

NR01

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA HOTHAM RIVER SITE NUMBER I
 DATE TRIP 26/8/97 RECORDERS L/M/G/W
 DATE TRIP 8/10/99 RECORDERS AW/GK/NG
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

FROGS camera NEARBY 5.45pm after light shower

Road Location N

Geographic Location	Latitude <u>GPS</u> Map Sheet	Longitude Accuracy	Altitude
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Photograph	Name <u>NG</u>	Number <u>22</u>
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Topographic Position	(Circle the correct response)
Upland Upper slope Midslope	Lower slope <u>Valley</u> Washline

2. SITE DATA Circle the correct response

Slope <u>flat</u> gentle steep	Aspect <u>N</u> NE E SE S SW W NW
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Surface Soil <u>sand</u>	Depth to Rock	Colour <u>yellow</u>
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Exposed Rock type	% surface cover <u>NONE</u>	size range
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Litter <u>lvs, twigs</u>	% surface cover <u>50/70</u>	Depth (cm)
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Bare Ground	% surface cover <u>10/30</u>
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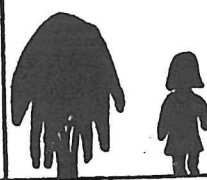
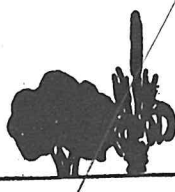
BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Mulr)- use pencil only

3. VEGETATION STRUCTURE AND COVER

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

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

	TREES			MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	<1	30/50			
DOMINANT SPECIES	Alloc. hurg	Banks. prin			

	SHRUBS				SHRUBS
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	<1	2/10		2/10	
DOMINANT SPECIES	Xanth. drum	Leptos. eubr		Consp. sto	5. Erem. pauc

	GRASSES	HERBS	SEDGES	over 0.5m	under 0.5m
	LIFE FORM				
COVER CLASS (%)					2/10
DOMINANT SPECIES					Mes. pr

4. VEGETATION CONDITION

Comments

Very good

NKØ1

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20x20

5. SPECIES PRESCENCE

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

SITE No HOTHAM 1

Record on Sheet

Date 26-8-97

8-10-1999

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

same

TREES	No	FI	ID	SHRUBS (cont.) 8/10/99	No	FI	ID	HERBS (cont.)	No	FI	ID
Allocas hueg. -			✓	X Wahlenbergia ibicus -				Ranuncula vicia -			✓
Banks prichates -			✓	X Trachymene pilosa -				Stylid repens -			✓
				X Helichrysum laurifolium -				" piliferum -			
				X Anagallis arvensis -							
				X Pterodroma pinniculata -							
				X							
MALLEES				X							
				X							
				GRASSES							
				Danthonia (hary) -							
				Stipa elegant -		✓	1	Isotris marginal -			
				" ? + Schophyll -							
SHRUBS				Neurachne alopec -		✓					
Eremaea paucif -			✓	Amphipogon herb -				SEDGES			
Xanth. drummond -			✓					preissii -			
Leptosperm erubesc -			✓					Mesomelicena styg -			
Conospermum stuech -			✓					Lepidob. hart preissianus -			
Acacia ? pulchellum -			✓	lasiocarpa var sedifolia -				Caustis diocia -			
Calytrix lechenaultii -	usp		✓	* Vericordia densiflora (8/10/99) -		✓		Loroc Megalotheca striata -			
Vecticordia A -			✓	HERBS							
Comesperma scoparium -			✓					7/10/1999			
Petrophile rhynch (lus) -			✓	Hypoch. glabra -		✓		X Vicia caryophylla -			
Jacksonia bracteata -			✓	Conostyl. setig. pusilla -		usp		X Schoenus nanius -			
stenoptera -			✓	Ursinia cantheroides -		usp		X Podotrocha angust -			
Acacia ? truncata -			✓	Carpobrotus modestus -		✓		X Millotia tenuifolia -			
Daviesia cardiophylla -				Dracopis zonaria -		✓		X Lobelia tenuior -			
				Caladenia glava -		✓		X Briza max -			
				Stylidium bulbif -		✓		X Hyalopern demiss -			
Hibbertia hypericoides -				Podolepis canaliculata -		✓		X Paranthura microphylla -			
				? lobelia -		✓		X Centrolepis pilosa -			
				Laxmann squarr -		✓		X Blennospora drumm -			
				Stylid piliferum -		✓		X Asparagus aspara - (seedling)			
				Thys pat/mangi -				X Vitellaria rhadinopoda -			

X Lolium rigidum -

X Phyllangium paradoxum -

NR02

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA HIGHBURY SITE NUMBER TWO
 DATE TRIP 26/8/97 RECORDERS Louise/Nal/Greg/Milae
 DATE TRIP 6-10-1999 RECORDERS Ng/KK/AW
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Geographic Location	Latitude GPS Map Sheet	S Longitude Accuracy	E Altitude

Photograph	Name	Number
	<u>N. Gibson</u>	<u>19</u>

Topographic Position	(Circle the correct response)
Upland	Lower slope
Upper slope	Valley
<u>Midslope</u>	Washline

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>sand</u>	Depth to Rock	?	Colour	<u>grey</u>

Exposed Rock	type	<u>NONE</u>	% surface cover	size range

Litter	<u>Branches, twigs, leaves</u>	% surface cover	<u>30/50</u>	Depth (cm)	<u>2-5cm</u>

Bare Ground	% surface cover	<u>30/50</u>

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

3. VEGETATION STRUCTURE AND COVER

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

Cover Class	2-10%	10-30%	30 - 70%	over 70%
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TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	10/20				
DOMINANT SPECIES	<i>Euc. calophylla</i>				
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	20/30				20/30
DOMINANT SPECIES	<i>Dryandra sessilis</i> <i>Hakea prostrata</i>				<i>Bossiara eriocarpa</i>
GRASSES		HERBS	SEDGES		
			over 0.5m		under 0.5m
LIFE FORM					
COVER CLASS (%)	<2	10/20			10/20
DOMINANT SPECIES					<i>Desm. aspera</i>

4. VEGETATION CONDITION

Comments

excellent - v. good

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 Highbury 2

Record on Sheet

Date 26-01-97

0-10-99

NR 02

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

20+20

Euc. wandoo (rare) -

Allocas. huegeliana -

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc. calophylla -				✓ Klennospora ? drummond -		✓		Conostyl acul -			✓
				✓ Milloltia ? myost tenuif -		✓		Calandrinia granulif -			✓
				Tricoryne platilox -		✓		Trachym pilosol -			✓
				Parentucellia latifolia -		✓		Podolepis ? calveasen -			✓
				Stypanandra glauca -				Thysanotus paterson -			✓
				Drosera macbrathia -				Lawrencella davenp -			✓
MALLEES				Patersonia juncea -				Hypochaeris glabra -			✓
				Arthropod capill -				Waitzia lacum -			✓
				GRASSES				Stylid pilif -			✓
				Stipa ? (pycnostachya) 6/10 -		✓		Laxmann squar -			✓
				Danthonia -				Diuris corymbos -			✓
SHRUBS				Neurachne alope -		✓		chaemascill corymb -			✓
Dryand sessilis -	✓			Vulpia myuros -		✓		Lomandra collina -			✓
Alakea prostrata -	✓							SEDGES			
Bossiaea eriocarpa -	✓			✓ Rhododend. Caerns 26/8 -		✓		Schoen : curvitolius -	✓	usp	
✓ Jackson. sternbergian -	✓			✓ Urtica atrice 26/8 -		✓		Desmodiad aspera -	✓	usp	
✓ Operculoria vagin -	✓							Lepidosperma (lge) -	✓	usp	
✓ Gasterol. microcarpum -	✓			✓ cary cinium (usp) -				Desmodi fascicul -	✓	usp	
✓ Phyllanth calyell -	✓			HERBS				Retraria oct -	✓		
✓ Astroloma prostratum -	✓	usp		Caladenia flava -		✓		Lepidosperma (sm) tenuis -	✓	usp	
Glischrocoryon laurea -	✓	✓		Pterostylis recurva -		usp		" scaberrima leptostylis -	✓	usp	
✓ Urtica camp -	✓			Ursinia anth -		✓		" prunosum -	✓	usp	
Hakea lissocarpa -	✓			Sauverbaea laxiflora -		✓					
Astroloma (stb compact) -	✓			Stackhous monogyna -		✓		Hypoxis glabella -			✓
✓ Hibbertia commutata -	✓	usp		Hibbertia -		usp		✓ Lobelia tenuis -			✓
				Ania humilis -		✓		✓ Wahlenbergia preussii -			✓
				Lomandra micrantha -		✓		G 6/10/99!			
				Dianella brevicau -		✓		X Waitzia citrina -			
				Conostyl setigera -		✓		X Lobelia rhombif -			
				Isotrop cuenif -		✓		X Arctotheca calendula -			
				Lagom. huegelii -		✓		X Brachycome iberid -			
				Brach. sphaeroceph -		✓	usp	X Grossula colorata var colorata -			

usp coll outside

X Phyllangium paradox -

X Triptococcus brunonis -

X Lomandra nutans -

X Helichrysum leucopsidum -

X Paranthra microphylla -

X Aira caryophyllea -

NR03

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA DRYANDRA SITE NUMBER TWO

DATE TRIP 25/8/97 RECORDERS C/M/A/N

DATE TRIP 7-10-99 RECORDERS AW/GK/NG

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

cut over for timber!

Road Location N Attunga Rd, Dryandra

Geographic Location	Latitude GPS Map Sheet	S Longitude Accuracy	E Altitude

Photograph	Name	Number
	<u>N. Gibson</u>	<u>11</u>

Topographic Position	(Circle the correct response)
Upland Upper slope <u>Midslope</u>	Lower slope Valley Washline

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	Depth to Rock	Colour

Exposed Rock	type	% surface cover	size range

Litter	70/90	% surface cover	Depth (cm)

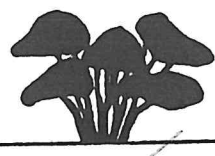
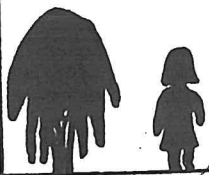
Bare Ground	22	% surface cover

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

3. VEGETATION STRUCTURE AND COVER

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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 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	2/10				
DOMINANT SPECIES	<i>Euc. wandoo</i>				
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)					
DOMINANT SPECIES		<i>Gastrolobium microcarpum</i>			<i>Astr. epacridis</i>
GRASSES		HERBS	SEDGES	SEDGES	
			over 0.5m	under 0.5m	
LIFE FORM					
COVER CLASS (%)	2/10	10/30			
DOMINANT SPECIES	<i>Stipa trich</i>	<i>Styl. uniflorum</i>			

4. VEGETATION CONDITION

Comments

excellent

NR04

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA DRYANDORA SITE NUMBER ONE

DATE TRIP 25-8-97 RECORDERS NG/ML/GK/K

DATE TRIP 7-10-99 RECORDERS NG/GK/AW

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location CONGELIN RD, DRYANDORA

Geographic Location	Latitude GPS Map Sheet	S Longitude Accuracy	E Altitude

Photograph Name NA Number 9/10

Topographic Position (Circle the correct response)

Upland	Lower slope
Upper slope	<u>Valley</u>
Midslope	Washline

2. SITE DATA Circle the correct response

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

Surface Soil _____ Depth to Rock _____ Colour red/brown

Exposed Rock type NONE % surface cover _____ size range _____

Litter 70 % surface cover _____ Depth (cm) 1/2 cm

Bare Ground 2/10 % surface cover _____

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

TWIGS/
LEAVES

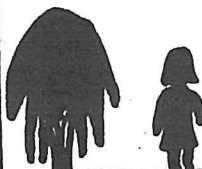
BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Mulr)- use pencil only

3. VEGETATION STRUCTURE AND COVER

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

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

TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	2/10		A 2/10		
DOMINANT SPECIES	<i>Euc. wandoo</i>		<i>Acacia acuminata</i>		

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)					2
DOMINANT SPECIES					<i>Gast. microcarpum</i>

GRASSES		HERBS	SEDGES	over 0.5m		under 0.5m	
LIFE FORM							
COVER CLASS (%)		10/20	10/20			10/20	
DOMINANT SPECIES		<i>Lepidosp.</i>	<i>Lepid.</i>			<i>Lepidosp.</i>	
		Mixed	<i>Loxo. cinerea</i>			<i>Loxo. cinerea</i>	

4. VEGETATION CONDITION

Comments

excellent

NK 44

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

- Column 1 plant name

- Column 2 plant number

• Column 3 flowering time- TICK if species flowering

- **Column 4** **identification** **check**

Photo 9/10

[illegible]

NR05

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA DRYANDORA SITE NUMBER THREE

DATE TRIP 25/8/97 RECORDERS L/M/N/G

DATE TRIP 7-10-1999 RECORDERS AN/NG/G12

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Geographic Location	Latitude GPS Map Sheet	S Longitude Accuracy	E Altitude

Photograph	Name	Number
	<u>N. Gibson</u>	<u>12</u>

Topographic Position	(Circle the correct response)
<u>Upland</u> <u>Upper slope</u> Midslope	Lower slope Valley Washline

2. SITE DATA Circle the correct response

Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	SE	S <u>SW</u>	W	NW

Surface Soil	Depth to Rock	Colour

Exposed Rock	type	% surface cover	size range

Litter	<u>70/90</u>	% surface cover	Depth (cm)	<u>5-15cm</u>

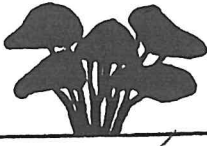
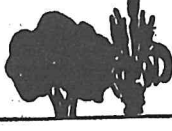
Bare Ground	☐	% surface cover

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

3. VEGETATION STRUCTURE AND COVER

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

Cover Class	2-10%	10-30%	30 - 70%	over 70%
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TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM			 		
COVER CLASS (%)	2	8/10/20			
DOMINANT SPECIES	<i>Euc. calophylla</i>	<i>Alloc. huegel</i>			
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM	 				
COVER CLASS (%)	10/20				
DOMINANT SPECIES	<i>Leptospermum rubescens</i> <i>Xanthorrhoea preissii</i>				
GRASSES		HERBS	SEDGES	SEDGES	
			over 0.5m	under 0.5m	
LIFE FORM	 	 	  	  	
COVER CLASS (%)				20/30	
DOMINANT SPECIES				<i>Tetradlea capillaris</i>	

4. VEGETATION CONDITION

Comments

excellent

NK05

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20720

5. SPECIES PRESENCE

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

SITE No Dryandra 3

Record on Sheet

Date 25-8-1997

7-10-1999

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

Same "Dryandra" tuberculata stems

TREES	No	FI	ID	SHRUBS (cont.) 7/10/99	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc. calophylla				X Arctotheca calendula				X Pterostylis aff nana			
Allocas huegeliana				X Pha Acacia appinata				Anagallis diffensis			
Euc. wandoo			✓	X Adiantum citrinella (Rhodantheca citrinella)				Dalmanella glaberrima			
				X stipoid				Trachymene pilosa			✓
				X Drosera menziesii				Chaemaliscilla corymb			
				X Phyllanthum paradox				Lawrencella daven			
MALLEES				X Hypochaeris glabra				Drosera glanduligera			
				X Salix salum murale				Caesia micrantha			
				GRASSES				Cryptostylis tenuif			
				Nerachne alopecur				7/10 Oenothera = Vellaea			
				Tetrasphaera larvis							
SHRUBS				Briza maxima				SEDGES			
Xanthorrhoea preissii			✓	X Austrostylis pycnostachya				X Tetrasia capillaris			
Trymal. ledi rosmarinii			✓	Linaria				X Lepidosperma costale			
Banksia setacea			✓					X Tetrasia octandra			
Dryandra forsteri frus			✓					Desmod. aspra			✓
Leptospermum rubesc			✓								
Glastolobium spinosum			✓	HERBS							
() " microcarpum			✓	Caladenia flava			✓				
Macrozamia riedleii			✓	" leptans			✓				
Hibbertia montana/komm			✓	Thysanotus tenellus			✓	Calotham quadrif			
Hakea lissocarpa			✓	" pat/mang			✓				
Tetratheca (nuda)			yes	Lagenaria hueg			✓				
Gomph. margin				Hypoxis occident			✓	Hakea trifurcata (adj)			
Stackhousia monogyn			✓	Stylidium uniflorum			✓				
Astroloma pallidum			✓	Burch congesta			✓				
				Drosera stolonif			✓				
				Gonocarp nodulosus			✓				
				Eryng pinnat							
				Thelym 1 sp							
				X Diuris ? Recta / argentea							

