

QUADRAT DATA SHEETS

for the

PIONEER CEMETERY

(Quadrat mps 1-4)

and

SNELL STREET RESERVE

(Quadrat SNELL 1-8)

at

MERREDIN

**Bushland Plant Survey Programme
1997-98**

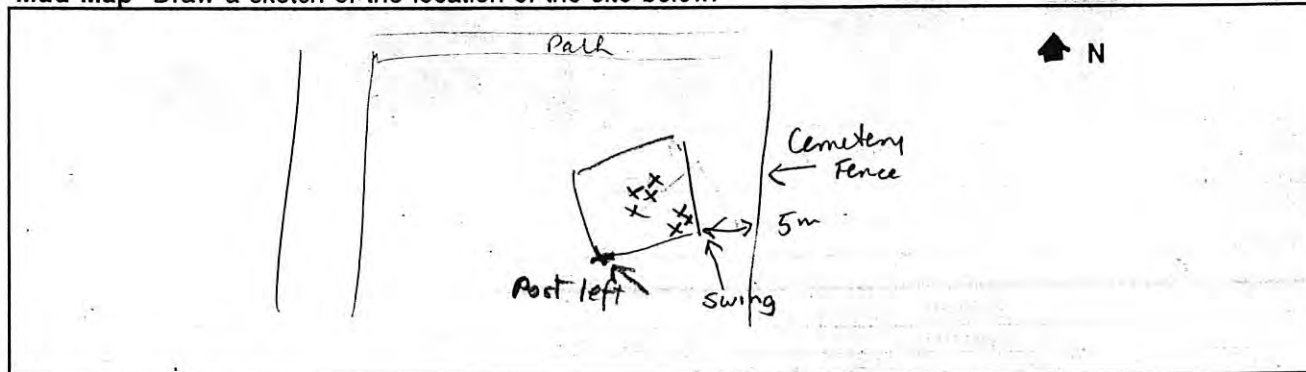
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Merredin Pioneer Cemetery SITE NUMBER PC 1
 DATE TRIP 20.9.97 RECORDERS Margaret Hillis, Stan White, Rosemary
 DATE TRIP _____ RECORDERS Anne Holmes Graham
 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

31° 29' 21.6"

118° 16' 04.2"

Geographic Location Latitude

S Longitude

E Altitude

Reference Map

31. 29.36 S

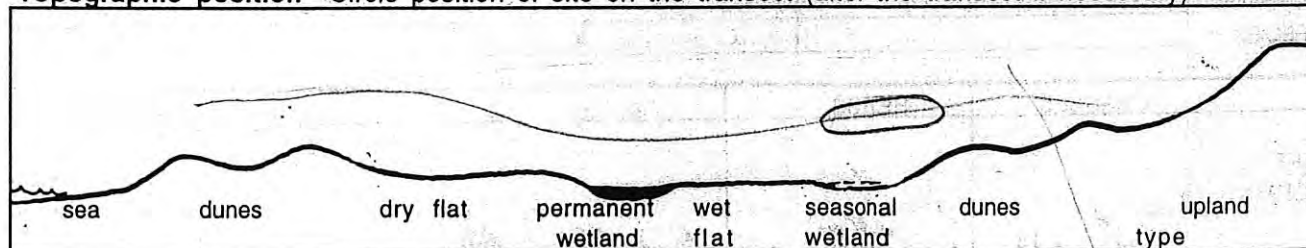
118 16.07 (04)

Photograph

Photographer's Name (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 gentle steep Aspect N NE E SE S SW W NW

Surface Soil Clay / Loam Colour Tan
 Exposed rock type — % surface

Sub-surface Soil Clay / Loam Colour Orange
 Rock type — depth to rock

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

Litter 60 - 70 % cover Bare Ground 20 % cover
 Depth 1-2 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 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 (%)		over 70%			
DOMINANT SPECIES		EUC.			
	SHRUBS		SHRUBS		
	over 2m	2m-1m	under 1m		
LIFE FORM	  	  	   		
COVER CLASS (%)	2-10%	10-30	10-30		
DOMINANT SPECIES	Allocasuarina	Acacia	Alysicia busyfolia		
	GRASSES	HERBS	SEDGES	OTHER	
LIFE FORM	 	  	  		
COVER CLASS (%)	2-10	less than 2%	less than 2%		
DOMINANT SPECIES	Wild oats/ I				

4. VEGETATION CONDITION

1	'PRISTINE'		COMMENTS Weeds / freecias / "path"
2	EXCELLENT		
3	VERY GOOD		
4	GOOD	✓	
5	DEGRADED		

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No	MPC 1
Date	20/9/97.

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	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
EUC. WANDOO	1		✓					Cotula sp.	37	✓	✓
								Baccharis?			
								Waitzia ACUMINATA	42		✓
								*Ursina anthemoides (? 33)			✓
MALLEES											
				GRASSES							
				Wild Oats Avena? barbata NIS	16						
				Eriophora longiflora	17		✓				
SHRUBS				NEURADENE ALOPECUROIDEA	18	✓	✓				
Allocasuarina 1 ACUTIVALVUS	2		✓	AUSTROSTIPA TRICHOPHYLLA	19	✓	✓				
Allocasuarina campestris	3		✓	AUSTROSTIPA TRICHOPHYLLA	20	✓	✓	SEDGES			
Alyxia buxifolia	4		✓	AMPHIPOGON CARICINUS	21	✓	✓	ELEDIOCOLEA MONOSTACHYA	38	✓	✓
Phebalium TUBERULOSA	5		✓	Austrostipa elegantissima	26	✓	✓	SPARTOCHLOA SCIRPOIDEA	39	✓	✓
Grevillea apiculobasyspidifolia	6	✓	✓	Spartochloa scirpoidea	39	✓	✓	Lepidopodus PREISSIANUS	40		✓
Dodonaea buxariifolia	7		✓								
Acacia fragilis	8		✓	HERBS							
Beyleria brevifolia var robustior	9		✓	Dianella revoluta var divaricata	23	✓	✓				
Lycopodium hamulosus	10		✓	Freesia Aff.	24		✓				
STENANTHEMUM STIPULOSUM	11		✓	Tafelberg Oxalis purpurea	25		✓	LAURENCELLA ROSEA (ADS)		✓	✓
Astiloma serratifolium	12		✓	(yellow weed = 32)	27		✓	ALLOCASUARINA CAMPESTRIS (ADS)			✓
PIATYSACE EFFUSA	13		✓	Trachymene cyanoptera	28		✓	ADJACENT			
EXCAVARENA ZANIOSA	14		✓	Lawrencea rosea	29	✓	✓	Thysanotis PATersonii	43	✓	✓
				* Brassica tournefortii	30		✓	Acacia yorckianaensis			✓
Hinchylaea LANATA	22		✓	* Hypochaeris glabra	31		✓	subsp acuta			
Acacia excelsa	41		✓	Kosteospermum clandestinum = 21	32		✓	Trachymene cyanoptera			✓
				3 crystall fl / furry leaves	33		✓	Calladenia rubra nsp			✓
GREVILLEA TERETIFOLIA ADS			✓	Caryophyllaceae ? purple fl - indent	34		✓	ACACIA HEUTELES			✓
				* Arctostaphylos calendula (nospec)	35		✓	Acacia Longispinea			✓
				ORCHID Thelomium	36		✓	BECKHA GRAMPINELLA ADS			✓

long

Dioscorea macrantha subsp. *macrantha* PTD
Verticordia chrysanthra

Thyristors

16000

MPC02

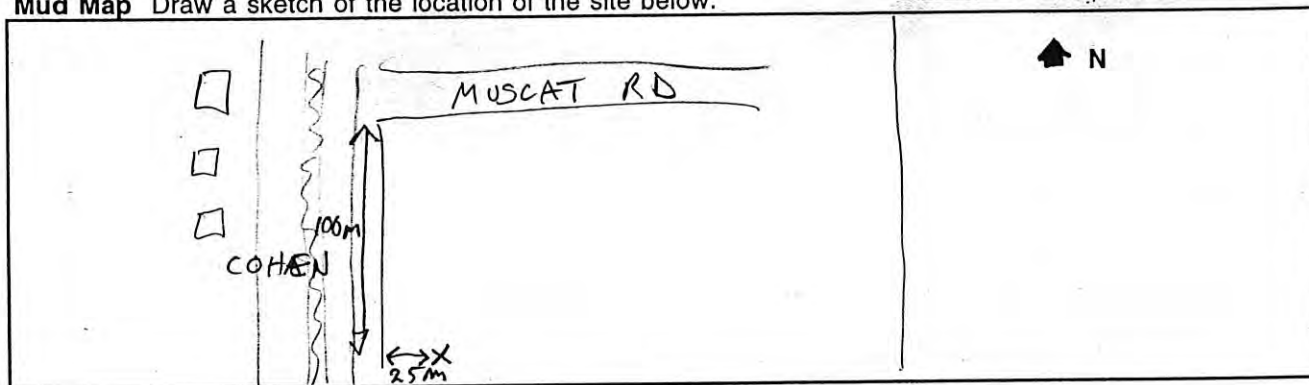
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA MERREDIN PIONEER CEM SITE NUMBER M2 *see also M2PC*
 DATE TRIP 20 SEPT 97 RECORDERS JACQUIE MILNER
 DATE TRIP 20 SEPT 97 RECORDERS David Gerlick
 DATE TRIP _____ RECORDERS _____
 BOTANIST S

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 COHEN ST (N-S) MUSCAT (E-W)

Geographic Location Latitude 31° 29' 40" S Longitude 118° 16' 08" E Altitude

Reference Map

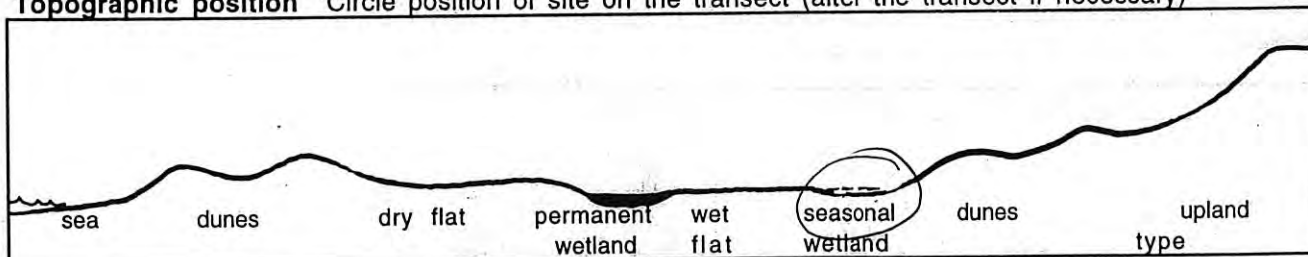
31° 29' 24" (34)

