

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DN SITE NUMBER 01
 DATE TRIP 18-10-00 RECORDERS NS BM AW
 DATE TRIP _____ RECORDERS _____
 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.



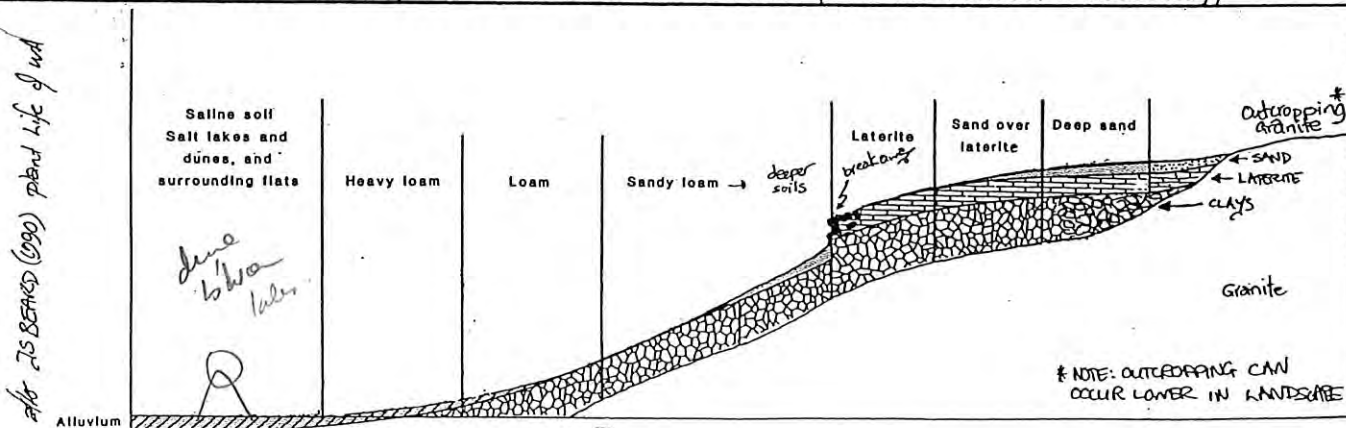
see map

Road Location Nambour West Rd

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

Photograph _____ Photographer's Name NS 16 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	white sand						Colour						
Exposed rock	type						% surface						
Sub-surface Soil	white sand						Colour						
Rock	type						depth to rock						
Drainage	☒ well	☐ mod	☐ poor	depth water	cm	Wet		all year		winter/spring			
Litter	20		% cover		Bare Ground		30%		% cover				
	Depth < 1		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			 			30m	10m
COVER CLASS (%)							
DOMINANT SPECIES							
SHRUBS						SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM	 					2m	1m
COVER CLASS (%)		10-30		10-30			
DOMINANT SPECIES		Leptospermum		Melaleuca			
GRASSES		HERBS		SEDGES		SEDGES	
				over 0.5m	under 0.5m		
LIFE FORM	 			 	 	1m	
COVER CLASS (%)				30-70			
DOMINANT SPECIES				Haemodorum			

4. VEGETATION CONDITION

Comments

good condⁿ

Shire of Moora.

Namban Nature Reserve

Namban West Road, between playa lakes. Approx. 0.5 m above water. Fence dropper on road edge to mark. N of rd past allocasuarinas.

SITE: WMA44

FORM ID SPECIMEN FIELD DESC

Revisit 18/10/2000. Observers NS/Bm/Am

in ✓ Acacia lasiocarpa sedifolia	SH	MAL	y	
in ✓ Acanthocarpus preissii	SH		y	acanthocarpus tiny flg
in ✓ Allocasuarina campestris	SH	F	y	
in ✓ Gompholobium tomentosum	SH		y	
in ✓ Leptospermum erubescens	SH	LWS	y	
in ✓ Melaleuca amydra	SH	MAL	y	
in ✓ Melaleuca uncinata	SH	LWS	y	
in ✓ Scholtzia umbellifera	SH	MAL	y	recoll nov 99 checked ok
in ✓ Desmodium myriocladus (HAIRY VARIANT)	SE		y	
in ✓ Harperia lateriflora	SE	MAL	y	pale brown base, lf pointed
in ✓ Lepidosperma costale	SE	MAL	y	
in ✓ Schoenus nanus	SE		y	
in ✓ Blennospora drummondii	H		y	
in ✓ Caladenia flava flava	H			
in ✓ Cassytha flava	H	MAL	y	
in ✓ Centrolepis pilosa	H		y	
in ✓ Comesperma volubile	H	MAL	y	
in ✓ Crassula ciosiana	H		y	crassula pedicillosa
in ✓ Crassula colorata	H	F		need ssp
in ✓ Crassula peduncularis	H	F		
in ✓ Drosera glanduligera	H			
in ✓ Drosera menziesii menziesii	H	? Ssp		pink flrs many styles, hairy clx, lf pelt
in ✓ Drosera stolonifera humilis	H	? Ssp	y	
in ✓ Gnephosis angianthoides	H	LWS	y	
in ✓ Gonocarpus nodulosus	H		y	
in ✓ Hyalosperma demissum	H		y	
in ✓ Hypolaena exsulca	H		y	
in ✓ Hypochaeris glabra	H			
in Indet	H		y	levenhookia red
in Indet	H		y	gnephosis tall bchd yel flrs (gneang)
in Indet	H			brachycome tiny white flrs, not recolctd
in Indet	H		y	calandrinia tiny, common
in ✓ Lobelia heterophylla	H	MAL	y	
in ✓ Opercularia vaginata	H		y	
in ✓ Parentucellia latifolia	H		y	
in ✓ Podolepis capillaris	H	LWS	y	fine daisy
in ✓ Podotheca uniseta	H	MAL	y	podotheca succulent lvs
in ✓ Poranthera microphylla	H			
in ✓ Stylidium dichotomum	H	MAL	y	stylidium stilted (get check by lowrie?)
in ✓ Trachymene cyanopetala	H	F	y	
in ✓ Trachymene pilosa	H			

✓ Centrolepis pilosa
 ✓ Acanthocarpus preissii
 ✓ Allocasuarina campestris
 ✓ Gompholobium tomentosum
 ✓ Leptospermum erubescens
 ✓ Melaleuca amydra
 ✓ Melaleuca uncinata
 ✓ Scholtzia umbellifera
 ✓ Desmodium myriocladus
 ✓ Harperia lateriflora
 ✓ Lepidosperma costale
 ✓ Schoenus nanus
 ✓ Blennospora drummondii
 ✓ Caladenia flava flava
 ✓ Cassytha flava
 ✓ Centrolepis pilosa
 ✓ Comesperma volubile
 ✓ Crassula ciosiana
 ✓ Crassula colorata
 ✓ Crassula peduncularis
 ✓ Drosera glanduligera
 ✓ Drosera menziesii menziesii
 ✓ Drosera stolonifera humilis
 ✓ Gnephosis angianthoides
 ✓ Gonocarpus nodulosus
 ✓ Hyalosperma demissum
 ✓ Hypolaena exsulca
 ✓ Hypochaeris glabra
 Indet
 Indet
 Indet
 Indet
 ✓ Lobelia heterophylla
 ✓ Opercularia vaginata
 ✓ Parentucellia latifolia
 ✓ Podolepis capillaris
 ✓ Podotheca uniseta
 ✓ Poranthera microphylla
 ✓ Stylidium dichotomum
 ✓ Trachymene cyanopetala
 ✓ Trachymene pilosa

WMA44

21/09/1999

23/11/1999

Faunacode: DN01

zone 50 AMG_E:

402387

AMG_N: 6639582

Page 15 of 35

Shire of Moora.

Namban Nature Reserve

Namban West Road, between playa lakes. Approx. 0.5 m above water. Fence dropper on road edge to mark. N of rd past allocasuarinas.

SITE: WMA44

FORM ID SPECIMEN FIELD DESC

Revisit /10/2000. Observers MS/Qu/Ar

in	Trifolium arvense arvense	H	LWS	y	
in	Ursinia anthemoides	H			
in	Austrostipa elegantissima	G	MAL	y	
in	Austrostipa macalpinei	G	MAL	y	
in	Neurachne alopecuroides	G	MAL	y	
in	Pentaschistis airoides	G			
in	Triodia danthonioides	G	MAL	y	grass plectracne
in	Vulpia myuros	G	MAL	y	
5	Eremaea purpurea	SH		y	
5	Jacksonia hakeoides	SH	MAL	y	
5	Schoenus rigens	SE	MAL	y	?gahn aust
5	Anigozanthos humilis humilis				
5	Dianella revoluta divaricata				
5	Indet				shrub blue succulent lvs in bud
5	Indet			y	real lvs, flr yel, red keel. Mirbel spnov
5	Indet			y	red stem herb, lvs basal + cauline
5	Persoonia chapmaniana	LWS		y	compact shrub 1m
5	Rhagodia drummondii	MAL		y	Maireana like
5	Stylobasium australe	MH		y	SHRUB NO PETALS

~~Lobelia~~

Wahlenbergia sp. huij

~~Cassia~~ sp.~~Drosera~~ sp.~~Calceolaria~~ sp. Drosera sp.

Wahlenbergia sp. glab.



Cassia

20 x 20

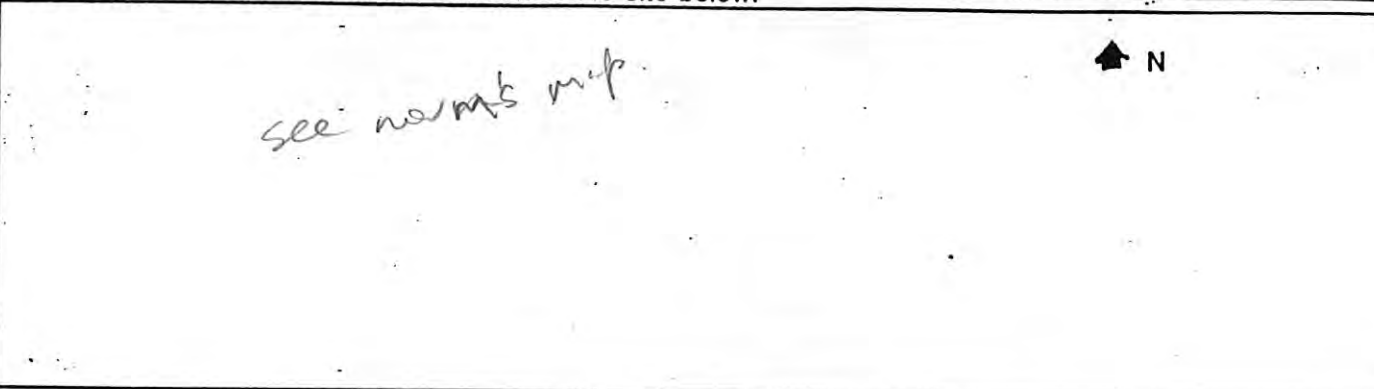
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DN SITE NUMBER 02
 DATE TRIP 8-10-00 RECORDERS NS/SJA/AN
 DATE TRIP _____ RECORDERS _____
 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.



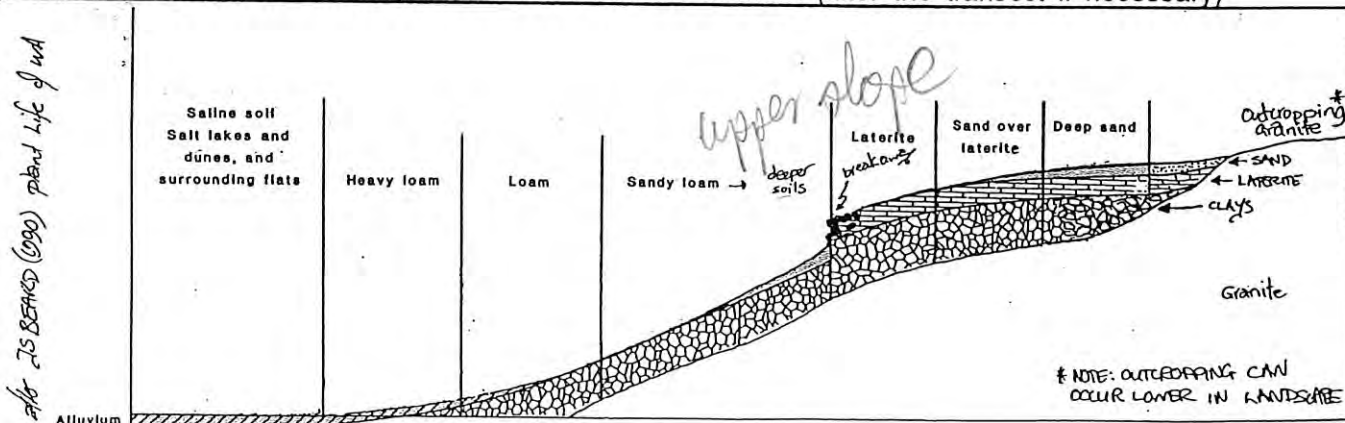
Road Location EAGLE HILL RD

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____

Photograph _____ Photographer's Name NS IF 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 Sandy loam gray Colour _____

Exposed rock type chert gravel % surface _____

Sub-surface Soil ditto Colour _____

Rock chert type _____ depth to rock _____

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

Litter <u>10</u>	% cover	Bare Ground <u>gravel</u>	% cover
Depth	cm	<u>10</u>	

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						30m	10m
COVER CLASS (%)							
DOMINANT SPECIES							
SHRUBS						SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)	30-70						
DOMINANT SPECIES	Allocasuarina						
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)			10-30				
DOMINANT SPECIES			Leptochloa monnina				

4. VEGETATION CONDITION

Comments

Some ground mining in area

Shire of Moora.

Watheroo National Park

Jingemba Chert. Eagle Hill Rd first access track on left take right fork for 1.5k, access track to SW for 200m and Q52 is on SE side of track.

SITE: WMA52

FORM ID SPECIMEN FIELD DESC

Revisit /10/2000. Observers NS/DW/AW

in ~~Allocasuarina campestris~~	SH	F	
in ~~Baeckea sp. Moora (R. Bone 1993/1)~~	SH	MET	y L Sage colctd in nov for Malcolm, 1.2m
in ~~Calytrix gracilis~~	SH	MAL	y
in ~~Daviesia hakeoides subnuda~~	SH	LWS	
in ~~Melaleuca cordata~~	SH	LWS	y
in ~~Melaleuca holosericea~~	SH	LWS	y hot pink melaleuca
in ~~Stypandra glauca~~	SH	LWS	y
in ~~Verticordia nitens~~	SH	LWS	y
in ~~Ecdeiocolea monostachya~~	SE	F	
in ~~Astroloma serratifolium~~	H		y,y2 leucopogon spikey
in ~~Blennospora drummondii~~	H	F	
in ~~Borya sphaerocephala~~	H	LWS	y
in ~~Burchardia umbellata~~	H		y short floral bracts
in ~~Dichopogon preissii~~	H	MAL	y,y2 recolctd nov 99 flg
in ~~Elythranthera brunonis~~	H	F	
in ~~Gonocarpus nodulosus~~	H	F	y
in ~~Hydrocotyle callicarpa~~	H	MAL	y small, open infloresc (distinctly pedic)
in ~~Hypochoeris glabra~~	H	F	
in ~~Leporella fimbriata~~	H	F	leaf only
in ~~Levenhookia dubia~~	H		y
in ~~Levenhookia stipitata~~	H	MAL	y levenhookia pink flr r/g lvs hairy calx
in ~~Millotia tenuifolia~~	H	F	
in ~~Patersonia graminea~~	H	LWS	y patersonia tall thin flr
in ~~Rhodanthe laevis~~	H		y
in ~~Stylidium leptophyllum~~	H	MAL	y,y2 dark pink flr
in ~~Thysanotus patersonii~~ <i>may be seeds</i>	H	F	
in ~~Trachymene cyanopetala~~	H	MAL	
in ~~Trachymene ornata~~	H	MAL	
in ~~Trachymene pilosa~~	H	F	
in ~~Amphipogon strictus~~	G	MAL	y
in ~~Austrostipa trichophylla~~	G	MAL	y
in ~~Neurachne alopecuroides~~	G	F	
5 ~~Calothamnus hirsutus~~	SH	LWS	y
5 ~~Calytrix leschenaultii~~	SH	LWS	y callec
5 ~~Dryandra subulata~~	SH	F	y
5 ~~Schoenus subflavus~~	SE	MAL	y schoenus erect flrs
5 ~~Arctotheca calendula~~	H	F	
5 ~~Chamaescilla corymbosa latifolia~~	H	MAL	y
5 ~~Gilberta tenuifolia~~	H	PW	y
5 ~~Haemodorum venosum~~	H	F	haemodorum 2 flat strap lvs to .8m
5 ~~Stylidium calcaratum~~	H	MAL	y sty ? cal small pink fl annual

20x20 - no trees.

