QUADRAT DATA SHEETS

for the

BESSELL-BROWNE'S AND CROSSLEY'S PROPERTIES

NAB 01 – NAB 4
BOCK 01 – BOCK 4

CROS 01 – CROS 6

CARTMETICUP SUB - CATCHMENT

Shire of Woodanilling

Bushland Plant Survey Program
Wildflower Society of Western Australia (Inc.)
1997-98

NABØ1

NABALLING.

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA WENDY & PETER BESSELO-BROWNE **SITE NUMBER** =NABI. GNAN Ø1

DATE TRIP 4/10/97 **RECORDERS**

DATE TRIP **RECORDERS**

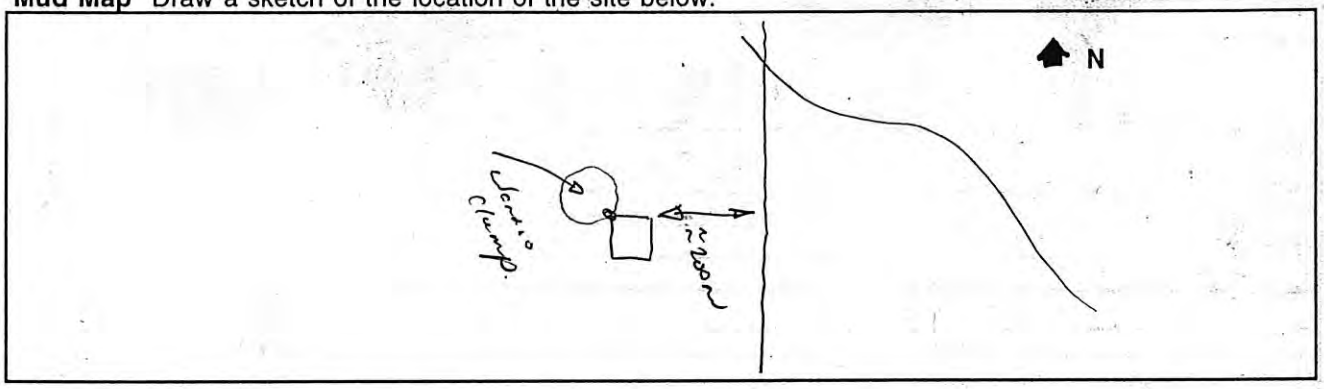
DATE TRIP **RECORDERS**

BOTANIST

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

1. LOCATION of the QUADRAT

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



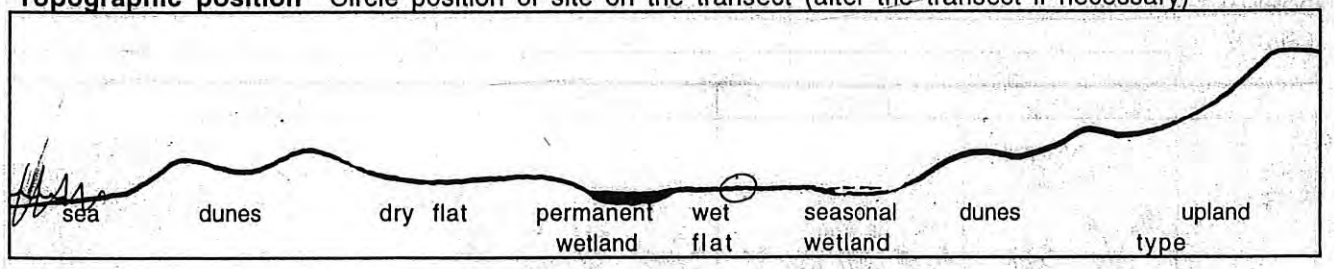
Road Location Lipsei Gully, btwn Suggs Rd + Derby Rd, north of Tie-Line Rd.

Geographic Location **Latitude** 33°28.18' S **Longitude** 117° 30.52' E **Altitude** 280m

Reference Map 33° 28' 10.8" 117° 30' 31.2" ±

Photograph Photographer's Name BJK 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 ***Colour*** brown

Exposed rock ***type*** % surface

Sub-surface Soil sandy loam ***Colour*** yellow

Rock ***type*** depth to rock

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

Litter	80 % cover	***Bare Ground***	<5% %cover
Depth	0.5 cm		

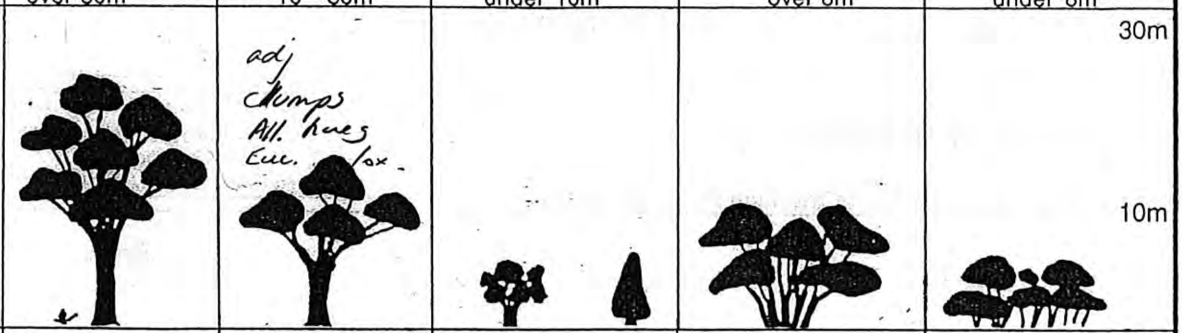
BUSHLAND PLANT SURVEY RECORDING SHEET 2 - use pencil only

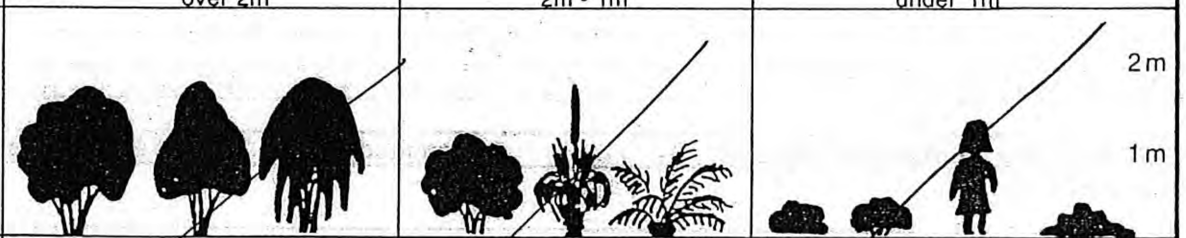
From '*Bushland Plant Survey*' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 64 Nedlands WA 6008.

3. VEGETATION STRUCTURE AND COVER

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

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

	TREES			MALLEES	
	over 30m	10 - 30m	under 10m	over 8m	under 8m
LIFE FORM	 adj clumps All. trees Euc. /ox.				30m / 10m
COVER CLASS (%)		10-30%	adj 2-10%		
DOMINANT SPECIES		Euc. Wandoo	Acacia sp		

	SHRUBS		SHRUBS
	over 2m	2m - 1m	under 1m
LIFE FORM			2m / 1m
COVER CLASS (%)			
DOMINANT SPECIES			

	GRASSES	HERBS	SEDGES	OTHER
LIFE FORM				1m
COVER CLASS (%)	30-70%	30-70%	10-30%	
DOMINANT SPECIES	*Briza max	Borya sphaerocephala	Lepidobolis sp	
	Neur. a/o.	*Romulea rosea	~~Loxocarya~~ = Desmocladus asper	

4. VEGETATION CONDITION

		COMMENTS
1 'PRISTINE'		Grass layer impacted, by weeds, Herbs *Rom. rosea
2 EXCELLENT		
3 VERY GOOD	✓	
4 GOOD		
5 DEGRADED		

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No	GNAN 01
Date	4/10/97

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

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

TREES	No	Fl	ID	SHRUBS (cont.)	No	Fl	ID	HERBS (cont.)	No	Fl	ID
Eucalyptus wandoo (NS)	2		✓	GRASSES				Drosera glandulifera	24	✓	✓ AL
Acacia sp ?acuminata	1			Danthonia	41			Chamaescilla corymbosa var corymbosa	25	✓	✓
(spec missing)								Caesia alfordii	26		✓
								?Dichopogon capillipes	27	✓	✓
								*Ursinia anthemoides	28		✓
								Podolepis capillaris	29		✓
MALLEES								*Hypochaeris glabra	30		✓
								Prasophyllum sp. POOR SPEC.	31	✓	?
				~~GRASSES~~				Burchardia multiflora	32		✓
				Neurachne alopecuroidea	3		✓	Thysanotus ?patersonii ~~?manglesianus~~	33		✓
				* Briza maxima	4		✓	Gnephelium	34		✓ ?
~~SHRUBS~~ HERBS				Austrostipa semibarbata	5		✓	?Gonocarpus nodulosus	35		✓
?Levenhookia	37			Austrodanthonia setacea var breviseta	6		✓	* Oxalis glabra	36		✓
				Austrostipa trichophylla	7		✓	SEDGES			
				* Ehrharta longiflora	8	✓	✓	Lepidobolus preissianus	38		✓
ADJACENTS				* Avena barbata (Bearded Oat	9		✓	Desmocladus asper	39		NS ✓
Anigozanthus humilis		✓	✓	* Aira caryophyllea/cupaniana	10		✓	Aphelia brizula	40		✓
CALADENIA longicauda subsp. eminens		✓	✓					Schoenus subflavus.	42	✓	✓
RHODANTHE CITRINA		✓	✓	HERBS				Schoenus sesquispiculus	43	✓	✓
DAMPIERA LAVENDULACIS		✓	✓	* Parentucellia latifolia	10		✓	Lepidosperma costale	44		✓
LAGENIFERA HUEGELII		✓	✓	Borya sphaerocephala.	12	✓	✓				
HAEMODORUM simplex		✓	✓	Blennospora drummondii	13	✓	✓	Plus bag of Tinys (PTO)			
WHITE DAISY		✓	✓	* Romulea rosea	14		✓	≈ 10 = 5%			
* ARCTOTHECA CALENDULA		✓	✓	Prasophyllum gracile	15	✓	✓	Siloxerus multiflorus		✓	✓
DIANELLA revoluta var revoluta		✓	✓	Trachymene pilosa	16		✓				
HAKEA PROSTRATA			✓	Caladenia longicauda subsp. eminens	17	✓	✓				
ALLOCASUARINA HUEGELIANA		✓	✓	Caladenia falcata	18	✓	✓				
Thelymitra antennifera		✓	✓	Caladenia flava	19	✓	✓				
Prasophyllum aphocilum Det AB.		✓	✓	Waitzia acuminata var acuminata	20	✓	✓				
Gnephosis ~~tenuis~~ prob = 31 (no number)		✓	✓	Podolepis lessonii	21	✓	✓				
Brachyscome iberidifolia				Sowerbaea laxiflora	22	✓	✓				
				Drosera menziesii subsp menziesii	23	✓	✓				

PTO.

see separate sheet.

GNAN Ø1 cont.

Bag of tiny's.

✓45 Centrolepis. aristata Det GOK.

✓46 Stylidium calcaratum

✓47 Tribonanthes longipetala

✓48 ~~? Angianthus.~~ /Gnephosis drummondii ✓(GK)

✓49 Aphelia brizula.

✓50 Briza maxima N/S.

✓51 Podolepis capillaris (seedling).

✓52 Velleia cycnopotamica.

✓53 Centrolepis pilosa Det GOK.

✓54. Siloxerus multiflorus N/S. unnumbered spec in cellophane bag

✓55 Stylidium petiolare.

✓56 Schoenus nanus.

✓57 " varii cella Det GOK

✓58 Aphelia sp. aff cyperoides (put into WA coll" - very unusual - looked at by GOK).

✓59 Gnephosis tenuissima. Det GOK.

✓60 Wurmbea drummondii (P4.) Conf GOK.

✓61 * Vulpia myuros N/S.

✓62 Centrolepis caespitosa. (DRF)

63 Hyalosperma demissum.

=64 Stylidium obtusatum var rubicalyx.

✓65. Goodenia micrantha

✓66 Blennospora drummondii

NAB02

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA NABALLING WOODANILLING - Wendy Peter Bessell-Browne SITE NUMBER NAB 2

DATE TRIP 4/10/97 RECORDERS BRIAN MOYLE, DIANE & GARY MATTHEWS

DATE TRIP RECORDERS MARGARET PHILLIPS, ERIC CROSSLEY

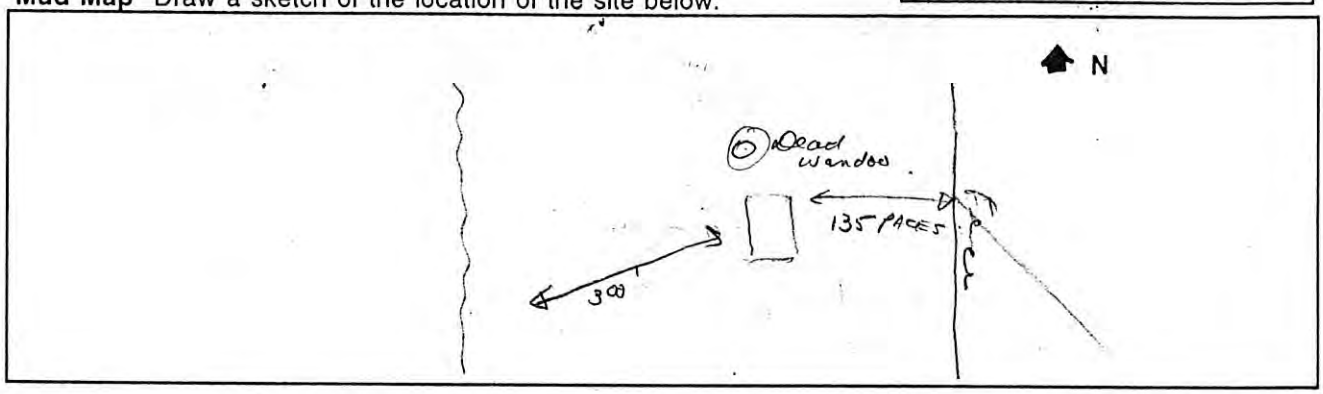
DATE TRIP RECORDERS

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.



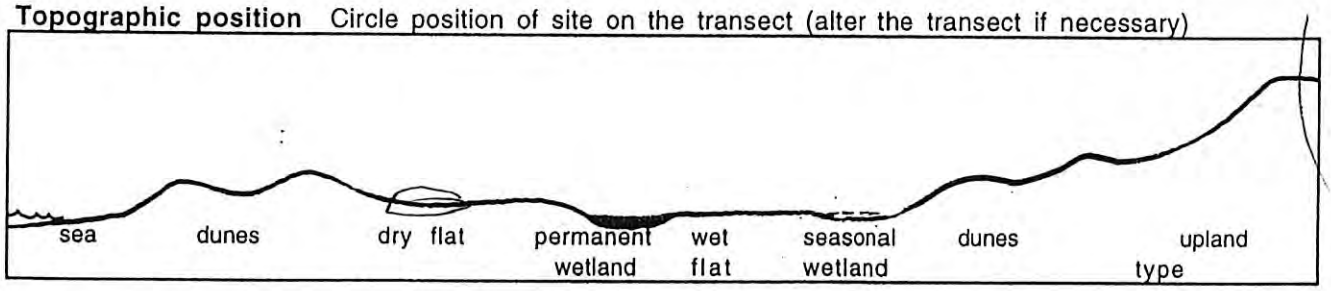
Road Location

Geographic Location **Latitude** 33°28min.196 S **Longitude** 117°30m.358 E **Altitude** 227±105

Reference Map 33° 28' 11.8" 117° 30' 21.5"

Photograph Photographer's Name BRIAN (SLIDE) 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 DUPLEX Sand over gravel ***Colour*** BROWN/GREY

Exposed rock NO ***type*** % surface

Sub-surface Soil SAND ***Colour*** GREY

Rock NO ***type*** depth to rock

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

Litter 95 %. cover Depth 1·0 cm

Bare Ground 5 %cover

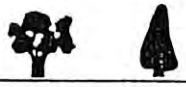
BUSHLAND PLANT SURVEY RECORDING SHEET 2 - use pencil only

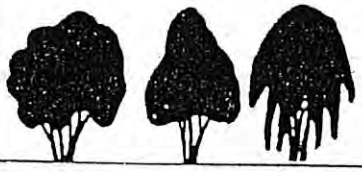
3. VEGETATION STRUCTURE AND COVER

From '*Bushland Plant Survey*' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 64 Nedlands WA 6009.

