

TR01

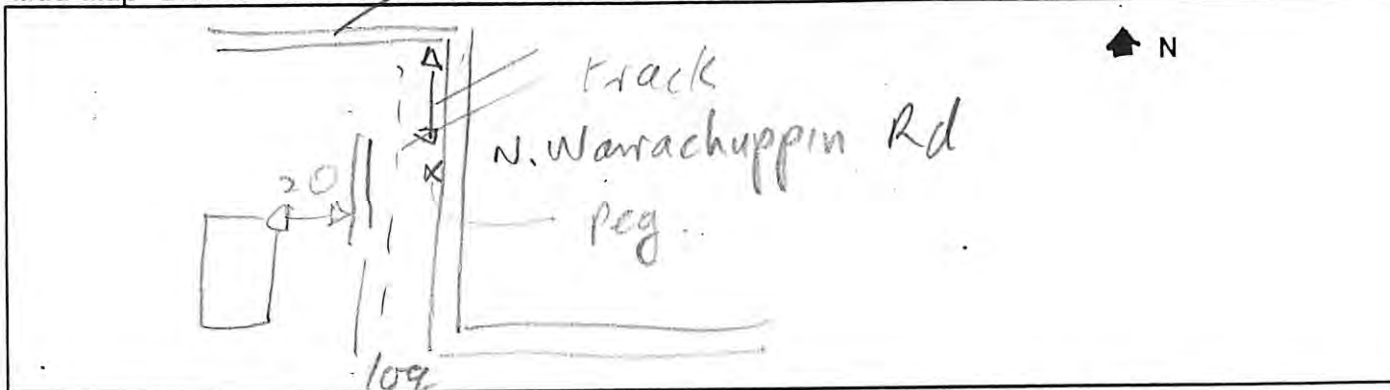
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA CHID SITE NUMBER Ø2
 DATE TRIP 20/4/1999 RECORDERS AW/NG/GK
 DATE TRIP 25/8/99 RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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



Road Location

N Warachuppin Rd

Geographic Location Latitude 30 54.43.5 S Longitude 118 42.21.2 E Altitude 202

Reference Map

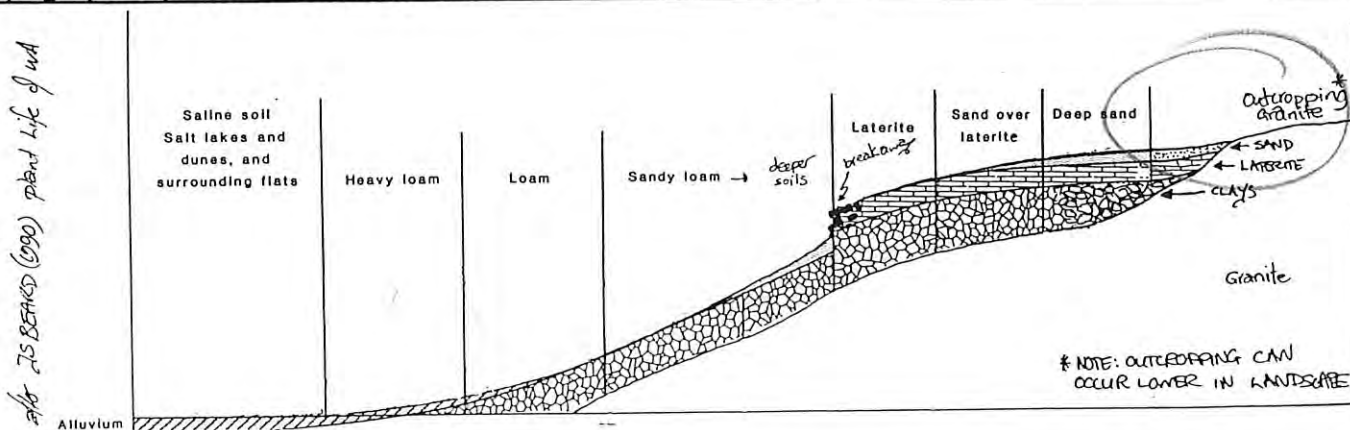
Photograph

Photographer's Name

NG

Photo No

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



2. SITE DATA Circle the correct response.

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

Surface Soil loam Colour red-brown
 Exposed rock type _____ % surface _____

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

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

Litter logs logs logs logs logs % cover 10/30 Bare Ground 30/50 %cover
 Depth 2 20 cm

excellent

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

25-8-99

subangula ssp cerina

grey lvs, white fls

stocking grey linc

4m small bay uppe

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
EUC Salmophl.								Arctotheca splendula	25/8		
EUC Ioxo phleb								Ptilotus spathulata	"		
EUC shrankiana (smth, grey, malle, sm)								Calandrinia sp. (no fruit)			
								Hypochaeris glabra			
								Glossula colorata			
								Podostemum graphaloides			
MALLEES								Rhodanthe marmenii			
								Rhodanthe laevis			
				GRASSES				Hyaloperma demissum			
				Stipa elegantiss				Hyaloperma glutinosum			
								Waltia acuminata			
SHRUBS				Pentastemon arvens	25/8			Scenecio gloss			
Olearia muelleri								Pterostylis			
Sant. spicat								SEDGES			
Cassia nemophila											
Atriplex vesikaria											
P											
Maireana trichophylla				trichoptera							
Sclerolaena diaphanilla				HERBS							
Ptilotus obovatus											
Sclerolaena (, hairy)				Mesembryanth crystall							
Rhagodia drumm											
Kniphofia tom				Plantago cf hispidula							
Threkeldia diffusa											
				Hydrocotyle pilifera							
				Podolepis tepperi							
Maireana gergei	25/8			Rhodanthe pygmaea			(Sp)				
Acacia erinacea	"			"				Zacchaenus			
Tetragonia	"			Pterostylis mutica							
				Trifolium subterranean							
				Lobelia sp (red)							

2/8/99 ①
 City Beach Forest
 31 56 38 15 pages
 115 47 02 total
 Trapping Coll - Spring 99
 * 1st note book
 25/8/99

CHID 02

Asclepias cal

Ptilot spathul

// Calandrinia sp - no foot

Hypoch. glabra

Crassula color

Podostem. gnaph.

* Sant. spic

* Olearia muell 32

* Maireia trich

" georgei

* Cassia henryi

* Stipa eleg

Ac. ermen

eleg) * Stipa platyph

* Phrag. drum

* Olear. muellii

* Ac. ermen

* Sclerol. alac

Rhodanthe mery

Pentstemon alv

Rhod. laevis

Mesemb. n

Tetragonia

Hyalosperm. demiss

CHID ②

Crassula

Hydrocotyle

Podolepis Hepperi

Lyalosp. glutinos

Waitzia lacunum

Loebelia (sp. red)

Seneao gloss

Pterostylis

* Acaia eruae

* Philot. obou

~~CHID~~

33

~~Mitrom racem~~

* ~~Bakea scop~~

* ~~Callitris~~

* ~~Mel. une~~ - 2 forms

* ~~waitz acun~~

~~Blenn drumm~~

~~Rhod. laevis~~

* ~~Leucopogon~~

~~Baekl grand~~

~~Schperus namus~~

* ~~Halagaria (grey)~~

~~Hypoch. glabra~~

* ~~waitz lacunum~~

* ~~Grev. sp. red~~

* ~~Baebae (purple)~~

* ~~Rhebal megap~~

TR02

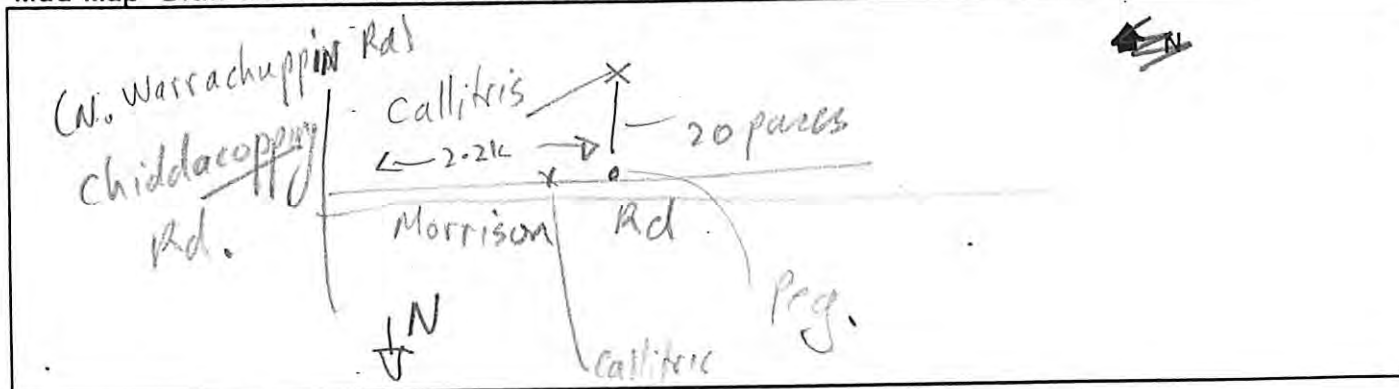
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA CHID SITE NUMBER 01
 DATE TRIP 20/4/1998 RECORDERS NG/AW/GK
 DATE TRIP 25/8/99 RECORDERS 20/20
 DATE TRIP _____ RECORDERS none
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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