10x10 ✓ Schoenus (small) ? clonal distinct

✓ Elaeagnus (1 to 1 m tall) = leucopogon haemodorum
 ✓ Dacrydium (small) = leucopogon haemodorum
 ✓ Calytrix sp. bracts / yellow
 ✓ Verticordia nitens

AD J lily-like + [yellow] depressum

✓ Lepidosperma sp P1

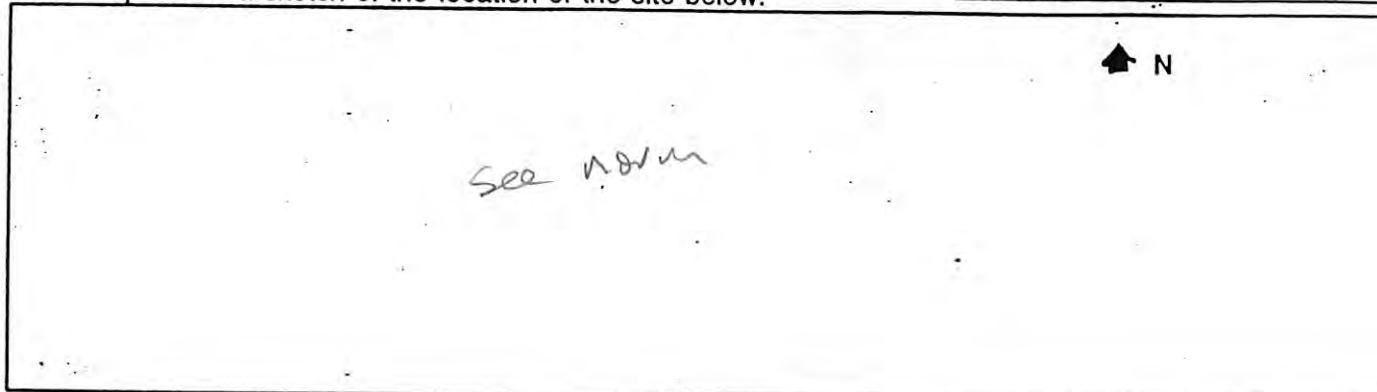
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DN SITE NUMBER 03
 DATE TRIP 18-10-00 RECORDERS NS/BM/AW
 DATE TRIP _____ RECORDERS _____
 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.

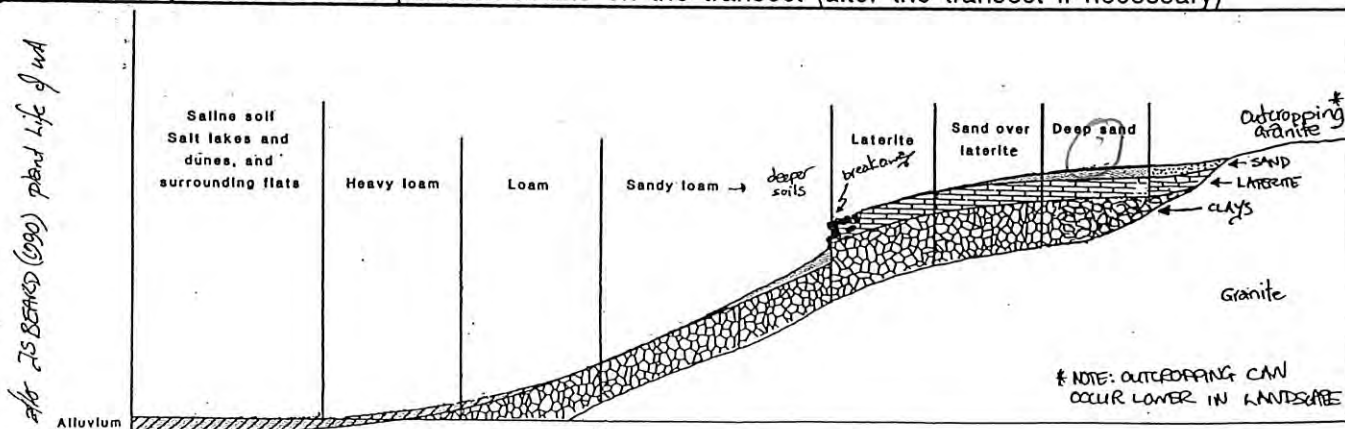


Road Location Gungidi NR

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

Photograph Photographer's Name NS 18 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 Orange sand Colour _____
 Exposed rock type _____ % surface _____

Sub-surface Soil orange sand Colour _____
 Rock type _____ depth to rock _____

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

Litter 40 % cover _____
 Depth 1 cm cm Bare Ground 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						30m	10m
COVER CLASS (%)					2-10		
DOMINANT SPECIES					<i>Euc pyramidalis</i>		
SHRUBS					SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)		30-70					
DOMINANT SPECIES		<i>Acacia saligna</i> <i>Banksia laevigata</i> <i>Allocasuarina</i>					
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)			2-10				
DOMINANT SPECIES			<i>B. di. b. m. m.</i>				

4. VEGETATION CONDITION

Comments

excellent

Shire of Moora.

Gunyidi Nature Reserve

The Midlands Road, near Scott Rd. 1 k N of South end of reserve off western boundary. Marked with fence dropper at track side.

SITE: WMA46

FORM ID SPECIMEN FIELD DESC

Revisit 8/10/2000. Observers NG/BW/TW

in Banksia prionotes	T	F		det nov99
in Eucalyptus pyriformis	T	F		det nov99
in Actinostrobos arenarius	SH	MAL	y	
in Allocasuarina campestris	SH			
in Astroloma serratifolium	SH	MAL	y	collected nov 99 with leuham
in Calytrix flavescens	SH	MAL	y	
in Calytrix strigosa	SH			calytrix loose pink flrs
in Hakea circumalata	SH	MAL	y	
in Hakea platysperma	SH		y	
in Lechenaultia linarioides	SH			
in Leucopogon hamulosus	SH	MAL	y	leucopogon hook leaf
in Scholtzia involucreta	SH	LWS	y	commersonia??
in Thryptomene prolifera	SH	LWS	y	STABM ?baeckea?grand
in Blennospora drummondii	H			
in Centrolepis drummondiana	H		y	
in Drosera erythrorhiza	H			drosera erythro
in Drosera stolonifera humilis	H	LWS	y	drosera stolon branched
in Ecdeiocolea monostachya	H			
in Gonocarpus nodulosus	H		y	
in Hypochaeris glabra	H			
in Indet	H		y	?helipterum very very small
in Lepidobolus preissianus	H	MAL	y	
in Levenhookia stipitata	H	?	y	levenhookia red lvs
in Mesomelaena preissii	H	MAL	y	
in Millotia tenuifolia	H		y	
in Podotheca angustifolia	H		y	podotheca ang
in Podotheca uniseta	H		y	podotheca succulent leaves
in Pyrorchis nigricans	H		y	
in Quinetia urvillei	H			Qui phoe misrecord
in Rhodanthe laevis	H		y	helipterum laevis
in Schoenus subflavus	H		y	
in Trachymene cyanopetala	H			
in Trachymene ornata	H			
in Trachymene pilosa	H			
in Ursinia anthemoides	H			
in Wahlenbergia gracilentia	H		y	wahlenbergia ?gracilentia
in Aira cupaniana	G	MAL	y	
in Neurachne alopecuroides	G			
in Triodia danthonioides	G	MAL	y	plectrachne
in Vulpia myuros	G		y	
5 Eucalyptus eudesmioides	T	LWS	y	

Ceratogone down.
 = Baeckea wispyflora
 Xylomelon angust.
 Schoenus sp. gulfensis
 Cassinia sp. colorata
 Schoenus sp. 2 claudantius
 Baeckea + Kingia. Scholystia off grandiflora
 Lepidobolus dracopifolius

20x20
 100 trees

Shire of Moora.

Gunyidi Nature Reserve

The Midlands Road, near Scott Rd. 1 k N of South end of reserve off western boundary. Marked with fence dropper at track side.

SITE:	WMA46	FORM	ID	SPECIMEN	FIELD DESC	Revisit 17/10/2000. Observers
5	Beaufortia elegans	SH	LWS	y		
5	Calothamnus quadrifidus	SH	LWS	y		
5	Conospermum stoechadis stoechadis	SH	LWS	y		
5	Mirbelia trichocalyx	SH	LWS	y		
5	Phebalium microphyllum	SH	LWS	y		
5	Thysanotus patersonii	SH			Thysanotus patersonii	
5	Verticordia endlicheriana manicula	SH	LWS	y		
5	Schoenus pleiostemoneus	SE	MAL	y	curly lf, red based sedge	
5	Conostylis dielsii dielsii	H	MAL	y	conostylis wooly lf, fir yell to red	
5	Indet	H			prasophyl 35cm 16xwh+pk fls gr/br bract	
5	Avellinia michellii	G				
in	Casuarina obesa	T	LWS	y		
in	Acacia blakelyi	SH	SW	y	stan reid to ACABLA	
in	Halosarcia indica bidens	SH	MAL	y	succulent	
in	Melaleuca brevifolia	SH	MAL	y	blue leaves	
in	Melaleuca strobophylla	SH	MAL	y	melaleuca pungent leaf	
in	Melaleuca uncinata	SH	MAL	y	cream to yellow frs	
in	Melaleuca viminea viminea	SH	MAL	y	green leaves white flowers	
in	Scholtzia sp.Eneabba(S.Maley 8)	SH	LWS	y	pink buds	
in	Verticordia densiflora densiflora	SH	MAL	y	rechecked nov1999	
in	Angianthus tomentosus	H	MAL	y	not 100 perc sure	
in	Centrolepis polygyna	H	MAL	y		
in	Conostylis aculeata bromelioides	H	LWS	y	conostylis spines yell fir?aculeata	
in	Goodenia pulchella	H	LWS	y	ssp pinjarra (small) voucher LWSage 2353	
in	Indet	H			triglochin	
in	Indet	H			triglochin	
in	Indet	H	MAL	y	?isolepis	
in	Isolepis congrua	H	MAL	y	isolepis	
in	Podolepis capillaris	H	MAL	y	id not 100 perc sure	
in	Pogonolepis stricta	H	MAL	y	short branched daisy	
5	Callistemon phoeniceus	SH	MAL	y	callistemon blue lf, red flrs	
5	Jacksonia hakeoides	SH	MAL	y	rechecked nov1999	
5	Indet	H		y	calandrinia white flrs	

Not DN03

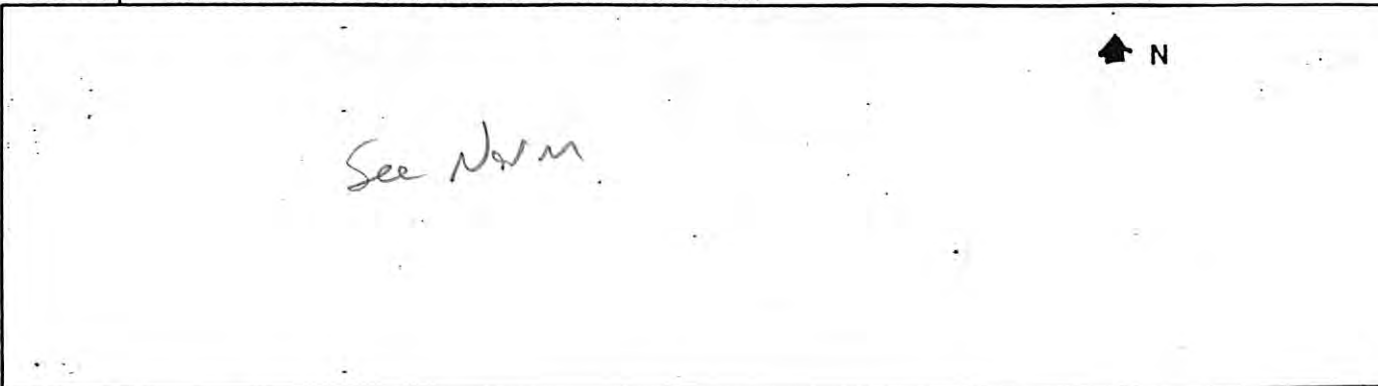
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DN SITE NUMBER 04
 DATE TRIP 18-10-00 RECORDERS NG/BM/LW
 DATE TRIP _____ RECORDERS _____
 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.



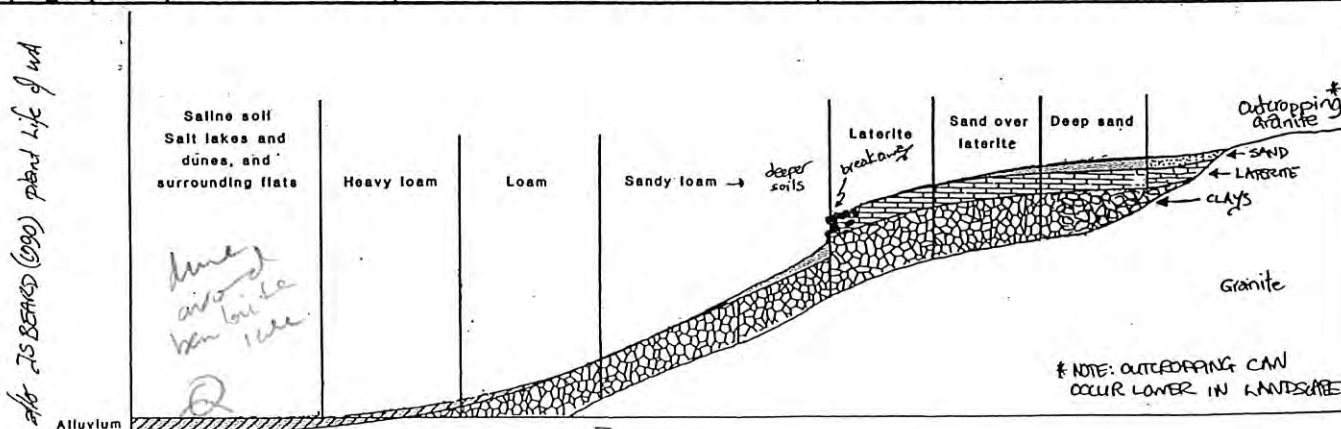
Road Location WATKINS RD - Benjamins Lake

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____

Photograph Photographer's Name NG19 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 br loamy sand Colour _____

Exposed rock type _____ % surface _____

Sub-surface Soil br loamy sand Colour _____

Rock type _____ depth to rock _____

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

Litter 60 % cover _____ Bare Ground 10 % cover _____

Depth 3 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						30m	10m
COVER CLASS (%)						30-70	
DOMINANT SPECIES						<i>Allocasuarina</i>	
SHRUBS						SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)		30-70					
DOMINANT SPECIES		<i>Allocasuarina</i> <i>Leguminosae</i> <i>Allocasuarina</i>					
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)	30-70						
DOMINANT SPECIES	<i>Stylidium</i>						

4. VEGETATION CONDITION

Comments

*good but
new mine*

Shire of Coorow.

Private property Bill Scotts (Bentonite lake)

Bentonite Lake area. 100m W of farm gate West of frm sheds.