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

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

	TREES			MALLEES	
	over 30m	10 - 30m	under 10m	over 8m	under 8m
LIFE FORM					30m 10m
COVER CLASS (%)	NIL	NIL	10-30	NIL	NIL
DOMINANT SPECIES			CASUARINA		
			HAKEA PROSTRATA		
			AC. ACUMINATA		

	SHRUBS over 2m	SHRUBS 2m - 1m	SHRUBS under 1m
LIFE FORM			2m 1m
COVER CLASS (%)	NIL	NIL	NIL
DOMINANT SPECIES			

	GRASSES	HERBS	SEDGES	OTHER
LIFE FORM				1m
COVER CLASS (%)	2-10	>70	<2	
DOMINANT SPECIES	NEURACHNE	Bonja sphaerocephala		
		LECHENAULTIA formosa		
		SOWBIEA laxiflora		

4. VEGETATION CONDITION

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

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No NAB2

Date 4/10/97

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

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

TREES	No	Fl	ID	SHRUBS (cont.)	No	Fl	ID	HERBS (cont.)	No	Fl	ID
Allo CASUARINA HEUGLINA	1	✓	✓					*URSINIA ANTHEMOIDES	25		✓
HAKEA PROSTRATA	2		✓					*Parentucellia latifolia	26	✓	✓
ACACIA ACUMINATA	3		✓					Brachycome iberidifolia (white)	27	✓	✓
								CALEDENIA falcata	28	✓	✓
								CALADENIA FLAVA	29	✓	✓
								PTEROSTYLIS sp.	30		✓
MALLEES								DROSERA glanduligera	31		✓
---								LECHENAULTIA formosa	32	✓	✓
				GRASSES				Rhodanthe manglesii	33	✓	✓
				NEURACHNE alopecuroidea	4		✓	DROSERA sessilis pulo menziesii ssp menziesii	34		✓ Hz
				AUSTROSTIPA ELEGANTISSIMA	5		✓	Rhodanthe laevis	35	✓	✓
SHRUBS				Austrostipa sp. ? trichophylla (infertile)	6		✓	SOWERBEA LAXIFLORA	36	✓	✓
				[illegible] ELEGANTISSIMA	7		✓	STYLIDIUM obtusatum var. rubricalyx	37	✓	✓
				*BRIZA MAXIMA	9		✓	SEDGES			
				Austrodanthonia setacea.	20	(✓)	✓	Lepidobolus preissianus 47/	46.		✓
HERBS				*(Aira caryphyllea/cupaniana	21		✓	Desmocladus asper	16	07	✓
-idium 4 WHITE PETALS - Phyllangium paradox	38	✓	✓	*ROMULEA ROSEA	22		✓	TRYCORYNEA	48		— ?
Stylidium abtusatum (var. rubricalyx) 37	39	✓	✓					Lomandra micrantha subsp. ? micrantha	49		✓
THELYMITRA ANTENNIFERA	40	✓	✓	HERBS				LOMANDRA SUAVEOLENS ?	49A		✓
STYLIDIUM (Rosette form) piliferum	41		✓	CAESIA [illegible]	8		✓	Drosera menziesii ssp menziesii	?34	✓	✓ Hz
Blennospora drummondii	42	✓	✓	Borya sphaerocephala.	10	✓	✓	(See above) (purple fl)			
OPERCULARIA VAGINATA	43		✓	THYSANOTUS PATERSONII	11	✓	✓				
Siloxerus multiflorus	44	✓	✓	Dichopogon capillipes ?	12		✓				
CHAMAESCILLA CORYMBOSA var corymbosa	45	fl	✓	WAITZIA acuminata var acum.	13	✓	✓				
*Hypochaeris glabra (Flatweed) =19	50		✓	TRACHYMENE sp.	14		✓				
Trycoryne elatior	51		✓	Rhodanthe citrina	15	✓	✓				
*Plantago coronopus	52	✓	✓								
PODOTHECA ANGUSTIFOLIA	53		✓	WHITE DAISY Hyalosperma cotula	17	✓	✓				
LEPTOCERAS MENZIESII) No No.		✓	✓	*CAPE WEED - Arctotheca calendula	18	✓	✓	ADJACENT			
				*FLAT WEED - Hypochaeris glabra N/S	19		✓	ANOGOZATHUS HUMULIS NO SPECIMEN			
				PORANTHERA MICROPHYLLA	23	✓	✓	Lomandra [illegible]pestvis	-		✓
				Gonocarpus nodulosus	24		✓	WHITE SOWERBEA laxiflora		✓	✓

NAB2

NAB03

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Naballing - Wendy + Peter Bessell-Browne SITE NUMBER NABA 03

DATE TRIP 4/10/97 RECORDERS HB, STAN, DOB, WENDY, NEIL

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

BOTANIST _____

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

1. LOCATION of the QUADRAT

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

N

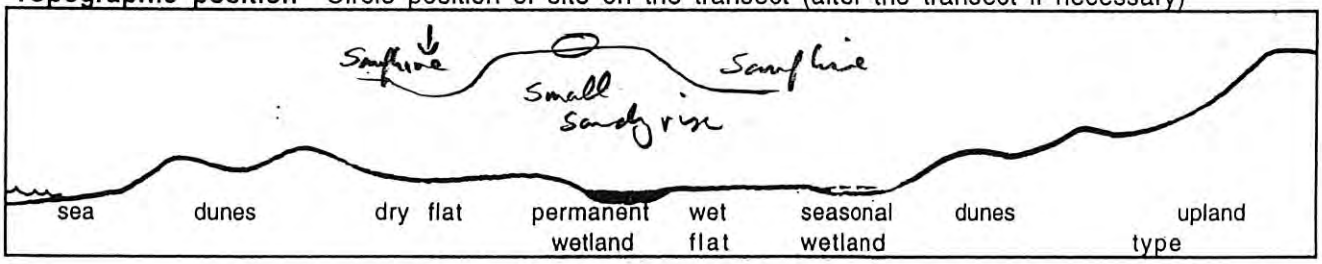
Road Location

Geographic Location **Latitude** 33 28.105 S **Longitude** 117 30.340 E **Altitude**

Reference Map 33°28'06.9" 117°30'20.5"

Photograph Photographer's Name N G Neil Gibson Photo No NG 31

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 SAND ***Colour*** ORANGE-BROWN

Exposed rock ***type*** — % surface

Sub-surface Soil SAND ***Colour***

Rock ***type*** depth to rock

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

Litter 30 % cover Depth 0-15 cm

Bare Ground 10-20 %cover

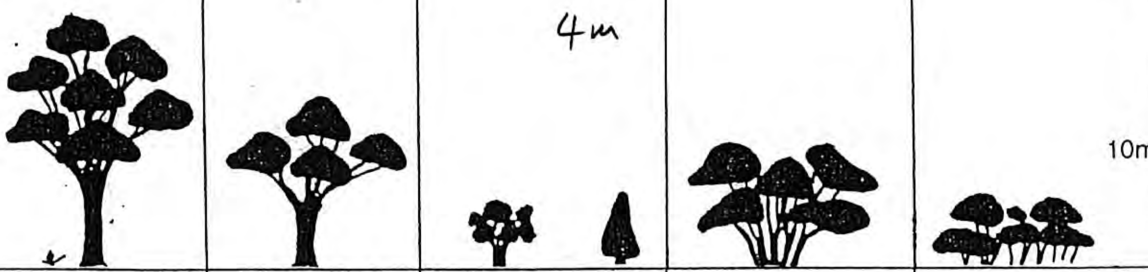
BUSHLAND PLANT SURVEY RECORDING SHEET 2 - use pencil only

3. VEGETATION STRUCTURE AND COVER

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

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 30m	TREES 10 - 30m	TREES under 10m	MALLEES over 8m	MALLEES under 8m
LIFE FORM			4m		30m 10m
COVER CLASS (%)		10-30	2-10		
DOMINANT SPECIES		E? longicornis E. wandoo E? loxophleba	A. huegl.		

	SHRUBS A. huegeliana over 2m	SHRUBS 2m - 1m	SHRUBS under 1m
LIFE FORM			2m 1m
COVER CLASS (%)		2-10	
DOMINANT SPECIES		Acacia acuminata	

	GRASSES	HERBS	SEDGES / RUSH.	OTHER
LIFE FORM				1m
COVER CLASS (%)	2-10	30-70		
DOMINANT SPECIES	Neurachne alop. Stipa sp.	Brachyscome sp. Waitzia acuminata. Podolepis lessonii Borya constricta. sphaerocephala.	Lepidobolus chaetocephalus. Loxocarya [illegible].	

4. VEGETATION CONDITION

		COMMENTS
1 'PRISTINE'		Some tree fell and regenerating jam to two.
2 EXCELLENT	✓	
3 VERY GOOD		
4 GOOD		
5 DEGRADED		

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No NABA 03

Date 4/10/97

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

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

TREES	No	Fl	ID
~~Eucalyptus wandoo (adj)~~	4	~~no~~	
E longicornis			
~~E loxophleba (adj)~~		no	
Allocasuarina huegliana	1	✓	✓
MALLEES			
SHRUBS			
Acacia acuminata	2	✓	✓

SHRUBS (cont.)	No	Fl	ID
GRASSES			
Neurachne alopecuroides	3	✓	✓
Austrostipa ? trichophylla	4	✓	
*Avellinia michelii	5	✓	✓
Aira caryophylleaa	6	✓	✓
*~~Ehrharta~~ Ehrharta longiflora	7	✓	✓
*Briza maxima	8	✓	✓
Austrostipa elegantissima	27	✓	✓
Austrodanthonia setacea var setacea	38	✓	✓
HERBS			
Waitzia accuminata var accuminata	9	✓	✓
*Ursinia anthemoides	10	✓	✓
Brachyscome iberidifolia	11	✓	✓
Sowerbaea laxiflora	12	✓	✓
Podolepis lessonii	13	✓	✓
Caladenia discoidea	14	✓	✓
~~Parentella~~ * Parentucellia latifolia	15	✓	✓
Lagenifera huegelii	16	✓	✓
~~Waitzia ? nitida~~ Rhodanthe citrina	17	✓	✓
*Anagallis avensis	18	✓	✓
Trachymene pilosa	19	✓	✓
Caesia alfordii "	20		✓

HERBS (cont.)	No	Fl	ID
Prasophyllum gracile	23	✓	✓
Borya sphaerocephala	24	✓	✓
Podotheca angustifolia	25	✓	✓
Blennospora ~~too~~ drummondii	26	✓	✓
Thysanotus ? pattersonii	28	✓	✓
*Hypochaeris glabra	29	✓	✓
*Romulea rosea	30	✓	✓
Caesia alfordii = 20	31	✓	✓
Rhodanthe manglesii	32	✓	✓
Hydrocotyle pilifera var glabrata	33	✓	
Poranthera microphylla	34	✓	✓
Phyllangium paradoxum	35	✓	✓
Goodenia sp	36	✓	
SEDGES			
Lepidobolus preissianus ?	21	✓	✓
Desmocladus asper.	22	5	✓
Herbs			
Gonocarpus nodulosus	37		✓
Millotia tenuifolia v tenuifolia	39	✓	✓
Velleia sp dead. (spec lost)	40		
~~C~~ Velleia cycnopotamica	41	✓	✓

NAB 03

NAB 4

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA NABALLING Wendy + Peter Berrell-Brown SITE NUMBER NAB 4

DATE TRIP 4.10.97 RECORDERS HELEN, KELD, ANN, JEFF & PETER

DATE TRIP _____ RECORDERS _____

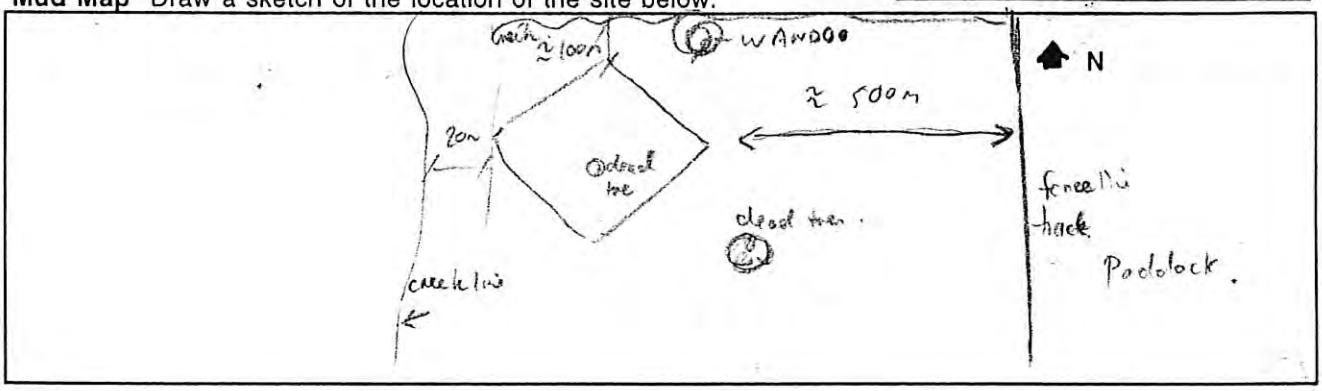
DATE TRIP _____ RECORDERS _____

BOTANIST _____

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

1. LOCATION of the QUADRAT

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



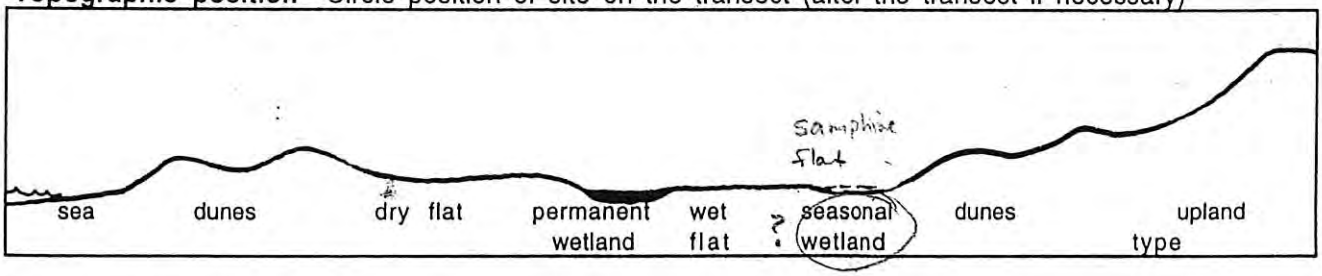
Road Location Web DARBY RD Lipsey Gully.

Geographic Location Latitude 33° 28' 13.9 S Longitude 117° 30' 32 E Altitude

Reference Map 33° 28' 08.3" 117° 30' 19.3"

Photograph Photographer's Name Photo No

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



2. SITE DATA Circle the correct response.

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

Surface Soil Sandy loam (collapsed surface from waterlogging) ***Colour*** grey brown

Exposed rock ***type*** — % surface

Sub-surface Soil duplex sandy loam with clay. ***Colour***

Rock ***type*** — depth to rock

Drainage well mod (poor) depth water cm ***Wet*** all year (winter/spring) most in summer.

