

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA _____ SITE NUMBER JB 01
 DATE TRIP 15/9/98 RECORDERS BJK, GJK, NG
 DATE TRIP 27/10/99 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 Avon Valley NP

Geographic Location	Latitude GPS Map Sheet	S Longitude Accuracy	E Altitude

Photograph	Name	Number
	<u>NG</u>	<u>2</u>

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

2. SITE DATA Circle the correct response

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

Surface Soil gritty clay Depth to Rock NA Colour Brown

Exposed Rock type _____ % surface cover _____ size range _____

Litter >70 % surface cover _____ Depth (cm) 0.5

Bare Ground 0 % surface cover) (moss or litter)

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 15m	5-15m	under 5m	over 8m	under 8m
					
COVER CLASS (%)			30-70%		
DOMINANT SPECIES			<i>Ac. acuminata</i> <i>Euc. rudis</i>		
					30m
					10m

LIFE FORM	SHRUBS				SHRUBS
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	
					
COVER CLASS (%)					2-10%
DOMINANT SPECIES					<i>Back. camp.</i> <i>Hib. com.</i>
					2m
					1m

LIFE FORM	GRASSES	HERBS	SEDGES	ANNUALS
			over 0.5m	under 0.5m
				
COVER CLASS (%)		30-70%	30-70%	
DOMINANT SPECIES		<i>Conost.</i> <i>* Rom. rosea</i>	<i>Centropus orist.</i> <i>Aphelia species</i>	
				1m

4. VEGETATION CONDITION

Comments

Ground cover of litter and moss, ^x *Rom. rosea* over whole plot. Rabbit dung ^{over} site, one rabbit mound (weedy), growing in site

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 JB 01
 Date 15/9/98
27-10-99

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>Acacia acuminata</i> ✓				HERBS (CONT)				<i>Thysanotus patersonii</i> ✓			
<i>Eucalyptus rudis</i> ✓				<i>Trachymene cyanopetala</i> ✓				<i>Cerastium glomeratum</i> ✓			
				<i>Croisola pedunculata</i> ✓				<i>Lagonotis hueg</i> ✓			
				* <i>Arctostaphylos calendula</i> ✓				<i>Hydrocotyle peltata</i> ✓			
				* <i>Ursin. antenoides</i> ✓				* <i>Galium obtusifolium</i> ✓			
				* <i>Tritolium</i> sp (skate) ✓				<i>Hydrocotyle peltata</i> ✓			
MALLEES				<i>Caladenia</i> sp 2 (skate) ✓				<i>Valleia trinervis</i> ✓			
				<i>Cheilanthes austrotenuistolia</i> ✓				* <i>Anagallis arvensis</i> ✓			
				GRASSES				<i>Caladenia</i> sp (bua) ✓			
				<i>Neurachne alopec</i> ✓				<i>Oxalis perennans</i> ✓			
				<i>Danthonia</i> sp ✓				<i>Drosera rotundifolia</i> ✓			
SHRUBS				* <i>Eriogonum longifolium</i> ✓				<i>Trachymene pilosa</i> ✓			
<i>Jacksonia sterna</i> ✓				<i>Microlaena stipoides</i> ✓				<i>Drosera menziesii</i> ssp menz ✓			
<i>Amegema preissii</i> ✓				* <i>Aira can.</i> ✓				SEDGES			
<i>Caecilia camp</i> ✓				* <i>Vulpia myuros</i> ✓				<i>Apollia drummondii</i> ✓			
<i>Hibb. commutata</i> ✓								<i>Centropus cristata</i> ✓			
<i>Leptos. erubescens</i> ✓								<i>Apollia cyparissides</i> ✓			
<i>Phytanthus colycinus</i> ✓								<i>Boerhaavia fraxinea</i> ✓			
<i>Opuntia vagineta</i> ✓				HERBS				* <i>Lepidosperma</i> sp costale ✓			
				<i>Conocylis</i> ✓				<u>27/10/1999</u>			
				<i>Drosera pulchella</i> ✓				<i>Caladenia unguiculata</i> (usp) ✓			
				<i>Levenhookia pusilla</i> ✓				<i>Schismus</i> ✓			
HERBS (CONT)				* <i>Romulea rosea</i> ssp australis ✓				<i>Lobelia tenuior</i> ✓			
<i>Diuris corymbosa</i> (usp) ✓				<i>Homo homo</i> ✓				<i>Briza maxima</i> ✓			
<i>Microtis media</i> ✓				<i>Gonocarpus nodulosus</i> ✓				<i>Habenaria simplex</i> ✓			
				<i>Glenospora drummondii</i> ✓				<i>Thysanotus tenuifolius</i> ✓			
				<i>Quintia urv.</i> ✓				<i>Brachyotum</i> ✓			
				<i>Valleia cynop.</i> ✓				<i>Goodenia</i> sp ✓			
				<i>Rutidosis multiflorus</i> ✓				<i>Goodenia micranthum</i> ✓			
				* <i>Hypochaeris glabra</i> ✓				<i>Drosera androsace</i> (usp) ✓			
				<i>Erios glabra</i> ✓							

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA Tulimar SITE NUMER JB02
 DATE TRIP 15/9/98 RECORDERS NC, GJK, BJK
 DATE TRIP 27-10-99 RECORDERS AW/WG/GK
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location Avon Valley NP.

Geographic Location	Latitude GPS Map Sheet	S Longitude Accuracy	E Altitude

Photograph	Name	Number
	<u>NG</u>	<u>3</u>

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 gritty loam Depth to Rock 0-30cm Colour brown

Exposed Rock type 10-30% % surface cover size range granite boulders

Litter > 70 % surface cover Depth (cm) 1cm

Bare Ground 0 % 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.

For each layer record - appropriate life form, cover class (see below) and dominant species in each layer					
Cover Class		2-10%	10-30%	30-70%	over 70%
TREES					
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM			Scattered Marri (same height) 		
COVER CLASS (%)			2-10		
DOMINANT SPECIES			<i>Allocas huez</i>		
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		10-30%			
DOMINANT SPECIES		<i>Xanth. prei</i> <i>Trg. florib.</i>			
GRASSES					
		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		10-30%			
DOMINANT SPECIES		<i>Cheil. austro</i> <i>Sol. lxi.</i> <i>Caesia mic.</i>			

4. VEGETATION CONDITION

Comments

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No JB 82

Date 15/9/98

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
Euc. celophylla ✓				HERBS				Drosera pallida (climbing) ✓			
Euc. wandoo ✓				Petersonia occidentalis ✓				Hydro. pilulifera ✓			
Alloxas hueg. ✓				* Sarchus oleraceus ✓				* Ursula anthemoides ✓			✓
Acacia acuminata ✓				Haemodorum laxum (ster) ✓				Conocarpus nodulosus ✓			
				Tricoryne elatior ✓				* Hypochaeris glabra ✓			✓
				Celadenia (ster) ✓				Choporella fimbriata ✓			
MALLEES				Drosera stolonifera ✓				Drosera glanduliger ✓			
				* Coladenia tenuis spectabilis (ster) ✓				Cyanicula deformis ✓			
				GRASSES				Arthropodium capillipes ✓			
				Splendens ✓				Xanthosia ✓			
				Microlaena stipoides ✓				Trichymene cyanopetala ✓			
				? Briza ✓ (= minor)				Prostylis vittata ✓			
SHRUBS				Stipa elegantissima ✓							
Mel. radula ✓				Neurachne alopec. ✓				SEDGES			
Xanth. preissii ✓								Schoenus p. nanus ✓			
Macrozamia riedlii ✓								27/10 Loricarpa flexuosa asperus ✓			
Lepto. erubescens ✓								Isolopis marginata ✓			
Trymalium floribund. (ster) ✓								27/10/1999 marginata ✓			
Hemigenia sericea ✓				HERBS				X Wahlenbergia preissii ✓			
Boroh. ramosa ✓				Chaetanthes austroten. ✓				X Trichymene pilosa ✓			
Phyllanthus caly ✓				* Rom. rosea ssp rosea ✓				X Rhodanthe polycarpa ✓			
Hib. commutata ✓				Chamaecilla versicolor ✓				X Centrolepis aristata ✓			
Xanthosia candida ✓				Burchardia congesta ✓				X Caladenia marginata ✓			
Dryanara fraseri ssp. (ster) ✓				Sowerbaea laxiflora ✓				X Lobelia tenuis ✓			
Acacia urophylla (seedling) ✓				Celadenia flava ✓				X Briza minor ✓			
Phytolites p. declinatus ✓				* Romulea rosea ssp. australis ✓				X Danthonia ✓			
				27/10 Trisanthus p. (climbing) ✓				manalis ✓			
				Caesia micrantha ✓				X Eriharta longiflora ✓			
				Hypoxis occident. ✓				X Halospermum caerulea ✓			
				Homo homo ✓				X Hevenbolcia pusilla ✓			
				* Anagallis arvensis ✓				X Stylidium acume ✓			
				Boysia sphaerocophala ✓				X Bromus horrid ✓			

Hydrasphaerocophala 27/10 X stylidium brunonian ✓
X hevenbolcia stipitata ✓

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA JB SITE NUMBER 3

DATE TRIP 15-9-1998 RECORDERS NG/BK/GK

DATE TRIP 27-10-1999 RECORDERS AW/NG/GK

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

None

Road Location Toodyay Rd

Geographic Location	Latitude GPS Map Sheet	S Longitude Accuracy	E Altitude
<i>None</i>			

Photograph	Name	Number
	<u>NG</u>	<u>7</u>

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

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>clay</u>	<u>> 1m</u>	<u>orange-brown</u>

Exposed Rock	type	% surface cover	size range
	<u>N1</u>		

Litter	% surface cover	Depth (cm)
<u>> 90</u>		<u>2-15</u>

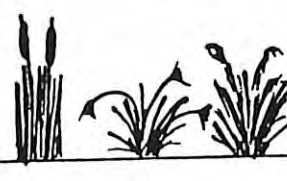
Bare Ground	% surface cover
<u>0</u>	

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%

LIFE FORM	TREES			MALLEES		
	over 15m	5-15m	under 5m	over 8m	under 8m	
						
COVER CLASS (%)	10/30					
DOMINANT SPECIES	Euc. caloph.					
	Eucrubilis					
	Mel. p. riss					
LIFE FORM	SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m	
						
COVER CLASS (%)	10/30					
DOMINANT SPECIES	Xanth. p. riss					
	Acac. myrtif.					
	Oxyl. linearis					
LIFE FORM	GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
						
COVER CLASS (%)			30/70			2/10
DOMINANT SPECIES			Paters. occ			Lepidosperma

4. VEGETATION CONDITION

Comments

partially cleared ca 50 yrs ago, some rubbish dumping. Fire ca 15 yrs ago
v. good

20×20

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

E. patens ~~the~~
E. calophylla
E. rudis / *M. preiss*

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

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA JB SITE NUMBER 4
 DATE TRIP 15/9/1998 RECORDERS BK/NG/GK
 DATE TRIP 27-10-1999 RECORDERS AW/NG/GK
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

*NOTE

15/9/98 soil too wet to sample
 18/11/98 " " " " "

Road Location

Toodyay Rd

Geographic Location

Latitude
GPS
Map Sheet

S Longitude
Accuracy

E Altitude

Norm

Photograph

Name NG

Number

8

Topographic Position

Upland
Upper slope
Midslope

Lower slope
Valley
Washline

(Circle the correct response)

swamp

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 > 1m
over grey clay

Colour black-grey peat

Exposed Rock type

0 % surface cover

size range

Litter

100 % surface cover

Depth (cm)

Bare Ground

0 % surface cover

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

3. VEGETATION STRUCTURE AND COVER

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

Cover Class					
2-10%		10-30%		30-70% over 70%	
TREES					
	over 15m	5-15m	under 5m	MALLEES	
				over 8m	under 8m
LIFE FORM					
					30m
					10m
COVER CLASS (%)	0/10	0/10			
DOMINANT SPECIES	Euc. rudis (Dead)	Mel. preiss (lglly dead)			
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
					2m
					1m
COVER CLASS (%)	2-10		2-10		
DOMINANT SPECIES	Vimin junce		Mel. lakitia		
	Ac. saligna				
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
					1m
COVER CLASS (%)	2	20/30	70		
DOMINANT SPECIES		Paks. occ	Lepidosp longd		
		Centella asiatica	Baumea rubigin		

4. VEGETATION CONDITION

Comments

Trees all or almost all dead
(Ac. saligna shrubs largely dead

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No	5B4
Date	15/9/98
	27-10-99

Record on Sheet

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

[illegible]

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA JB SITE NUMBER 5
 DATE TRIP 15/9/98 RECORDERS GK/BK/NG
 DATE TRIP 27-10-99 RECORDERS AW/NG/GK
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Balkaling -??

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

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	Brown loam	Depth to Rock	Colour
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Exposed Rock	type	over pink clay	% surface cover	size range
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Litter	70/90% surface cover	Depth (cm)
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Bare Ground	% surface cover	10/20
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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 (%)		30/50			
DOMINANT SPECIES		<i>Euc. wandoo</i> <i>E. calophylla</i>			

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		30/50		2-10	
DOMINANT SPECIES		<i>Gastrol. parvifl</i> <i>Xanth. pruss</i>		<i>Ac. lasioc</i> <i>Astrol. epac</i>	

GRASSES		HERBS		SEDGES	
				over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2/10	30/50			<2
DOMINANT SPECIES	<i>Vulpia my</i>	<i>Rom. rosea</i> <i>Ursinia anth</i> <i>Helicr. leucops</i>			

4. VEGETATION CONDITION

Comments

- v. small reserve
- extensive invasion by *Rom. rosea* in herb layer

20720

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

27-10-1999

same

[illegible]

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA JB SITE NUMBER 6
 DATE TRIP 16/9/1998 RECORDERS GK/NG/BK
 DATE TRIP 27-10-1999 RECORDERS AW/NG/GK
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location Worth Rd NR

Geographic Location	Latitude GPS Map Sheet	S Longitude Accuracy	E Altitude

Photograph	Name	Number
	<u>NG</u>	<u>10</u>

Topographic Position	(Circle the correct response)
Upland	Lower slope
Upper slope	<u>Valley</u>
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>loamy sandy clay</u>		<u>red brown</u>

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

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

Bare Ground	% surface cover
	<u>10/30</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 (%)	10/30		2			
DOMINANT SPECIES	<i>Euc. torophila</i>		<i>Ac. acumin</i> (old dead new seedlings)			
SHRUBS					SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m	
LIFE FORM						
COVER CLASS (%)	2-10					
DOMINANT SPECIES	<i>Alloc. camp</i>					
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m	
LIFE FORM						
COVER CLASS (%)	2-10%	10-30			30-70%	
DOMINANT SPECIES	<i>Erb. long</i>	<i>Lam. dav</i> <i>Gilb. ten</i>			<i>Lepid. v. v. v.</i> <i>Mesomel. preissii</i> <i>Lepid.</i>	

4. VEGETATION CONDITION

Comments

Grassy weeds 1/5 site to > 50%, elsewhere
Rov. rose in area to > 80%

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

Record on Sheet

- Column 1 plant name

- Column 2 plant number

• Column 3 flowering time- TICK if species flowering

• **Column 4** **identification** **check**

TREES				SHRUBS (cont.)				HERBS (cont.)				MALLEES			
No	FI	ID		No	FI	ID		No	FI	ID		No	FI	ID	
			<i>Euc. loxophleb</i>				* <i>Romulea rosea</i>				<i>Cheilanthes austro</i>				
			<i>Acac. acumin</i>				<i>Hyalosper. demissum</i>				<i>Trachymene cyanoptera</i>				
							<i>Crassula pedicellata</i>				<i>Dracopis pallida</i>				
							<i>Lobelia sp</i>				<i>Glennaspia crum</i>				
							GRASSES				<i>Rhodanthe laevis</i>				
							<i>Amphipogon strich</i>	27/10			<i>Wahlenbergia preissii</i>				
							(VSP)				* <i>Ursinia lank</i>				
											<i>Rhodanthe manglesi</i>				
							GRASSES				<i>Phyllanthium parviflorum sulcat.</i>				
							<i>Stipa elegantissima</i>				<i>Podocotyle colliculata</i>				
							<i>Neurectria alopec.</i>				<i>Spontanea micropetala</i>				
							<i>Stipa sp. hemipogon</i> (VSP)				<i>Vellera cycnobotanica</i>				
							<i>Briza maxima</i>								
							<i>Ehrharta longiflora</i>								
							<i>Stipa trichophylla tenuifolia</i> (VSP)								
							* <i>Avena barbata</i>								
							* <i>Aira cary.</i>								
							* <i>Vulpia myuros</i>								
							HERBS								
							<i>Kan. dactyloctenium rosea</i>								
							<i>Gilbertia kn.</i>								
							<i>Podolepis lessonii</i>								
							<i>Burchardia congesta</i>								
							<i>Borja lasiniata</i>								
							<i>Borja constricta</i>								
							<i>Chamaecilla variegata</i>								
							<i>Thysanotus parsonii</i>								
							<i>Trachymene ornata</i> (VSP)								
							* <i>Hypochaeris glabra</i>								
							<i>Eriogonum nodulosum</i>								
							<i>Ceratogone obionoides</i>								
							* <i>Artocarpus calenda</i>								