7/10 X Haemodorum spicatum
X Vellaea trineura

ADD Templetonia drummondii
25/8

NR06

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA HIGHBURY SITE NUMBER ONE
 DATE TRIP 26/8/97 RECORDERS ML/GK/NG
 DATE TRIP 6-10-99 RECORDERS NG/GK/AW
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

note: cut over, > 50 yrs
 grazed - rabbits till recut
 rubbish scattered thru
 patches annual grasses scattered thru

Road Location

Geographic Location	Latitude GPS Map Sheet	S Longitude Accuracy	E Altitude

Photograph	Name	Number
	<u>N Gibson</u>	<u>16</u>

Topographic Position	(Circle the correct response)
Upland	Lower slope
Upper slope	Valley
Midslope	Washline

2. SITE DATA Circle the correct response

Slope	Aspect
<u>flat</u> gentle steep	N NE E SE S SW W NW

Surface Soil	Depth to Rock	Colour
		<u>brown</u>

Exposed Rock	type	% surface cover	size range
		<u>0</u>	

Litter	% surface cover	Depth (cm)
<u>twigs, bark, WS</u>	<u>70/90</u>	<u>2-5</u>

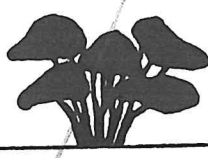
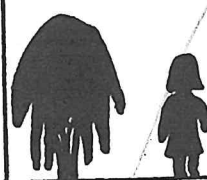
Bare Ground	% surface cover
<u>2</u>	

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

3. VEGETATION STRUCTURE AND COVER

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

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

	TREES			MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	2/10		2		
DOMINANT SPECIES	<i>Euc. longicornis</i> <i>Euc. wandoo</i>		<i>Ac. acuminat</i>		
SHRUBS					SHRUBS
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)					2
DOMINANT SPECIES					<i>Ac. cingae</i>
GRASSES		HERBS	SEDGES		under 0.5m
	over 0.5m		over 0.5m		
LIFE FORM					
COVER CLASS (%)	10/30	2/10			
DOMINANT SPECIES	<i>Elych / longifl</i>	<i>Lom effusa</i> <i>Podolepis</i> <i>Dianella</i>			

4. VEGETATION CONDITION

Comments

good - very good

NR 06

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20x20

5. SPECIES PRESCENCE

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

SITE No Highbury I

Record on Sheet

Date 26-8-97

6-10-1999

NR 06

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

Same

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc wandoo -		✓						6/10/1999			
" longiconis -		✓						X Helichrysum leucopsid -			
								X Aiza caryophyllae -			
								X Calandrinia II -			
								X Stipa hemipson -			
								X Pterostylis recurva -			
MALLEES								X Anagallis arvensis (blue) -			
								X Lagotis huegelii -			
				GRASSES				X L. (blue) rigidum -			
				Neurachne alopecuroides -	✓			X Kennedyia prostrata -			
				stipa elegantissima -	✓			X Lepidium rotundum -			
SHRUBS				Ehrharta longiflora -	✓						
Ac. acuminata -		✓		Briza maxima -	✓						
				Brizopyrum robustum -				SEDGES			
				Vulpia myuros -				X Lepidosperma tenuis -			
				Danthonia (hairy) -				D. smoklad aspera -			
				HERBS							
				Dianella brevicaulis -			✓				
				" revoluta -			✓				
ADT Acacia pycnantha 26/9 -				Oxalis perennans -			✓				
				Lomandra effusa -			✓				
				Ursinia anthemoides -			✓				
				Hypochaeris glabra -			✓				
				Calandrinia calytrata -			✓				
				Pterostylis - (green thick) -			✓				
				Ptilotus manglii -			✓				
				Thys pat manglii -			✓				
				Helichrysum leucopsidum -	26/8		✓				

NRO7

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA HIGHBURY SITE NUMBER FOUR
 DATE TRIP 26-8-1997 RECORDERS L/M/G/N
 DATE TRIP 6-10-99 RECORDERS G/N/RW
 DATE TRIP _____ RECORDERS _____

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
	<u>GPS</u>	Accuracy	
	Map Sheet		

Photograph	Name	Number

Topographic Position	(Circle the correct response)
Upland	Lower slope
Upper slope	<u>Valley</u>
Midslope	Washline

2. SITE DATA Circle the correct response

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

Surface Soil red sandy loam Depth to Rock ? Colour orange

Exposed Rock type NONE % surface cover _____ size range _____

Litter mostly lvs stems, twigs % surface cover 50/70 Depth (cm) 2-5

Bare Ground % surface cover 2/10

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 Highway 4

Record on Sheet

Date 26 Aug 1997

6-10-1999

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

20x20

same

NR 07

TREES				No	FI	ID	SHRUBS (cont.)				No	FI	ID	HERBS (cont.)				No	FI	ID	
Euc wandoo						✓								Sowerbaea laxif						✓	
H.c. acum						✓							✓	Wurmbea tenella							
Allocas huegeliana						✓								Caladenia dilatata						falcata	
														Parentucellia lat							
														Chaem corymb							
													✓	Wurmbea dioica							
MALLEES														Thysanotus tenellus						✓	
													✓	Podolepis lessonii						✓	
							GRASSES							Wahlenbergia preiss							
							Briza max						✓	Blennoxia drumm						✓	
							Aeluropachne alopec						✓	Rhodanthe laevis							
SHRUBS																					
lavandulacea							X	Stipa													
Dampiera						✓	X	Dantholnia													
Opercul vag						✓															
														SEDGES							
														Lepidosperma (areto)						leftostalgum	
														Desmodium asper							
														Lepidobolus preissianus						✓	
														6/10/99							
							HERBS														
							Ursinia anth						✓								
							Hypoch glab						✓	X Borya sphaeroc							
							Rohmulea rosea						✓	X Ehrharta linnellia							
							Thys pat						✓	X Podolepis gracilis						✓	
							Erbdium cicut							X Pteranthura microphylla							
						✓	Yonocarpus nodulosus						✓	X Trachymene cyanoptala							
							Arctotheca calend						✓	X Podolthera angust							
							Waltzia acum							X Planella							
							Trachymene							pilosa 6/10							
						✓	Caladenia (red) hoffman							X Conostylis aculeata							
							Caesia micrantha						✓	X Arctotheca calendula							
							Homalosc homalocarp						✓	X Lomandra caespitosa							
						✓	Phyllanthus paradox						✓	X Urtica cyndipotam						✓	

NR08

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA HIGHBURY SITE NUMBER THREE
 DATE TRIP 26-8-97 RECORDERS L/G/N/M
 DATE TRIP 6-10-99 RECORDERS Ng/gK/AW
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Geographic Location	Latitude GPS Map Sheet	S Longitude Accuracy	E Altitude

Photograph	Name	Number
	<u>N. Gibson</u>	<u>20</u>

Topographic Position	(Circle the correct response)
Upland <u>Upper slope</u> Midslope	Lower slope Valley Washline

2. SITE DATA Circle the correct response

Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	SE	S	SW	W	<u>NW</u>

Surface Soil	<u>sandy clay</u>	Depth to Rock	<u>50cm</u>	Colour	<u>orange-brown</u>

Exposed Rock	type	<u>laterite</u>	% surface cover	<u>2-10</u>	size range	<u>5-10cm</u>

Litter	<u>leaves</u>	% surface cover	<u>20/30</u>	Depth (cm)	<u>2cm</u>

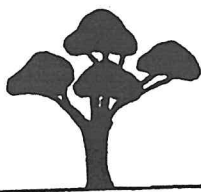
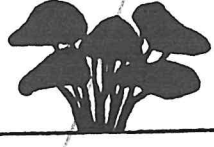
Bare Ground	<u>20/30</u>	% surface cover)

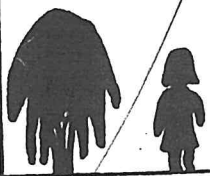
BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Mulr)- use pencil only

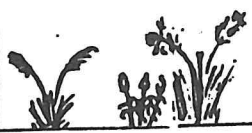
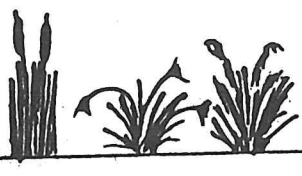
3. VEGETATION STRUCTURE AND COVER

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

Cover Class	2-10%	10-30%	30 - 70%	over 70%
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TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)					
DOMINANT SPECIES		<i>Euc. wandoo</i> L1			

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)				B 50/70	
DOMINANT SPECIES				<i>Allocas. hum.</i> <i>Hakea lehmann</i> <i>Dav. rhomb</i>	<i>Dry armda</i>

GRASSES		HERBS	SEDGES	over 0.5m		under 0.5m	
LIFE FORM							
COVER CLASS (%)	L2					10/20	
DOMINANT SPECIES	<i>Neerachne alopec</i>					<i>Mes. preissii</i>	

4. VEGETATION CONDITION

Comments

excellent

20x20

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

SITE No Highbury 3

Record on Sheet

Date 26 J 8-1997

6-10-1999

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

E. wandoo —

[illegible]

arnoldii

NR09

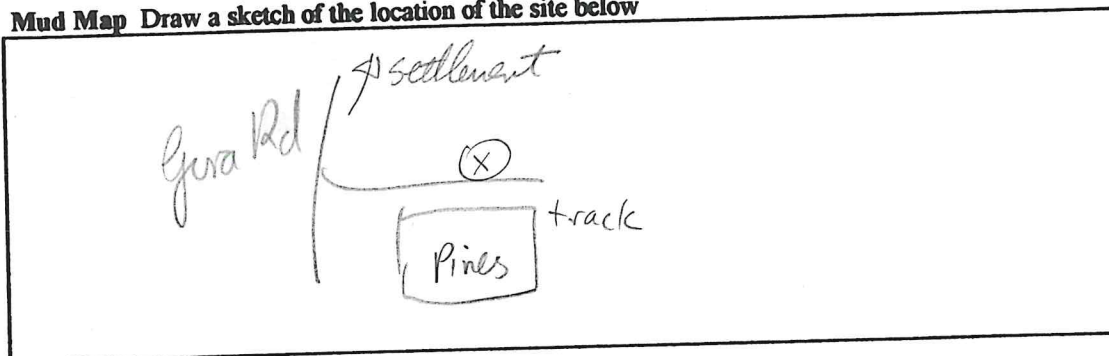
BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA DRYANDRA SITE NUMBER FIVEDATE TRIP 26/8/1997 RECORDERS Louise etcDATE TRIP 6-10-199 RECORDERS AW/GK/NG

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location

Geographic Location	Latitude GPS Map Sheet	S Longitude Accuracy	E Altitude
---------------------	------------------------------	-------------------------	------------

Photograph	Name <u>N. Gibson</u>	Number
------------	-----------------------	--------

Topographic Position	(Circle the correct response)
Upland	<u>Lower slope</u>
Upper slope	Valley
Midslope	Washline

2. SITE DATA Circle the correct response

Slope	flat	<u>gentle</u>	steep	Aspect	<u>N</u>	NE	E	SE	S	SW	W	NW
-------	------	---------------	-------	--------	----------	----	---	----	---	----	---	----

Surface Soil	<u>deep grey sand</u>	Depth to Rock	Colour
--------------	-----------------------	---------------	--------

Exposed Rock	type	—	% surface cover	size range
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Litter	% surface cover	<u>60/70</u>	twigs, leaves	Depth (cm)	<u>2-5</u>
--------	-----------------	--------------	---------------	------------	------------

Bare Ground	% surface cover	<u>20/30</u>
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BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Mulr)- use pencil only

3. VEGETATION STRUCTURE AND COVER

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

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

TREES			MALLEES		
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	Euc. calophylla				
DOMINANT SPECIES	2				
SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	Dry. sessilis		2/10		1
DOMINANT SPECIES	30/50		B. ovalata, B. microphylla		H. h. enervia
GRASSES		HERBS	SEDGES	over 0.5m	
				under 0.5m	
LIFE FORM					
COVER CLASS (%)		2			
DOMINANT SPECIES		Hyper. glabra ursinia anth			

4. VEGETATION CONDITION

Comments

very good, heavily grazed

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

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**

 20×20

Nuytsia floribunda

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc. calophylla -			✓					Daucus glochid -			✓
								Calad discoidea -			
								Pterostyl off nana "DRINA" -			
								Thys pitersoni -			✓
								Brlza max O -			✓
								Anag orvensis -			✓
MALLEES								Podotherca gnaph -			
								Lemurella J flimb -			
				GRASSES				Conostylis setigera -			✓
				Danthonia -				? Lurdenia -			
				stipa -				Calandrinia granulif -			✓
SHRUBS			✓								
Dry sessilis -			✓					SEDGES			
Hibb enervia -			✓					Cautis dioica -			✓
Bossiaea eriocarpa -			✓					Desmod aspera -			✓
Hibbertia mont/kennetha -			✓					" fruticularis -			✓
Conospermum strech -			✓					Hypodamia exsulca -			✓
Calytrix flavescens -			✓					6/10/1999			
Petrophile melodia - (dead)			✓	HERBS				X Aira cryphylllea -			✓
Statkhouisia monogyna -			✓	Caladenia flava -			✓	X Wahlenbergia preiss -			
Adenanth. cygn - (dead)			✓	Ursinia anth -			✓	X Bromus -			
Amaryma mig nelli -			✓	Hypochaeris glabra -			✓	X Vulpia myuros -			
				Lewyenia davenportii rosea -			✓	X Podotherca angustif -			✓
				Trachymene pilosa -			✓	X Calandrinia callioprate -			(UP)
				Isotrop cueni -			✓	X Waitzia citrina -			
				Millotia myosot taw flor -			✓	X Blennospora drum m -			
				Puranthera microphyll -			✓	X Centrolepis pilosa -			✓
				Drosera macrantha -				X Lobelia tenuior -			
				Waitz acum -				X Podolepis canescens -			
				Kennedia prost -				X Isotepis marginata -			✓
				Crassula collar -			✓				
				Tri folium sp -							

- ✓ *Diporeia subshint* subshint 26/7
- ✓ *Watzgia nitida*

NR10

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA DRYANDRA SITE NUMBER SIX
DATE TRIP 26/8/97 RECORDERS Louise etc
DATE TRIP 6/10/1999 RECORDERS NG/GK/AW
DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Geographic Location	Latitude GPS Map Sheet	S Longitude Accuracy	E Altitude
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Photograph	Name <u>N. Gibson</u>	Number <u>14</u>
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Topographic Position	(Circle the correct response)
Upland	Lower slope
Upper slope	Valley
Midslope	Washline

2. SITE DATA Circle the correct response

Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	SE	<u>S</u>	SW	W	NW
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Surface Soil	Depth to Rock	Colour
--------------	---------------	--------