118° 16' 04.8" (63)

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 CLAY Colour GREY YELLOW
 Exposed rock type % surface

Sub-surface Soil CLAY Colour
 Rock type depth to rock

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

Litter Depth 30 % cover
 Bare Ground 70 % 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		MALLEES		
		over 30m	10 - 30m	under 10m	over 8m	under 8m
LIFE FORM						
COVER CLASS (%)						70% 20
DOMINANT SPECIES						EUCALYPTUS ALLOCAURINA
		SHRUBS		SHRUBS		
		over 2m	2m - 1m	under 1m		
LIFE FORM						
COVER CLASS (%)		50%	10%	50%		
DOMINANT SPECIES		ALLOCAURINA	ACACIA	MYRTACEAE		
		GRASSES		SEDGES		
		HERBS		OTHER		
LIFE FORM						
COVER CLASS (%)		10%	10%	30%		
DOMINANT SPECIES			FRESIAS			

4. VEGETATION CONDITION

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

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No M2 PC2

Date 20 SEPT 97

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

Record on Sheet

POST IN NE CORNER

- 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	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
✓ <i>SANTALUM acuminatum</i> ADJ	4		✓	? <i>CRYPTANDRA</i> (see 15)	23		?	~~<i>ALODANTHE LAEVIS</i>~~	56	✓	✓
				<i>Beyeria brevifolia</i> var. <i>robustior</i>	38		✓	<i>Trachymene CYANOPETALA</i>	52		✓
				<i>Baeckea crispiflora</i> adj	37	✓	✓	<i>Psammomoxa CHORETROIDES</i> adj	53		✓
				<i>Calytrix breviseta</i> ^{SUBSP. STIPULOSA} adj	40	✓	✓	<i>Caladenia roei</i> N.C. adj	56		✓
				<i>Acacia fragilis</i> adj	41	✓	✓	<i>Jacksonia nematocladia</i> adj	57	✓	✓
				<i>Schoenus caespitosus</i> as for 22	44			<i>Cape Weed</i> <i>Arctotheca calendula</i> adj	58	✓	✓
				<i>BRACHYDIA MASE</i> <i>CHAMPA</i>	45		✓	<i>Pyrola</i> ADJ	60	✓	
✓ <i>EUCALYPTUS burracoppensis</i>	1	✓	✓	<i>Grevillea apiculata</i> adj	59	✓	✓	<i>Waitia PLUMBIATA</i>	62	✓	✓
"				GRASSES white/pink adj	63	✓					
				<i>Neurachne alopecuroides</i> ?	25	✓	✓				
				<i>AMPHIPOGON CATICINUS</i>	31	✓	✓				
				<i>AMPHIPOGON CATICINUS</i>	32	✓	✓				
SHRUBS				? WEED (stay with no spelman)	34	✓					
<i>ALLOCASUARINA</i> ① <i>ACUTIVARUS</i>	2	✓	✓	OATS adj	42	✓		SEDGES			
" ② "	3	✓	✓					? <i>ULARIA MURALIS</i> (No spec)	20		✓
" ③ <i>CAMPESTRIS</i>	4	✓	✓						32		
" <i>corniculata</i>	5	✓	✓					<i>Dianella revoluta</i>	39		✓
" ④ <i>campestris</i>	6	✓	✓					<i>LEPIDOBOLUS PREISSIANUS</i>	43	✓	✓
✓ " ⑤ <i>ACUTIVARUS</i>	7	✓	✓					<i>LEPIDOSPERMA</i> SP. J. Island flat adj	46	✓	✓
" ⑥ <i>CAMPESTRIS</i>	8	✓	✓	HERBS				<i>SPARTOCHLOA SCIRPOIDEA</i> adj	54	✓	✓
<i>ACACIA gularis</i> ~~adj. ante~~	9	✓	✓	<i>Stylidium breviscapum</i>	24	✓	✓				
<i>Allocasuarina</i> ⑥ <i>campestris</i>	10	✓	✓	<i>Lawrencella ROSEA</i>	26	✓	✓				
✓ " ⑦ "	11	✓	✓	~~<i>RHOIS</i>~~ <i>MANGLESII</i>	27	✓	✓				
<i>Melaleuca cordata</i>	12		✓	<i>Thysanotus PATERSONII</i>	28	✓	✓				
<i>Grevillea TERETIFOLIA</i>	13	✓	✓	<i>Scaevola RESTIACEA</i> ^{26. Festiacea}	29	✓	✓				
<i>BECKEA GRANDIFLORA</i>	14	✓	✓	<i>Freesia</i>	30	✓	✓				
<i>GREVILLEA ACACIIDES</i> ?	15		✓	<i>Stylidium</i> ?	35		✓	ADJ.			
<i>Leucopogon hamulosus</i>	16	✓	✓	<i>Drosera subhyrtella</i>	36		✓	<i>PHEBALIUM TUBERCULUM</i>			✓
<i>Phebalium TUBERCULOSA</i>	17		✓	<i>Caladenia varians</i> N.C.	55		✓	<i>PHEBALIUM MEGAPHYLLUM</i>			✓
✓ <i>PLATYSACE effusa</i>	18		✓	<i>Borua CONSTRICTA</i> adj	47	✓	✓				
✓ <i>Grevillea paradoxa</i>	19	✓	✓	<i>POESTEOSPERMUM CAADESTINUM</i>	48	✓	✓				
<i>Verticordia CHRYSANTHA</i>	21	✓	✓	<i>Hapochloa glabra</i> adj	49	✓	✓				
? <i>JACKSONIA nematocladia</i>	22	✓	✓	<i>HYPOSPERMA DEMISSUM</i>	50	✓	✓				

Chamelium pauciflorum also 22? ✓

CRYPTANDRA APETALA var. *ANOMALA* 25? ✓

MPC2

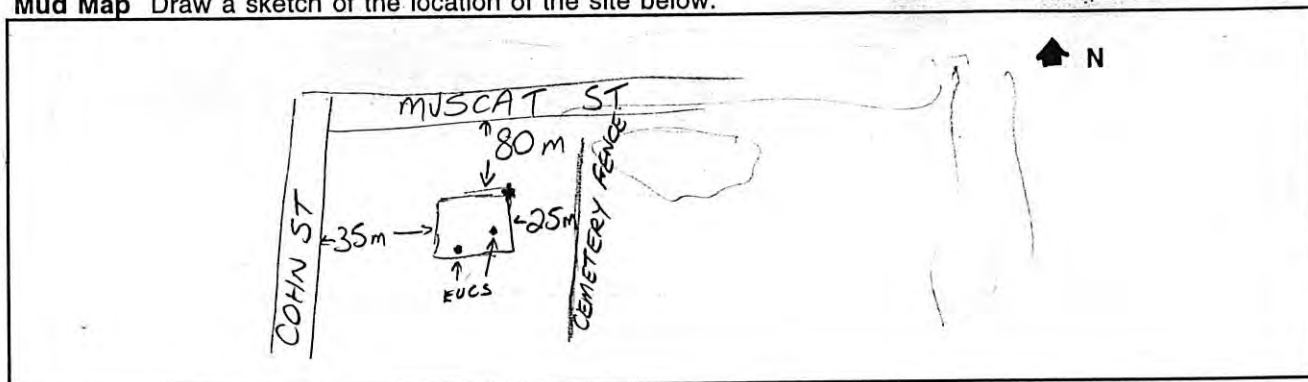
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA MERREDIN PIONEER CEMETERY SITE NUMBER MERR 3
 DATE TRIP 20-9-97 RECORDERS A.B. TS. H.A. B.P. P.C. M.B. G.T. J.M.C.
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST ANN GUNNESS

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 COHN ST.

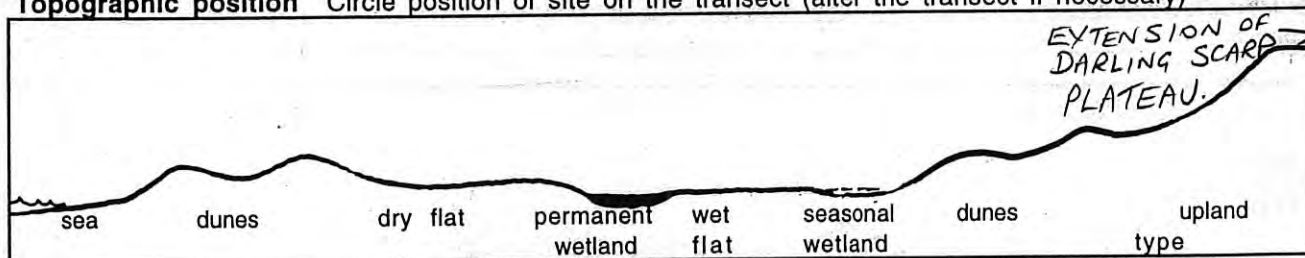
Geographic Location Latitude 31° 29' 36" S Longitude 118° 16' 09" E Altitude

Reference Map 31° 29' 21.6" (22) 118° 16' 05.4" 05

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 LOAMY SAND / LATERITE PEBBLES.

Colour BROWN.

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 5 % cover

Bare Ground 40-50 %cover

Depth 1 cm

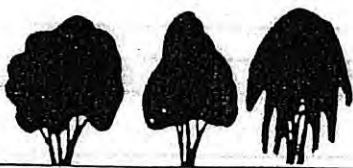
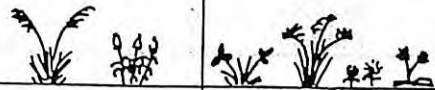
BUSHLAND PLANT SURVEY RECORDING SHEET 2 - use pencil only

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						
	COVER CLASS (%)					< 5%
	DOMINANT SPECIES					EUC. SP. 1.
SHRUBS						
		over 2m	2m - 1m	SHRUBS under 1m		
LIFE FORM						
	COVER CLASS (%)	< 5%	10% - 15%	10%		
	DOMINANT SPECIES	ACACIA SP. 2.	GREY. PARADOXA. PERSOONIA	BAECKEA, VERTICORDIA		
			" DIDYMOBOTRYA	LEUCOPOGON		
			" APICILLOBA.	PETROLOMA		
GRASSES		HERBS		SEDGES		OTHER
LIFE FORM						
	COVER CLASS (%)	30-40%		< 2%		< 5%
	DOMINANT SPECIES	AMPHIPOGON.		WAITZIA		
		?Ecdiocola				

4. VEGETATION CONDITION

1	'PRISTINE'	COMMENTS NO WEED INVASION. (1 OR 2 FREESIAS)
2	EXCELLENT	
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 MERR 3.