AQJ Asterionum linum-stellatum 16/9 (VSP)

Culadanic sp - no fruit 16/9 ✓

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA JB SITE NUMBER 7
 DATE TRIP 16/9/1998 RECORDERS NG/GK/BIC
 DATE TRIP 27-10-1999 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 Drummond NR

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

Photograph	Name	Number
	<u>NG</u>	<u>13</u>

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 white

Exposed Rock type 0 % surface cover _____ size range _____

Litter _____ % surface cover 70/90 Depth (cm)

Bare Ground _____ % surface cover 10/30

BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Muir)- 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 (%)			10/30		
DOMINANT SPECIES			Bank. menz " allanetta " grandis		
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	10/30		10		
DOMINANT SPECIES	Aden. cygnor		Alloc. hum		Mel. scabra
GRASSES		HERBS	SEDGES		
			over 0.5m	under 0.5m	
LIFE FORM					
COVER CLASS (%)	2	22		30/50-	
DOMINANT SPECIES	Amphipogon	Amig. humilis Conostyl. acul		Caustis dioica Alexgeorgia -	

4. VEGETATION CONDITION

Comments

poor

- severe diarrhoeal infection

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**

name if required

Euc. calophylla —

TREES	No	FI	ID	SHRUBS (cont.)	HERBS	No	FI	ID	HERBS (cont.)	No	FI	ID
Banksia aemula				Pterocarya paniculata					Pyrochloa nigricans			
" merrittii				Drosera pycnostachya	all 24/11				Quinchha urvi			
" grandis								X	Hypochaeris glabra			
									Weitzia triloba			
									Blennospora drummondii			
MALLEES									Palenaria corrigioloides			
									Astragalus ovale			(USP)
									Wickhamia preissii			
				GRASSES					Lomandra caespitosa			
				Nouriche alopec					Thysanotus ? sp.			
				Amphipogon turbinatus					Hydrocotyle sp.			
SHRUBS				* Vulpia myuros					Sambucus pumila			
Adiantum cymatophyllum									* Arctostaphylos californica			
Scholtzia involuta									SEDGES			
Allocasuarina humilis									Carex dioica			
Acacia pulchella									Alex. nitens			
Conospermum strobiliferum									Lyg. barbata			
Aster procumbens									Hypolaena exserta			
Glycyrrhiza hirsuta				HERBS					Schoenus frutescens			
Hibbertia subvag.				Corostylis setigera					Centropus drumm.			
Meteloneura scabra				Corostylis aurea					Schoenus subulifolia curviflora			
Hibbertia hueg.				Anigoz. humilis					27-10-1999			
Aracis applanata				Thysan. petersonii					X Siloxerus humilis			
Gomph. tomentosum				Stoporella ambriata					X Austrostipa compressa			
Nemcia capitata				Isoetes cuneiformis					X Drosera pycnostachya			(USP)
				Laxmannia remota					X			
				Trachymene pilosa					X			
				Drosera erythro.					X			
				Millotia ? angustifolia					X			
				* Ursinia anthem.					X			
				Podolobium angust.					X			
				Statid. repens					X			

Centrolepis celphasiformis 16/9

coll
27/10

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA 9 SITE NUMBER JB08
 DATE TRIP 16/9/98 RECORDERS BOK, NG, COK
 DATE TRIP 27-10-99 RECORDERS AW/NG/GK
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Tulimar Conservation Park

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

Photograph	Name	Number
------------	------	--------

NG

15

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 sandy clay Depth to Rock 30cm Colour brown

Exposed Rock type 10 % surface cover size range

Litter lentic pebbles % surface cover Depth (cm) 1 leaf

Bare Ground 40% % surface cover

Comments

Very Good - Excellent

- plant deaths, hepta (above rhizome)
- Conosperm, Dryanarum trees probably drought
- Parenchyma latilobus scattered through site

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20420

5. SPECIES PRESENCE

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

SITE No JB 68

Record on Sheet

Date 16/9/98

27-10-1999

- 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.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc. wandoo				Caladenia flava				Bluyensia glabra			
				Podochilus angustifolius				Phyllocladus demissus			
				Dampiera integrifolia				Opuntia stricta			
				Stylidium calceolatum				Brachycome glandulosa			
				Phyllocladus distachya				Chomacilla corymbosa			
				Helichrysum leucop.				Paranthera microphylla			
MALLEES				Caesia ? micrantha				Hydrocotyle ciliolata			
				Daucus glaberrima				Pharadoclea strobilata			
				GRASSES				Pharadoclea strobilata			
				Neurachne alopec.				Galium aparine			
				Grass				Hypoxis occidentalis			
SHRUBS				Vulpia myuros				Haemod. simplex			
Xanth. preissii				Xanth. preissii				SEDGES			
Dryand. bras				Amphipogon				Lepidobolus			
Daviesia hakeoides				Danthonia				Loxocarya flexuosa			
Conospermum polycephalum				Briza maxima	27/10			Schoenus telenostoma			
Grevillea pilulifera								27-10-99			
Hypo. angust				HERBS				Schizanthus Andinia mitchellii			
Opercularia vaginata				Caladenia flava				Danthonia			
Acacia huey				Borja scarp. sphaera				Lobelia rhombifolia			
HERBS				Romulea rosea				Bellardia trixago			
Trichymene pilosa				Burchard. multi				Hypocalymma angust			
Conostylis setigera				Podolepis lessonii				Briza minor			
Haemodorum sparsiflorum				Blendsp. drum				Podolepis lessonii			
Sowerbaea laxifl.				Hydrocot. colula				Hibbertia spicata			
Arthro capillipes				Mercuris aff. corymbosa small				Brachypodium distachya			
*Ursinia anthemoides				Parent. latifolia				Haemodorum laxum			
				Quintra urveitii							
				Homom. homa							
				Wahlgrenbergia preissii							
				Phyllocladus manglosii							

Wahlgrenbergia manglosii

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA JB SITE NUMBER 9
 DATE TRIP 17/9/1998 RECORDERS GK/BK/NG
 DATE TRIP 28-10-1999 RECORDERS AW/NG/GK
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Julinar Conservation Park

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

Photograph	Name	Number
------------	------	--------

Topographic Position	(Circle the correct response)
Upland	<u>Lower slope</u>
Upper slope	<u>Valley</u>
Midslope	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	gravelly sandy loam over gravel	Depth to Rock	Colour	yellow-brown
--------------	---------------------------------	---------------	--------	--------------

Exposed Rock	type	latrite	% surface cover	2/10	size range	pebbles
--------------	------	---------	-----------------	------	------------	---------

Litter	logs, lvs	% surface cover	70-90	Depth (cm)	2-10
--------	-----------	-----------------	-------	------------	------

Bare Ground	% surface cover	2/10
-------------	-----------------	------

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				
DOMINANT SPECIES	<i>Euc. wandoo</i>				

SHRUBS				SHRUBS
	over 2m	2m - 1.5m	1.5 - 1m	under 0.5m
LIFE FORM				
COVER CLASS (%)				30/50
DOMINANT SPECIES				<i>Grevill. pilulif</i> <i>Lech. bilda</i> <i>Hak. lissocarpa</i> <i>Bossiaa endocarpa</i> <i>Dry. lindley</i>

GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		20/30			
DOMINANT SPECIES		<i>Drosera stolonif</i> <i>Conostylis setig</i>			

4. VEGETATION CONDITION

Comments

logged ca 40yrs ago

20x20

20x20
+ Eve. acced_{ms}

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20x20

5. SPECIES PRESENCE

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

SITE No JB 09

Record on Sheet

Date 17/9/98

28-10-1999

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

E. Wandoo

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc. Wandoo				Caesia ? altardii				Hyalasp. cotula			
				Paranthera microphylla				Phyllanth. preissii			
				Millotia tenuifolia				Stylidium benoniceum			
				Gomp. Mary				Trachymene pilosa			
				Lomandra herm.				Stylid. atone			
				Pterostylis vittata				Hom. roma			
MALLEES				Hydro. glebra				Thysanotus petersoni			
				Lomandra caespitosa				Thysanotus ? thysoides			
				GRASSES				Leporella timb.			
				Stipa ? campylactis mollis (VSP)				Xanthosia candida			
				Neurachne alopec.				Lomandra sericea			
SHRUBS				*Vulpia myuros				Pakersonia rudis			
Acacia pulchella				*Ara. Cary.				Lovenh. pusilla			
Bassia enocarpa (Small)				*Briza minor				SEDGES			
Hakea lissocarpa								Tetrasia octandra			
Grev. pilulifera								Loxo. flex. - Desm. a sp. 28/10			
Dry. lind ssp. lind				decoratus (VSP)				Anthelia dremmondii			
Leucop. propinqua				HERBS				Cyan. ? avenacea			
Synsphaea sp = JB10				Lochananthea biloba				Centrolepis drum			
Hibb comata				Drosera sp. lanata							
Phyl. calycinus				Cham. versicolor							
Osercutaria vaginata				Trich. spatulata				HERBS			
Hypoclymna angust				Conostylis setigera				Lomandra herm			
Hibb. hyp.				Anthrop. capitipes				27-10-1999			
Chorizandra dicksonii				Stylid. calcaratum				X Naitzia gudeveol			
Grev. synsphaea				Caladenia flava				X Phyllanthium paradox			
Eriostema spicatum				Vallota trinervis				X Paranthera microphylla			
Xanth. preissii				Lagenaria hueg				X Goodenia microphylla			
Trymachena angustifolia				Hypoxis glabella				X II melaleuca ssp. white half			
				Hydrocotyle (Small) callicarpa				X Conostylis setigera			
				Wurmbea knellii				X Euphorbia (stipitata)			

pusilla

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA _____ SITE NUMBER JB10
 DATE TRIP 17/9/98 RECORDERS BOK, COK, NG
 DATE TRIP 28-10-99 RECORDERS AW, GK, NG
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Jutimar Cons. Park

Geographic Location	Latitude GPS Map Sheet	S Longitude Accuracy	E Altitude

Photograph

Name

NG

Number

23

(Circle the correct response)

Topographic Position

Upland

Upper slope

Midslope

1-cm high cap

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 0-30mm Depth to Rock gritty lean latvite Colour brown

Exposed Rock type 30% surface cover tabular size range massive

Litter 92 % surface cover Depth (cm) 1cm

Bare Ground 0 % 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

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					
	over 15m	5-15m	under 5m	MALLEES over 8m	under 8m
LIFE FORM		20x20m = below 	 		
COVER CLASS (%)		10-30			
DOMINANT SPECIES		<i>Euc. marg</i> <i>Euc. calb.</i>			
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM	 				
COVER CLASS (%)	30/70				10-30
DOMINANT SPECIES	<i>Dryand. sessilis</i> <i>Xanth. preiss</i>				<i>Hibb. hyperic</i> " <i>gladricolor</i>
GRASSES					
	HERBS		SEDGES	over 0.5m	under 0.5m
LIFE FORM	 		  		 
COVER CLASS (%)	2				2
DOMINANT SPECIES	<i>Conostylis setosa</i>				<i>Lepidosp angust</i>

4. VEGETATION CONDITION

Comments

logged in past - many *Dry. sessilis* regen

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No 7610

Date 17/9/98

28-10-1999

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>Euc. marginata</i>								<i>Arthro capillipes</i>			
<i>Euc. celophylla</i>								<i>Levenhook. pusilla</i>			
<i>bank. grandis</i> (seedling)								<i>Philothus mang</i>			
								<i>Lomandra laevis</i>			
								<i>Lomandra micrantha</i>			
								<i>Pteris caerulea</i>			
								<i>Diuris sp. calypso</i>			
MALLEES								<i>Hypochaeris glabra</i>			
								<i>Planella revoluta</i>			
				GRASSES				<i>Pterostylis acuta</i> aff. <i>na</i>			
				<i>Vulpia myuros</i>				<i>Tricoryne elatior</i>			
				<i>Danthonia sp.</i>							
SHRUBS								SEDGES			
<i>Dryandra sessilis</i>								<i>Lepid. angust.</i>			
<i>Dryandra lind. splend.</i>								<i>Tetra. tetrandra</i>			
<i>hibb. hyp.</i>											
<i>hibb. hueg.</i>											
<i>hibb. glandulosa</i> var. <i>lanigera</i>											
<i>Xanth. ciliatum</i>											
<i>Synaphaea spectabilis</i>											
<i>Xanth. preissii</i>				HERBS							
<i>Astroloma pallidum</i>				<i>Trich. spath.</i>							
<i>Monotaxis grandiflora</i>				<i>Conostylis setosa</i>							
<i>Lochen. biloba</i>				<i>Lomandra caespitosa</i>							
<i>Acacia</i>				<i>Stylid. orthoceras</i> <i>hispidulum</i>							
<i>Hovea trisperma</i>				<i>Dyrorchis nig.</i>							
				<i>Cham. versicolor</i>							
				<i>Lomandra sericea</i>							
				<i>Stylid. diuroides</i>							
				<i>Prosera erythro</i>							
<i>ADT. Trichomanes flabellum</i>				<i>Millotia tenui</i>							
				<i>Hydrocotyle sp. (small)</i> <i>callicarp.</i>							
				<i>Prosera leucoblasta</i>							
				<i>Trichomanes pilosa</i>							

DRYANDRA (f. glandulosa)

28-10-1999

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA _____ SITE NUMBER JB 11

DATE TRIP 16/9/1995 RECORDERS NG/GK/BK

DATE TRIP 28/10/1999 RECORDERS AW, NG, GK

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Julimar Conservation Park

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

Photograph	Name	Number
	<u>NG</u>	<u>19</u>

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

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 > 1 Colour brown

Exposed Rock type 0 % surface cover size range

Litter % surface cover 30/50 Depth (cm) 2-5

Bare Ground % surface cover 20/40

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			MALLEES		
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	20/40				
DOMINANT SPECIES	Euc. Wandoo				
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 (%)	10-20	20/30			
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments

many dead :- waterlogging / salt

20 x 20

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**

E. wandoo

no porta
but 3
rows
coll.

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA _____ SITE NUMBER JB 12

DATE TRIP 16/9/98 RECORDERS N/GK/BK

DATE TRIP 28-10-99 RECORDERS AW, GK, NG

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Road Location

Julinar Conservation Park

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

Photograph	Name	Number
	<u>NG</u>	<u>18</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	Aspect
<u>flat</u> gentle steep	N NE E SE S SW W NW

Surface Soil	Depth to Rock	Colour
<u>sand to 40cm over bluestone gravel</u>		<u>grey</u>

Exposed Rock	type	% surface cover	size range

Litter	% surface cover	Depth (cm)
	<u>60</u>	<u>2-1 leaf</u>

Bare Ground	% surface cover
	<u>5</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		 20x20 Scattered More with Euc. more 30-70%			
COVER CLASS (%)		30-70%			
DOMINANT SPECIES					

	SHRUBS				SHRUBS
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	10-30	1-30	10-30%	2-10%	10-30
DOMINANT SPECIES	Dry sessilis		Xan. frei	Vert. serot.	Lb. Lyp

	GRASSES	HERBS	SEDGES	over 0.5m	under 0.5m
	LIFE FORM				
COVER CLASS (%)		10-30			
DOMINANT SPECIES		Cono. acul.			