Exposed Rock	type	<u>2</u> % surface cover	<u>labrite</u>	size range	<u>20/40 cm</u>
--------------	------	--------------------------	----------------	------------	-----------------

Litter	<u>50/70</u> % surface cover	<u>Logs, twigs, lvs</u>	Depth (cm)	<u>5-2 cm</u>
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Bare Ground	% surface cover)	<u>2-10</u>
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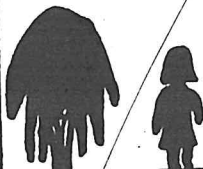
BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Mulr)- use pencil only

3. VEGETATION STRUCTURE AND COVER

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

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

TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	Euc. loxoph		< 2		
DOMINANT SPECIES	20/30		Ac. acuminata		

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

GRASSES		HERBS		SEDGES	
	over 0.5m		under 0.5m		
LIFE FORM					
COVER CLASS (%)	2/10	20/30			
DOMINANT SPECIES	Stipa Danthonia	Mix ed			

4. VEGETATION CONDITION

Comments

Excellent

(NR 10)

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20720

5. SPECIES PRESENCE

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

SITE No DRYANORA 6

Record on Sheet

Date 26-8-97

6-10-1999

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

Euc. wandoo -

Santalum spicatum -

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc. loxophlebia -	✓			Crassula colorata -				Bromus -			
Acacia adumalata -	✓			Thysanotus tenellus -				Craspedia variabilis -			
				Bulbine semibarbata -				Erodium cicut -	✓		
				Trachymene pilosa -				Daucus gloch -	✓		
								Romulea rosea -			
								Cyrtostylis -			
MALLEES								Ursinia anth -	✓		
								Thys pat/man -			
				GRASSES				Centrolepis aristata -			
				Neurachne alopecuroid -	✓			Millotia myosot tenuif -	✓		
								ptilotus manglesii -			
SHRUBS				Austroanthonia setacea -				Aira cupiana -	✓		
Astragalus epacrid -	✓							Arthropod preissii -	✓		
Astral. microcarpum -	✓							SEDGES			
								Desmodium aspera -	✓		
								chorizandra enodlis -	✓		
								6/10/1999			
								X Arctotheca calendula -			
6/10				HERBS				X Calandrinia alpestris (sr) -			
Hydrocotyle callicaulis -				Borya laciniata -	✓			X Trifolium dubium -			
Calandrinia aristata				" scirpioides -	✓			X Briza minor -			
Millotia tenuiflora				Hypochaeris glabra -	✓			X Crassula colorata varium -			
				Hagenia hirta -	✓			X Bulbine semibarbata -			
				Anagallis claudum -	✓			X Galium murale -			
				Ostylid unif -	✓			X Siloxerus multiflorus -			
				Leptocarpus fimb -	✓			X Leptocarpus menziesii -			
X X (6/10) curvipes				Erynium pinn -	✓			X Brachycome laeifolia -			
				Arthropod -	✓			X Podolepis lessonii -			
				Oxalis prenanthes -	✓			X Cerastium glomer -			
				LOmandra micrantha micrantha	✓			X Caladenia chirta rosea (sr) -			
				Velleia trinervis -				X Brachycome glandulosa -			
X Ranunculus pumilio (sr) -				Caladenia flava -				X Isoterpis ceru -			

X Ophioglossum coriaceum -

X Blennospora drummondii -

X Trifolium subterraneum / T. campestris

X Hypoxis occidentalis -

X Praera menziesii var -

X Parentucella latifolia -

X Petrophagia velutina -

X Crassula pedunculosa -

NR11

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA DRYANDRA SITE NUMBER SEVENDATE TRIP 26-8-97 RECORDERS ML/L/GKDATE TRIP 6-10-99 RECORDERS NG/AN/GK

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Geographic Location	Latitude <u>GPS</u> Map Sheet	S Longitude Accuracy	E Altitude

Photograph	Name <u>N Gibson</u>	Number <u>15</u>

Topographic Position	(Circle the correct response)
<u>Upland</u>	<u>Lower slope</u>
<u>Upper slope</u>	<u>Valley</u>
<u>Midslope</u>	<u>Washline</u>

2. SITE DATA Circle the correct response

Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	<u>E</u>	SE	S	SW	W	NW

Surface Soil	Depth to Rock	10 cm	Colour

Exposed Rock	type	laterite	% surface cover	20/30	size range	5cm pebbles

Litter	twigs, lvs	% surface cover	30/50	Depth (cm)	5-10

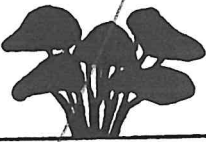
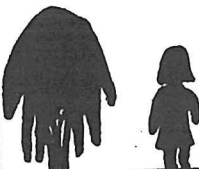
Bare Ground	<u>20</u> ✓	% surface cover	30/50

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES				MALEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)					10/30
DOMINANT SPECIES					Euc. dumum
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	10/20			20/30	2/10
DOMINANT SPECIES	Petroph. heterop Dry. nobilis Alloc. hum			Banks. sphaeroc Leptos. erub Pet. ericif	Grev. Dry. nivea
GRASSES		HERBS	SEDGES	SEDGES	
			over 0.5m	under 0.5m	
LIFE FORM					
COVER CLASS (%)	<1	2/5		10-20	
DOMINANT SPECIES		Cham. serpa		Lahnia - Scheuch - Megasthaca stria	

4. VEGETATION CONDITION

Comments

excellent

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 DRYANDRA 7

Record on Sheet

Date 26-8-97

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

✓ ^{20x20} Eucalypta - vsp

C-10-99

[illegible]

Petrophile heterophylla 26/8

NR12

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA DRYANORA SITE NUMBER FOUR

DATE TRIP 25-8-1997 RECORDERS _____

DATE TRIP _____ RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location off Yura Rd, DRYANORA

Geographic Location	Latitude GPS Map Sheet	S Longitude Accuracy	E Altitude

Photograph	Name	Number
	<u>A. Gibson</u>	<u>13</u>

Topographic Position	(Circle the correct response)
Upland	Lower slope
Upper slope	Valley
<u>Midslope</u>	Washline

2. SITE DATA Circle the correct response

Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	<u>SE</u>	SW	W	NW

Surface Soil	<u>brown loam</u>	Depth to Rock	Colour

Exposed Rock	type	<u>2%</u>	% surface cover	laterite	size range

Litter	<u>70/90</u>	% surface cover	Depth (cm)	<u>2-5cm</u>

Bare Ground	<u>2/5</u>	% surface cover

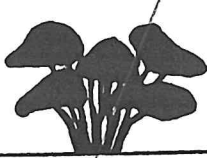
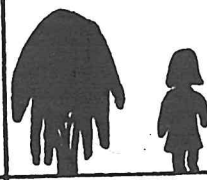
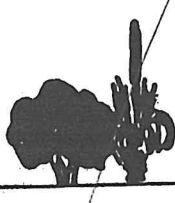
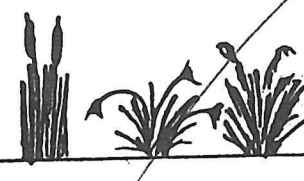
lus.
twigs

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES				MALEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	10/20				
DOMINANT SPECIES					
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2/22	2/10			<2
DOMINANT SPECIES	Santal. murray	Cast. murray			Hibbertia enervia
GRASSES		HERBS	SEDGES	over 0.5m	
				under 0.5m	
LIFE FORM					
COVER CLASS (%)	<1	<2		<2	
DOMINANT SPECIES		Mixed			

4. VEGETATION CONDITION

Comments

excellent

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. DRYANDRA FOUR

Date 25-8-1994

60 - 10 - 1999

Record on Sheet

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

20 x 20m

ired
Euc. calophylla

NR12

[illegible]

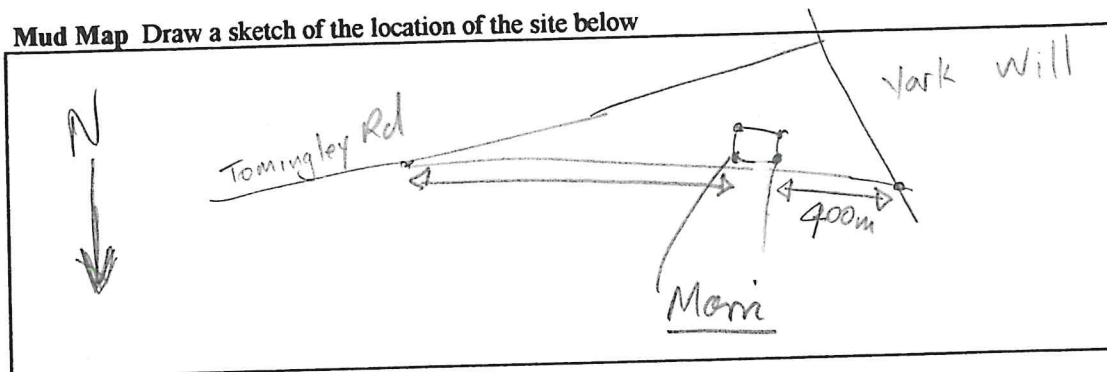
NR13

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA DRYANDRA SITE NUMBER EIGHT
 DATE TRIP 27-8-97 RECORDERS G/L/M/N
 DATE TRIP 6-10-99 RECORDERS NG/GK/WA
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location N. Tomingley Rd
 Geographic Location Latitude 32°47'18.7"S Longitude 116°53'27.2"E Altitude _____
 GPS Accuracy _____
 Map Sheet DRYANDRA HDOP 6.7

AMG
 489783
 6372139

Photograph Name NG Number 33

Topographic Position (Circle the correct response)
 Upland _____
 Upper slope _____
 Midslope _____
 Lower slope _____
 Valley _____
 Washline _____

2. SITE DATA Circle the correct response

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

Surface Soil sand Depth to Rock ? Colour grey

Exposed Rock type NONE % surface cover _____ size range _____

Litter lvs, twigs % surface cover 50/70 Depth (cm) 2-5

Bare Ground % surface cover 10/20

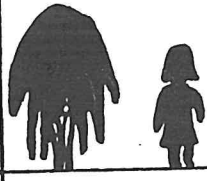
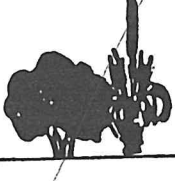
BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Mulr)- use pencil only

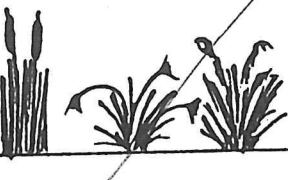
3. VEGETATION STRUCTURE AND COVER

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

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

TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	<1				
DOMINANT SPECIES	<i>Euc. caloph</i>				

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	<1			30/70	
DOMINANT SPECIES	<i>Gastrol. spinos</i>			<i>Lepto. scrub</i> <i>Bank. spharoc</i> <i>Metaleuca (grey)</i>	

GRASSES		HERBS		SEDGES	
	over 0.5m		under 0.5m		
LIFE FORM					
COVER CLASS (%)	2-10	2-10			
DOMINANT SPECIES	<i>Neurachne alopec</i>	<i>Cham. vera</i> <i>Conos. setig</i>		<i>Lepidosperma</i> <i>Equis. stricta</i> <i>Schoenus</i>	

4. VEGETATION CONDITION

Comments

excellent

20×20

5. SPECIES PRESCENCE

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

SITE No DRYANDRA 2

Record on Sheet

Date 27-8-97

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

name if required
Euc. drammondii

6-16-1999

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc. calophylla -		✓						Stylidium repens -		✓	
								6/10/99			
								X Schoenus natus -			
								X Waitzia -			
								X Levenhookia stipit -			
								X Hibbertia exaltata -			
MALLEES								X Drosera androsaceae -			
								X Thysanotus patersonii -			
				GRASSES				X Stylidium schogenocels -			
				Neurachne alopecuroid -	✓	✓		X Blechnum drumm -			
				Amphipogon debilis -	✓	✓		X Poranthura microphylla -			
								X Trachymene pilosa -			
SHRUBS								X Centrolepis humill -			
Gastrolob. spinosum -	✓	✓						SEDGES			
Banks spharocarp -	✓	✓						Caustis idioica -			
Hakea incrassata -	✓	✓						Lepidosperma resinosa -			
Melaleuca (grey) -	✓	✓		tuberculata -				Mebomia preiss (usp) -			
Synaphea glaberrima -	✓	(usp)						Tetaria octand -			
Astroloma pallidum -	✓	✓						Schoenus aff. plumosus (usp) -			
Gastrolob microcarpum -	✓	✓		HERBS				Lepidob chaet -			
Acacia ? incurvata -	✓	✓		Caladenia reptans -	✓	✓		Lepidosp tenue leptostegium -			
Leptosp. erubesc -	✓	✓		Leporella fimb -	✓	✓		Delmoclad fascic -			
Hypocalymmm angust -	✓	✓		Cenostyl setig -	✓	✓					
				Droera erythrochiza -	✓	✓					
Allocas microstachya -	✓	✓		chaemax serra -	✓	✓					
Baeckbea sericea laevisiflora -	✓	✓		laxm palacea -	✓	✓					
Billardiera -	✓	✓		Chaemascl corymb -	✓	✓					
Petrophile (Isop. villos) -	✓	✓		stylid pilikrumb -	✓	✓		Daviesia nana decurrens -			
Dryandra armata -	✓	✓		Pterostylis aff nana "D4A/BRA" -	✓	✓		6/10/99			
Petrophile brevifolia -	✓	✓		Hypochilaxis glabra -	✓	✓		X Levenhookia pusilla -			
Astroloma epacridis -	✓	✓		Caladen flava -	✓	✓		X Jacksonia can -			
				Lomand micrantha -							
				Drosera sh "P1 21" -							

pyome.

✓ Schoenus vel off brevisetis

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA SKELTON SITE NUMBER ONE

DATE TRIP 27-8-1997 RECORDERS L/M/N/G

DATE TRIP 7-10-99 RECORDERS GK/AW/NG

DATE TRIP _____ RECORDERS _____

NR14

1. LOCATION of the QUADRAT

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

Rd 32 45 26 SKELTON Block
116 51 14 NW Attunga
Rd
N of Rd
100m b/t b/way.