SITE: WMA80

FORM ID SPECIMEN FIELD DESC

Revisit 18/10/2000. Observers

JG / BWA

in / Eucalyptus loxophleba supralaevis	T	MAL	y	mallee, check subsp
in / Acacia acuaria	SH	MAL	y	prickly shorter phyllode
in / Acacia lineolata lineolata	SH	MAL	y	linear phyllode
in / Dianella revoluta divaricata	SH			
in / Grevillea hakeoides hakeoides	SH	MAL	y	fine leaves
in Indet	SH		y	?maireana soft succulent lvs
in Indet	SH		y	billardiera
in Indet	SH		y	?spyridium spiny branches
in / Melaleuca uncinata	SH	MAL	y	
in / Microcorys tenuifolia	SH	LWS	y	?hemigenia
in / Rhagodia drummondii	SH	MAL	y	ht 60 cm
in / Scaevola spinescens	SH	LWS		field id leigh
in / Desmodium asper	SE	MAL	y	
in / Anagallis arvensis	H	MAL	y	
in / Blennospora drummondii	H	MAL	y	dried
in / Brachyscome pusilla	H	MAL	y	recheck
in / Calandrinia granulifera	H	LWS	y	
in / Cassytha glabella	H	MAL	y	fine
in / Comesperma integerrimum	H	MAL	y	
in / Comesperma volubile	H	MAL	y	
in / Crassula colorata	H	F		dried
in / Goodenia berardiana	H	LWS		
in / Hypochaeris glabra	H	F		dried
in Indet	H		y	long fruiting heads
in / Lepidium rotundum	H	MAL	y	
in / Lobelia heterophylla	H	MAL	y	
in / Lomandra effusa	H	MAL	y	fine serrate lf margins
in / Orobanche minor	H	MAL	y	dried
in / Phyllangium paradoxum	H	MAL	y	
in / Plantago debilis	H	MAL	y	dried
in / Podolepis canescens	H	MAL	y	yellow flr
in / Podolepis capillaris	H	MAL	y	
in / Ptilotus spathulatus	H	MAL	y	
in / Thysanotus manglesianus	H	MAL	y	dried
in / Trachymene cyanopetala	H	F		dried
in / Trifolium arvense arvense	H	MAL	y	
in / Ursinia anthemoides	H	F		
in / Austroanthonia caespitosa	G	MAL	y	
in / Austrostipa elegantissima	G	MAL	y	
in / Austrostipa scabra scabra	G	MAL	y	
5 Indet	SH		y	hibbertia ht 1.5m

18-10-00

Valeriana

? Wisly shrub = Hemigenia ? selinger

Oxalis sp. paranaensis

Rhagodia

Rhagodia drummondii

Lepidopoda big off sp A2 Flat Island

- not hairy

USP

Acacia acutata / manglesianus

Rhagodia sp. daphnifolia

Rhagodia stricta

Wahlbergia speciosa

Plantago off hsp

20+20cm

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DN SITE NUMBER 05
 DATE TRIP 18-10-00 RECORDERS NS / B. / A.
 DATE TRIP _____ RECORDERS _____
 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.



see map is map

Road Location

PINJARRA NATURE RESERVE

Geographic Location Latitude

S Longitude

E Altitude

Reference Map

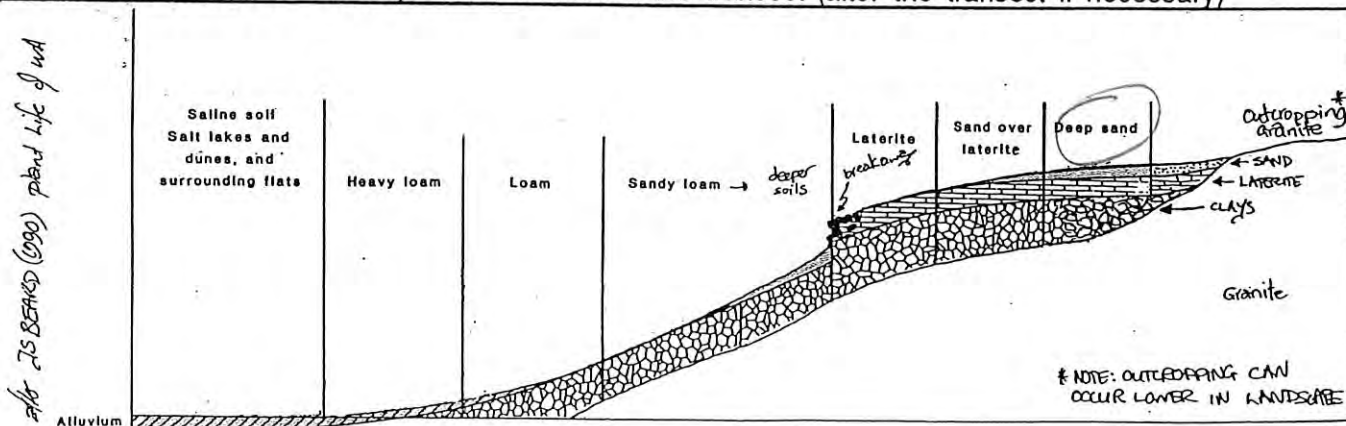
Photograph

Photographer's Name

NS 10

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

Wetland Sand

Colour

Exposed rock

type

% surface

Sub-surface Soil

ditto

Colour

Rock

type

depth to rock

Drainage

well

mod

poor

depth water

cm

Wet

all year

winter/spring

Litter

10

% cover

Depth

cm

Bare Ground

40

% 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						30m	10m
COVER CLASS (%)							
DOMINANT SPECIES							
SHRUBS					SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM	2-3 					2m	1m
COVER CLASS (%)	10-30			10-30			
DOMINANT SPECIES	B. wron A. ...			M. ...			
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)							
DOMINANT SPECIES							

4. VEGETATION CONDITION

Comments

excellent

Shire of Coorow.

Pinjarrega Nature Reserve

19.35 K W of Midlands Road, ?1km south of Coorow Greenhead Road.

SITE: WMA78

FORM ID SPECIMEN FIELD DESC

Revisit 14/10/2000. Observers NG / BM / AW

in ~~Actinostrobos arenarius~~	T	F	6 equal valves attenuate
in ~~Banksia prionotes~~	T	F	
in ~~Beaufortia elegans~~	SH	MAL	y
in ~~Calytrix sapphirina~~	SH	MAL	y
in ~~Eremaea beaufortioides beaufortioides~~	SH	MAL	y orange flrs
in ~~Gompholobium tomentosum~~	SH	MAL	y yellow flrs
in ~~Grevillea eriostachya~~	SH	MAL	y no flrs
in ~~Hakea psilorrhyncha~~	SH	MAL	y terete lvs
in Indet	SH		y nemcia
in Indet	SH		y jacksonia oakleaf - = flr-like
in ~~Jacksonia floribunda~~	SH	MAL	y
in ~~Jacksonia nutans~~	SH	MAL	y
in ~~Lachnostachys eriobotrya~~	SH	MAL	y
in ~~Leptospermum erubescens~~	SH	MAL	y
in ~~Leucopogon hamulosus~~	SH	MAL	y
in ~~Melaleuca amydra~~ off ct.	SH	MAL	y pink flrs
in ~~Petrophile brevifolia~~	SH	MAL	y yellow flrs
in ~~Petrophile drummondii~~	SH	MAL	y yellow flrs, added to sheet
in ~~Pileanthus peduncularis~~	SH	MAL	y
in ~~Scholtzia involocrata~~	SH	MAL	y
in ~~Synaphea spinulosa spinulosa~~	SH		y check
in ~~Verticordia densiflora densiflora~~	SH	MAL	y old flrs
in ~~Desmocladius myriocladus~~	SE	MAL	y desmocladius curly
in ~~Lepidobolus preissianus preissianus~~ chatochloa	SE	MAL	y ?harperia lateriflora
in ~~Schoenus latitans~~	SE	MAL	y small schoenus bent leaves
in ~~Schoenus sp. A2 Kulin (B.G. Briggs 7939)~~	SE	MAL	y like pleistemoneus?
in ~~Tetraria microcarpa~~ hel + + + + +	SE	MAL	y schcur/tetraria like base, white base
in ~~Anigozanthos humilis humilis~~	H	MAL	y
in ~~Cassytha flava~~	H	MAL	y
in ~~Conostylis teretiuscula~~	H	F	
in ~~Dampiera oligophylla~~	H	LWS	y
in ~~Dampiera spicigera~~	H	LWS	
in ~~Drosera erythrorhiza~~	H	F	old dried plants
in ~~Lechenaultia juncea~~	H	LWS	y
in ~~Levenhookia pusilla~~	H	F	hairy calyx stipitate
in ~~Tripterococcus brunonis~~	H	F	old flrs
in ~~Amphipogon turbinatus~~	G	MAL	y teret lvs
in ~~Neurachne alopecuroides~~	G	F	
5/ Indet	H		y pygmaea drosera
5/ Indet	H		y stylidium ciliate/hisp?

~~Drosera~~ ~~stolon~~
~~Calytrix~~ [sp 2 = DN3] purple fls] str. juv

~~Narcissus~~ ~~placata~~ (VSA)

~~Dawsonia~~ ~~modiflora~~

~~Pygmaea~~ ~~Drosera~~ ~~puleacea~~ ~~puleacea~~

~~Mitrella~~ ~~Spring~~ ~~trichocladus~~

~~Schoenus~~ ~~sp 3~~
 val off brevifolia

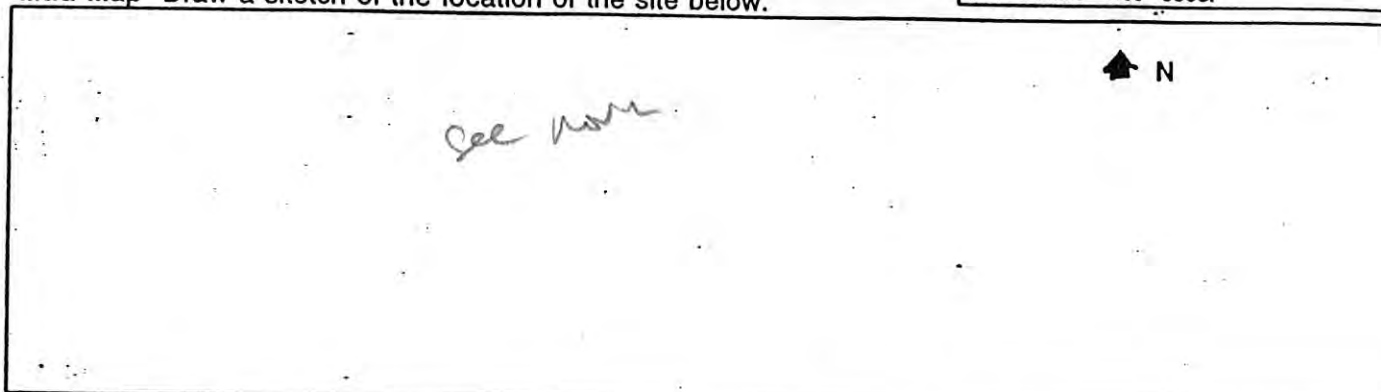
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DJ SITE NUMBER 06
 DATE TRIP 18-10-00 RECORDERS NS/BW/AN
 DATE TRIP _____ RECORDERS _____
 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.

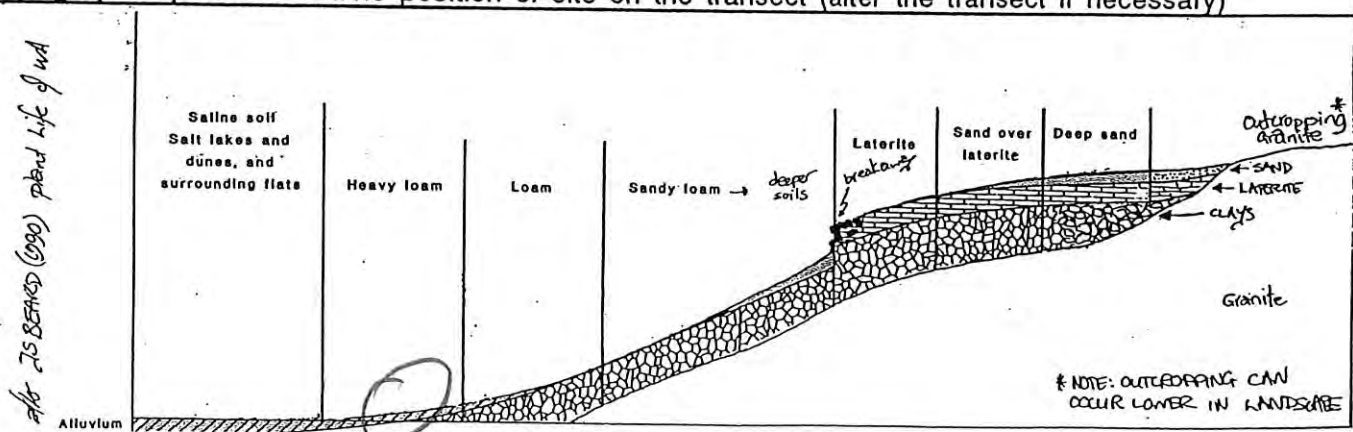


Road Location PINJARRUPA NAT RES.

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

Photograph Photographer's Name NS 21 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 Br clay Colour _____
 Exposed rock type _____ % surface _____

Sub-surface Soil Br clay Colour _____
 Rock type _____ depth to rock _____

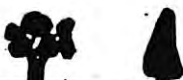
Drainage well mod poor depth water cm Wet all year winter/spring

Litter 30% % cover _____
 Depth 4 cm Bare Ground 10% %cover _____

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					
	over 15m	5-15m	under 5m	MALLEES over 8m	under 8m
LIFE FORM					 30m 6-8 10m
COVER CLASS (%)					30-70
DOMINANT SPECIES					Leishmania

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					 2m 1m
COVER CLASS (%)				10-30	
DOMINANT SPECIES				Acacia	

GRASSES		HERBS		SEDGES	
				over 0.5m	under 0.5m
LIFE FORM					 1m
COVER CLASS (%)					
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments

Leishmania
very good wood

North edge of Pinjarreg Lake. ?19.35 K W of Midlands Road, ?3.5 km south of Coorow Greenhead Road.
SITE: WMA70

FORM	ID	SPECIMEN	FIELD	DESC
1	2	3	4	5

Revisit 18/10/2000. Observers NH/Bm/mw

- in ☒ *Eucalyptus loxophleba loxophleba*
in ☒ *Acacia erinacea*
in ☐ Indet
in ☐ Indet
in ☒ *Ptilotus divaricatus divaricatus*
in ☒ *Rhagodia drummondii*
in ☒ *Sclerolaena diacantha*
in ☒ *Angianthus tomentosus*
in ☒ *Crassula colorata*
in ☐ Indet
in ☐ Indet
in ☒ *Pogonolepis stricta*
in ☒ *Austrodanthonia pilosa*
in ☒ *Austrostipa tenuifolia*

T	MAL	y	
SH	MAL	y	
SH		y	atriplex, dominant
SH		y	?maireana
SH	MAL	y	
SH	MAL	y	Wiry spyridium like
SH	MAL	y	maireana like
H	MAL	y	
H	F		
H		y	caespitose daisy yellow flrs
H		y	dry specimen, calandrinia like calyprat
H	MAL	y	
G		y	?
G	MAL	y	

Dunus gloos
Islandia sp. *calypt*
Securidans
Plantago aff. *hispidula*
Crassula *colorata*
~~*Rosa*~~
Albizia *uliginosa*
Hydrocotyle *berlandieri*
 ? *Podochilus* *canaliculatus* *Schouler* *canaliculatus*
Cardenia *beardiana*
Cilicaria *longifolia*
Hydrocotyle *calypt* sp. ? *calypt*
Lophidium *patersonii*

Wahlbergia sp. (- hairy) (preissii) -

Dampiera sp.

Stinking Boy

Wahlgang (-dienst)

~~King~~ Rejection of cygnets

Petrobraya velutina

✓ ~~W. ruber sp.~~ = *Apthorhynchus* / *transversus* (VSD)

Aira corymbosa.

✓ *Caryophyllaceae* = *Silene gallica*

Plants suitable air and soil?

Pleurolytes ? in mass?

