mesomelaena tetragona
- Schoenus clandestinus
- Schoenus curvifolius
- Schoenus odontocarpus
- Schoenus rodwayanus
- Schoenus sp. 2 (GJK 5739) scps
- Schoenus sp. aff. breviculmis sthst
- Schoenus subbarbatus "Royce 2872" scps
- Tetraria octandra

Dasypogonaceae

- Dasypogon bromeliifolius
- Lomandra caespitosa
- Lomandra hermaphrodita
- Lomandra micrantha
- Lomandra preissii
- Lomandra purpurea
- Lomandra sericea
- Lomandra sp. scps

Dilleniaceae

- Hibbertia acerosa
- Hibbertia hypericoides
- Hibbertia racemosa
- Hibbertia vaginata

Droseraceae

- Drosera erythrorhiza
- Drosera erythrorhiza sthst subsp. squamosa ms
- Drosera gigantea
- Drosera glanduligera
- Drosera menziesii subsp. menziesii
- Drosera occidentalis sthst subsp. australis ms
- Drosera pallida
- Drosera rosulata
- Drosera stolonifera

Epacridaceae

- Astroloma ciliatum
- Astroloma pallidum
- Conostephium pendulum
- Leucopogon conostephioides

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Leucopogon propinquus
Leucopogon racemulosus

Gentianaceae

* *Cicendia filiformis*

Goodeniaceae

Dampiera linearis
Goodenia pulchella
Scaevola lanceolata

Haemodoraceae

Anigozanthos manglesii
Conostylis aculeata
Conostylis juncea
Haemodorum simplex
Haemodorum sparsiflorum
Phlebocarya ciliata
Tribonanthes australis

Iridaceae

* *Gladiolus angustus*
Patersonia occidentalis
* *Romulea rosea*

Juncaceae

* *Juncus bufonius*
Juncus caespiticius
* *Juncus capitatus*
Luzula meridionalis

Juncaginaceae

Triglochin calcitrapum
Triglochin mucronatum

Lamiaceae

Hemiandra pungens

Lauraceae

Cassytha glabella
Cassytha racemosa
Cassytha sp. scps

Lentibulariaceae

Polypompholyx multifida
Utricularia violacea

Lobeliaceae

Lobelia tenuior

Loganiaceae

Mitrasacme paradoxa

Lycopodiaceae

Phylloglossum drummondii

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Mimosaceae

Acacia incurva
Acacia pulchella
Acacia stenoptera

Myrtaceae

Agonis flexuosa
Astartea aff. fascicularis sthst
Calytrix aurea
Eucalyptus calophylla
Eucalyptus marginata
Hypocalymma angustifolium
Kunzea ericifolia
Kunzea micrantha
Melaleuca preissiana
Melaleuca raphiophylla
Melaleuca thymoides
Melaleuca viminea
Pericalymma ellipticum
Regelia ciliata
Verticordia densiflora

Orchidaceae

Caladenia flava
Caladenia marginata
Caladenia paludosa Hopper & AP Brown scps
Caladenia sp. scps
Caladenia varians subsp. varians scps
Diuris laxiflora
Eriochilus dilatatus
Lyperanthus nigricans
Microtis media warr subsp. media
Pterostylis vittata
Thelymitra aff. pauciflora scps
Thelymitra antennifera
Thelymitra fuscolutea

Papilionaceae

Aotus gracillima
Bossiaea eriocarpa
Daviesia physodes
Gompholobium tomentosum
Hardenbergia comptoniana
Hovea trisperma var. trisperma
Jacksonia sternbergiana
Kennedia prostrata
* Lotus sp. scps
Nemcia capitata
Sphaerolobium medium
* Trifolium dubium
Viminaria juncea

Philydraceae

Philydrella pygmaea

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Phormiaceae

Dianella revoluta

Poaceae

- * *Aira caryophyllea*
- Amphipogon amphipogonoides*
- * *Briza maxima*
- * *Briza minor*
- Danthonia occidentalis*
- Dichelachne crinita*
- * *Polypogon monspeliensis*
- Stipa compressa*
- Stipa flavescens*
- * *Vulpia bromoides*

Polygalaceae

Comesperma virgatum

Proteaceae

Adenanthos meisneri
Adenanthos obovatus
Banksia attenuata
Banksia ilicifolia
Hakea sulcata
Hakea trifurcata
Hakea varia
Persoonia saccata
Petrophile linearis
Petrophile media scps var. *juncifolius* ms
Petrophile seminuda
Synaphea petiolaris

Restionaceae

Hypolaena exsulca
Leptocarpus aristatus
Loxocarya fasciculata
Loxocarya flexuosa
Loxocarya pubescens
Lyginia barbata

Rubiaceae

Opercularia hispidula
Opercularia vaginata

Rutaceae

Boronia spathulata
Eriostemon spicatus

Santalaceae

Leptomeria cunninghamii

Scrophulariaceae

- * *Parentucellia viscosa*

Stackhousiaceae

Stackhousia monogyna

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Stylidiaceae

Stylidium calcaratum
Stylidium carnosum
Stylidium dichotomum
Stylidium divaricatum
Stylidium inundatum
Stylidium mimeticum
Stylidium perpusillum
Stylidium piliferum
Stylidium pulchellum
Stylidium repens
Stylidium schoenoides