Road Location NW of Attunga Rd

Geographic Location Latitude 32° 45' 25.6" S Longitude 116° 51' 16.7" E Altitude
GPS Accuracy HDOOP 4.4
Map Sheet

AMG
486384
6375617

Photograph Name NG Number 32

Topographic Position (Circle the correct response)

Upland Lower slope
Upper slope Valley
Midslope Washline

2. SITE DATA Circle the correct response

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

Surface Soil loam Depth to Rock 1-10cm Colour brown

Exposed Rock type granite % surface cover _____ size range _____

Litter twigs, etc % surface cover 70/90 Depth (cm) 2cm

Bare Ground ○ % surface cover _____

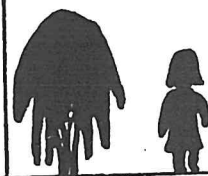
BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Mulr)- use pencil only

3. VEGETATION STRUCTURE AND COVER

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

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

TREES				MALLEES	
	over 15m	5 - 15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)		30/70			
DOMINANT SPECIES		Ailloc. hueg E. wandoo			

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	<1				2/10
DOMINANT SPECIES	Ac. acumin				stack. monogyn

GRASSES		HERBS	SEDGES	SEDGES	
				over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	<1	10/30			<1
DOMINANT SPECIES		mixed			

4. VEGETATION CONDITION

Comments

excellent

20x20

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 SKELTON ONE

Record on Sheet

Date 27-8-1997

7-10-1999

NR 14

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Allocas huegel		✓	✓	Schoenus sp		✓	✓	Plantago drummondii			✓
Euc wandoo		✓		Thys. tenellus		✓		Trachymene (pilosa)			✓
Ac. acumin		✓		Lechenh pusilla		✓		Caladenia flava			✓
						✓		Erodium cyanor			✓
							✓	Daucus glochid			✓
								Podolep lessonii			✓
MALLEES			✓	Schoenus nanus				P Waitzia nitida			✓
			✓	Blennospora drummondii				Drosera glanduligera			✓
				GRASSES				Thys pat			✓
				Nerachne alopec		✓		Velleia cynop			✓
				Danthonia		✓		Paranthera microphylla			✓
SHRUBS				Briza minor		✓		Aphelia drumm			✓
Stach. monogyna		✓		Vulpia myuros		✓		Homalos howal			✓
Astroloma praegratum		✓						SEDGES			
gastrolob spinosum		✓						Desmodium (flex) asp			✓
								6/10/99			
7-10-1999								X Abbertia commutata			✓
X Hydrocotyle pilifera				HERBS				X Caladenia dilatata			✓
X Millinia tenuifolia				Cheilanthes austro-tenuif		✓		X Stipa trichophylla			✓
X Paranthera microphyll				Lagen. sea hueg		✓		X Waitzia acumin			✓
X Arctotheca calend				stylid uniflor		✓		X Centrolepis drummond			✓
X Poentucella latifol				Ipilot declin		✓		X Aphelid cyperoides			✓
X Erodium cyanorum				gonocarpus nodulosus		✓		X Aira corybphylla			✓
X Galium murale			✓	Rhauwenc dav		✓		X Hydrocotyle calcarpa			✓
X Centrolepis aristata				Oxalis perennans		✓		X stylidium calcaratum			✓
X Trachym cyanop				Eriochilus dilatatus		✓		X Sowtrbaa laxiflora			✓
				Charm corymbergic		✓		X Trifolium dubium			✓
				Hypochaer glab		✓		X Phyllanthium paradox			✓
				Anag arvensis		✓		X Schoenus nanus			✓
				Erod cicutar		✓		X stylid uniflorum			✓
			✓	Ophogloss eortae		✓		X stypandra imbric			✓
								X Waitzia silanifera			✓

lusitanicum

- X Wahlenb. preissii
- X Lobelia tenuior
- X Siloxerus multiflorus

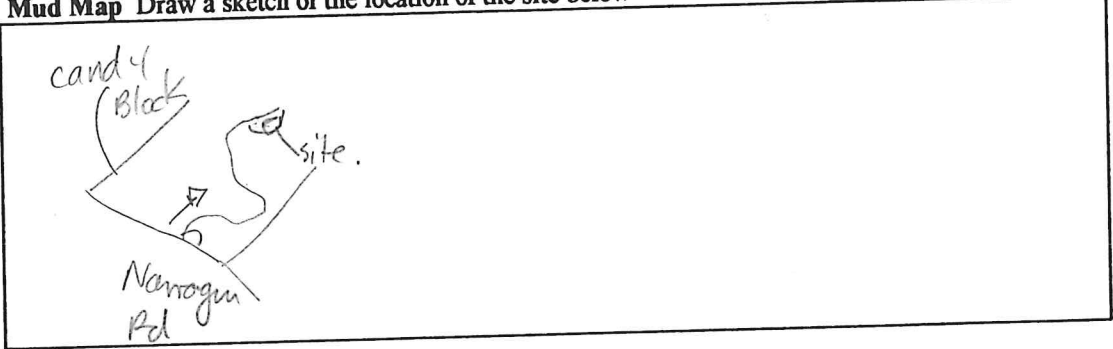
NR15

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA CANDY SITE NUMBER ONE
DATE TRIP 27-8-1997 RECORDERS L/M/N/G
DATE TRIP 7-10-1999 RECORDERS GK/AW/NG
DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location CANDY BLOCK - sth. Rd.

Geographic Location Latitude 32 47' 54.3 S Longitude 117° 04' 14.1' E Altitude
GPS Accuracy
Map Sheet DRYANDRA 1:50,000 HOOP 2.0

AWG
506609
6371045

Photograph Name NG Number 27

Topographic Position (Circle the correct response)
Upland Lower slope
Upper slope Valley
Midslope Washline

2. SITE DATA Circle the correct response

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

Surface Soil sandy clay Depth to Rock 10cm Colour brown

Exposed Rock type lateite % surface cover 1/2% size range 10-20cm

Litter glass bark lvs % surface cover 100% Depth (cm) 5-10cm

Bare Ground % surface cover) 0

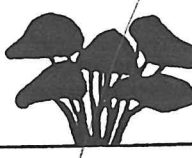
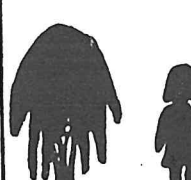
Adapted from 'Bushland Plant Survey' written by B. Keighery (1994) and published by Wildflower Society of WA (Inc). PO Box 64 Nedlands WA 6008

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES			MALLEES		
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	30/50				
DOMINANT SPECIES	<i>Euc. astrolamus</i>				
SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2/1				
DOMINANT SPECIES	<i>Sant murray</i>				
GRASSES		HERBS	SEDGES	under 0.5m	
LIFE FORM					
COVER CLASS (%)				2/10 -	
DOMINANT SPECIES				<i>Lepidosperma</i>	

4. VEGETATION CONDITION

Comments

excellent

cut over > 50 yrs ago

Denser re-growth -

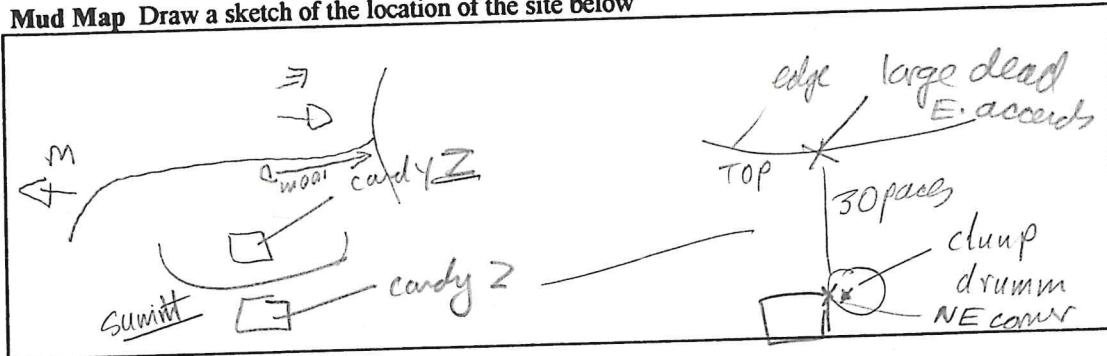
NR16

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA CANDY SITE NUMBER TWO
 DATE TRIP 27-8-97 RECORDERS L/M/N/G
 DATE TRIP 7-10-99 RECORDERS GK/AW/NG
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location

Geographic Location Latitude 32° 47' 54.8 S Longitude 117° 04' 14.0 E Altitude 506606
 GPS Accuracy HDP 6.2
 Map Sheet DRYAND

AMG
506606
6371030

Photograph Name NG Number 28

Topographic Position (Circle the correct response)
 Upland ☒ Lower slope
 Upper slope ☐ Valley
 Midslope ☐ Washline

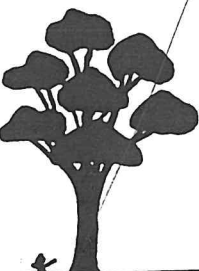
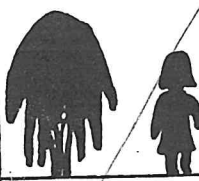
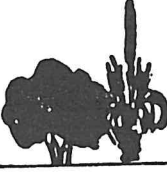
2. SITE DATA Circle the correct response

Slope ☒ flat ☐ gentle ☐ steep Aspect N NE E SE S SW W NW
 Surface Soil sandy clay loam Depth to Rock 5-10cm Colour pale brown
 Exposed Rock type laterite % surface cover 50/70 size range 5-20cm
 Litter twigs/lvs % surface cover 20/30 Depth (cm) 2-5
 Bare Ground (rock) % surface cover 2-10

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

3. VEGETATION STRUCTURE AND COVER

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

Cover Class					
2-10%		10-30%		30-70%	
TREES					
	over 15m	5-15m	under 5m	MALLEES over 8m	under 8m
LIFE FORM					
COVER CLASS (%)					<1
DOMINANT SPECIES					<i>Euc. drummondii</i> (patches)
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		Petr. ericifol 30/50	2/10		
DOMINANT SPECIES		Dry. nobilis Hakea trif Lept. erubesc	Esop. dubius Dry senecit		
GRASSES		HERBS	SEDGES	over 0.5m	
LIFE FORM					
COVER CLASS (%)	<2	22%		2/10 -	
DOMINANT SPECIES				<i>Schoenus</i> - <i>Megalothea</i> -	

4. VEGETATION CONDITION

Comments

Excellent

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 CANDY TWO

Record on Sheet

Date 27-8-97

7-10-99

NR16

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

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
				Dryandra nivea				7-10-99			
			✓	Melaleuca subtrigona				x Stylidium luteum			
			✓	Acacia sclerosperma sclerosperma				x Leban hookia pusilla			
				Verticordia (golden)				x Poranthera micophylla			
				serata				x Chaenactis corumbosa			
				Astroloma prostratum				x Pterostylis nana = slender small orch.			
MALLEES				GRASSES							
Euc. drummondii			✓	Neurachne alopec			✓				
				Amphipogon							
SHRUBS											
Lambert illicif			vsp ✓								
Myrica anaust			✓								
Hakea trifurcata			✓								
Petrophile jericifolia			✓								
Leptospermum ericoides			✓	strata			✓				
Isopogon dubius			✓				✓				
Petrophile heterophylla			✓	HERBS							
Adenanthium rugosum			✓	Drosera macrantha							
Dryandra (nobilis nobilis)			✓	styl bulbiferum							
(Cynaroides) n - ?			✓	Conostyl. setigera			✓				
Jacksonia (densiflora revillei)			✓	Stylidium canaliculatum							
Delandrea senecifolia			✓	Pterostylis (stria) sanguinea				vittata			
Banksia sphaerocarpa			✓	Caladobea reptans							
Daviesia hakeoides			✓	Stylid bulbiferum			✓	Dampiera obliqua (AOS)			
Beaufortia incana bracteosa			✓	Drosera glandulig							
Leucopogon conosteph			✓	Thys patulum							
Hakea (ruscifolia)			✓	Pterostylis ? nana - slender small orch (don't count name)							
Santalum murray			✓	Calad saccar							
Astroloma pallidum			✓	Paterson juncea							
Allocas humilis			✓								

✓ ~~Astroloma drummondii~~

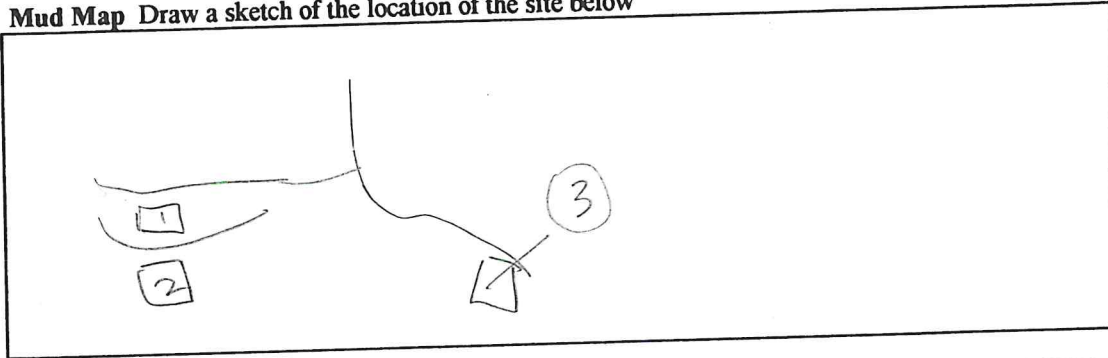
NR17

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA CANDY SITE NUMBER THREE
 DATE TRIP 27-8-1997 RECORDERS M/L/G/N
 DATE TRIP 7-10-1999 RECORDERS NG/GK/AW
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location

Geographic Location Latitude 32° 47' 55.8 S Longitude 117° 04' 32.2 E Altitude
 GPS Accuracy HDOP 4.5
 Map Sheet

AMG
 507079
 6370999

Photograph Name NG Number 30

Topographic Position (Circle the correct response)
 Upland Lower slope
 Upper slope Valley
Midslope Washline

2. SITE DATA Circle the correct response

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

Surface Soil Depth to Rock Colour

Exposed Rock type 2-10 % surface cover laterite size range 2-5

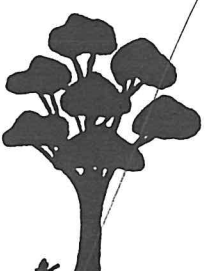
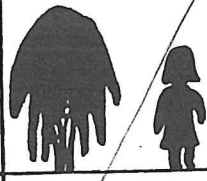
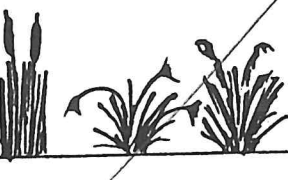
Litter twigs, dead plants % surface cover 10/20 Depth (cm) 2-10

Bare Ground % surface cover 10/20

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

3. VEGETATION STRUCTURE AND COVER

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

	TREES			MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)					10-20
DOMINANT SPECIES					Euc. drummond (bunt - regen)
	SHRUBS			SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM			 Ad. cygnor Bank. sphaeros		
COVER CLASS (%)			30/50		
DOMINANT SPECIES			Lambertia echin Leptos. scrub Petro. divaric		
	GRASSES		HERBS	SEDGES	
				over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	L2		2/16		30/50 -
DOMINANT SPECIES					Lepidosperma Lepidos. tenuis Gahnia drumm

4. VEGETATION CONDITION

Comments

excellent
bunt - still regrowing

same

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**

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
				<i>Astroloma</i> (= ? <i>Styphelia tenuiflora</i>)				7/10/99			
								X <i>Pterostylis</i>			
								✓ X <i>Monotaxis grandiflora</i>			
								X <i>Hypochaeris alaba</i>			
								X <i>Istylidium</i> (<i>I. schreineri</i>)			
								X <i>Pterostylis rufa</i>			
								<i>sergentii</i>			
MALLEES				GRASSES							
<i>Euc. drummondii</i> (usp) ✓				<i>Amphipogon (turbidatus)</i>				7/10/99			
				<i>Nardochloa alopec</i>							
SHRUBS											
<i>Gastrolobium microcarpum</i>								SEDGES			
<i>Dryandra nivea</i>								<i>Tetraria octandra</i>			
<i>Bedfordia incana</i>								✓ <i>Gahnia drummondii</i> austra			
<i>Petrophile divaricata</i>								<i>Trichostema</i>			
<i>Lambertia echinata</i>								<i>Lepidosperma</i>			
<i>Banksia sphaerocarpa</i>				HERBS				<i>Trichostema neesii</i> off camp			
<i>Adenanth cym</i>				<i>Caladenia saccata</i>				<i>Schreineria</i> (per)			
<i>Dryandra cynaboides</i>				<i>Drosera macrantha</i>				✓ <i>Lepidosperma</i> fertile edge			
<i>II stenecifolia</i>				<i>Thys tenellus</i>				<i>brunonidium</i>			
<i>Leptosperm erubesc</i>				<i>III pat/mangl</i>							
<i>Jacksonia cf densif</i>				<i>Conostyl setid</i>							
<i>Gastrolob microcarpum</i>				<i>Stylid bulbifid</i>							
<i>Mitraluncea cf scabra</i>				<i>Chamaex terra</i>							
<i>Isoetes villosus</i>											
<i>Petrophile circinnata</i>											
<i>Verticordia (yellow)</i>											
<i>Ossytha alabella</i> (usp)											
<i>Freycinetia tenuiflora</i>											
<i>Eremorea pauciflora</i>											
<i>Daviesia rhombif</i>											