Record on Sheet

Date 20-9-97

- 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	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
MALLEES											
<i>Eucalyptus circumplicata subsp. rem.</i>	1	✓	✓								
<i>Euc. burracoppensis</i> adj			✓	GRASSES							
				AMPHIPOGON CARICINUS var. CARICINUS	10	✓	✓				
				~~PARA~~ CARYOPHYLLACEA	11	✓	✓				
SHRUBS				TALL GRASS = STIPA ELEGANTISSIMA	24	✓	✓				
ACACIA YORRAKINENSIS ACALTA	2	✓	✓	NEURACHNE alopecuroides	33	✓	✓				
GREVILLEA Apiciloba	3	✓	✓	MONDORHAEUS PARADOXUS	34	✓	✓	SEDGES			
GREVILLEA didimobotrya	4	✓	✓	Spartochloa scirpoides	35	✓	✓	<i>Ecdiocollea monostachya</i>	35	✓	✓
PERSOONIA striata	5	✓	✓					<i>Schoenus hexandrus</i>	37	✓	✓
BAECKEA grandiflora	6	✓	✓	HERBS							
GREVILLEA paradoxa	7	✓	✓	Dianella revoluta var. revoluta	9	✓	✓				
ASTROLOMA serratifolium horridulum	8	✓	✓	THYSANOTUS PATERSONII	16	✓	✓	ADS.			
LEUCOPOGON hamulosus	12	✓	✓	WAITZIA ALUMINATA VAR. ALUM.	17	✓	✓	JACKSONIA nematoclada	19	✓	✓
VERTICORDIA CHRYSANTHA	13	✓	✓	Velleia CYCNOTRAMILA	18	✓	✓	ACACIA LASIOCALYX	26	✓	✓
PARITYSACEA EFFUSA - LIT	14	✓	✓	infertile indeterminate	20	?	✓	PERSOONIA saundersiana	27	✓	✓
CRYPTANDRA AETHEA var. ANOMALA	15	✓	✓	LOPERCULARIA URGINATA	21	✓	✓	SCAEVOLA restiacea subsp. restiacea	29	✓	✓
PSAMMAMOYA choretroides	28	✓	✓	LAURENCEA ROSEA	22	✓	✓	GREVILLEA excelsior	32	✓	✓
				Asteracea - infertile ^{Blennospora?} ^{Arctostaphylos?}	23	✓	✓	TINY RED HERB.	38	✓	✓
				FREESIA AFF LEICHTLINI	25	✓	✓	BAECKEA crispiflora	40	✓	✓
				LOPERCULARIA URGINATA	30	✓	✓	ACACIA FRAGILIS	41	✓	✓
				STYLIDION ? BULBIFERUM ?	31	✓	✓	HIBERTIA glomerosa	42	✓	✓
				COMESPERMA integerrimum (yellow flowers)	39	✓	✓	ACACIA BEAUVERDIANA	43	✓	✓
								SANTALUM acuminatum	44	✓	✓
								PHEBALIUM megaphyllum	45	✓	✓
								EUCALYPTUS RIGIDULA	46	✓	✓

opp = Euc. rigidula.

subsp. restiacea

(Stan has spec)

mcd3

MPC 4

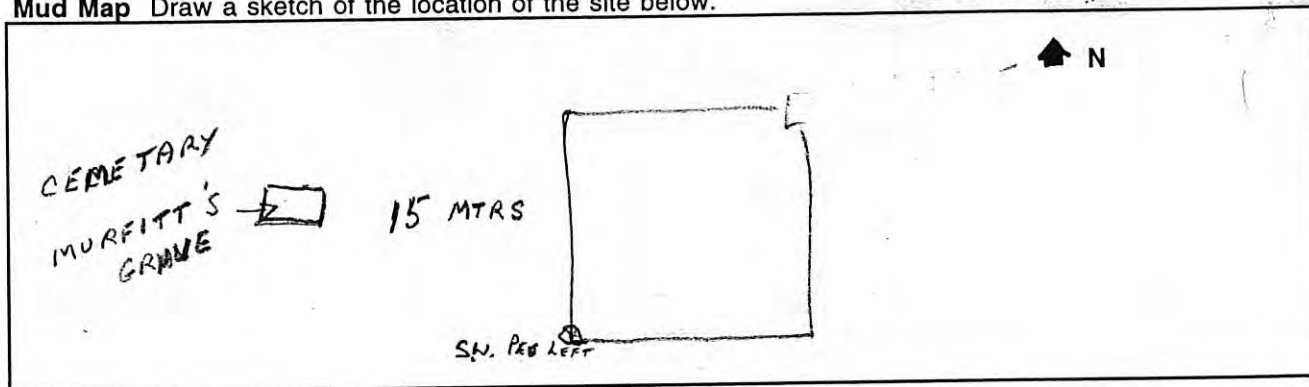
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA MERREDIN PIONEER CEMETARY SITE NUMBER MPC 4
 DATE TRIP 20-9-97 RECORDERS M.P. A.B. R.G. S.F. G.T. HA
 DATE TRIP _____ RECORDERS 11
 DATE TRIP _____ RECORDERS _____
 BOTANIST ANN GUNNESS

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.



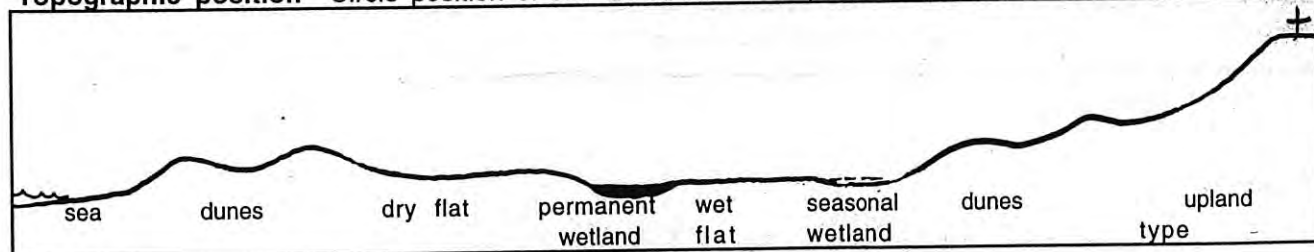
Road Location

Geographic Location Latitude 31 29 28 S Longitude 118 16 18 E Altitude

Reference Map 31°29'16.8" (17) 118°16'10.8" (11)

Photograph Photographer's Name _____ Photo No _____

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



2. SITE DATA Circle the correct response.

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

Surface Soil GRAVELY LOAM **Colour** LT BROWN
Exposed rock type _____ % surface _____

Sub-surface Soil SAME **Colour** SAME
Rock SMALL type OUTCROP CONG. depth to rock _____

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

Litter 5 % cover **Bare Ground** 35 %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						
		30m				10m
COVER CLASS (%)		NO	NO	NO	NO	NO
DOMINANT SPECIES						
		SHRUBS		SHRUBS		
		over 2m	2m-1m	under 1m		
LIFE FORM						
		2m		1m		
COVER CLASS (%)		20%	15%	15%		
DOMINANT SPECIES		TEATREE	GREVILLEA PARADOXA	BÆCKERA		
		GRASSES	HERBS	SEDGES	OTHER	
LIFE FORM						
		1m				
COVER CLASS (%)		5%	<1%	5%		
DOMINANT SPECIES						

4. VEGETATION CONDITION

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

Very few weeds - wild oast, freycias, cope tulip.

mpcφ4

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.

				Column 4	Identification check							
TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID	
								*OSTEOSPERMUM CLANDESTINUM	42	✓	✓	
								BRENNOSEPA DRUMMONDII	43	✓	✓	
								~~AUSTROBACCE DUGINGOSUM~~ CAMP	46	✓	✓	
								VELLEIA ECHNOPOTAMICA NOT 32	?	✓	✓	
MALLEES												
				GRASSES								
				AMPHIPOGON CAYICIANUS Vay. CAYICIANUS	14	✓	✓					
				Pentastichis arvoidea (NOT DISTINCT HAIRS)	15	✓	✓					
				~~RIVOLPIA MURARIS~~ (R)	29	✓	✓	Spartochloa scirpoides	27	✓	✓	
SHRUBS				IRIDACEAE HOMERIA MINIATA	31	✓	✓	SEDGES				
Leptospermum ROSEI	1	✓	✓	WILD OAT - AVENA	35			Lepidospermum bUNONIUM	25	✓	✓	
ACACIA FRAGILIS	2	✓	✓	ASTERACEAE HYPOCHOERIS GLABRA	36	✓	✓	SEDGE Echeirolea microstachya	26	✓	✓	
GREVILLIA PARADOXA	3	✓	✓	GRASS STIPA EGALANTISMA	37	✓	✓					
BEACKEA GRANDIFLORA	4	✓	✓	GRASS ANSTIPA ELEGANTISSIMA	38	✓	✓	SIAMAEYEROS FIMBRATA	34	✓	✓	
BEACKEA CRISPILLOVA	5	✓	✓	BIONACHATHER PARADOXUS	39	✓	✓	SEDGE SCHOENUS HEXANDRUS	44	✓	✓	
ASTROLOMIA SERRATIFOLIUM	6	N/A	✓	HERBS								
PERSONIA SAUNDERIANA	7	✓	✓	HERB Crassula COERATA sp ALUMINATA	16	✓	✓					
ARATISACE ERANSALIVE	8		✓	DROSERA macrantha subsp. macrantha	18		✓					
LEUCOPOGON hamulosus	9		✓	Freesia NO SPEC	19	✓	✓	(ADJ)				
GACACIA SP.	10	?		FRANKLINELLA ROSA	20	✓	✓	APODELEPHS-CATHARIS-TE	45	✓	✓	
PSAMMOMOXIA CHORETROIDES	11	✓	✓	BORYA	21	✓	✓	ACACIAS (5-6)	47	✓	✓	
PERSONIA STRIATA	12		✓	FLATWEED Hypochaeris glabra	23	✓	✓	Acacia fragilis		✓	✓	
GREVILLIA ACACIAOIDIES	13		✓	BRIZA maxime	24	✓	✓	Acacia yolkraminensis		✓	✓	
SCAEVOLA RESTIACEAE	17		✓	TRACHYMENE ORNATA	28			Acacia sp longispinea		✓	✓	
JACKSONIA NEMATOCALADA	22	✓	✓	WAITZIA acuminata	30	✓	✓	Acacia sp HEMITELES		✓	✓	
				SCAEVOLA	32	✓	✓	Acacia BRAUVERDIANA		✓	✓	
				SUCCULENT - Indeterminate	33	?		CALA DENIA incensa		✓	✓	
				IRIGANTHE LAEVIS	40	✓	✓					
				*Ursinia anthemoides	41	✓	✓					