Litter 2- 10% % cover

Depth <1 cm

Bare Ground ≈ 30 %cover

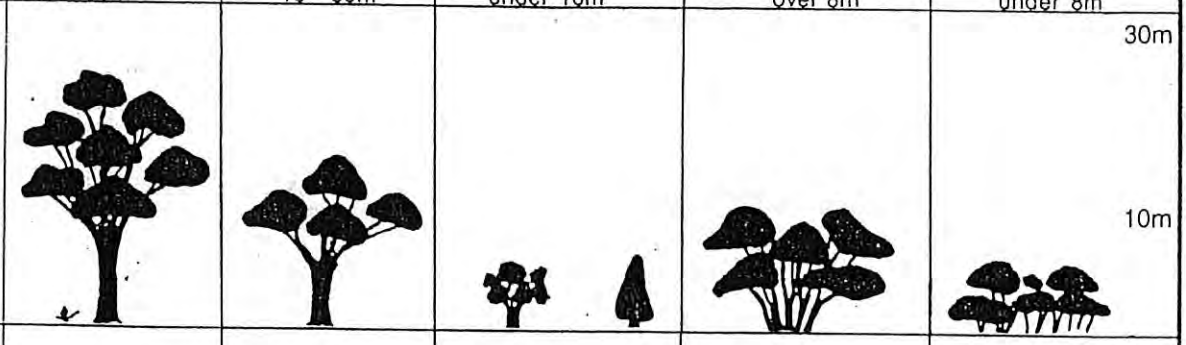
BUSHLAND PLANT SURVEY RECORDING SHEET 2 - use pencil only

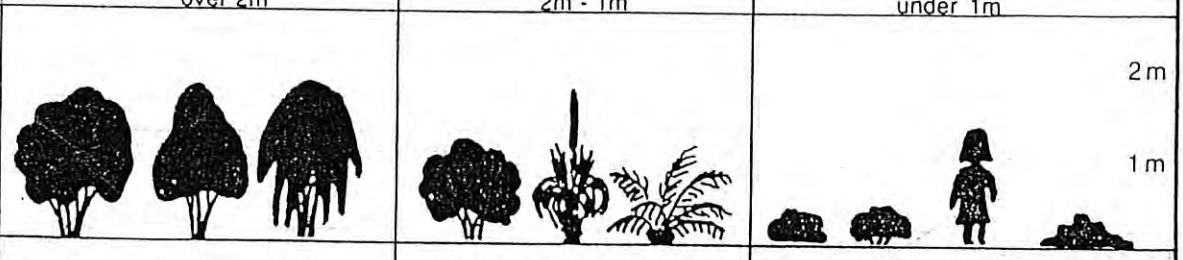
3. VEGETATION STRUCTURE AND COVER

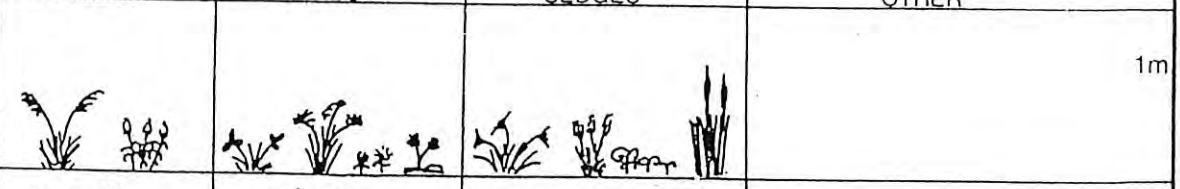
From '*Bushland Plant Survey*' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 64 Nedlands WA 6009

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

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

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

	SHRUBS over 2m	2m - 1m	SHRUBS under 1m
LIFE FORM			
COVER CLASS (%)			30% - 70% (40%)
DOMINANT SPECIES			Halosarcia sp.

	GRASSES	HERBS	SEDGES	OTHER
LIFE FORM				
COVER CLASS (%)	2-10%	10-30		
DOMINANT SPECIES	saltgrass	Cotula coronopifolia		
	puccinellia	Spergularia diandra		

4. VEGETATION CONDITION

1 'PRISTINE'		- COMMENTS
2 EXCELLENT		Salt affected, dead acacia acuminata stumps ≈ 30 yrs since salt arrival. samphire sparading. herb layer of cotula (possibly a weed)
3 VERY GOOD		
4 GOOD		
5 DEGRADED	?	

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

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

SITE No NAB 4
Date 4/10/97

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

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

TREES	No	Fl	ID	SHRUBS (cont.)	No	Fl	ID	HERBS (cont.)	No	Fl	ID
								ADJACENT (outer edge of samp. plot)			
								Atriplex semibaccata			✓
								Anagallis arvensis		✓	✓
								Romulea rosea		✓	✓
								Podolepis gracilis		✓	✓
								Drosera glanduligera (orange red)		✓	✓
MALLEES								Arctotheca calendula ✓		✓	✓
								Casuarina ~~longissima~~ obesa (M.S.)			
				GRASSES				Ursinia anthemoides			✓
				* PARAPHOLIS INCURVA	3	✓	✓	Melaleuca Brophyl (ms)			✓
				* PUCCINELLIA CILIATA	4		✓	barley grass (Hordeum glaucum			✓
SHRUBS								grey leaves red stems (small)			
HALOSARCIA Pergranulata	1		✓					Centrolepis polygyna (2 spec)			✓ ×
" lepidosperma	2		✓					~~SEDGES~~ Gnephosis drummondii		✓	✓
								Aira caryophyllea/cupaniana			✓
								Briza minor		✓	✓
								Vulpia muralis			✓
								Drosera ramellosa			✓ AL
OPS				HERBS				crassula exserta		✓	✓ KL
PODOTHECA ARGUSTIFOLIA		✓	✓	Cotula coronopifolia	5	✓	✓	Pogonolepis stricta (on creek line)			✓ GOIC.
				" Same as specimen 8	6		✓	Drosera menziesii ssp menziesii *2		✓	✓ AL
Aquatic creek				Triglochin mucronatum	7		✓	(One fl c purple fl.)			
Lepilaena preissii				× Spergularia diandra	12	✓	✓	Podolepis capillaris		✓	✓
				CYANICULA deformis. (No SITE N°)		✓	✓	opp under York Gum			
				Caladenia longicauda (No SITE N°) ×		✓	✓	Podotheca angustifolia		✓	✓
				Caladenia longicauda (No SITE N°) 2nd Sp		✓	✓	creekline Ptilotus humilis		✓	✓
								" Gnephosis drummondii		✓	✓
								calandrinia calyptrata			✓
								Opp			
								Schoenus humilis aff.		✓	✓

Awn 3+4 : Schoenus subflavus ✓

NAB04

NAB05

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA BOCKERING ~~BETTELL-BROWNE~~ - RICHARDT FAKES SITE NUMBER BOCK 01

DATE TRIP 5/10/97 RECORDERS Karen, Mark, Ann B, Rosemary

DATE TRIP _____ RECORDERS _____

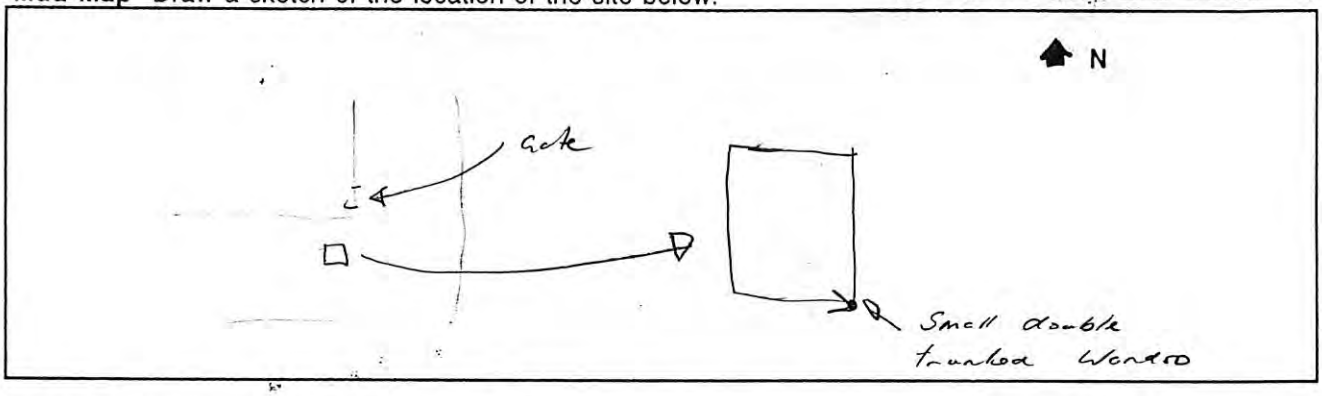
DATE TRIP _____ RECORDERS _____

BOTANIST Bronwen

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

1. LOCATION of the QUADRAT

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



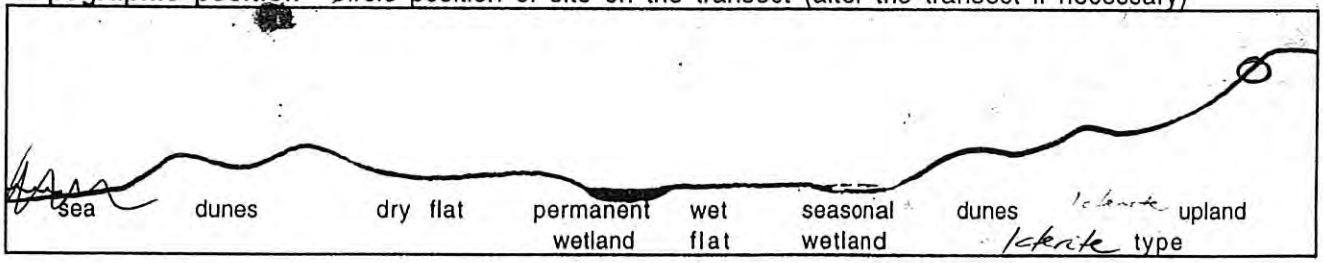
Road Location Lime Lake Rd East / Hervey Road.

Geographic Location Latitude 33°25.44 S Longitude 117°31.96' E Altitude 387m

Reference Map 33°25'26.4" 117°31'57.6"

Photograph Photographer's Name GJK 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 lateritic sandy loam ***Colour***

Exposed rock ***type*** gravel pebbles + lateritic rock % surface < 2%

Sub-surface Soil laterite cap rock ***Colour***

Rock ***type*** depth to rock 10cm

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

Litter	% cover	***Bare Ground***	%cover
Depth	cm		

BUSHLAND PLANT SURVEY RECORDING SHEET 2 - use pencil only

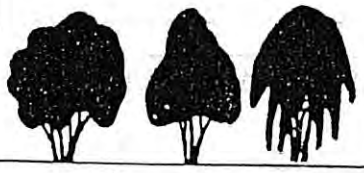
3. VEGETATION STRUCTURE AND COVER

From '*Bushland Plant Survey*' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 64 Nedlands WA 6009.

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

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

	TREES			MALLEES	
	over 30m	10 - 30m	under 10m	over 8m	under 8m
LIFE FORM			Some scattered trees over 10m		30m 10m
COVER CLASS (%)			2-10%		
DOMINANT SPECIES			Euc. wandoo		
			Allo. huegl.		

	SHRUBS		SHRUBS
	over 2m	2m - 1m	under 1m
LIFE FORM			2m 1m
COVER CLASS (%)		→ 30 - 70%	
DOMINANT SPECIES		Castrolob. spin.	

	GRASSES	HERBS	SEDGES	OTHER
LIFE FORM				1m
COVER CLASS (%)				
DOMINANT SPECIES				

4. VEGETATION CONDITION

		COMMENTS
1 'PRISTINE'		Scattered weeds, Eucalypt young + Allocas large Eucs lost in storm (Sept): when soil very wet
2 EXCELLENT		
3 VERY GOOD	✓	
4 GOOD		
5 DEGRADED		

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No	Bock Ø1
Date	5/10/97

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

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

TREES	No	Fl	ID
Euc. wando (NS)	1.		
Allocas. hueg. (NS)	2		

MALLEES

SHRUBS	No	Fl	ID
Gastrolobium spinosum (NS)	3	✓	✓
Dryandra armata var. ignicida	4	✓	✓
Banksia aff. sphaerocarpa (needleleaf)	5	✓	✓
Melaleuca tuberculata	6	✓	✓
Leptospermum ?erubescens	7		✓
Baeckea floribunda	8	✓	✓
Beaufortia incana	9	✓	✓
Acacia ?lasiocarpa	10		✓
Dryandra rufistylis	16	✓	✓
Hakea ferruginea	34		✓
E			

ADJ

(Dryandra fililoba) - prostrate (curly long tvs)

SHRUBS (cont.)	No	Fl	ID

GRASSES	No	Fl	ID
Neurachne alopecuroidea	11	✓	✓
*Aira caryophyllea/cupaniana	13		✓
* ~~Vulpia~~ Avellinia michelii	28		✓

HERBS	No	Fl	ID
Trachymene ?pilosa	12	✓	✓
*Ursinia anthemoides	14	✓	✓
Rhodanthe ~~[illegible]~~ ? citrina	15	✓	✓
Pterostylis recurva (seed)	17		✓
Pterostylis aff. vittata	18	✓	✓
*Hypochaeris glabra (NS)	19		
Levenhookia pusilla	20	✓	✓
Poranthera microphylla	21	✓	✓
*Arctotheca calendula (NS)	22	✓	
Drosera subhirtella subsp. subhirtella	23		✓
Chamaescilla corymbosa var corymbosa	24	✓	✓
Caladenia flava	25	✓	✓
Crassula decumbens var. decumbens	26	✓	✓

HERBS (cont.)	No	Fl	ID
Millotia tenuifolia var tenuifolia	27	✓	✓
'Fat heads' Pterochaeta paniculata	29	✓	✓
Stylidium squamellosum	30	✓	✓
Wahlenbergia preissii	31	✓	✓
Lomandra micrantha subsp. teretifolia	33		✓
Dichopogon ~~sp.~~ capillipes	35		✓
Tricoryne (Crassula) colorata var colorata	37		✓
Caladenia falcata NA	38		✓
? Pterostylis aff. vittata	41	✓	✓

SEDGES	No	Fl	ID
Lepidosperma costale	32		✓
Isolepis marginata	36		✓
Stipa	39		
Centrolepis drummondiana	40		✓

ADJ	No	Fl	ID
Corynotheca micrantha var?			✓
Hibbertia subvaginata		✓	✓
Allocas. humilis			✓
Acacia trigonophylla			✓
Stylidium ?carricifolium NS			
Dryandra fililoba (x3)			✓
Verticordia grandiflora			✓
Calytrix leschenaultia			✓
?? Dryandra armata var armata			✓

OPP. CALANDRINIA calyptrata.

NAB05

NAB06

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Bockram, Karen + Richard Bessell-Browne SITE NUMBER BOCK 02

DATE TRIP 5/10/97 RECORDERS Bob, Jennifer, Stan, Kate, Neil

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

BOTANIST Neil Gibson

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.