Road Location

PDOP

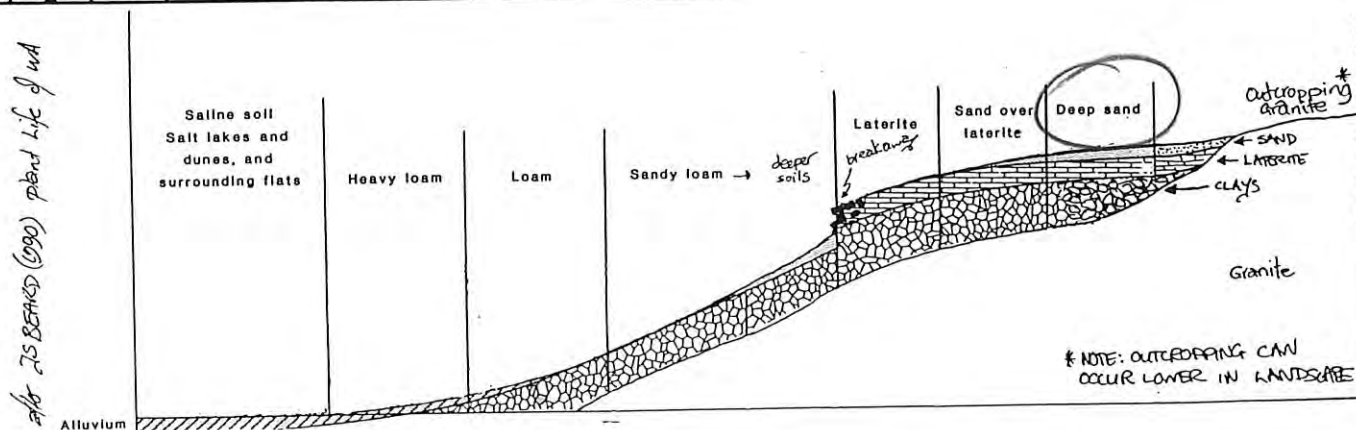
Geographic Location Latitude 30 53 20.2 S Longitude 118 40 56.1 E Altitude 2.7

Reference Map

Photograph

Photographer's Name NGPhoto No 9

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



2. SITE DATA Circle the correct response.

Slope	<u>flat</u>	gentle	steep	Aspect	N	NE	E	SE	S	SW	W	NW
Surface Soil	<u>NONE SAND</u>			Colour	<u>YELLOW</u>							
Exposed rock	type <u>NONE</u>			% surface								
Sub-surface Soil	<u>none</u>			Colour	<u>yellow</u>							
Rock	type <u>S</u>			depth to rock								
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet all year			winter/spring			
Litter + twigs	<u>10/30</u>			% cover	Bare Ground			%cover				
Depth	<u>2/5cm</u>			cm	<u>30/40</u>							

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

3. VEGETATION STRUCTURE AND COVER

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

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

	TREES			MALLEES	
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)			2/10		
DOMINANT SPECIES			<i>Callitris verucosa</i> (regrowing)		

	SHRUBS			SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	10/20			20/30	< 2
DOMINANT SPECIES	<i>Mel. uncinata</i> <i>Alloc. ericifolia</i> <i>Hakea</i>	<i>Thy</i>		<i>Thypt. aus</i> <i>Phoradendrum</i>	

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

4. VEGETATION CONDITION

Comments

burnt ca 20 yrs ago
excellent

20420

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**

[illegible]

- Melibion (sp. sterile by geylus & veins)
- ? holosericeus

Eugromyces mendenii -

ADD = Baer's sp. (VSP)

(HID 01)

(2)

~~Crassula~~

~~Hydrocotyle~~

~~Podolepis~~ ~~tepperi~~

~~Lyalosp.~~ ~~glutinos~~

~~Wartzia~~ ~~lacunum~~

~~Lobelia~~ ~~(sp. red)~~

~~Senecio~~ ~~gloss~~

~~Plecostylis~~

* ~~Acacia~~ ~~erinae~~

* ~~Plat.~~ ~~obov~~

Cit 01

33

~~Microm~~ ~~racem~~

* ~~Hakea~~ ~~scop~~

* ~~Callitris~~

* ~~Mel.~~ ~~unc~~ - 2 forms

* ~~Waltz~~ ~~acum~~

~~Blenn~~ ~~drum~~

~~Rhod.~~ ~~laevis~~

* ~~Leucopogon~~

~~Baeck~~ ~~grand~~ = ~~Euagrop~~ ~~leptost~~ ~~leptost~~

~~Schoenus~~ ~~nanus~~

* ~~Halgania~~ ~~(grey)~~

~~Hypoch.~~ ~~glabra~~

* ~~Waltz~~ ~~lacum~~

* ~~Grev~~ ~~parad~~

* ~~Baibea~~ ~~(purple)~~

* ~~Rhebal~~ ~~megap~~

CH 01

(3)

- * Amphip strict
- Alloe. caric
- Podoch. ang
- Thys pat

CH 03

- ~~Senecio gloss~~
- ~~Velleia cyanop~~
- ~~Thelym sp~~
- ~~Calandrinia~~

- * ~~Arthrop. erivipes~~
- * ~~Trachym. cyan~~
- ~~Crossula colorata~~

23/8/19

34

CH 04

- ~~Kawene daren~~
- * ~~Barya corst~~
- ~~Carlesp. citrat~~
- ~~Draca macraell~~
- * ~~Ast. serrat~~

- ~~Artropodum~~
- ~~Trachymene cyan~~
- ~~Micromyrtus racem~~
- ~~Hibbertia~~

- * ~~Stylid diels~~
- ~~Kobelia (red lvs)~~
- ~~Ursinia anth~~
- ~~Gonocarpus nodul~~
- ~~Blenospor drum~~
- ~~Caladenia saccoh~~

TR03

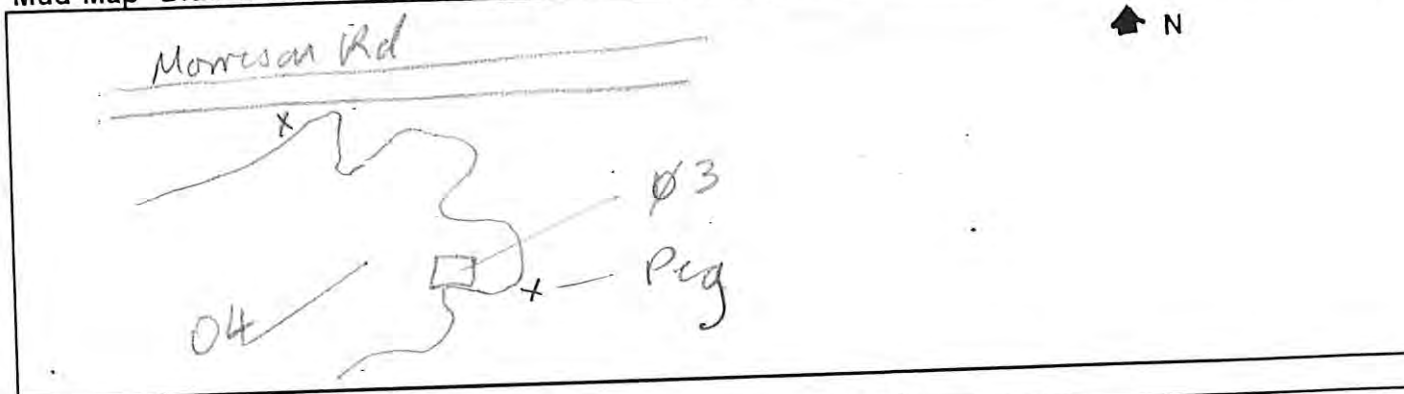
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA CHID SITE NUMBER 03
 DATE TRIP 21-4-1999 RECORDERS GK/NG/AW
 DATE TRIP 25/8/99 RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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