✓ p.t. d'essai $\frac{2}{3} = \frac{1}{2}$ devoirs

✓ *Rhodanthe stricta* ✓

off Antichloric

✓ *Pterostylis spatulata*

Colandrea granulifera

✓ ✓ ~~Staph. viridifluens~~
variabilis

Wabbs für und

~~Page~~

20x20 same

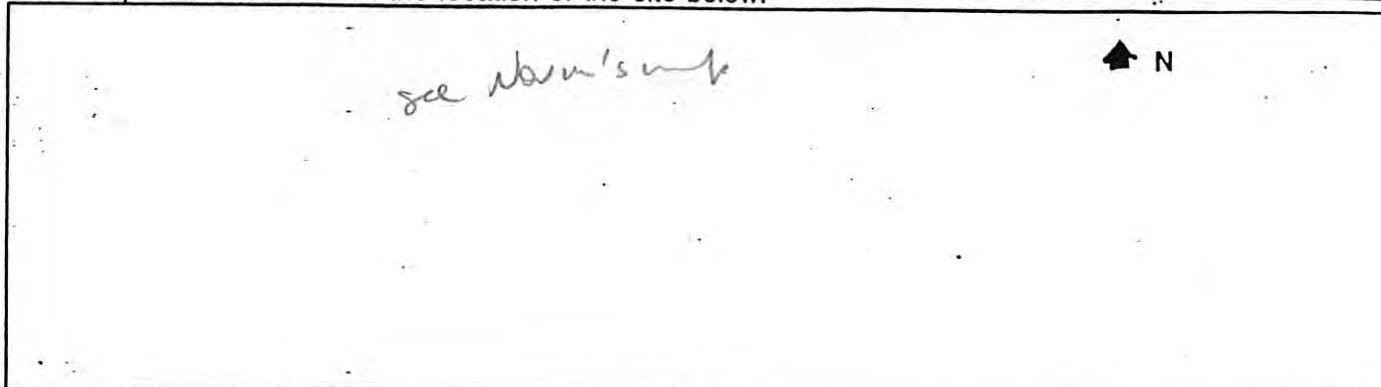
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DN SITE NUMBER 07
 DATE TRIP 18-10-80 RECORDERS NS/BM/AW
 DATE TRIP _____ RECORDERS _____
 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.

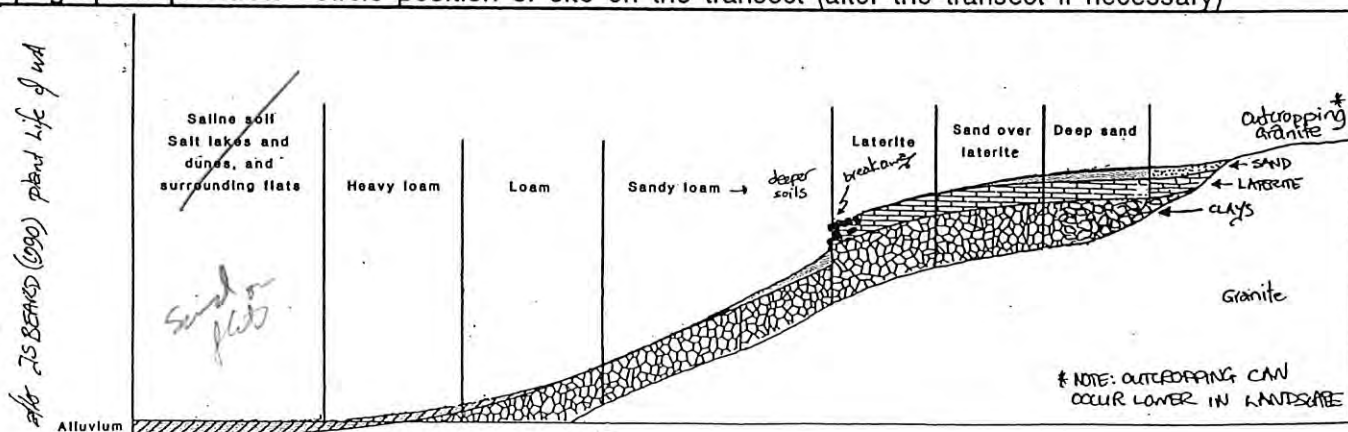


Road Location COOROW - GREENHEAD

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

Photograph _____ Photographer's Name _____ Photo No _____

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



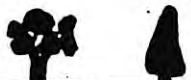
2. SITE DATA Circle the correct response.

Slope	<u>flat</u>	gentle	steep	Aspect	N	NE	E	SE	S	SW	W	NW	
Surface Soil	<u>grey sand</u>							Colour					
Exposed rock	type							% surface					
Sub-surface Soil	<u>grey sand</u>							Colour					
Rock	type							depth to rock					
Drainage	well	<u>mod</u>	poor	depth	water	cm	Wet	all year	<u>winter/spring</u>				
Litter	40		% cover		Bare Ground		10		% cover				
	Depth	21	cm										

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						MALEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)			2-10				
DOMINANT SPECIES			<i>Cas. phae</i>				
SHRUBS					SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)		2-10		30-70			
DOMINANT SPECIES		<i>Artocarpus sp</i>		<i>Albizia sp</i>			
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)							
DOMINANT SPECIES							

4. VEGETATION CONDITION

Comments

water logged
in winter

DN7

Query1

19/10/2000

FAUNA	In5m	TaxonID	Form	SpCode	Specimen	Flrg	Id	FieldID	dateb
DN7	in	1742	T	CASOBE ✓	y	f	LWS		22/09/1999
DN7	in	3242	SH	ACABLA ✓	y	y	SW	stan reid to ACABLA	22/09/1999
DN7	5	5395	SH	CALPHO	y	f	MAL	callistemon blue lf, red flrs	22/09/1999
DN7	in	12121	SH	HALINDBI ✓	y		MAL	succulent	22/09/1999
DN7	5	4015	SH	JACHAK	y		MAL	rechecked nov1999	22/09/1999
DN7	in	5881	SH	MELBRE ✓	y	f	MAL	blue leaves	22/09/1999
DN7	in	5972	SH	MELSTR ✓	y	f	MAL	melaleuca pungent leaf	22/09/1999
DN7	in	5984	SH	MELUNC ✓	y	y	MAL	cream to yellow frs	22/09/1999
DN7	in	13280	SH	MELVIMVI ✓	y	y	MAL	green leaves white flowers	22/09/1999
DN7	in	16838	SH	SCHSP. ✓	y	b	LWS	pink buds	22/09/1999
DN7	in	15432	SH	VERDENDE ✓	y	b	MAL	rechecked nov1999	22/09/1999
DN7	in	7836	H	ANGTOM ✓	y	y	MAL	not 100 perc sure	22/09/1999
DN7	in	1134	H	CENPOL ✓	y	b	MAL		22/09/1999
DN7	in	11552	H	CONACUBR ✓	y	y	LWS	conostylis spines yell flr?aculeata	22/09/1999
DN7	in	7538	H	GOOPUL ✓	y	y	LWS	ssp pinjarra (small) voucher LWSage 23	22/09/1999
DN7	in	-1	H	INDET	y	y		triglochin	22/09/1999
DN7	in	-1	H	INDET	y	f		triglochin	22/09/1999
DN7	in	-1	H	INDET	y	y	MAL	?isolepis	22/09/1999
DN7	5	-1	H	INDET	y	y		calandrinia white flrs	22/09/1999
DN7	in	911	H	ISOCON	y		MAL	isolepis	22/09/1999
DN7	in	8173	H	PODCAP	y	y	MAL	id not 100 perc sure	22/09/1999
DN7	in	8188	H	POGSTR ✓	y	y	MAL	short branched daisy	22/09/1999

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No DN 0X

Date 18-10-00

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

[illegible]

// ~~Agg~~ *Gordonia* ~~small~~
pudicella ✓

NO EARLY DATA SET
SEEN 18/10.

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DW SITE NUMBER 08
 DATE TRIP 19-10-00 RECORDERS NS/BM/AW
 DATE TRIP _____ RECORDERS _____
 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.



See notes & map

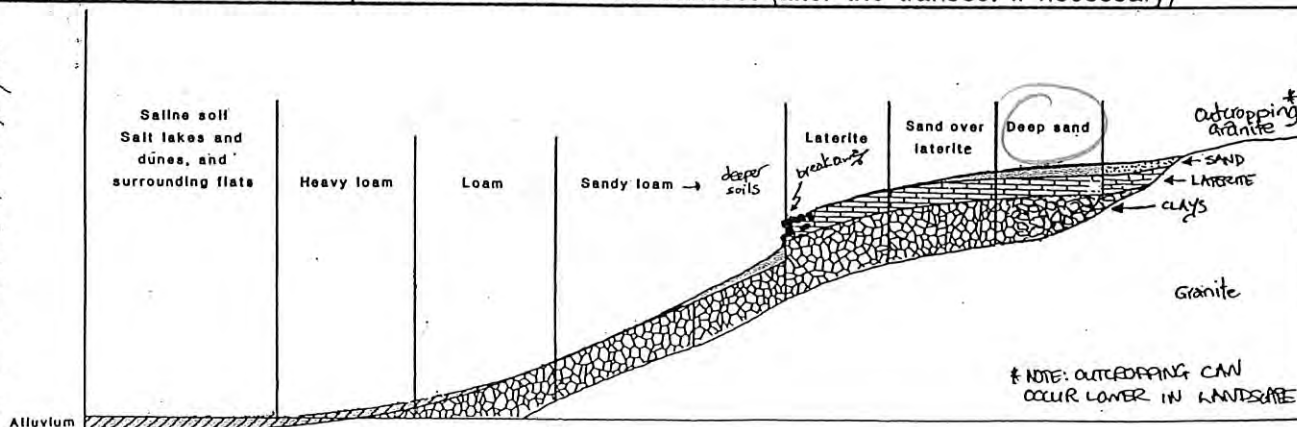
Road Location WILMINGTON TRAIL

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

Photograph Photographer's Name NS 24 Photo No _____

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

after 25 BEARDS (1990) plant life of WA



2. SITE DATA Circle the correct response.

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

Surface Soil cream sand Colour _____
 Exposed rock type _____ % surface _____

Sub-surface Soil cream sand Colour _____
 Rock type _____ depth to rock _____

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

Litter low % cover _____
 Depth 2 cm cm Bare Ground 10% %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						30m	10m
COVER CLASS (%)							
DOMINANT SPECIES							
SHRUBS					SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)	2-10	10-20		30-70			
DOMINANT SPECIES	Xylom agouti	Bleum Actin		MIXED			
GRASSES		HERBS		SEDGES		under 0.5m	
				over 0.5m			
LIFE FORM							1m
COVER CLASS (%)				2-10			
DOMINANT SPECIES				Mesquite sp			

4. VEGETATION CONDITION

Comments

Good cond

Shire of Dandaragan.

Watheroo National Park (Northern boundary, near Marchagee Track)

5.2km E of Coalara Rd (ext of Wilcocks Rd), 150m S of Marchagee Track. 10m S of second E-W firebreak. 100m W of N-S firebreak.

SITE: WMA42

FORM ID SPECIMEN FIELD DESC

Revisit 11/10/2000. Observers NS/BM/AW

In ☒ Banksia prionotes	T	F		
In ☒ Xylomelum angustifolium	T	F		
In ☒ Actinostrobos arenarius	SH			
In ☒ Beaufortia elegans	SH	EAG	Y	
In ☒ Beyeria brevifolia	SH			
In ☒ Calytrix flavescens	SH	H	Y	bigger lvs and white stem
In ☒ Calytrix leschenaultii	SH			
In ☒ Calytrix strigosa	SH	H	185	
In ☒ Chamelaucium drummondii hallii	SH			
In ☒ Daviesia nudiflora	SH	F		
In ☒ Dryandra shuttleworthiana	SH			
In ☒ Eremaea pauciflora	SH			
In ☒ Grevillea biformis biformis	SH			grevillea terete silver, in structure
In ☒ Grevillea eriostachya	SH	H	Y	Proteac, midvein end in point, ?GRE THYS
In ☒ Hakea candolleana	SH	EAG	Y	hakea clog fruit flat grey lvs
In ☒ Hakea circumalata	SH	EAG	Y	
In ☒ Hakea cygna cygna	SH			
In ☒ Hakea platysperma	SH			SDLGS AND DEAD SHRUBS
In ☒ Hakea psilorrhyncha	SH			
In ☒ Jacksonia floribunda	SH			
In ☒ Lachnostachys eriobotrya	SH			
In ☒ Leptospermum erubescens	SH			
In ☒ Leucopogon hamulosus	SH	H	Y	Leuc recurved sharp lvs
In ☒ Melaleuca pentagona	SH		Y	CHECK
In ☒ Melaleuca sp. aff. tricophylla	SH	EAG,H	Y	closest id possible
In ☒ Pileanthus peduncularis	SH			pili orange see collection
In ☒ Verticordia densiflora	SH	EAG	Y	ver scattered blue lvs
In ☒ Verticordia nobilis	SH	EAG,H	Y	
In ☒ Ecdeiocolea monostachya	SE			
In ☒ Indet	SE		Y	?CAUST
In ☒ Isolepis marginata	SE			
In ☒ Lepidobolus preissianus	SE			BIG DECID BRACTS, GLAUCUS
In ☒ Mesomelaena preissii	SE		Y	
In ☒ Schoenus subflavus	SE			
In ☒ Cassytha racemosa	H			
In ☒ Drosera erythrorhiza	H			
In ☒ Drosera macrantha macrantha	H			
In ☒ Drosera stolonifera humilis	H			4 stems, 5 lvs per whorl
In ☒ Hypochaeris glabra	H			
In ☒ Indet	H			PRASOPHYLLUM SP
In ☒ Isotoma hypocrateriformis	H			

Amphipogon

Schoenus ? dendroica latifolia

Pterostichis sp.

Thymus holosericeus

Tetradlea microcarpa

Glochidion aureum

Shire of Dandaragan. Watheroo National Park (Northern boundary, near Marchagee Track)

5.2km E of Coalara Rd (ext of Wilcocks Rd), 150m S of Marchagee Track. 10m S of second E-W firebreak. 100m W of N-S firebreak.

SITE: WMA42

FORM ID SPECIMEN FIELD DESC

Revisit /10/2000. Observers

In	Levenhookia pusilla	H			levenh red	
In	Levenhookia stipitata	H				
In	Opercularia vaginata	H				
In	Podotheca angustifolia	H	H	Y	PODOTHECA DRIED OLD, PODO	
In	Pterochaeta paniculata	H			waitzia paniculata	
In	Rhodanthe citrina	H				
In	Stylidium adpressum	H				
In	Stylidium pilliferum	H				
In	Trachymene ornata	H				
In	Austrostipa macalpinei	G				
In	Indet	G		Y	Big clump grass, not recollected	
In	Neurachne alopecuroidea	G				
In	Triodia danthonioides	G	EAG	Y		

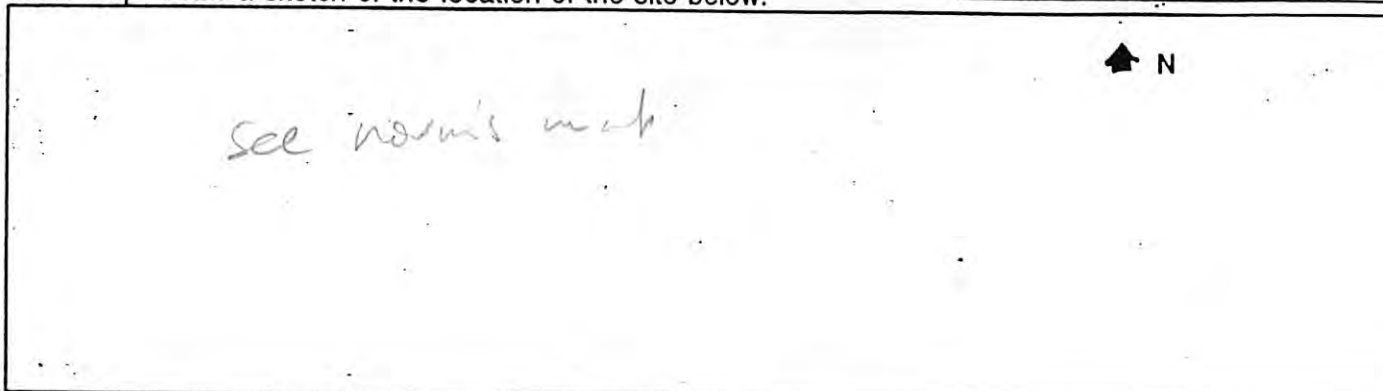
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DN SITE NUMBER 09
 DATE TRIP 11-10-00 RECORDERS NG/BM/AW
 DATE TRIP _____ RECORDERS _____
 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.