N

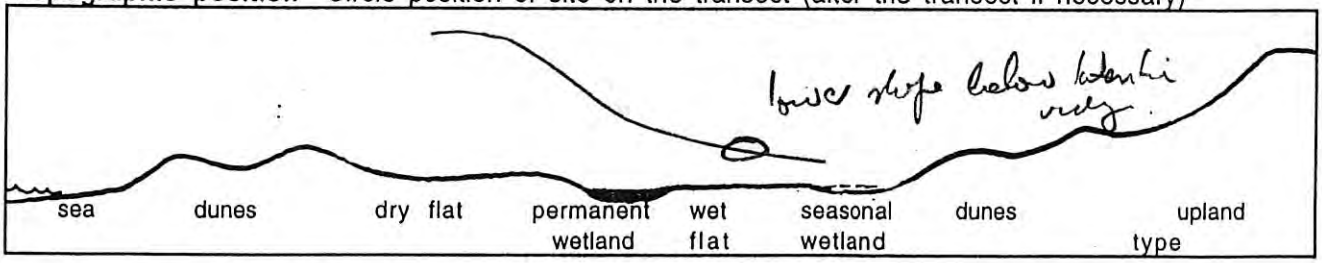
Road Location

Geographic Location **Latitude** **S Longitude** **E Altitude**

Reference Map

Photograph NG34 Photographer's Name Photo No

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



2. SITE DATA Circle the correct response.

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

Surface Soil SANDY CLAY ***Colour*** PALE BROWN

Exposed rock ***type*** % surface

Sub-surface Soil SANDY ***Colour*** SAME

Rock NONE ***type*** depth to rock

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

Litter	30-70 % cover	***Bare Ground***	2 %cover
	Depth 1-10 cm		

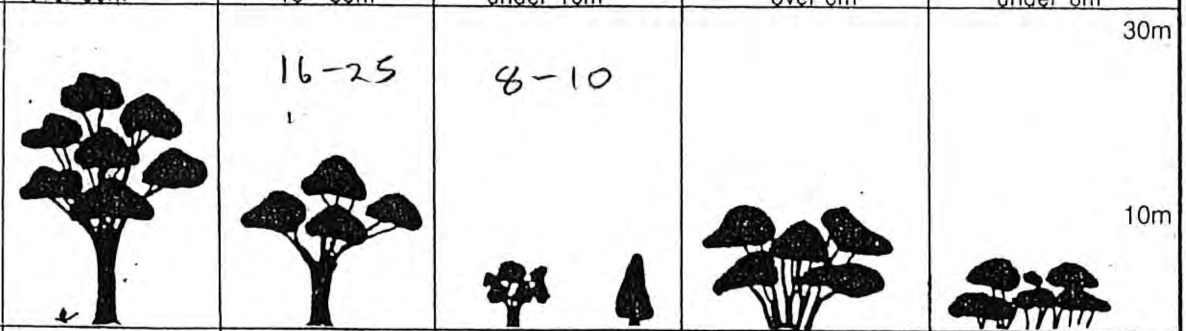
BUSHLAND PLANT SURVEY RECORDING SHEET 2 - use pencil only

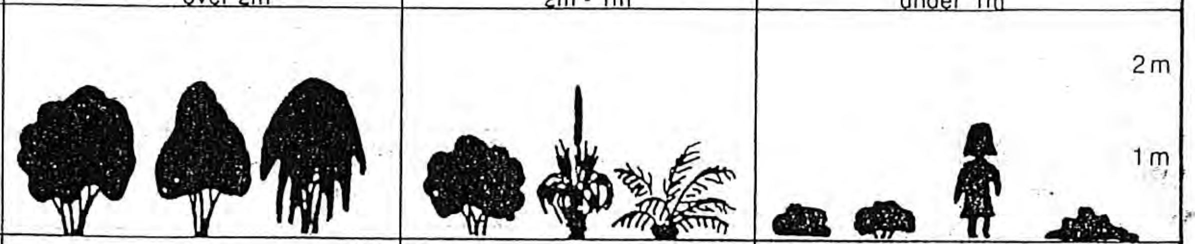
3. VEGETATION STRUCTURE AND COVER

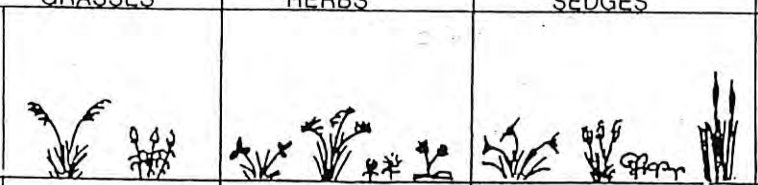
From '*Bushland Plant Survey*' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 64 Nedlands WA 6008.

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

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

	TREES			MALLEES	
	over 30m	10 - 30m	under 10m	over 8m	under 8m
LIFE FORM		16-25	8-10		30m / 10m
COVER CLASS (%)		10-30	10-30		
DOMINANT SPECIES		E. LONGECORUS	ALACASURINAHUGELIANA		
		E. WANDOO	JAM		

	SHRUBS		SHRUBS
	over 2m	2m - 1m	under 1m
LIFE FORM			2m / 1m
COVER CLASS (%)			
DOMINANT SPECIES			

	GRASSES	HERBS	SEDGES	OTHER
LIFE FORM				1m
COVER CLASS (%)	10-30	10-30		
DOMINANT SPECIES	*Briza maxima	Rhodanthe citrina		
	Neurachne alopec.	SOWERBEAE		

4. VEGETATION CONDITION

1 'PRISTINE'		COMMENTS
2 EXCELLENT		SEVERE WEED INVASION OF ANNUAL GRASSES
3 VERY GOOD	✓	ACROSS THE FLAT.
4 GOOD		
5 DEGRADED		

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

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

SITE No	BOCK2
Date	6/10/97

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

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

TREES	No	Fl	ID
E. WANDOO subsp wandoo	1		✓
E. LANGECORNUS (BARK ONLY) ✓	NO SPEC 50		
ALLOCASUARINA HUEGELIANA	2		✓
JAM (ADJ)			
20x20			
MALLEES			
SHRUBS			
GRASSES			
Austrostipa trichophylla = 37	40	✓	✓
* BROMUS DIANDRUS	52		✓
Gompholobium tomentosum	47		✓
ADJACENTS (cont)			
OPERCULARIA VAGINATA (ADJ)			✓
CALADENIA FLAVA (ADJ)		✓	✓
G[illegible]			
Anigozanthos humilis (ADJ)		✓	✓
[illegible]		✓	

SHRUBS (cont.)	No	Fl	ID
GRASSES			
* BRIZA MAXIMA	11	✓	✓
~~CAPE WEED~~			
* VELT GRASS = Ehrharta longiflora	13	✓	✓
* Aira caryophyllea	15	✓	✓
Austrostipa elegantissima	21	✓	✓
Neurachne alopecuroidea	28	✓	✓
Austrostipa trichophylla	~~37~~		✓
* VULPIA myuros forma megalura	39	✓	✓
* Arctotheca calendula = 12	22		✓
HERBS			
Caladenia falcata	3	✓	✓
Rhodanthe citrina	4	✓	✓
Waitzia acuminata var acuminata	5	✓	✓
Lawrencella rosea	6	✓	✓
RHODANTHE MANGLESII	7	✓	✓
STACKHOUSIA MONOGYNA	8	✓	✓
Stypandra glauca	9	✓	✓
SOWERBAEA LAXIFLORA	10	✓	✓
* CAPEWEED Arctotheca calendula	12	✓	✓
* URSINIA ANTHEMOIDES	14	✓	✓
Trachymene pilosa	16	✓	✓
Conostylis aculeata subsp aculeata	17	✓	✓
Dichopogon capillipes	18	✓	✓

HERBS (cont.)	No	Fl	ID
* HYPOCHAERIS GLABRA	20	✓	✓
Hydrocotyle pilifera var glabrata	23	✓	✓
Phyllangium paradoxum	24	✓	MV
Borya sphaerocephala	25		✓
Poranthera microphylla	26	✓	✓
Caesia alfordii	27	✓	✓
GONOCARPUS NODULOSUS	29	✓	✓
Agrostocrinum scabrum	30	✓	✓
Podolepis canescens	31	✓	✓
CALANDRINIA Calyptrata	32	✓	✓
BLENOSPORA DRUMMONDII	33	✓	✓
Levenhookia pusilla	34	✓	✓
THYSANOTUS PATERSONII	35	✓	✓
SEDGES			
Lepidosperma costale	19	✓	✓
Desmocladus asper	22	✓	✓
Schoenus sesquispiculus	41		✓
Schoenus nanus	45		✓
HERBS			
ISOTROPIS CUNEIFOLIA	36		✓
Austrostipa mollis	37	✓	✓
Austrodanthonia setacea var setacea	38	✓	✓
* ANAGALLIS arvensis	42	✓	✓
LOBELIA sp.	43		✓
LEPIDOSPERMA costale 314	44		✓
Velleia cycnopotamica	46	✓	✓
Podotheca angustifolia	48	✓	✓
PTEROSTYLIS sp. (nana group)	49		✓
Drosera macrantha ssp macrantha	51	✓	✓ A2
ADJ: Acacia trigonophylla		✓	✓
" Goodenia berardiana		✓	✓
" Pterostylis vittata		✓	✓

NA006

NABØ7

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Bockaring - Richard & Karen Bessell-Browne Woodanilling SITE NUMBER BOCK 3

DATE TRIP 5/10/97 RECORDERS Alice, Helen, Mary, Geoff, Keld

DATE TRIP _____ RECORDERS _____

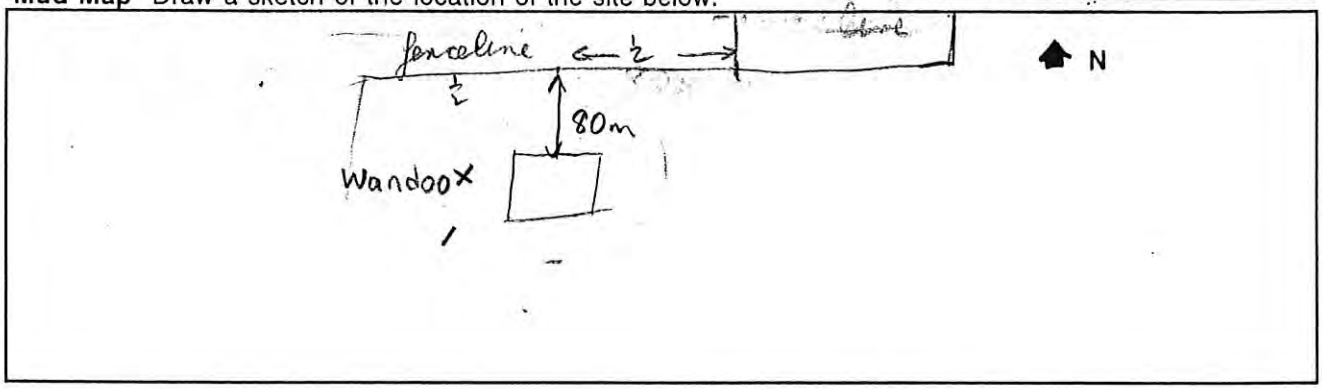
DATE TRIP _____ RECORDERS _____

BOTANIST _____

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

1. LOCATION of the QUADRAT

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



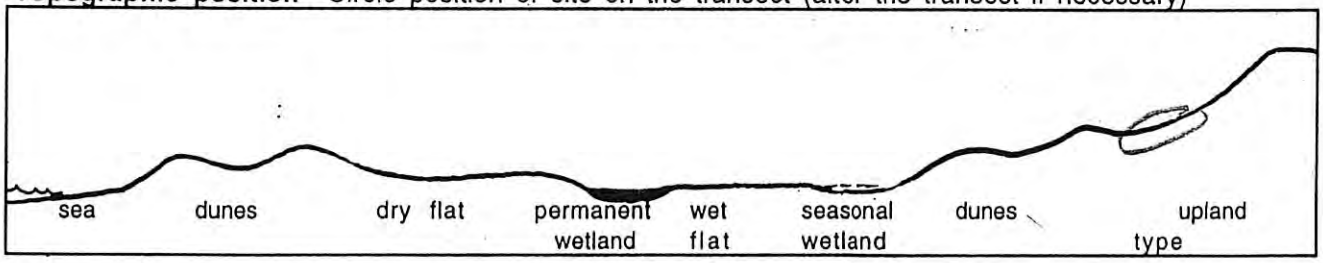
Road Location

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

Surface Soil Sandy ***Colour*** Dark brown

Exposed rock ***type*** — % surface

Sub-surface Soil Sand ***Colour*** whitish

Rock ***type*** — depth to rock

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

Litter	85	% cover	***Bare Ground***	5	%cover
Depth	2	cm			

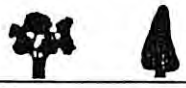
BUSHLAND PLANT SURVEY RECORDING SHEET 2 - use pencil only

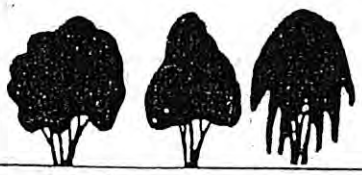
3. VEGETATION STRUCTURE AND COVER

From '*Bushland Plant Survey*' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 64 Nedlands WA 6009.

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

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

	TREES			MALLEES	
	over 30m	10 - 30m	under 10m	over 8m	under 8m
LIFE FORM					30m 10m
COVER CLASS (%)			c. 2-10		
DOMINANT SPECIES			Causarina		

	SHRUBS		SHRUBS
	over 2m	2m - 1m	under 1m
LIFE FORM			2m 1m
COVER CLASS (%)	2-10%	2-10	
DOMINANT SPECIES	Dryandra sessilis Gastrolobium spinosum	Gastrolobium	

	GRASSES	HERBS	SEDGES	OTHER
LIFE FORM				1m
COVER CLASS (%)	2-10	10-30%	Under 2%	—
DOMINANT SPECIES	Aira			

4. VEGETATION CONDITION

1 'PRISTINE'		COMMENTS
2 EXCELLENT	✓	Adjacent - Wandoo (10%).
3 VERY GOOD		Burnt 20 years ago
4 GOOD		
5 DEGRADED		

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No Bork 3
Date 5/10/97

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

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

TREES	No	Fl	ID
Allo Casuarina huegliana	1	✓	✓
MALLEES			
SHRUBS			
Dryandra sessilis var. sessilis	2	✓	✓
Gastrolobium spinosum	3	✓	✓
Jacksonia sternbergiana	4	✓	✓

SHRUBS (cont.)	No	Fl	ID
GRASSES			
* Aira caryphyllea/cupaniana	5		✓
Austrostipa mollis	6		✓
Neurachne alopecuroidea	7		✓
Austrostipa trichophylla	8		✓
Austrostipa elegantissima	9		✓
* Vulpia myuros var. myuros	10	✓	✓
Poa drummondiana.	26	✓	✓
* ~~Grass~~ Ehrharta longiflora	32		✓
HERBS			
Stypandra glauca	11	✓	✓
trachemene pilosa	12	✓	✓
Sowerbaea laxiflora	13	✓	✓
* Ursinia anthemoides	14	✓	✓
Yellow everlasting Rhodanthe citrina	15	✓	✓
Podolepis canescens	16		✓
Fleshy Daisy Podotheca angustifolia x2	17	✓	✓
* Flatweed Hypochaeris glabra	18		✓
~~Lobelia sp.~~	19		✓
Kennedia prostrata	20		✓
Drosera macrantha subsp macrantha	21	✓	✓
Caladenia clava n/s	22		✓
Chaemascilla var corymbosa corymbosa	23	fr	✓

