

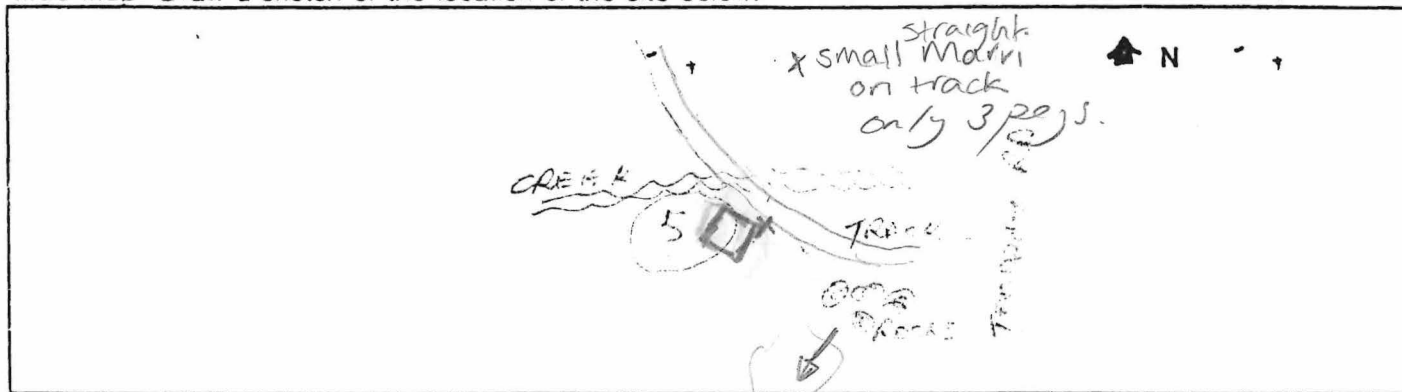
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA _____ SITE NUMBER RED 5
 DATE TRIP 23/7/95 RECORDERS DIANE M. DIANA C. GARY M. ANNIE P. MAUREN. LYN D.
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

1. LOCATION of the QUADRAT

From 'Bushland Plant Survey' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 54 Nedlands WA 6008.

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



Road Location _____

NOT BY GPS

Geographic Location Latitude 31°50.599' S Longitude 116°03.994 E Altitude 130 m

Reference Map

31 50 36

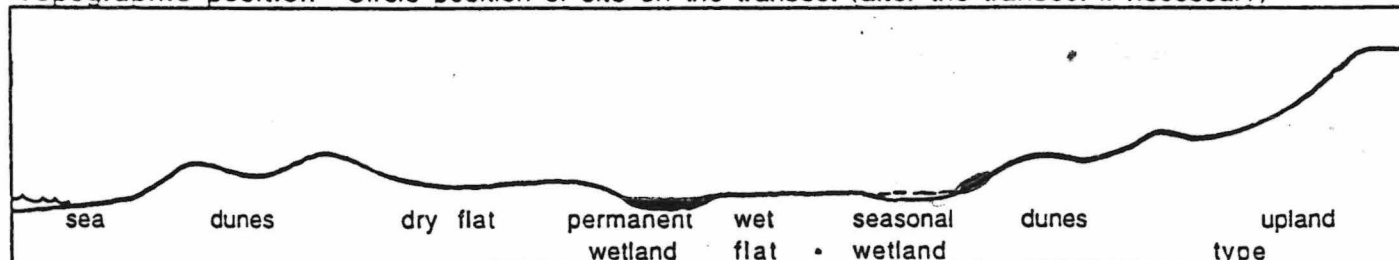
116 04 00

Photograph

Photographer's Name

Photo No

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



topo position
(m) ridge top stay face

2. SITE DATA Circle the correct response.

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

Surface Soil GRAVEL/MUD/CLAY/SAND Colour ORANGE
 Exposed rock type _____ 0% surface

Sub-surface Soil GRAVEL/MUD/CLAY Colour BROWN
 Rock type _____ depth to rock ? SHALLOW

Drainage well mod poor depth water 0 cm Wet all year winter/spring

Litter 95-100 % cover _____ Bare Ground <5% % cover _____
 Depth cm 12

10-5
23.7.95

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

From 'Bushland Plant Survey' written by B. Keighery 1994 and published by the Wildflower Society of W.A. Inc. PO Box 64 Nedlands W.A. 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	15-30m	5-15m 10-12m under 5m	over 8m	under 8m		
LIFE FORM						30m 10m	
COVER CLASS (%)			10-30%				
DOMINANT SPECIES			E. CHALCOPHILA				
SHRUBS						SHRUBS	
	over 2m	2m-1.5m	1.5-1m	1-0.5m	under 0.5m		
LIFE FORM						2m 1m	
COVER CLASS (%)	10-30%	2-10%	10-30%	<2%	<2%		
DOMINANT SPECIES	R. SEPTIMA Lab. lanceol. VIMINARIA jun.	DARWINIA G. CELOTHRAUNK quad.	DARWINIA CIT. CELOTHRAUNK QUAD.				
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)	10-30%	-2%	2%		10-30%		
DOMINANT SPECIES	Tet. laevis				Lox. hex. Lepid. angust (fine)		

4. VEGETATION CONDITION

		COMMENTS
1	'PRISTINE'	Dense cover overall is 7.70% dense litter
2	EXCELLENT	
3	VERY GOOD	
4	GOOD	
5	DEGRADED	