MPC05

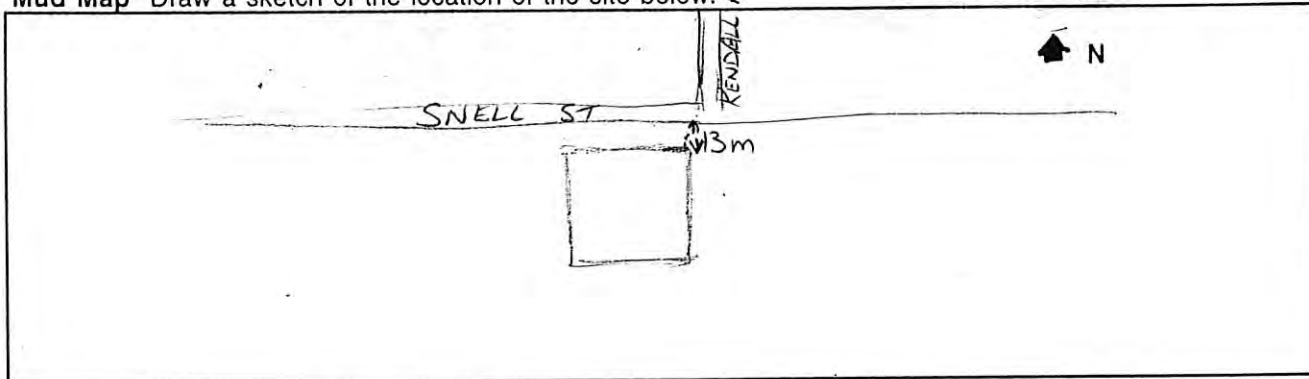
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA MERREDIN. SNELL ST RESERVE. SITE NUMBER SRM 1.
 DATE TRIP 20-9-97 RECORDERS T.S. S.G+DG. N.C. J.M.
 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.



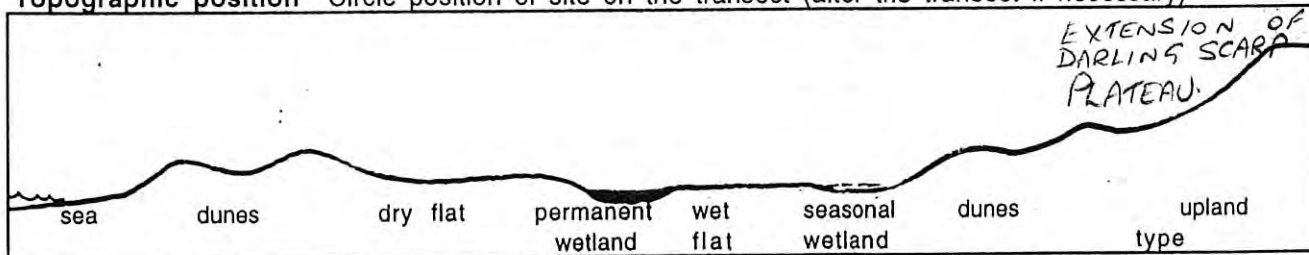
Road Location SNELL ST.

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 LOAMY SAND **Colour** BROWN.
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 60 % cover **Bare Ground** 20 %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		10m. 	 		
COVER CLASS (%)		70%	< 5%	7	5%
DOMINANT SPECIES		EUC. SP	QUANDONG		EUC. SP
	SHRUBS		SHRUBS		
	over 2m	2m-1m	under 1m		
LIFE FORM	  	  	   		2m 1m
COVER CLASS (%)			5%		
DOMINANT SPECIES			DAISY(?)		
	GRASSES	HERBS	SEDGES	OTHER	
LIFE FORM	 	  	  	moved 1m	
COVER CLASS (%)	1%	20%	< 5%		
DOMINANT SPECIES		RHAGODIA. MARIANTHUS. Westringia			

4. VEGETATION CONDITION

1	'PRISTINE'	COMMENTS
2	EXCELLENT	
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 SNELL 1.

Record on Sheet

Date 20.9.97

- 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	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
EUC. erythronema	1		✓								
EUC. VIGARNIENSIS	2		✓								
EUC. SP. BARK ONLY	3										
SANTALUM ACUMINATUM	4		✓								
MALLEES											
				GRASSES							
				POSTIPA ELEGANTISSIMA	15	✓	✓				
				POSTIPA ELEGANTISSIMA	16	✓	✓				
SHRUBS				AUSTRODANTHONIA CAESPITOSA	17	✓	✓				
RHAGODIA PREISSII subsp. PREISSII	5	✓	✓	*OATS. - WEED Avena barbata	18	✓					
OLEARIA (MUEHLER)	6	✓	✓					SEDGES			
ACACIA ANCISTROPHYLLA	7		✓								
ATROPIS HANNIBOLA OR SEMI BACCATA	13		✓								
WESTRINGIA CEPHALANTHA	34		✓								
				HERBS							
				ENCHYLAENA LANATA	3	8	✓	ADS.			
				Maireana TRICHOPTERA	9	✓		PTILOIUS HOLOSERICUS	24	✓	✓
				ENCHYLAENA LANATA	10	✓		MICROPTERUM PAPULOSUM	25	✓	✓
				ENCHYLAENA LANATA	11	✓		ACACIA BRINACEA	26	✓	✓
				SOLERODIENA UNIFLORA	12	✓		EREMOPHILA drummondii	27	✓	✓
				SARCOZONIA PIRACOX	14	✓		EREMOPHILA oppositifolia	28	✓	✓
				Brassica tournefortii	19	✓		PAVESIA benthamii, sp. anthracina	29	✓	✓
				MESEMBRYANTHEMUM NODIFLORUM *	20	✓		GREVILLEA HUEGELLI	30	✓	✓
				CHAMADRINIA CALYPTRATA	21	✓		ACACIA ANCISTROPHYLLA	31	✓	✓
								ISENOCIO GLOSSANTHUS	32	✓	✓
				Crassula colorata sp. acuminata	23	✓		WARSOWIA HUMILIS (CONVOLVULACEAE)	33	✓	✓
								ACACIA MERRALLII (2 spec)		✓	✓

OPP. HIBBERTIA GLOMEROSA ✓
OPP. DAMIERI HAEMATOTRICHIA ✓

MP45

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

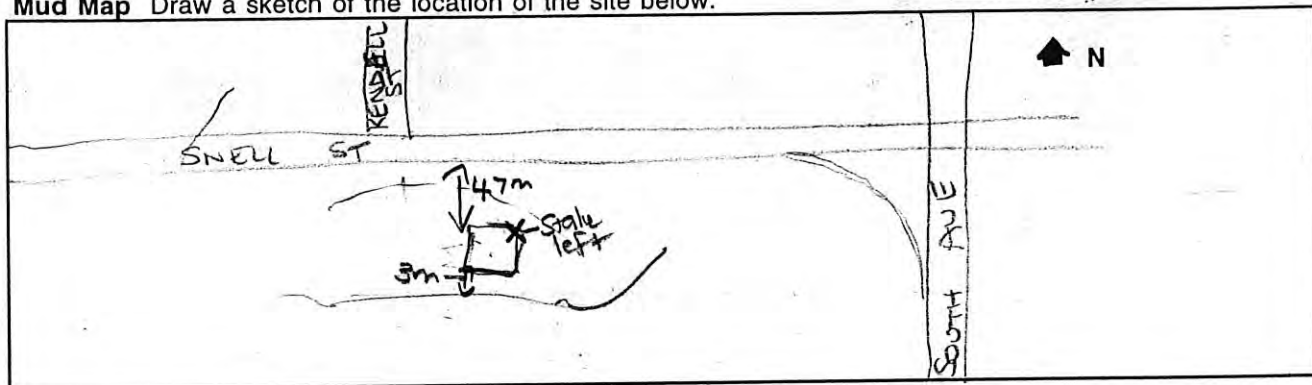
MERRIDIN

BUSHLAND AREA SNELL ST RESERVE SITE NUMBER SNELL 2
 DATE TRIP 20-9-97 RECORDERS Elaine VanZwam, Sean McFarlane, Ann Holmes
 DATE TRIP _____ RECORDERS Stan Webster, Barbara Payne
 DATE TRIP _____ RECORDERS _____
 BOTANIST Ann Guinness

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.

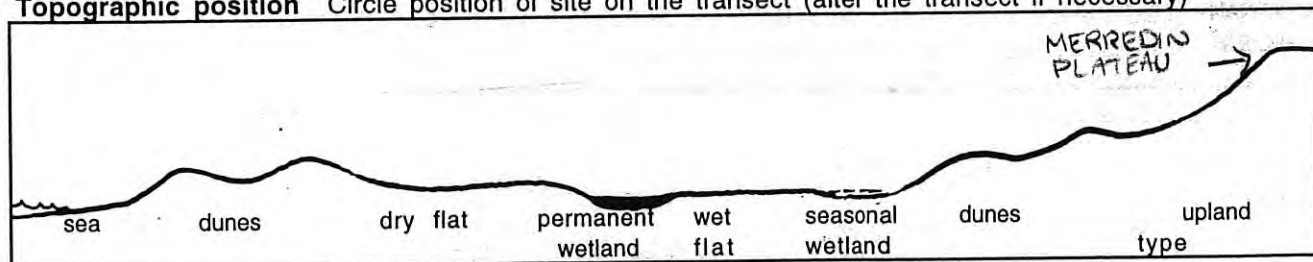
Road Location SNELL ST.

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 ☒ NWSurface Soil LOAM, IRONSTONE PEBBLES SCATTERED Colour BROWN
 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	10-30 % cover	Bare Ground	30-40% cover
Depth	0-1 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						30m	10m
COVER CLASS (%)							
DOMINANT SPECIES							

SHRUBS		SHRUBS	
	over 2m	2m - 1m	under 1m
LIFE FORM			
COVER CLASS (%)	APPROX 10%	30 - 40%	
DOMINANT SPECIES	CASURINA SPI	CASURINA CAMPESTRIS	HIBBERTIA ENSINATA
	ACACIA ACUMINATA	HAKEA	DODONAEA
	longispina.	ASTRALOMA SERRATA	CRYPTANDRA

GRASSES		HERBS		SEDGES		OTHER	
LIFE FORM							
COVER CLASS (%)	22%	5-10%	10%				
DOMINANT SPECIES	NEURACHNE	DROSERA	SEDGE SP				
		BORHA					

4. VEGETATION CONDITION

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

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No SNELL 2

Date 20-9-97

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.