HERBS (cont.)	No	Fl	ID
Poranthera microphylla	24	✓	✓
* Arctotheca calendula (capeweed)	25	✓	✓
Lagenifera huegelii	27	✓	✓
(SOW THISTLE) Sonchus oleraceus	29		✓
Caesia alfordii	31		
Millotia tenuifolia var tenuifolia	33	✓	✓
Thysanotus manglesianus/ patersonii	34	ft	✓
SEDGES			
Desmocladus asper	28	fr	✓
Austrostipa trichophylla =8	30		✓
ADJACENT			
~~Pterostylus~~ VITTATA		✓	✓
Euc wandoo n/s			✓
Tetraria capillaris			✓
Caladenia falcata		✓	✓
Opercularia vaginata			✓
Stackhousia monogyna		✓	✓
Leptoanema		✓	
Conostylus setigera subsp. setigera		✓	✓
Anigozanthus humilis		✓	✓
Laxmania granuliflora		✓	✓
Stylidium piliferum			✓
Calytrix leschenaultii			✓
Acacia acuminata			✓

NAB97

NAB08

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA BOCKARING Rak B/B **SITE NUMBER** BOCK 4

DATE TRIP 5/10/97 **RECORDERS** Ann, Karen, Diane, Gary Brian

DATE TRIP _____ **RECORDERS** _____

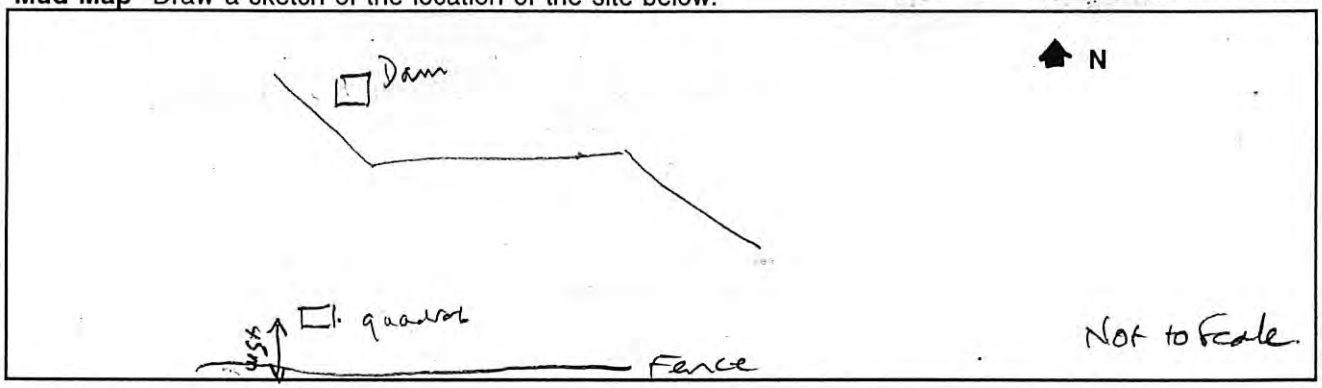
DATE TRIP _____ **RECORDERS** _____

BOTANIST Ann

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

1. LOCATION of the QUADRAT

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



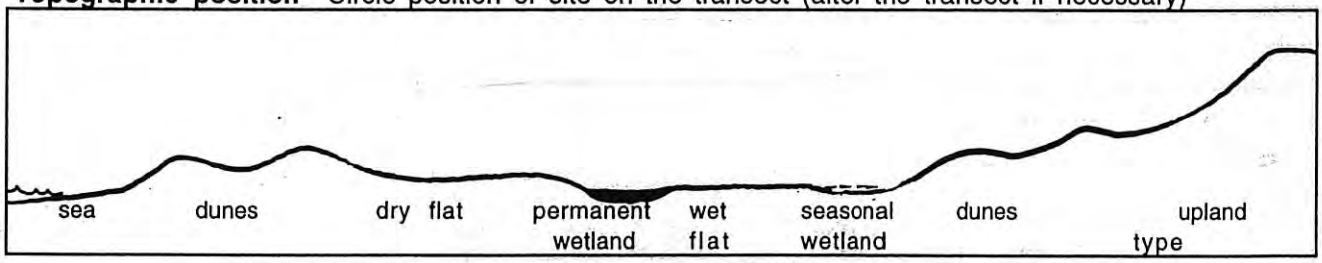
Road Location

Geographic Location **Latitude** 33 25 .502 S **Longitude** 117 31 .460 E **Altitude**

Reference Map 33° 25' 30.1" 117° 31' 27.6"

Photograph Photographer's Name Photo No

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



2. SITE DATA Circle the correct response.

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

Surface Soil GRAVEL/SAND/LOAM PEBBLES ***Colour*** GREY

Exposed rock ***type*** LATERITE % surface 4%

Sub-surface Soil GRAVEL ***Colour***

Rock ***type*** depth to rock

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

Litter > 70 % cover Depth cm

Bare Ground < 10 %cover

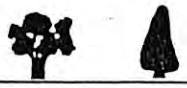
BUSHLAND PLANT SURVEY RECORDING SHEET 2 - use pencil only

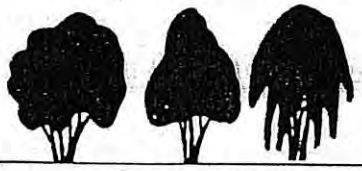
From '*Bushland Plant Survey*' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 64 Nedlands WA 6008.

3. VEGETATION STRUCTURE AND COVER

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

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

	TREES			MALLEES	
	over 30m	10 - 30m	under 10m	over 8m	under 8m
LIFE FORM					30m 10m
COVER CLASS (%)	NIL	10-30	NIL		
DOMINANT SPECIES		CASUARINA			
		WANDOO			

	SHRUBS over 2m	SHRUBS 2m - 1m	SHRUBS under 1m
LIFE FORM			2m 1m
COVER CLASS (%)			
DOMINANT SPECIES			

	GRASSES	HERBS	SEDGES	OTHER
LIFE FORM				1m
COVER CLASS (%)	10-30	? 10-30	NIL	
DOMINANT SPECIES	NEURACHNEA	SOWERBEA		
		STYLIDIUMS		
		WAITSEAS		

MIXED HERBS - HARD TO CHOOSE

4. VEGETATION CONDITION

1 'PRISTINE'		COMMENTS
2 EXCELLENT	X	Unburnt >34
3 VERY GOOD	X	Several regenerating casuarinas.
4 GOOD		Ongoing old.
5 DEGRADED		

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

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

SITE No ROCK 4
Date 5/10/97

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

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

TREES	No	Fl	ID
Allocasuarina huegeliana	1		✓
Euc Wandoo subsp wandoo	2		✓
MALLEES			
SHRUBS			
Hybanthus floribundus	3	✓	✓
Gompholobium marginatum	32	✓	✓
Herbs			
Drosera macrantha ssp macrantha	38		AL
Levenhookia pusilla / red stem / pink flower	39	✓	✓
Hyalosperma demissum	40	✓	✓
Blennospora drummondii / Woolly asteraceae Blennospora	41	✓	✓
Goodenia berardiana	42	✓	✓
Gonocarpus nodulosus	44		✓
Rhodanthe laevis	45	✓	✓
*Arctotheca calendula (capeweed)	46	✓	✓
Lobelia sp.	47		✓

SHRUBS (cont.)	No	Fl	ID
GRASSES			
Neurachne alopecuroidea	4	✓	✓
Austrostipa trichophylla	5		✓
Aira caryophyllea/cupaniana	6		✓
Austrostipa elegantissima	7	✓	✓
*Briza maxima	8		✓
* ~~Vulpia~~ Avellinia michelii	33		✓
Austrodanthonia setacea var. setacea	48		✓
HERBS			
Sowerbaea laxiflora	9	✓	✓
Rhodanthe citrina	10	✓	✓
Waitzia acuminata var acuminata	11	✓	✓
Stylidium piliferum	12	✓	✓
Stylidium calcaratum	13	✓	✓
Goodenia pulchella	14	✓	✓
Stackhousia monogyna	15	✓	✓
Anigozanthos humilis	16	✓	✓
Lawrencella rosea	17	✓	✓
Caladenia falcata	18	✓	✓
[illegible] Gonky Agr	19	✓	✓
Trachymene pilosa	20	✓	✓
Dichopogon capillipes	21		✓

HERBS (cont.)	No	Fl	ID
Chamaescilla corymbosa var corymbosa	22	Sr	✓
Rhodanthe manglesii	23	✓	✓
Drosera macrantha ssp macrantha	24	–	✓ AL
~~microtis~~ Prasophyllum gracilis	25	✓	✓
Caladenia flava	26	✓	✓
Lagenifera huegelii	27	·	✓
Parentucellia latifolia	28	✓	✓
Phyllangium paradoxum	30	✓	✓
Podotheca angustifolia	31	✓	✓
Lomandra micrantha subsp micrantha	34		✓
Stypandra glauca	35	✓	✓
Hypochoeris glabra	36		✓
Ibrantera microphylla	37	✓	✓
SEDGES			
Schoenus nanus	29	✓	✓
Centrolepis pilosa	43	✓	✓
Lepidosperma costale	?		✓
Adjacent			
Borya sphaerocephala			✓
Pterostylis recurva jug orchid		✓	✓
Opercularia vaginata			✓
Corynotheca micrantha			✓
Schoenus subflavus			✓
Dianella revoluta var. revoluta			✓
*Avena barbata			✓
Xanthorrhoea - w/flat trunk attractive to birds			✓
Leptospermum erubescens			✓
*Anagallis arvensis (on block)			✓
Elythranthera brunonis			✓

In area: Schoenus sp. G Broadleaf (K.L. Wilson 2633)

[IN AREA] = ADJ

ADJ Lysiosepalum hexandrum

NAB08

NAB09

Need to make up a species list for Cross 99.

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA "MOUNT MISERY" ERIC CROSSLEY SITE NUMBER CROS 01

DATE TRIP 4/10/97 RECORDERS

DATE TRIP RECORDERS

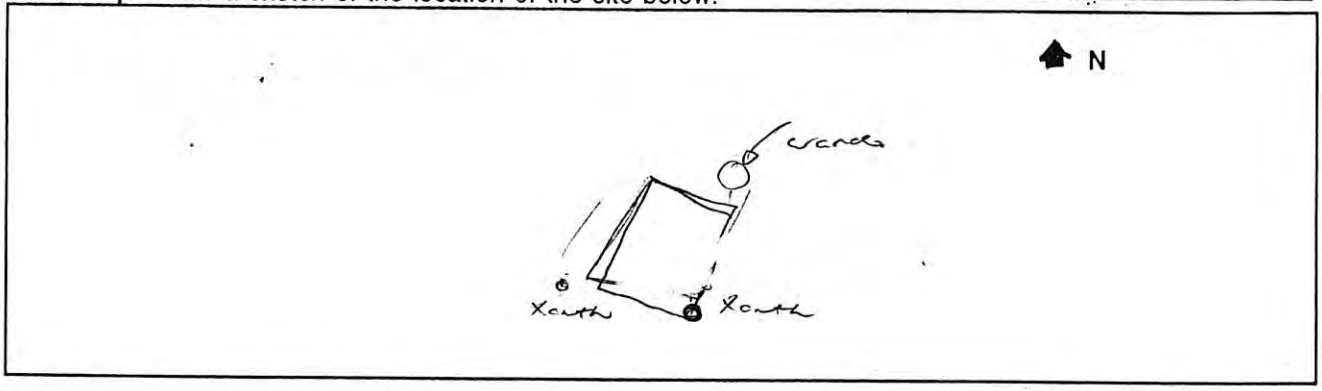
DATE TRIP RECORDERS

BOTANIST

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

1. LOCATION of the QUADRAT

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



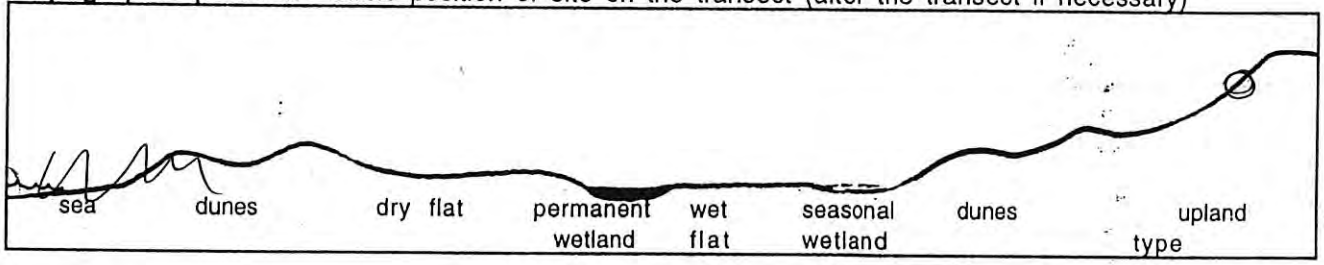
Road Location Darby Rd - Harvey Rd.

Geographic Location Latitude 33°26.60' S Longitude 117° 31.98' E Altitude 293m

Reference Map 33° 26' 36" 117° 31' 58.8"

Photograph Photographer's Name BJK 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 (dry) sand **Colour** brown

Exposed rock type lateritic pebbles % surface

Sub-surface Soil as above **Colour**

Rock type depth to rock

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

Litter	% cover	Bare Ground	%cover
Depth	cm		

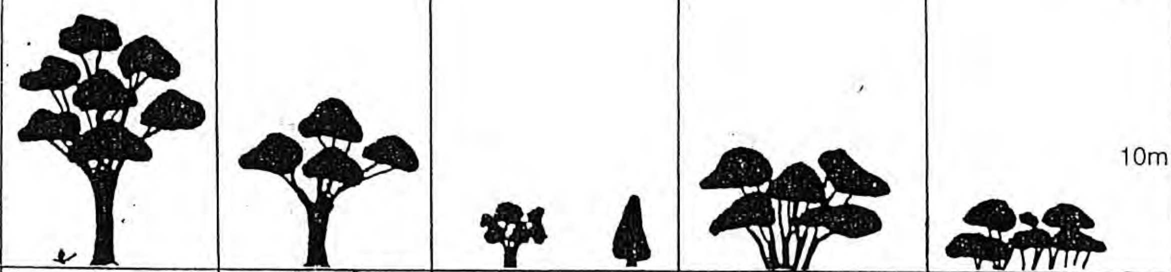
BUSHLAND PLANT SURVEY RECORDING SHEET 2 - use pencil only

3. VEGETATION STRUCTURE AND COVER

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

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

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

	TREES			MALLEES	
	over 30m	10 - 30m	under 10m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)		30-70%			
DOMINANT SPECIES		Allo. hueg			
		Euc. wando			

	SHRUBS over 2m	2m - 1m	SHRUBS under 1m
LIFE FORM			
COVER CLASS (%)		10-30	
DOMINANT SPECIES		Gastro. spin	
		Xanth ?drumm	

	GRASSES	HERBS	SEDGES	OTHER
LIFE FORM				
COVER CLASS (%)	2-10	10-30		
DOMINANT SPECIES	Neur. aleo	Rhodanthe citrina		
		Dampiera		

4. VEGETATION CONDITION

		COMMENTS
1 'PRISTINE'		*Ursina anthem common, seedling
2 EXCELLENT		Gastrolobium regen + shoots
3 VERY GOOD	✓	Xanth deaths 50% by parrot grazing
4 GOOD		
5 DEGRADED		

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No CROSS Ø1

Date 4/10/97

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

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

TREES	No	Fl	ID
Eucalyptus wandoo	1		
Allocasuarina huegeliana	2		
MALLEES			
SHRUBS			
Gastrolobium ?spinosum	3	✓	✓
Calytrix leschenaultia	4		✓
Dryandra armata var. armata	5		✓
Astroloma compactum	18		✓
Melaleuca tuberculata var tuberculata	42		✓
Xanthorrhoea ?drummondii	55		
HERBS			
Millotia tenuifolia var tenuifolia	43	✓	✓
Chamaexeros serra	44		✓
Ceratogyne obionoides (Asteraceae)	45	✓	✓
Drosera sp ?	48		
Blennospora drummondii N/S	49		✓
Stylidium ?caricifolium	50	✓	✓
Dichopogon capillipes N/S	52		✓
Haemodorum sp (no fls)	53		✓
Xanthosia huegelii	54	✓	✓
Lagenifera hueg N/S	57		✓