4. VEGETATION CONDITION

Comments

Very Good
 - Hyp. glabra / Urs Anth 2-10%
 - weeds from adjacent paddocks

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20720

5. SPECIES PRESCENCE

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

SITE No JB 12

Record on Sheet

Date 16/9/98

28-10-1999

- 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	HERBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Euc. marg.</i> ✓				<i>Stylidium diversoides</i> ✓				<i>Lomandra caespit.</i> ✓			
				<i>Ragwortia hughesii</i> ✓				<i>Helip. mang.</i> ✓			
				<i>Drosera menziesii</i> ✓				<i>Stylid. Schoenoides</i> ✓			
				<i>Chamaecilla conyubata</i> ✓				<i>Peranthera mica</i> ✓			
				* <i>Arctotheca celandula</i> ✓				<i>Wahlenbergia capensis</i> ✓			
				<i>Caladenia flava</i> ✓				<i>Stylid. calcareum</i> ✓			
MALLEES				<i>Thysanotus petersonii</i> ✓				<i>Leporella fimbriata</i> ✓			
								<i>Crassula colorata</i> det. coll. ✓			
				GRASSES				<i>Trachymene pilosa</i> ✓			
				* <i>Aira can.</i> ✓				<i>Mitella</i> 7 ten (USP)			
				* <i>Briza</i> ✓				<i>Colandrinia granulata</i> ✓			
SHRUBS				<i>Dentonia</i> ✓				<i>Calandrinia corrig.</i> ✓			
<i>Jack stern</i> ✓								<i>Laxm. squarrosa</i> ✓			
<i>Xanth. preissii</i> ✓								SEDGES			
<i>Dryandra sessilis</i> ✓								<i>Luzula barb.</i> ✓			
<i>Hibbertia hyp.</i> ✓								<i>Schoenus curvitolius</i> ✓			
<i>Eriostemon spicatus</i> ✓								<i>Lepidosperma squarrosa</i> ✓			
<i>Macrozamia niddlii</i> ✓								<i>Centropus pilosa</i> ✓			
<i>Verticord. serrata</i> ✓				HERBS				<i>Centrop. blum.</i> ✓			
<i>Calydnis aurea</i> ✓	27/10			* <i>Hyp. glabra</i> ✓				<i>Schoenus nanus</i> ✓			
<i>Dryanthus calycinus</i> ✓				* <i>Ursin. anthem.</i> ✓			(USP)	<i>Isolopis mang.</i> ✓			
<i>Hibb. hughesii</i> ✓				<i>Drosera gland.</i> ✓				<i>Hypolaena exsulca</i> ✓			
<i>Hovea triperma</i> ✓				<i>Diinetic unicolor</i> ✓				28-10-1999			
<i>Opercularia vaginata</i> ✓				<i>Drosera</i> ✓				* <i>Briza maxima</i> ✓			
				<i>Anigozanth. humilis</i> ✓			(USP)	* <i>Pentastictis aroid</i> ✓			
				<i>Conostylis setigera</i> ✓				* <i>Borja sphaeroceph.</i> ✓			
				<i>Conostylis aculeata</i> sub. ruscii (USP)				* <i>Conospermia calyculata</i> ✓			
				<i>Lom. herm.</i> ✓				* <i>Stylidium hispidum</i> (USP)			
				<i>Anigozanth. mang.</i> ✓				* <i>Vulpia myuros</i> ✓			
				<i>Caladenia discidea</i> ✓			(USP)				
				<i>Pyrorchis nigricans</i> ✓							
				<i>Ragwortia hughesii</i> ✓							

An

 hybrid Anigoz (ady) 28/10
 humilis x mang (USP)

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA JS SITE NUMBER 13

DATE TRIP 16/9/1998 RECORDERS NG/BK/GK

DATE TRIP 28-10-1999 RECORDERS AW/GK/NG

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

Norm

Road Location Julimar SF

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

Photograph Name NG Number 17

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 gentle steep Aspect N NE E SE S SW W NW

Surface Soil sand Depth to Rock _____ Colour yellow
to > 40 cm

Exposed Rock type 0 % surface cover size range

Litter % surface cover 30/50 Depth (cm) 2-5 cm.

Bare Ground % surface cover 10/20

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES					MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m	
LIFE FORM						30m 10m
COVER CLASS (%)	10/30					
DOMINANT SPECIES	<i>Euc. calophylla</i>					
SHRUBS					SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m	
LIFE FORM						2m 1m
COVER CLASS (%)	2-10				20/30	
DOMINANT SPECIES	<i>Hakea prst</i> <i>Jacks. scrub</i> <i>Xanth. preiss</i>				<i>Hypocal. angust</i> <i>H. h. h. h.</i> <i>Phyll. calycinus</i>	
GRASSES		HERBS	SEDGES			
			over 0.5m	under 0.5m		
LIFE FORM					1m	
COVER CLASS (%)		20/30				
DOMINANT SPECIES	L2	<i>Venn. prst</i> <i>Trachy. pil</i>			<i>Schoen. clandest</i>	

4. VEGETATION CONDITION

Comments

burnt ca 5 yrs b/t
old sand pit ca 100 m NE

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 JB 113

Record on Sheet

Date 16/9/98

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

28-10-1999

TREES	No	FI	ID	SHRUBS (cont.)	HERBS	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Euc. calophylla</i>				* <i>Anagallis arvensis</i>					* <i>Parentucel. latifolia</i>			
				<i>Loporeia timbrata</i>					<i>Hydrocotyle</i>			
HERBS				<i>Caesia micrantha</i>					<i>Calandrinia corrig.</i> (VSP)			
<i>Homo homo</i>				<i>Conostylis setigera</i>					<i>Wahlenbergia preissii</i>			
				<i>Leitneria laurata</i>					<i>Lagonotis hueg.</i>			
				<i>Crassula pedicellata</i>					<i>Suaeda lazi</i>			
MALLEES				<i>Mitella tenuis tenuiflora</i>					<i>Drosera gland</i>			
				<i>Lobelia sp.</i>					<i>Stylid. calcaratum</i>			
				GRASSES					<i>Drosera macrantha</i> (VSP)			
				* <i>Valeria nigra</i>					<i>Potentilla microphylla</i>			
				* <i>Bira maxima</i>					<i>Lumandra caespitosa</i>			
SHRUBS				<i>Nourachne alapa</i>					<i>Ortho. laxiflora</i>			
<i>Hak prost</i>				* <i>Aira canyophyl.</i>					<i>Cham. corymbosa</i>			
<i>Xanth preissii</i>									SEDGES			
<i>Jack Skon.</i>									<i>Schoenus islandia</i>			
<i>Hibb hyp.</i>									<i>Schoenus nanus</i>			
<i>Hypocotyl. oncosti</i>									<i>Centrolepis drum.</i>			
<i>Haker ruscifolia</i>									<i>Centrolepis aristata</i>			
<i>Grevillea pilulifera</i>				HERBS					<i>Lepidobolus?</i>			
<i>Conosperm. stoeck. ssp sclerophylla</i>				* <i>Ursinia anth</i>					<i>Aphelia cyperoides</i>			
<i>Phylant. calycinus</i>				<i>Calandrinia flata</i>					<i>Triglochin aff. centro</i>			
<i>Gomp. tomentosum</i>				<i>Lawrenzia davenportii</i>					<i>Lepidosperma tenax</i> sp. 02			
<i>Hibea hisperma</i>				<i>Pyrorchis nigricans</i>					<i>Centrolepis pilosa</i>			
<i>Hibb. enervia</i>				<i>Anisozanthos humilis</i>					<i>Indefin. var. 169</i> (VSP)			
<i>Gomph. mara</i>				<i>Rhodanthe mang</i>					28-10-1999			
<i>Veronica phumosa</i>				<i>Kennedia prostrata</i>					+ <i>Waitzia suaveol</i>			
				<i>Trachymene pilosa</i>					x <i>Stipa</i>			
				<i>Daucus glochida</i>					x <i>Lythraea pusilla</i> / <i>tenuis</i>			
x <i>Lobelia tenuifl.</i>				* <i>Hypochaeris glabra</i>					x <i>Pontederia calymega</i>			
x <i>Stylidium ciliatum</i>				<i>Podolepis canescens</i>					x <i>Podolepis anaphalodes</i>			
x <i>Blenhospira drum.</i>				<i>Drosera strobilata</i>					x <i>Levenhookia pusilla</i>			
x <i>Stipa macalpinei</i>				<i>Hyalospermum colute</i>					x <i>Levenhookia pusilla</i>			

28/10 x *Microlaena stipoides*
x *Danthonia*

x *Stackhousea monogyna*
x *Podoleuca angustifolia*

x *Isotoma hypocratiformis*
x *Leucopogon propinquus*

Stylidium dictyonum 28/10
Scand. phloxifolia 28/10

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA _____ SITE NUMER JB 14

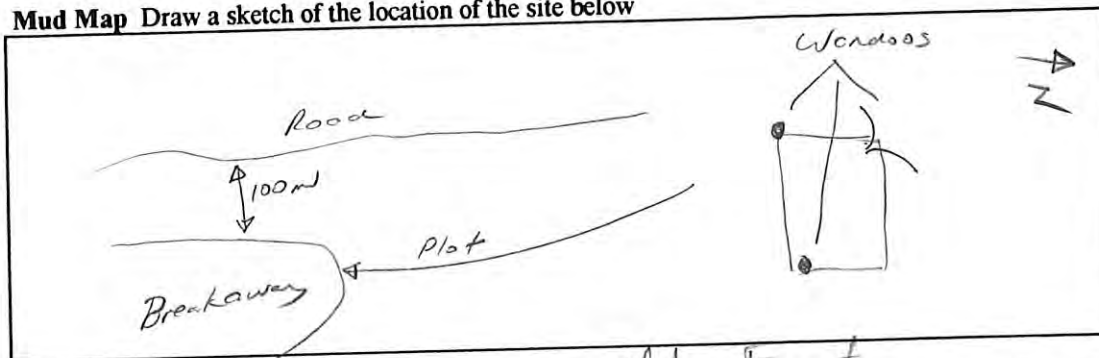
DATE TRIP 15/9/98 RECORDERS AKK, NG, BOK

DATE TRIP 27-10-1999 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

State Forest
31° 35' 41.3" 116° 15' 56.6"

Geographic Location

Latitude 31° 35' 41.3" S Longitude 116° 15' 56.6" E Altitude
GPS Accuracy Pdop 2.8
Map Sheet

Photograph

Name NG

Number

4

Topographic Position

Upland

Upper slope

Midslope

Yes

Lower slope

Valley

Washline

(Circle the correct response)

Lake/river

Breakaway

2. SITE DATA Circle the correct response

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

Surface Soil laterite Depth to Rock _____ Colour _____

Exposed Rock type 50% % surface cover _____ size range 1m - 0.30m

Litter 50 % surface cover _____ 0.5 Depth (cm)

Bare Ground 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

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 (%)		10-30%			
DOMINANT SPECIES		<i>Euc. accedens</i>			

SHRUBS			SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m
LIFE FORM				
COVER CLASS (%)				2-10%
DOMINANT SPECIES				<i>mixed</i>

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

4. VEGETATION CONDITION

Comments

RUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No TB 14

Date 15/9/98

27-110-1999

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

• Column 4 Identification check																	
TREES			No	FI	ID	SHRUBS (cont.)			No	FI	ID	HERBS (cont.)			No	FI	ID
Euc. accedens ✓			✓														

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA _____ SITE NUMBER JB 15

DATE TRIP 15/9/98 RECORDERS BRK, NG, SJK

DATE TRIP 27-10-1999 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

State Forest.

Geographic Location

Latitude 31° 36' 30.6" Longitude 116° 15' 41.5" Altitude
GPS 116° 15' 41.5" Accuracy Pdop 6.92
Map Sheet

Photograph

Name

NG

Number

5

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 loam to 7cm Depth to Rock

Colour brown

over orange gravelly loam to 40cm over gravel

Exposed Rock

type

% surface cover

size range

Litter

30-50

% surface cover

Depth (cm) 2 leaves

Bare Ground 70-80 % 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

AMG
429953
6502596

BUSHLAND PLANT SURVEY RECORDING SHEET 2 (Muir)- 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%			
DOMINANT SPECIES		Euc. cal			

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)				10-30%	30-70%
DOMINANT SPECIES				Iso. div	Hak. spen
				Xanth. drum	Hank. incras

GRASSES		HERBS		SEDGES	
	over 0.5m		over 0.5m		under 0.5m
LIFE FORM					
COVER CLASS (%)		10-30%			
DOMINANT SPECIES		Borya scirp.			

4. VEGETATION CONDITION

Comments

Excellent: ? hot fire or shallow soil, reduced cover at Morn (to 10-30% elsewhere)

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

Same

5. SPECIES PRESCENCE

SITE No JB 15

Date 15/9/98

27-10-1999

Label each plant with plants number, site code, Column 1 plant name

Record on Sheet

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

SITE NO 15/9/98
Date 15/9/98
27-10-1999

Column 3 flowering time- TICK if species flowers
Column 4 Identification check

				HERBS (cont.)				No	FI	ID
TREES				SHRUBS (cont.)				No	FI	ID
Euc. celophylla				Hibb. huegelii						
				Daviesia preissii						
				Myrsine floribunda						
				Pimelea suaveolens						
				Opercularia vaginata						
				Hakea ruscifolia						
MALLEES				GRASSES				No	FI	ID
				Neurachne alopecur						
				Stipa campylachne						
SHRUBS				HERBS				No	FI	ID
Xanth. preissii				Drosera peltata						
Iso. diversens				Dro. erythro						
Hak. steriscarpa				Lax. grandiflora						
Hak. incrassata				Stylidium puberulum brevisev						
Calotham. sanguin				Stylidium pycnostachyum						
Grevillea bipinnat				Malospermum cat.						
Isopogon dubius				Ptilothus mong						
Dryandra bipinnat				Thobelia						
Gastrolobium calycinum				Lom. caespitosa						
Hibb. hypericoides				Thysanotus spartens						
Ricinihacarpus glaucus				Chem. corymbosa						
Baeclea camphorosmae										
Daviesia decurrens										
Gomph. marg										
Lach. hirta										
Glish aurum										
Persoonia rudis										
Grevillea synp. (seedling)										

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA _____ SITE NUMBER JB 16

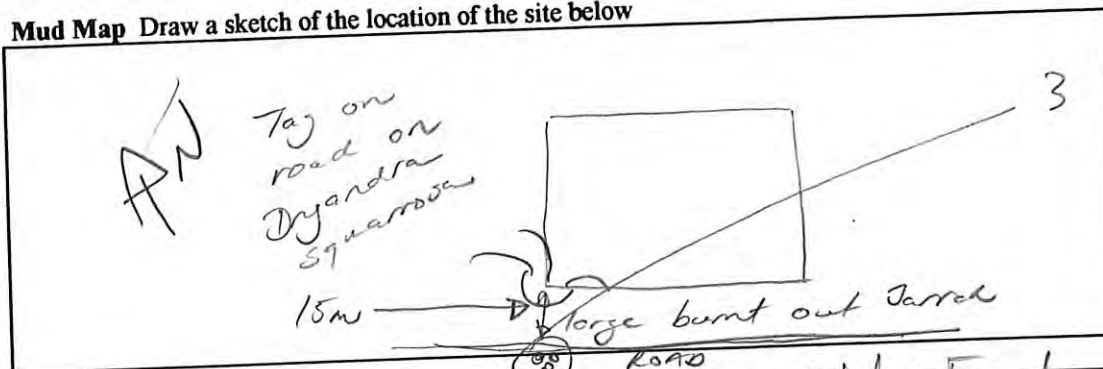
DATE TRIP 15/7/98 RECORDERS NG, GOK, BJK

DATE TRIP 27/10/1999 RECORDERS AW/GK/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 31° 38' 05.5" S Longitude 116° 16' 31.8" E Altitude 31° 38' 03.5"
GPS Accuracy 2-4 Map Sheet 116° 16' 19.1"