(called) drummonds

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESENCE

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

SITE No Red H 5

Record on Sheet

Date 23.7.95

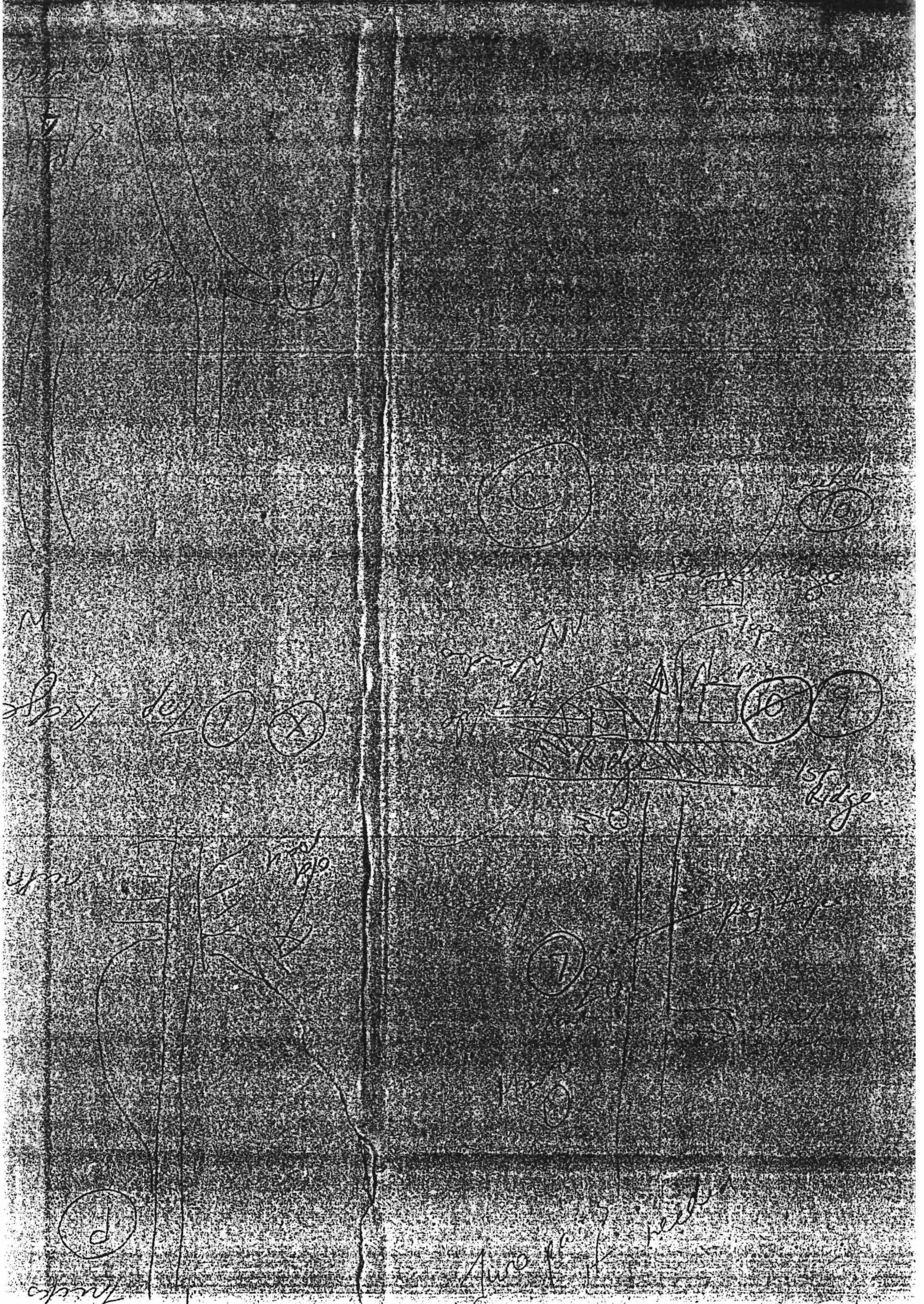
1/11/96

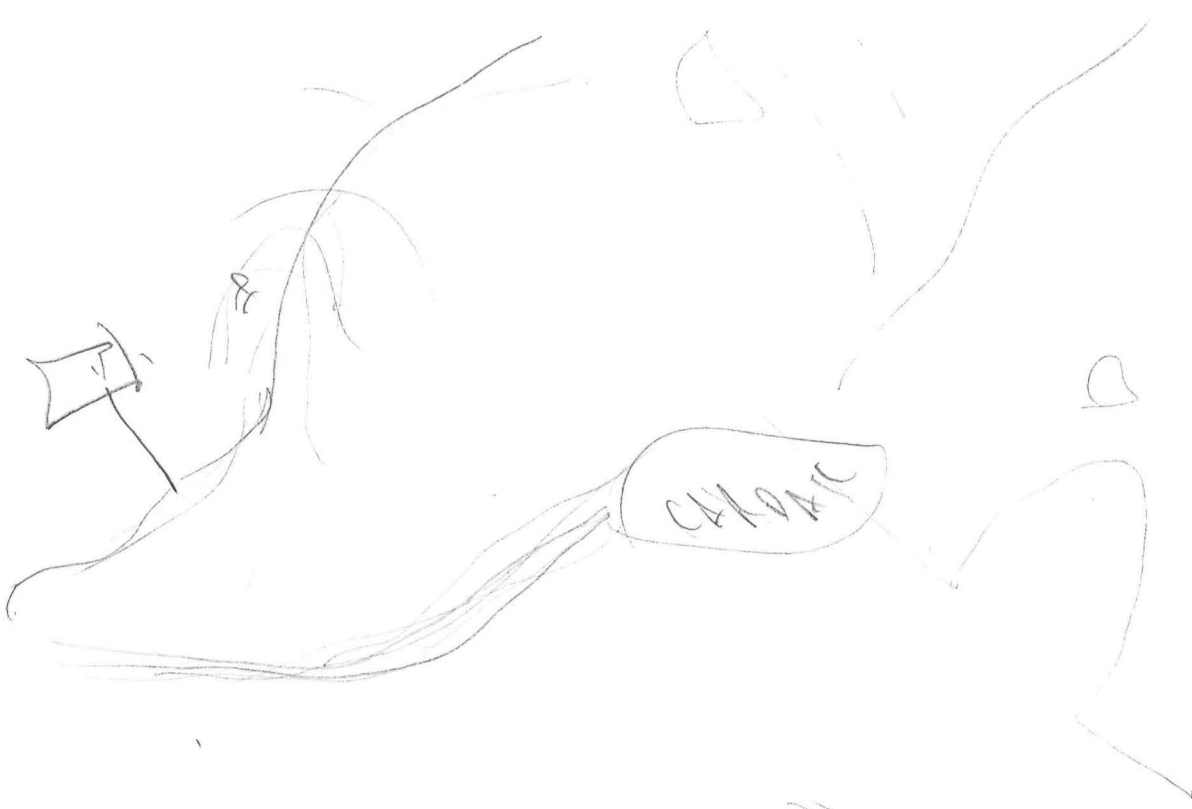
- Column 1 plant name
- Column 2 plant number
- Column 3 flowering time- TICK if species flowering
- Column 4 identification check

From 'Bushland Plant Survey' written by B. Keighery (19940 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
Eophrasia - F. calophylla	1		✓	1/11/96							
				Asteria aff. fascic							
				Cytha. line. avenacea ✓				= DUPLICATE			
				Patersonia occid							
				Mel. raphiophylla							
				Thomasia (skyle vsp) = foliosum							
				Arthropod capillipes							
MALLEES	No	FI	ID	GRASSES	No	FI	ID		No	FI	ID
				Tetrahena laevis	21		✓				
SHRUBS	No	FI	ID	HERBS	No	FI	ID	SEDGES	No	FI	ID
Labichea lanceolata	2	✓	✓					Lepidosperma flexuosum	19		✓
Viminea juncea	3		✓					(indet)	20		
Calothamnus quadrifidus	4		✓					Peritoma (Rumicoid)	21		RH
Habea trifurcata	5		✓					(indet) = Cyth. avenacea	22		
Acacia saligna	6		✓					(indet)	23		
Davsonia ciliolata	7		✓								
Asteria aff. fascicularis	8		✓								
Melaleuca raphiophylla	9		✓	Arthropodium capillipes	18		✓				
Habea cristata	10	R	✓	Chenanthus australian			✓				
Acacia mitchellii	11		✓	1/11/96							
Thomasia foliosa	12		✓	Tricoryne elatior							
Stemodia didyma	13	✓	✓	Caesia micrantha							
Hibbertia hypericoides	14		✓								
Terminalia floribunda	15	✓	RH								
Phyllanthus calycinus	16		✓								
Cantharites pinnatifida	17		✓								
Young shrub = Tr. Herb	23	=8	✓								
Xanth. acanthostachya	24		✓								

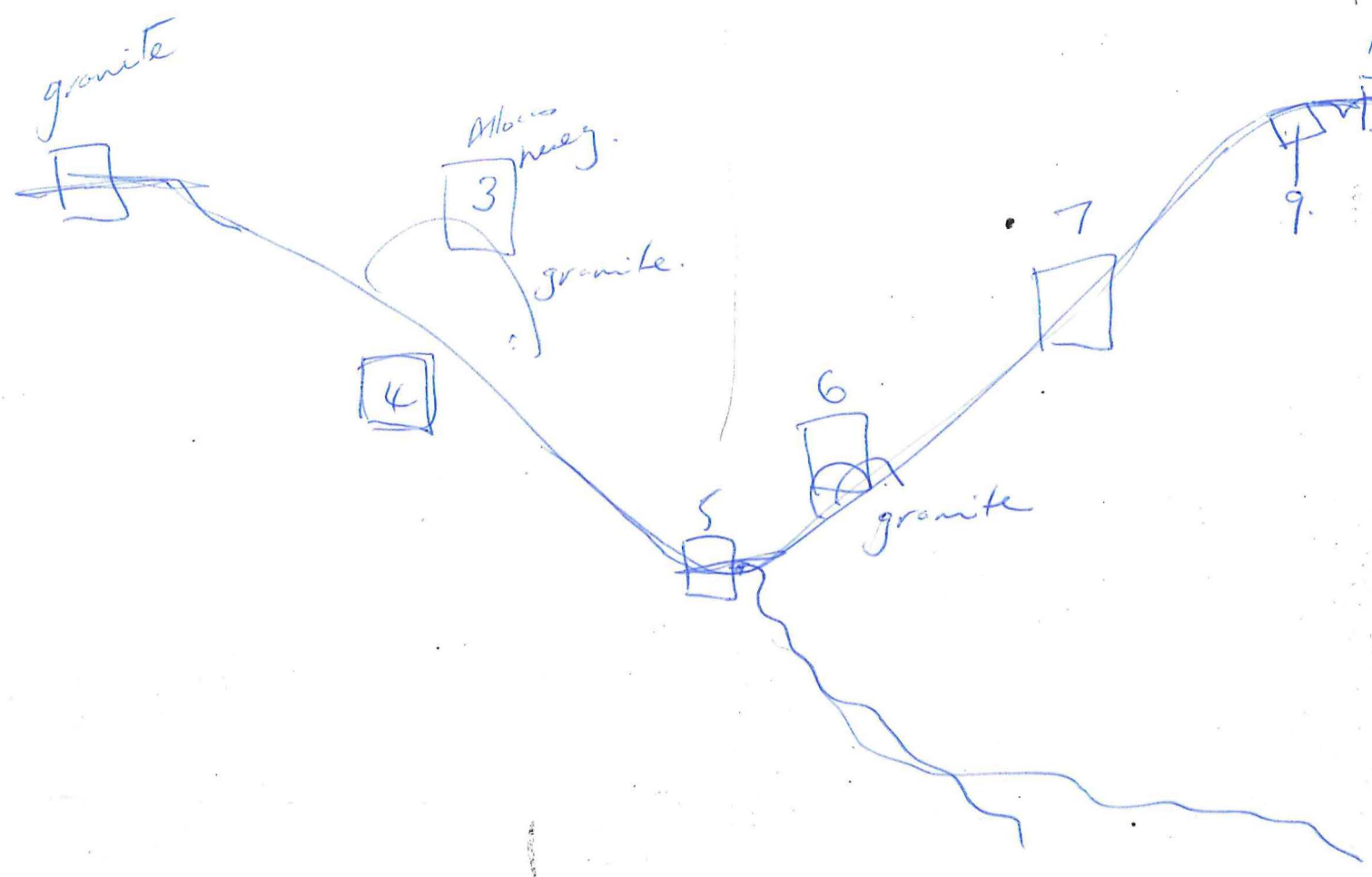
not seen OUT





CHAPIN

Wainwright Ave
4



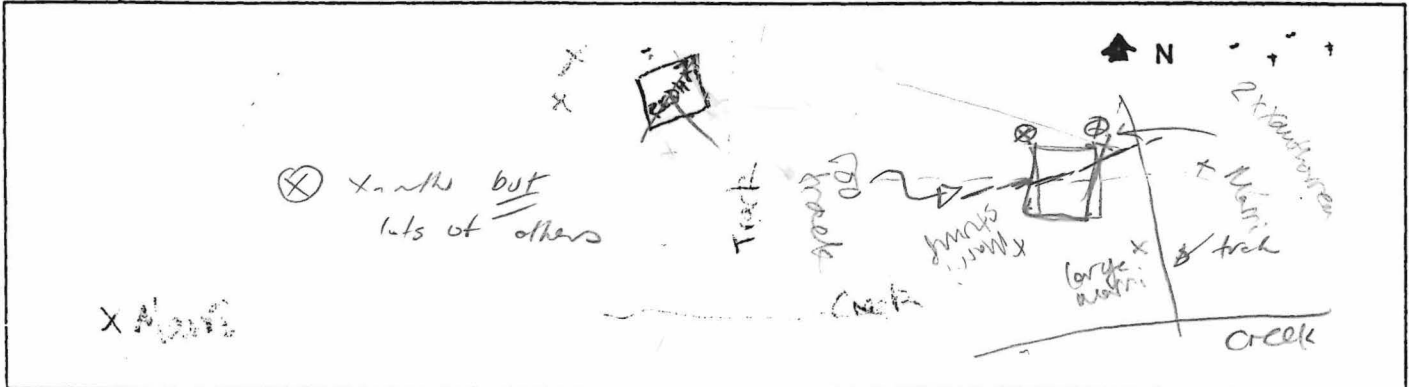
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA REDHILL SITE NUMBER REDH 7
 DATE TRIP 23.7.95 RECORDERS Nicky, Margaret, Margaret, JC, Jean
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

1. LOCATION of the QUADRAT

From 'Bushland Plant Survey' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 54 Nedlands WA 6008.

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



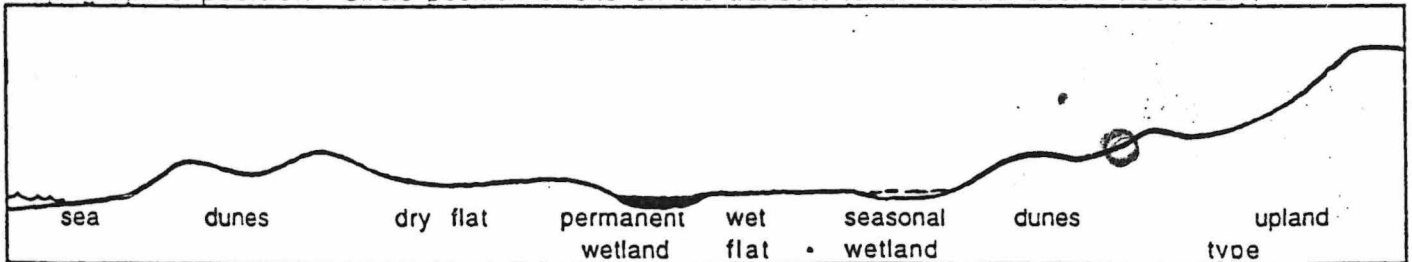
Road Location

NOT BY GPS

Geographic Location Latitude 31°50.504'S Longitude 116°03.962'E Altitude 145m
 Reference Map 31 50 30 116 03 58

Photograph Photographer's Name BROWN WEN Photo No 12/13

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 Orange/Brown
 Exposed rock type Lignite 62 % surface

Sub-surface Soil clay? Colour Orange/Brown
 Rock type lignite depth to rock surface

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

Litter	10	% cover	Bare Ground	% cover
Depth	cm			<u>20%</u>

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

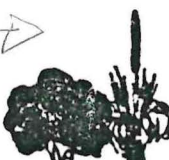
From 'Bushland Plant Survey' written by B. Keighery (1994) and published by the Wildflower Society of W.A. Inc., PO Box 64 Nedlands, W.A. 6008.