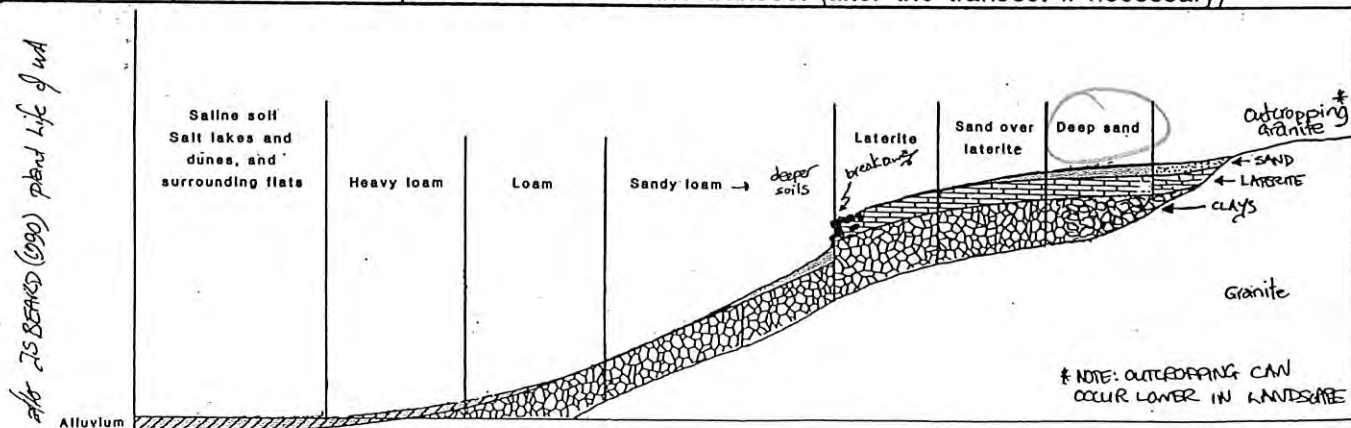
Road Location WATFORD RD

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____

Photograph Photographer's Name NG 23 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 deep gray sand Colour _____
 Exposed rock type _____ % surface _____

Sub-surface Soil deep gray sand Colour _____
 Rock type _____ depth to rock _____

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

Litter 60 % cover _____ Bare Ground _____ % cover _____
 Depth 42 cm 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						30m	10m
COVER CLASS (%)							
DOMINANT SPECIES							
SHRUBS					SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)	10-30			30-70			
DOMINANT SPECIES	Dry scrub Acacia			Artocarpus Boraginaceae			
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)							
DOMINANT SPECIES							

4. VEGETATION CONDITION

Comments

gullies

WMA53

24/09/1999 23/11/1999

Faunacode: DN09

zone 50 AMG_E:

378142

AMG_N: 6659242

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Shire of Dandaragan.

Watheroo National Park

Western extension of WNP. 4.2 km S of Marchagee Track. ?200m W of Coalara Road.

SITE: WMA53

FORM ID SPECIMEN FIELD DESC

Revisit 19/10/2000. Observers JS/OW/AW

	T	F	
in ☒ Eucalyptus accedens	SH	F	y
in ☒ Actinostrobilus arenarius	SH	F	
in ☒ Allocasuarina humilis	SH	F	
in ☒ Baeckea camphorosmae	SH	MAL	y
in ☒ Boronia ramosa ramosa	SH	MAL	y blue flrs
in ☒ Bossiaea eriocarpa	SH	MAL	y
in ☒ Calytrix aurea	SH	LWS	y
in ☒ Calytrix leschenaultii	SH	LWS	y purple flrs
in ☒ Dryandra sessilis sessilis	SH	MAL	y field ?glauca
in ☒ Gonocarpus pithyoides	SH	MAL	y ?stenopetalum, tiny flrs on fl stem
in ☒ Hibbertia subvaginata	SH	LWS	y
in ☒ Lasiopetalum oldfieldii biloculatum	SH	LWS	y
in ☒ Lepidosperma costale	SH	MAL	y added to sheet
in ☒ Melaleuca ciliosa	SH	LWS	y
in ☒ Melaleuca sp. aff. holosericea	SH	y,y2	melaleuca pink flrs nov, 70cm
in ☒ Petrophile megalostegia	SH	MAL	y yellow flr
in ☒ Pileanthus filifolius	SH	F	y id inside nov99
in ☒ Synaphea spinulosa spinulosa	SH	F	
in ☒ Thryptomene proflera	SH	LWS	y
in ☒ Verticordia nitens	SH	LWS	y
in ☒ Alexgeorgea nitens	SE	MAL	y,y2 like alexgeorgea
in ☒ Caustis dioica	SE	MAL	y
in ☒ Chordifex sinuosus	SE	MAL	y restio brown nuts
in ☒ Desmocladius semiplanus	SE	MAL	y
in ☒ Isolepis marginata	SE	MAL	y sch nanus
in ☒ Centrolepis pilosa	H	F	
in ☒ Conostylis teretiuscula	H		
in ☒ Crassula closiana	H	F	
in ☒ Crassula colorata	H	F	
in ☒ Dampiera spicigera	H		y
in ☒ Drosera erythrorhiza	H		
in ☒ Drosera stolonifera porrecta	H	MAL	y
in ☒ Elythranthera brunonis	H	F	hairy leaf only
in ☒ Hypochaeris glabra	H	F	
in ☒ Indet	H		y stylidium little yellow flr
in ☒ Levenhookia dubia	H	F	
in ☒ Levenhookia stipitata	H	F	levenhookr/g lvs, pink flrs, hairy clx
in ☒ Millotia tenuifolia	H	F	
in ☒ Opercularia vaginata	H	LWS	y
in ☒ Patersonia occidentalis	H	LWS	y
in ☒ Phyllangium paradoxum	H	MAL	y

☒ Austrostipis ^{ham: hoga} large ^(VSP) ~~fls~~
☒ Stylidium ^{large repens} ^{? bulb.}
☒ ~~Melaleuca sp. 3 =~~ ^{Sp Watheroo} ~~Beaufortia degens~~ ^{scul'us}
☒ ~~Trogon~~ ^(dent + 2 xed)
☒ ~~Amphipogon~~ ^{bulb.}
☒ ~~Goodenia~~ ^{Scrub} ~~fls~~
☒ ~~Schizanthus~~
☒ Stylidium ^{macrocarpum} ~~synanthemon~~
☒ Calytrix ^{brandy} ~~lylla~~
☒ Desmocladius ^{particularis}

collected

Shire of Dandaragan.

Watheroo National Park

Western extension of WNP. 4.2 km S of Marchagee Track. ?200m W of Coalara Road.

SITE: WMA53

FORM ID SPECIMEN FIELD DESC

Revisit 9/10/2000. Observers

in	<i>Podotheca angustifolia</i>	H	MAL	y	bracts recurved
in	<i>Pterochaeta paniculata</i>	H	MAL	y	
in	<i>Thysanotus patersonii</i>	H	F		
in	<i>Trachymene pilosa</i>	H	MAL		
in	<i>Austrostipa macalpinei</i>	G	F		
in	<i>Neurachne alopecuroidea</i>	G	F		
5	<i>Acacia stenoptera</i>	SH	LWS	y	
5	<i>Calytrix drummondii</i>	SH	MAL	y	white to pale yellow, ?c. acutif.
5	<i>Calytrix sapphirina</i>	SH	MAL	y	calytrix strigosa? recheck
5	<i>Dryandra carlinoides</i>	SH	F		
5	<i>Dryandra platycarpa</i>	SH	MAL	y	dryandra column
5	<i>Hakea incrassata</i>	SH	MAL	y	hakea blue flat ov lvs, ?lehman
5	<i>Hibbertia pachyrrhiza</i>	SH	LWS	y	pachyrrhiza rechecked ok
5	Indet	SH		y	chenopod blue
5	Indet	SH		y	myrt ?melal fine terete lvs
5	Indet	SH		y	lachnostachyus
5	<i>Leporella fimbriata</i>	SH	F		lvs only
5	<i>Lomandra hastilis</i>	SH	F		
5	<i>Stackhousia monogyna</i>	SH	MAL	y	
5	<i>Ursinia anthemoides</i>	SH	F		
5	<i>Verticordia densiflora</i>	SH	MAL	y	
5	<i>Verticordia grandis</i>	SH	MAL	y	collected november
5	<i>Desmocladius parthenicus</i>	SE	MAL	y	?myriocladus
5	<i>Schoenus curvifolius</i>	SE	F		
5	<i>Schoenus</i> sp.A3 Ciliate Sheaths(K.R.Newbey 9402)	SE	MAL	y,y2	and or sch laevigatus
5	<i>Caladenia flava flava</i>	H	F		no flrs
5	<i>Drosera pallida</i>	H	F		round peltate lamina, wh flrs
5	<i>Stylidium repens</i>	H	MAL	y	stylidium

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DN SITE NUMBER 10
 DATE TRIP 15-10-00 RECORDERS NG/DM/AW
 DATE TRIP _____ RECORDERS _____
 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.



see Novins map

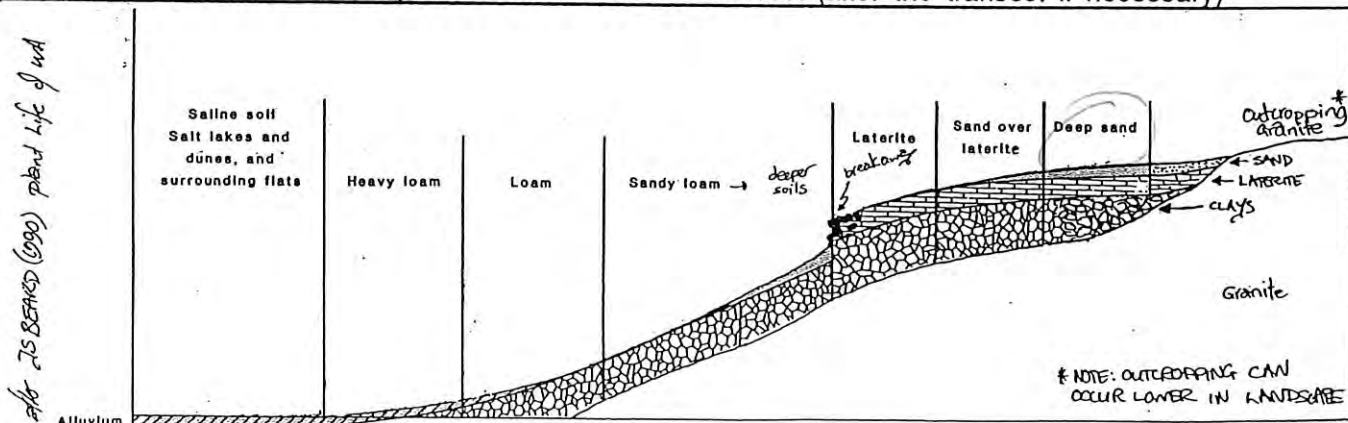
Road Location COOROS - GREEN HEAD

Geographic Location Latitude _____ S Longitude _____ E Altitude _____

Reference Map _____

Photograph _____ Photographer's Name NS 25 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	<u>gentle</u>	steep	Aspect	N	<u>NE</u>	E	SE	S	SW	W	NW	
Surface Soil	<u>grey sand deep</u>						Colour						
Exposed rock	type						% surface						
Sub-surface Soil	<u>grey sand deep</u>						Colour						
Rock	type <u>laterite at depth</u>						depth to rock						
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet	all year	winter/spring					
Litter	<u>40</u>	% cover		Bare Ground	<u>10</u>	% cover							
	Depth <u>21</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						30m	10m
COVER CLASS (%)						2-10	
DOMINANT SPECIES						Eucalypt	
SHRUBS					SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)				30-70			
DOMINANT SPECIES				MIXED			
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)			2-10				
DOMINANT SPECIES			Mes. Selagin				

4. VEGETATION CONDITION

Comments

Good soil =
above ground pit

Shire of Coorow.

Unallocated crown land (Big Soak Plain)

S of Coorow - Greenhead Road, 5.4 k W of Chatfield - Clarke Rd, 30m S of firebreak (SE of gravel pit).

SITE: WMA49

FORM ID SPECIMEN FIELD DESC

Revisit 7/10/2000. Observers NS/Bell

in ☒ Eucalyptus tottiana	T	F	
in ☒ Acacia barbinervis borealis	SH	F	see wma48 wooly ssinuous leaf ?pea
in ☒ Acacia pulchella goadbyi	SH	MAL	y ac. pulch flat leaf coll nov99
in ☒ Allocasuarina humilis	SH	F	
in ☒ Astroloma xerophyllum	SH	F	
in ☒ Baeckea grandiflora <i>grandis</i>	SH	LWS	y tiny leaves, dark ppink flrs
in ☒ Banksia candolleana	SH	F	
in ☒ Banksia chamaephyton	SH	F	banksia like gardneri
in ☒ Banksia incana	SH	MAL	y coll nov 1999, and wma48
in ☒ Boronia ramosa ramosa	SH	MAL	y
in ☒ Calytrix flavescens	SH	MAL	y
in ☒ Calothamnus hirsutus	SH		y hairy leaves and frt
in ☒ Calothamnus sanguineus	SH	LWS	y
in ☒ Chorizema aciculare laxum	SH	F	?hovea stricta as per specin wma48
in ☒ Conospermum boreale boreale	SH	LWS	y like triplinervum, 1m, lvs at top
in ☒ Conostephium pendulum	SH		y
in ☒ Corynanthera flava	SH	F	
in ☒ Dampiera spicigera	SH	LWS	y grey buds
in ☒ Darwinia speciosa	SH	LWS	y
in ☒ Dasypogon obliquifolius	SH	y	collected nov99
in ☒ Dryandra platycarpa	SH	MAL	y columnar dryandra
in ☒ Dryandra shuttleworthiana	SH	MAL	y
in ☒ Dryandra subulata	SH	F	terete long leaves, basal flrs
in ☒ Eremaea asterocarpa asterocarpa	SH	LWS	y
in ☒ Eremaea pauciflora pauciflora	SH	LWS	y
in ☒ Hakea eneabba	SH	LWS	y
in ☒ Hakea flabellifolia	SH	MAL	y
in ☒ Hibbertia acerosa	SH	LWS	y hibbertia blue ?acerosa
in ☒ Hibbertia crassifolia	SH	F	
in ☒ Hibbertia desmophylla	SH		y Hibbertia big fleshy leaves check spec
in ☒ Hibbertia hypericoides	SH	LWS?	y
in ☒ Hypocalymma linifolium	SH	LWS	y narrow glabr leaves, yellow fir, hypocal
in ☒ Indet	SH		y leucopogon semi hairy
in ☒ Isopogon sp. Watheroo (D. Foreman 477)	SH	F	isopogon aff axillaris
in ☒ Jacksonia floribunda	SH	F	see wma48
in ☒ Jacksonia lehmannii	SH	MAL	y see WMA48, collected nov99
in ☒ Lambertia multiflora multiflora	SH	F	see wma48
in ☒ Leptospermum spinescens	SH	F	
in ☒ Leucopogon conostephioides	SH		y leucopogon glab lvs, tiny buds
in ☒ Leucopogon oldfieldii	SH	LWS	y leucopogon hairy grey
in ☒ Melaleuca carrii	SH	MAL?	y melaleuca glabrous semiterete lvs

*Stylidium aff. repens.**Dryandra sp. cyphalobea (usp)**Dryandra sp. 5**Stylidium 1.3 fls**? Dryandra sp. 2 = Baeckea grandis.**Dryandra sp. (sterile)**Hibbertia sp. 5**✓ Leucopogon / *peruvii* Mat long thick edges**✓ Boronia purdiana**✓ Stylidium crassicephalum.**✓ Dryandra stolonifera.*

Shire of Coorow.