Photograph Name NG Number 6

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 _____ Colour brown

Exposed Rock type over orange gravel % surface cover < 20% size range _____

Litter > 90 % surface cover _____ Depth (cm) 1cm

Bare Ground 0 % 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

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 (see below) and dominant species					
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 (%)		10-30%			
DOMINANT SPECIES		<i>Euc. marg</i> <i>Euc. cato.</i>			
SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		30-70%			30-70%
DOMINANT SPECIES		<i>King auct</i> <i>Xanth. perei</i> <i>Hek. trit.</i>			<i>Cal. Sang</i>
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		2-10%			2-10%
DOMINANT SPECIES		<i>Mixed</i>			<i>Tet. octo</i>

4. VEGETATION CONDITION

Comments

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No JB 16
Date 15/9/98
27-10-99

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
Euc. calophylla				Dryandra bipinn.				Thysanotus? thyrsoid.			
Euc. marg.				Synaphaea petiolaris				Stylid. piliferum			
				Daviesia preissii	27/10			Lomandra sericea			
SHRUBS (cont.)				Calytrix				Drosera pallida			
Gonocarpus cordiger				Lasopetalum? cardiophyllum				Stylid. Schoenoides			
Daviesia preissii				Calothamnus sanguineus				Philothus mang.			
MALLEES				Boronia ovata				Paksonia redii			
Tetraloaea (loefl.) nuda				Hibbertia hughes				Hydrocotyle ciliata			
Acacia				GRASSES				Laxmannia grandis			
Calothamnus sang. 15/9				Danthonia sp. (ster)				Lomandra spartea			
				Neurochne alopec.				Trachymene pilosa			
SHRUBS				Stipa				Tricoryne elatior			
Hak. tri.				Amphipon? strictus				Elythron. bruno.			
Xanth. preissii								SEDGES			
Kinc. australis								pet. octandra			
Isop. dubius								Schoenus sp. (litter)			
Hibb. nyo								Hepidasp. pete. pubisquam.			
Hakea liss.								Schoenus nanus			
Hakea tricusca				HERBS				Loxocarya fasciculata			
Petrophile strata				Lomandra purp.				Thelymitra? crinita			
Bass. androcarp. large				Lom. kern.				Schoenus sp. (litter)			
Grevillea pilulifera				Paksonia juncea				Schoenus sp. vel off. brevisetis			
Leucop. propinquus				Stylid. brun.				HERBS			
Dryandra lindleyi				Drosera drythra				Lech. biloba			
Acacia applectra				Leventh. pusilla				Pterostylis vittata			
Hakea undulata				Pterostylis recurva				* Hyp. glabra			
Tetraloaea hirsuta				Trichodine spath.				Thysanotus? arbuscula			
Opercularia vag.				X Stylid. brevicaule (not bulb)				Stylid. calcaratum			
Gastrol. spinosum				X Conosty. sp. (setigera)				27/10			
Gomph. knight				Haemodorum laxum				X Thysanotus triandrus			
Xanth. gracilis				Chaemascilla composita				X Calothamnus sanguineus			
Astroloma pallidum				Thysanotus spartea							

X Astroloma ciliatum
X Levenhookia pusilla
X Poranthera microphylla

X Poa drummond
X Pterochaeta pannicul
X Mesomelaena tetraeora

Cur. inc. -
sp. can. inc. -

X Stylidium
X Lom. sonderi
X Wahlenbergia preiss

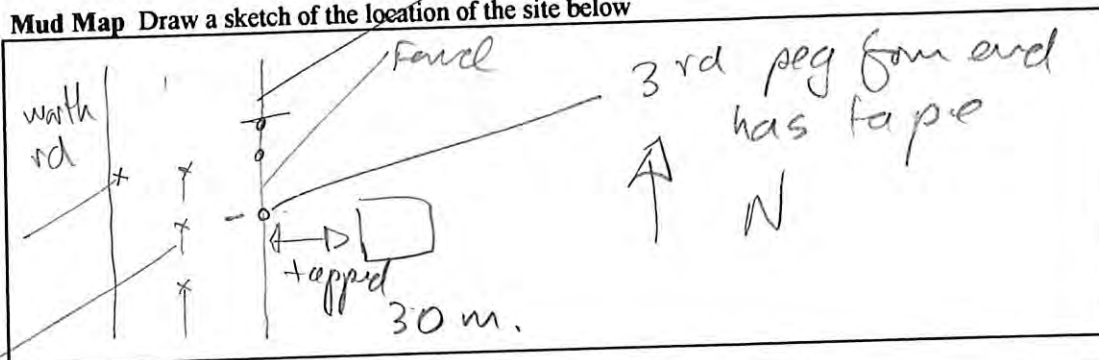
STHINS
29/8
WSP

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA JB SITE NUMBER 17
 DATE TRIP 16/9/1998 RECORDERS BK/NG/GIK
 DATE TRIP 27-10-1999 RECORDERS AW/NG/GIK
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location WORTH RD

Geographic Location Latitude 31° 19' 14.3" Longitude 116° 33' 43.7" Altitude 458339
 GPS Accuracy 2.0
 Map Sheet

Photograph Name NG Number 11

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 clay **Depth to Rock** deep **Colour** grey

Exposed Rock type 0 % surface cover size range

Litter logs, twigs % surface cover 30/50 Depth (cm) 1-2 cm

Bare Ground % surface cover summer 70/90

blue/green algae

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 (%)		30/70			
DOMINANT SPECIES		Cas. obesa			
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	SEDGES	
			over 0.5m	under 0.5m	
LIFE FORM					
COVER CLASS (%)	10/30	30/50	10/20	2	
DOMINANT SPECIES	Vulpia	Colula colul	Gahnia trifida	Juncus acutus	

4. VEGETATION CONDITION

Comments

* burnt ca 15/20 yrs before - dense regrowth
 Old trees dead. ? Saline - invaded by Juncus
 acutus @ edges / Nostoc algae soil cover.
 site a glade in Casuarina

20720

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 JB 17

Record on Sheet

Date 16/9/1999

27-10-1999

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

Euc. rudis (dead) -

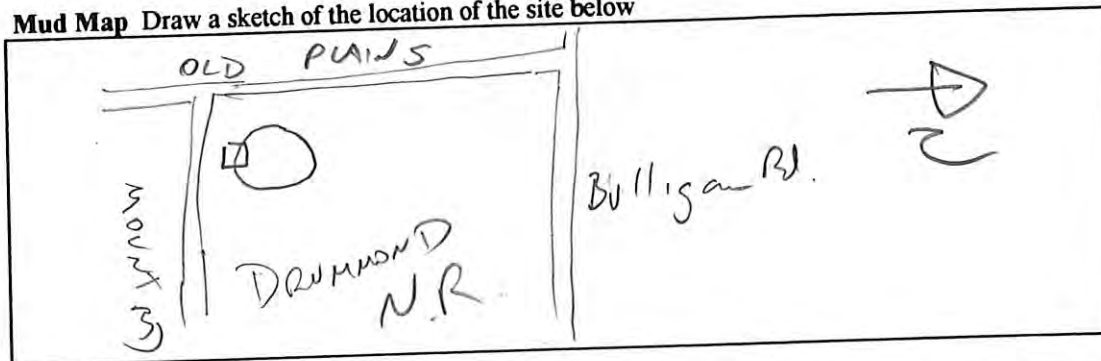
TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Casuarina obesa ✓								27-10-1999			
								x Paraphlois incurva ✓			
								x Polypogon monspeli ✓			
								x Isollepis ~~cernua~~ ^{stylis} (VSP)			
								x Suncus bufonius ✓ (VSP)			
								x Puccinellia striata ✓			
								x Centaurea ~~cythera~~ ✓			
MALLEES											
				GRASSES							
				Tufted							
				Vulpia myuros ✓ ?							
				Hordeum marinum ✓							
SHRUBS											
								SEDGES			
								Juncus tritida ✓			
								Juncus acutus ✓			
				HERBS							
				Cotula cotuloides ✓							
				Apium annuum ✓ (VSP) 16/9							
				Triglochin centrocarpum ✓							
				" calcitralpa ✓							
				" mucronata ✓							
				Gratiola peruviana ✓							
				Aster subulatus ✓							
				Anagallis arvensis ✓							
				Sonchus oleraceus ✓							
				Pogonolepis stricta ✓							

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA JB SITE NUMBER JB 18
 DATE TRIP 16/9/98 RECORDERS NG/GK/BK
 DATE TRIP 18/11/98 RECORDERS ?
 DATE TRIP 27-10-99 RECORDERS

1. LOCATION of the QUADRAT

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



Road Location

Geographic Location Latitude 31° 19' 40.8" S Longitude 116° 24' 06.1" E Altitude PDP 2.3
 GPS Accuracy
 Map Sheet

Photograph

Name NG Number 12

Topographic Position

Upland

Upper slope

Midslope

Lower slope

Valley

Washline

(Circle the correct response)

claypan

2. SITE DATA Circle the correct response

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

Surface Soil fine sand Depth to Rock over grey clay Colour pink-brown

Exposed Rock type % surface cover size range

Litter % surface cover Depth (cm)

Bare Ground % surface cover

Wetland, water to 0.05m

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

NO SOIL
SAMPLE
FREE
WATER

Soil
collected
18/11/98

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.

Record	appropriate line item, cover	Class	2-10%	10-30%	30 - 70%	over 70%
Cover	Class					

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

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)				> 100 m ² 30-70% 10-30%	
DOMINANT SPECIES				Mel lat	

GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)		> 70%			30-70%
DOMINANT SPECIES		Mixed			Leptocarpus

4. VEGETATION CONDITION

Comments

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 JB 18

Record on Sheet

- Column 1 plant name

- Column 2 plant number

• Column 3 flowering time- TICK if species flowering

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

Date 16/9/98

27/10/199

14 111 98

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
				8/11/98 Vill cap Good mic Mitra herb Cicadifly Microtis subicularis Horse-horn Little red Celastrium				12/10/98 Utricularia Tribonanthes sp 2 Tong 1/petel Hydrocotyle fl. Calceolaria V. sm Stylidium ? longitubum Glossostigma diandra Sun grass herbs in fruit Sun real herb & Trithuria bibracteata Acacia fleiformis Annual Silene Grass herb = 2 Gouardia Schizanthus ? elongatus Sun Calceolaria ? compact glabra			
MALLEES				GRASSES Thysanotus thymoides Hydrocotyle alata Stylidium angustatum Agrostis adnascens				SEDGES Leptocarpus Meekoidia conjugata Lepyrodia Chorizanthe erodis Baccharis elegans Baccharis radicans Schizanthus scaberrimus Heliosiphon sp			
SHRUBS Mel. lakatua				HERBS Tribonanthes sp BRITTON Phyllidrella hyssopus Daisy Hyalobrya cotula Hydrocotyle latifolia Villarsia capitata Hydrocotyle tenuissimas Raesia affinis Drosera glanduligera Leptocarpus nodulosus Calceolaria long calyx splendens				12/10/98 Hyalobrya glabra Celastrium aff ptychochaeta Horse horse 18/11/98 Annulus fin 1st ADJ Eleocharis longistylis			

ADJ Gordon's hermitian

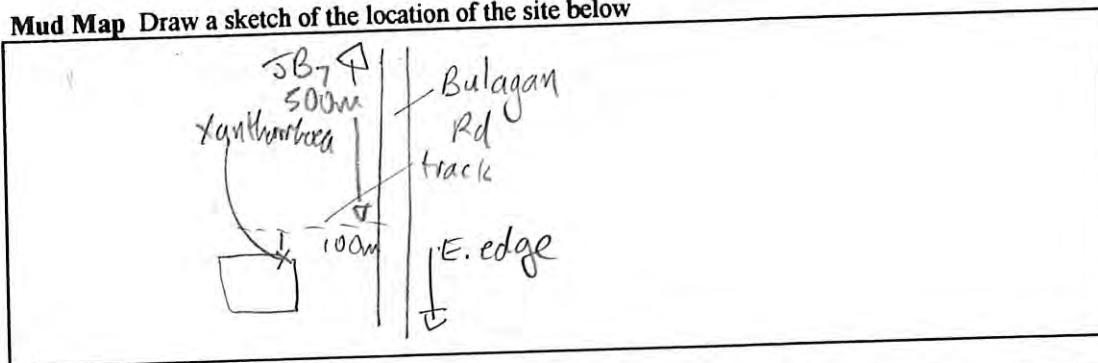
✓ ADJ *Divis laeifolia* (usa)
✓ ADJ *Linum marginale*

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA JB SITE NUMBER 19
 DATE TRIP 16/9/1998 RECORDERS NG/BK/GK
 DATE TRIP 27-10-99 RECORDERS AW/NG/GK
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location Drummond NR, Bulagan Rd

Geographic Location Latitude 31° 18' 45.2 S Longitude 116° 24' 33.9 E Altitude 207
 GPS Accuracy 2.7
 Map Sheet

31° 18' 27.1"
 116° 24' 20.3"

Photograph Name NG Number 14

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 over gravelly loam Colour brown

Exposed Rock type Adj exposed granite patches % surface cover _____ size range _____

Litter 50 % surface cover _____ Depth (cm) 2/3 covers

Bare Ground 5 % surface 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, and dominant species					
Cover Class		2-10%	10-30%	30 - 70%	over 70%
TREES			MALLEES		
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM		20 x 20 2-10%			
COVER CLASS (%)		10-30%			
DOMINANT SPECIES		Euc wandoo			
SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)			2-10		2-10
DOMINANT SPECIES			Xant prei		Dry tras Hak. incras
GRASSES		HERBS	SEDGES	over 0.5m	
				under 0.5m	
LIFE FORM					
COVER CLASS (%)		10-30		2-10%	
DOMINANT SPECIES		Orth. lax Bory sphaler Watkin		Lax & cory -	

4. VEGETATION CONDITION

Comments Very Good - Excellent
 ≈ 20yrs ago heavily cut, scattered
 * Rose roses.

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20720

5. SPECIES PRESCENCE

SITE No JB 19

Date 10/9/98

27-10-1999

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

same

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.)	HERBS	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc. Wandoo				Linum marginale					Helichry leucopsedum			
				Mitella tenuiflora					Polygala maxwellii			
				*Parentucella talbotia					Phytol. Stirlingii			
				Goodia berardina					Arth. capillaris			
				*Ursinec anthem					Hydrocot. piliifera			
				Daucus glochid					Lagenikera hueg			
MALLEES				*Hypochaeris glabra					Blennospora drum			
				*Habenbergia preissii					Waltia nitida			
				GRASSES					Podolopis lessonii			
				Stipa elegantis					Trichocarp. colula	27/10		
				Neurochore olap					*Anagallis arvensis			
SHRUBS		X	X	*Briza maxima	27/10				Trachymene pilosa			
Xanth. preissii				Grass					Trichocline 15/9/98			
Hakea in crass									SEDGES			
Dry. Fraseri									Lax. ? aspera			
Phyll. calycinus									Lepid. tenuis			
Hakea lissocarpa									Boeaenus rarus			
Habb. comutata									Centrolepis trammoadi			
Hacacia laeviscarpa				HERBS					mutia			
Bossicea erio (Small)				Ortho. lous					Crassula elata var. lobata	16/9		
Operculata vag				Lomandra obtusa								
Dampiera ? incana				Caladenia longi ssp. oliv.					HERBS (Cont)			
Chibbertia hyper				Caladenia trana					Podolopis canescens			
Gomph. mar				Long. sphaero.					*Anagallis arvensis			
Habb. spicata hol. studa				Thysanotus pot					Calotus hispida			
27-10-1999				Drosera erythro					Crassula podicalosa			
X Isotoma hypoxanthif				Lom. caespitosa					Hydrocotyle med.			
X Quinetia purvillae				Caesia altissimif					Can. Trantman ornit			
X Levenhookia pubella st. h. t.				Drosera pallida					X Choodenit pulchella ssp. walt.			
X Danthonia				Cham. corymbosa					X Gnephosis tenuissima			
X Wartzia guayanae				Homo. homei								
X Stipa trichophylla				*Romulea rosea								
X Tritium asperum				X Avena barbata					X Podolopis canescens			
X Aiza coryophyll				X Lagenifera megeli					" lessonii			
				X Bellardia fraxago					X Lechenaultia biloba			