Road Location

MORRISON RD

Geographic Location Latitude 30 53 24.3 S Longitude 118 39 13 E Altitude 400m

Reference Map

POOP 2.1

Photograph

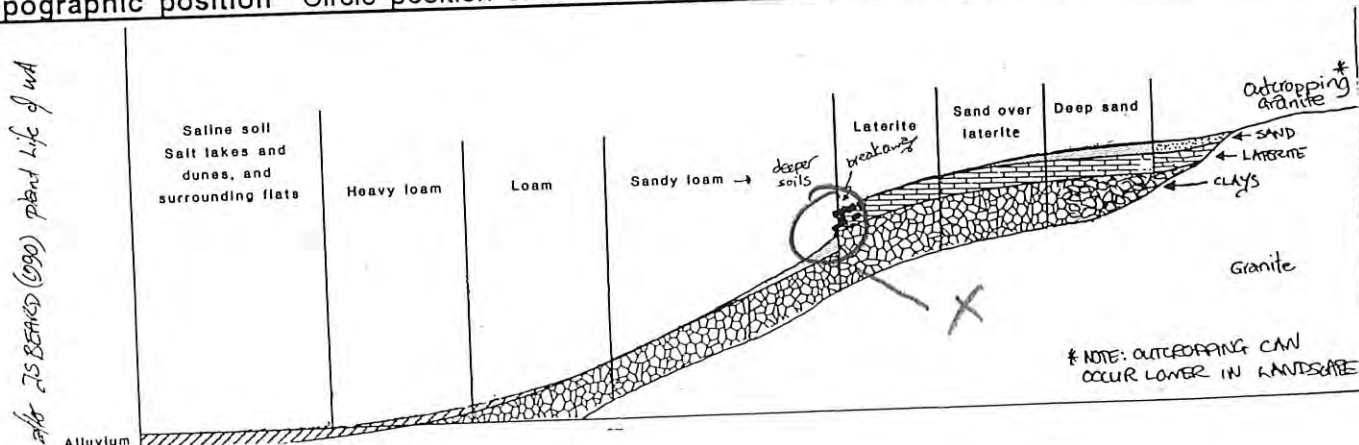
Photographer's Name

NG

Photo No

11

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



2. SITE DATA Circle the correct response.

Slope	flat	gentle	<u>steep</u>	Aspect	N	NE	E	SE	S	SW	<u>W</u>	NW
Surface Soil	type <u>clay</u>			Colour	<u>white</u>							
Exposed rock	type <u>laterite</u>			% surface	<u>50</u>							
Sub-surface Soil	type <u>clay</u>			Colour	<u>white</u>							
Rock	type _____			depth to rock	_____							
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet all year			winter/spring			
Litter logs, twigs, lvs	% cover <u>30</u>			Bare Ground	<u>30/50</u>			%cover				
Depth	<u>2-10</u> cm											

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					
COVER CLASS (%)	10/20				
DOMINANT SPECIES	<i>Euc capillosa</i>				
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	SHRUBS under 0.5m
LIFE FORM					
COVER CLASS (%)		<2			
DOMINANT SPECIES		<i>Eremophila</i>			
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	<2	<2			
DOMINANT SPECIES	<i>Stipa eleg</i>				

4. VEGETATION CONDITION

Comments

excellent

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No	C41D 03
Date	21-4-1990
	25-8-99

Record on Sheet

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

TREES				SHRUBS (cont.)				HERBS (cont.)			
No	FI	ID		No	FI	ID		No	FI	ID	
Euc	capillosa	/						Senecio	oblong	25/8	
								Vellozia	cyano-pet	1	
								Thelxiphoa	sp.	1	
								Calandrinia	sp.	11	
MALLEES											
				GRASSES							
				Avena				baibata			
SHRUBS											
Rhagodia								SEDGES			
drummond											
? Westringia											
Eremophila				HERBS							
drummond				Arthropodium				curvipes			
				Trachymene				cyanopetala			
				? Gypsophila							
Acacia				Cassula				colorata colorata			
as canbens											
25/8											

~~CH 01~~

(3)

- * ~~Amphip strict~~
- ~~Alloe carnic~~
- ~~Podothec Quag~~
- ~~Thys pat~~

~~CH 03~~

~~Senecio gloss~~
~~Velleia cycnop~~
~~Thelym sp~~

~~/Sawothd Calandromasp~~

- * ~~Arthrop curvipes~~
- * ~~Trachym cyan~~
- ~~Crossula colorata~~

25/8/19

34

~~CH 04~~

~~Lawrence claver~~

- * ~~Barya const~~
- ~~Canesp. citid~~
- ~~Draca macranth~~

- * ~~Ast. senat~~
- ~~Arthropodum?~~
- ~~Trachymene cyan~~
- ~~Micromyrtus racem~~

~~Hubbertia~~

- * ~~Stylid diets~~
- ~~Kobelia (red lvs)~~
- ~~Ursura anth~~
- ~~Gonocarpus cordul~~
- ~~Blenospor drum~~
- ~~Caladenia sacorh~~

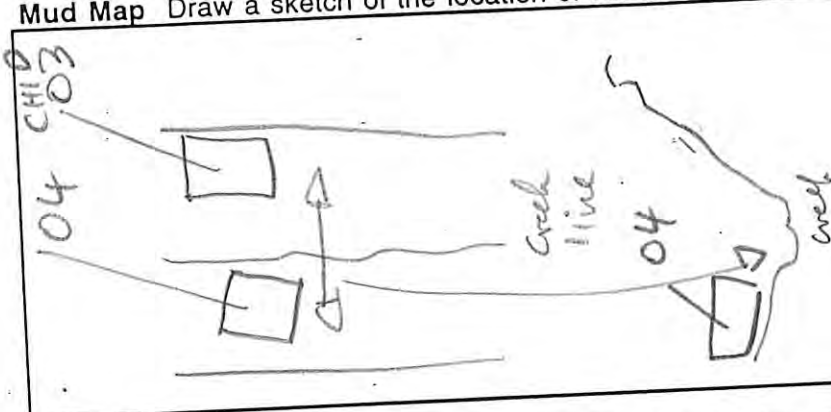
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA CHID SITE NUMBER 04
 DATE TRIP 21-4-99 RECORDERS AW/NG/GIS
 DATE TRIP 25/8/99 RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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

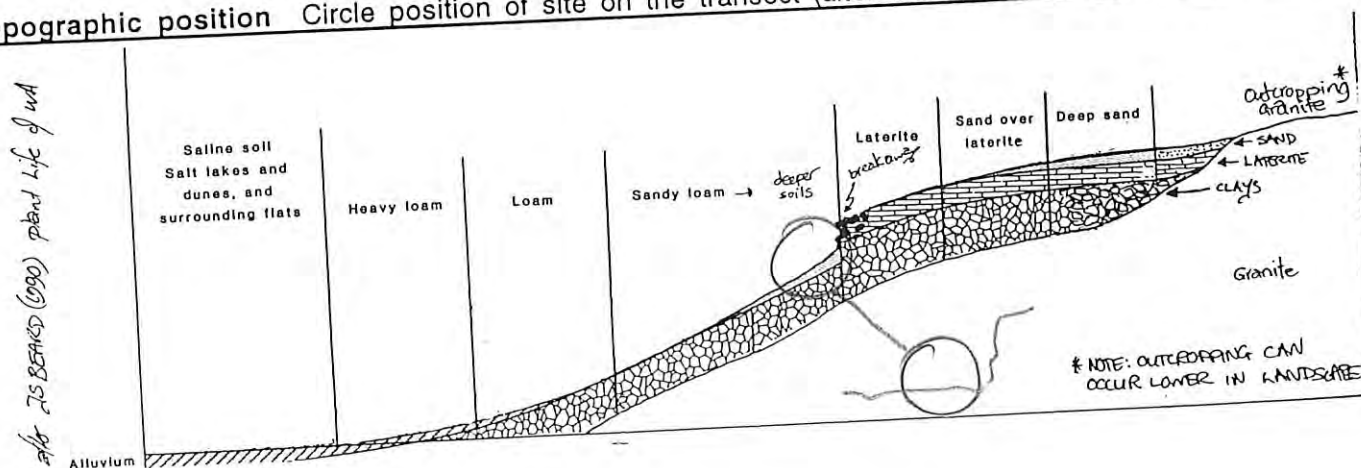


Road Location CHIDDA ROPPING NR

Geographic Location Latitude 30 53 26.8 S Longitude 118 39 14.4 E Altitude 2.6
 Reference Map