Unallocated crown land (Big Soak Plain)

S of Coorow - Greenhead Road, 5.4 k W of Chatfield - Clarke Rd, 30m S of firebreak (SE of gravel pit).

SITE: WMA49

FORM ID SPECIMEN FIELD DESC

Revisit 1/10/2000. Observers NS/DW/AW

in Melaleuca trichophylla	SH ?	y	melaleuca ?holosericea hairy
in Petrophile brevifolia	SH F		bracts not reflex, flrs yel see wma48
in Petrophile macrostachya	SH LWS	y	
in Petrophile serruriae	SH		petrophile fern leaf see wma48
in Philotheca spicata	SH LWS	y	
in Pimelea sulphurea	SH LWS	y	
in Synaphea spinulosa spinulosa	SH MAL	y	see WMA48, collected nov99
in Verticordia grandis	SH F	y	
in Verticordia oculata	SH LWS	y	veticordia white pink flrs
in Alexgeorgea nitens	SE MAL	y	
in Catacolea enodis	SE F		per WMA48 gold fir heads droop
in Catacolea enodis	SE		leptocarpus tassle/droopy see wma48
in Caustis gigas	SE F		restio grandis per WMA48
in Chordifex sinuosus	SE		restio brown nuts
in Desmocladius parthenicus	SE ?	y	loxoc fascic (desvir or despar)
in Desmocladius semiplanus	SE F		see WMA48
in Lomandra hermaphrodita	SE	y	twisted lvs
in Mesomelaena pseudostygia	SE F		
in Mesomelaena tetragona	SE F		
in Schoenus insolitus	SE F		see WMA48
in Schoenus subflavus	SE	y	
in Anigozanthos humilis humilis	H		
in Cassytha pomiformis	H	y	cassytha hairy pink to green
in Conostylis teretiuscula	H	y	
in Drosera erythrorhiza	H		
in Drosera pallida	H LWS	y	
in Drosera stolonifera porrecta	H LWS	y	single stem drosera stolonifera
in Indet	H	y	40cm fir stalk
in Stylidium junceum junceum	H MAL	y	coll nov 1999
in Stylidium nonscandens	H MAL	Y	4whorls of narrow leaves, pink flrs
in Stylidium piliferum	H LWS?	Y	stylidium bunonianum/piliferum
in Stylidium repens	H MAL	y	
in Thysanotus patersonii	H	y	?
in Amphipogon turbinatus	G MAL	y	
5 Adenanthos cygnorum cygnorum	SH F		
5 Andersonia heterophylla	SH LWS	y	green plant, white flrs
5 Bossiaea eriocarpa	SH MAL	y	
5 Conostylis candicans candicans	SH MAL	y	coll nov 99
5 Daviesia quadrilatera	SH LWS	y	
5 Dryandra stenoprion	SH F		
5 Hakea psilorrhyncha	SH F		

WMA49 22/09/1999 23/11/1999

Faunacode: DN10

zone 50 AMG_E:

362090

AMG_N: 6672371

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Shire of Coorow.

Unallocated crown land (Big Soak Plain)

S of Coorow - Greenhead Road, 5.4 k W of Chatfield - Clarke Rd, 30m S of firebreak (SE of gravel pit).

SITE: WMA49

FORM ID SPECIMEN FIELD DESC

Revisit /10/2000. Observers

5	Hibbertia subvaginata	SH	F		
5	Indet	SH		eremaea ?pauc big frt	
5	Isopogon linearis	SH	LWS	y	furry globe cone
5	Lachnostachys ferruginea	SH	LWS	y	
5	Lomandra hastilis	SH	F		
5	Stachystemon axillaris	SH	MAL	y	soft lvs flattened fruit,
5	Stirlingia latifolia	SH	F		
5	Lyginia imberbis	SE	F		
5	Conostylis juncea	H	F		conost ?junc?aurea basal flrs see wma48
5	Dampiera carinata	H	LWS	y	coll nov 1999, LWSage 2352
5	Goodenia caerulea	H	LWS	y	coll nov 1999
5	Thelymitra campanulata	H	F		lf 32 cm, flr stem 50 cm.

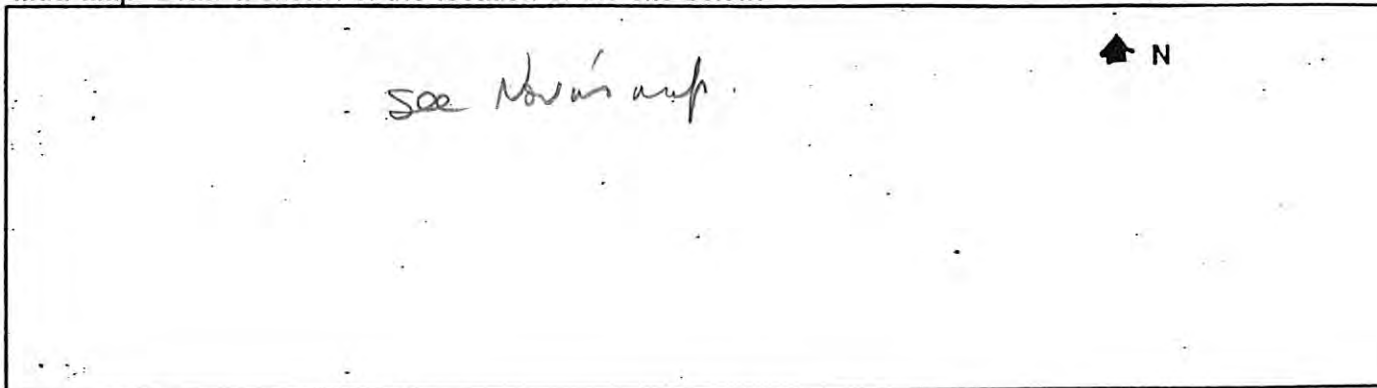
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DN SITE NUMBER 11
 DATE TRIP 19-10-00 RECORDERS NG/BM/AW
 DATE TRIP _____ RECORDERS _____
 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.

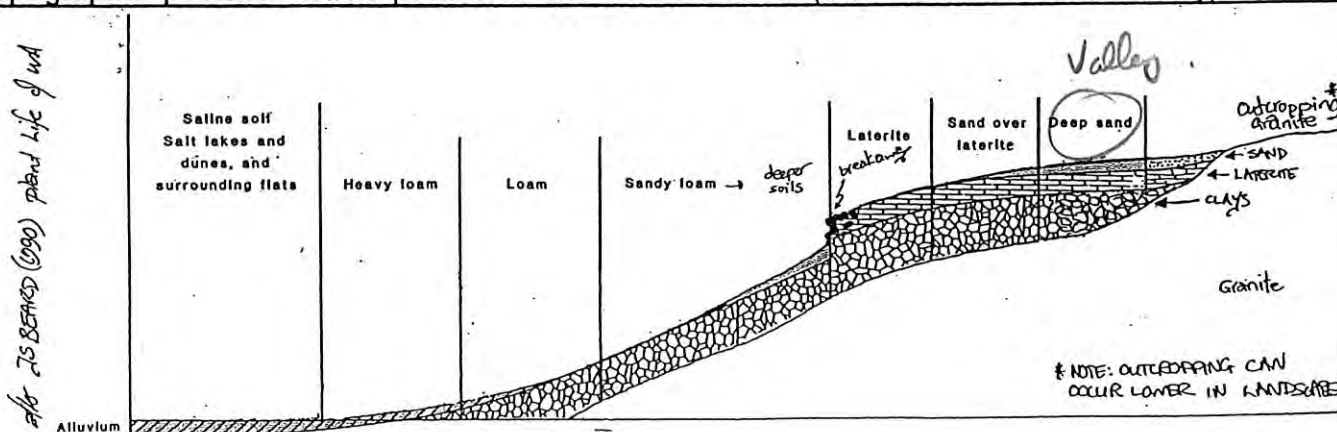


Road Location WATKINS RD. Nth Boundary. Alex road in

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

Photograph Photographer's Name NG 26 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 deep sand Wam Colour _____
 Exposed rock type _____ % surface _____

Sub-surface Soil deep sand Wam Colour _____
 Rock type _____ depth to rock _____

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

Litter 10 % cover _____ Bare Ground 10 % cover _____
 Depth 4 cm

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 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)							
DOMINANT SPECIES							

SHRUBS					SHRUBS
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10			30-70	
DOMINANT SPECIES	<i>Halcon sp</i>			<i>M. v. v.</i> <i>PROSTRATUS</i>	

GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)					2-10
DOMINANT SPECIES					<i>M. v. v.</i>

4. VEGETATION CONDITION

Comments

good

Shire of Coorow. Alexander Morrison National Park (north western block, E of NW cnr.)

Northern boundary, 800m E of firebreak NW cnr, on second firebreak 20m S of the firebreak.

SITE: WMA33

FORM ID SPECIMEN FIELD DESC

Revisit 11/10/2000. Observers NG/BM/AM

In Banksia incana	SH			bank short lv ?sph
In Banksia leptophylla	SH	EAG,H	Y	bank sphaero big fruit
In Beaufortia elegans	SH	EAG	Y	Beauf small leaf eleg
In Calytrix flavescens	SH	EAG,H	Y	
In Conostephium pendulum	SH		Y	Big grey fat lvs
In Dampiera spicigera	SH			
In Daviesia nudiflora	SH	EAG	Y	
In Daviesia podophylla	SH			
In Dryandra cataglypta	SH		Y	DRY NIV REVOLUTE LF
In Dryandra lindleyana	SH	EAG	Y	D fine fishbone nivea like
In Dryandra platycarpa	SH	EAG	Y	d tortifolia fishbone
In Dryandra shuttleworthiana	SH			
In Dryandra subulata	SH	JMH		DRY SUPULATA
In Eremaea asterocarpa histoclada	SH	H	Y	MELALEUCA FLATTISH LVS
In Eremaea pauciflora pauciflora	SH	H	Y	orange fir small typical frt
In Eremaea violacea violacea	SH	EAG,H	Y	
In Hakea eneabba	SH	F		hakea corymbosa now eneabba MS
In Hakea psilorrhyncha	SH			
In Hemiantra pungens	SH	?	Y	lvs no match for venation of gard or rub
In Hibbertia acerosa	SH			
In Hibbertia crassifolia	SH	EAG	Y	hairy inrolled margin of leaf
In Indet	SH		Y	Leucopogon small erect lvs
In Isopogon sp. aff. axillaris	SH			ISO AFF AXILL
In Jacksonia floribunda	SH	EAG	Y	
In Lambertia multiflora	SH	EAG	Y	
In Leptospermum spinescens	SH			
In Leucopogon conostephioides	SH	EAG	Y	
In Melaleuca acerosa	SH	EAG	Y	
In Monotaxis grandiflora	SH			
In Petrophile drummondii	SH			
In Petrophile shuttleworthiana	SH	F		
In Synaphea spinulosa spinulosa	SH	EAG,R	185	RB Ryonen Butcher, sessile flrs up stems
In Verticordia densiflora	SH	EAG	Y	IN BUD
In Chordifex sinuosus	SE	H	Y	restio spike, recoll 27/09/99
In Desmodius semiplanus	SE	H	Y	loxo flat
In Lepidobolus chaetocephalus	SE			
In Mesomelaena pseudostygia	SE			
In Mesomelaena tetragona	SE	F		
In Schoenus pleiostemoneus	SE	H	Y	
In Cassytha glabella	H	EAG	Y	
In Conostylis candicans	H			

~~Cassytha~~
Isopogon sp. Western = DWPB
✓ Darwinia sp.
✓ Schoenus griffithii
✓ Allocasuarina humilis
Melaleuca sp. tuberculata
✓ Styliadion DWPB
✓ Lepidobolus chaetocephalus
✓ Petrophile sp 3 brevifolia
✓ Dryandra ~~sp~~ sp 6 Cyphosteleum (VSP)
✓ Conostylis teretifolia
✓ Monotaxis occidentalis
✓ Logania sphaerocarpa
✓ Schoenus incolitus (VSP)
✓ Schoenus ? brevisetis
✓ Cassytha paniculata

Shire of Coorow. Alexander Morrison National Park (north western block, E of NW cnr.)

Northern boundary, 800m E of firebreak NW cnr, on second firebreak 20m S of the firebreak.

SITE: WMA33		FORM	ID	SPECIMEN	FIELD DESC	Revisit	Observers
In	Conostylis crassinervia absens			H	conostylis bristly		
In	Dampiera linearis		EAG	Y	damp entire lvs green up stem		
In	Dampiera spicigera			H			
In	Drosera erythrorhiza			H			
In	Lomandra hermaphrodita		EAG,H	Y	glaucus, curling tips of old lvs		
In	Stylidium crossocephalum			H			
In	Thysanotus dichotomus			H			
In	Thysanotus multiflorus			H	thysanotus many teret lvs		
In	Thysanotus patersonii			H			
In	Thysanotus patersonii			H			
In	Amphipogon strictus			G			

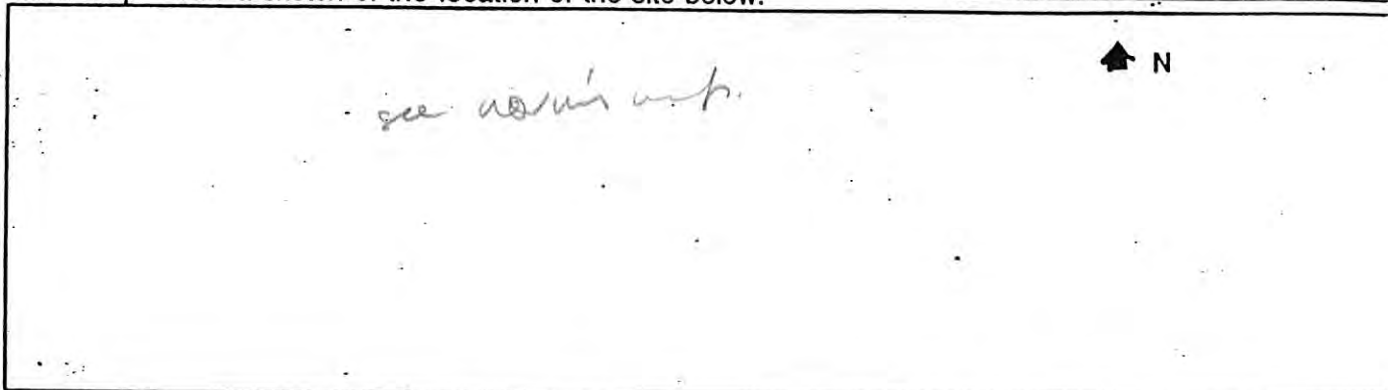
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DW SITE NUMBER 12
 DATE TRIP 19-10-00 RECORDERS NS/SM/AN
 DATE TRIP _____ RECORDERS _____
 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.