Thymelaeaceae

Pimelea rosea

Tremandraceae

Tetratheca hirsuta "glabrous" scps

Xanthorrhoeaceae

Xanthorrhoea preissii

Zamiaceae

Macrozamia riedlei



Completely Degraded

26b

25

36

Lake margin (fresh H₂O)

Estuarine margin (see below for variety)

4 Sump/land in f.ct. 4, not mapped as separate unit.

21a

36

13

10a

Mud flats

Juncus kraussii

Bulboskenea caldwelii

Samphires

Mixed Samphires
? Melaleuca

? Sedges

Creeklime

Melaleuca cuticularis

Casuarina obesa

Eucalyptus rudis

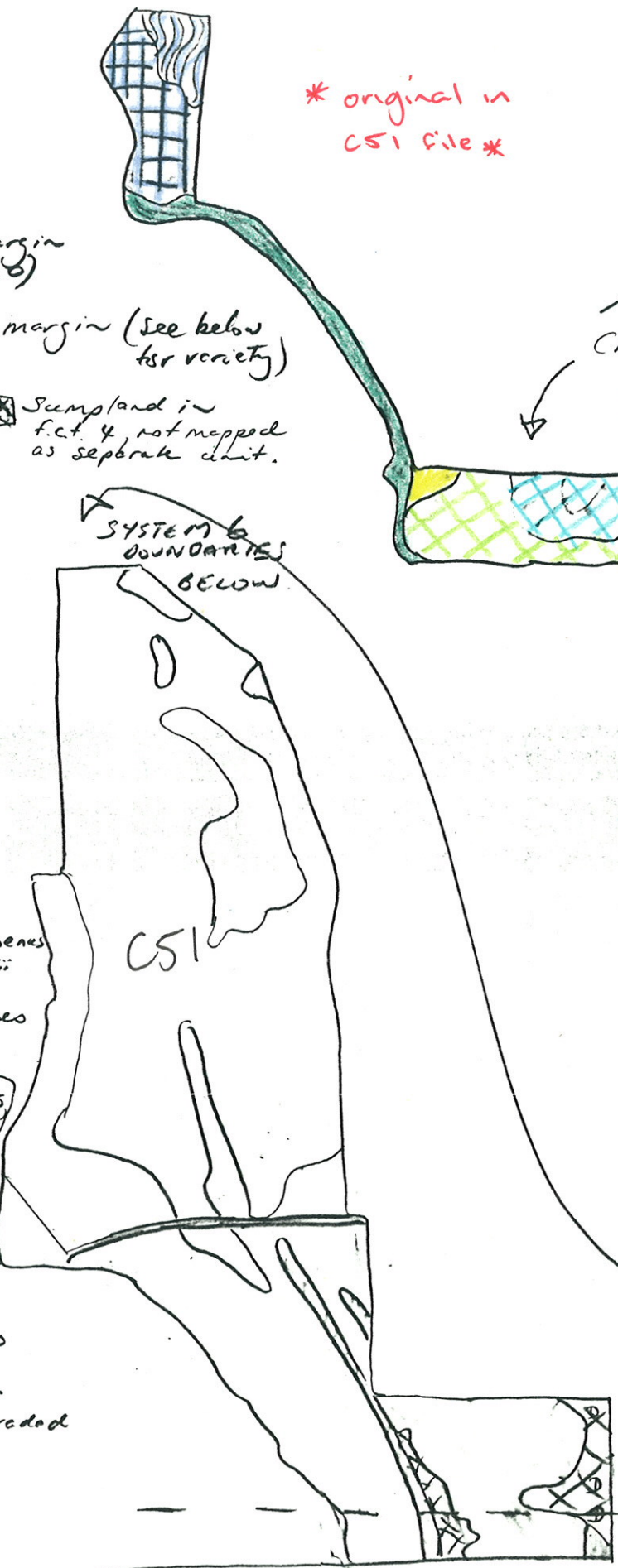
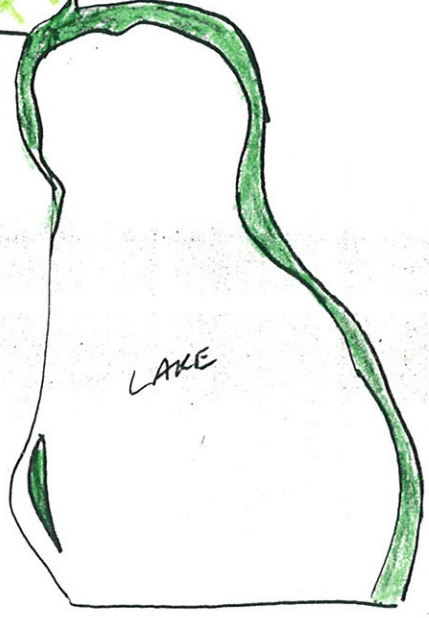
Over colour indicates degraded

* original in CS1 file *

CALM LANDS NOT SYSTEM 6 Boundaries

SYSTEM 6 BOUNDARIES BELOW

CS1



Map join

ORIG PHOTO BOUNDARY

R. A. O. U. TRACKING DATABASE

11/05/96

PARK SIGHTINGS REPORT

Page No.