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA CANDY SITE NUMBER FOUR
 DATE TRIP 27-8-1997 RECORDERS L/N/M/G
 DATE TRIP 7-10-1999 RECORDERS WG/GK/AW
 DATE TRIP _____ RECORDERS _____

NR18

1. LOCATION of the QUADRAT

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

Road Location

Geographic Location Latitude 32°47'21.4 S Longitude 117°05'07.7 E Altitude _____
 GPS Accuracy _____
 Map Sheet DRIANDRA HDOP 3.1

AMG
508003
6372058

Photograph Name NG Number 31

Topographic Position (Circle the correct response)
 Upland _____
 Upper slope _____
 Midslope _____
 Lower slope _____
 Valley Valley
 Washline _____

2. SITE DATA Circle the correct response

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

Surface Soil loam Depth to Rock _____ Colour brown

Exposed Rock type _____ % surface cover NONE size range _____

Litter bark, twigs, lvs % surface cover 70/90 Depth (cm) 2-5

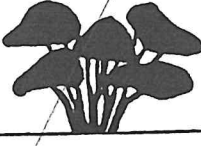
Bare Ground % surface cover 1/2

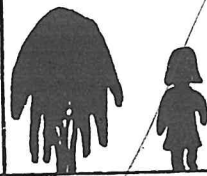
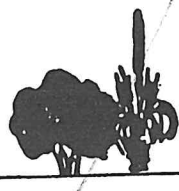
BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Mulr)- use pencil only

3. VEGETATION STRUCTURE AND COVER

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

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

TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	10/20		1		
DOMINANT SPECIES	<i>Euc. wandoo</i>		<i>Allocas hueg</i>		

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)				20/30	
DOMINANT SPECIES				<i>Hypoc. angust</i> <i>Trym. ledif</i> <i>Grev. tenuit</i>	

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

4. VEGETATION CONDITION

Comments

excellent

cut over > 50 yrs

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 CANDY 4

Record on Sheet

Date 27-8-1990.7

7-10-1999

- Column 1 plant name

- Column 2 plant number

• **Column 3** **flowering time-** TICK if species flowering

- Column 4 identification check

 20×20

Eucalyptus calophylla ^{green}
Eucalyptus ^{green} acedens

[illegible]

X Harry lvd Stipa -

✓ X *Cratogeomys obsoletus*

YORN I

NR 19

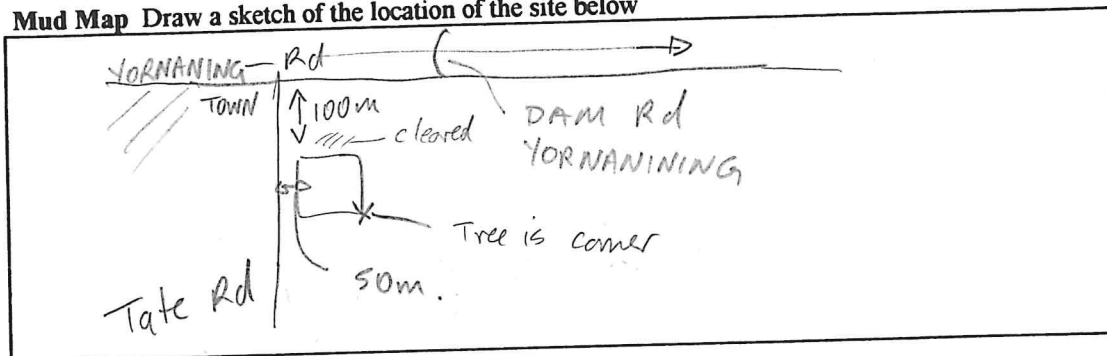
BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA YORNANING SITE NUMBER ONEDATE TRIP 27-8-1997 RECORDERS M/46/NDATE TRIP 7-10-99 RECORDERS Ng/Hu/9K

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location Tate Rd

Geographic Location Latitude 32° 44' 20.1 S Longitude 117° 09' 26.8 E Altitude _____
 GPS Accuracy 2.5 H00P
 Map Sheet _____

AMG
 514751
 6377633

Photograph Name N-Gibson Number 23

Topographic Position

Upland

Upper slope

Midslope

Lower slope

Valley

Washline

(Circle the correct response)

2. SITE DATA Circle the correct response

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

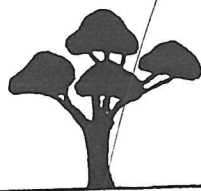
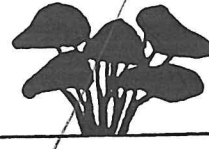
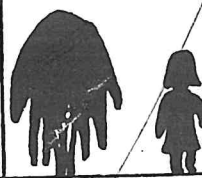
Surface Soil clay loam Depth to Rock _____ Colour brownExposed Rock type ○ % surface cover _____ size range _____Litter bark, lvs % surface cover 70/90 Depth (cm) _____Bare Ground % surface cover 2/10

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

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

3. VEGETATION STRUCTURE AND COVER

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

TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	10/20				
DOMINANT SPECIES	<i>Euc. salmon</i>				
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)					10/20/30
DOMINANT SPECIES					<i>Ac. erinacea</i> <i>Dodonaea</i>
GRASSES		HERBS	SEDGES	over 0.5m	
LIFE FORM					
COVER CLASS (%)	2	<2		<1	
DOMINANT SPECIES	<i>Stipa trichoph</i>	<i>Lom. effusa</i>			

4. VEGETATION CONDITION

Comments

very good - cut over but regenerating

14K 17

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

7-10-99

20 x 20

Euc. wandoo

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc-salmonophlora -								7/10/99			
" wandoo -								X Danthonia II -			
								X Helicrysum leucopsidum -			
								X Hypochaeris glabra -			
								X Trachymene pilosa -			
								X Crocodyla colovata -			
MALLEES								X Daucus glochid -			
								X Stipa II -			
				GRASSES				X Millotia tenuifolia -			
				Stipa elegantissima -				X Hira caryophyll -			
				Danthonia I -							
SHRUBS				stipa & trichophylla -							
Acacia erinacea (prst) vsp ✓				Nedraehne alopecuroid -							
X Dodonaea humilis -				7/10/99				SEDGES			
X Acacia vespertina lasiocarpa vnr sedgula (vsp)				Sollya heterophylla (7/10/99) -							
X ? Sollya / pinnata											
				HERBS							
				Thys. patersonii/mangl -							
				Anagallis grensis -							
				Lomandra effusa -							
				Ptilotus mahalesii -							
				Lomand micrantha -							
				Thelymitra cf macrophylla (vsp) -							
				Pterostylis -							
				Tricholine scapigera (-				glochous - 7/10/99			
				Arthropodium capillipes -							
				Pterostylis vittata -							
				Podolepis ? canescens -							
				Romullea rosea -							

ADJ Celodermis xantho (USA)

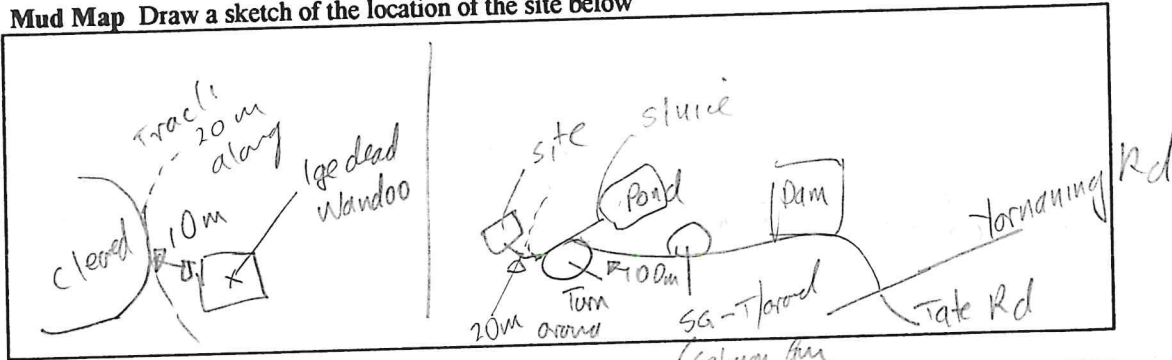
BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA YORNANNING SITE NUMBER TWO
 DATE TRIP 22-8-97 RECORDERS L/M/N/G
 DATE TRIP 7-10-99 RECORDERS NG/GK/AW
 DATE TRIP _____ RECORDERS _____

NR20

1. LOCATION of the QUADRAT

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



Road Location S of Tate Rd, Yornanning

Geographic Location Latitude 32 44 40.7 S Longitude 117 0 09 23.4 E Altitude
 GPS Accuracy HDDP 4.4
 Map Sheet

Photograph Name N. Gibber Number 24

Topographic Position (Circle the correct response)
 Upland ☐ Lower slope ☐
 Upper slope ☐ Valley ☒
 Midslope ☐ Washline ☐

2. SITE DATA Circle the correct response

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

Surface Soil loam ^{clay} Depth to Rock Colour orange

Exposed Rock type % surface cover NONE size range

Litter logs/twigs % surface cover 70/90 Depth (cm) 2-10

Bare Ground % surface cover 0

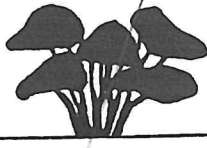
4MG
514662
376998

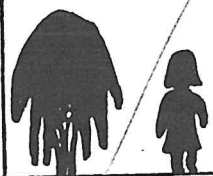
BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Mulr)- use pencil only

3. VEGETATION STRUCTURE AND COVER

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

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

TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	1-2	20/30	1-2		
DOMINANT SPECIES	E. wandoo (dead)	Allocas hueg >50% dead	Callit phoen		

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)			1-2		
DOMINANT SPECIES			Callit phoen		

GRASSES		HERBS		SEDGES	
	over 0.5m			over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	70/90				
DOMINANT SPECIES	wilds				

4. VEGETATION CONDITION

Comments

poor / rabbits

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

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

Record on Sheet

NR20

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

20x20 E. rudis
E. wandoo
Mel. viminea

[illegible]

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA YORNANNING SITE NUMBER THREE

NR21

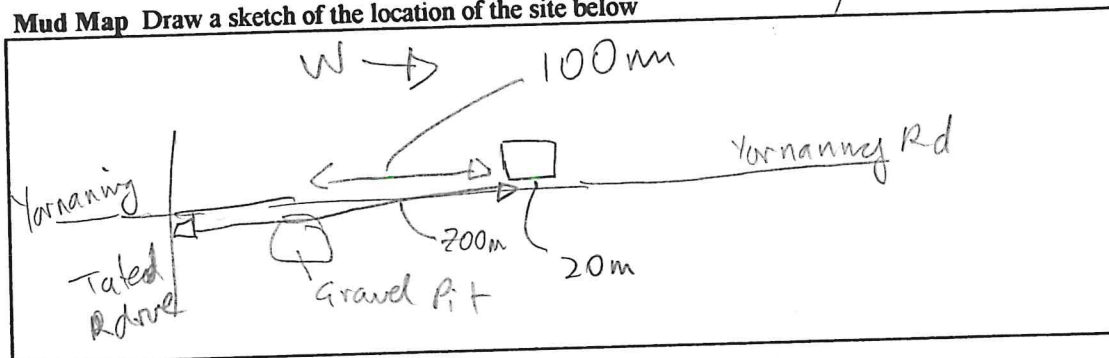
DATE TRIP 27-8-97 RECORDERS L/M/N/G

DATE TRIP 2-10-99 RECORDERS NG/GK/AW

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



+/- Yornanning Dam
400m
East

Road Location

YORNANNING RD

Geographic Location

Latitude 32 4428.4 S Longitude 117 0854.0 E Altitude
GPS ☒ Accuracy HDP 3.4
Map Sheet

AWG

513897

6377378

Photograph

Name

NG

Number

25

Topographic Position

(Circle the correct response)

Upland

Upper slope

Midslope

Lower slope

Valley

Washline

2. SITE DATA Circle the correct response

Slope

flat

gentle

steep

Aspect N NE E SE S SW W NW

Surface Soil

gravel loam

Depth to Rock

?

Colour orange-brown

Exposed Rock

type

laterite

% surface cover

30/50

size range

2-10cm

Litter

% surface cover

20/30

Depth (cm)

2-5-10

Bare Ground

% surface cover)

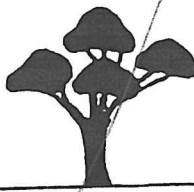
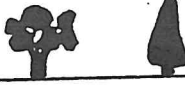
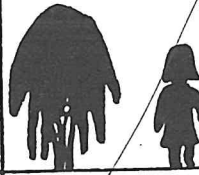
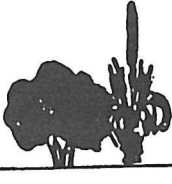
30/40

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	Euc. wandoo		< 1		
DOMINANT SPECIES	2/10		Sant. murray		
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)			20/30		
DOMINANT SPECIES			Lept. scrub M. elaeagnifolia		
GRASSES		HERBS	SEDGES		under 0.5m
	over 0.5m		over 0.5m		
LIFE FORM					
COVER CLASS (%)	L2	10/20			10/20
DOMINANT SPECIES		Conostylis sp Lom muc			Lepidosp Mesomelaena Lepidosp tenuis

4. VEGETATION CONDITION

Comments

excellent

20x20

5. SPECIES PRESCENCE

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

SITE No YORNAN 3

Record on Sheet

- Column 1 plant name

- Column 2 plant number

• Column 3 flowering time- TICK if species flowering

- **Column 4** **identification** **check**

Date 27-8-97

NR21

+ Alloc *hugeliana* (rare)

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc. wandoo		✓					✓	styl. repens			
Allocas huegeliana		✓						Lom micrantha			
								Caladenia			
MALLEES											
				GRASSES							
				Neracine alopec			✓				
SHRUBS								Lepidosperma resinosum			
Adenanth cyanorum		✓						SEDGES			
Melaleuca (sp) aff tuberculata		✓						Lepidobolus chaet			
Leptospermum rubicundum		✓						Mesomelaena prenu			
Boronia eriocarpa		✓						Lepidosperma tenue			
Ola x benthamiana		✓		drummondii			✓	Dpsmodi. asper			
Hakea trilobata		✓						Lepidosperm + tenue			leptost
Santalum murrayanum		✓		HERBS				Tetralia capillaris			
Stachytarpheta monophylla		✓		Anthropod capill			✓				
Astroloma ? serrat				Chamaecrista corymbosa							
Daviesia ? bentham sp stult		✓		Drosera macrantha			✓				
Pillardiera sericea	(USP)			Pterostylis recurva			✓	7/10/99			
Dryandra squarrosa				Lomandra mucronata			✓	X Blennospora drummondii			
Astroloma pallidum		✓	✓	Conostylis pusilla			sp	X Centotheca pusilla			
Grevillea leptobotrya				Thys pat/mangl			✓	X Stylidium repens			dife
Utahb enervia		✓		Stylidium bulbiferum			✓	X Hyalosp delmiss			
Halaemia cygna				Pterostylis savitata			✓	X Schoenus nanus			
Hakea laevis		✓		Hypochaeris glabra			✓	X Rostaria pumila			
Trymalium (angustifol)		✓		Wurmbea dioica				X Hydrocotyle callicarpa			
Astroloma serratifolium		✓		Millotia myosotid				X Patanthera micro			
				Schoenus nanus				X Phyllaea parvifolia			
								X Calladula flava			