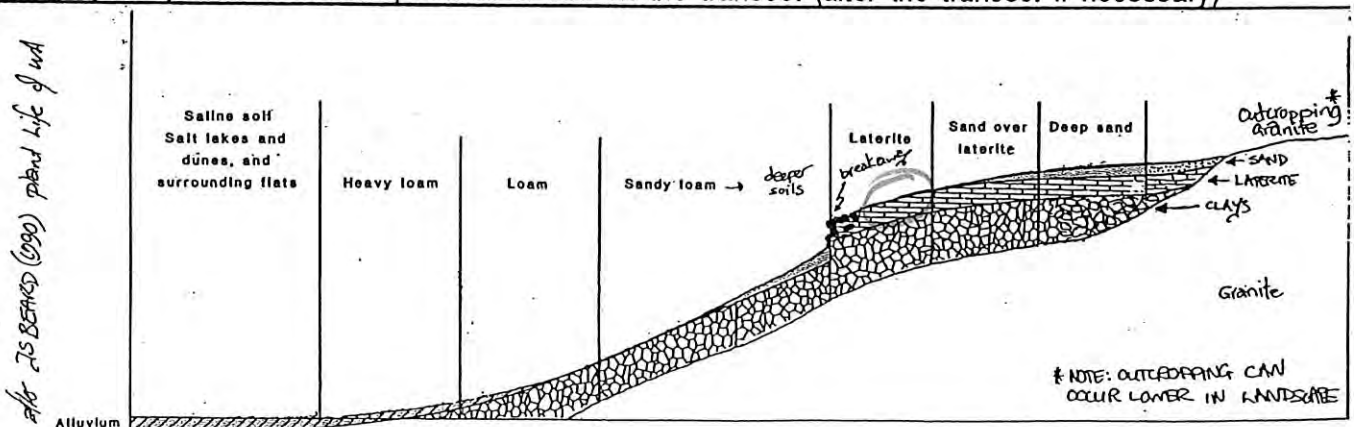


Road Location NK boundary WATKINS RD ALEX MARR NP

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

Photograph Photographer's Name NS 22 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	<u>gentle</u>	steep	Aspect	<u>N</u>	<u>NE</u>	E	SE	S	SW	W	NW	
Surface Soil	<u>deep grey sand</u>						Colour						
Exposed rock	<u>type</u>						% surface						
Sub-surface Soil	<u>laterite at depth</u>						Colour						
Rock	<u>type</u>						depth to rock <u>10</u>						
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet	all year	winter/spring					
Litter	<u>40</u>	% cover			Bare Ground	<u>10</u>	% cover						
Depth	<u>5</u>	cm											

Shire of Coorow.

Alexander Morrison National Park (north western block, E of NW cnr.)

Northern boundary, 1.8km E 800m E of firebrk NW cnr, on second firebreak 20m S, on second firebreak 15m S of the firebreak.

SITE: WMA34

FORM ID SPECIMEN FIELD DESC

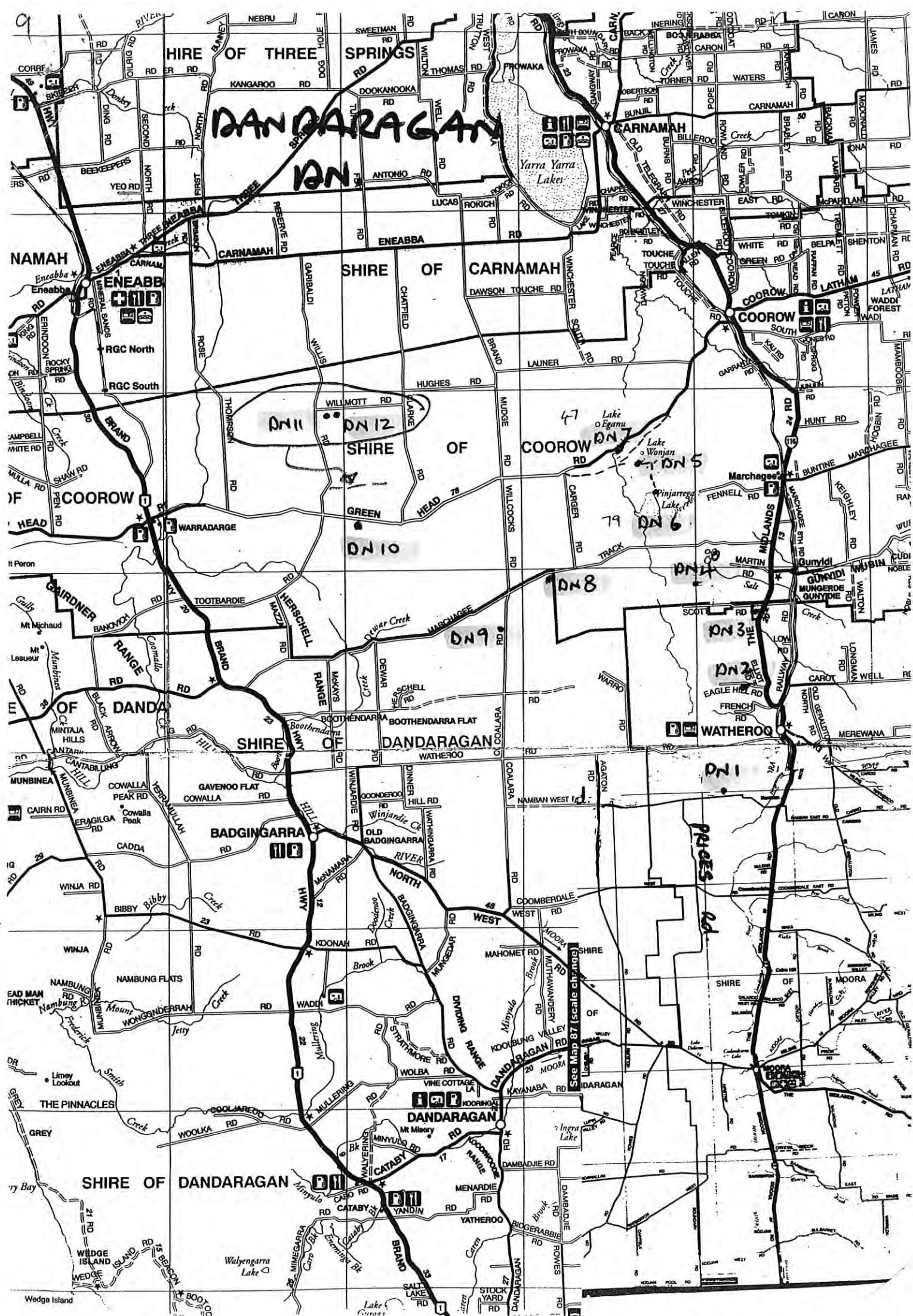
Revisit 19/10/2000. Observers

M/DM/AW

In ✓ Acacia barbinervis	SH	EAG	Y	tangled bush, scabrid grooved lvs
In ✓ Allocasuarina humilis	SH	F		
In ✓ Allocasuarina microstachya	SH	EAG,H	Y	
In ✓ Baeckea grandiflora	SH			
In ✓ Banksia candolleana	SH			
In ✓ Banksia incana	SH	MAL	Y	in bud yellow new growth
In ✓ Banksia leptophylla	SH	MAL	Y	BANKSIA sphaero media
In ✓ Beaufortia bicolor	SH	EAG	Y	
In ✓ Beaufortia elegans	SH		Y	Check id ele or mic
In ✓ Calothamnus sanguineus	SH			
In ✓ Daviesia daphnoides	SH	EAG	Y	
In ✓ Daviesia incrassata teres	SH		Y	added to sheet phyllodes terete
In ✓ Daviesia pedunculata	SH	EAG	Y	
In ✓ Dryandra carlinoides	SH	F		seedlings
In ✓ Dryandra catoglypta	SH	H	Y	DRY ?pteridifolia var vernalis
In ✓ Dryandra glauca	SH			
In ✓ Dryandra nivea	SH	EAG	Y	revolute lvs big inrolled lvs
In ✓ Dryandra sessilis flabellifolia	SH	EAG	Y	
In ✓ Dryandra shuttleworthiana	SH			
In ✓ Dryandra speciosa macrocarpa	SH			
In ✓ Dryandra subulata	SH	JMH		
In ✓ Eremaea pauciflora	SH	H	Y	added to sheet
In ✓ Eremaea pauciflora	SH		Y	Eremaea smooth frt slight flat lvs
In ✓ Hakea flabellifolia	SH	EAG	Y	
In ✓ Hakea gilbertii	SH	F		
In ✓ Hakea incrassata	SH	F		
In ✓ Hakea lissocarpa	SH			
In ✓ Hakea psilorrhyncha	SH			
In ✓ Hibbertia acerosa	SH			
In ✓ Hibbertia crassifolia	SH	H	Y	added or is it big shiny leaf?
In ✓ Hibbertia hypericoides	SH	EAG	Y	grey leaf, scabrid
In ✓ Hibbertia hypericoides	SH		Y	big flat glossy lvs, Hibbertia
In Indet	SH		Y	euphorbiaceae, red buds (?stachyst axil)
In Indet	SH		Y	leucop med lvs,
In Isopogon adenanthoides	SH		Y	isopog "calothamnoides"
In Jacksonia lehmannii	SH	EAG	Y	std, wgs orng, keel red, refx clx, striat
In ✓ Lambertia multiflora	SH	EAG	Y	
In ✓ Leptospermum erubescens	SH	F		
In ✓ Leptospermum spinescens	SH			
In ✓ Melaleuca acerosa	SH	EAG	Y	
In ✓ Melaleuca trichophylla	SH	EAG	Y	

*Schoenus? morrisii**Ulex holosericeus**Ulex**Tetradlea**Schoenus**Schoenus griffithsii**Cynanthera ciliaris**Dryandra cyphotoba**Schoenus curviflorus**20x20 same*

WMA34	21/10/1998	27/09/1999	Faunacode: DN12	zone 50 AMG_E:	361483	AMG_N:	6676978	Page 6 of 35
Shire of Coorow. Alexander Morrison National Park (north western block, E of NW cnr.)								
Northern boundary, 1.8km E 800m E of firebrk NW cnr, on second firebreak 20m S, on second firebreak 15m S of the firebreak.								
SITE:	WMA34	FORM ID	SPECIMEN	FIELD DESC	Revisit /10/2000. Observers			
In ☒ Petrophile megalostegia		SH						
In ☒ Pimelea suaveolens suaveolens		SH	H	Y	specimen labelled as wm35 but not			
In ☒ Synaphea spinulosa spinulosa		SH						
In ☒ Verticordia densiflora		SH	y	Y	small crowded lvs			
In ☒ Verticordia laciniata		SH	H	Y	big yellow buds			
In ☒ Alexgeorgea nitens		SE			alexgeorgia			
In ☒ Caustis dioica		SE			caustis			
In ☒ Cyathochaeta avenacea		SE		Y				
In ☒ Desmocladius elongatus		SE	H	Y	loxo elong			
In ☒ Desmocladius semiplanus		SE	H	Y	loxocarya flat hairy			
In ☒ Mesomelaena pseudostygia		SE						
In ☒ Schoenus pleiostemoneus		SE		Y	schoenus fine shiny brn bases			
In ☒ Schoenus subflavus		SE						
In ☒ Stachystemon axillaris		SE	H	Y				
In ☒ Caesia micrantha		H	H	Y	small white, fring calyx			
In ☒ Cassytha glabella		H	EAG	Y				
In ☒ Cassytha pomiformis		H	EAG	Y				
In ☒ Conostylis candicans		H		Y				
In ☒ Dampiera juncea		H	H	Y	dampiera striate stem felty lvs			
In ☒ Dampiera spicigera		H						
In ☒ Drosera erythrorhiza		H						
In ☒ Drosera neesii borealis		H	LWS	Y	dros small climb ?gold, 3 lvs per node			
In ☒ Drosera stolonifera stolonifera		H						
In ☒ Elythranthera brunonis		H	F,H	Y	hairy red backed leaf			
In ☒ Indet		H			prasophyllum tall teret lf 60 cm			
In ☒ Isotoma hypocrateriformis		H	F					
In ☒ Lomandra sericea		H	EAG	Y	small felty base			
In ☒ Opercularia vaginata		H	F,MAL	Y				
In ☒ Stylidium adpressum patens		H	F,H	Y	long rep lf >1cm, spreading lvs (=patens)			
In ☒ Stylidium crossoccephalum		H						
In ☒ Amphipogon strictus		G						
In ☒ Neurachne alopecuroides		G	F					



Namban NR

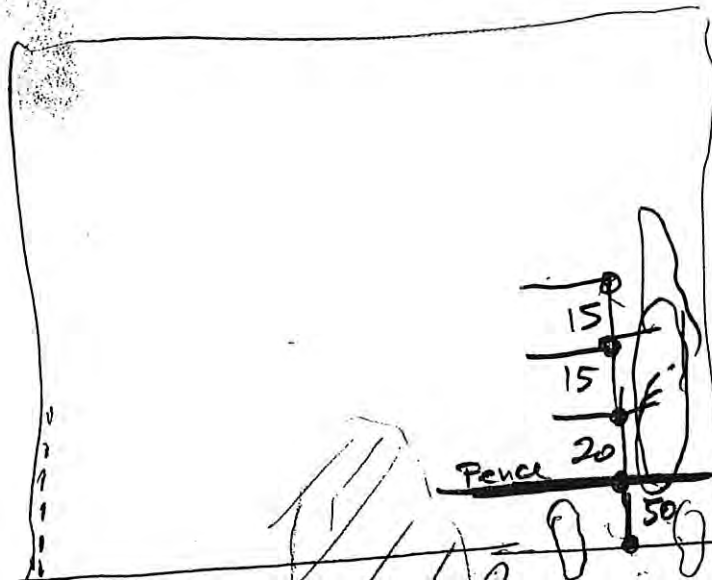
⑧



$30^{\circ} 22' 32''$
 $115^{\circ} 59' 07''$

$30^{\circ} 22' 16.9''$
 $115^{\circ} 59' 11.8''$

Map 2.5 2D



Namban West Rd

1.5 km

6.2

Inter-plate rise Care over obera patches
(? salt affected) over Melaleuca shrubs
Sedges + Grass etc
(Plectranthus)

Grey sand 10-50 cm
over clay

DND

DONDARAGAN $\frac{2}{1}$ S. A. N. A. K. A.

Watheroo N.P.

Jingemica Hill.
(a Chert Hill)

Loamy sand - Sandy loam - chert gravel

①

Carpurus campestris scrub to 2m

Hakea, *Verticordia*

Metaleuca

Asteria verticillata

Glischrocaryon

Edeia ~~*Bolia*~~

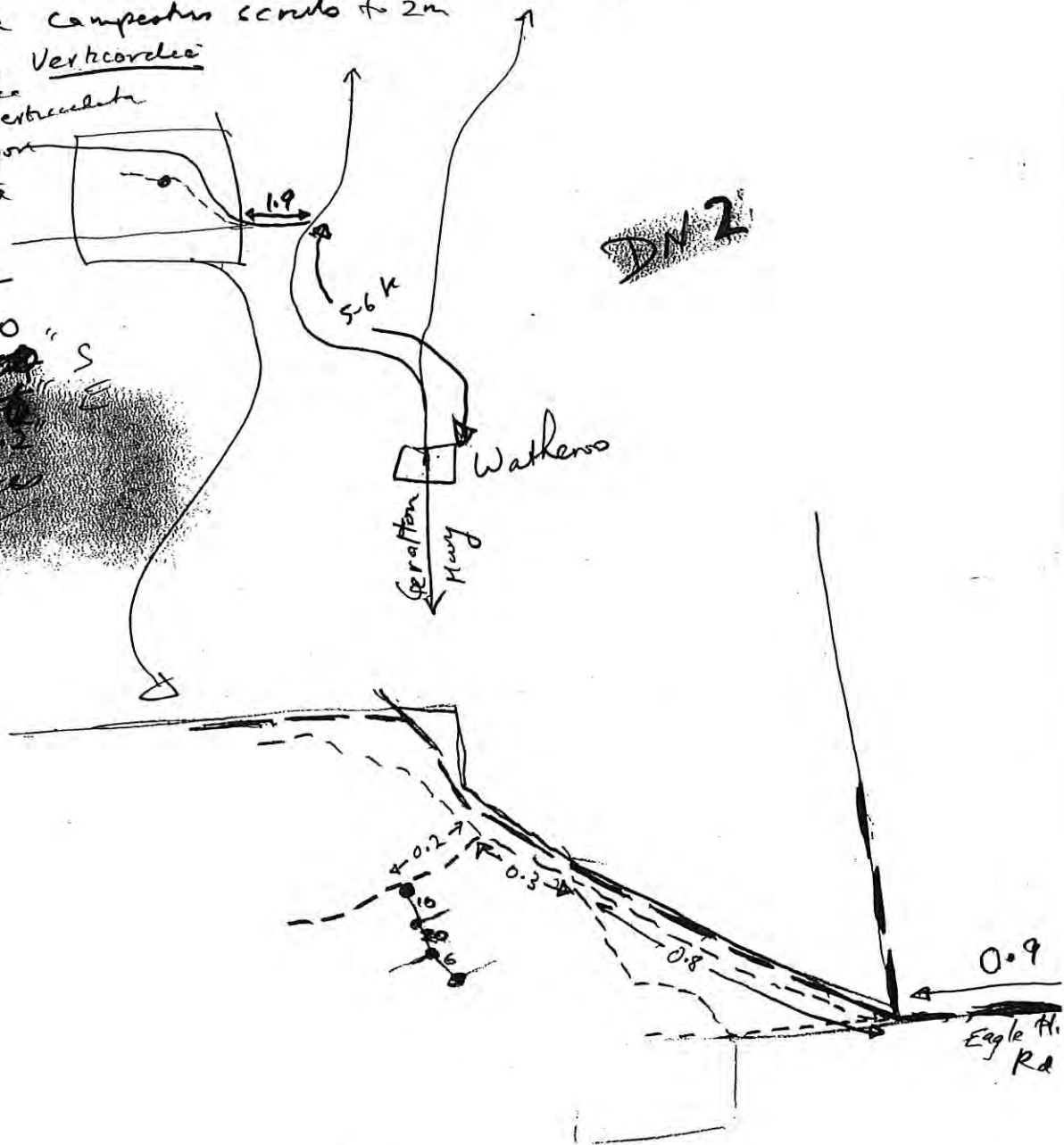
Borhia

Stylidium

15
30° 15.502
116° 1.135 E

30° 15 21.0 " S
116° 01 " E

6 satellite
20



②

Deep Yellow Sand

Arawarra Rd

Banksia prostrata
Euc pyriformis mallee
Actinostrobilus *Casuarina campestris*
Grevillea erostachys



Xylomelasma

Gungahlin NR

Mudlands Rd

Chert
L.H.