1

Lake Mealup (C52)

ORDER#	REF#	BIRD NAME	NO. SIGHTINGS
0018	0216	Blue-billed Duck	1
0019	0217	Musk Duck	1
0022	0203	Black Swan	1
0025	0207	Australian Shelduck	1
0032	0208	Pacific Black Duck	1
0033	0212	Australasian Shoveler	1
0035	0211	Grey Teal	1
0040	0215	Hardhead	1
0041	0061	Australasian Grebe	1
0042	0062	Hoary-headed Grebe	1
0128	0101	Darter	1
0129	0100	Little Pied Cormorant	1
0135	0106	Australian Pelican	1
0139	0188	White-faced Heron	1
0145	0187	Great Egret	1
0150	0192	Nankeen Night Heron	1
0156	0178	Glossy Ibis	1
0157	0179	Australian White Ibis	1
0159	0181	Royal Spoonbill	1
0160	0182	Yellow-billed Spoonbill	1
0170	0228	Whistling Kite	1
0174	0219	Swamp Harrier	1
0204	0058	Purple Swamphen	1
0208	0059	Eurasian Coot	1
0231	0158	Common Greenshank	1
0267	0146	Black-winged Stilt	1
0282	0144	Black-fronted Dotterel	1
0364	0269	Sulphur-crested Cockatoo	1
0386	0294	Australian Ringneck	1
0387	0290	Red-capped Parrot	1
0446	0322	Laughing Kookaburra	1
0471	0532	Splendid Fairy-wren	1
0492	0976	Striated Pardalote	1
0512	0465	Weebill	1
0517	0463	Western Gerygone	1
0524	0476	Inland Thornbill	1
0531	0486	Yellow-rumped Thornbill	1
0537	0638	Red Wattlebird	1
0561	0608	Singing Honeyeater	1
0613	0380	Scarlet Robin	1
0650	0398	Golden Whistler	1
0653	0401	Rufous Whistler	1
0658	0408	Grey Shrike-thrush	1

(2) 1
 (3) 12
 (4) 1

			Page No.	2
0671	0415	Maggie-Lark	1	
0673	0361	Grey Fantail	1	
0676	0364	Willie Wagtail	1	
0678	0424	Black-faced Cuckoo-shrike	1	
0695	0702	Grey Butcherbird	1	
0698	0705	Australian Magpie	1	
0706	0930	Australian Raven	1	
0763	0357	Welcome Swallow	1	
0765	0359	Tree Martin	1	
0781	0574	Silvereye	1	

*** END OF REPORT ***

SUMMARY REPORT

TOTAL BIRDS SIGHTED	:	53
TOTAL NUMBER OF CARDS	:	1

*** END OF SUMMARY ***

R. A. O. U. TRACKING DATABASE

11/05/96

PARK SIGHTINGS REPORT

Page No.

1

Lake McLarty (C52)

ORDER#	REF#	BIRD NAME	NO. SIGHTINGS
0003	0001	Emu	6
0018	0216	Blue-billed Duck 3	1
0019	0217	Musk Duck 3	7
0022	0203	Black Swan	14
0025	0207	Australian Shelduck	14
0032	0208	Pacific Black Duck	14
0033	0212	Australasian Shoveler 3	11
0035	0211	Grey Teal	15
0039	0213	Pink-eared Duck 3	8
0040	0215	Hardhead 3	2
0041	0061	Australasian Grebe 3	3
0042	0062	Hoary-headed Grebe	6
0128	0101	Darter	7
0129	0100	Little Pied Cormorant	8
0132	0097	Little Black Cormorant	5
0133	0096	Great Cormorant	3
0135	0106	Australian Pelican	13
0139	0188	White-faced Heron	14
0140	0185	Little Egret	2
0145	0187	Great Egret	11
0150	0192	Nankeen Night Heron	3
0156	0178	Glossy Ibis	3
0157	0179	Australian White Ibis	11
0158	0180	Straw-necked Ibis	3
0160	0182	Yellow-billed Spoonbill	13
0165	0232	Black-shouldered Kite	1
0170	0228	Whistling Kite 4	11
0172	0226	White-bellied Sea-Eagle	3
0174	0219	Swamp Harrier	10
0175	0221	Brown Goshawk 4	1
0177	0222	Collared Sparrowhawk 4	1
0180	0224	Wedge-tailed Eagle	3
0181	0225	Little Eagle 4	2
0183	0235	Australian Hobby	1
0186	0237	Peregrine Falcon 1	2
0187	0240	Nankeen Kestrel	1
0197	0050	Baillon's Crake	1
0198	0049	Australian Spotted Crake	2
0200	0051	Spotless Crake	2
0204	0058	Purple Swamphen	5
0205	0056	Dusky Moorhen 3	2
0206	0055	Black-tailed Native-hen	1
0208	0059	Eurasian Coot	12