[illegible]

mpcφ6

MAC07

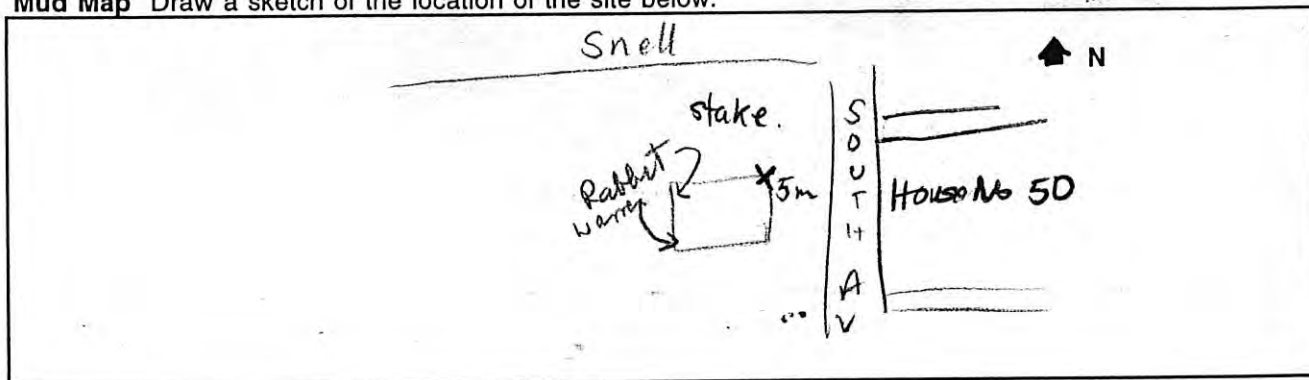
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA SNELL ST. MERREDIN SITE NUMBER S 43
 DATE TRIP 20/9/97 RECORDERS M.P. AG, SF, RG.
 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.

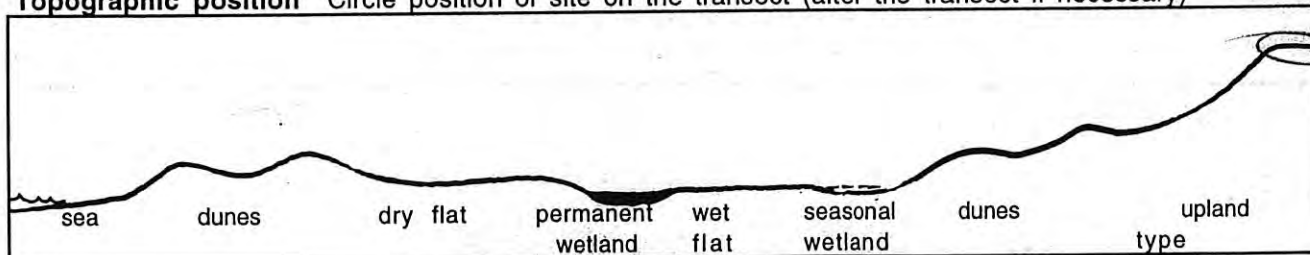


Road Location

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 Sand **Colour** yellow
Exposed rock type Bas % surface yellow

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

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

Litter Depth 70 % cover 2-3 cm **Bare Ground** 5-10 %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			MALLEES	
	over 30m	10-30m	under 10m	over 8m	under 8m
LIFE FORM			 		
COVER CLASS (%)				30-70. →	→
DOMINANT SPECIES				Burracopanensis →	Acacia

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

	GRASSES	HERBS	SEDGES	OTHER
LIFE FORM	 	  	  	
COVER CLASS (%)	30-70	<2	—	
DOMINANT SPECIES	Wild oats? / not on list Vetiv. grass? perhaps			

4. VEGETATION CONDITION

1	'PRISTINE'	COMMENTS many weeds, rubbish + rabbit warren
2	EXCELLENT	
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

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- From 'Bushland'

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.

[illegible]

MPC 07

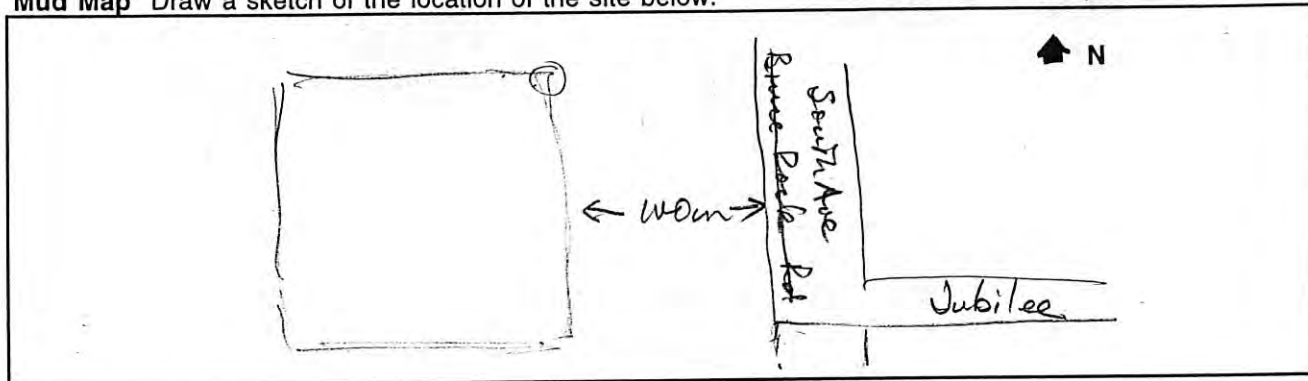
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Mannedin - SNELL ST. RES. SITE NUMBER SNELL 4
 DATE TRIP 20 Sept 97 RECORDERS D Garlick, S Garlick
 DATE TRIP _____ RECORDERS N. Crisp Jacqui M.
 DATE TRIP _____ RECORDERS Lopon
 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.



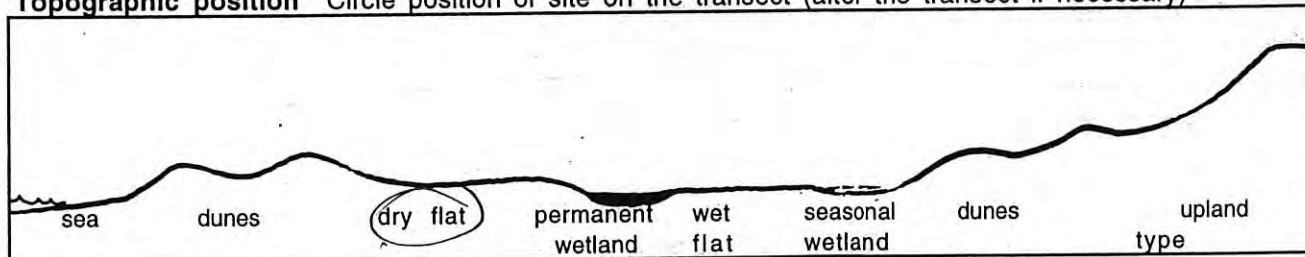
Road Location

Geographic Location Latitude _____ 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 clay Colour yellow/red/brown
 Exposed rock type laterite gravel % surface _____

Sub-surface Soil clay Colour yellow/red/brown
 Rock type _____ depth to rock _____

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

Litter Depth 25 % cover _____ 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 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 (%)						
DOMINANT SPECIES						
		SHRUBS			SHRUBS	
		over 2m	2m - 1m		under 1m	
LIFE FORM		  	  		   	
COVER CLASS (%)		5%	30%		melaleuca 30%	
DOMINANT SPECIES		granitella basilina	melaleuca			
		GRASSES		HERBS	SEDGES	OTHER
LIFE FORM		 		  	  	
COVER CLASS (%)		20%		15%	30%	
DOMINANT SPECIES						

4. VEGETATION CONDITION

1	'PRISTINE'	COMMENTS
2	EXCELLENT	
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 S 4
Date 20 Sept 97
Meredith