Photograph Photographer's Name NG Photo No 12

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



2. SITE DATA Circle the correct response.

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

Surface Soil gritty loamy clay Colour tan
 Exposed rock granite type % surface 2-10

Sub-surface Soil granite - loamy clay Colour _____
 Rock granite type depth to rock 10-30

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

Litter twigs logs 30 % cover
 (Depth) 2-10 cm Bare Ground 30 % 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	
LIFE FORM					
COVER CLASS (%)			Callitris vern		
DOMINANT SPECIES			10-30		
MALLEES					
over 8m		under 8m			
LIFE FORM					
COVER CLASS (%)					
DOMINANT SPECIES					
SHRUBS					
over 2m		2m - 1.5m		1.5 - 1m	
LIFE FORM					
COVER CLASS (%)	10/30		2-10		
DOMINANT SPECIES	Allocas acut Calotham Leptos. roei		Astrol. senat		
SHRUBS					
over 0.5m		under 0.5m			
LIFE FORM					
COVER CLASS (%)					
DOMINANT SPECIES					
GRASSES					
over 0.5m		under 0.5m			
LIFE FORM					
COVER CLASS (%)	10/30		10-30		
DOMINANT SPECIES	Spartochloa se	Brya const			
HERBS					
over 0.5m		under 0.5m			
LIFE FORM					
COVER CLASS (%)					
DOMINANT SPECIES					
SEDGES					
over 0.5m		under 0.5m			
LIFE FORM					
COVER CLASS (%)					
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments

excellent

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No CH1D 04

Date 21-4-1999

25/8/99

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

[illegible]

CH 01

(3)

- * Amphip strict
- Allocl canna
- Podolbe dug
- rhys pat

[CH 03]

Senecio gloss
Velleia cyanop
Thelym sp
Calandrinia

- * Arthrop curvipes
- * Trachym cyan
- Crossula colorata

25/8/19

34

[CH 04]

Laurence daven

- * Barya const
- Carlesp. ciliat
- Dræta macraell

- * Ast. serrat
- Artropodum ?

Trachymene cyan
Micromyrtus racem
Hibbertia

- * Stylid diels
- Lobelia (red lvs)
- Ursinia anth
- Gonocarpus nodul
- Blenospor drum
- Caladenia sacck

(4)

CH 4

Caladenia (various)

|| Cariniana

Hydrocotyle pilif. glab

Rhod laevis

Wahleberg press

Dracopis glandul

Cheilanthes austro

Dianella revol

22/11/99

ECHO 11

35

* Eriophyllum ramosum

Hyalosperm glutin

* pil. exalt

Glycyrrhiza osborn

* Brassica form

Pogonolepis strict

Isotopsis gramin

Brassica mediet

Hydrocotyl medic

Calotis hispida

Hyalospermum densis

||

Sonchus oleraceus

Arctotheca calycul

Hypochaeris glabra

Mesembryanthemum

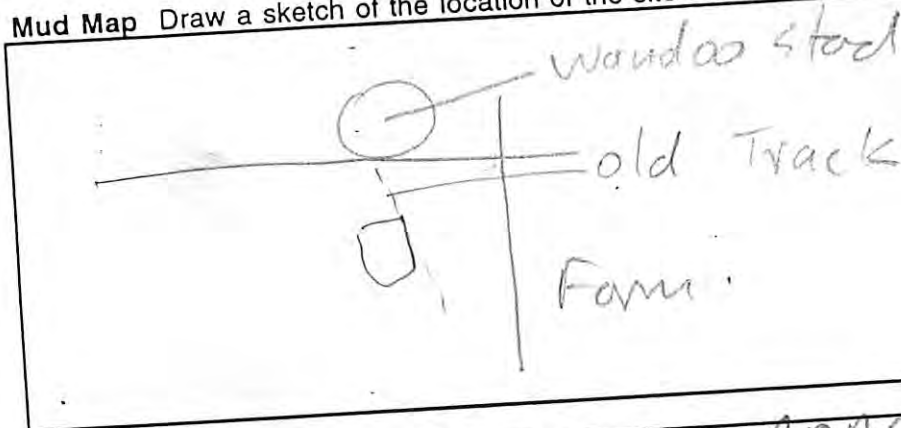
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA FARINA SITE NUMBER 01
 DATE TRIP 21-4-1999 RECORDERS _____
 DATE TRIP 25/8/99 RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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



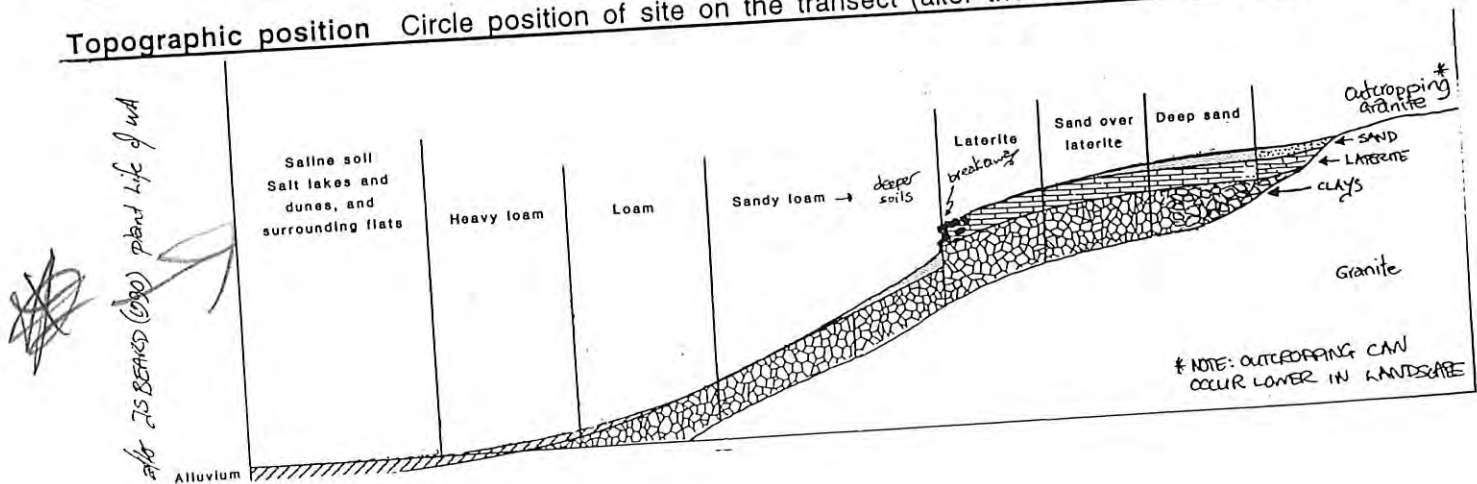
Road Location FARINA ROAD Altitude 2000

Geographic Location Latitude 30 48 48.9 S Longitude 118 37 00.5 E

Reference Map _____ Photo No 14

Photograph _____ Photographer's Name NG

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



2. SITE DATA Circle the correct response.

Slope	<u>flat</u> gentle steep	Aspect	N NE E SE S SW W NW
Surface Soil	<u>sandy clay</u>	Colour	<u>red-brown</u>
Exposed rock	type	% surface	
Sub-surface Soil	<u>ditto clay</u>	Colour	<u>ditto</u>
Rock	type	depth to rock	<u>?</u>
Drainage	well <u>mod</u> poor	depth water	cm
		Wet	all year winter/spring
Litter	<u>leaves twigs lvs</u>	% cover	<u>20</u>
	Depth <u>2-10-20</u>	cm	
Bare Ground	<u>20/30</u>	% 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						30m	10m
COVER CLASS (%)							
DOMINANT SPECIES						10-30	Euc. subangustata Euc. loxoph
SHRUBS						SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						Ac. henrictel 2m Mallotestemon 1m	
COVER CLASS (%)	2	10/30				10-30	
DOMINANT SPECIES	Santal. munray	Acac.				Beyeria Microcybe Dodonaea	
GRASSES		HERBS		SEDGES			
	over 0.5m	under 0.5m					
LIFE FORM							1m
COVER CLASS (%)							
DOMINANT SPECIES							

4. VEGETATION CONDITION

Comments

excellent, burnt ca 20/30 yrs ago

20720

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No FARINA 01
Date 21-4-1999
25/8/99