0221	0152	Black-tailed Godwit	2	4
0230	0159	Marsh Sandpiper	2	10
0231	0158	Common Greenshank	2	14
0233	0154	Wood Sandpiper	2	11
0244	0162	Red-necked Stint	2	13
0245	0965	Long-toed Stint	2	6
0248	0978	Pectoral Sandpiper	2	5
0249	0163	Sharp-tailed Sandpiper	2	15
0251	0161	Curlew Sandpiper	2	13
0254	0167	Broad-billed Sandpiper	2	1
0255	0934	Ruff	2	1
0267	0146	Black-winged Stilt		15
0268	0147	Banded Stilt		6
0269	0148	Red-necked Avocet		14
0275	0143	Red-capped Plover		13
0282	0144	Black-fronted Dotterel		10
0284	0132	Red-kneed Dotterel	2	7
0297	0125	Silver Gull		5
0303	0112	Caspian Tern		4
0316	0110	Whiskered Tern		2
0317	0109	White-winged Black Tern		1
0330	0034	Common Bronzewing	3	2
0333	0043	Crested Pigeon		8
0356	0794	Short-billed Black-Cockatoo	1	1
0356A	1266	White-tailed Black-Cockatoo		2
0362	0271	Little Corella		1
0364	0269	Sulphur-crested Cockatoo		4
0378	0278	Regent Parrot		2
0386	0294	Australian Ringneck		14
0387	0290	Red-capped Parrot		4
0446	0322	Laughing Kookaburra		3
0451	0326	Sacred Kingfisher		1
0453	0329	Rainbow Bee-eater		5
0471	0532	Splendid Fairy-wren	3	10
0492	0976	Striated Pardalote		4
0500	0488	White-browed Scrubwren	3	3
0512	0465	Weebill	3	1
0517	0463	Western Gerygone		9
0524	0476	Inland Thornbill	3	8
0531	0486	Yellow-rumped Thornbill	3	9
0537	0638	Red Wattlebird		8
0561	0608	Singing Honeyeater		1
0583	0597	Brown Honeyeater		1
0587	0631	New Holland Honeyeater	4	1
0607	0448	White-fronted Chat		8
0613	0380	Scarlet Robin	3	1
0650	0398	Golden Whistler	3	1
0653	0401	Rufous Whistler	3	6
0658	0408	Grey Shrike-thrush	3	1
0670	0369	Restless Flycatcher	3	1
0671	0415	Magpie-Lark		11

			Page No.	3
0673	0361	Grey Fantail	12	
0676	0364	Willie Wagtail	11	
0678	0424	Black-faced Cuckoo-shrike	2	
0691	0546	Black-faced Woodswallow	2	4
0695	0702	Grey Butcherbird	11	
0698	0705	Australian Magpie	13	
0706	0930	Australian Raven	13	
0725	0647	Richard's Pipit	3	
0763	0357	Welcome Swallow	13	
0765	0359	Tree Martin	10	
0768	0524	Clamorous Reed-Warbler	1	
0772	0522	Little Grassbird	2	
0775	0508	Brown Songlark	1	
0781	0574	Silvereye	8	

*** END OF REPORT ***

① 3
 ② 12
 ③ 16
 ④ 6

SUMMARY REPORT

TOTAL BIRDS SIGHTED	:	108
TOTAL NUMBER OF CARDS	:	15

*** END OF SUMMARY ***




















Point Meadup 1 & 2

Lake McLarty 1



LEGEND

-  Rivers, 1M - GA 01/06/00
-  Towns - DLI 8/04
-  A
-  B
-  C
-  Swan Coastal Plain South 1m Orthomosaic DLI 01/04
-  Threated Ecological Communities - CALM 12/4/05
-  Swan Coastal Floristic Survey - CALM 98
-  EPP, Wetlands 2004 (DRAFT) - DOE 21/7/04
-  Road Centrelines - DLI 1/5/04
-  Freeway
-  Highway
-  Local Rd - Other
-  Local Rd - Sealed
-  Main Road
-  No classification
-  Track



Scale 1:130000
 (Approximate when reproduced at A4)

Geocentric Datum Australia 1994

Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

Prepared by: Erin Harris
 Prepared for:
 Date: 5/08/2005 1:38:55 PM

Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.