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

SHRUBS				SHRUBS	
over 2m		2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM	2-10 			Leuc 	2m 
					1m
COVER CLASS (%)	2-10	10-30 2-10	2-10	10-30	10-30 30-70
DOMINANT SPECIES	Xanthorrhoea acanthostachya	Pterophila biloba Hakea undulata		Banksia purpur. Dryandra sp. Leuc. sp	Dryandra (sp) Hakea

GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					1m
COVER CLASS (%)	< 2	< 2	< 2	< 2	< 2
DOMINANT SPECIES					

4. VEGETATION CONDITION

11. VEGETATION CONDITION		
		COMMENTS
1	'PRISTINE'	
2	EXCELLENT	✓
3	VERY GOOD	✓
4	GOOD	
5	DEGRADED	

Some (little) weed invasion
Drought affected (mostly *Hakea undulata*)

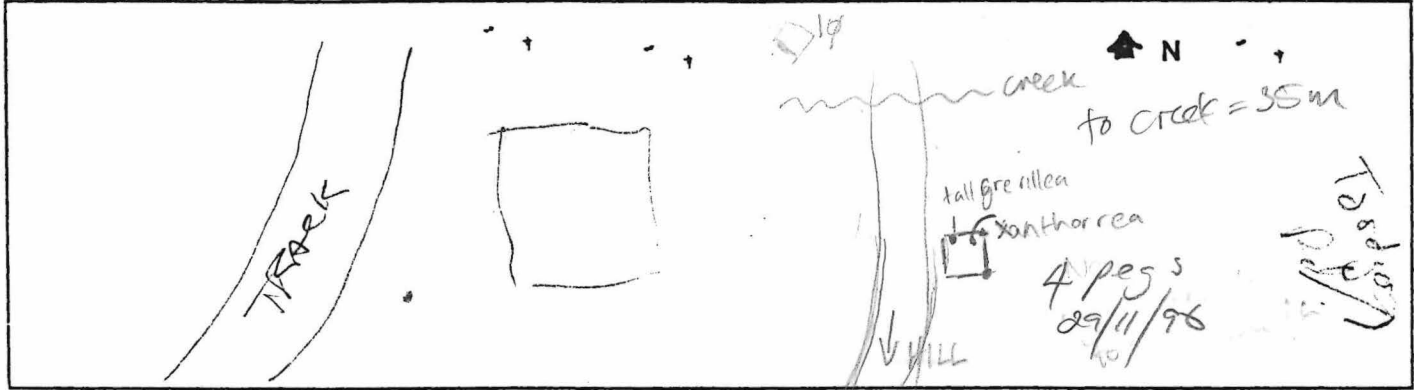
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Red Hill SITE NUMBER 9
 DATE TRIP 23/7/95 RECORDERS Jul, Alce, Jan, Joe, Jennifer
 DATE TRIP 1/11/96 RECORDERS Brian
 DATE TRIP 29/1/96 RECORDERS _____
 BOTANIST Bronwen Grey ☒ site established with ropes

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 2 Nedlands WA 6008.

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

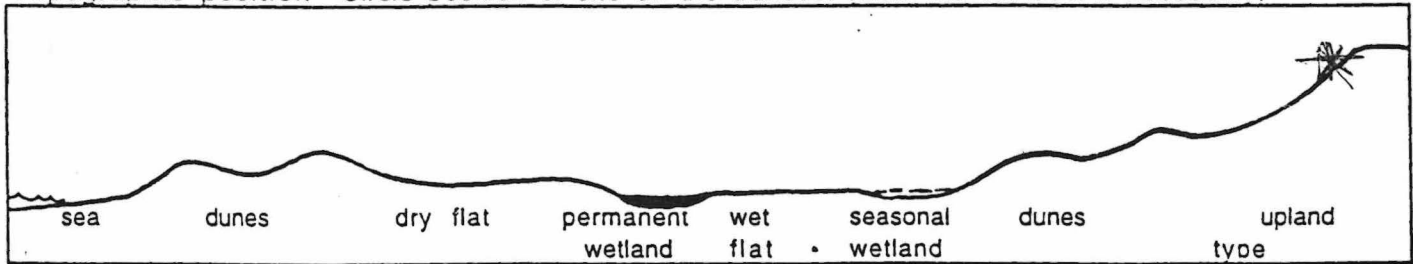


Road Location TOODAY RD

Geographic Location Latitude 31°50'43.6" S Longitude 116°04'02.5" E Altitude 160m
 Reference Map 31 50 26 116 04 02

Photograph Photographer's Name BRONWEN Photo No 10/11

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



2. SITE DATA Circle the correct response.

Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	SE	S	SW	<u>W</u>	NW
Surface Soil	<u>CLAY / LATORITE</u>							Colour	<u>RED</u>			
Exposed rock	type <u>GRANITE</u>							% surface	<u>2-3%</u>			
Sub-surface Soil	<u>LATORITE ? granite</u>							Colour	<u>RED ?</u>			
Rock	type <u>GRANITE</u>							depth to rock	<u>?</u>			
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet	all year	winter/spring				
Litter	<u>30-40</u>		% cover			Bare Ground	<u>5%</u>		% cover			
	Depth <u>2</u>		cm									

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

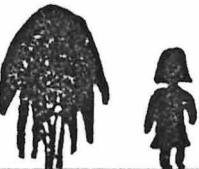
From 'Bushland Plant Survey' written by B. Keighery (1994) and published by the Wildflower Society of WA Inc., PO Box 64 Nedlands WA 6008.

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%

LIFE FORM	TREES			MALLEES	
	over 30m	15 - 30m	5 - 15m under 5m	over 8m	under 8m
			 removed		
COVER CLASS (%)	0	0	< 5%	0	0
DOMINANT SPECIES			WANDOO		

LIFE FORM	SHRUBS			SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
					
COVER CLASS (%)	0	2-10%	10-30%	10-30%	10-30%
DOMINANT SPECIES		YANTHORREA PETROPHILE	acanth. biloba.	MELALEUCA? ACACIA? Drosera cit	DRYANDRA Darwinia cit

LIFE FORM	GRASSES	HERBS	SEDGES	over 0.5m	under 0.5m
					
COVER CLASS (%)	30-70%	30-70%			
DOMINANT SPECIES	Lomandra Fescue	HERBS Laxmannia Hyalosperma Stylidium brun. Borja			

4. VEGETATION CONDITION

1	'PRISTINE'	COMMENTS Many Dead Petrophile & Melaleuca severely drought affected recovering well (no charcoal not seen as live)
2	EXCELLENT	
3	VERY GOOD	
4	GOOD	
5	DEGRADED	

Many seedlings Synaphea, Petrophile, Hibbertia

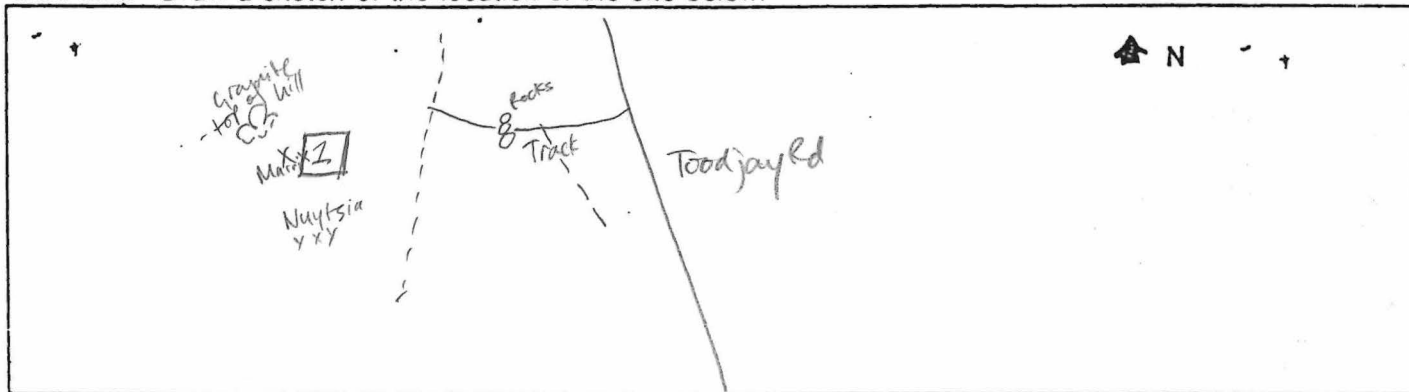
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA REGO H. SITE NUMBER 1
 DATE TRIP 23.7.95 RECORDERS Tony Stephen David Sylvia Dorothy Cynthia Paul
 DATE TRIP _____ RECORDERS _____
 DATE TRIP 29-11-96 RECORDERS BK NOT SM
 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 54 Nedlands WA 6008.