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

Same

TREES	No	FI	ID	SHRUBS (cont.)	No	FI	ID	HERBS (cont.)	No	FI	ID
								<i>Poddenia roei</i>			
								" <i>pachy-chila</i>			
								<i>Cithonocypoph pseudov</i>			
								<i>Millotia tenuifolia</i>			
								<i>Hydrocotyle pilifera</i>			
								" <i>rugulosa</i>			
								<i>Trachym cyanopet</i>			
								<i>Schoenus nanus</i>			
								<i>Stenopetalum lineare</i>			
								<i>Podotrocha angust</i>			
								<i>Hyalosperm dennis</i>			
								<i>Brachycome perpusillus</i>			
								<i>Thysanotus tenuis</i> (vsp)			
								SEDGES			
								<i>Eremophila ramosa</i>			
								<i>Actotheca calendula</i>			
								<i>Lawrencidia dar</i>			
								<i>Millotia myosotilolia</i>			
								<i>Blennospora drummondii</i>			
								<i>Hypochaeris glabra</i>			
								<i>Hydrocotyle medicag</i>			
								<i>Witizia acuminata</i>			
								<i>Actinobolus ulia</i>			
								<i>Goodenia herandiana</i>			
								<i>Hyalosperma dennisum</i>			
								<i>Plantago hisp</i>			
								<i>Senopetalum lineare</i>			
								<i>Schoenus nanus</i>			
								<i>Calandrinia carinosa</i>			
								<i>Veronica menopot</i>			
								<i>Thysanotus heterosmi</i>			
								<i>Cratogeomys oronoida</i>			
								<i>Ursinia anth</i>			
								<i>Lobelia (ed)</i>			
								<i>Sonchus oleracea</i>			

25/8
↓

(5)

~~ECHO Ø~~
~~Daucus glab~~
~~Crucifera color~~
~~Flachheit sclerol~~
* ~~Ac. hemiteles~~
~~Mareana trich~~
~~Plantago ? hisp~~
~~Stipa trichophylla~~
* ~~" elegant~~
~~Calandrinia~~
~~Ptilotus spathulat~~
~~" gaudichaud~~
~~Goodenia~~
~~Oscul. diae~~
~~" patentic~~
~~Erodium abies~~
~~Thymus marit~~
~~Thysanotus pat~~

Medicago poly 36

~~Goodenia~~
~~Medicago truncat~~
~~Zygophyllum ovat~~

FARMIA Ø

~~Laurenciella davenp~~
~~Millotia myos~~
~~Blechnospira drum~~
~~Hypochaer glabra~~
~~Hydrocotyle medic~~
* ~~Acacia hemiteles~~
* ~~" I~~
~~" II~~
Waltzia acumin
Actinobole ulig

(6)
 ERINA fl
 Trachym cyan
 Schoenus namer
 Gordenia berard
 Podotinea angust
 Thysanotus
 Phebal tubercul
 " megaphyll
 Arctotheca Ucaland
 Vulpia myuros
 Drummondia wissel
 Hyalosp demiss
 Plantago hispid
 Stenopet linear
 Caladenia carns
 * Dianella revo
 Hemocroph pseud
 Vellera cycnopot

Thysan. patres 37
 * Stipa eleg
 Ceratogone loblon
 Argemone anth
 Pentaschistis air
 Lobelia (red lvs)
 Caladenia roei
 Eremophyll racemosum
 Brachylcome
 Sonchus ol

~~312 416 12. 12. 12.~~
~~111 416 20. 20. 20.~~
~~111 416 1. 1. 1.~~

TR06

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA ECHO SITE NUMBER 01
 DATE TRIP 21-4-99 RECORDERS AW/NG/gk
 DATE TRIP 25/8/99 RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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



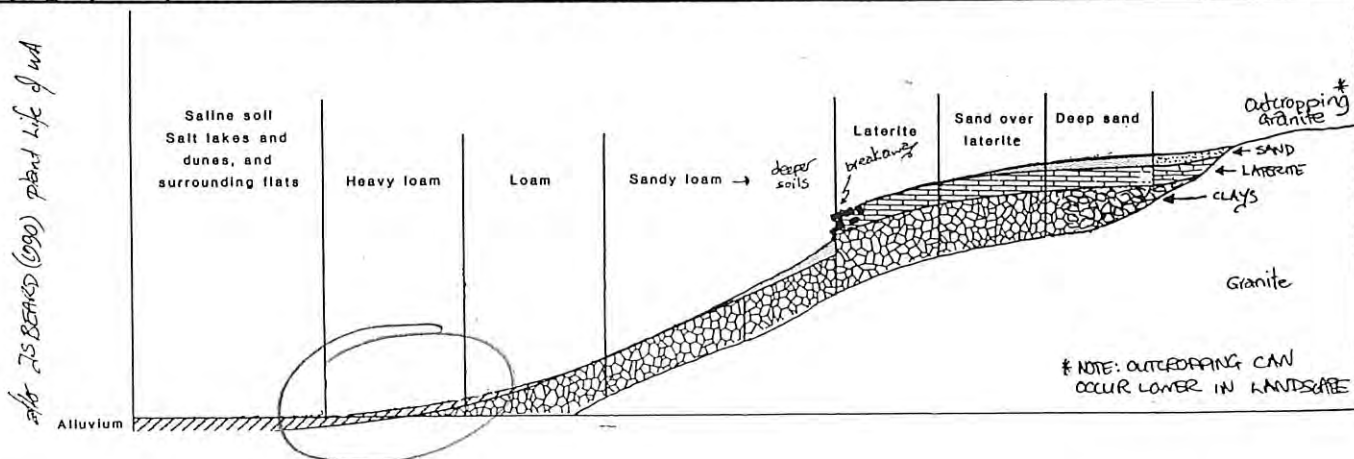
Road Location ECHO VALLEY ROAD

Geographic Location Latitude 30 58 57.4 S Longitude 118 33 26.4 E Altitude 1.8

Reference Map

Photograph Photographer's Name NG Photo No 13

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



2. SITE DATA Circle the correct response.

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

Surface Soil loam - clay Colour red
 Exposed rock type quartz % surface < 2

Sub-surface Soil clay loam Colour red
 Rock type leucite depth to rock > 1m

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

Litter 25 trays % cover 30 Bare Ground 40 % cover
 Depth 2 cm cm

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 (%)	10/20				
DOMINANT SPECIES	<i>Euc. salubris</i> <i>E. yilgarensis</i>				
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	<2		<2		2-10
DOMINANT SPECIES	<i>Santalum acuminatum</i>		<i>Waxmania</i>		<i>Templest. egeana</i> <i>Acacia enliva</i>
GRASSES		HERBS	SEDGES	SEDGES	
			over 0.5m	under 0.5m	
LIFE FORM					
COVER CLASS (%)	2/10	30/50			
DOMINANT SPECIES	<i>Stipa eleg</i>				

4. VEGETATION CONDITION

Comments

very good - past grazing

20x20

Date 21-4-1999

name if required
E. salmonophloea -
~~E. transe~~

- E. transi

E. transi

(4)

CH04

~~Caladenia (longie)~~
~~Hydrocotyle pilif. glab~~
~~Rhodiola laevis~~
~~Wahlbergia preiss~~
~~Drosera glandul~~
~~Chelidonium austro~~
~~Dianella resol~~

24/8/99

ECHO 01

35

- * ~~Eremophyllum ramosum~~
- ~~Hyalospermum glutin~~
- * ~~ptil exalt~~
- ~~Gilchristia osborn~~
- * ~~Brassica torn~~
- ~~Pogonolepis strict~~
- ~~Isotopsis gramin~~
- ~~Brassica medic~~
- ~~Hydrocotyl medic~~
- ~~Calotis hispida~~
- ~~Hyalospermum densis~~
- "
- ~~Sonchus oleraceus~~
- ~~Arctotheca calend~~
- ~~Hypochaeris glabra~~
- ~~Mesembryanthemum nodifl~~

ECIHO Ø1

(5)

Daucus glbch
 Brassica color
 Eriochiton sclerol
 * AC. hemiteles
 Mareana trich
 Plantago ? hisp
 Stipa trichophylla
 * " elegant
 Calandrinia
 Ptilotus spathulat
 " gaudichaud
 Goodenia
 Sclerol. diae
 " patentic
 Erodium ciliat
 Parnassia marit
 Thysanotus pat

Medicago poly 36

Goodenia
 Medicago truncul
 Zygophyllum ovat

FABRUA Ø1

~~Laurencetta davenp~~
~~Mitotia myos~~
~~Blechnospaen drunn~~
~~Hypochaer glabra~~
~~Hydrocotyle medic~~
 * Acacia hemiteles
 * " I
 " II
 Waitzia acumin
 Actinobole utig