BUSHLAND AREA: McLarty Nature Reserve

QUADRAT No. McLarty 01 VEGETATION TYPE _____

DATE TRIP 11/10/93 BOTANIST BJK / ML / NG

VOLUNTEERS _____

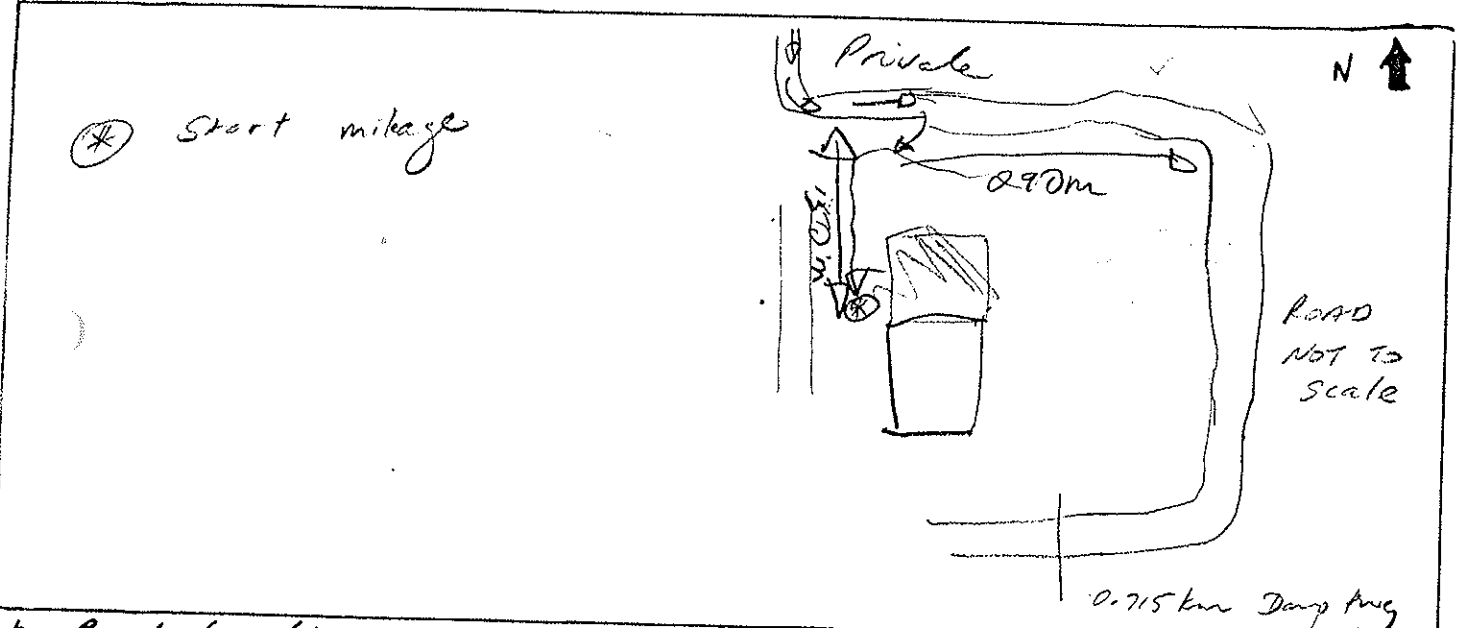
DATE TRIP _____ BOTANIST _____

VOLUNTEERS _____

Keighery and Keighery, 1990
Adapted from Griffin and Keighery, 1981
MOORE RIVER to JURIE SANDPLAIN
SURVEY. WILDFLOWER SOCIETY of WA

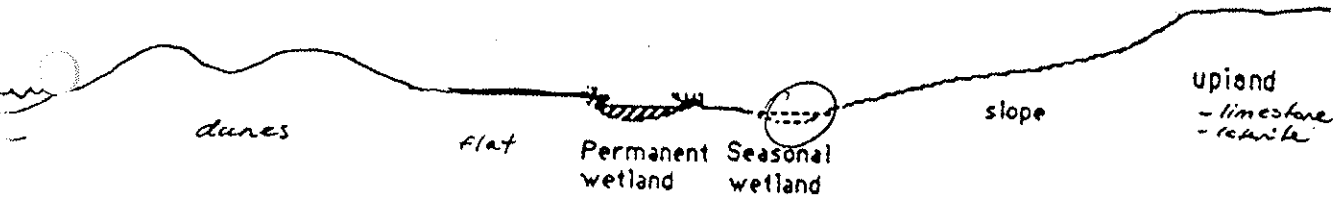
1. LOCATION of the QUADRAT

a. Mud Map Draw a sketch of the location of the quadrat



b. Road Location	c. Latitude	Longitude
	32 41 37.7	115 42 19.3
d. Photograph Photographer's name <u>NG</u> Photo No <u>5</u>	Altitude <u>5m ± 100m</u>	

e. Topographic position - Circle position of quadrat



2. SITE DATA - Circle the correct response

Slope flat gentle steep

Aspect

N	NE	E	SE	S	SW	W	NW
---	----	---	----	---	----	---	----

Surface soil Bark ~~black~~ grey sandy peaty clay (shells in soil)

Sub-surface soil ? clay EC = Phw

Drainage well mod poor Wet All year winter/spring Wells & deep Acid 4 in Swamp

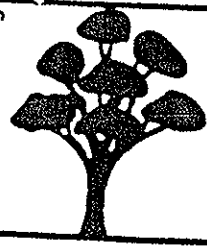



Litter (% cover) 00% % Bare ground 10%

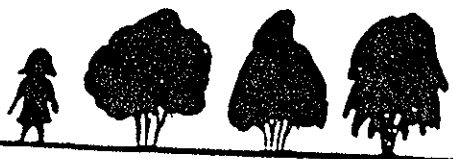




3. VEGETATION STRUCTURE AND COVER. Record appropriate cover class


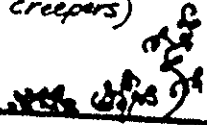


* In site Mel raph
all 2m and under
adj to small tree.

Cover Class - percentage classes

0%	under 2%	2-10%	10-20%	20-30%	30-50%	50-70%	over 70%
----	----------	-------	--------	--------	--------	--------	----------

LIFE FORM	TREES		MALLEES	
	> 15m or 5-15m 	Under 5m 	MALLEE SHRUB less than 8m 	MALLEE TREE 8m or more 
COVER CLASS (%)	> 15m 5-15m	2-10%		
Dominant Species		* Mel raph		

LIFE FORM	SHRUBS				
	use the height classes indicated				
	over 2m 	2.0-1.5m 	1.5-1.0m 	1.0m - .5m 	under 5m 
COVER CLASS (%)		2-10%		10-20%	
Dominant Species		Halk. var.		Mel lep Cel Ht	

LIFE FORM	BUNCH GRASSES	HERBS	SEDGES	
	under .5m 	wider .5m (except creepers) 	over .5m 	under .5m 
COVER CLASS (%)			50-70%	
Dominant Species			Lepto. sp Bom. juve.	