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	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
				~~CRYPTANDRA APETALA~~ VAR ANOMALA	43	✓	✓	~~BORRYA CONSTRICTA~~ ADJ.	41	✓	✓
				~~Grevillea paradoxa~~ ✓ ADJ	45	✓	✓	~~Dioscorea~~ ? LONRUEL ^{COLLECTED} ^{FLORER JUNE-AUG}	44	-	✓
				~~Acacia FRAGILIS~~ X DJ	46	✓	✓	~~Solanum~~ ~~Oralis~~ ~~PT~~ ~~ADJ~~ ? ~~Indium~~	48	✓	✓
				~~ANASTROPHIA~~ ~~PROCNICKATA~~ ADJ	47	✓	✓	* ~~OSIOSPERMUM~~ ~~CLANDESTINUM~~	49	✓	✓
				~~HYDANTHUS~~ ~~FLORIBUNDUS~~ SUBSP. FLORIBUNDUS ADJ	50	✓	✓	~~THELYMITRA~~ SP (NO SPEC)			✓
				~~Astartea heterantha~~ ADJ	51	✓	✓	~~VELLEIA~~ ~~CYCHOPOTAMICA~~ NOT 28	?	✓	✓
MALLEES								~~DIUNIS~~ SP AFF CORYMBOSA (NO SPEC)			
				GRASSES							
				* ~~Ehrharta longiflora~~	14		✓				
				~~ANTHRISOPOGON~~ ~~ARTICINUS~~	15	✓	✓				
				~~AUSTRODANTHONIA~~ ~~LESPITOSA~~	16	✓	✓				
SHRUBS				~~ANASTIA~~ ~~ELEGANTISSIMA~~	19	✓	✓				
~~Grevillea~~ ~~ERIOBOTRYA~~ ✓	1	✓	✓	* ~~VULPIA~~ ~~MURALIS~~	23		✓	SEDGES			
~~Hakea~~ ~~SCOPARIA~~ ^{MINIMATA}	2	✓	✓	? ~~BAG~~ N/S	26		?	~~ELEDIOLOLEA~~ ~~MONOSTACHYA~~	12	✓	✓
~~Acacia longispinea~~ ✓	3	✓	✓					~~SPARTOCHLOA~~ ~~SCIRPOIDEA~~	13	✓	✓
~~melaleuca uncinata~~	4	✓	✓								
~~Allocasuarina acutivalvis~~ subsp. princepsiana	5	✓	✓								
~~Calathamnus gilesii~~	6	✓	✓	~~ENCHYLAENA~~ ~~LANATA~~			✓				
~~melaleuca cordata~~ ✓	7	✓	✓	HERBS							
~~Baeckea elderiana~~	8	✓	✓	~~Shorea~~ ? ~~LANKENELLA~~ ~~ROSEA~~	17	✓	✓				
~~Marranthus erubescens~~ ✓	9	✓	✓	~~Waitzia~~ ~~ACUMINATA~~	18	✓	✓				
~~PLATYSACE~~ ~~EFFUSA~~	10	✓	✓	~~BORRYA~~ ~~CONSTRICTA~~	21	✓	✓				
~~BECKEA~~ ~~MURICATA~~	11	✓	✓	~~Stroemia~~ ~~macrantha~~ subsp. ~~macrantha~~	24		✓				
~~Hebertia~~ ~~lanceolata~~	20	✓	✓	~~TRACHYMENE~~ ~~CYANOPETALA~~	25	✓	✓				
~~Leptospermum dowieoides~~	22	✓	✓	~~RHOPIANTHE~~ ~~LAEVIS~~	27	✓	✓				
* ~~Alyxia~~ ~~buxifolia~~	29	✓	✓	~~Dianella~~ ~~revoluta~~	28		✓				
~~CRYPTANDRA APETALA~~ VAR ANOMALA	31	✓	✓	~~ENCHYLAENA~~ ~~LANATA~~	30	✓	✓				
~~melaleuca uncinata~~ ADJ	35	✓	✓	~~LANKENELLA~~ ~~ROSEA~~	32	✓	✓				
~~Grevillea~~ ADJ ~~ERIOBOTRYA~~	36	✓	✓	~~PSAMMOMOYA~~ ~~CHORETROIDES~~	33		✓				
~~CRYPTANDRA APETALA~~ VAR ANOMALA	38	✓	✓	~~glochocarys~~ subsp. ~~angustifolium~~	34	✓	✓				
~~Grevillea~~ ~~Dialmoboxia~~ ADJ	40	✓	✓	~~GLENIOSTOMA~~ ~~DIAMONDII~~ ADJ	37	✓	✓				
~~Leptospermum~~ ADJ	42			~~Bibbulla~~ ~~GLOMEROSA~~	39	✓	✓				

mpc 88

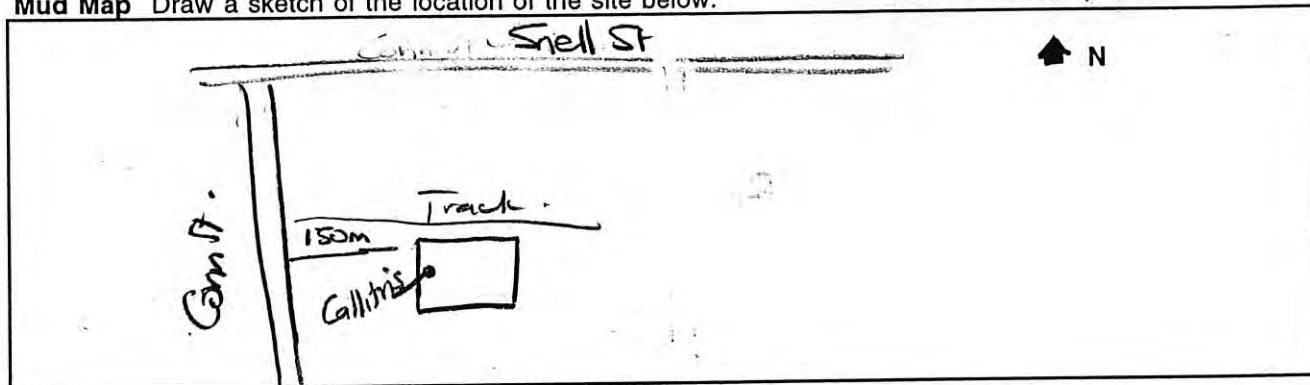
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA MERREDIN SNELL ST REDGUMS SITE NUMBER SNZLS
 DATE TRIP 20/9/97 RECORDERS Stan, Ann, Barbara, Anne, Tracy
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST Ann Guinness, Stan

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.



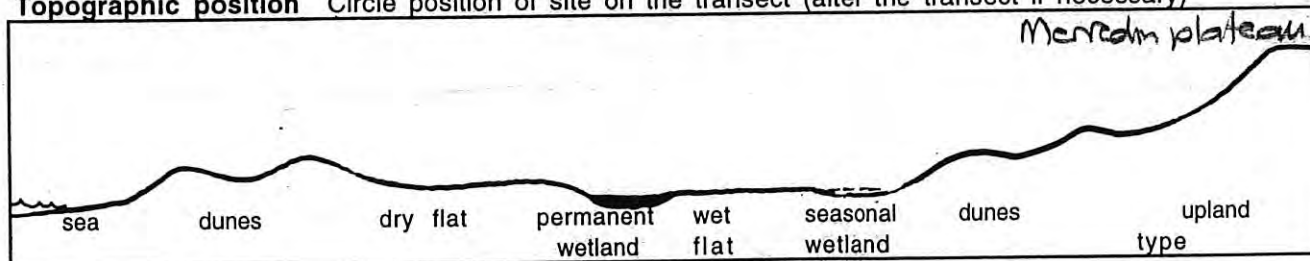
Road Location Cann St / Snell

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 loam (with sand) with scattered quartz Colour Brown
 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 20-30 % cover _____ Bare Ground 30-40% %cover _____
 Depth cm

with small branches.

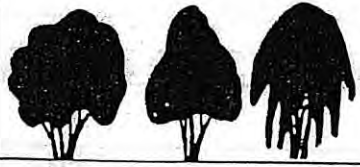
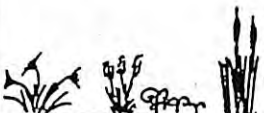
BUSHLAND PLANT SURVEY RECORDING SHEET 2 - use pencil only

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 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 (%)				20+%		
DOMINANT SPECIES				Callitris		
		SHRUBS		SHRUBS		
		over 2m	2m-1m	under 1m		
LIFE FORM						
COVER CLASS (%)		2-10%	2-10%	2-10%		
DOMINANT SPECIES		Casuarina (Tree) Melaleuca uncinata	Melaleuca radula Acacia kemula	Hibbertia uncinata Astroloma		
		GRASSES	HERBS	SEDGES	OTHER	
LIFE FORM						
COVER CLASS (%)		<2%	2-10%	2-10%		
DOMINANT SPECIES			Drosera Conostylis	Species A = Spontochloa		

4. VEGETATION CONDITION

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

Lots of litter about.
Veg in one state.

BIISHI AND 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 SNELLS.

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.

Date 20/9/97.

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Callitris glaucophylla</i>	1		✓					~~Gymnoscelus adroandrus~~ DYERII	44	✓	✓
MALLEES											
				GRASSES							
				<i>Amphipogon caricinus</i>	11		✓				
				<i>Austrodactyloctenium laspidotum</i>	12	✓	✓				
				<i>Neurachne alopecuroides</i>	13	✓	✓				
SHRUBS				* <i>Pentaschistis airoides</i>	17	✓	✓				
<i>Melaleuca uncinata</i>	2		✓	<i>Aspera elegantissima</i>	18	✓	✓	SEDGES			
<i>Casuarina campestrioides</i>	3		✓					<i>Spartochloa scirpoidea</i>	29	✓	✓
<i>Melaleuca radula</i>	4	✓	✓					<i>Caladenia flaccida</i> ssp <i>flaccida</i> AUL.	30	✓	✓
<i>Acacia vernicula</i>	5		✓								
<i>Flyxia buxifolia</i>	6		✓								
<i>Astroloma serratifolium</i>	7		✓					BRACHYSOME PERPUSIA (ADJ)		✓	✓
<i>Hibbertia uncinata</i>	8		✓	HERBS				<i>Adiantum</i>			
<i>Rhapodia PREISSII</i> subsp. <i>PREISSII</i>	9		✓	<i>Podolepis lessoni</i>	14	✓	✓	<i>Xylodermis demissum</i>	30	✓	✓
<i>Baeckea crispiflora</i>	10	bidi.	✓	<i>Bona sp constricta</i>	15	✓	✓	<i>Grevillea speciosa</i>	31	✓	✓
				<i>Lawrencea rosea</i>	16	✓	✓	<i>Hakea scoparia</i>	32	✓	✓
				<i>Conospermum volubile</i>	19		✓	<i>Lepidosperma perfricans</i>	33	✓	✓
				<i>Drosera macrophylla</i> (<i>hamatrosella</i>)	20	✓	✓	<i>Dodonaea caespitosa</i>	34	✓	✓
				<i>Drosera macrantha</i> subsp. <i>macrantha</i>	21	✓	✓	<i>Phanostictis laevis</i>	35	✓	✓
				<i>Greydanys blennosporea drummondii</i>	22	✓	✓	<i>Velleia cyrenopotamica</i>	36	✓	✓
				<i>Oreocarya colorata</i> sp <i>acuminata</i>	23	✓	✓	<i>Santalum spicatum</i>	37	✓	✓
				<i>Weitzia acuminata</i>	24	✓	✓	<i>Gastrolobium parviflorum</i>	38	✓	✓
				<i>Pterostylis affnana</i> (Snail Orchid)	25	✓	✓	<i>Eucalyptus lanata</i> (monti)	39	✓	✓
				<i>Diuris</i> (SP. AFF CORYMOSEA)	26	✓	✓	<i>Diuris</i> SP AFF CORYMOSEA	40	✓	✓
				<i>Hydrocotyle callicarpa</i>	27	✓	✓				
				<i>Crasium pedunculare</i>	28	✓	✓				

* *Arctotheca calendula*.