SHRUBS (cont.)	No	Fl	ID
?? Grass sp.	56		
GRASSES			
Stipa elegantissima	11		✓
Neurachne alopecuroidea	19		✓
Poa drummondiana	22	✓	✓
Austrostipa mollis	23		✓
Austrodanthonia setacea var setacea	36		✓
*Vulpia myuros var. myuros	37		✓
Austrostipa macalpinei	39		✓
Austrodanthonia sp. (infertile)	51		✓
Hairy grass	56		
HERBS			
Rhodanthe citrina	6	✓	✓
Poranthera microphylla	7	✓	✓
Phyllangium paradoxum	8		✓
Trachymene pilosa	9	✓	✓
* Cape Weed Arctotheca calendula	10	✓	✓
Lawrencella rosea	12	✓	✓
Chamaescilla corymbosa var corymbosa	13	fr	✓
Thysanotus ?patersonii	14	✓	✓
Opercularia vaginata	15		✓
*Hypochaeris glabra (NS)	16		✓
Stylidium calcaratum NS	17		✓
Stylidium squamellosum	21	✓	✓
Dampiera sacculata	24	✓	✓

HERBS (cont.)	No	Fl	ID
Stypandra glauca	25	✓	✓
Conostylis ?setigera subsp. setigera	26	✓	✓
Drosera macrantha ssp macrantha	27		✓ AL
Levenhookia pusilla	28		✓
Caladenia flava N/S	29		✓
Pterostylis aff nana	30	✓	✓
Borya sphaerocephala	31	✓	✓
Stackhousia monogyna	34		✓
* Ursinia anthemoides	35		✓
Pterostylis recurva	38		✓
Tricoryne elatior	41		✓
Sowerbaea laxiflora	40	✓	✓
	12		
SEDGES			
Lepidosperma costale	20		✓
Schoenus subflavus	32	✓	✓
Lepidobolus preissianus	33	✓	✓
Centrolepis aristata	46	✓	✓
Schoenus sp (?=ADJ nanus)	47		
ADJ			
Petrophile seminuda ? ADJ		✓	✓
Acacia ?lasiocarpa ADJ			✓
Sollya heterophylla ADJ			?=Bill vari.
Stylid. piliferum			
Hakea			
Dodonaea			
(not all listed)			
Lagenifera huegelii N/S			✓
Levenhookia pusilla			✓

Schoenus (annual) nanus ✓

Drosera (rosette) macrantha ssp macrantha ✓ AL

Billardiera variifolia

NAB09

NAB10

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA MT. MISERY WOODANILLING SITE NUMBER Eric Crossley. CROS 2

DATE TRIP 4/10/97 RECORDERS BRIAN MOYLE, DIANE & GARY MATTHEWS

DATE TRIP _____ RECORDERS MARGARET PHILLIPS, ERIC CROSSLEY

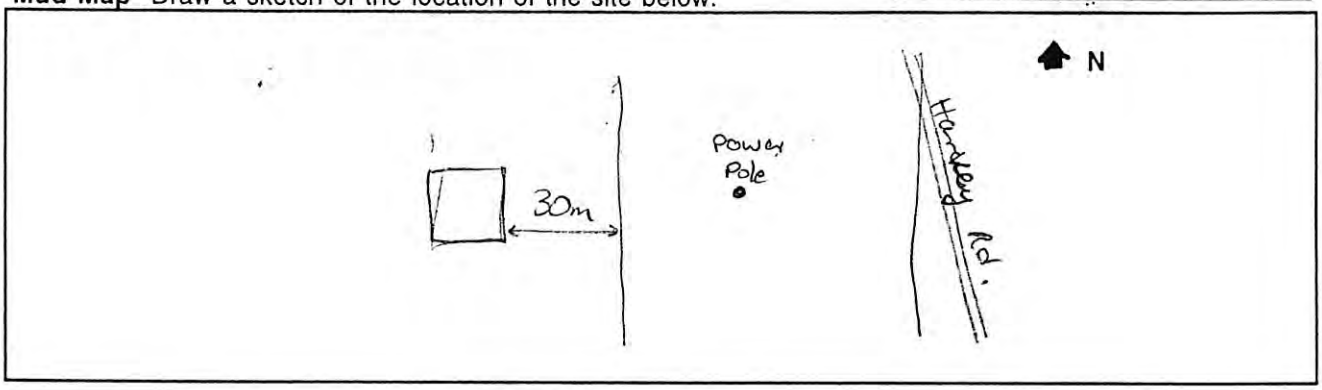
DATE TRIP _____ RECORDERS _____

BOTANIST _____

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

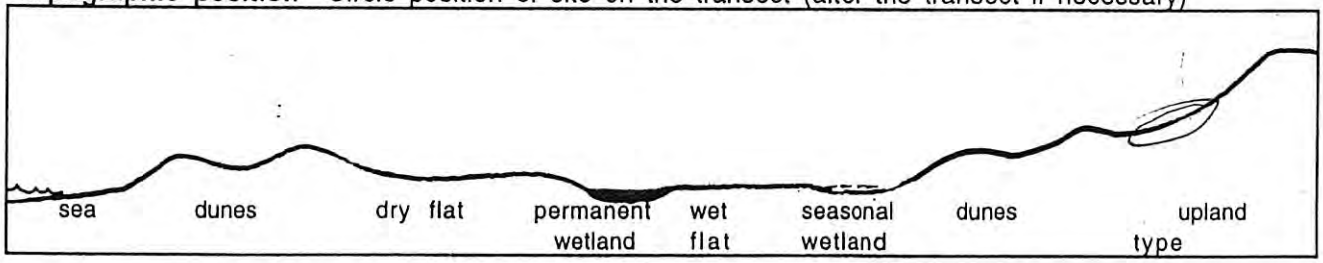
1. LOCATION of the QUADRAT

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



Road Location	HARVEY RD		
	33° 26' 39.1"	117° 31' 57.2"	
Geographic Location Reference Map	**Latitude**	**S Longitude**	**E Altitude**
	33°.26.651	117° 31.953	331 ± 150.
Photograph	Photographer's Name		Photo No

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



2. SITE DATA Circle the correct response.

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

Surface Soil Gravelly Sand/Sandy gravel ***Colour*** Grey/Brown

Exposed rock ***type*** — % surface

Sub-surface Soil gravel ***Colour*** Brown

Rock ***type*** depth to rock

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

Litter 90% % cover ***Bare Ground*** 3% %cover

Depth 1 cm + Dead branches

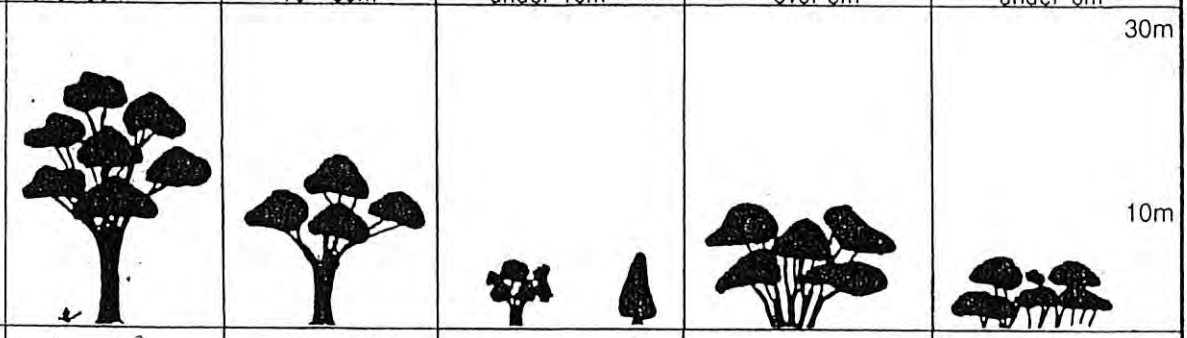
BUSHLAND PLANT SURVEY RECORDING SHEET 2 - use pencil only

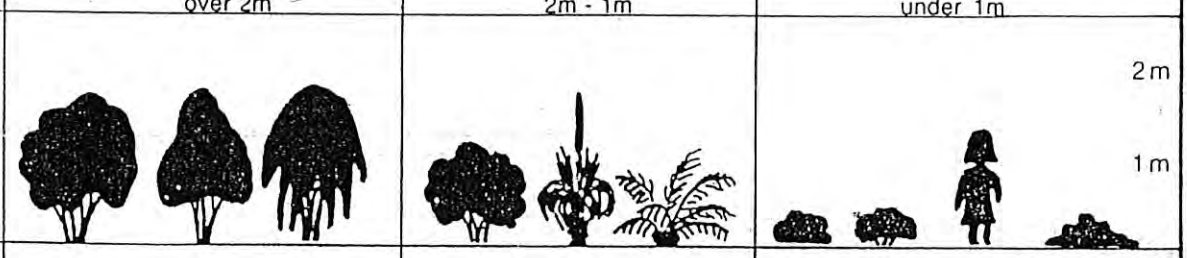
3. VEGETATION STRUCTURE AND COVER

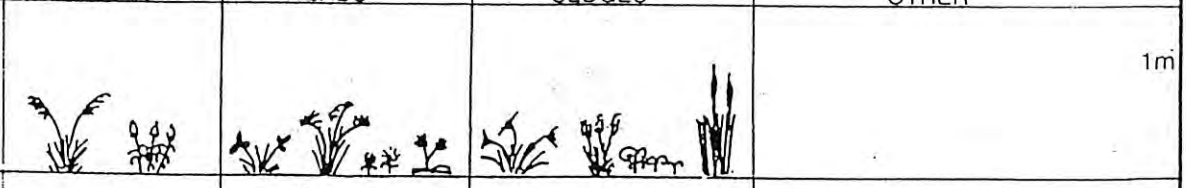
From '*Bushland Plant Survey*' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 64 Nedlands WA 6009.

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

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

	TREES			MALLEES	
	over 30m	10 - 30m	under 10m	over 8m	under 8m
LIFE FORM					30m 10m
COVER CLASS (%)		10-30%	—	—	—
DOMINANT SPECIES		Allocasuarina Heugliana Wandoo			

	SHRUBS		SHRUBS
	over 2m	2m - 1m	under 1m
LIFE FORM			2m 1m
COVER CLASS (%)	—	—	
DOMINANT SPECIES			

	GRASSES	HERBS	SEDGES	OTHER
LIFE FORM				1m
COVER CLASS (%)	2-10%	30-70%	less than 2%	—
DOMINANT SPECIES		Dichupogon Waitzia/Rhodanthe		

4. VEGETATION CONDITION

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

WOODANILLING

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No CROS 2
Date 4/10/97

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

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

TREES	No	Fl	ID
Allocasuarina huegeliana	1	✓	✓
Euc. wandoo ssp. wandoo	2		✓
MALLEES			
SHRUBS			
Bossiaea eriocarpa	3	✓	✓
Gompholobium marginatum	27	✓	✓

SHRUBS (cont.)	No	Fl	ID
GRASSES			
Neurachne alopecuroidea	4	✓	✓
Austrostipa mollis	5		✓
* Aira caryophylea/cupaniana	6	✓	✓
Poa drummondiana	7	✓	✓
Silver grass - ?Vulpia myuros/Nb.	9		?
Neurachne alopecuroidea	10		✓
HERBS			
Waitzia acuminata var acuminata	8	✓	✓
Yellow daisy Rhodanthe citrina	11	✓	✓
Opercularia vaginata	12	✓	✓
Stackhousia monogyna	13	✓	✓
Pink everlasting Lawrencella rosea	14	✓	✓
Ursinia anthemoides	15	✓	✓
Drosera macrantha ssp macrantha	16		✓
white 4 petals - Phyllangium paradoxum	18		✓
* Flatweed - Hypochaeris glabra	19		✓
Stypandra glauca	20	✓	✓
Dichopogon capillipes	21		✓
Sower baea laxiflora	23	✓	✓
Carrot weed) Trachymene pilosa	24	✓	✓

HERBS (cont.)	No	Fl	ID
Laxmannia ramosa (juvenile)	25		✓
Thysanotus ? patersonii	26	✓	✓
Rodanthe laevis	28	✓	✓
Orchid - Caladenia flava	29	✓	✓
Caladenia falcata	30	✓	✓
Trachymene pilosa	31		✓
Blemospore drummondii	32	✓	✓
Lasyomifera huegelii	33	✓	✓
SEDGES			
Desmocladus asper	17		✓
Lepidobolus preissianus	22	✓	✓
extra spec not numbered			
Sowerbaea laxiflora		✓	✓
Adjegenl			
Thorrell - Euc. longicornis			
Hibbertia enerva (Adj)		✓	✓
Lysiosepalum hexandrum		✓	✓
Acacia lasiocarpa			✓
Gonocarpus sp. (?G. nodulosus)			✓

G07C

NABIO

NAB11

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Clifden Farm Mt Misery - Eric Crossley. SITE NUMBER CROS 3

DATE TRIP 4-10-97 RECORDERS Neil, Wendy, Bob Stan

DATE TRIP ______ RECORDERS Jennifer, Kate

DATE TRIP ______ RECORDERS ______

BOTANIST ______

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

1. LOCATION of the QUADRAT

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

N

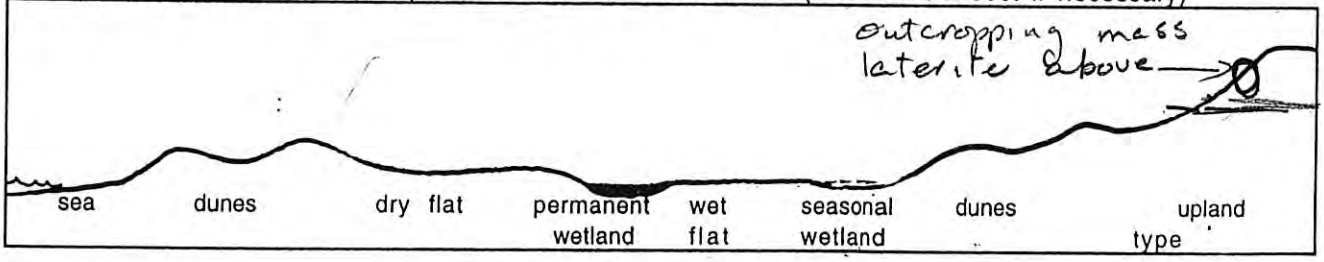
Road Location Mt Misery Bush block

Geographic Location Latitude 33° 26.730 S Longitude 117° 31.923 E Altitude

Reference Map 33° 26' 43.8" 117° 31' 55.4"

Photograph Photographer's Name Photo No NG 32

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 Brown sandy wash	***Colour*** brown
Exposed rock pisol. ***type*** Pisolitic 1-5 cm	% surface 2-10
Sub-surface Soil	***Colour***
Rock type	depth to rock
Drainage (well) mod poor depth water cm	***Wet*** all year winter/spring
Litter 90 % cover	***Bare Ground*** 25% %cover
Depth 0-2 cm	

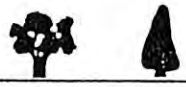
BUSHLAND PLANT SURVEY RECORDING SHEET 2 - use pencil only

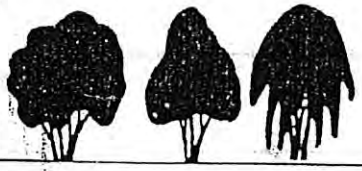
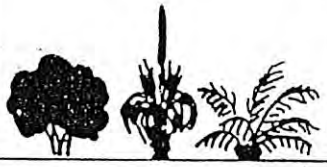
3. VEGETATION STRUCTURE AND COVER

From '*Bushland Plant Survey*' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 64 Nedlands WA 6009.