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA Julimar SITE NUMBER 5020

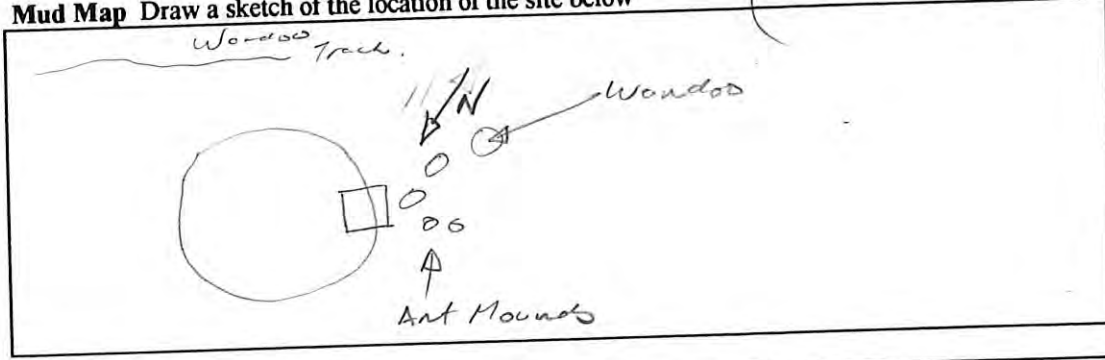
DATE TRIP 16/9/98 RECORDERS BSK/STH/NS

DATE TRIP 18-11-98 RECORDERS

DATE TRIP 27-10-99 RECORDERS AW/NG/GK

1. LOCATION of the QUADRAT

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



(Julimar Cons PK)

Road Location

Geographic Location Latitude 31° 21' 29.0" Longitude 116° 12' 16.4" Altitude 2.1
GPS Map Sheet

Photograph Name 1/6 Number

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

2. SITE DATA Circle the correct response

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

Surface Soil sand (2cm) Depth to Rock over sandy clay pink grey Colour brown

Exposed Rock type % surface cover size range

Litter / % surface cover Depth (cm)

Bare Ground % surface cover

H₂O to 20cm

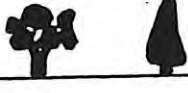
Adapted from 'Bushland Plant Survey' written by B. Keighery (1994) and published by Wildflower Society of WA (Inc). PO Box 64 Nedlands WA 6008

AMG
424347
6530429

No
Soil
SAMPLE
Soil collected
18/11/98

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 (see below)					
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 (%)					
DOMINANT SPECIES					
SHRUBS				SHRUBS	
over 2m		2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10%				
DOMINANT SPECIES	Mel. vine				
GRASSES		HERBS	SEDGES	over 0.5m	
LIFE FORM					
COVER CLASS (%)			10-30%		
DOMINANT SPECIES			Chor. nodos Eleo. Kargeryi		

4. VEGETATION CONDITION

Comments

Track through Site v. occ. use

Full of water 28/10/99

31 21.484

116 12.274

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 TB 20

Record on Sheet

Date 16/9/98

12/10/98

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

201

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
				12/10/98				Romulea rosea ✓			
				Trichanthos sp2 longipetala (VSP)				12/11/98			
				Stylidium longitubum/petiolosum				Isotoma repens ✓			
				Colandia filifolia				Amphibromus pectinatus ✓			
				Phytolacca pycnantha				Gordonia unguiculata ✓			
				Centropogon viridis				Glossostemma diandra ✓			
				Crucian petiolosum				Centropogon chlorus ✓			
MALLEES				Ammodendron odontocarpus				Utricularia ? inaequalis (cultura)			
				GRASSES Small Centropogon				Silene ? holosericea			
				Centropogon chlorus							
				Gordonia sp. micrantha							
				San Scleranthus sp2							
SHRUBS				Isotoma sp. Carsonii				SEDGES			
Met. viminea (VSP)				Gnaphalium sp. ? tridentatum				Eloochia : longipetala ✓			
Hakea varia ✓				ADJ Persicaria latifolia				Charizandra nodosa ✓			
				Brassia tylophora				Leptocarpus ? scariosus			
8/11/98				Isotoma sp.				Meibomia crangulata ✓			
Isotoma stellata ✓				HERBS							
Isotoma lutea				Polypodium multi ✓				12/10/98			
Stylidium chloranthum ✓				Trichanthos sp.				Hydrocotyle alba ✓			
Stylidium oblongum ✓				Stylidium oblongum ✓				Argemone / Antennaria Sileneus multi ✓			
Acrocladia filiformis ✓				Hydrocotyle tenuifolia (VSP)				green herb			
Little red Calceolaria				Prasium glanduligerum				Glossostigma diandra ✓			
Sand mite				Isotoma hypoleuca				Trifolium sp.			
Isotoma pumila				* Isotoma glabra				Stylidium ? minutum			
Myrsine sp. pendulata				Cham. canyumba				Hydrocotyle sp2 alluaudi ✓			
Gordonia sp.				Villarsia capitata				Stylidium large mint type ob tush (VSP)			
Brigalia drummondii				Taighlochia lineare				Monophris simplex			
				Caesia							
				Gretiola peruviana							
				Cyperus / Pennellus							

ADJ Eragrostis pendulifera ✓ (VSP)

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA _____ SITE NUMBER 7821

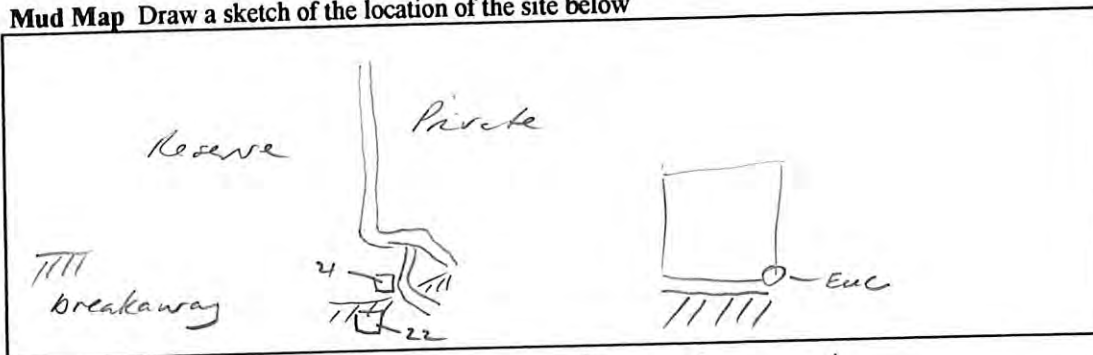
DATE TRIP 17/9/98 RECORDERS CKK, BJK, NG

DATE TRIP 27-10-99 RECORDERS AW/ GK/NG

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location Forrest road

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

Photograph	Name	Number
	<u>NG</u>	<u>20</u>

Topographic Position (Circle the correct response)

<u>Upland</u> <u>Massive laterite</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 <u>flat</u> ~~gentle~~ ~~steep~~	Aspect <u>N</u> ~~NE~~ ~~E~~ ~~SE~~ ~~S~~ ~~SW~~ ~~W~~ ~~NW~~
Surface Soil <u>Gravelly</u> <u>Clay loam</u>	Depth to Rock _____ Colour <u>brown</u>
Exposed Rock type <u>80</u> % surface cover <u>laterite</u>	size range <u>1-10cm</u>
Litter <u>10</u> % surface cover	Depth (cm) <u>1 leaf</u>
Bare Ground <u>1</u> % 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

massive laterite with soil pockets

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 (see below)					
Cover Class		2-10%	10-30%	30-70%	over 70%
TREES			MALLEES		
over 15m		5-15m	under 5m	over 8m	under 8m
LIFE FORM			20 x 20m Scattered ie as below  		
COVER CLASS (%)			< 2%		
DOMINANT SPECIES			Euc, acacia		
SHRUBS			SHRUBS		
over 2m		2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM	 		on edge breakaway 		
COVER CLASS (%)			scattered	770%	2-10%
DOMINANT SPECIES			Begonia tech	Mel. leucobrom	Dry riv ssp riv
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM	 	 	  	  	
COVER CLASS (%)		2-10			
DOMINANT SPECIES		Mixed			

4. VEGETATION CONDITION

Comments

Excellent - Pristine

Dryandra some drought death

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No JB 21

Date 17/9/58

27-10-1999

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

				Column 4	Identification	check					
TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Eucalyptus accedens</i>								<i>Elmtheranthus breuneri</i>			
								<i>Trachymene cuneata</i>			
								<i>Dioscorea longifolia</i>			
								<i>Podalheca angustifolia</i>			
								<i>Hypochaeris leucopsid</i>			
MALLEES											
				GRASSES							
<i>aspalanthoides</i> (USP)				<i>Neuradene olopec.</i>							
				* <i>Ara cany</i>							
SHRUBS				* <i>Vulpia myuros</i>							
<i>Mei st. strabo</i>				* <i>Briza media</i>							
<i>Begonia leschen.</i> (USP)				<i>Stipa maccipitxi</i>				SEDGES <i>australis</i> (USP)			
<i>Dryandra nivea ssp. nivea</i> (USP)				<i>Stipa sphumipazon</i> (USP)				<i>Gahnia consistophylla</i>			
<i>Gastrolob. frutescens</i> (USP)								<i>Mopid. tenuis leptostachyum</i>			
<i>Oncocalina vigin</i>								<i>Schoenus natus</i>			
<i>Isopogon dubius</i>											
<i>X Dampiera</i> (lavandulae) 27/10				HERBS							
<i>Hibbertia aurea</i>				<i>Orosera pallida</i>							
<i>Uromyces sericea</i>				<i>Mitrasacme paratoka</i>							
<i>Gastrolob. spinosum</i>				<i>Milloha tenuiflora</i>							
<i>Hakea incompressa</i>				<i>Levenhookia pusilla</i>							
<i>Cryptandra sp</i>				<i>Rhodentre laevis</i>							
<i>Conosperma volubilis</i> (USP)				<i>Trachymene pilosa</i>							
				<i>Androschyle sp (small) argentea</i>							
				* <i>Hypochaeris glabra</i>							
				* <i>Arctotheca calendula</i>							
				<i>Chamascilla vesiculosa</i>							
				<i>Anthropodium capilipes</i>							
				<i>Pterostylis villosa</i>							
				<i>Crocodyla pedicellata</i>							

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA JB SITE NUMBER JB 22
 DATE TRIP 17/9/98 RECORDERS NG/GK/BK
 DATE TRIP 27-10-1999 RECORDERS AW/NG/GK
 DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

*See other sheet
JB 21*

Road Location

Forrest Road.

Geographic Location Latitude 31° 29' 62.8" S Longitude 116° 34' 58.8" E Altitude 31° 29' 37.7"
 GPS Accuracy 3.2
 Map Sheet 116° 34' 35.3"

Photograph Name NG Number 21

Topographic Position (Circle the correct response)
 Upland _____ Lower slope _____
 Upper slope Breakaway 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 brown clay-loam Depth to Rock 0-10 Colour 1cm - 1m

Exposed Rock laterite type 50 % surface cover size range 1-10cm

Litter 90 % surface cover Depth (cm) 1cm

Bare Ground 2 % surface cover

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

3. VEGETATION STRUCTURE AND COVER

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

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

TREES				MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM		20 x 20m as below Scattered Wendoo 	 		
COVER CLASS (%)		30-70%			
DOMINANT SPECIES		<i>Euc. astrig.</i>			
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM	 		Scattered 		
COVER CLASS (%)					
DOMINANT SPECIES			<i>Dav. acantha</i> <i>Gast. bricusp</i>		
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)					
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments

Excellent to Pasture
but evidence logging in greater area
(~ 30yrs ago)

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 JB 22

Record on Sheet

- Column 1 plant name

• Column 2 plant number

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

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

Date 17/5/98

27-10-1999

• Column 4 Identification check											
TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
<i>Euc. astrigens</i> ✓								27-10-1999			
								X			
								X			
								X			

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA JB SITE NUMBER 23

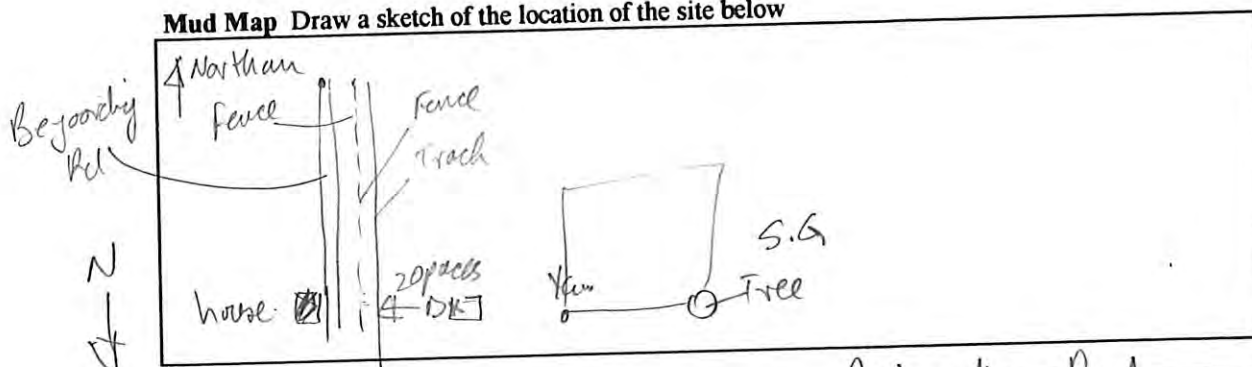
DATE TRIP 17/9/1998 RECORDERS GK/NG/BK

DATE TRIP 27-10-99 RECORDERS AW/NG/GK

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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



Road Location

Beyoonding Road.

Geographic Location Latitude 31° 29' 32.8" Longitude 116° 35' 35.3" Altitude 461359
GPS Accuracy 1.9
Map Sheet

Photograph Name NG Number 22

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 clay-loam **Depth to Rock** 30/70cm **Colour** red-brown

Exposed Rock type 0 % surface cover size range

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

Bare Ground % surface cover 10/30

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

AMG
461359
6515738

gamb

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 (%)	2/10				
DOMINANT SPECIES	<i>Euc. salm.</i> <i>Euc. loxoph.</i>				

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM	 				
COVER CLASS (%)				2	30/50
DOMINANT SPECIES				<i>Rhagodia drum.</i>	<i>Ac. crinacea</i>

GRASSES		HERBS		SEDGES		SEDGES	
				over 0.5m		under 0.5m	
LIFE FORM	 	  		  		  	
COVER CLASS (%)	2/10	22					
DOMINANT SPECIES	<i>Stipa eleg.</i>						

4. VEGETATION CONDITION

Comments

very good
disturbed by old roads (edges)
logging ca 40 yrs ago.