4. VEGETATION CONDITION

PRISTINE	Comments
EXCELLENT	
VERY GOOD	
GOOD	
DEGRADED	

SPECIES PRESENCE

11/10/93

QUADRAT No.

McLART #1

- work systematically through the vegetation, start with the tallest stratum, i.e. trees
- within each stratum try to record the **most common species first** and the most uncommon last.
- as each species is collected **label** it with a numbered tag and use this number on your recording sheet
- indicate if the species is in **flower**

Keighery and Keighery, 1990
 Adapted from Griffin and Keighery, 1989
 MOORE RIVER to JURIE SANDPLAIN
 SURVEY. WILDFLOWER SOCIETY of WA

trees		SHRUBS		Herbs	
No	ID	No	ID	No	ID
Med rapu					
Mallees					
SHRUBS		Bunch Grasses			
Mel. leucodendron					
Calothrix lateralis					
				Sedges	
		Herbs		Isolop mang	
		Goodenia pulchella (sterile)		Leptocarpus (sp) winged	
		Cape wattle		Baumea juncea	
		X Villarsia (capitata sterile)		Juncus pallidus	
		Hypochaeris glabra		= pars alba	
		Lobelia palata			
		Cassipoupa racemosa			

BUSHLAND AREA: Mealup Point Nat Res. PLEASE USE PENCIL

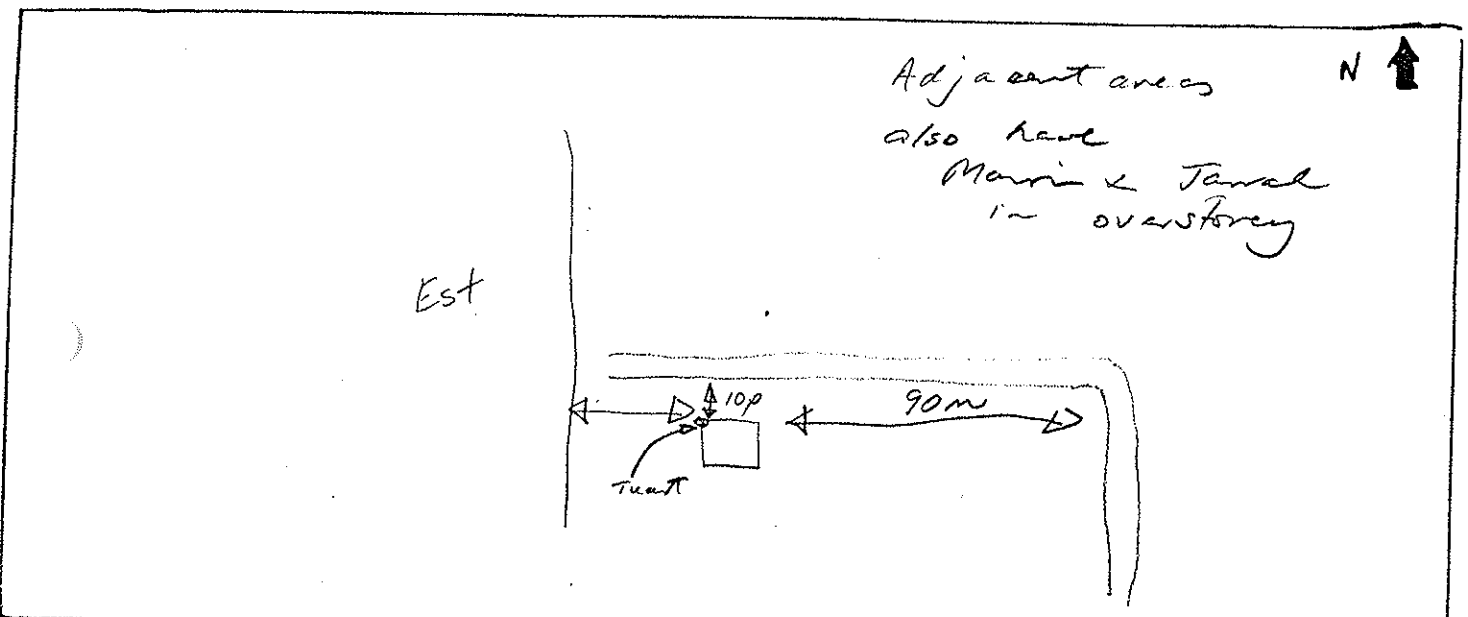
QUADRAT No. MEAL 01 VEGETATION TYPE Tuart Open Woodland
 DATE TRIP 11/10/93 BOTANIST NG/BJK/ML
 VOLUNTEERS 18/11/93
 DATE TRIP 11/10/93 BOTANIST NG/ML
 VOLUNTEERS _____

Keighery and Keighery, 1990
 Adapted from Griffin and Keighery, 1985
 MOORE RIVER to JURIE SANDPLAIN
 SURVEY. WILDFLOWER SOCIETY of WA