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



Road Location Toodyay Rd

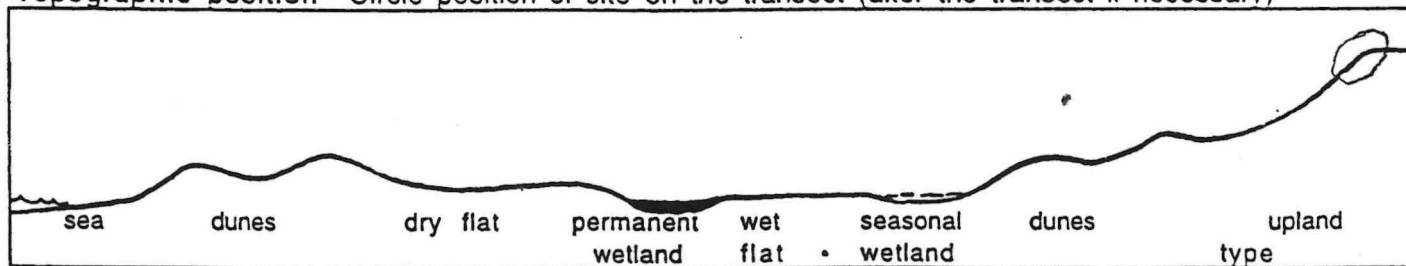
NOT BY CASE

Geographic Location Latitude 31°50.763' S Longitude 116°03.899' E Altitude ~155

Reference Map

Photograph Photographer's Name 8 Photo No SM

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



2. SITE DATA Circle the correct response.

Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	<u>SE</u>	S	SW	W	NW
Surface Soil	<u>SANDY LOAM</u>							Colour	<u>BROWN</u>			
Exposed rock	type		<u>GRANITE</u>	20 %		surface						
Sub-surface Soil	<u>DANDY SLOPE</u>							Colour	<u>BROWN</u>			
Rock	type		<u>GRANITE</u>	depth to rock		<u>EXPOSED</u>						
Drainage	<u>well</u>	mod	poor	depth water	<u>NA</u>	cm	Wet	all year	<u>WINTER</u>	Spring		
Litter	Depth		<u>25</u>	% cover		Bare Ground		<u>4.2</u>	% cover			
	Depth		<u>1 to 2</u>	cm								

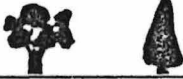
BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Mulr)- use pencil only

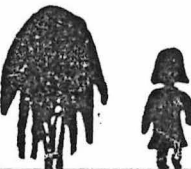
From 'Bushland Plant Survey' written by B. Keighery (1994) and published by the Wildflower Society of WA (Inc.), PO Box 64 Nedlands WA 6008.

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	15-30m	5-15m under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)			20% 10-30		
DOMINANT SPECIES			Handoo ✓ Mallee ✓		

SHRUBS				SHRUBS	
	over 2m	2m-1.5m	1.5-1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		10-30	2-10	10-30	
DOMINANT SPECIES		Pteropile Bush Hakea erinacea Allocas. humilis	Banksia Xanth. prais	Trifolium Leuc. pulch	Drymonia lind. Scleria hyp.

GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	1%	1%	2%		1% 2-10
DOMINANT SPECIES		Hypoxis acid. mixed Stylid. bulb.			LOXACARIA flex

4. VEGETATION CONDITION

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

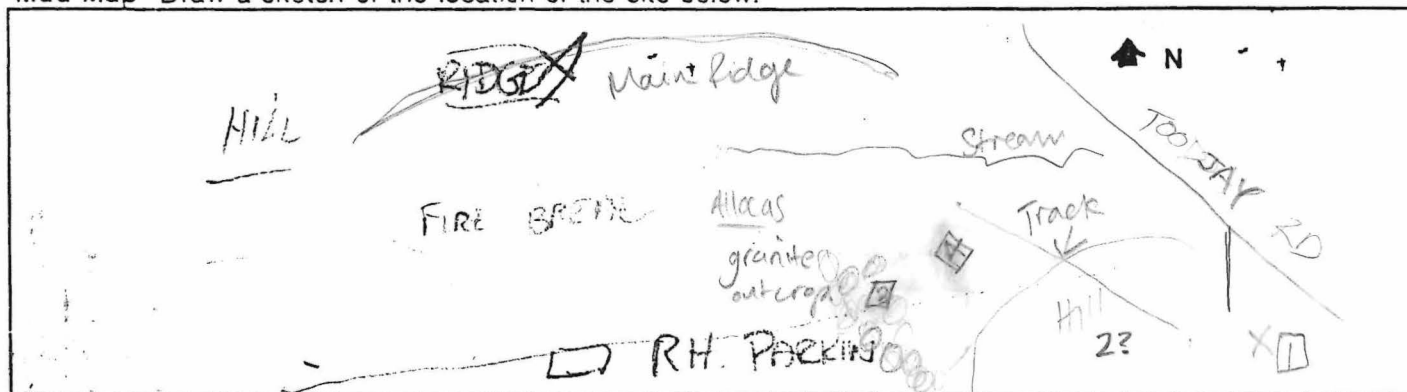
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA RED H SITE NUMBER 3 *RedH3*
 DATE TRIP 23/7/95 RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST B + R. KEIGHERY

1. LOCATION of the QUADRAT

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

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

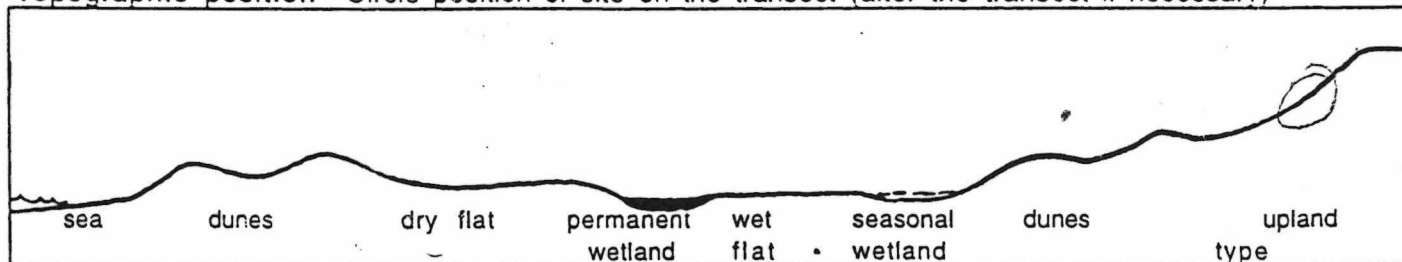
Road Location RED HILL CAR PARK

Not by GPS

Geographic Location Latitude 31°50'631" S Longitude 116°03'868" E Altitude 105mReference Map 31°50'41" 116°03'52"

Photograph _____ Photographer's Name _____ Photo No _____

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



3 midslope scarp face

2. SITE DATA Circle the correct response.

Slope flat gentle steep Aspect N NE E SE S SW W NWSurface Soil GRANITE RESIDUAL WITH OUTCROPS Colour DARK BROWNExposed rock type GRANITE % surface 25%Sub-surface Soil _____ Colour DARK BROWNRock GRANITE type _____ depth to rock _____Drainage well mod poor depth water cm Wet all year winter/spring

Litter	<u>50</u>	% cover	Bare Ground	<u>5</u>	% cover
Depth	<u>1</u> cm				

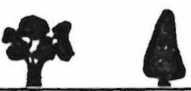
BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Muir)- use pencil only

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	15-30m	5-15m under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	—	—	10-30	—	—
DOMINANT SPECIES			Allocas. hueg.		
SHRUBS			SHRUBS		
	over 2m	2m-1.5m	1.5-1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10	—	30-70	10-30	—
DOMINANT SPECIES	Jacq. stem Acacia saligna		Caloth quad Hibb. sublag		
GRASSES		HERBS	SEDGES	over 0.5m	
				under 0.5m	
LIFE FORM					
COVER CLASS (%)	2-10	30-70	2-10	2-10	
DOMINANT SPECIES	Briza max	Brachycome		Lox flex	

4. VEGETATION CONDITION

1 'PRISTINE'		COMMENTS Patches weed invaded grasses, Hyp. glab & vrs. anten (vulp. briza)
2 EXCELLENT		
3 VERY GOOD	✓	
4 GOOD		
5 DEGRADED		

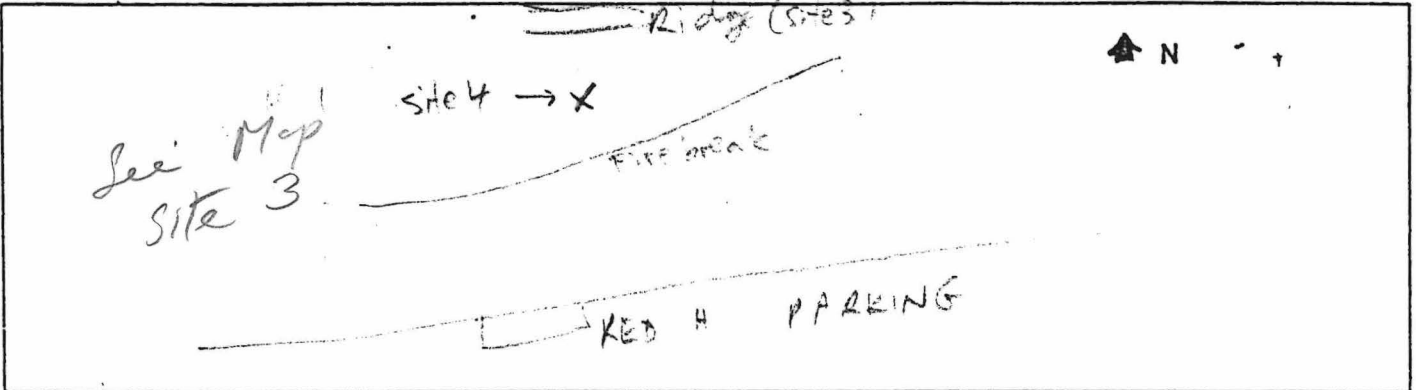
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA RED H SITE NUMBER 34
 DATE TRIP 23/7/95 RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST B & R. KEIGHERY

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 54 Nedlands WA 6008.