* *Avena barbata*

* *Vulpia myuros*

mpc09

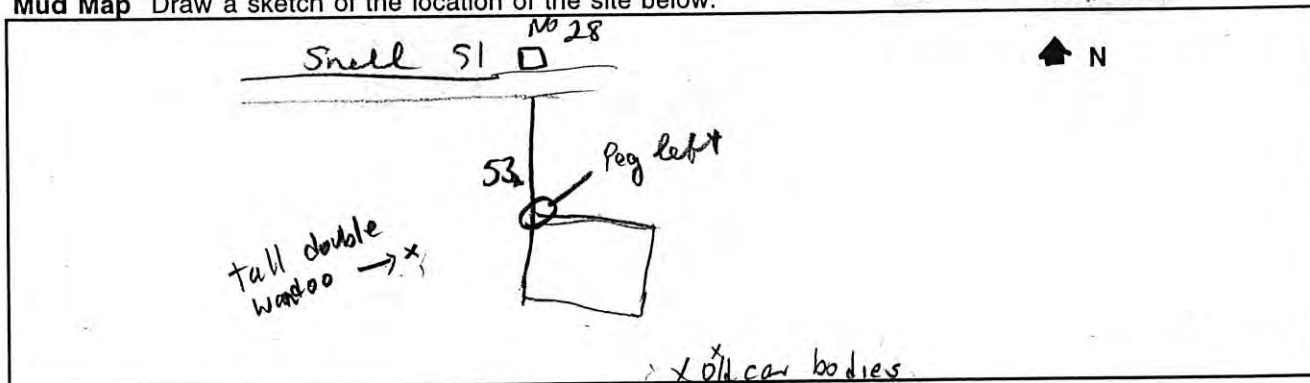
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Snell St Res. Meredi SITE NUMBER S 6
 DATE TRIP 21/9/97 RECORDERS AB, RG, SF MP
 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

31° 29' 43.8"

118° 16' 03"

Geographic Location Latitude S Longitude E Altitude

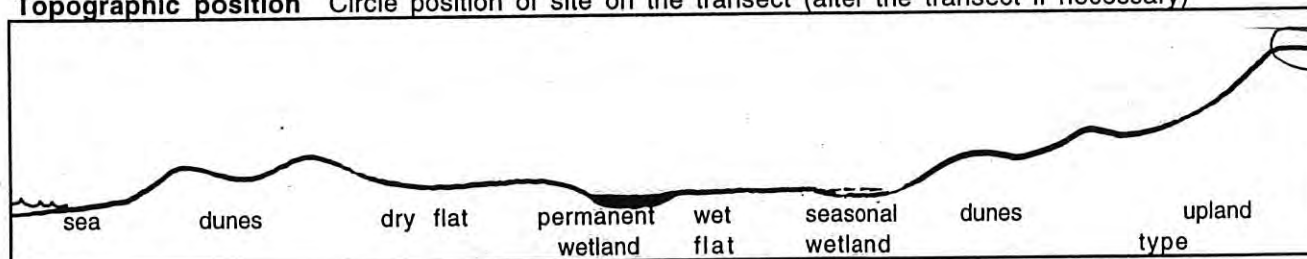
Reference Map

31. 29.73

118. 16.05. 371m

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 light clay Colour tan
 Exposed rock type % surface

Sub-surface Soil light clay Colour
 Rock type depth to rock brown

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

Litter 5 % cover
 Depth cm Bare Ground 40 % cover

P.T.O.

BUSHLAND PLANT SURVEY RECORDING SHEET 2 - use pencil only

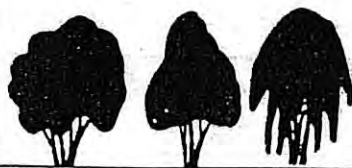
From '*Bushland Plant Survey*' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 64 Nedlands WA 6008.

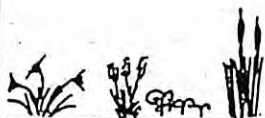
3. VEGETATION STRUCTURE AND COVER

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					
COVER CLASS (%)			2-10		
DOMINANT SPECIES			<i>allocasuarina acutivalvis</i>		

	SHRUBS		SHRUBS
	over 2m	2m - 1m	under 1m
LIFE FORM			
COVER CLASS (%)		10-30	10-30
DOMINANT SPECIES		<i>acacia neurophylla</i>	

	GRASSES	HERBS	SEDGES	OTHER
LIFE FORM				
COVER CLASS (%)	<2%	<2%	—	
DOMINANT SPECIES				

4. VEGETATION CONDITION

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

photobaker.

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			SHRUBS (cont.)			HERBS (cont.)		
No	FI	ID	No	FI	ID	No	FI	ID
1	✓	✓	25	✓	✓	38	✓	✓
2						39	✓	✓
						40	✓	✓
						44	✓	✓
MALLEES			GRASSES					
			23	✓	✓			
			24	✓	✓			
			41		✓			
			42		✓			
			43		✓			
			31		✓			
SHRUBS						SEDGES		
3	✓	✓						
4		✓						
5		✓						
6		✓						
7		✓						
8								
9		✓	HERBS			ADJ:		
10			Waitia ALUMINATA			Allocasuarina campestris		
11	✓	✓	LANCEOLA ROSEA			EREMOPHILA DYUMMONDII		
12		✓	OPERCULARIA VAGINATA			COMERSPERMA VOLUBILE		
13		✓	DROSERA MACRANTHA subsp. MACRANTHA			MELALEUCA UNCINATA		
14		✓	VELLEIA CYCLOPOTAMICA			DORYA CONSTRICTA		
15		✓	Carrot leaf			ENCHYLAENA LANATA		
16	✓	✓	RHODANTHE DAENIS ? 33			ARTHOPODIUM DYERII		
17		✓	Poranthera microphylla			Spartochloa scirpoidea		
18		✓	Wahlenbergia gracilentia			Acacia erinacea		
19		✓	small wild oats Avena barbata			Maireana carnosa		
20		✓	Phyllanthium sulcatum			Styphandra glauca NIS		
21	✓	✓	* VULPIA MURRAIS					
22		✓	SCAEVOLA RESTRICCA subsp. VESTICCA					

mpcid

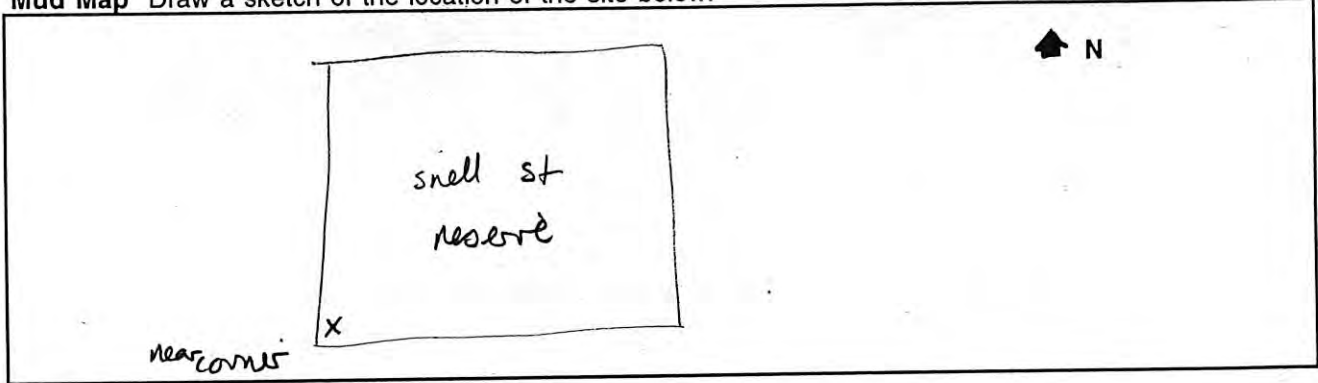
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA MERREDIN Snell St SITE NUMBER SNELL 7
 DATE TRIP 21-9-97 RECORDERS JM DG SG BP Lagen
 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.



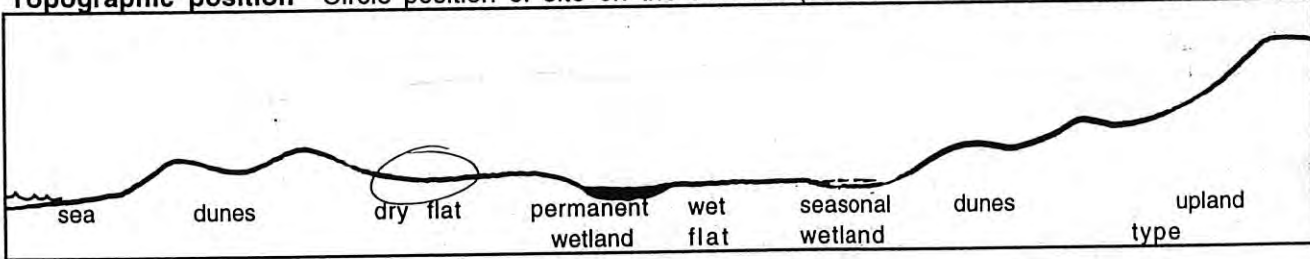
Road Location

Geographic Location Latitude 31° 29.73 S Longitude 118° 16.06 E Altitude _____

Reference Map 31° 29' 26.4" (44) 118° 16' 01.8" (03)

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 Clay **Colour** GREY BROWN
Exposed rock - type _____ % surface _____

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

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

Litter 60 % cover _____
 Depth 3 cm **Bare Ground** 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			MALLEES	
	over 30m	10 - 30m	under 10m	over 8m	under 8m
LIFE FORM			 		
COVER CLASS (%)		10-30%			10-30%
DOMINANT SPECIES		EUCALYPTUS			EUCALYPTUS
	SHRUBS		SHRUBS		
	over 2m	2m - 1m	under 1m		
LIFE FORM	  	  	   		
COVER CLASS (%)			2-10%		
DOMINANT SPECIES					
	GRASSES	HERBS	SEDGES	OTHER	
LIFE FORM	 	   	  		
COVER CLASS (%)	< 1%	15-20%			
DOMINANT SPECIES					

4. VEGETATION CONDITION

1	'PRISTINE'	COMMENTS Lichen + moss on bare ground
2	EXCELLENT	
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 SNELL 7