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

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

	TREES			MALLEES	
	over 30m	10 - 30m	under 10m	over 8m	under 8m
LIFE FORM		Approx 10m			30m 10m
COVER CLASS (%)		50-70			
DOMINANT SPECIES		E. astrigens			
		+ E. gardneri			

	SHRUBS		SHRUBS
	over 2m	2m - 1m	under 1m
LIFE FORM			2m 1m
COVER CLASS (%)			
DOMINANT SPECIES			

	GRASSES	HERBS	SEDGES	OTHER
LIFE FORM		Approx 2%		1m
COVER CLASS (%)		2-10		
DOMINANT SPECIES		Trachymyne pilosa		

4. VEGETATION CONDITION

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

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No Cros 3

Date 4-10-97

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

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

TREES	No	Fl	ID
E. ~~Bardinesi~~ astringens (below breakaway)	1		✓
+ E. gardneri			
MALLEES			
SHRUBS			
Astroloma cataphractum	10		✓

SHRUBS (cont.)	No	Fl	ID
GRASSES			
Austrostipa elegantissima	2	✓	✓
Austrostipa sp (infertile)	3		✓
Austrodanthonia setacea var breviseta	4	✓	✓
HERBS			
Trachymene pilosa	5	✓	✓
Hypochaeris glabrus	6	✓	✓
Calandrinia calyptrata	7	✓	✓
Rhodanthe citrina	8	✓	✓
Thysanotus (climbing) patersonii fruit	11		✓
Dianella revoluta var. revoluta	12		✓
Lobelia sp	14		✓

HERBS (cont.)	No	Fl	ID
SEDGES			
Lepidosperma leptostachyum	13		✓
Isolepis marginata	9	✓	✓
ADI			
Choretrum glomeratum var glom	15		
Stackhousia monogyna			✓

NA811

NABIZ

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA MOUNT MOORLY - Eric Crossley **SITE NUMBER** CROSS4.

DATE TRIP 4-10-97 **RECORDERS** ANN, ALICE, KAL, JEFF, HELEN,

DATE TRIP _____ **RECORDERS** PETER

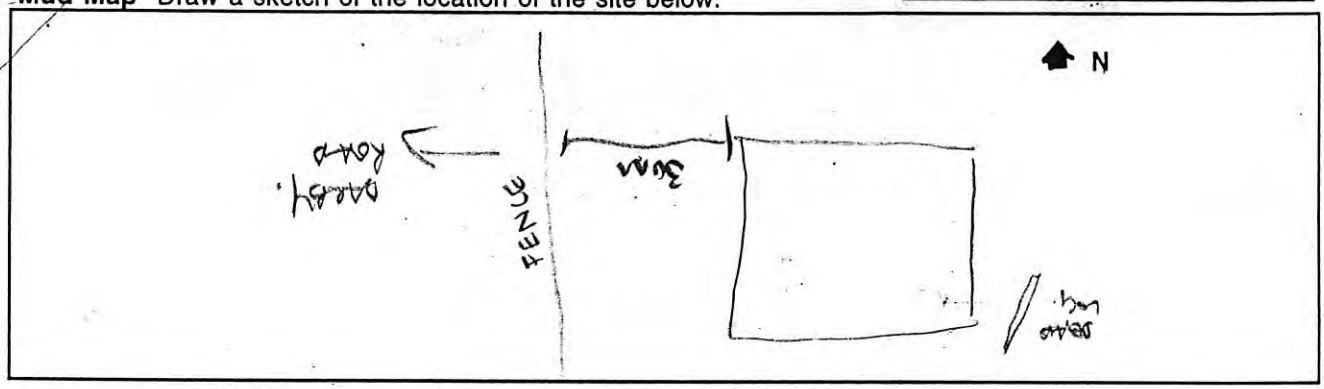
DATE TRIP _____ **RECORDERS** _____

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.



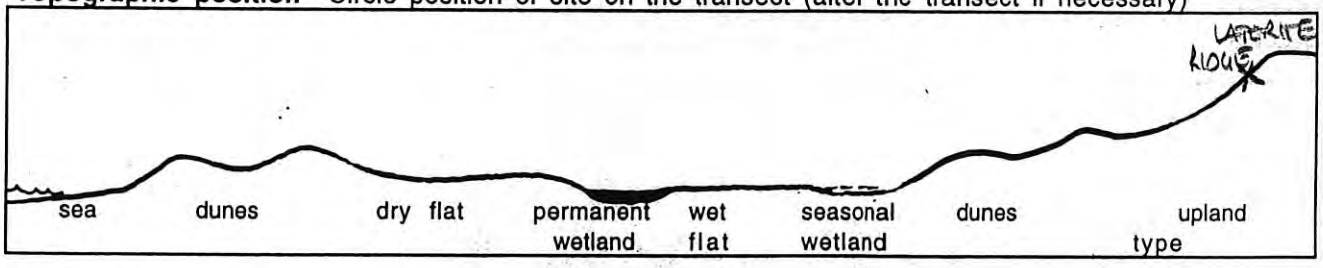
Road Location DARBY RD

Geographic Location **Latitude** 33°26.770 S **Longitude** 117°31.884 E **Altitude**

Reference Map 33° 26' 46.2" 117° 31' 53.0"

Photograph Photographer's Name Photo No

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



2. SITE DATA Circle the correct response.

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

Surface Soil GRAVELLY LOAM / LATERITE ***Colour*** RED

Exposed rock ***type*** LATERITE 15-20 % surface

Sub-surface Soil GRAVEL THROUGH TO CLAY ***Colour*** LIGHT BROWN

Rock ***type*** depth to rock

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

Litter	30 % cover	***Bare Ground***	< 10 %cover
Depth	≈ 2cm cm		

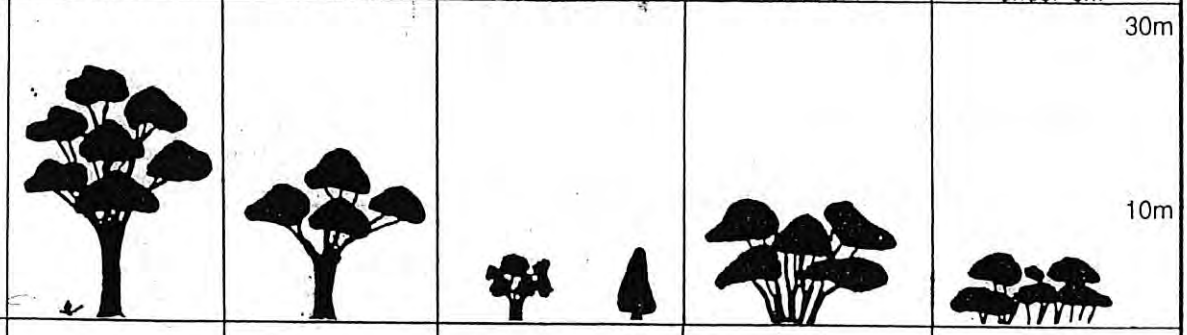
BUSHLAND PLANT SURVEY RECORDING SHEET 2 - use pencil only

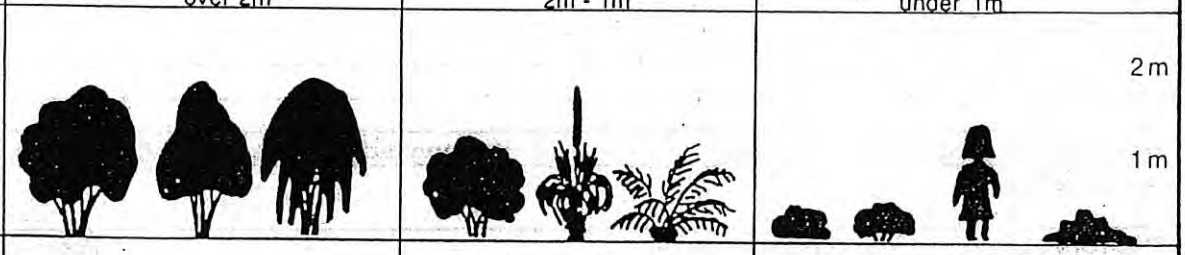
3. VEGETATION STRUCTURE AND COVER

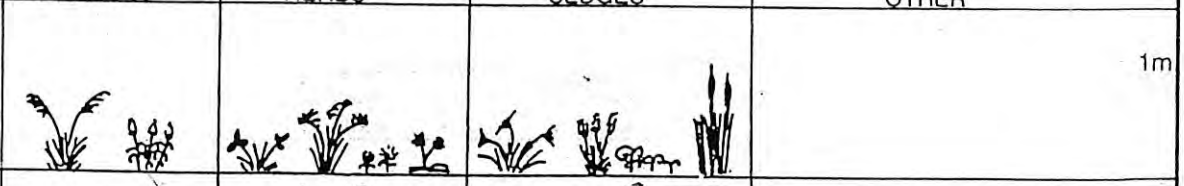
From '*Bushland Plant Survey*' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 64 Nedlands WA 6009.

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

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

	TREES			MALLEES	
	over 30m	10 - 30m	under 10m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)			10-30		
DOMINANT SPECIES	~~CASUARINA~~		CASUARINA		
	~~HUGLIANA~~		HUGLIANA.		

	SHRUBS		SHRUBS
	over 2m	2m - 1m	under 1m
LIFE FORM			
COVER CLASS (%)		WC 10-30%	
DOMINANT SPECIES		Microcorys erecifolia	
		Gastrolobium spinosum	

	GRASSES	HERBS	SEDGES	OTHER
LIFE FORM				
COVER CLASS (%)	2-10%	2-10%	2-10%	
DOMINANT SPECIES				

4. VEGETATION CONDITION

1 'PRISTINE'		COMMENTS
2 EXCELLENT	✓	UREINIA, AIRA dominant weed
3 VERY GOOD		NO fire 80 years ago approx.
4 GOOD		
5 DEGRADED		

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No CROSS 4
Date 4-10-97

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

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

TREES	No	Fl	ID
Allocasuarina huegeliana	1	✓	✓
MALLEES			
SHRUBS			
GASTROLOBIUM SPINOSUM	2	✓	✓
Microcorys ericafolia	3	✓	✓
COMESPERMA Scoparium	4	✓	✓
HIBBERTIA enervia	5	✓	✓
OPERCULARIA VARIGINATA	14	✓	✓
Acacia browniana	29	-	✓

SHRUBS (cont.)	No	Fl	ID
GRASSES			
*AIRA caryophyllea/cupaniana	7	✓	✓
NEURACHNE alopecuroidia	8	✓	✓
VULPIA myuros var. myuros	9	✓	✓
Austrostipa semibarbata	24		✓
HERBS			
~~STIPANDRA~~ Agrostocrinum scabrum	6		✓
STYLIDIUM (carcifolium)	10	✓	✓
*URSINIA ANTHEMOIDES	11	✓	✓
TRACHYMENE PILOSA	12	✓	✓
*ARCTOTHECA. calendula ✓	13	✓	✓
PHYLLANGIUM paradoxum	15	✓	✓
Rhodanthe citrina	16	✓	✓
THYSANOTUS patersonii	17	✓	✓
PORANTHERA MICROPHYLLA	18	✓	✓
WAHLENBERGIA Preissii	19	✓	✓
*HYPOCHAERIS glabra	20	✓	✓
LEVENHOOKIA PUSILLA	21	✓	✓
DROSERA macrantha ssp macrantha	27	✓	✓

HERBS (cont.)	No	Fl	ID
CALADENIA FLAVA No SPECIMEN			✓
Millotia tenuifolia var tenuifolia	23	✓	✓
Hydrocotyle pilifera var glabrata	25	✓	✓
Dichopogon capillipes	30		✓
SEDGES			
Lepidosperma sp A2 Island Flat	26		✓
Lepidosperma sp 2K	27		✓
Schoenus. sp	28	✓	✓
ADJ (PTO also). ?			
Comosperma			
Cryptandra nutans		✓	✓
Santalum acuminata (Quandong)			✓
Dodonaea pinifolia			✓
Hakea lissocarpa			✓
Euc. astringens.			✓
Dampiera sacculata		✓	✓
Bossiaea eriocarpa			✓

NAB12

NAB13

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA CROSSLEY - Mt Misery SITE NUMBER CROS 5

DATE TRIP 4/10/97 RECORDERS Helen, Keld, Jeff, Alice, Ann.

DATE TRIP _____ RECORDERS _____

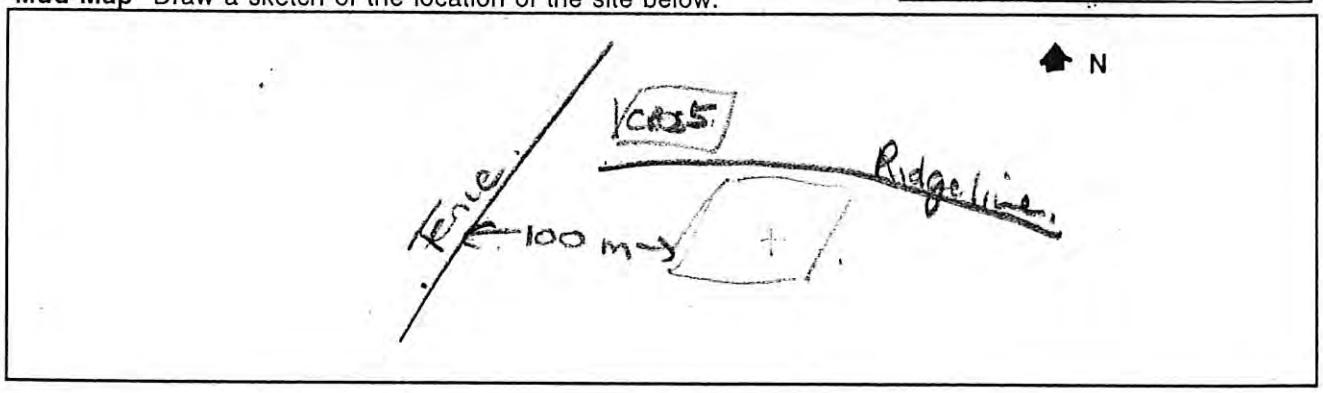
DATE TRIP _____ RECORDERS _____

BOTANIST _____

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

1. LOCATION of the QUADRAT

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



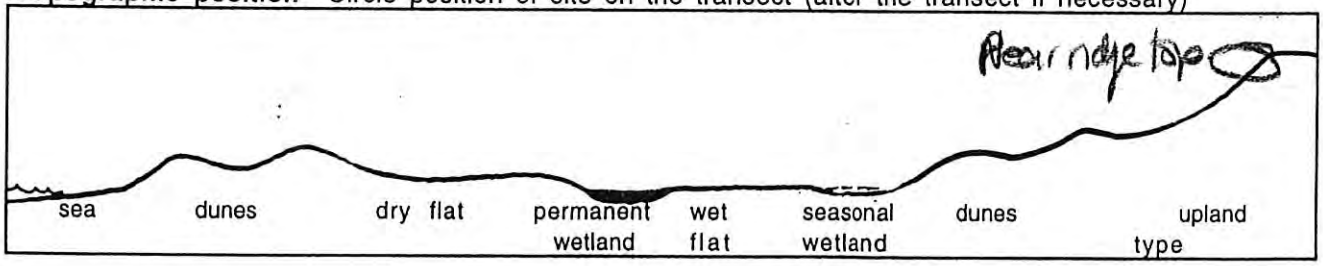
Road Location Darby Rd.

Geographic Location Latitude 33°26.794 S Longitude 117°31.870 E Altitude

Reference Map 33° 26' 47.6" 117° 31' 52.2"

Photograph Photographer's Name Photo No

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



2. SITE DATA Circle the correct response.

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

Surface Soil loam mixed with gravel. ***Colour*** brown.