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



Road Location RED HILL CAR PARK

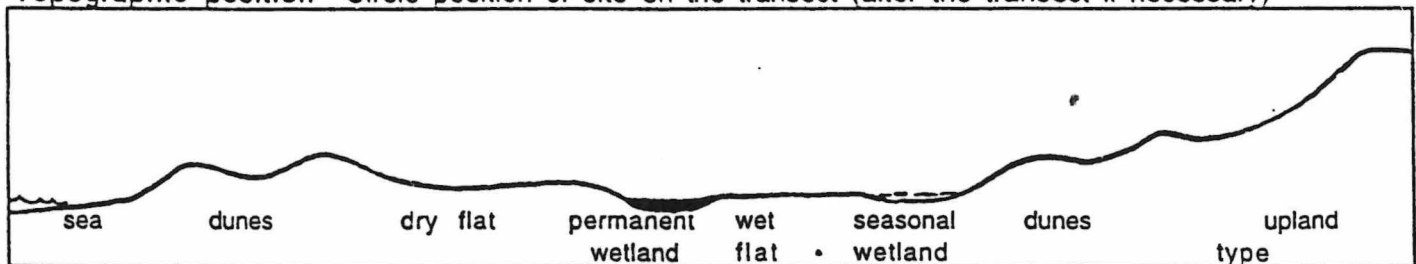
NOT BY GPS

Geographic Location Latitude 31° 50.691' S Longitude 116° 03.994' E Altitude 140m

Reference Map 31 50 41 116 04 00

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 GRATE GRANITE RESIDUAL WITH OUTCROPS Colour LIGHT BROWN
 Exposed rock type GRANITE % surface 5-10

Sub-surface Soil CLAY Colour RUSTY BROWN
 Rock type GRANITE depth to rock INTERMITTENT SURFACE

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

Litter 40-50 % cover < 5 % cover
 Depth 21 cm Bare Ground

BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Mulr)- 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		15 - 30m	5 - 15m	over 8m	under 8m
LIFE FORM			under 5m		
COVER CLASS (%)	—	—	—	—	—
DOMINANT SPECIES					

SHRUBS				SHRUBS	
over 2m		2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	—	—	2-10%	10-30%	10-30%
DOMINANT SPECIES			<i>Hak. erin</i> <i>Xanth. acanth.</i>	<i>Dry. aw</i> <i>12. cab</i>	<i>Mel. scab. VSP</i>

GRASSES		HERBS	SEDGES	over 0.5m		under 0.5m
LIFE FORM						
COVER CLASS (%)	< 2%	< 50%?	—	—	2-10%	
DOMINANT SPECIES		<i>Stylid. bulb</i> <i>Gony. sphaero</i>			<i>Lepid. ? pres v</i>	

4. VEGETATION CONDITION

H. VEGETATION CONDITION		
1	'PRISTINE'	COMMENTS
2	EXCELLENT	
3	VERY GOOD	
4	GOOD	
5	DEGRADED	

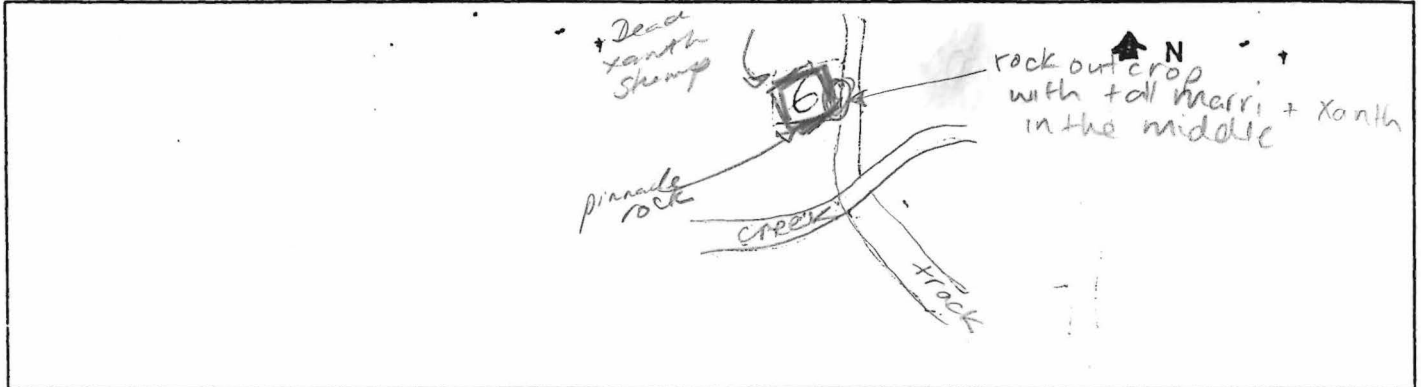
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Redhill SITE NUMBER 1111 6
 DATE TRIP 23 7 15 RECORDERS D. Corby N.
 DATE TRIP 1/11/96 RECORDERS BJK NCT JM
 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 54 Nedlands WA 6008.

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

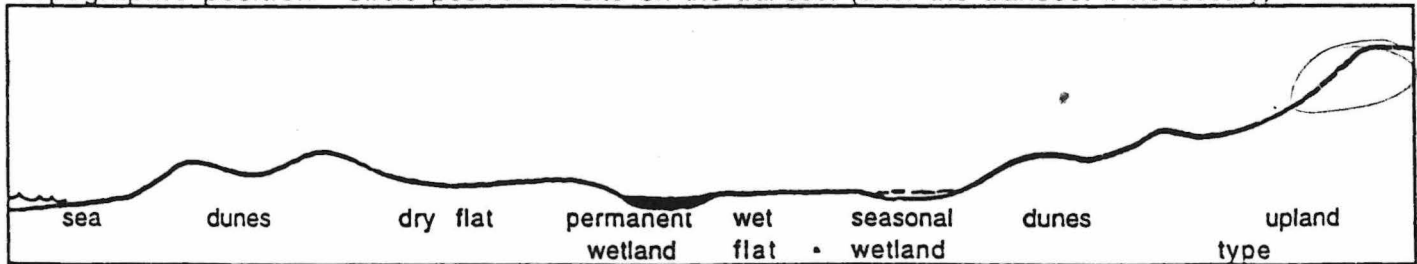


Road Location Trooping Rd.

Geographic Location Latitude 31°50.545 S Longitude 116°03.994 E Altitude 140m
 Reference Map 31 50 33 116 04 00

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 clay Colour black
 Exposed rock type granite % surface 20%

Sub-surface Soil loamy clay Colour dark brown
 Rock granite type granite depth to rock just below surface

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

Litter 75 % cover Depth 1-2 cm Bare Ground 5 % cover

3 midslope steep face

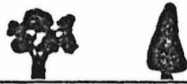
BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Mulr)- use pencil only

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

	SHRUBS				SHRUBS
	over 2m	2m-1.5m	1.5-1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	-2%	-2%	30-70 10-30	-10%	-2%
DOMINANT SPECIES	Halimolobos Ptilotus	Ptilotus	Dakninaestis Calotham. qued.	Acacia pulsch.	Calotham.

	GRASSES	HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	-2%	2-10%			-2% → 10%
DOMINANT SPECIES		Mixed			Lox. flex

4. VEGETATION CONDITION

1 'PRISTINE'		COMMENTS weed invasion in herb layer
2 EXCELLENT		
3 VERY GOOD	✓	
4 GOOD		
5 DEGRADED		

Approximate Location Sites
11/4/96



5132 WA 3164 (C) METRO REGIONAL AREA & EXT. RUN 17 (5116-5183) 1:20000 10-DEC-92 9206

RED HILL Sites 1, 2, 3, 4, 5, 6, 7 & 10

Handwritten notes, possibly "Helen" and "Mae".

Handwritten initials "AN".

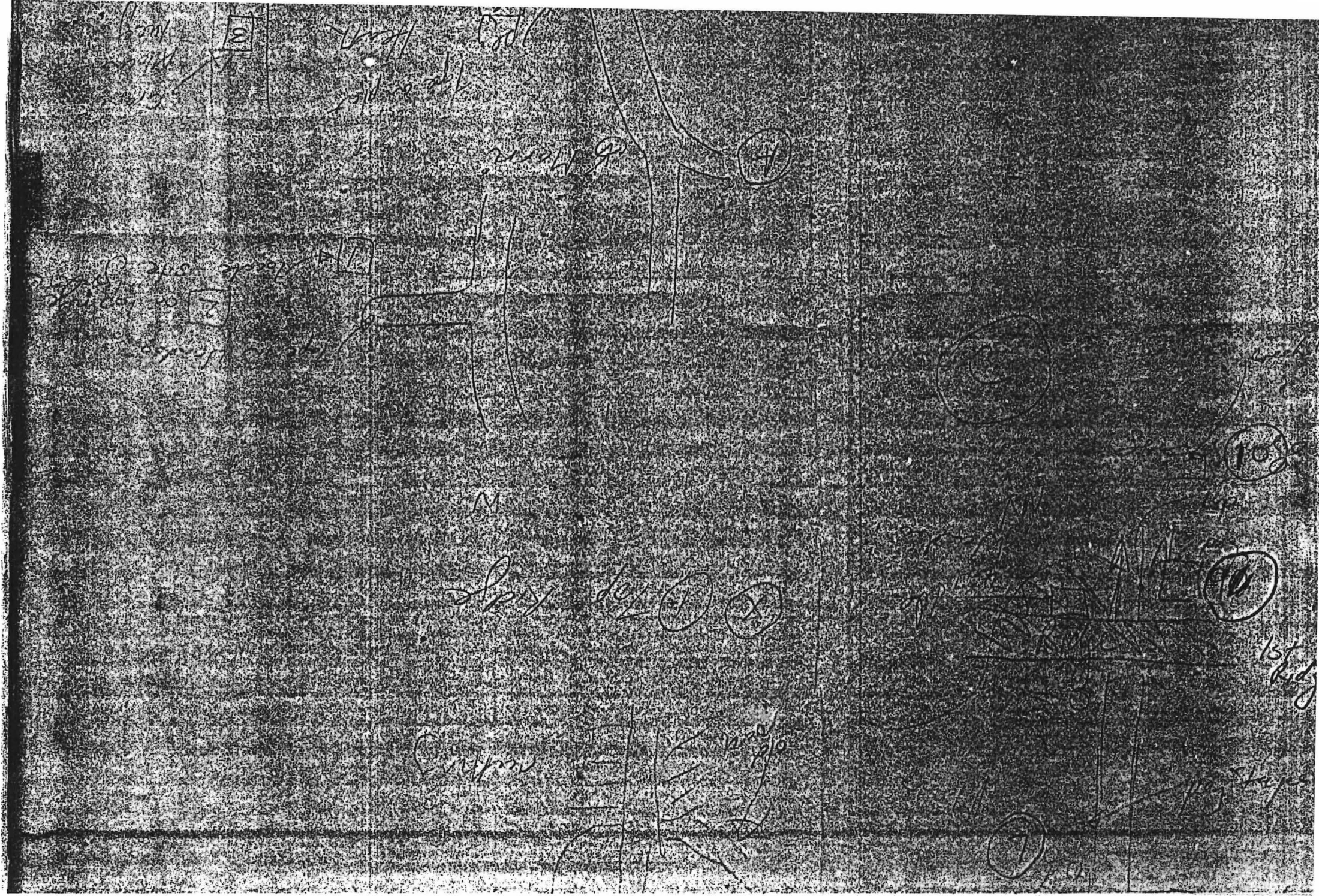
Handwritten notes, possibly "Type" and "Mae".

Handwritten notes, possibly "Type" and "Mae".

Handwritten word, possibly "Crest".

Handwritten circled number "5".

Handwritten circled number "4".



BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Red Hill SITE NUMBER 2
 DATE TRIP 23/7/95 RECORDERS Terry, Starker David Sulva, Praline, Dorr
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

1. LOCATION of the QUADRAT

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

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



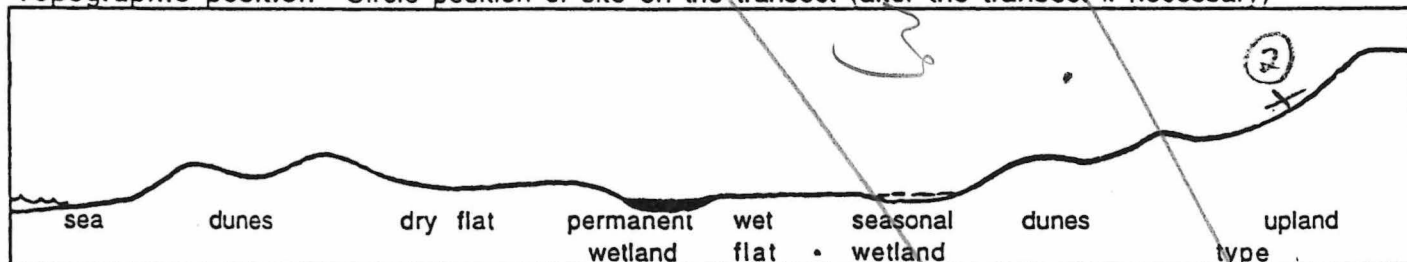
Road Location

NOT BY GPS

Geographic Location Latitude 31° 50.763' S Longitude 116° 03.899' E Altitude _____
 Reference Map _____

Photograph _____ Photographer's Name _____ Photo No _____

Topographic position Circle position of site on the transect (after 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 red-brown

Exposed rock type granite 10% surface

Sub-surface Soil probably clay loam Colour red-brown

Rock type granite depth to rock 0-1m

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

Litter _____ 15% cover _____ Bare Ground 1-2% cover
 Depth 1-2 cm

BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Mulr)- 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	15 - 30m	5 - 15m under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	nil	nil	2-10%	nil	10-30%
DOMINANT SPECIES			Wardoo		Wardoo
SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	nil	nil	10-30%	10-30%	10-30%
DOMINANT SPECIES			Hakea aristata	Hakea lissocarpa	Hakea ?
				(check)	
GRASSES		HERBS	SEDGES	SEDGES	
			over 0.5m	under 0.5m	
LIFE FORM					
COVER CLASS (%)	10-30%	2-10%	nil	nil	
DOMINANT SPECIES	Guildford Grass	?			

4. VEGETATION CONDITION

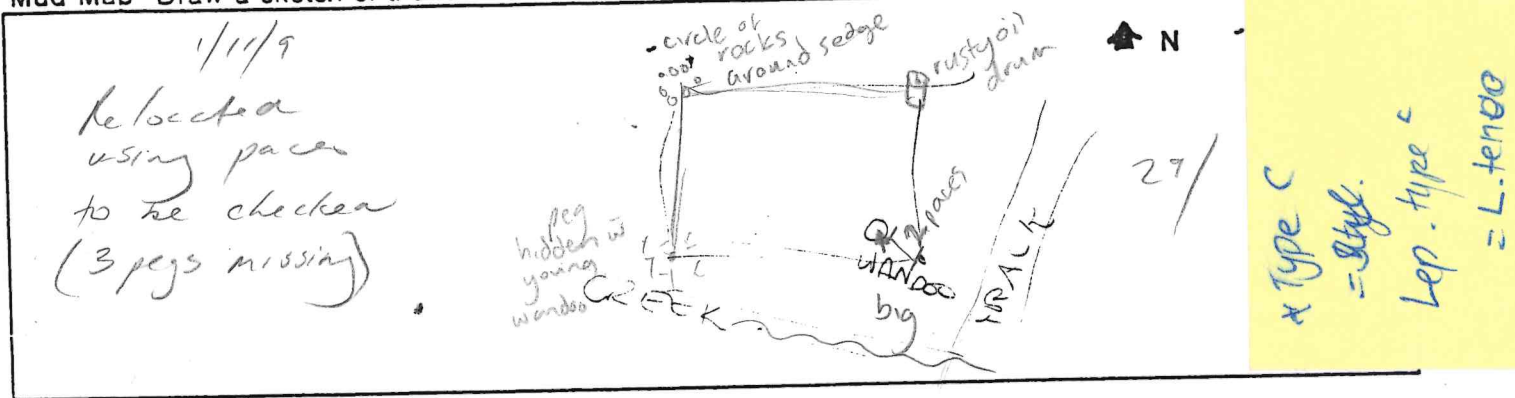
VEGETATION CONDITION		COMMENTS
1	'PRISTINE'	
2	EXCELLENT	Some disturbed ground re-colonised by grasses/herbs (Guildford grass prominent)
3	VERY GOOD	
4	GOOD	
5	DEGRADED	

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA Red Hill SITE NUMBER 10
 DATE TRIP 23-7-95 RECORDERS ANNE JENNICK, BRIAN, JAN
 DATE TRIP 1/11/96 RECORDERS JIM JOE
 DATE TRIP 29/11/96 RECORDERS _____
 BOTANIST relocated site, equivalent to 1/11/96

1. LOCATION of the QUADRAT

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



Road Location

.395 NOT BY GPS 03 964

Geographic Location Latitude 31° 50.436' S Longitude 116° 04.625' E Altitude 160m

Reference Map 31 50 24 116 03 58

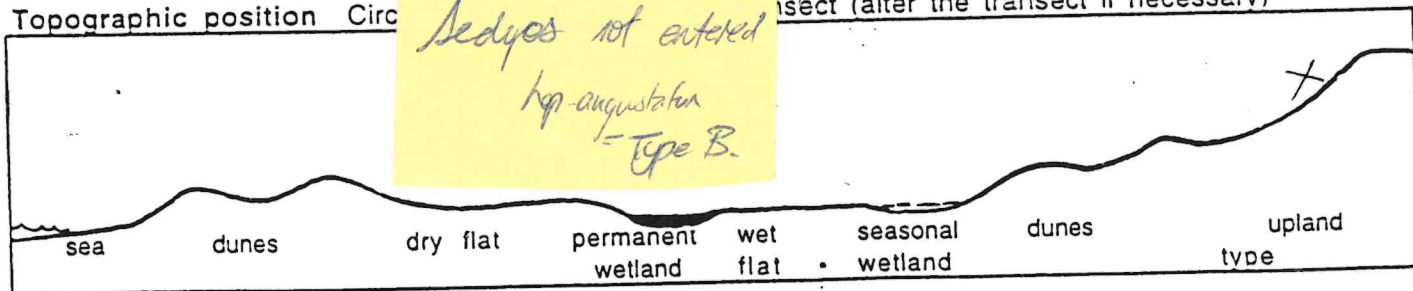
Photograph

Photographer's Name

OKFC / DALLY 29/11/96 Photo No 9

Topographic position Circle

intersect (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 SAND / SILT. Colour RED/BROWN
 Exposed rock type CRINITE / IRONSTONE % surface 1%

Sub-surface Soil LATERITE ? Colour ?
 Rock type _____ depth to rock _____

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

Litter Depth 2-3 cm % cover 25% Bare Ground 3 % cover

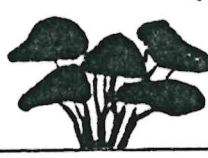
BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Muir)- use pencil only

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	15-30m	5-15m under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	0%	0%	5-15m 10-30%	0%	0%
DOMINANT SPECIES			WANDOO		

SHRUBS			SHRUBS		
	over 2m	2m-1.5m	1.5-1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	0%	0%	30-70%	10-30%	2-10%
DOMINANT SPECIES			Trifolium SANDPAPER LEUCOPHYLLA	Trifolium Leucopogon pulchellus Thomasia foliosa	

GRASSES		HERBS		SEDGES	
	over 0.5m		over 0.5m		under 0.5m
LIFE FORM					
COVER CLASS (%)	10-30%	2-10%	10-30%	10-30%	10-30%
DOMINANT SPECIES	Cynodon etc Neritaria alopec.	mixed *Rom. rosea			Lox flax

4. VEGETATION CONDITION

	COMMENTS
1 'PRISTINE'	
2 EXCELLENT	
3 VERY GOOD	✓ Weed invasion open clay areas
4 GOOD	Drought killed Hk. undulata
5 DEGRADED	under trees.

RED HILL

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 3
Date 23/7/95
1/11/96

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.)	GRASSES	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Allocasuarina huegelii</i>	1		✓	UNKNOWN GRASS	(VERY FINE)	38			BAGS			
(TALL SHRUB) Jack. Skon	2		✓	<i>NEURACHNE alopecuroides</i>		40		✓	Seedlings, not identifiable			
<i>ACACIA SALIGNA</i>	3		✓						37, 38			
<i>Hibbertia subvaginata</i> (Hills form)	4		✓						<i>Stylidium bulbiferum</i>	46		
<i>CALLOTHAMNUS quadrifidus</i>	5		X						<i>Hypochaeris glabra</i>	28		
<i>DARWINIA ciriodora</i>	6		✓	RH					<i>Santhus obraccus</i>			
MALLEES												
				GRASSES								
				<i>*GLADIOLUS</i>	CART	15		✓	(Spike)			
				[GUILDFORD GRASS]	<i>Thon. rosea</i>	24		✓				
SHRUBS				UNKNOWN GRASS		27						
				(FLATWEED)		28						
<i>Tymnolium pedifolium</i> var. <i>lira</i>	7		✓	RH UNKNOWN GRASS (FINE CARROT TYPE)		30			SEDGES			
<i>HAKEA cristata</i>	8		✓	" " (SMALL WEED)		31			<i>Tricoryne elatior</i>	17		
<i>Isopogon dubius</i>	9		✓	<i>Biza</i> = 27		34			<i>Caesia parviflora</i>	23		
<i>ZAMIA (MACROZAMIA RIDLII)</i>	10		✓	<i>*Ursinia anthemoides</i>		36			<i>Homandra</i> sp. (?brittoni)	26		
<i>Dioscorea hastifolia</i>	11		✓	" " (VERY SMALL SPECIMEN)		37			<i>Lopido. tenue.</i>	29		
<i>Rheilanthes austrotenuifolia</i>	12		✓	HERBS								
<i>Dioscorea hastifolia</i> repeat	14		X	<i>Prosera pallida</i> (menziesii) sp		13		✓				
<i>Dioscorea hastifolia</i> (male) repeat	18		✓	<i>CALADENIA</i> <i>sericea</i> (actum)		16		✓	<i>Cyan. sericea</i>			
<i>Tymnolium florib.</i> (seedling)	21		✓	GREEN HOOD (NO)		20						
<i>Himbertia hypericoides</i>	39		✓	<i>Anthosia candida</i>		19		✓				
<i>COMPHOLOGIUM MARG.</i>	42		✓	A GREEN HOOD (NO SPECIMEN)		20		✓	<i>Parastylis</i> ? <i>vittata</i>			
<i>DRYANDRA NIVEA</i> (Hills Hills)	43		X	<i>BORYA sphaerocephala</i>		22		✓				
<i>Calothamnus quadrifidus</i>	44		X	<i>Diplopeltes hueg.</i> VSP		25		✓	1/11/96			
				<i>Loxocorya flexuosa</i>		32			<i>Stipa compressa</i>			
				<i>OPERCULARIA VAGINATA</i>		33		✓	<i>* Biza maxima</i>			
				COMMON THISTLE <i>*Jon. cbr</i>		35			<i>Max. squarrosa</i>			
				MOSS (NO SPECIMEN)		41			<i>Levenhookia stip.</i>			
				<i>HIBERTIA</i> (? <i>COMMUTATA</i> - seedling)		45		✓	<i>* Ursinia anthemoides</i>	PTO		
				<i>BORYA</i>		46			<i>Stylid bulb</i>			