MEAL

1. LOCATION of the QUADRAT

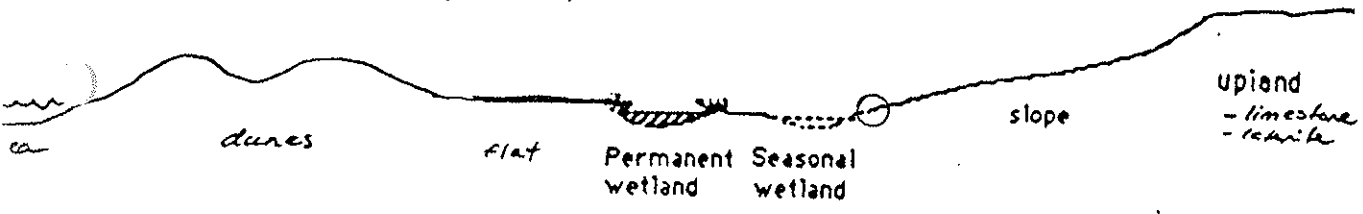
a. Mud Map Draw a sketch of the location of the quadrat



b. Road Location	c. Latitude	Longitude
	32° 40' 38.0"	115° 41' 13.5"
		Altitude
		5m ± 100m

d. Photograph Photographer's name NG Photo No 3

e. Topographic position - Circle position of quadrat



2. SITE DATA - Circle the correct response

Slope flat gentle steep

Aspect N NE E SE S SW W NW

Surface soil brown sand

Sub-surface soil yellow/orange sand Wells & Resp = S2b
 ES = Qts

Drainage well mod poor





Wet All year winter/spring






Litter (% cover) 90%


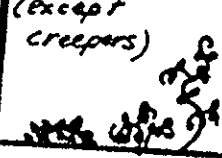


% Bare ground 2%

Cover Class - percentage classes

0%	under 2%	2-10%	10-20%	20-30%	30-50%	50-70%	over 70%
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LIFE FORM	TREES		MALLEES	
	<p>> 15m or 5-15m</p> 	<p>Under 5m</p> 	<p>MALLEE SHRUB less than 8m</p> 	<p>MALLEE TREE 8m or more</p> 
COVER CLASS (%)	<p>> 15m 5-15m</p> <p>Tuast 10-20% 70-80% 20-30%</p>			
Dominant Species	<p>Tuast Bankia aff.</p>			

LIFE FORM	SHRUBS					SHRUBS	
	<p>use the height classes indicated</p>						
	over 2m		2.0-1.5m	1.5-1.0m	1.0m - .5m	under 5m	
							
COVER CLASS (%)					50-70%		
Dominant Species					Hib Lyp		

LIFE FORM	BUNCH GRASSES	HERBS	SEDGES	
	<p>under .5m</p> 	<p>wider .5m (except creepers)</p> 	<p>over .5m</p> 	<p>under .5m</p> 
COVER CLASS (%)		30-70%		
Dominant Species		<p>AVL cop/lat. mottle + Annuals, mostly weeds.</p>		

4. VEGETATION CONDITION

PRISTINE	<p>Comments</p> <p>Annual herbs mostly weeds.</p> <p>Briza max eg Hyp glob, Amag ars. (most com) replaced? Fire? grazing</p>
EXCELLENT	
VERY GOOD	
GOOD	
DEGRADED	

SPECIES PRESENCE

11/10/92

QUADRAT No.

MEAR 61

- work systematically
- within each stratum try to record the **most common species first** and the most uncommon last.
- as each species is collected **label** it with a numbered tag and use this number on your recording sheet
- indicate if the species is in **flower**

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Trees	No	ID	SHRUBS	No	ID	Herbs	No	ID
Tuart Banksia att. (DEAD Acacia saligna)			18/11/93 Aristida maritima Oxalis stricta Portulaca micropylus * Aiza * Vulpia Dactyloctenium * Tetradlea sp 2 Microlaena stipoides Mammillaria reidii Dichalme crinita Avena trispica Pennisetum			* Tritolium arvense * Petrophragma velut. * Anagallis arvensis * Hypochaeris glabra * Miktophila pus. * Sonchus oleraceus		
Mallees								
SHRUBS								
Macro. reid. Hibb. hyp. Conostaph. preissii Leucop. racemulosa Phyllanthus cely. Pithecia rostrata Leuc. propinquus			Bunch Grasses * Briza maxima * Briza minor * Grass * Aiza cary * Bromus diandrus Microlaena stip			Sedges Lepido spem. angust. Isotepis Mang.		
Sorrel NEBR			Herbs Geranium retrosum Oxalis perrierans Podolapis lessonae Podolapis gracilis Arthrop. Scapillipes Drosera stolonifera Diisera maritima Patersonia occident. Haemodorum (shaplock) Lomandra caespitosa Xanthoxia Sowerbaea laxa Ichnala houlba Trichyrene pilosa * Lotus * Weed Orthocentrus laevis			Ranunculus colonorum		