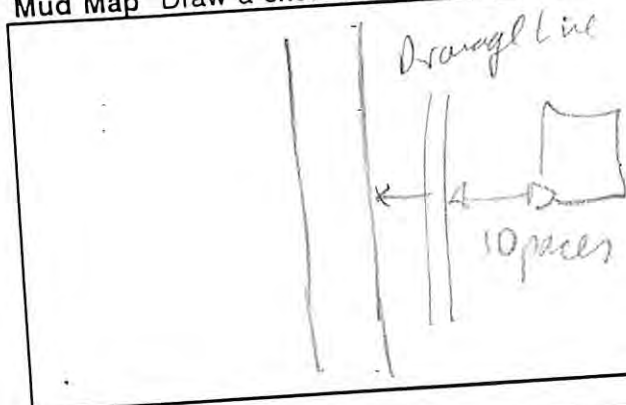
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA W W N R SITE NUMBER 01
 DATE TRIP 21-4-99 RECORDERS AW/NG/GK
 DATE TRIP 25/8/99 RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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



↑ N

AMG
603345
6583819

Road Location

Geographic Location Latitude 30 52.37.4 S Longitude 118 04 51.9 E Altitude 107

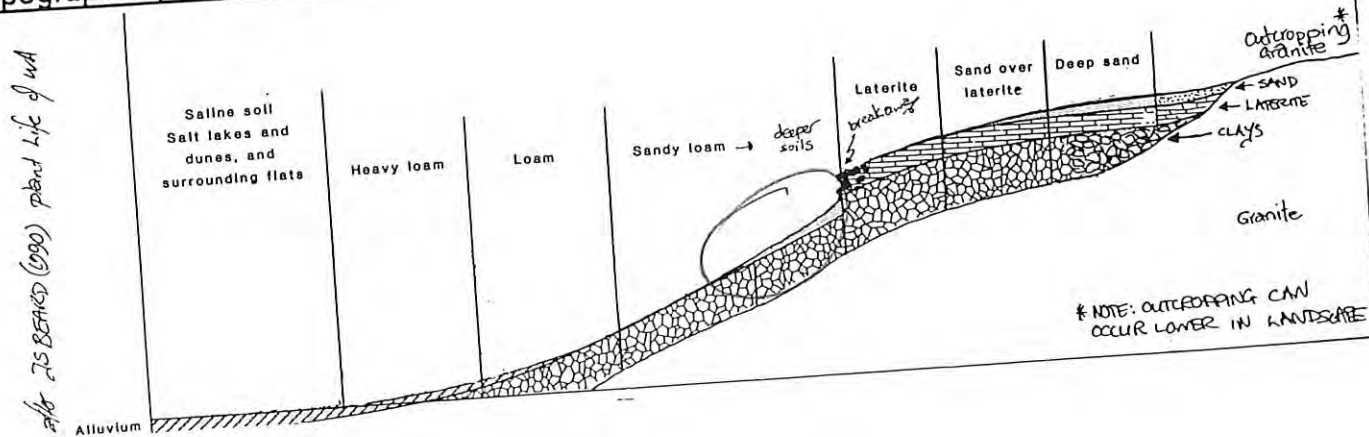
Reference Map

Photo No 15

Photograph

Photographer's Name NG

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



2. SITE DATA Circle the correct response.

Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	SE	<u>S</u>	SW	W	NW
Surface Soil	type <u>sandy clay</u>			% surface	Colour <u>yellow</u>							
Exposed rock	type			depth to rock	Colour							
Sub-surface Soil	type			depth to rock	Colour							
Drainage	<u>well</u>	<u>mod</u>	poor	depth water	cm	Wet all year			winter/spring			
Litter	Depth <u>10/30</u>			% cover	Bare Ground			<u>30/40</u>			% 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					
COVER CLASS (%)					10/30
DOMINANT SPECIES					Euc. subang.
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	SHRUBS under 0.5m
LIFE FORM					
COVER CLASS (%)	10/20				2-10
DOMINANT SPECIES	Mel. uncin				Banksia rough
GRASSES		HERBS	SEDGES	over 0.5m under 0.5m	
LIFE FORM					
COVER CLASS (%)	10/10	30/50	10/30		
DOMINANT SPECIES	Amphip strict	Borhya CONST	Ecdicolea mon Lepidobolus Lepidosp. visc		

4. VEGETATION CONDITION

Comments

Excellent

Euc

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

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

Record on Sheet

- Column 1 plant name
- Column 2 plant number

Mallee, 6m

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
Mallee, 6m, Peeling bark to 2m
orange-pink, lvs grey. no
stocking

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

[illegible]

W W N R 01
25/8/1999

25/8/1999

- * Banya caustriker
Waltzia acun
Artrop. capill
Podolep canesc
 || capillares
- * Nerachne alop
Ursinia anth
Lawrence daven
- * Brachea (Crosch)
Hypoch. glabra
Thys. paterson
~~Blechno sp. drumm~~
~~hypochaeris leand~~
~~Gilbertia tenuif~~
Velleia cynopof

Lobelia (red lvs) 38

38

Stipa elongata
Galatris hispidula
Geratogyne lobosa
Trachymene cyanop
 * *Drakella revoluta*
Caesia alfordii

Molteni Lake NR
Track to Norras granite
Site

Brown sand clay

Benet Tanner.

~~30 32 05~~

117 34 20.4

Not for WNWRFI, purpose unknown

MAND TR08

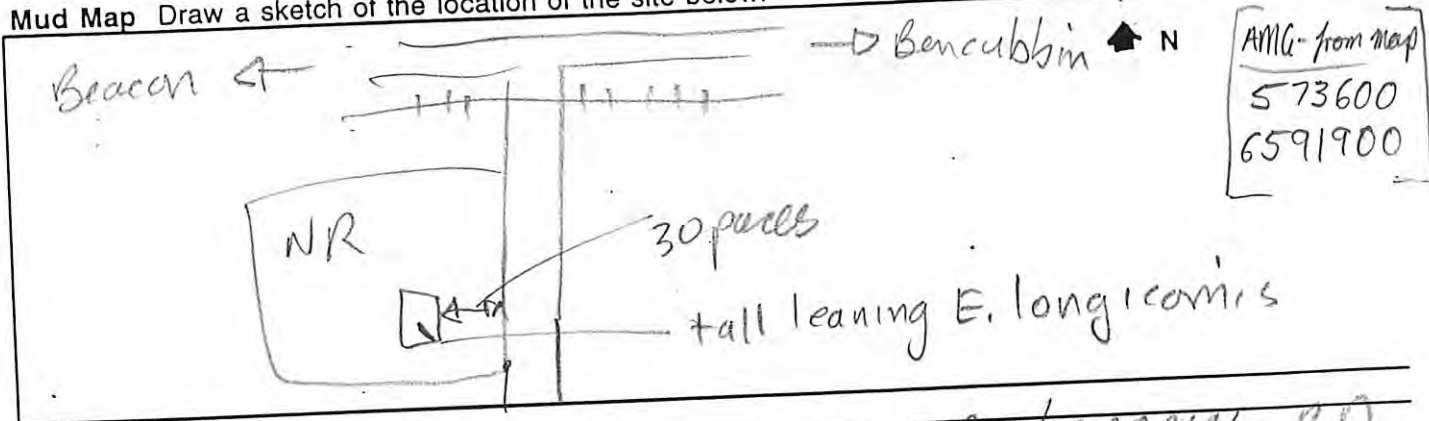
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA MAND SITE NUMBER 01
 DATE TRIP 21/4/99 RECORDERS NG/OK/AW
 DATE TRIP 25/8/99 RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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