1/11/92

Redh03

- *Rhodanthe conymbosa* var.
- *Homa homa*
- *Hyal. cotula*
- *Podotrocha angust* 
- *Schoenus? humilis*
- *Hydrocotyle* (VSP) *callicarpa*
- *Poranthera microphylla*
- *Lotocarya flexuosa* VSP
- *Burchardia umbellata* = *congesta*
- *Neurachne* VSP = *oleopec*.
- *Haemodorum* sp
- *Lepid. tenax* = *E. tene* ✓
- * *Anagallis arvensis* lep.
- *Isopogon dubius*
- *Phyllanthus colycinus*
- *Neurachne oleopec*.
- *Brachycome* VSP
- * *Glaucidium cany*
- *Stackhousia monogyne*
- *Arthrop. capillipes*

- * *Billard's hexago* = $\phi 4$
- *Podolepis lessonae*
- *Waitzia paniculata* = $\phi 4$
- * *Briar minor*
- *Stypantra glauca* 
- * *Romulea rosea*
- *Levanlookia pusilla*
- * *Vulpia myuros*
- *Acaena pulchella* VSP
- *Caesia micrantha*
- *Haem. discolor*  nature
- *Brachy. iberoitalia*
- *Lobelia ? tenuior* (sterile, imet.)

Entered as
Democladus
aspera DL.
Lepia (?) - NE

Red Hill

xRed Hill

BUSHLAND PLANT

5. SPECIES PRESENCE

Label each plant with p

SITE No 10

Record on Sheet

Date 23-7-95

1/11/96

← entered *Podolepis lessonii*
Stipa pilosa →
S. campylachne
barbata

ET 3 - use pencil only

te and plant's name or working name if required

ame

number

g time- TICK if species flowering

From 'Bushland Plant Survey' written by
 B. Keighery (19940 and published by the
 Wildflower Society of WA (Inc.), PO Box
 64 Nedlands WA 6008.

96

• Column 4 Identification check

TREES

No

FI

ID

SHRUBS (cont.)

No

FI

ID

HERBS (cont.)

No

FI

ID

WANDOO

1

✓

1/11/96

1/11/96

* *Philothus drummondii** *Arthropodium preissii** *Daviesia nuda** *Orthosanthus laxus*

OMIT MALLEES Grass weed VSP

OMIT *Neurachne* VSP* *Stipa elegans* VSP* *Schizanthus* = *φ4 unispicatus** *Stipa pilosa* VSP

SHRUBS

PREISSII

* *XANTHOXEA (PREISSII) TACANTHO*

2

✓

* *HAKEA UNDOULATA*

3

✓

X

* *HAKEA LACIOCAPITA*

4

✓

X

* *HAKEA FRINACEA*

5

✓

X

* *HYDROLYZOA FOLIOSA*

6

✓

X

* *HYDROLYZOA AGUSTIFOLIA*

7

✓

X

* *ACACIA RUCIFOLIA*

8

✓

X

* *TRIMANUM FLORIBUN.*

9

✓

X

* *LEUCOPOGON DULCIELUS*

10

✓

X

* *HYDROLYZOA SUBVATA*

11

✓

X

RED. H.

D related site (species found ✓)

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	1
Date	23-7-95
	27/11/96

Record on Sheet

- 27/11/96
- 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
E. NANOCA	1	✓	✓	(BLACKBOY) XANTH. PRESS.	24	✓	✓	OLEARIA BOULDERIATA	42	✓	✓
(MARRI) = Euc. calophylla	2	✓	✓	HIBBERTIA SP. AUREA	25	✓	✓	THYSANOTUS PARSONSII	43	✓	✓
NOYTSIA FLORA BUNDA	4	✓	✓	MELALEUCA ACERONIA	27	○	✓	CHEILANTHES AUSTRA (RACE FERR)	46	✓	✓
				ASTROLOMA PALMAM	33	✓	✓	LEUCOCARYA FLAVOLOSA	45	✓	✓
								GULONOMA GRASS	46	✓	✓
								FREESIA aff. leich.	47	✓	✓
MALLEES								Romulea rosea		✓	✓
				GRASSES				Quinetia urvellei		✓	✓
				□ UNNAMED	38			Hypochaeris glabra		✓	✓
SHRUBS											
ALPHEGOMIA HUMILIS	3	✓	✓								
PETROPHILE BILOBE	5	✓	✓					SEDGES			
ACACIA PULCHRELLA	6	✓	✓								
HAKEA UNDAULATA	7	✓	✓								
HAKEA ERIPINASEA	8	✓	✓								
TRIPLALUM LEOIFOLIUM	9	✓	✓								
LEUCODORON pulchellum = CH	10	✓	✓	HERBS							
HELIOPSIS CORANTUM	11	✓	✓	CANDYSTYLE SETISERA	26	✓	✓				
HEMIGENIA SERECIA	12	○	✓	STYLIDIUM bulbiferum	28	○	✓				
Thomasia foliosa	13	○	✓	GLADIOLUS CARMODYLLACA	29	○	✓				
HIBERTIA subvaginata	14	✓	✓	HYPOXIS occidentalis	30	✓	✓				
HOVEA PUNGENS	15	✓	✓	STYLIDIUM brunonianum	31	✓	✓				
CALOTHAMNUS QUARTIFIDUS	16	○	✓	DROSERA ERYTHRORHIZA	32	✓	✓				
SYNAPHEA ACUTICORN	17	✓	✓	PROLOSYPHIS SP.	34	✓	✓				
DALMANIA lindleyana (nidea)	18	✓	✓	DROSERA (climbing) pallida ormenziessii	35	✓	✓				
DARWINIA THYMIFOLIA	19	✓	✓	CASSIA P. micrantha (sk)	36	✓	✓				
HIBBERTIA HYPERICOIDES	20	✓	✓	ARTHROPODUM CAPILLES	37	✓	✓				
XANTHOSIA CANOIDA	21	✓	✓	LAXMANIA FANOSA	39	✓	✓				
CRYPTANTHUS SCOPARIA	22	○	✓	LAXMANIA LEUCOPHYLLA	40	✓	✓				
MACROZAMIA REID	23	✓	✓	PATERSONIA ULMATODA	41	✓	✓				

pinnatifid

occident.

P70

29/11/96

Baccharis canph.
Poa drum.
Stip. camp/semi vsp

Lax. squarrosa

Berch. (unbrett) = congesta

Tricoryne elchov

Agrost. scabrum

Briza max.

Lepid. angust.

Good. caerulea

Low. preissi vsp

Danthonia setacea

Neurachne alopec

Lox. flexuosa ^{Des.}

Act. leuc. (Desmodolus asper)

Orth. laxus

Hibb. comutata

Gomphol. polym. (yellow pod )

Levenhookia stip.

* Aira canyophyll.

* Briza minor

Haem. sp. (ster) discolor

* Ursinia anthem

Hydrocotyle caticarpa tray site 10

Hyal. cotula

Waltzia panicula

Stylidia attine

Tet. octandra

Trachy. pilosa

Pod. lessonii

Stylid. calcaratum

Borga sphaerocephala

Levenhookia pusilla

* Vu'pia myuros

Hibb. spic. sep spic

Operc. vag.

Lax. vana [✓]

Hakea cristata

Centropetris vsp

Daisy vsp

? OM. Schoenus sp vsp

RED HILL (SEE BAG UNLABELLED)

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No REDH 4

Date 23/7/95

1/11/96

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 (19940 and published by the Wildflower Society of WA (Inc.), PO Box 64 Nedlands WA 6008.

[illegible]

1/11/96

* ~~Parent. v. close vsp~~ = * Bill. trix

Thysanotus arbuscula
(no fls)

Thys. (10211 scab) vsp
? triandrus seedling

Hydro. cotula

Podolepis lessonae

Stylid repens

Thelymitra [lge thick
lect, hairy base ] sp

Conostylis setigera

Xanthos candida

Burchardia (umbellata) congesta

Schoenus unispiculatus

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESENCE

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

SITE No Red Hill 6

Record on Sheet

Date 23-7-95

- 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

Eucalyptus

1

FI

ID

X

HERBS

Phoradendron sp (indet)

FI

ID

X

Diopeltis

huegelii

34

X

FI

ID

X

Phoradendron

sp (indet)

FI

ID

X

Thysanotus

parkerianii

35

X

FI

ID

X

Caladenia

sp

FI

ID

X

Conostylis

setigera

36

X

FI

ID

X

Trachymene

pilosa

FI

ID

X

Lomandra

preissii

44

X

FI

ID

X

Haemodorum

FI

ID

X

Tetraria

octandra

47

X

FI

ID

X

Cryptandra

arbutiflora

FI

ID

X

Lammaria

squarrosa

53

X

FI

ID

X

Stylidium

repens

FI

ID

X

Gladstonea

corymbosa

51

X

FI

ID

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Stylidium

repens

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1/11/96

- Thysanotus multiflorus
- Hakea cristata
- Stylid. brun.
- Tet. octandra
- Stipa ? campyl. VSP
- Haem. glaxum = $\phi 3$ ✓
- Stipa compressa
- * Briza minor
- * Ursinia anther.
- Schoenus humilis = $\phi 3, \phi 4$
- Leuen. stipitata
- Thyl. catula
- Wahlen. preissii
- Darwinia pineloides
- Lobelia seedling = $\phi 3$ _{not to} = lenuor
- Stylid bulb
- Stylid. calc.
- Gomph. polym.
- * Parant. viscosa = $\phi 4$
- Caesia micrantha

- Buch. cong.
- Lepid. scabrum ←
- Procris. frax = 10
- ~~Leuandra~~
- Daucus glabrid.
- Hemigenia ser. VSP
- Lepid. angust
- Cal. Flava (sterile)
- Xanth. preissii
- Stylid. attine

~~Thysan. multiflorus~~ duplicate

→ collected 29/11/96.