SWAN COASTAL PLAIN SURVEY - SURVEY RECORDING SHEET Please use pencil

BUSHLAND AREA: Mealup Point Nature Reserve

QUADRAT No. MEAL 02 VEGETATION TYPE _____

DATE TRIP 11/10/93 BOTANIST NG/ML/OJK

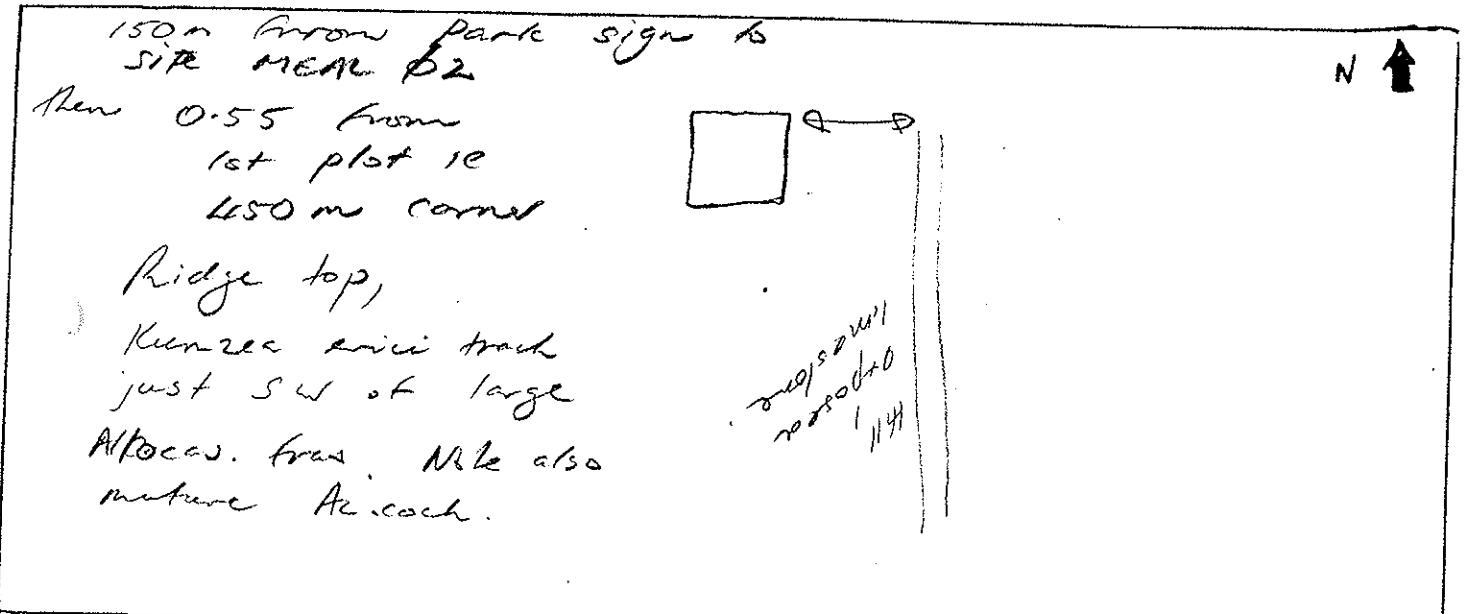
VOLUNTEERS _____

DATE TRIP 18/11/93 BOTANIST NG/ML

VOLUNTEERS _____

1. LOCATION of the QUADRAT

a. Mud Map Draw a sketch of the location of the quadrat



b Road Location	c. Latitude	Longitude
	32° 40' 50.6"	115° 41' 15.0"
d. Photograph Photographer's name <u>NG</u> Photo No <u>4</u>	Altitude <u>20m ± 100m</u>	

e. Topographic position - Circle position of quadrat



2. SITE DATA - Circle the correct response

Slope flat gentle steep

Aspect

N	NE	E	SE	S	<u>SW</u>	W	NW
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Surface soil brown sand exposed limestone

Sub-surface soil orange sand / limestone Wells & Resp = S1a
ES = Q2L

Drainage well mod poor

Wet All year winter/spring

Litter (% cover) moss/litter
90%





% Bare ground 1%






Keighery and Keighery, 1990
Adapted from Griffin and Keighery, 1988
MOORE RIVER to JURIE SANDPLAIN SURVEY. WILDFLOWER SOCIETY OF WA

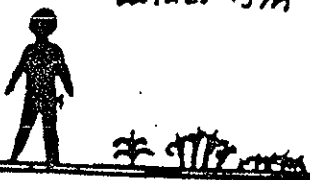
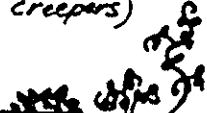

3. VEGETATION STRUCTURE AND COVER. Record appropriate cover class

Cover Class - percentage classes

0%	under 2%	2-10%	10-20%	20-30%	30-50%	50-70%	over 70%
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LIFE FORM	TREES		MALLEES		15m 10m 5m
	> 15m or 5-15m 	Under 5m 	MALLEE SHRUB less than 8m 	MALLEE TREE 8m or more 	
COVER CLASS (%)	> 15m	5-15m			
Dominant Species					

LIFE FORM	SHRUBS <i>use the height classes indicated</i> SHRUBS						3m 2m 1m Height (metres)
	over 2m 	2.0-1.5m 	1.5-1.0m 	1.0m - .5m 	under 5m 		
COVER CLASS (%)	30-50%			50-70%			
Dominant Species	<i>Ac. cocklearis</i>			<i>Hibb. hyp.</i>			

LIFE FORM	BUNCH GRASSES	HERBS	SEDGES		2.0m 1.5m 1.0m .5m
	under .5m 	wider .5m (except creepers) 	over .5m 	under .5m 	
COVER CLASS (%)	2-10%	2-10%			
Dominant Species	<i>Microlaena stip.</i> <i>Stipax</i>	<i>Ac. prencisii</i> <i>Dianella</i> + Annual herbs			

4. VEGETATION CONDITION

PRISTINE		comments Scattered weeds, moss layer intact!
EXCELLENT		
VERY GOOD	✓	
GOOD		
DEGRADED		

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Nr 13037 152.72

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