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	Record on Sheet	Column 1	plant name
5B 23			

Date 17-9-1998

27-10-99 • Column 3 flowering time- TICK if species flowering

SITE No	Record on Sheet	Column 1	plant name
5B 23			

- | | | | | |
|---------|-----------|-----------------|------------|---|
| SITE No | 5B 23 | Record on Sheet | • Column 1 | plant name |
| Date | 17-9-1998 | | • Column 2 | plant number |
| | 27-10-99 | | • Column 3 | flowering time- TICK if species flowering |
| | | | • Column 4 | identification check |

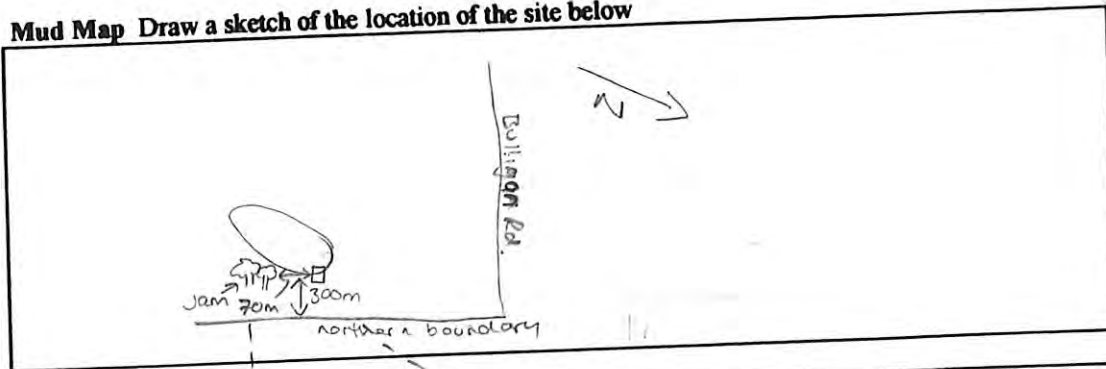
TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
Euc salmon.								27-10-99			
Euc oxophleb.								X Stipa trichophylla			
								X Danthonia			
								X Eremophila decipiens			
								X Acacia mearnsii (JSP)			
MALLEES								Ptilotus dw dw (JSP) 27/10			
				GRASSES							
				Stipa elegantissima							
				? Stipa (small tufted)							
SHRUBS											
Acacia encarea											
Rhagodia dracoma weissii weissii (JSP)								SEDGES			
Atriplex sparta semibaccata											
Sarcobatus Endoglossa foveolata											
Acacia ? baileyi manallii 27/10											
				HERBS							
				Lepidium rotundum (JSP)							
				Anthriscus timbuctu (JSP)							

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA JB SITE NUMBER JB 26
 DATE TRIP 12/10/98 RECORDERS NG / MC
 DATE TRIP 18-11-99 RECORDERS NG / GK / AW
 DATE TRIP 27-10-99 RECORDERS JS

1. LOCATION of the QUADRAT

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



Road Location Drummond Nature Reserve

Geographic Location Latitude 31° 18' 50.0" S Longitude 116° 24' 33.2" E Altitude
 GPS Accuracy 3.6
 Map Sheet

Photograph Name NA 27 Number

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

2. SITE DATA Circle the correct response

Slope flat gentle steep Aspect N NE E SE S SW W NW
 Surface Soil sandy clay to 2cm Depth to Rock Colour
over grey clay.
 Exposed Rock type — % surface cover size range
 Litter — % surface cover Depth (cm)
 Bare Ground % surface cover underwater

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

water to 10cm covers 90% of plot at 12/10/98

AMG
 443786
 6535448

No soil
 samples
 18/11/98

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

3. VEGETATION STRUCTURE AND COVER

3. VEGETATION STRUCTURE AND COVER

TREES						MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m		
LIFE FORM						30m	10m
COVER CLASS (%)							
DOMINANT SPECIES							
							SHRUBS
	SHRUBS over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)				30-70%			
DOMINANT SPECIES				Melaleuca lateralis			
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)		30-70%	30-70%				
DOMINANT SPECIES		Tribenanthus spp. Velasia capitata	Sphenos nodans Corisandra ovoides Elleocarum leigheryii				

4. VEGETATION CONDITION 2

Comments

Wetland in very good condition. However the surrounding Jarra Jarra woodland is weedy and very open. Probably long grazing history. Site may become more weedy as wetland dries out.

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

5. SPECIES PRESCENCE

SITE No JB 26

Date 12/10/98

Record on Sheet

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

[illegible]

Centrobatis *viridis* 12/10
Centrobatis *polyzona* "

collected Prasophyllum sp. ovale outside plot (JSP)

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA BASHFORDS SITE NUMBER 01

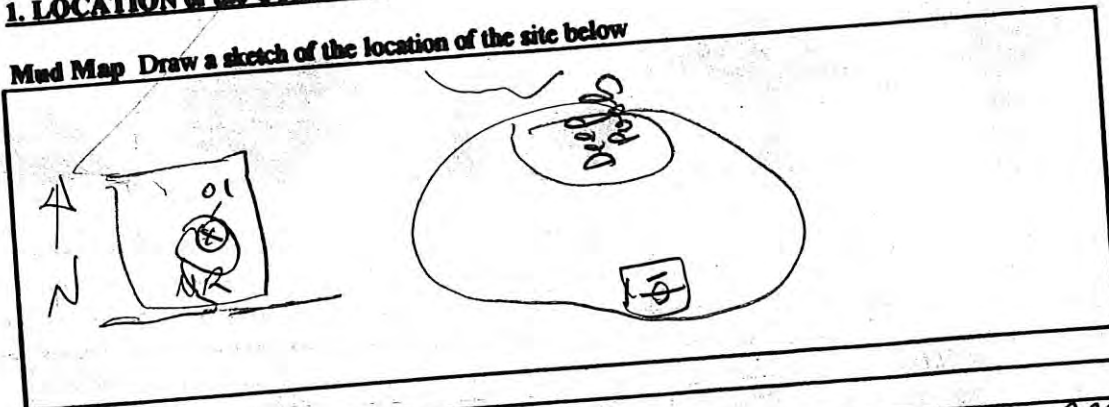
DATE TRIP 5-10-2001 RECORDERS GK/NG/AW

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

30 53 26.4

115 23 07.4 P00P 3.3

Geographic Location

Latitude
GPS
Map Sheet

S Longitude
Accuracy

E Altitude

AMG
345674
6581386

Photograph

GK

Name

Number

24

(Circle the correct response)

Topographic Position

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

clay

Depth to Rock

Colour grey

Exposed Rock

type

0

% surface cover

size range

Litter

10/20

% surface cover

2/5

Depth (cm)

Bare Ground

30

% 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

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

2. VEGETATION STRUCTURE AND COVER

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

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

TREES					MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m	
LIFE FORM			 			30m 10m
COVER CLASS (%)	2/10					
DOMINANT SPECIES	<i>E. rudis</i>					

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

GRASSES		HERBS		SEDGES		
	over 0.5m			over 0.5m	under 0.5m	
LIFE FORM	 	   	  	  		1m
COVER CLASS (%)		30/50	30/70			
DOMINANT SPECIES		<i>Vill. capit</i>	<i>choriz enodis</i>			

4. VEGETATION CONDITION

Comments

very good - excellent
grozed

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

[J828]

BUSHLAND AREA BASHFORDS SITE NUMBER 02

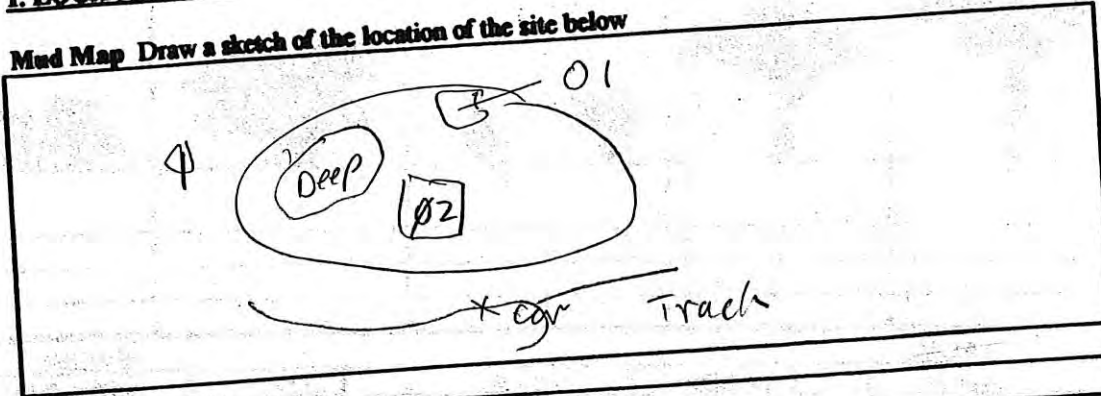
DATE TRIP _____ RECORDERS _____

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 30 53 28.3 115 23 07.3 PDP 2.9

Geographic Location Latitude 30 53 28.3 S Longitude 115 23 07.3 E Altitude 345672
GPS Accuracy 6581328
Map Sheet

Photograph Name 912 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 clay Depth to Rock > 1 m Colour grey

Exposed Rock type 0 % surface cover _____ size range _____

Litter 0 % surface cover _____ Depth (cm) _____

Bare Ground 20 % surface cover (shallow water)

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

3. VEGETATION STRUCTURE AND COVER

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 (%)					
DOMINANT SPECIES					

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 (%)		10/30			30/20
DOMINANT SPECIES		villars csp			choriz enodis

4. VEGETATION CONDITION

Comments

very 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 RASHFORDS 02

Record on Sheet

Date 3-10-2001

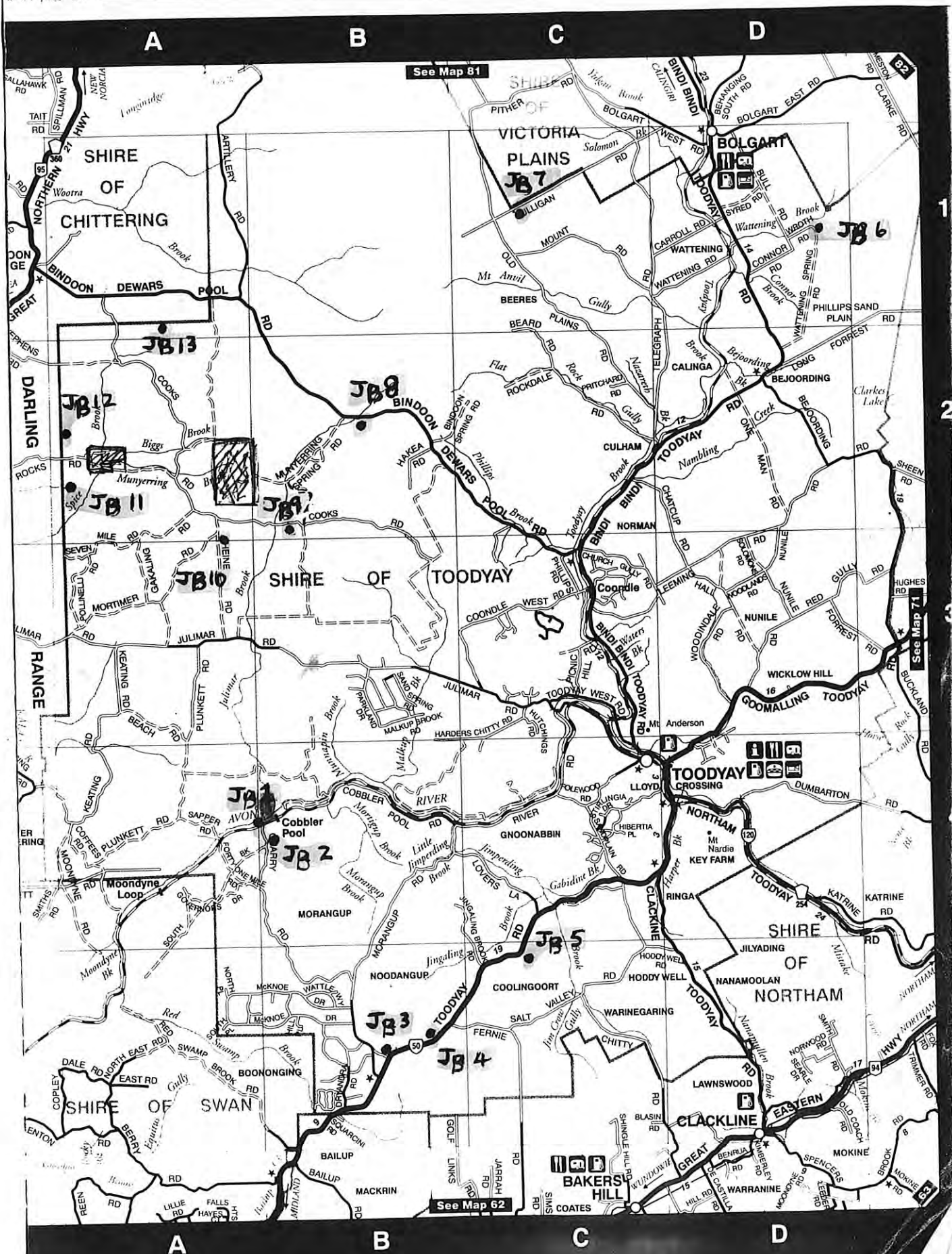
- Column 1 plant name
- Column 2 plant number
- Column 3 flowering time- TICK if species flowering
- Column 4 identification check