Exposed rock ***type*** laterite. % surface

Sub-surface Soil ***Colour***

Rock ***type*** depth to rock

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

Litter 100% % cover

Depth 5-8 cm

Bare Ground — %cover

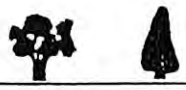
BUSHLAND PLANT SURVEY RECORDING SHEET 2 - use pencil only

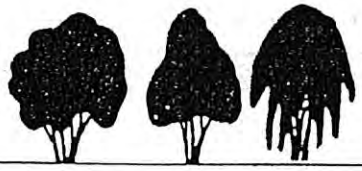
3. VEGETATION STRUCTURE AND COVER

From '*Bushland Plant Survey*' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 64 Nedlands WA 6009.

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

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

	TREES			MALLEES	
	over 30m	10 - 30m	under 10m	over 8m	under 8m
LIFE FORM		25m.			30m 10m
COVER CLASS (%)		30-70			
DOMINANT SPECIES		Silver Mallet			

	SHRUBS		SHRUBS
	over 2m	2m - 1m	under 1m
LIFE FORM			2m 1m
COVER CLASS (%)			
DOMINANT SPECIES			

	GRASSES	HERBS	SEDGES	OTHER
LIFE FORM				1m
COVER CLASS (%)				
DOMINANT SPECIES				

4. VEGETATION CONDITION

		COMMENTS
1 'PRISTINE'		no understorey :: natural state of Mallets
2 EXCELLENT	✓	
3 VERY GOOD		
4 GOOD		
5 DEGRADED		

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No	CROS 5
Date	4/10/9

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

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

TREES	No	Fl	ID
~~Euc sp. J~~ = Eucalyptus argyphea	1		✓
~~Euc [illegible]~~	=		
Euc. gardneri - Blue mallet (tops of breakaways??)	2		✓
MALLEES			
SHRUBS			

SHRUBS (cont.)	No	Fl	ID
GRASSES			
*Lolium rigidum	3	✓	✓
~~Billardiera~~ *Vulpia myuros	6		✓
HERBS			
*Ursinia anthemoides	4	✓	✓
Podolepis? Ronaya fraseri	5		✓
Trachymene (spectday separated)	7		?

HERBS (cont.)	No	Fl	ID
SEDGES			
Adjacent			
Chorethrum glomeratum			
Opercularia apiciflora			✓
Austrodanthonia setacea var setacea			✓

N4B13

NAB14

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Misery Hill Bush Block SITE NUMBER Cros 6
DATE TRIP 4.10-97 RECORDERS Neil, Wendy, Kate, Stan
DATE TRIP _____ RECORDERS Bob, Jennifer
DATE TRIP _____ RECORDERS _____
BOTANIST Neil

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

1. LOCATION of the QUADRAT

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

N

Road Location

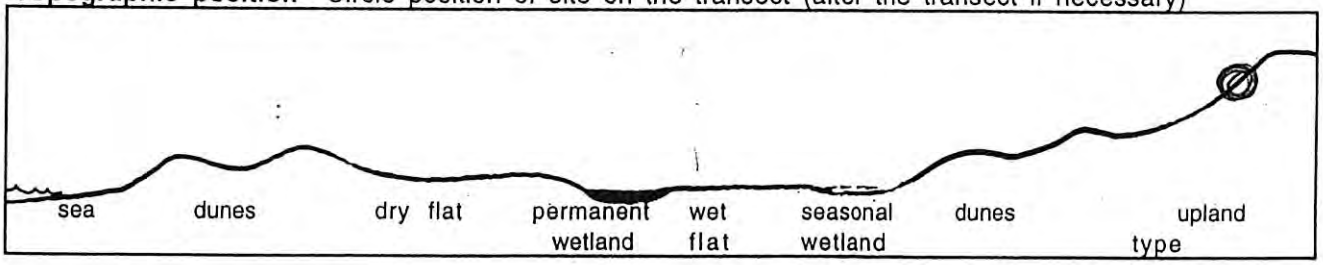
33° 26' 41.8" 117° 31' 54.9"

Geographic Location **Latitude** ~~33° 26.697~~S **Longitude** 117° 31.916 E **Altitude**

Reference Map

Photograph Photographer's Name ~~Kate~~ Neil ~~Brown~~ Gibson Photo No ~~24~~ NG 33

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 light brown loamy clay ***Colour*** lt brown
Exposed rock type Lateritic gravel % surface <1 – 4-5 cm <5% cover

Sub-surface Soil ***Colour***
Rock ~~[illegible]~~ ***type*** depth to rock

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

Litter	50 % cover	***Bare Ground***	2 %cover
Depth	cm		

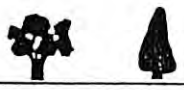
BUSHLAND PLANT SURVEY RECORDING SHEET 2 - use pencil only

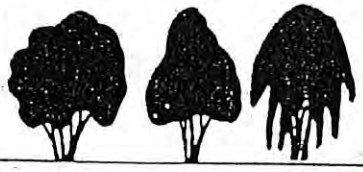
3. VEGETATION STRUCTURE AND COVER

From '*Bushland Plant Survey*' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 64 Nedlands WA 6009.

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

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

	TREES			MALLEES	
	over 30m	10 - 30m	under 10m	over 8m	under 8m
LIFE FORM		10-12m			30m 10m
COVER CLASS (%)		30-70			
DOMINANT SPECIES		E. wandoo			
		Al. huegelliana			

	SHRUBS		SHRUBS
	over 2m	2m - 1m	under 1m
LIFE FORM			2m 1m
COVER CLASS (%)		2-10	
DOMINANT SPECIES		Gastrolobium spinosum	
		Xanthorrhoea sp.	

	GRASSES	HERBS	SEDGES	OTHER
LIFE FORM				1m
COVER CLASS (%)		30-70		
DOMINANT SPECIES		Rhodanthe citrina		
		Dampiera sp.		

4. VEGETATION CONDITION

1 'PRISTINE'		COMMENTS
2 EXCELLENT	✓	Lots xan. deaths, localised weed patches
3 VERY GOOD		
4 GOOD		
5 DEGRADED		

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No Cros 6

Date [illegible]-4-10 97

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

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

(Fruiting)

TREES	No	FI	ID
Allocasuarina huegeliana	1	✓	✓
~~E. astringens~~	–		
E wandoo	–		
MALLEES			
SHRUBS			
Gastrolobium spinosum	2	✓	✓
~~Grevil~~ Hakea lissocarpha.	3	✓	✓
Xanthorrhoea drummondii	4		✓

SHRUBS (cont.)	No	FI	ID
GRASSES			
Vulpia muralis	6	✓	✓
*Aira caryophyllea, ~~cupaniana~~	7	✓	✓
Austrodanthonia setacea var. setacea	32	✓	
Neurachne alopecuroidea	5	✓	✓
HERBS			
Stylidium squamellosum	8	✓	✓
" laricifolium (1)	9	✓	✓
" piliferum (2)	10	✓	✓
Thysanotus (climbing) Patersonii	11	fr	✓
Rhodanthe citrina	12	✓	✓
Phyllangium paradoxum	13	✓	✓
Caladenia sp? flava	14	✓	✓
Opercularia vaginata	15	✓	✓
Chaemascilla corymbosa var corymbosa	16	fr	✓
Lobelia sp.	17		✓
Dampiera sp saccatulata	18	✓	✓
*Ursinia anthemoides	19	✓	✓
Hartzia acuminata var acuminata	21	✓	✓

HERBS (cont.)	No	FI	ID
Trachymene pilosa	22	✓	✓
Drosera macrantha subsp macrantha	23	✓	✓
Pterochaeta paniculata	25	✓	✓
Levenhookia stipitata	26	✓	✓
Rhodanthe laevis	27	✓	✓
Dichopogon capillipes	28		✓
Laurencella ~~[illegible]~~ rosea	29	✓	✓
Poranthera microphylla	30	✓	✓
*Hypochaeris glabra	31	✓	✓
Millotia tenuifolia var tenuifolia	35	✓	✓
*Arctotheca calendula	38	✓	✓
Hydrocotyle callicarpa	39	✓	✓
Wahlenbergia preissii/gracilenta	40	✓	✓
SEDGES			
~~Lyginia barbata~~	~~20~~	✓	✓
Lepidobolus preissianus	20A		✓
Austrostipa elegantissima	24		✓
Schoenus nanus	33	✓	✓
Schoenus sp. aff. pleistemoneus	34	✓	✓
Lepidosperma ~~angustatum~~ viscidum ?	37		✓
Lepidosperma leptostachyum	20		✓
ADJ.			
Dryandra armata	36	✓	✓
Patersonia juncea		✓	✓

NAB14

NAB15

Grab collection from lower end of block - unconfined plot.

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Mt MISERY - CROSLEYS. Lower slope. **SITE NUMBER** CROSS 99

DATE TRIP _____ **RECORDERS** _____

DATE TRIP _____ **RECORDERS** _____

DATE TRIP _____ **RECORDERS** _____

BOTANIST _____

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

1. LOCATION of the QUADRAT

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

N

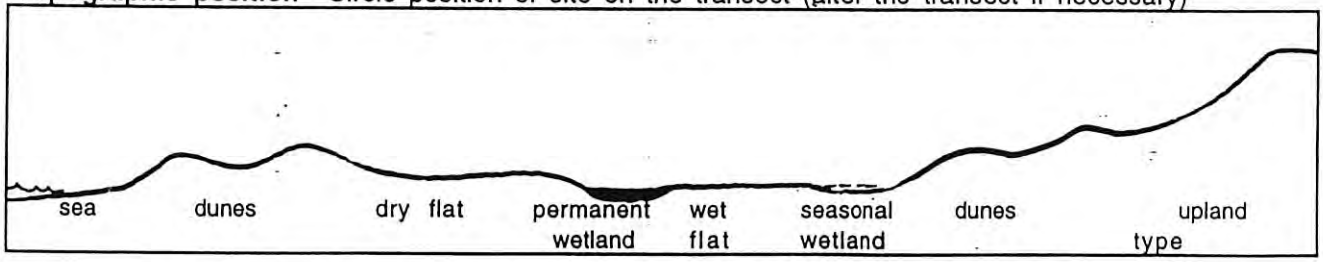
Road Location

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

Surface Soil ***Colour***

Exposed rock ***type*** % surface

Sub-surface Soil ***Colour***

Rock ***type*** depth to rock

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

Litter	% cover	***Bare Ground***	%cover
Depth	cm		

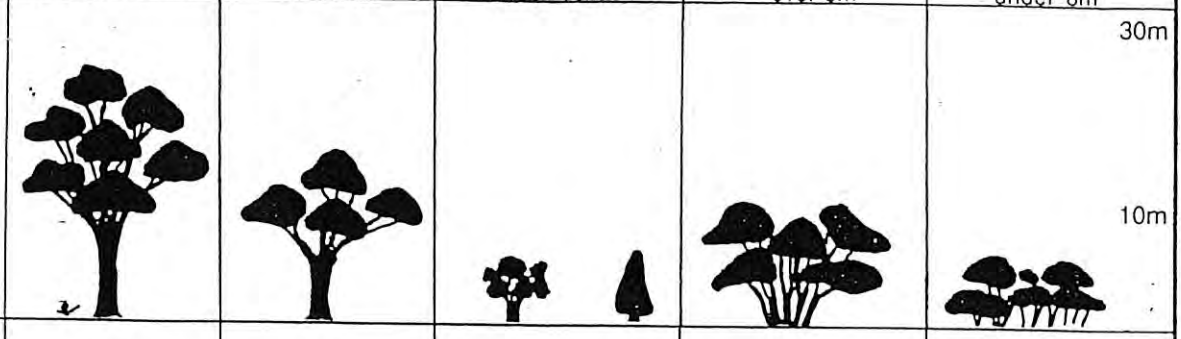
BUSHLAND PLANT SURVEY RECORDING SHEET 2 - use pencil only

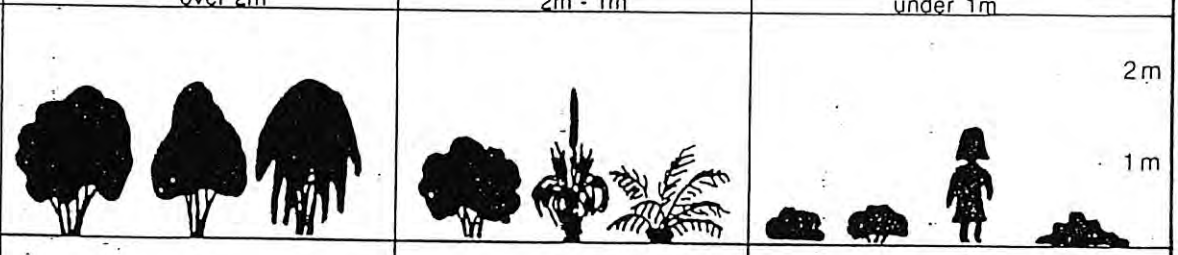
3. VEGETATION STRUCTURE AND COVER

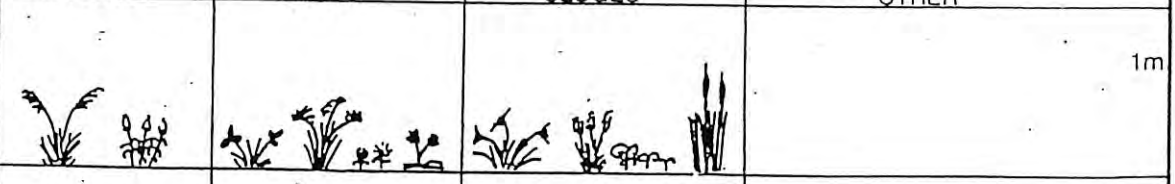
From '*Bushland Plant Survey*' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 64 Nedlands WA 6009.

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

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

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

	SHRUBS		SHRUBS
	over 2m	2m - 1m	under 1m
LIFE FORM			
COVER CLASS (%)			
DOMINANT SPECIES			

	GRASSES	HERBS	SEDGES	OTHER
LIFE FORM				
COVER CLASS (%)				
DOMINANT SPECIES				

4. VEGETATION CONDITION

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

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No
Date

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

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

TREES	No	Fl	ID
Allocasuarina huegeliana			✓
MALLEES			
SHRUBS			
Logania flaviflora			✓
Gastrolobium calycinum			✓
Gompholobium marginatum			✓
Petrophile seminuda			✓
*Asparagus asparagoides			✓
Trachymene cyanopetala			✓
Comesperma scoparium			✓
Stackhousia monogyna			✓
Baeckea crispiflora		✓	✓

SHRUBS (cont.)	No	Fl	ID
GRASSES			
Austrodanthonia setacea var setacea			✓
Neurachne alopecuroidea			
HERBS			
*Ursinia anthemoides			✓
Blennospora drummondii		✓	✓
Podotheca angustifolia x2		✓	✓
Rhodanthe citrina x2		✓	✓
Drosera glanduligera			✓
Drosera erythrorhiza (? collina)			✓
Hyalosperma cotula		✓	✓
Stylidium calcaratum		✓	✓
Brachyscome iberidifolia		✓	✓
Pterochaeta paniculata		✓	✓
Stylidium dichotomum			✓
Cyanicula gemmata		✓	
Chamaescilla spiralis		✓	✓

HERBS (cont.)	No	Fl	ID
Gonocarpus nodulosus			✓
Borya sphaerocephala			✓
Mesomelaena preissii (x3)			✓
Lepidobolus preissianus			✓
Caladenia flava		✓	✓
Cyanicula gemmata		✓	✓
Leporella fimbriata		✓	✓
SEDGES			
Lepidosperma viscidum			✓

NAB 15