Not entered Lep. scg.
NR. Lep. angustatum
Entered
Lepi. type B

BUSHLAND PLANT SURVEY RECORDING SHEET

5. SPECIES PRESCENCE

Label each plant with plants number, site code, &

SITE No REDH 7

Record on Sheet

Date 23.7.95

1/11/96

• Column 1 plant

• Column 2 plant

• Column 3 flower

• Column 4 identification check

working name if required

From 'Bushland Plant Survey' written by
B. Keighery (19940 and published by the
Wildflower Society of WA (Inc.), PO Box
64 Nedlands WA 6008.

Entered Lepi.spB

for
Lep angustatum

96

TREES

No FI ID

SHRUBS (cont.)

No FI ID

HERBS (cont.)

No FI ID

Baeckea campor.				XANTHOSIA CANDIDA	32			WURMBEA DIOICA	33		
Cassipoua pomiformis				ISOPOGON DURIUS	42			THYANOTUS PATERSONII	27		X RH
Stylid brevicaupum				1/11/96				PELVINEA LUTE CRITA	51		
Amphipogon sp coll Near spifit				Tetrathoea nuda				THELYMITRA CAMP	43		X
Isopogon dubrus				Jacksonia alata				1/11/96			
Stylid pilif				Drosera menz ssp pearl				Thys. manglesii			
MALLEES				Stylid. brunna				Thysanotus asper			
Mela. scabra vsp				Maxmannia squarrosa				Maxmannia remota			
Bitterd/Paronychia skate				GRASSES				Centropus cristata			
Mirbelia spinosa				hyp. angustilobum	35			Trachypogon pilosa			
				(GRASS) SPI NEURA. ALED	11			* Gled. camy			
				SP2	12			Tet. oct			
				SP3	41			Hydrocotyle calycarpus			
XANTHO ACANTHO.	1		NIS	Lepid. angust				SEDGES			
HAEVA UNULATA	2		X	Good. coerulea				(SLOUGI) TET. OCTANDORA	33		
PETROFILE BILOBA.	3			Xanthosia huelsii				SCHOENUS SP	37		RH
BEAU FORTEA PURPUREA.	4		RH	Schoenus sp vsp				SEDGE	11		RH
ALLO CALSURINA. HUMILLIS	5		X					MESOMILENA TET.	117		X
HAEVA INCRASSATA	6		X	HERBS				SCHOENUS CLARIATOPYLUS	160		
CALOTHAMNUS SAGUINUS	7		RH	LAXMANNIA SQUARROSA	30			CONOSTIUS SETIGERA	48		
LEUCOPOGON SP.	8		RH	HYDYLINUM (SP1) BULL.	31			ACACIA PULCHELLA	49		
HIBBERTIA HYPERICORDES	9		RH	" (SP2) REPENS	32			OLEARIA PAKIDENTATA	51		
NEMEA. SPATHULATA	10			" (SP3) BRUNON.	23			HOVEA PUNGENS	53		
DRYANDRA HENATA.	11			" (SP4) ? PILIF.	24			PETROFILE BILOBA	56		
" NIVEA	12			" SP5	25			HIBBERTIA SUBVAG.	50		
ISOPOGON ASTRA ASPER	13							MELALEUCA ? TRILIMPHYLLA	57		
HIBBERTIA AUREA	14		RH	HYPOXIS GLABELLA	26						
" COMMUTATA	15		RH	PETROFILE GANCIHEDUS	27						
SYNAPHEA (SP1) ACUTICOLA	16		X	DROSERIA ERYTHRO.	28						
HIBB SPI	17			" (SP2) CLIMB/GLAB	29						
ASTROLOMA PALLIDUM	18			" PIGMY	30						
ANDERSONIA (SP) lehmannii	19			LEPORELLA FIMBRIATA	31						
CRYPTANDRA SCOPARIA VAR SCOPARIA	21			CHAEHODILLAS VERTICILL.	32						

ADJACENT:

CONOSPERMUM. SPI.	48.
ACACIA PULCHELA.	49.
FABACEAE SPI.	50.
SOFT GREEN FOLIAGE (HAIRY, WOODY STEM)	51.
• GREEN VINE	52.
HOVEA SPI	53.
LARGE GREEN LEAF RED BASE.	54.
	55.
SWAN RIVER MYRTLE	56.
HILBERTIA. SP2.	57.
Hakea trifurcata	58 ✓ RH
Hakea erinacea	59 ✓
Sedge	60
Euc. calophylla	61 NS

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESENCE

SITE No RED HILL 2

Date 23/7/95

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
Eucalyptus Wandoo			✓					Adjacent			
								Dialla dwericata			
								Isopogon			
								Isopogon			
MALLEES											
Wandoo is malleaying											
				GRASSES							
				Stipa elegantissima	8		✓				
				Bryla maxima							
				Tufted grass = Neur			✓				
SHRUBS											
HAKEA MYRTOIDES	1	✓	✓					SEDGES			
CRYPTANDRA (sp) scoparia	2	✓	✓								
GREVILLEA bipinnatifida	3	B	✓								
DAVIESIA hirtida	4		✓								
LOMANDRA preissii	5		✓								
				HERBS							
Hakea pinnacea		✓	✓	Stylidium bulwerianum	6		✓				
Myandrea nivea	1	✓	✓	Bryla nitida	7		✓	Weeds			
Metaleuca acerosa			✓	Chenopodium ambrosioides			✓	Creosia aff. leich.			✓
Acacia dulchella (bud)			✓	Opereularia uarnata	7		✓				✓
Xanthorrhoea acanthostachya?			✓	Isopogon glabella			✓				
Nerica spatulata			✓	Bulbocordia (in bud) cong			✓				
Synaphea pinnata			✓	Brodiaea menziesii (sterile) soppen.			✓				
Ternstroemia laevis (in bud)			✓	Xanthosia candida			✓				
Hakea hexacarpha (pink)			✓	Thlaspi (in bud) camp.			✓				
[Bulbocordia] ?											
				Ursinia anth.			✓				
Isopogon dubius			✓	Erodium cicutarium			✓				
Thomasia foliosa			✓								

Note: Melaleuca in site description, not on list, possibly Darwinia citradora.

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESENCE

SITE No RED HILL 9

Date

23/7/95

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

Record on Sheet

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

From 'B
B. Keig
Wildfl
64 Nedl

Lep. Type C
Lep. Scaberrima
dedebase?

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)
Euc. WANDOO	1			Hibbertia comutata	29	0	✓	FERN CHEIL. AUSTR. 38 ✓
Syn. acutiloba				OPERCULARIA VAG.	40	0	✓	GLADIOLUS ? CARY 39 ✓
Utricularia				* Calceolaria disticha				BULBOUS WEED (BABIANA) 41 ✓
Acacia ornata (sp?) (= m. n. n. n.)				1/11/96 Hemigen sericea				HAEMADORUM SIMULANS 42 ✓
* Briza minor				1/11/96 Briza minor				BORITIA NITIDA 43 ✓
Stipa compressa				Quercus agrifolia				SPUNKY (too young) 44 ✓
MALLEES				Quercus agrifolia				HAEMADORUM SP 45 ✓
Wahlenbergia preissii				Quercus agrifolia				DROSERA SP (seedling) 46 ✓
* Ursinia anthem				GRASSES				BURCHARDIA ? CONGESTA 47 ✓
Cheilanthes austro				GRASS 2 = seedling	28			YAM G. = DIOS. HAST 48 ✓
Trochoneuron elatior				(prob * Briza max)				DROSERA URTICARIA
SHRUBS				1/11/96				ELYTHROHIZA
XANTHORREA ? ACUTILoba	2	✓		* Hyp. glabra				Darwinia pinetiorides
HAIRER SP (?) ERINACEA	3	✓		Stachys alba				SEDGES
PETROPHILE (SP ?) BILOBA	4	✓		Xanth candida				LEPODASPERMA TENUE 34 ✓
CALATHAMNUS QUAD.	5	✓		* Briza max				1/11/96
DARWINIA CITRADORA	6	✓		Levenhook. stip				Haem. = 03 = disolor
ISOPOGON DUBIOS	7	✓		Neur. alop.				Haem. = 04 = simulans
Darwinia horrida	8	✓		HERBS				Podop. lessonii
TRYMALIUM FLORIBUND	9	✓		STYLID BULB	21	✓		Boriza (USP) sphaera
HIBBERTIA SUBVAG.	10	✓		DROSERA MAC. SSP MAC	22	✓		Lam. squarrosa
ISOPOGON (SP ?) ASPER	11	✓		XANTHOSIA CANDIDA	23	✓		Achn. leucoceph
ACACIA (SP ?) PULCHRA	12	✓		(ORCHID) = CHAEM VERS	25	✓		* Achn. can
PEA SP ? Nemcia spath.	13	✓		THYPOXIS CLABELLA	26	✓		* BROWNUS hordereum
ASTROLOMA RALLIDUM	14	✓		ELITACAE ? / NEUR. ALOP.	27	✓		* Parentucellia (stipula)
Acacia ? Synaloe pinetiorides	15	✓		LOXYC. FLEX	30	✓		Goodenia micrantha
GREVILLEA BIPINNATA	16	✓		(GUILDFORD GRASS ?) Rom Ros	31	✓		Hibb. aurea
DRYANDRA LINDLIA (NIVEA)	17	✓		DAVUS GLOCHID ?	32	✓		Gomp. poly (yet)
PEA SP ? SEEDLING	18	✓		DIOS. HAST	33	✓		ADJOINING SPR.
HIBBERTIA HYPERICOIDES	20	✓		ORCHID (PURPLE POWER)	35	✓		SYNAPHEA sp.
DARWINIA THYMISIDES	19	✓		NEURACHNE ALOPEC.	36	✓		Sphaerophilus linifolia
FALSE BORONIA	24	0		CASSITHA POMIFORMIS	37	✓		Homa roma

~~PITILANTHUS CALY~~

~~? CANIC. SERICEA~~ [possibly ELYTH. BRUN.]

170

1/11/96 Single ■ *Brevillea endlicheri* (+ Grev bip on rd boundary)

■ *Centrolepis cristata*

■ **Anagalis arvensis*

■ *Levan. stip.*

■ *Danthonia* vsp sp

■ *Leucopogon* sp
(seedling)

■ *Crocodenia coerulea*
(sterile)

■ *Thys. pul/may* (fruit)

■ *Styrost. scaberrum*

■ **Galium divaricatum*