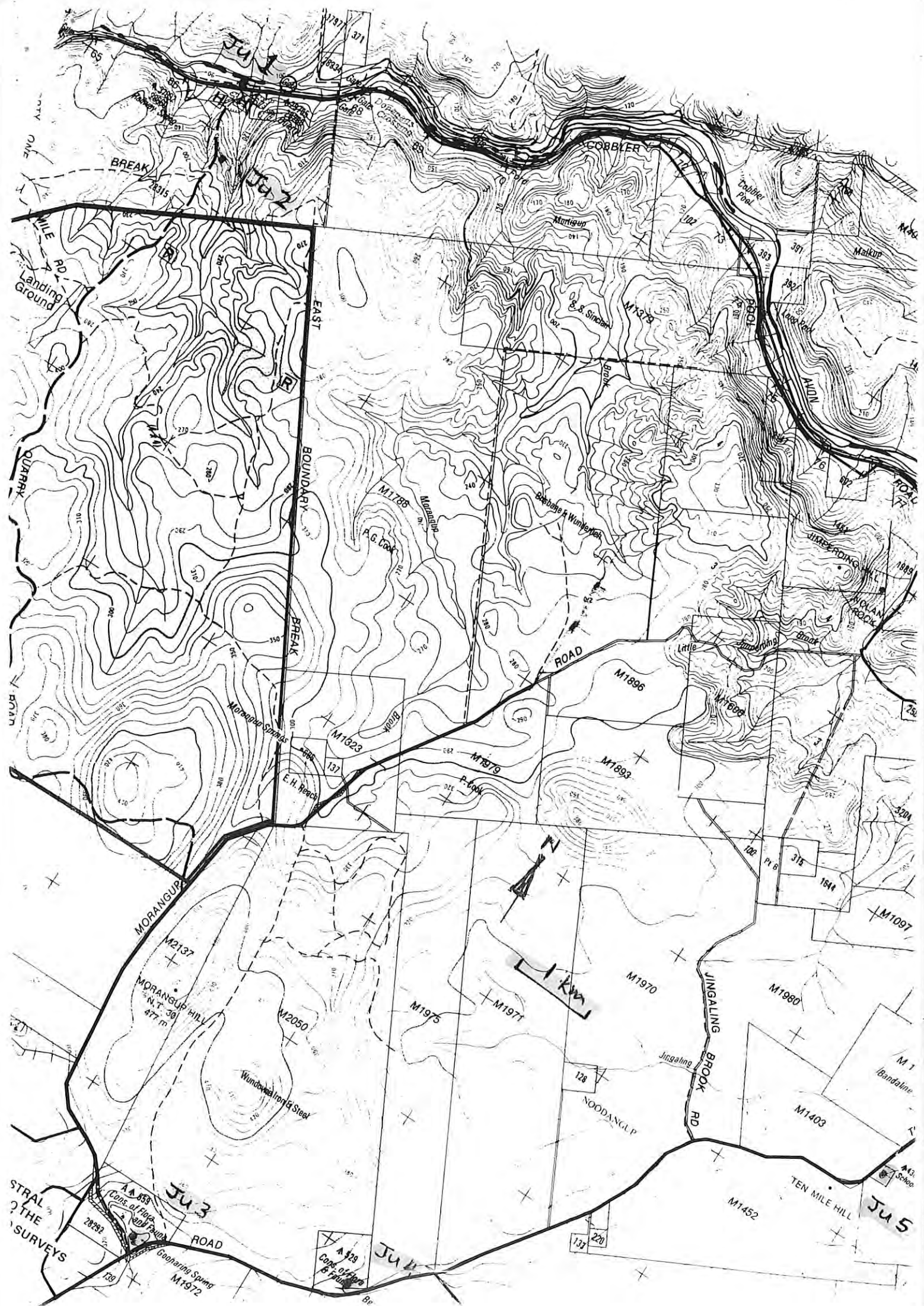
E. radis

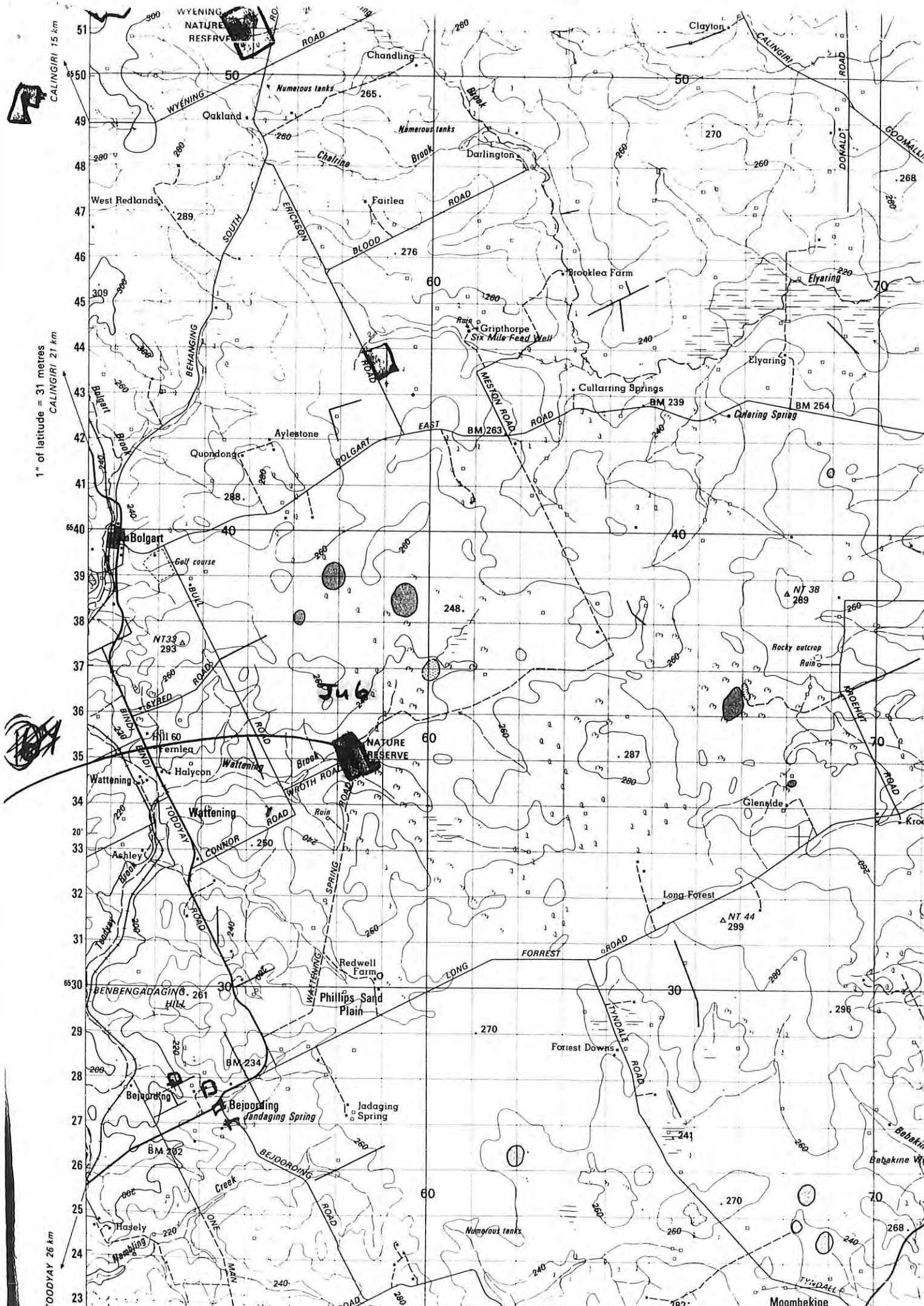
• Column 4 Identification check											
TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
								Cotula bipinnata			
								Cicindea filif			
								stylid innund			
								tu ecome			
								lythrum hyssop			
								Ranunc pumilio			
MALLEES								Crassula natans			
								Eryngium			
				GRASSES				Thelymitra			
				Briza max				Bulbine semibar			
				Bromus				Glossostigma drumm			
SHRUBS				Amphibromus neesii				Ityroschares glabra			
				Briza minor				SEDGES			
				U Vulpia myuros				Chorizandra enodis			
				Lolium				Eleocharis acuta			
				Agrostis pleibea				" keighryi			
				Airo cupaniana							
				HERBS							
				Villarsia capitata							
				Lotus angust							
				Uromyza dioic							
				Microtis orbicularis							
				Diuris							
				Myriocephalus (white)							
				" soeles							
				Myriophyllum							
				Utricularia							
				Anagallis arvens							

For all road condition reports ring Main Roads information line on **1800 133 314**

For more details see the StreetSmart Avon Valley touring map.



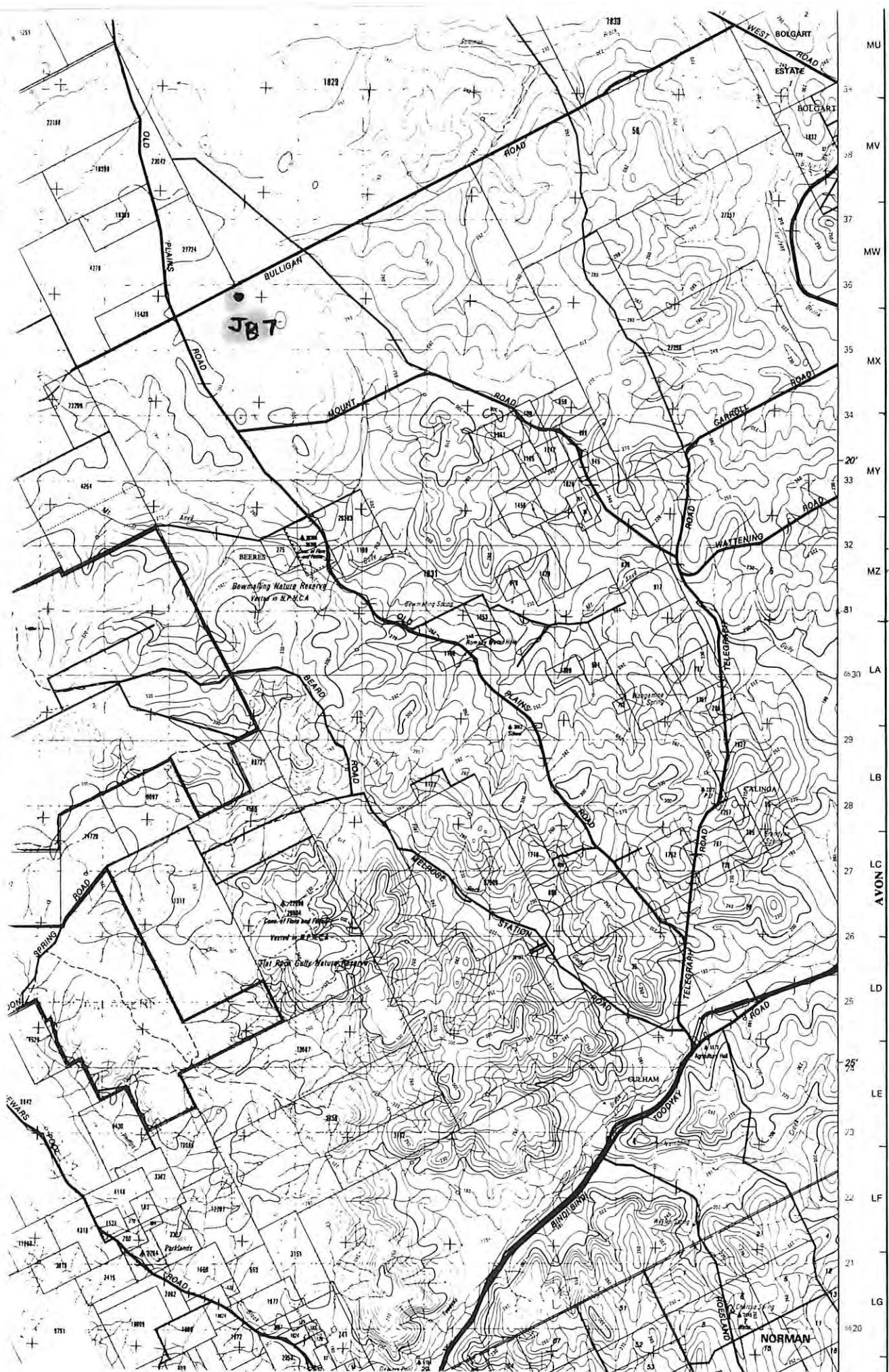


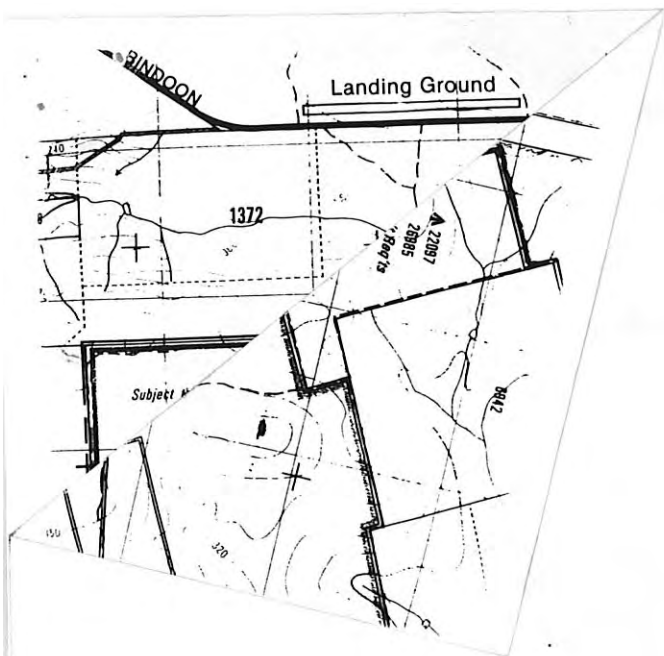


1" of latitude = 31 metres
CALINGIRI 21 km

TODDYAY 26 km







Tulimar Cell

(13) Avon (A) surface N end of Quarry Rd
Avon Valley NP

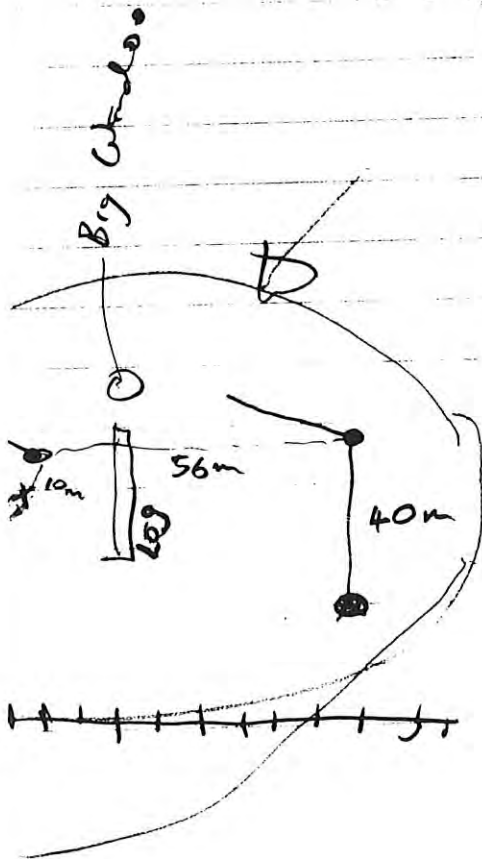
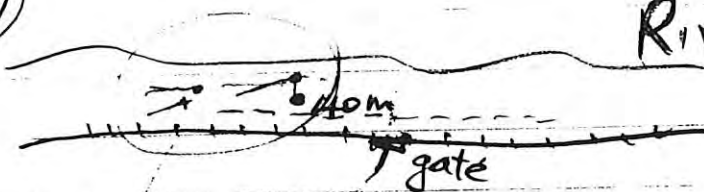
Tam Woodland
emergent E. Rudis +
scattered patches of Lepidosperma

31° 34' 46.5" S
116° 15' 47.8" E
+DDP 3.0



River

JB 1



AMG

430096

6505915

JULIMAR SURVEY AREA

(14)

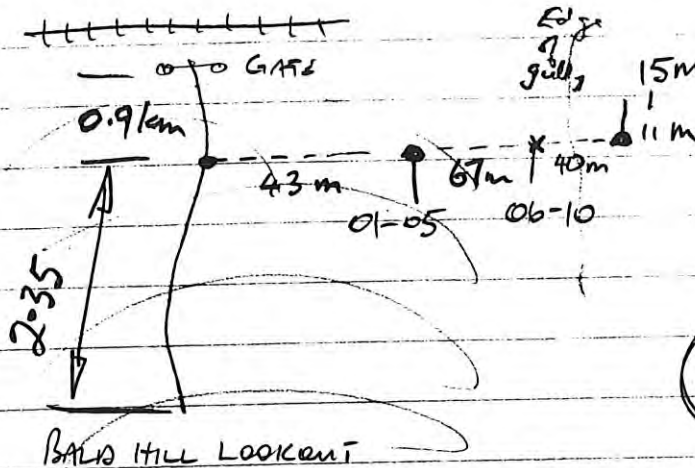
Mg Melobellus

On Quarry Rd

Granite

0.9 km S of railway line gate on Quarry Rd
1.5 km N of Bald Hill Lookout

Allocasuarina - Jam low open forest among granite outcrops



31° 35' 13.4" S
116° 15' 56.8" E
Pop 3.2

JB 2

01M-15M

21/8/98

2 Frogs

R. 130176

W. minic.

R 130177

1 Pogona minor (released)

AMG

430339

6505089

(11) JULIMAR SIKUEY ARETI

Balkuling (B)

Wandoo / Box person
Pinkish clay slope

$31^{\circ} 38' 10.0''$ S
 $116^{\circ} 25' 56.2''$ E

Pop = 2.1

$31^{\circ} 38' 09''$ S
 $116^{\circ} 23' 53''$ E

±100m

AMG

436005

6494404

JB 5

61L-75L

10 mile hill

School site

↑430 Reserve

9 km W of

Toodyay to

Clockline

Turn-off
along the

Toodyay Rd

Left

P70
marker

70-66 125m

20/10/61-65

71-75L

fix incorrect

AMG from map.

442800

6499600

(12) SWAMP (S)

$31^{\circ} 41' 01.6''$ S

$116^{\circ} 19' 29.3''$ E

Pop = 2.6

Melaleuca raphiophylla

Eucalyptus rudis

Black lag / sedges + leaf litter

Goonarving Springs Reserve

↑659

4 km SE of Avon Valley NP

Morayang Rd

↑N

Toodyay Rd

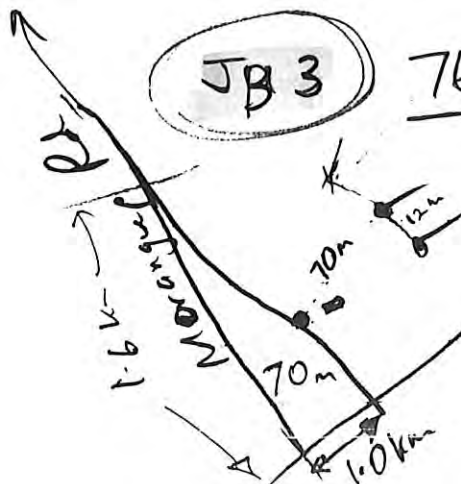
↑659

2.6km

3.6km

JB 3

76L-90L



(13) Swamp (S)

(salt affected)
Eriodictyon raphioph.
(dead) over sedge

$31^{\circ} 40' 34.5''$ E

$116^{\circ} 21' 01.1''$ S

KPop 1.9

JB 4

AMG

438417

6495253



16

WORTH Rd Nature Reserve ↑2393
7 km SE of BOLGART

YORK (Y)