Cryptodromus notatus 27/8 -
1/10/19

x *grevillea* ~~fraxiniflora~~

X *Dampiera* *obliqua* -
X *Pterolocha* *pumicula*

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA YORNANING SITE NUMBER FOUR

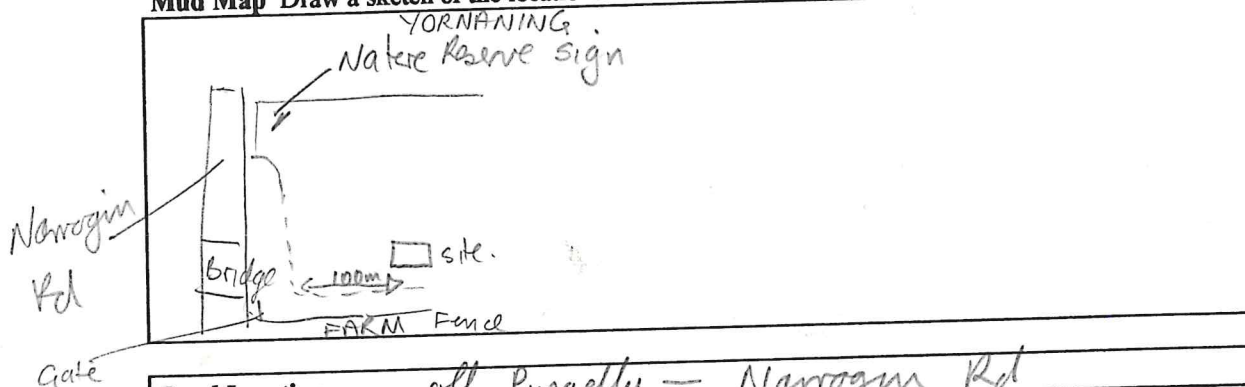
DATE TRIP 27-8-1997 RECORDERS L/M/N/G

DATE TRIP 7-10-99 RECORDERS GK/AW/NG

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



[rabbits]

Road Location off Pingelly - Narrogin Rd

Geographic Location Latitude 32 44' 47.2" S Longitude 117° 09' 51.8" E Altitude 515400
 GPS Accuracy HDOP 3.9
 Map Sheet

ANG
515400
6376797

Photograph Name N/G Number 26

Topographic Position (Circle the correct response)
 Upland Lower slope
 Upper slope Valley
 Midslope Washline

2. SITE DATA Circle the correct response

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

Surface Soil sandy clay Depth to Rock ? Colour yellow/brown

Exposed Rock type NONE % surface cover _____ size range _____

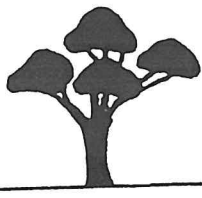
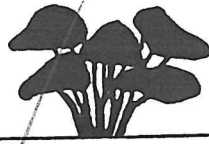
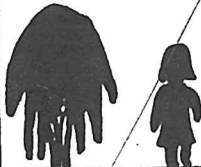
Litter twigs/leaves % surface cover 30/50 Depth (cm) 2 - 10cm

Bare Ground % surface cover NONE

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

3. VEGETATION STRUCTURE AND COVER

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

For each layer record - appropriate life form, cover class					
Cover Class		2-10%	10-30%	30-70%	over 70%
TREES			MALLEES		
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	1	10/20			
DOMINANT SPECIES	<i>Euc. wandoo</i>	<i>Allocasuarina huegelii</i> <i>Acacia acuta</i>			
SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)					<1
DOMINANT SPECIES					<i>Nyctelia</i> <i>Hibiscus</i>
GRASSES		HERBS	SEDGES	over 0.5m	
				under 0.5m	
LIFE FORM					
COVER CLASS (%)	20/30	20/30/50		10/20	
DOMINANT SPECIES	<i>Neurolepis alopec</i>	<i>Podolpis</i> <i>Borysthenes</i>		<i>Desm. aspera</i> <i>Lepidosperma</i>	

4. VEGETATION CONDITION

Comments

very good - excellent
Fence post cutting

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

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**

20 + 20

Euc. salmonophloia

[illegible]

- x Wahlenbergia preiss
- x Hydrocotyle calycarpa
- x Centropogon distatum

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

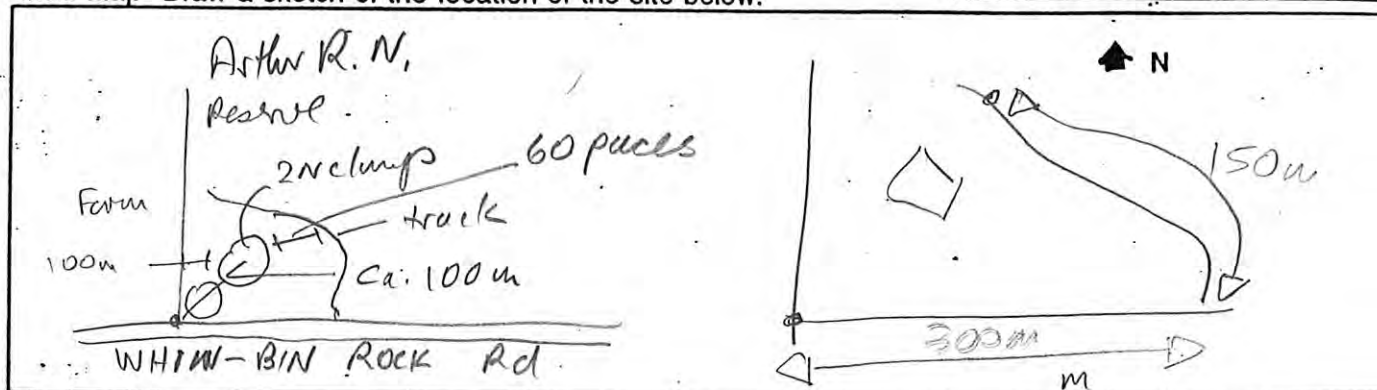
BUSHLAND AREA Arthur River N. Reserve SITE NUMBER WHIN 01
 DATE TRIP 31-10-2000 RECORDERS GK NR23
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

W/gin 1:100000

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.



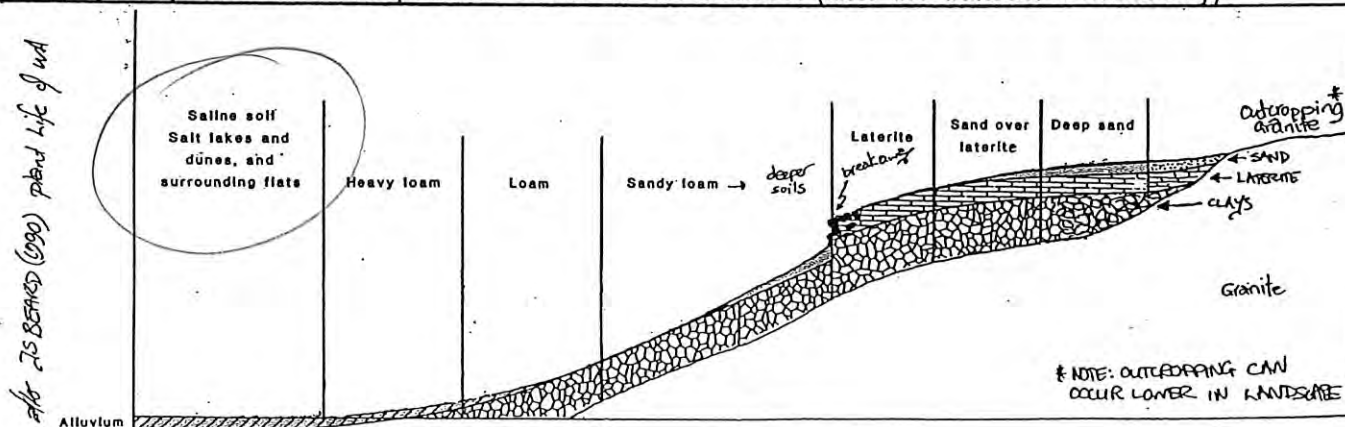
Road Location WHIN BIN ROCK RD

Geographic Location Latitude 33 04 34.3 S Longitude 117 16 18.0 E Altitude 207

Reference Map AMG-50H-525356.6340221

Photograph Photographer's Name GK Photo No 3

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
 Exposed rock type NONE % surface

Sub-surface Soil clay Colour grey
 Rock type depth to rock >1m

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

Litter >90 (barb) % cover >90 Bare Ground 0 % cover
 Depth 2-15 cm

3. VEGETATION STRUCTURE AND COVER

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

Cover Class						appropriate life form, cover class (see below) and dominant species in each layer.			
		2-10%	10-30%	30-70%	over 70%				
TREES									
		over 15m	5-15m	under 5m	MALLEES		over 8m	under 8m	
LIFE FORM									
COVER CLASS (%)		30-70							
DOMINANT SPECIES		Euc. astring							
SHRUBS									
		over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	SHRUBS		under 0.5m	
LIFE FORM									
COVER CLASS (%)									
DOMINANT SPECIES									
		GRASSES		HERBS		SEDGES		over 0.5m	
LIFE FORM									
COVER CLASS (%)		2-10		2-10		2-10		2-10	
DOMINANT SPECIES		Austrostipa				Yalnia trifida			

4. VEGETATION CONDITION

Comments

excellent - cut over in past

soil

1 liter / dark brown

5cm

brown loam

50cm

inc. clay

clay

t

20x20

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

10 A - 2001

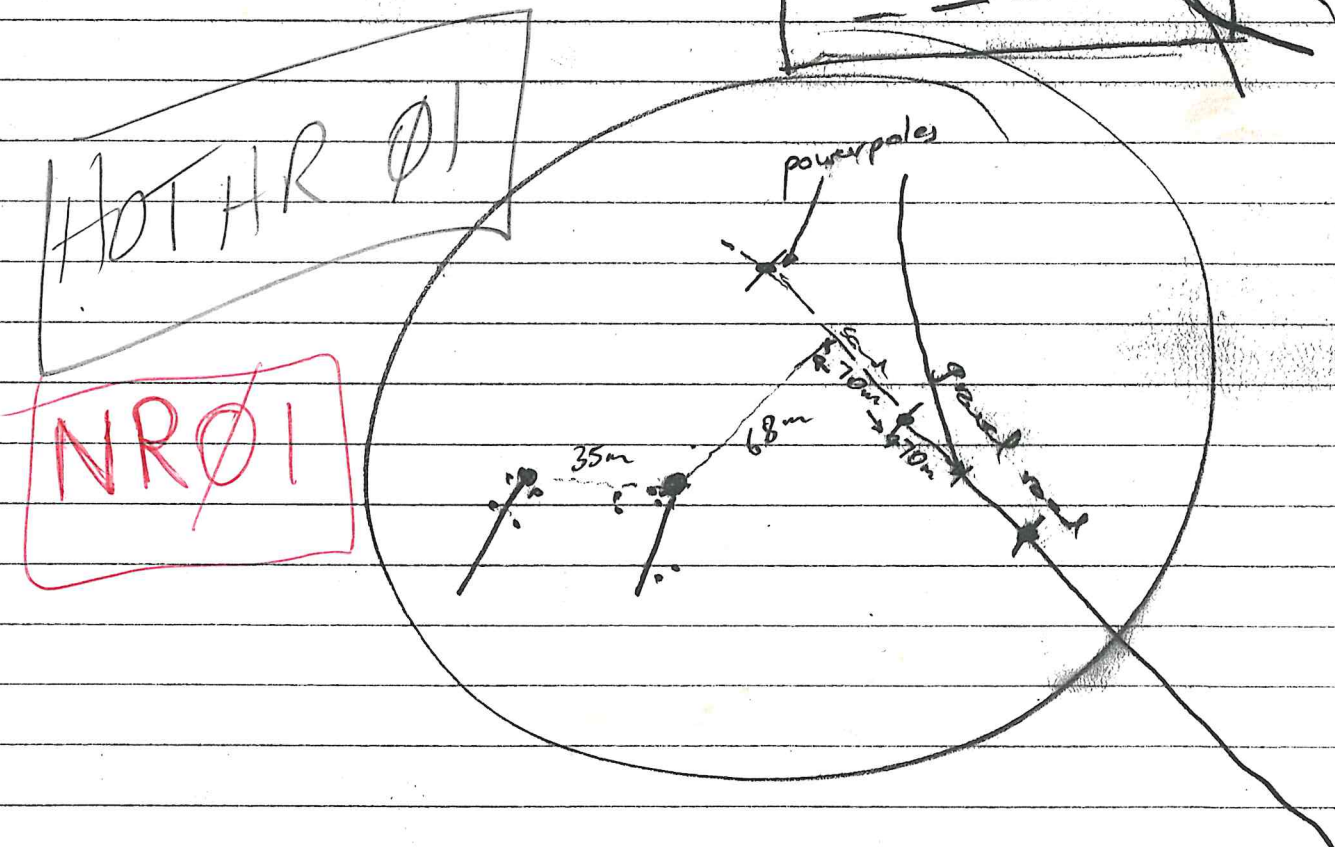
[illegible]

Narrogin Area (Dryandra) Area 5

Hotham River NR $\uparrow$ 8291

Soil: Yellow sand $\pm$ Banksia praealta
6 km N of Popanyinning
Casuarina
Myrtaceae etc
Blackboys.