Arawarra Rd

Eagle Hill Rd

30° 11' 3"
30° 11' 09.6"
116° 01' 51.3"
5' 116° 1.8"

DN3

7.3

Private Property. (Bentonite lake
- mined).
Bill Scott

ph 96517061. FAX 96517004



Brown sandy-loam to 15cm
over clay

York Gum
Broom bush

$30^{\circ} 09' 28'' S$

$115^{\circ} 57' 642'' E$

→ N

North/south First firebreak

$30^{\circ} 9' 16.8''$

$115^{\circ} 57' 38.5''$

Second firebreak

25m Fence dropper
man/cov

approx
100m
From gate

WMA80

DN 4

on fence line

770m.

Fenced
alley

2nd

400m

approx
slide
paved

1km

900m

25

6.25km

Scott Rd

DN 4

Clayville
NR

→ Z

MIDLANDS RD

... open land
 Melaleuca shrubland to 2.5m c 5m
 30° 00' 31.7" S
 115° 53' 15.6" E
 PDOP 2.6 4 sub
 WMA 47

... + emergent
 Casuarina



COOROW

MIDLANDS RD.

COOROW - GREENHEAD RD
 7.2
 7.3
 13.25
 7.5m (old track)
 WMA 75

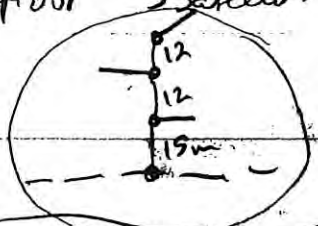
WMA 75
 DN 5
 (1.1km BB)

Pinjarra Nature Reserve

Banksia prostrata +
 Actinostrobilus arvensis to 4m
 over Myrtaceae shrubs to 1.5m
 on cream sand dune field
 (subdried)

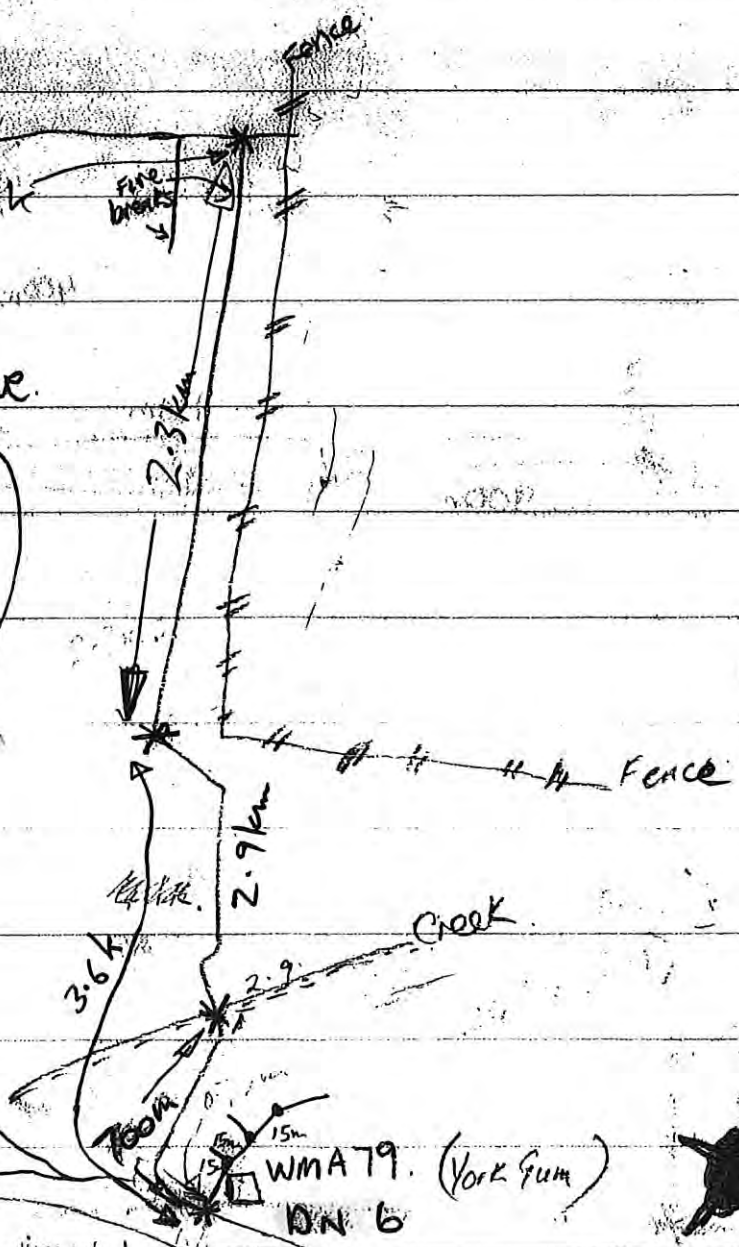
30° 00' 06.1" S
 115° 54' 14" E } 30° 0' 36.6" S
 115° 54' 08.4" E

PDOP 5 sub



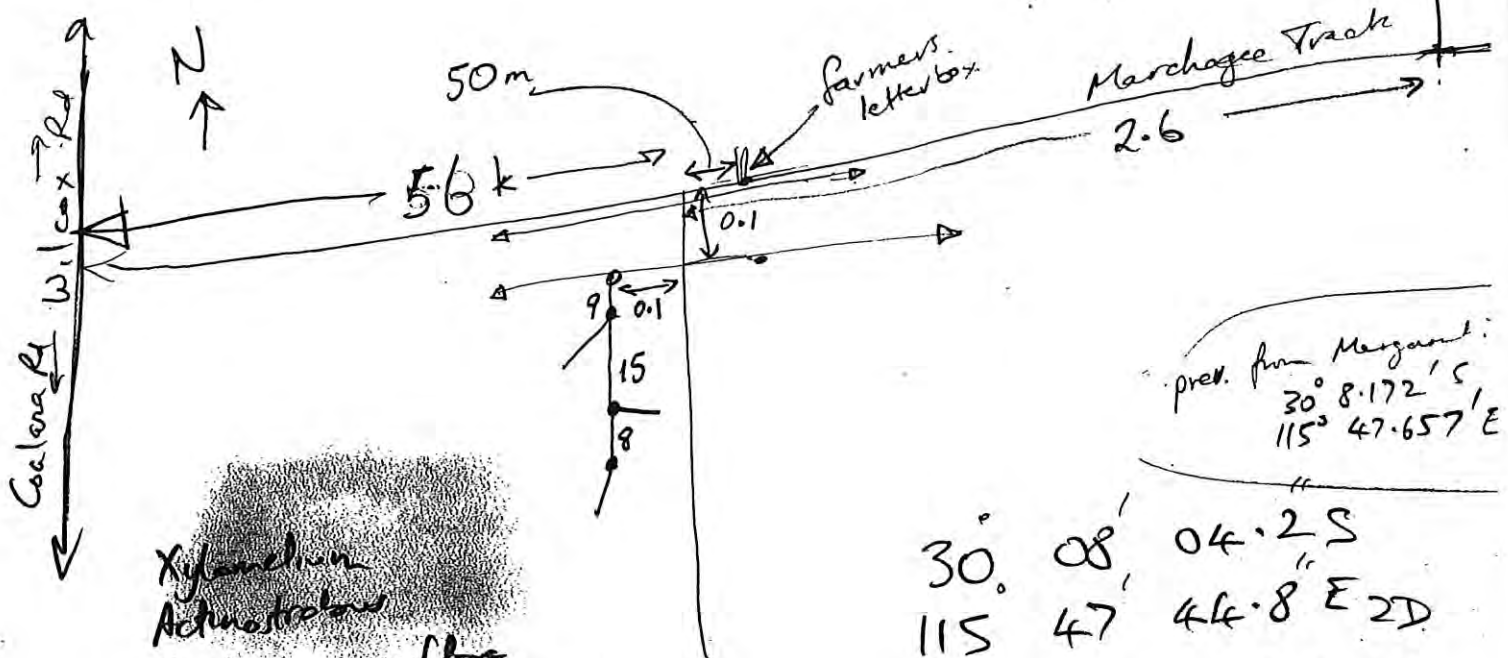
Valley floor
 York Gum wood
 30° 03' E
 115° 55' E
 5 sub
 9 = PDOP
 Grey clay + sandy surface (shallow)

Lake



⑥ = WMA42

Watheroo NP Deep Yellow Sandplain



prev. from Margaret:
30° 8.172' S
115° 47.657' E

30° 08' 04.2 S
115° 47' 44.8 E 2D

HDOP = 2.3

4 sat

~~Shrubland~~ Shrubland — 1.5 km
emergent low trees

On old plateau surface
of Larina System Soil Landscape system

DN 8

WATHERO NP

(7)

N

Grey Sand (coarse)
over gravel + clay

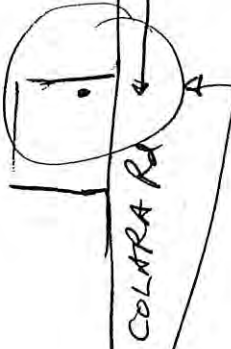
MARCHAGEE TRACK

WILSON RD

4 km

$30^{\circ} 11' 29.4'' S$
 $115^{\circ} 46' 05.5'' E$

$30^{\circ} 11' 49.5'' S$
 $115^{\circ} 44' 07.9'' E$



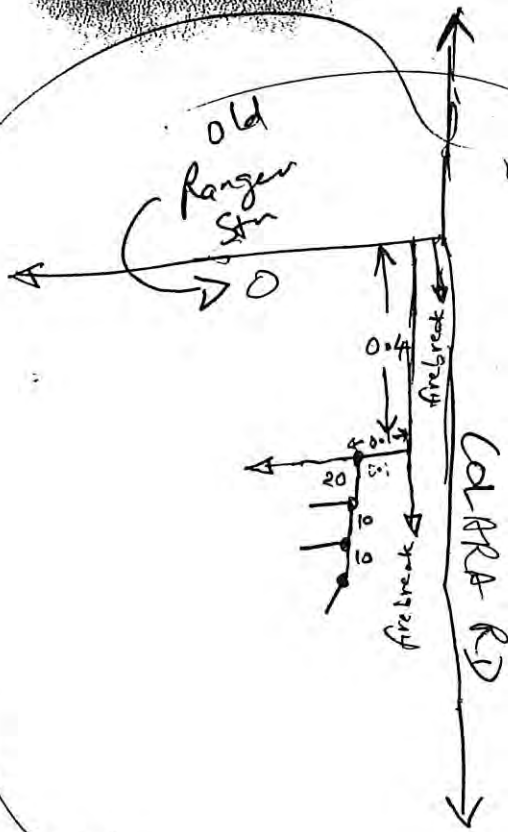
COLARA RD

Euc accedens Low
over shrubland
Dryandra sessilis
Thryptomene
Lomandra hastilis
Borreria ericarpa
Asteria
Hakea trifurcata

Dry

WATHERO NP

~~WATER~~



VCL Big Soak Plain
just S of Alexander Morrow NP.

(3)



Residual Plateau

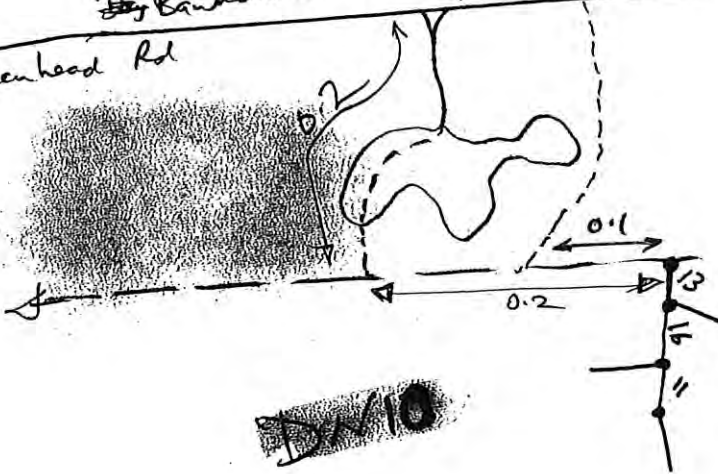
Grey sand ~~to~~ to 1m over laterite gravel + sheet

~~Mallee~~ Heath to 1.5m ± emergent stunted mallee

Lambertia multiflora, *Dryandra* spp., *Calothamnus*
Gossypia humilis, *Euc. tottriana*,
Adenanthos, *Pterophila*
~~Dryandra~~ *caudata*

5.4

Greenhead Rd



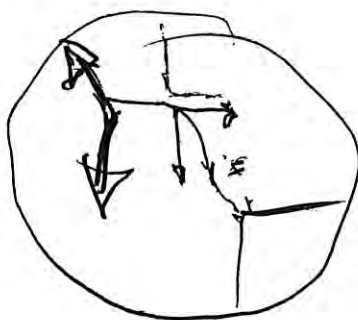
30° 04' 15.0" S
115° 34' 07.1" E
5 sat 2-D
HOOP 2.5

30° 4.28'
115° 34.14'



Alexander Morrison NP.

(4) + (5)



DN
H
Valley
Bottom

DN
12



Alexander Morrison NP.

Green Road Rd

← 4 →

per opposite a 'E tottiana'

DN
11

- Haakea psylorrhyncha*
- Dryandra*
- Banksia leptophylla*
- Isopogon aff. axillaris*
- Eremaea pauciflora*

shrubland
to 1.5m

30° 01' 46.7" S

115° 33' 17.5" E

30° 1.755' S

115° 33.310' E

creamy-yellow sandy valley floor = bleached surface sand
cutting into plateau

West Midlands Survey
WMA 34

DN
12

Dryandra glauca / *D. teretifolia*; *Carex* *humilis*, *D. carlinoides* Heath
to 1m

emergent patches of mallee
Grey sand over gravel (laterite)
on plateau

30° 01' 81" S

115° 33' 81" E

30° 01' 40.5" S

115° 33' 53.6" E

5 sat's
KDP 2.2
2D

Fields: left to right.

- inside (IN) or outside within x metres.
- name.
- form
- determined by (F is det in field)
- specimen collected last visit
- field description
-

Fauna sites Watheno area.
floristics 1999.

Fauna (Dandaragan) code	WMcode
	WMA18
	WMA35
	WMA39
	WMA41
	WMA45
	WMA48
	WMA50
	WMA51
	WMA54
DN01	WMA44
DN02	WMA52
DN03	WMA46
DN04	WMA80
DN05	WMA78
DN06	WMA79
DN07	WMA47
DN08	WMA42
DN09	WMA53
DN10	WMA49
DN11	WMA33
DN12	WMA34