York Gam + Jam

sedge, + native grasses
Agrostis + *Panthona* grasses

V. good condition

$31^{\circ} 19' 15.8''$ S

$116^{\circ} 33' 38.4''$ E

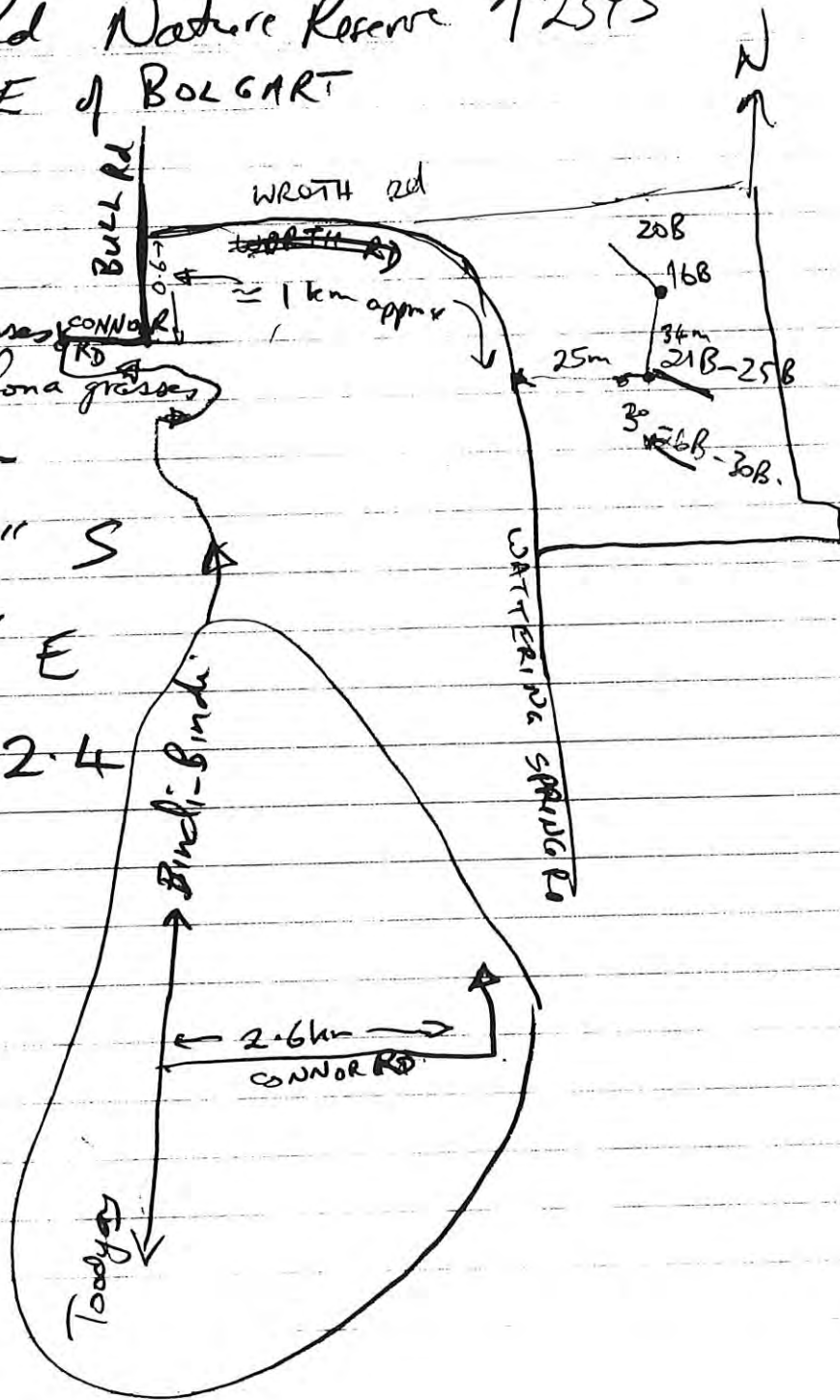
HDDP = 2.4

JB 6

AMG

458199

6534721



Drummond Nature Reserve ↑ 42808
10 k W. of Belgart

31° 18' 36.8" S
116° 23' 59.2" E
H Dop 2.4

JB 7

AMG
442885
6535849

M
 B monzezi
 Bete
 Murr
 Adenanthal
 Bg
 Bollen
 B. pri...

18

Mo (Mortlock)

Julimar Conservation Park (NE part)

Flat Valley Floor

Wandoo OW

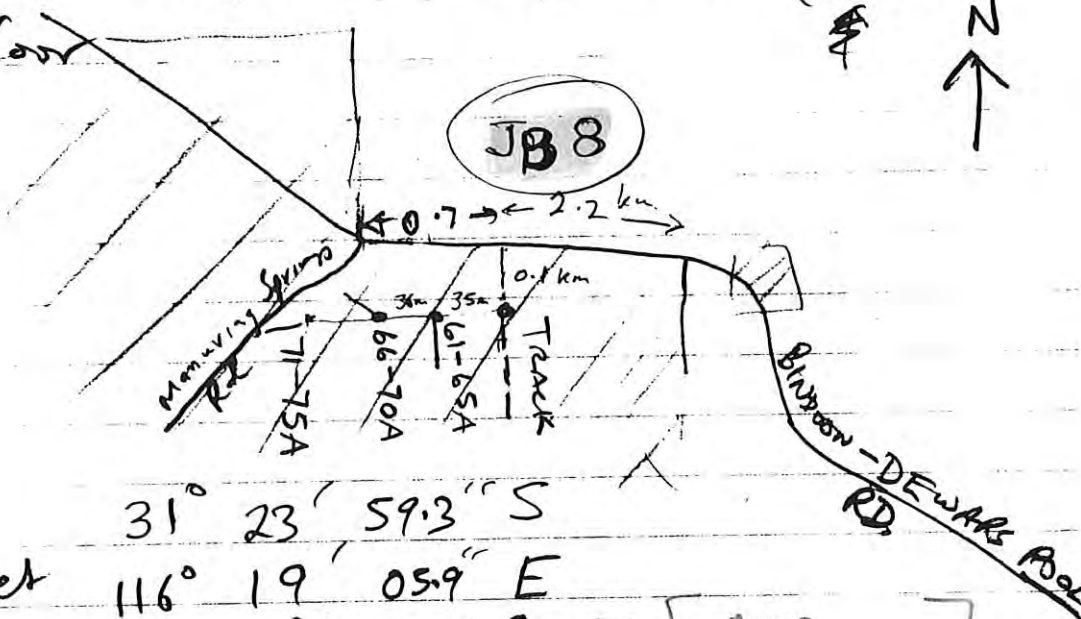
Blackboys

Termite Mounds

Harperias

Borhu

Daveslas



$31^{\circ} 23' 59.3'' S$

$116^{\circ} 19' 05.9'' E$

$P_{dop} = 1.9$

AMG

435193

6525875

Not salt affected yet

6

Julimar Conservation Park (Northern edge)

Old Yellow Sand

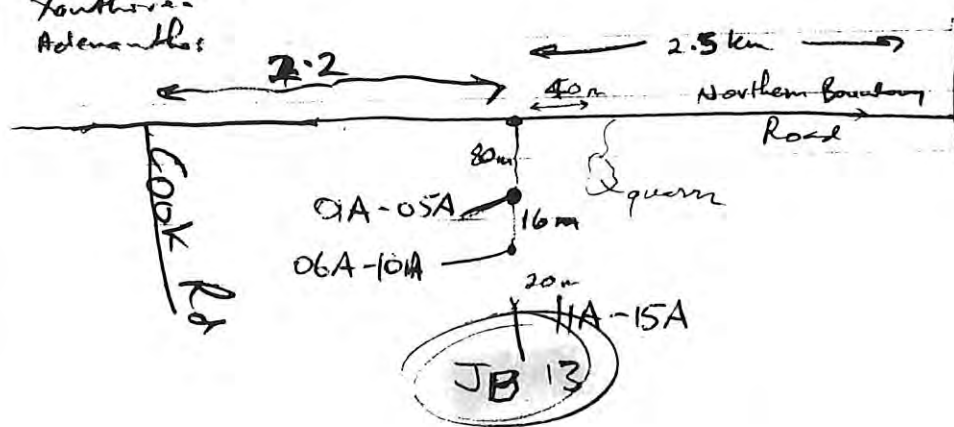
2.5 k W along Northern

Boundary Rd from Hewitt Rd Intersection

Red Gum

Xanthorrhoea

Adenanthos



$31^{\circ} 21' 20.7'' S$

$116^{\circ} 13' 04.3'' E$

$P_{dop} = 1.8$

AMG

425610

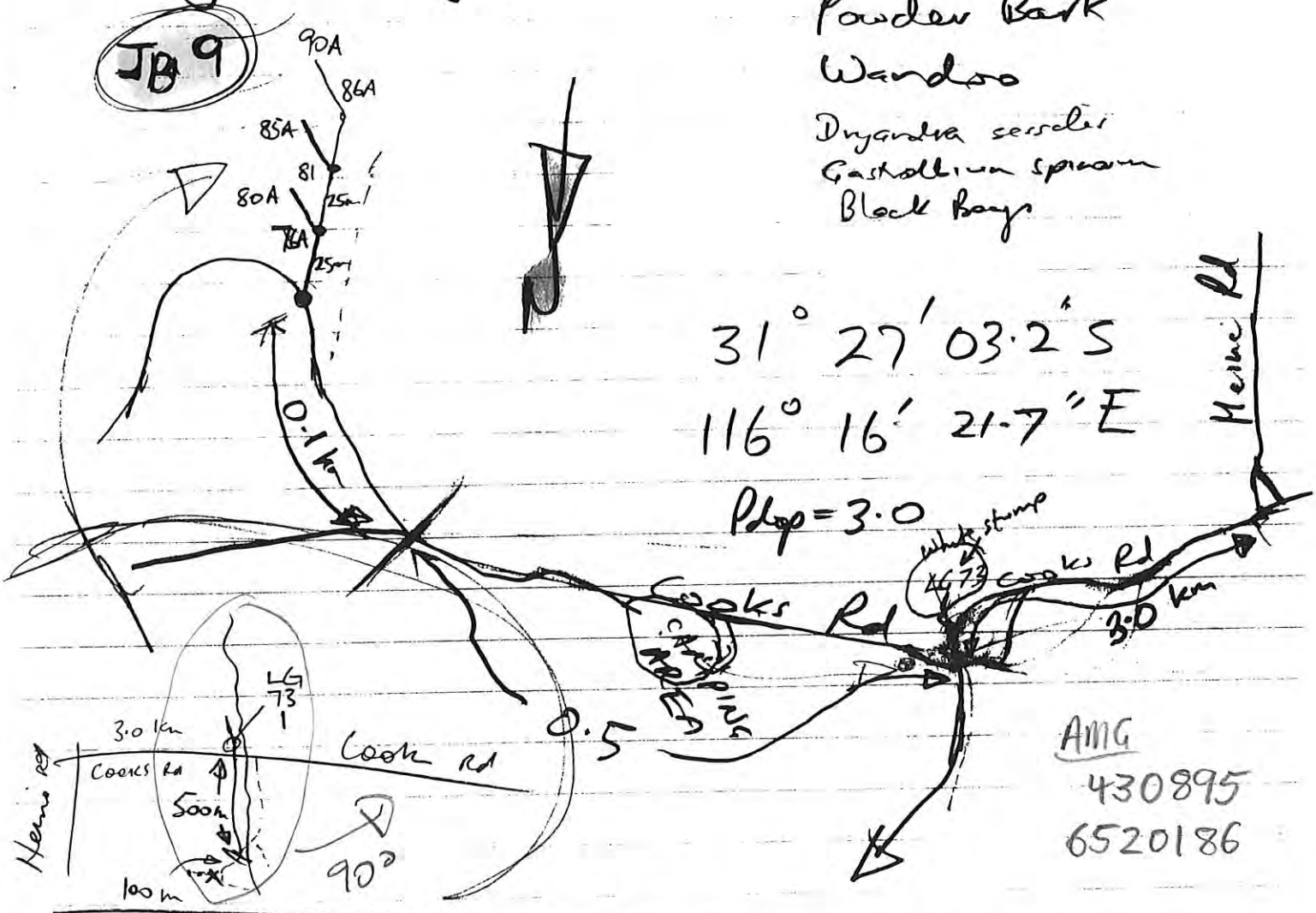
6530695

② Bg belmaring

Tulman Conservator Park
(Central part)

Powder Bark
Wandoo

Dryandra serotina
Gastrolium spicatum
Black Bay



① de

Tulman Conservator Park
(Central part)

Tarrah
Dryandra serotina
Banksia grandis

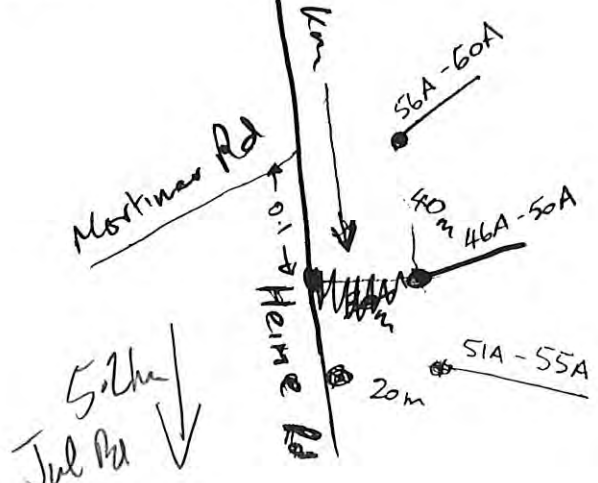
31° 27' 02.6" S

116° 14' 41.7" E

HDsp = 3.0

AMG
428255
6520186

JB 10

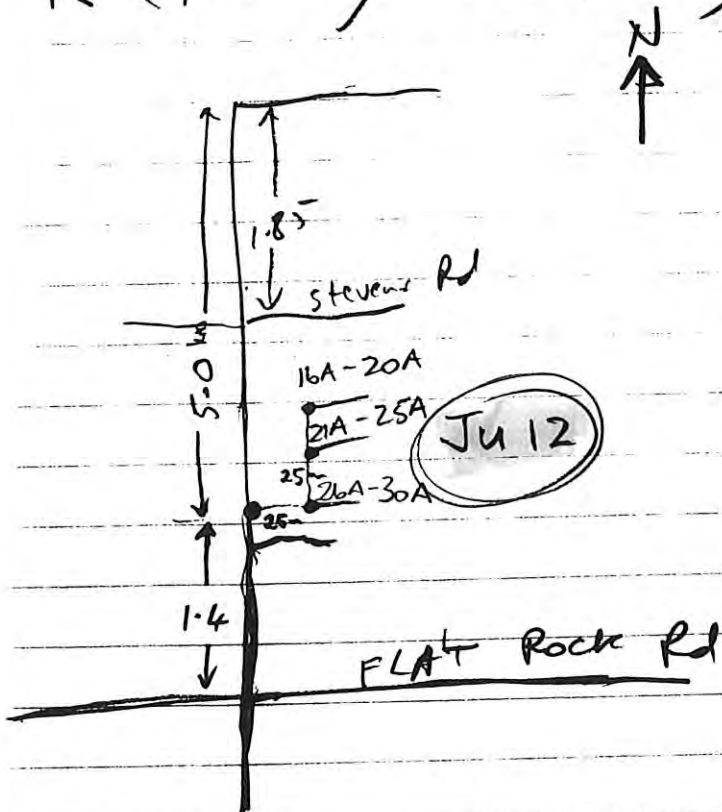


(5)

Tulimar Conservation Park (Western Side)

K (Kauring Sandplain)

Tarrah
Red Gum
Hibbertia
Dryandra sessilis
Xanthorrhoea



$31^{\circ} 24' 05.6''$ S
 $116^{\circ} 09' 48.6''$ E

Pdrop = 3.0

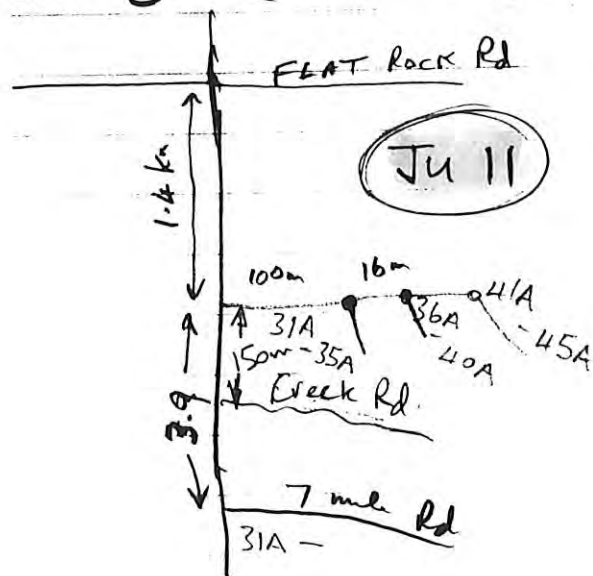
AMG

420478

6525580

Western side of Tulimar Conservation Park 1.4 km S of FLAT Rock Rd

(3) B (Balkuting) - Salt Affected
Wandoo/mud



$31^{\circ} 25' 33.9''$ S
 $116^{\circ} 09' 55.4''$ E
Pdrop = 2.1

AMG

420678

6522862