$32^{\circ} 36' 40.5''$ S
 $117^{\circ} 06' 00.1''$ E
 $\pm 80m$



6 km SW of Highbury, 15 km S of Narrogin
State Forest

K. Grey sand over gressand & large orange gravel.

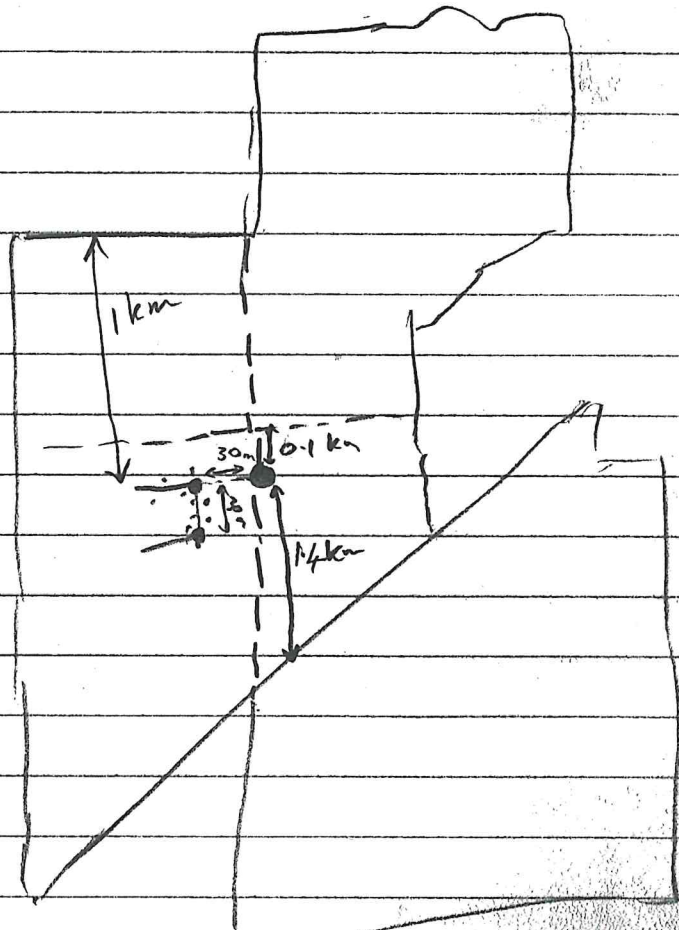
Red Gum / *Dorycnis* & good shrubs / herbs



$33^{\circ} 05' 27.1'' S$

$117^{\circ} 10' 17.3'' E$

$\pm 90m$



HIGHB 02

NR02

DRYANDRA

488290
6571242

NW Area - Skelton Block

Wardoo / Poisson

Balkaling (B)
surface



Yok-Williams Rd

DRYA 2

NR03

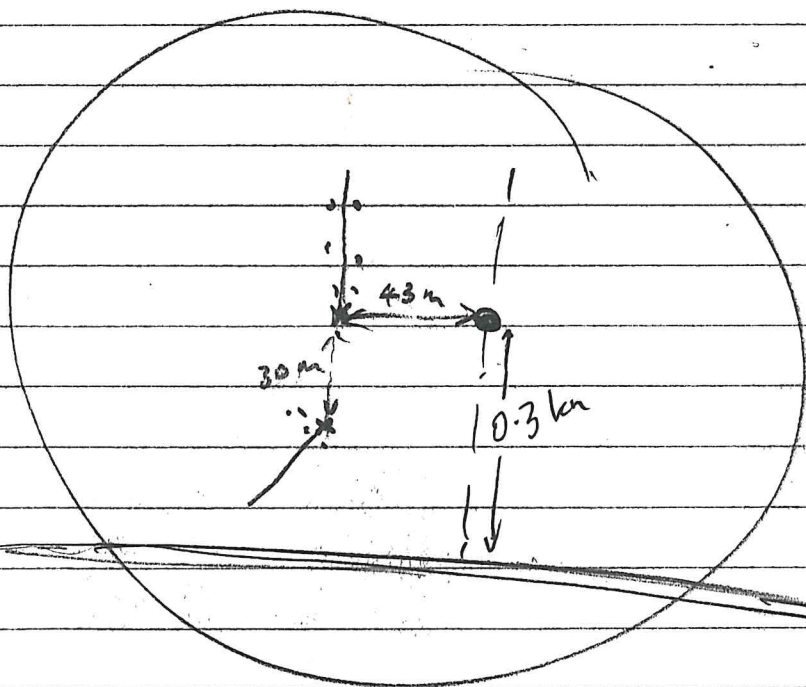
ATTUNER Rd

Loc No
13822
cleared
land

0.2 km

Dryad

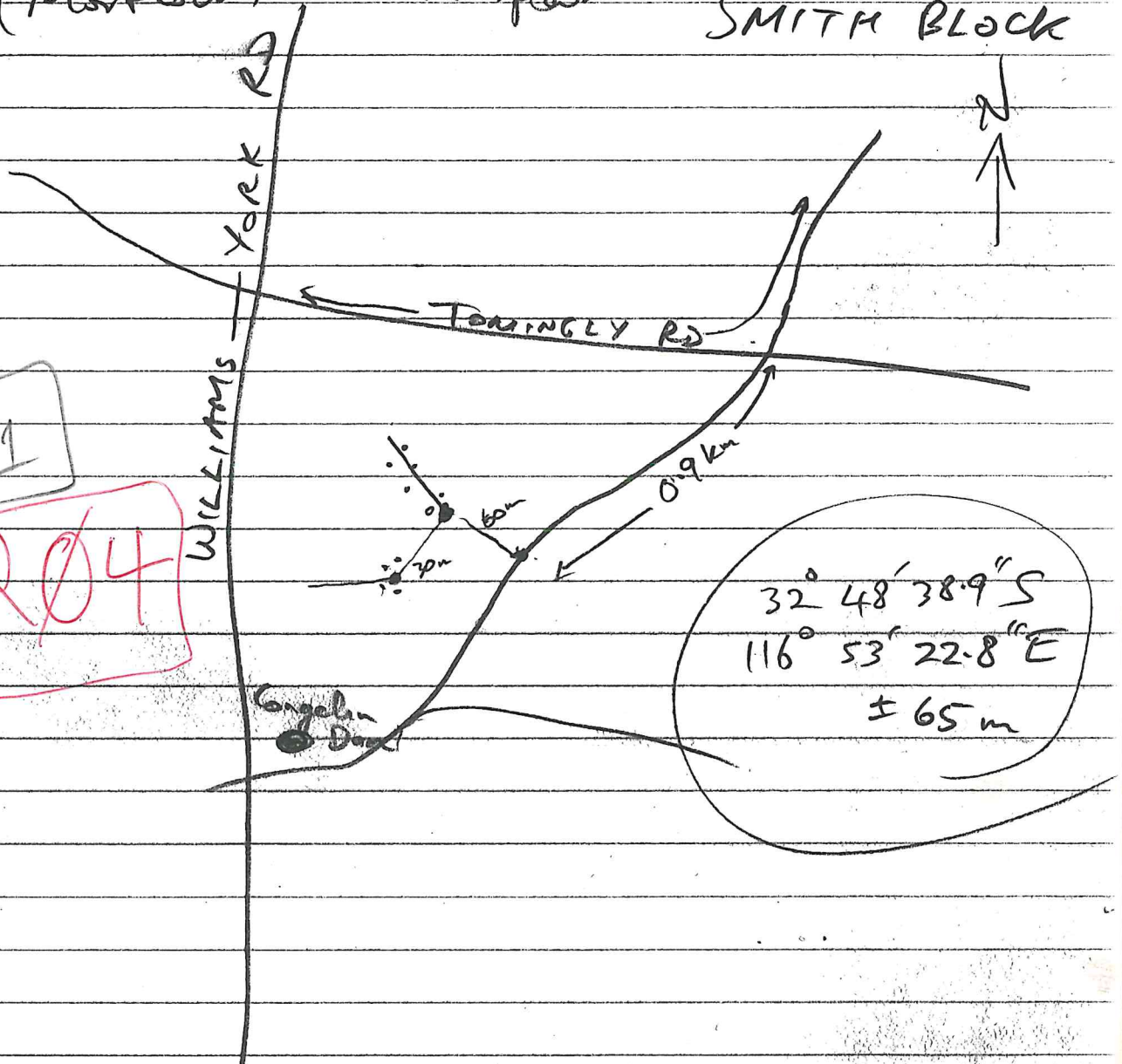
Longer



32° 46' 58.3" S
116° 51' 54.1" E
± 70m

DRY ANDRA → western) / CONGELIN DAM
MO (Mortlock) wanders flat
SMITH BLOCK

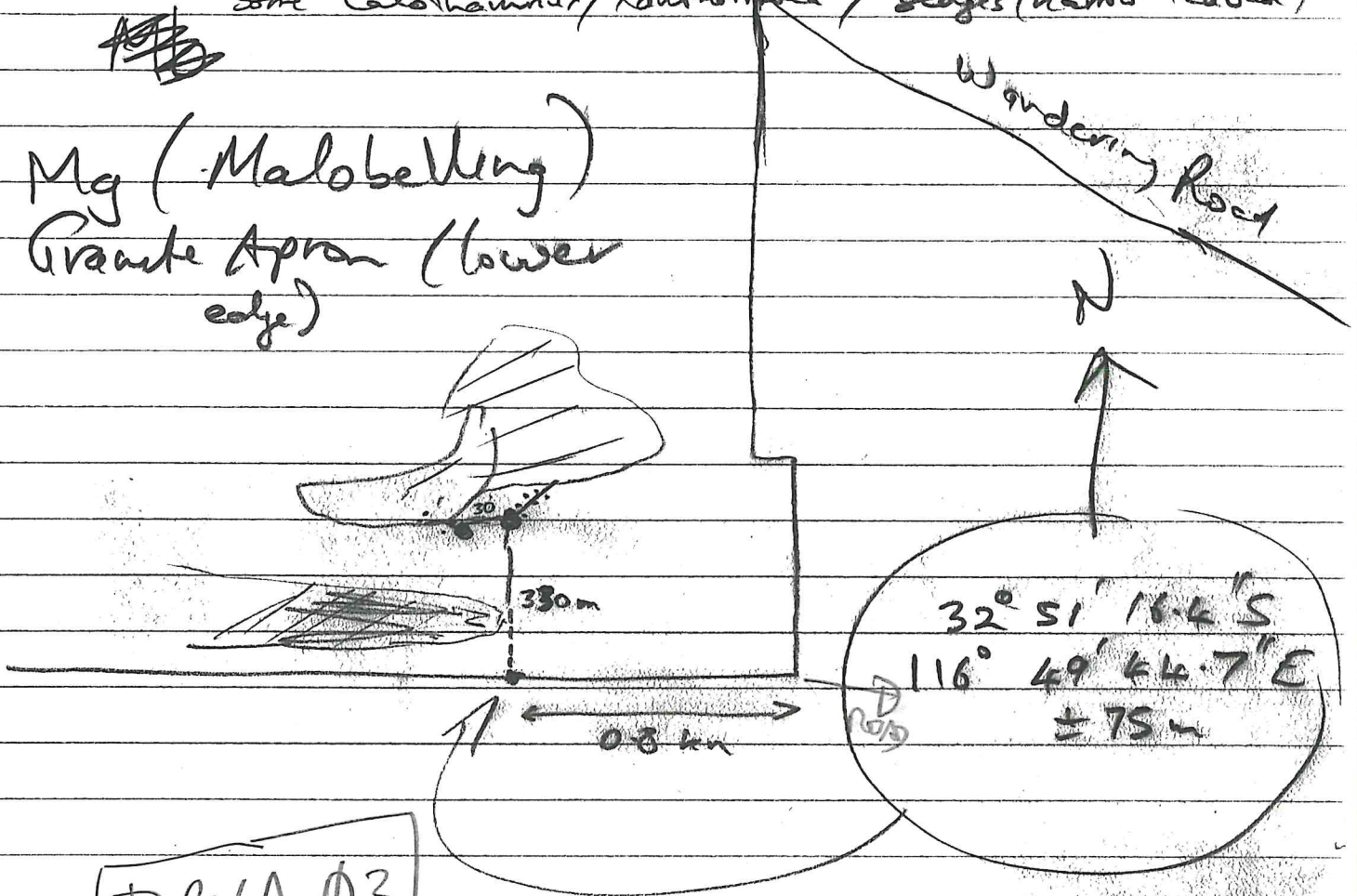
DRY 1
NR04



DRYANDRA SW Corner Block A25

Granite - Red Gum She-oak Leptospermum
Some Calothamnus/Xanthorrhoea / sedges (narrow leaved)

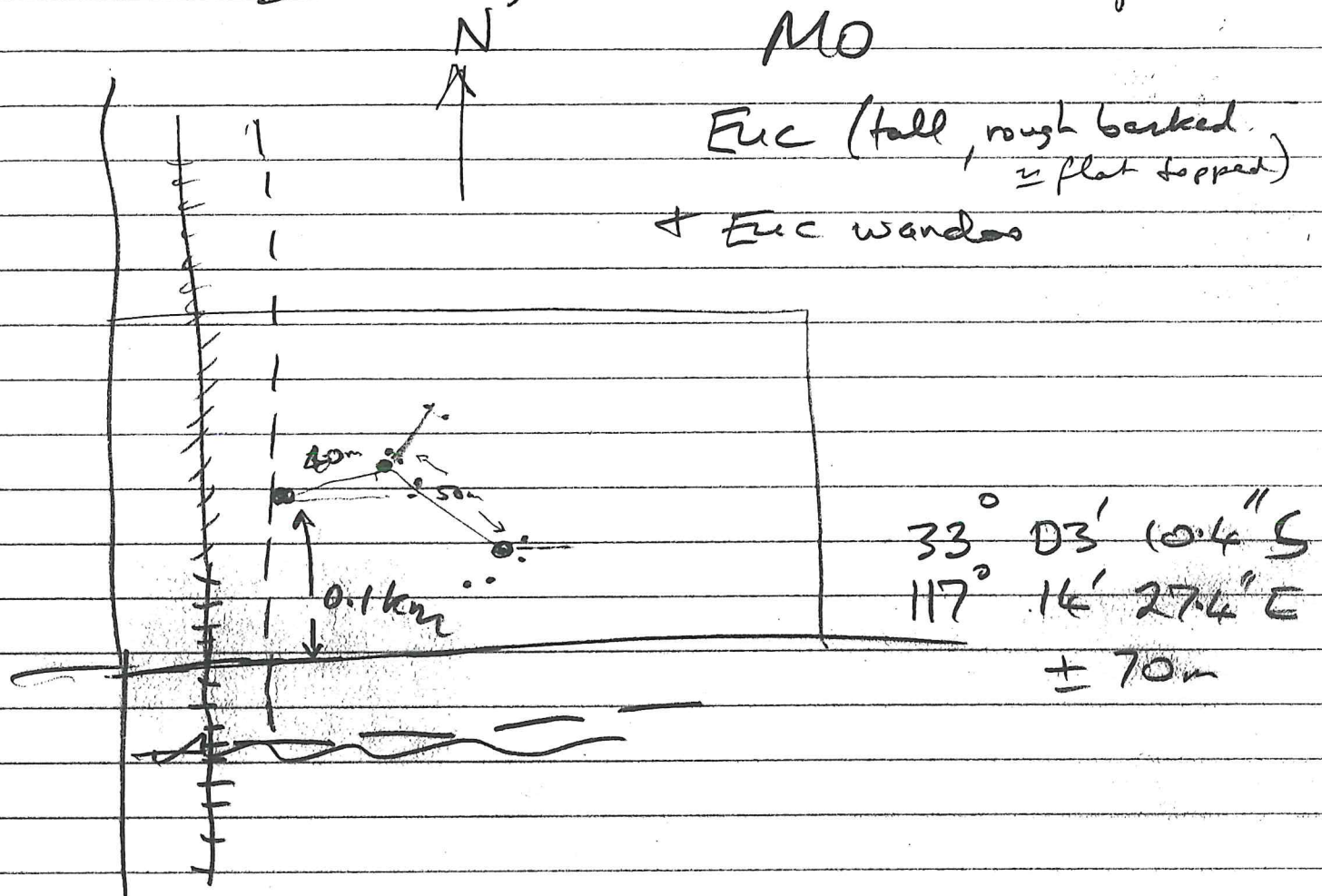
Mg (Malobelling)
Granite Apron (lower edge)