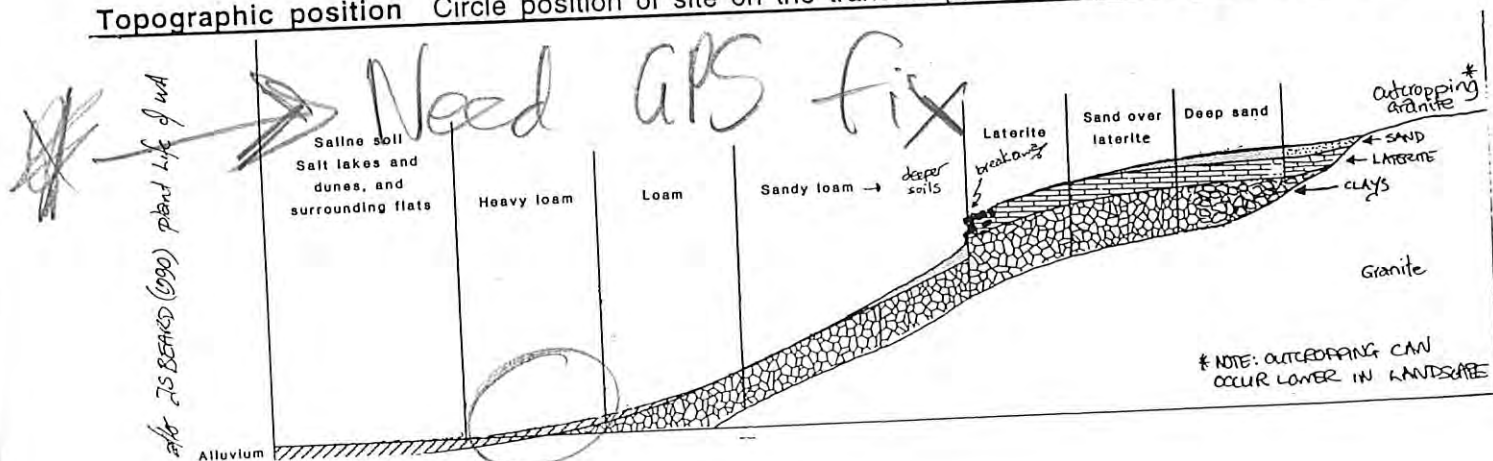
Road Location MANDIGA N R / GABAIN RD

Geographic Location Latitude 30 48 12.7 S Longitude 118 46 15.3 E Altitude 3.0

Reference Map

Photograph Photographer's Name NG Photo No _____

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



2. SITE DATA Circle the correct response.

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

Surface Soil clay loam Colour red
 Exposed rock type _____ % surface _____

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

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

Litter logs + twigs, lvs % cover 70 Bare Ground 20/30 % cover
 Depth 2-10 cm

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				
DOMINANT SPECIES	<i>E. longicornis</i> <i>E. salmonop</i>				
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2/10				10-30
DOMINANT SPECIES	<i>Eremophila</i>				<i>Ac. merrallii</i> <i>At. vesic</i> <i>Rhag. p. missi</i>
GRASSES		HERBS	SEDGES	over 0.5m	
LIFE FORM					
COVER CLASS (%)	2	2/10			
DOMINANT SPECIES	<i>Stipa eleg</i>	<i>Zygophyllum</i>			

4. VEGETATION CONDITION

Comments

very good - grazed in past
grassy weed invasion - local
severe

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

Euc. salmophloia

• Column 4 Identification check																	
TREES			No	FI	ID	SHRUBS (cont.)			No	FI	ID	HERBS (cont.)			No	FI	ID
Euc longianus ✓												Acoris sp. ✓					
												Brassica toureport ✓					
												Parietaria deltilis ✓					
												Senecio oleos ✓					
												Podolithes gnaph ✓					
												Sonchus herodensis ✓					
												Calotris hirsid ✓					
MALLEES																	

ADD Exemplaria of
from considered..

MAND Φ1

8

Acacia

* Zygophyllum

* Hippocrepis

* Templeit sulcata

Brassica tom

Parietaria debilis

Zygophyllum ovat

* Rhag. preuss

Sisymbrium irio

Senecio gloss

Podother. gnaph

Sonch olerac

* E. rich tom

* Acac ~~tom~~ ~~mand~~

Eragrostis

Schismus barbatus

USA

Calot. hisp d

39

22/2/1999

BOYNE Φ1

* Salmon Gum

Senecio gloss

Arctotheca

Hyalosp demiss

Puccin. lepis stricta

Zygophyll apic

Bromus madrit

* Eremoph. rana rana

Sonch. olerac

Plantago hisp d

Parietaria debilis

Stellaria filif

Crassula scol

Daucus gloch

TR09

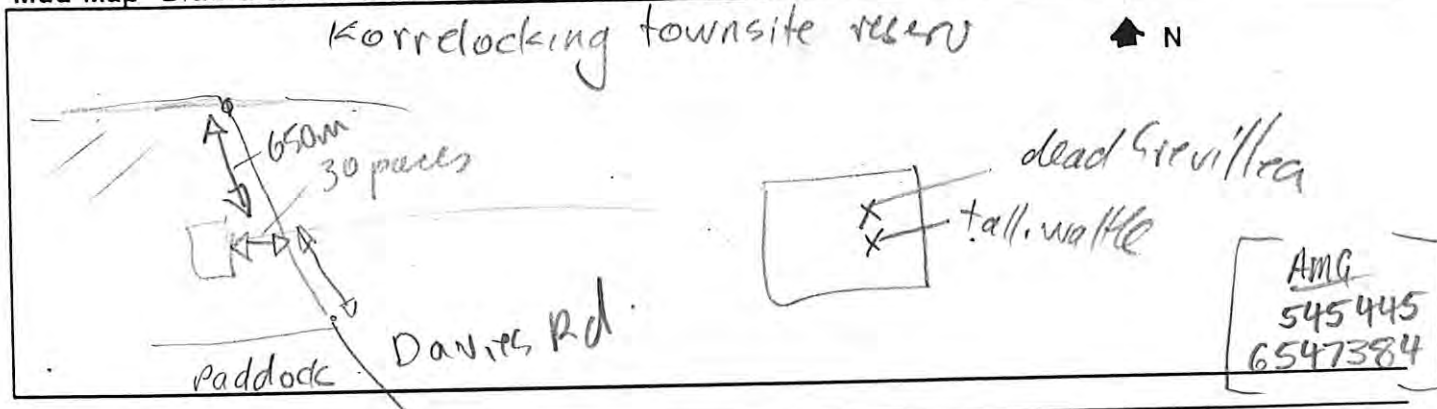
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA KORR SITE NUMBER 01
 DATE TRIP 22-4-99 RECORDERS NG/GK/AW
 DATE TRIP 30/8/99 RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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

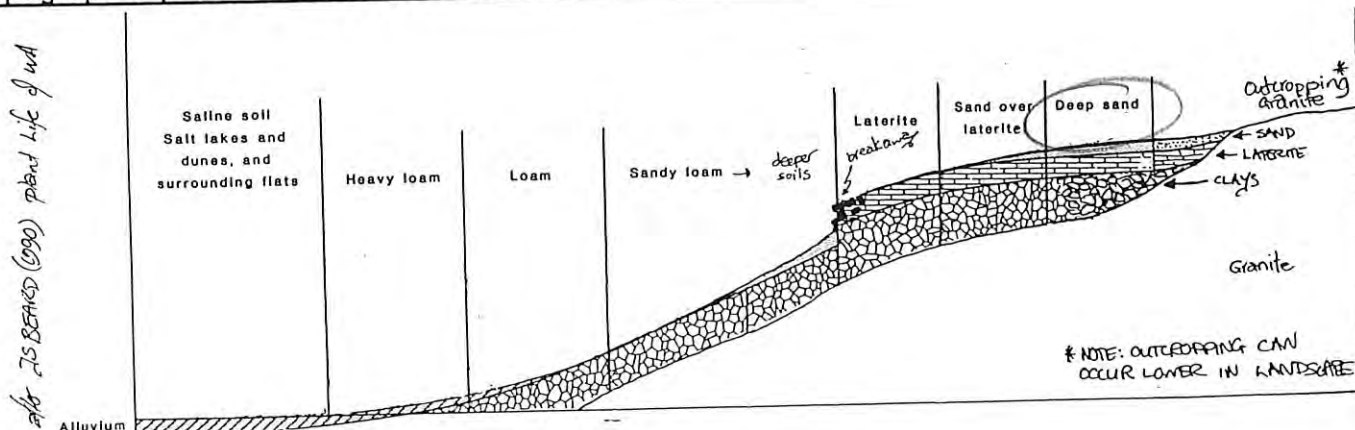


Road Location

Geographic Location Latitude 31 12 24.0 S Longitude 117 28 37.4 E Altitude 2.6
 Reference Map _____

Photograph Photographer's Name NG Photo No 19

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



2. SITE DATA Circle the correct response.

Slope	<u>flat</u> gentle steep	Aspect	N NE E SE S SW W NW
Surface Soil	<u>sand</u>	Colour	<u>yellow</u>
Exposed rock	type _____ % surface _____		
Sub-surface Soil	<u>sandy clay - clay</u>	Colour	<u>yellow</u>
Rock	type _____ depth to rock <u>>1m</u>		
Drainage	well <u>mod</u> poor depth water cm	Wet	all year winter/spring
Litter	<u>twigs, lva</u> % cover <u>20</u>	Bare Ground	<u>50</u> %cover
Depth	<u>2-10</u> cm		