Record on Sheet

Date 21-9-97

- 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	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Eucalyptus salmonophloea</i>	12		✓								
OPP. <i>EUCALYPTUS</i>			✓								
OPP. <i>EUCALYPTUS</i>			✓								
OPP. <i>EUCALYPTUS</i> <i>ERYTHRONEMA</i> X2			✓								
OPP. <i>EUCALYPTUS</i> <i>SUBANGUSTA</i>			✓								
MALLEES											
<i>Eucalyptus erythronema</i>	1	✓									
<i>Eucalyptus calygonia</i>	2		✓	GRASSES							
				<i>AUSTIPA ELEGANTISSIMA</i>	17		✓	<i>Erodium cymosum ssp. cymosum</i> ady	41	✓	✓
								<i>Daviesia nematophylla</i> ady	39	✓	✓
SHRUBS								SEDGES			
<i>PARAGONIA PREISSII</i> RUBRO PREISSII	3		✓					<i>ALACIA ERINACEA</i>	38	✓	✓
<i>TEMPTERARIA SULLATA</i> (of pods small)	4		✓					<i>Acacia hemiteles</i> ady	37	✓	✓
<i>ARTIPLEX ANNULOLATA</i> SEMIBACATA	5		✓					<i>Ptilotus HOLOSERILEUS</i> ady	36	✓	✓
<i>MARICANA brevifolia</i> ? NO FRUIT	6		✓					<i>Proctotheca calendula</i> ady	33	✓	✓
<i>Eremophila deserti</i>	7		✓					<i>Glebaia MUELLERI</i> ady	32	✓	✓
<i>WIKSONIA HUMILIS</i>	40		✓	HERBS				<i>Osteospermum clandestinum</i> ady	31	✓	✓
				<i>ARTIPLEX CODONOCARPA</i>	7	✓	✓	<i>Eremophila drummondii</i> ady	30	✓	✓
				<i>MEIRIANA</i> (2) <i>GEORGEI</i>	9	✓	✓	<i>Alyxia boxifolia</i> ady	16	✓	✓
				<i>LEUCOMYLAENA</i> <i>LANATA</i>	10		✓	<i>MEIRIANA</i> <i>CAUDATA</i>	20		✓
				<i>MEIRIANA</i> (3) <i>TRICHOPTERA</i>	11	✓	✓	<i>Hordeum LEPORINUM</i> <i>GLAUCUM</i> ady	21	✓	✓
				<i>BOLEODORA UNIFLORA</i>	13		✓	<i>ARTIPLEX ANNULOLATA</i> OR <i>SEMIBACATA</i> ady	22		✓
				<i>*MESEMBRYANTHEMUM NODIFLORUM</i>	14		✓	<i>Euc. Sheathiana</i> ady	23		✓
				<i>SARCOZOA praecox</i>	15	✓	✓	<i>Grevillia Meunieri</i> ady	24	✓	✓
				<i>*MICROPTERUM PAPULOSUM</i>	18		✓	<i>BRASSICA TOURNEFORTII</i> ady	25	✓	✓
				<i>CRASSULA COLORATA</i> SP <i>ACUMINATA</i>	19	✓	✓	<i>RUENA FATUA</i> ady	26	✓	✓
				<i>SUCCULENT CRASSULA COLORATA</i> SP <i>ACUMINATA</i>	34	✓	✓	<i>EREMOPHILA TOMENTOSA</i> ady	27		✓
				<i>MEIRIANA</i> (4) <i>MARGINATA</i>	35	✓	✓	<i>ACACIA ANISTROPHYLLA</i> OR <i>CAUDATA</i>	28	✓	✓
								<i>Santalum acuminata</i>	29		✓

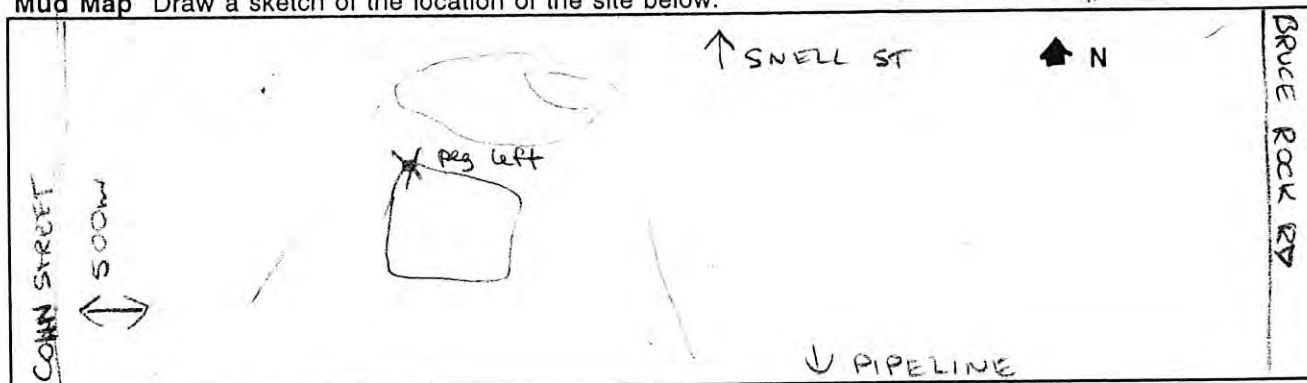
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA MERREDIN SNELL ST. RESERVE SITE NUMBER SNEL 8
 DATE TRIP 21-9-97 RECORDERS Heather Adamson, Glenys Teller, Ann Ho
 DATE TRIP _____ RECORDERS Phil Cahill, Elaine Van Zwan, Penny Van
 DATE TRIP _____ RECORDERS Carly Hewitt
 BOTANIST Ann Guinness

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 COHN STREET, SNELL ST

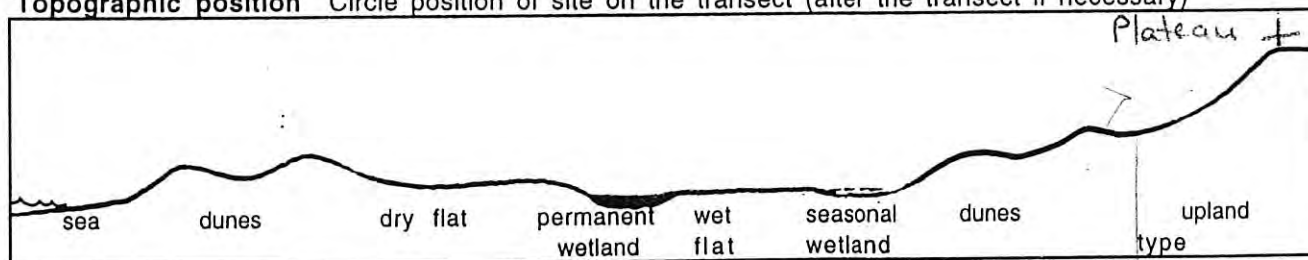
Geographic Location Latitude 31-29-38 S Longitude 118-16-18 E Altitude

Reference Map 31° 29' 22.8" (23) 118° 16' 10.8" (11)

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 CLAY Colour BROWN
 Exposed rock — type % surface

Sub-surface Soil CLAY Colour BROWN
 Rock — type depth to rock

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

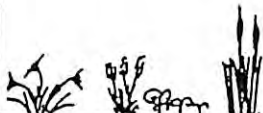
Litter 80 % cover Bare Ground 10 % cover
 Depth 5 > 1 cm

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.

	TREES			MALLEES	
	over 30m	10 - 30m	under 10m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)			50%		
DOMINANT SPECIES			<i>E. oxophelba</i> <i>E. gatgensas</i> <i>Mel. lateriflora</i>		
	SHRUBS			SHRUBS	
	over 2m	2m - 1m		under 1m	
LIFE FORM					
COVER CLASS (%)	< 20%	< 10%		10%	
DOMINANT SPECIES	<i>Santalum accuminatum</i>	<i>Accacia sp 8</i> <i>Eremosiala</i> <i>Trymalium</i>		<i>Olearia</i> <i>Accacia sp. 11</i> <i>Grevillea adulescens?</i> <i>acutata</i>	
	GRASSES	HERBS	SEDGES	OTHER	
LIFE FORM					
COVER CLASS (%)	2 - 10%	< 2%			
DOMINANT SPECIES	<i>Stipa elegantissima</i>	<i>laurencella</i> <i>mairianna</i> <i>gadenia sp.</i> <i>Velleia</i>			

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

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

SITE No S 8

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	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
MALLEES											
<i>Eucalyptus laxa</i> phelba (smooth bark)	1	FI	✓								
<i>argentea</i> (Eucalyptus) (smooth bark, 1A)	2		✓	GRASSES							
<i>YILGARNENSIS</i>				<i>Austipa elegantissima</i>	14	✓	✓				
				<i>AUSTRODANTONIA caespitosa</i>	15	✓	✓				
SHRUBS				<i>*Avena barbata</i>	16	✓	✓				
<i>Melaleuca lateri</i> flora ssp lateri flora	3		✓								
<i>Santalum acuminatum</i>	4		✓					SEDGES			
<i>Myrtaleum pedifolium</i> var lineare	5	✓	✓								
<i>Templetonia sulcata</i>	6		✓					ADJACENT PLANTS			
<i>eremophila drummondii</i>	7	✓	✓					<i>Grevillea huegelli</i>	33	✓	✓
<i>Acacia hemiteles</i>	8	✓	✓					<i>Collitris rosei</i>	34	sds	✓
<i>Olearia muelleri</i>	9	✓	✓	HERBS				<i>Eucalyptus wandoo</i>	35	sds	✓
<i>Grevillea acutaxia</i>	10	✓	✓	<i>Lawrencella rosea</i>	21	✓	✓	<i>Drosera macrophylla</i> (no flower)	36		✓
<i>Acacia eminea</i> (red seed pod)	11	✓	✓	<i>Waltzia acuminata</i>	22	✓	✓	<i>Santalum sandalwood</i>	37	FI	✓
<i>Alyxia buxifolia</i>	12		✓	<i>*Kymomyxum tenellum</i>	23	✓	✓	<i>Podolepis lessonii</i>	38	✓	✓
<i>Scaevola spinescens</i>	13		✓	<i>*Drosera BERARDIANA</i>	24	✓	✓	<i>Trachymene ornata</i>	39	FI	✓
<i>Acacia acutaxia</i> (pink)	17	✓	✓	<i>Arthropodium dyerii</i>	25		✓	<i>Ptilotus spathulatus</i>	40	✓	
<i>Enchylane lanata</i>	18		✓	<i>Blennospora Drummondii</i>	26	✓	✓	<i>Gastrolebium parviflorum</i>	41	✓	✓
<i>Scelopora unilora</i>	19		✓	<i>Caladenia sp. infertile</i>	27		✓	<i>Dianella revoluta</i>	42		✓
<i>Rhagodia PREISSII</i> subsp PREISSII	20		✓	<i>Pterostylis McNana</i>	28		✓	<i>Marleah georgei</i>	43		✓
				Bright green shoot - ? Lobelia	29	?		<i>*MICROPTERUM Papulosum</i>	44		✓
				<i>*Osteospermum clandestinum</i>	30	FI	✓	2 leaved Cape Tulip? *	45		✓
				<i>* Wild radish Brassica tournefortii</i>	31	FI	✓	<i>Homeria miniata</i>			
				<i>Crassula COLORATA</i> sp ACUMINATA	32		✓				

~~SWELL OPP~~

LEPTOMARIA PYCNISSIANA

Racina communata

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