DRYA 03

NR 05

Highbury Town site Reserve
 Terrace is 20m higher than Arthur River flats
 MO



HGB 01

NR 06

↑ 8733 Water & Stopping Place W of Cairns Block
20 km SW of Highbury

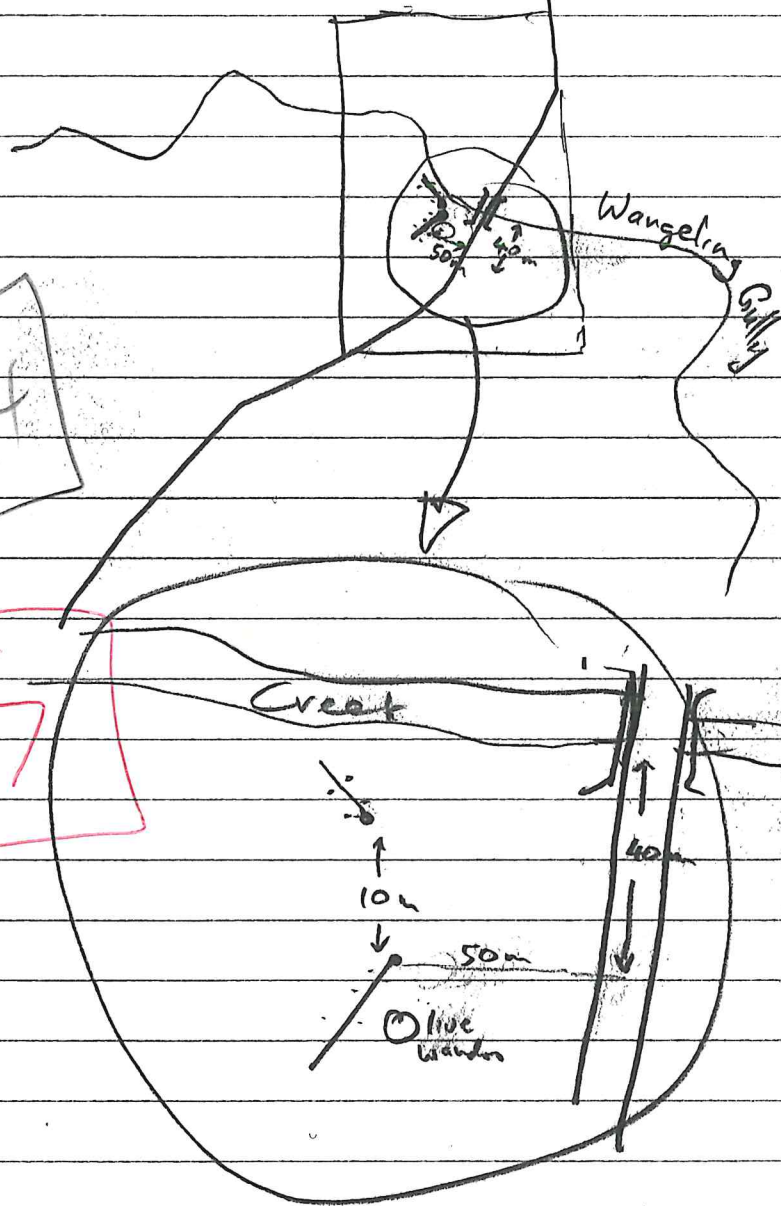
Saltine Jam & Wondersheet
on Avon surface

$33^{\circ} 08' 45.9''$
 $117^{\circ} 03' 13.0''$
 ± 95 m

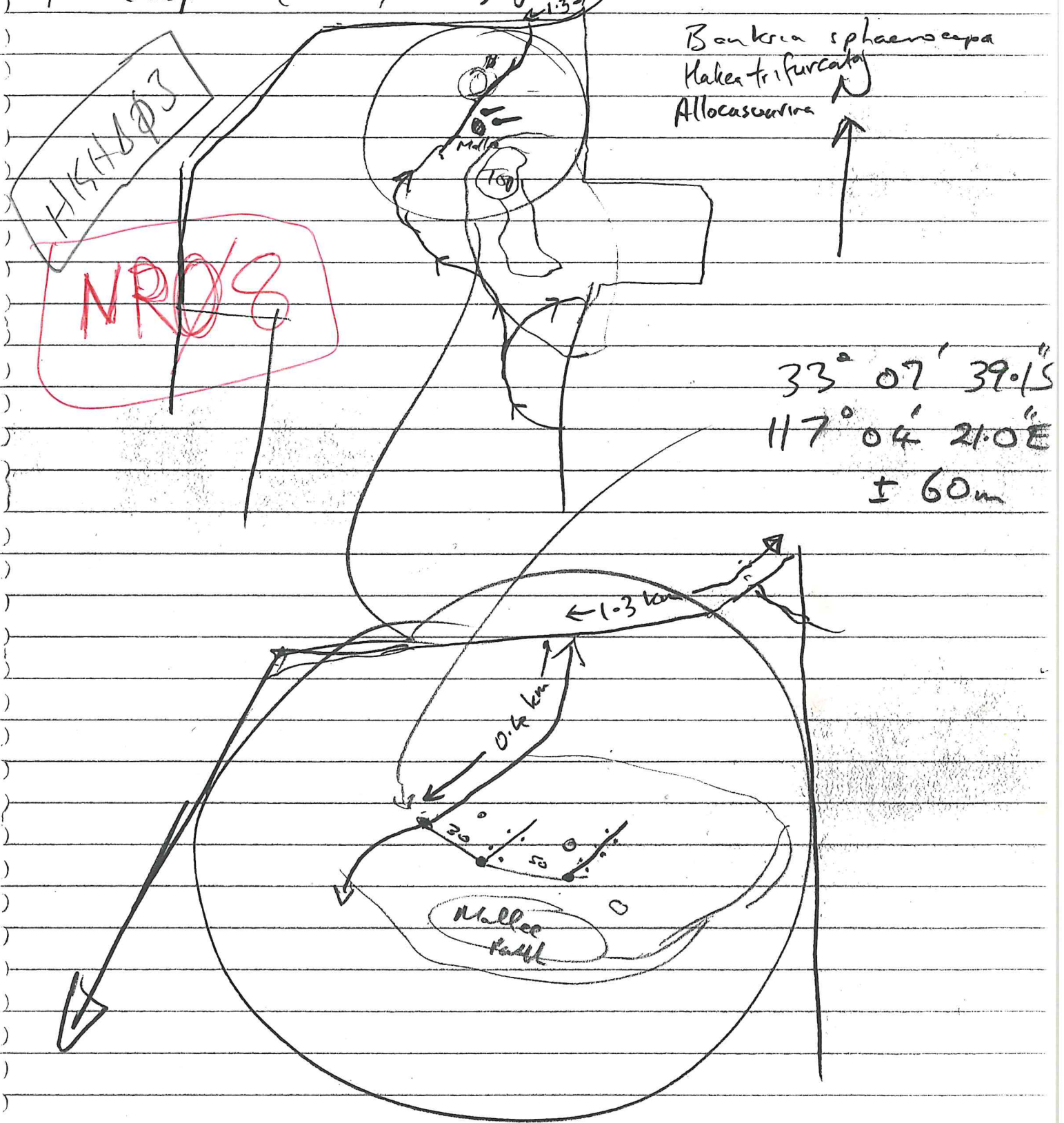


HIGH 304

NR07



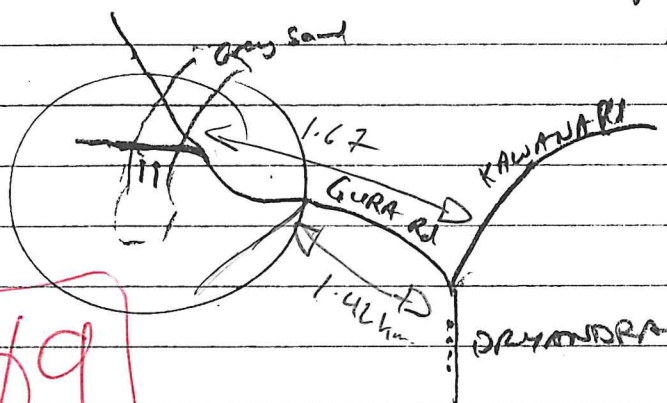
17 km SW of Highbury — Quinn's Block
Monkopen (sand/sandy gravel) heath to 1m



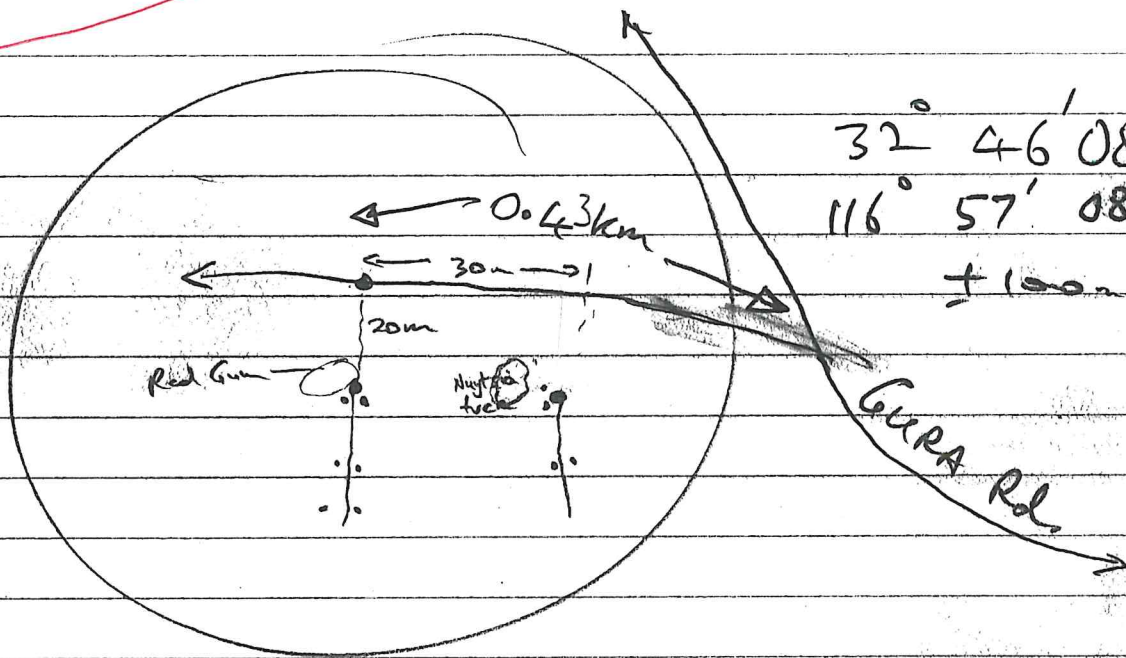
1.62
2.4
4.02

DRYANDRA - 2.1 km NW of Settlement
Monkopen (mid)
Deep Grey Sand

DRYANDRA
NR09

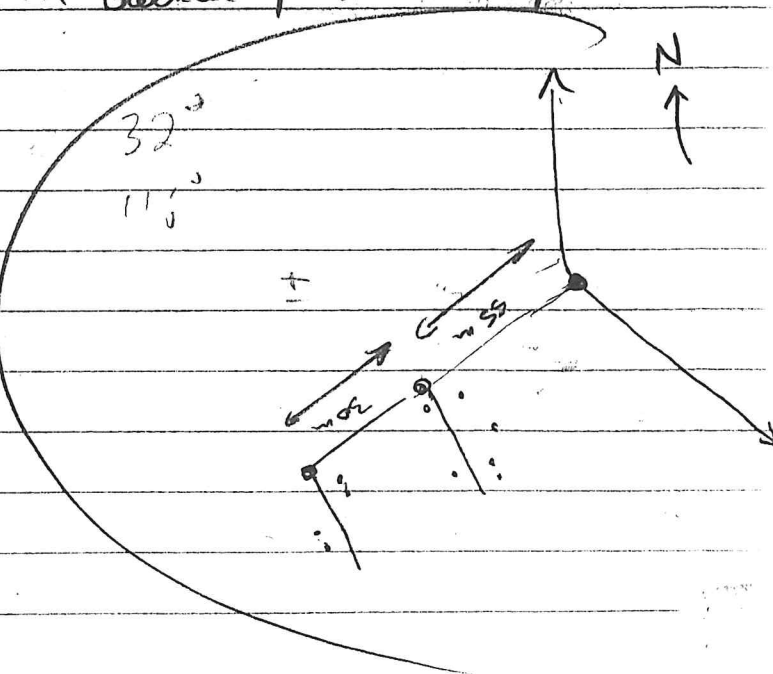
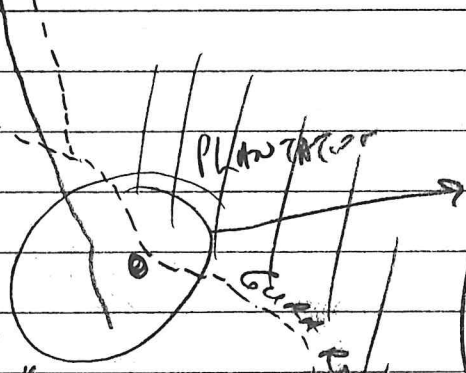


Red Gum
Dryandra sessilis
Adenanthos
Conospermum
Hebeche



32° 46' 08.6" S
116° 57' 08.1" E
± 100m

DRYANDRA - 4.0 km by road NW of Settlement
Elorophloebe Wandoo Jam
on Balkeling - Aron Surface (B-A)



32° 45' 11.5" S
116° 56' 43.1" E
± 80 m

NR10
DRYANDRA 06

Qe

DRYANDRA

6 km NW of Dryandra
Township

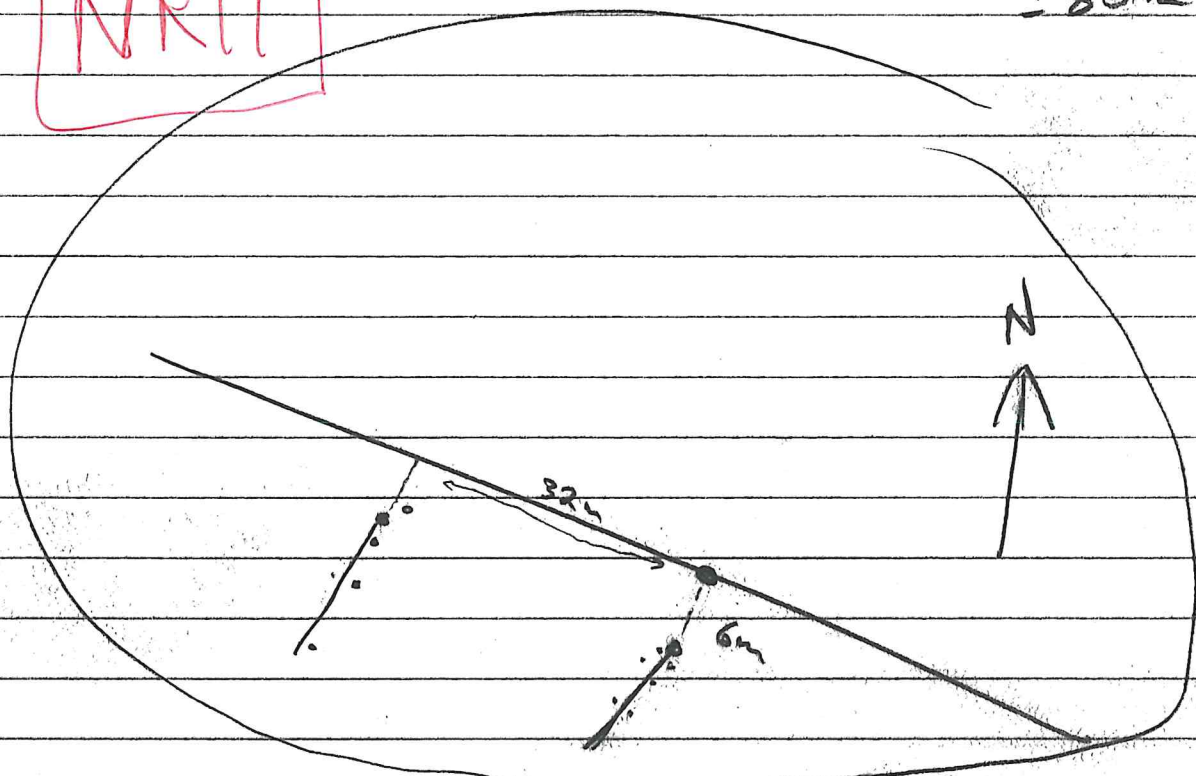
DRYA 07

32° 44' 02.9" S

116° 56' 54.8" E

± 80 m

NR11



Stephens Rd

Creek

1 km

1.06 km

DRYANDRA

DRYA 04

NR12

Bg (Belmaringis)

Euc. accedens

/ poison

greyish gravelly sand / mottled clay

32° 46' 53.1"
116° 56' 57.4"
± 60m