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 (%)					
DOMINANT SPECIES					
SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2-10	2			10/20
DOMINANT SPECIES	<i>Alloc. acutiv</i> <i>grey exsels</i> <i>Acacia</i>	<i>grey. hook</i>			<i>Melal. cord</i>
GRASSES		HERBS	SEDGES	over 0.5m	
LIFE FORM					
COVER CLASS (%)	2	20		30/50	
DOMINANT SPECIES		<i>Borja const</i>		<i>Ecdicola-mono</i> <i>Mosom. preissii</i>	

4. VEGETATION CONDITION

Comments

excellent

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE	
SITE No	KORR 01
Date	22-4-99
	30/5/99

Record on Sheet

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

[illegible]

30/8

14

① - second note book lot

Trayning Cell - Spring 99

KORR

30/8/99

1

✓ *freu. hookeriana* hook

* *Burys CONSTRICTA*

Waitz acum

Hypochaeris glab

Trachym cynop

✓ *Rhodanthe laevis*

Drosera macrantha

✓ ? *Micromyrtus* = *Baeleia crispifolia*

* *Schoenus (cushion)*

Crassula pedicellosa

Drosera spicigera

Daviesia triflora

* *Mesomel preussii*

Drosera (pygmaea)

✓ *Boronia caerulea*

Hyalosperm demiss

* *Amphip. strictus*

(2)

KORR 01

Vellera cyclopot
Valpia myuros
Trichyne tenella
* Dianella vevol

20/4/99

ELAS 02

* Boria ~~construa~~
hahrencella dan
Podolep ~~canese~~
Ayalospenn ~~demus~~
Podolep ~~tepper~~
Velleia ~~cycno~~
Crossula ~~holocata~~
Waltzia ~~a cum~~
Chthonoc ~~pseud~~

Goodenia brand 2

* Pentaschistis ~~air~~
Drosera ~~macantha~~
* Myrt (Malluot)
Gilbertia ~~tennif~~
Valpia ~~myuros~~
* Neratline ~~glopec~~
* Acacia (Hs)
* Spartochloa
* Edeicola
Baekia ~~crispiflora~~
Thysanotus ~~wangles~~
* Stipa ~~trichop~~
Drosera ~~bulbosa~~
Hypoch ~~glab~~
Rhodanthel ~~laers~~
Platysace

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

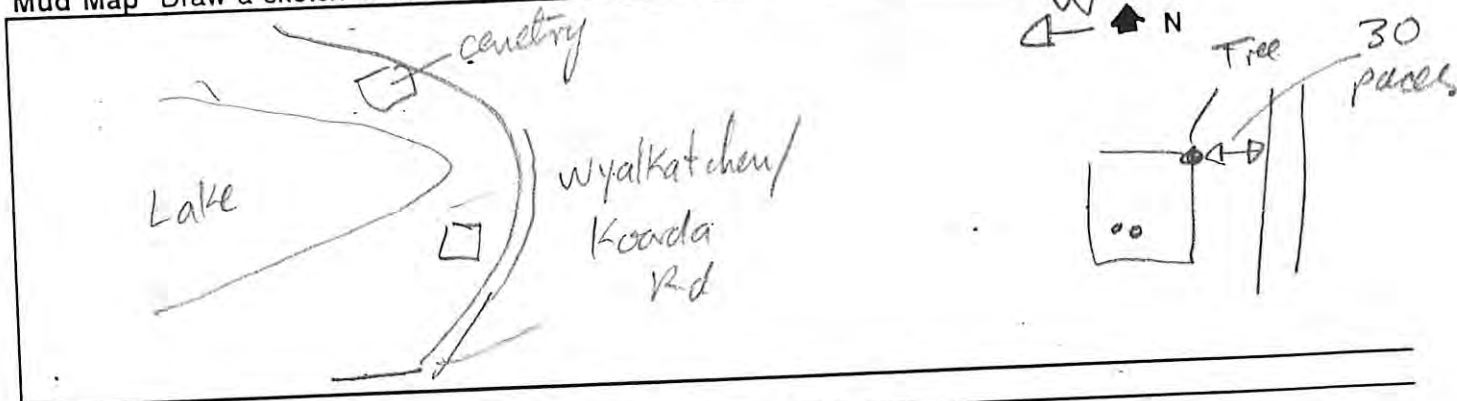
TRIO

BUSHLAND AREA COOKE SITE NUMBER 01
 DATE TRIP 21-4-99 RECORDERS NG/AW/GK
 DATE TRIP 27/8/99 RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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



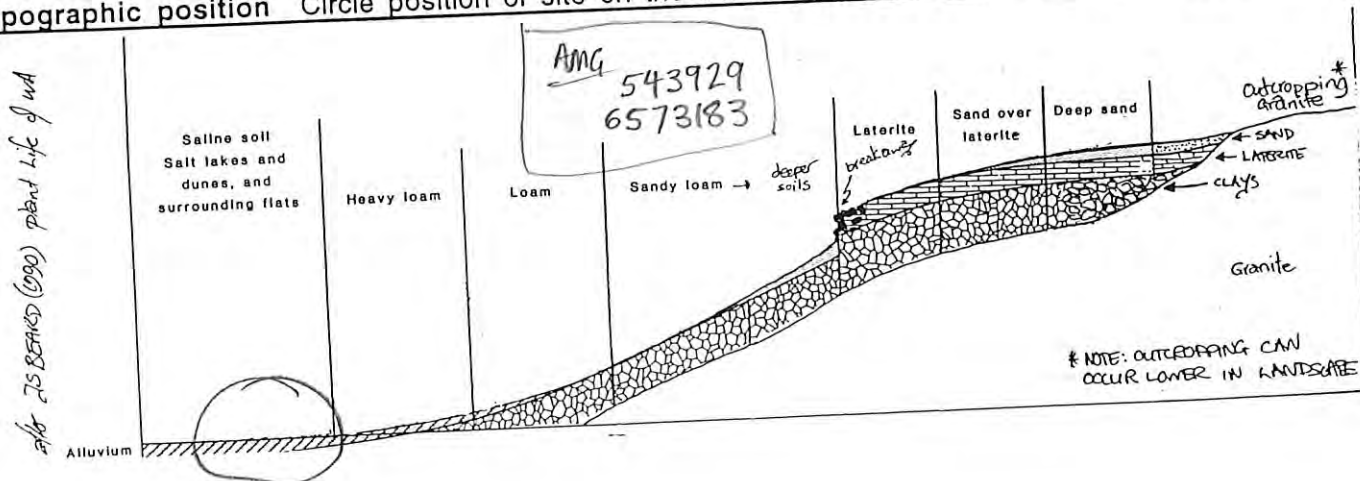
Road Location COOKE RD

Geographic Location Latitude 30 58 26.2 S Longitude 117 27 36.1 E Altitude 200

Reference Map

Photograph Photographer's Name NG Photo No 18

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



2. SITE DATA Circle the correct response.

Slope	<u>flat</u> gentle steep	Aspect	N NE E SE S SW <u>W</u> NW
Surface Soil	<u>clay-loam</u>	Colour	<u>brown</u>
Exposed rock	type	% surface	
Sub-surface Soil	<u>clay (solid)</u>	Colour	<u>brown</u>
Rock	type	depth to rock	<u>21m</u>
Drainage	well <u>mod</u> poor	depth water	cm Wet all year winter/spring
Litter	<u>logs, twigs, lvs</u>	% cover	<u>50/70</u>
Depth	<u>7-20</u> cm	Bare Ground	<u>30</u> %cover

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					
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)		2-10			
DOMINANT SPECIES		Euc. kondin			
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)				30/50	10/20
DOMINANT SPECIES				Atr. versie	Gunnopsis quadr Sarcopoda Thelkeldia Chenopod
GRASSES		HERBS	SEDGES	SEDGES	
			over 0.5m	under 0.5m	
LIFE FORM					
COVER CLASS (%)	2/10	?			
DOMINANT SPECIES	Stipa eleg				

4. VEGETATION CONDITION

Comments

very good - excellent
salt death some west
encroaching

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

same

ADD Thelohelmin diffusion
from cow's heart.

(10)

COOKE 81

27-8-99

Senecio gloss

Podoleps canesc

Pentastichis air

Crossula color

Calandrinia

Triglochin calceol

Lobelia rig

Vulpia myuros

// Brachyotum ciliat

Oenothera claud

// Catula bipinn

Ursinia anthem

// Hyaloserphum glut

~~Hyaloserphum glut~~

~~Hyaloserphum glut~~

~~Hyaloserphum glut~~

posicall fls

COOK 81 41

27-8-99

* Pentastichis arvoed

Avena barbata

Bromus rubens

Eremophyllum racemos

* Enchyl. tom

Arctotheca calend

// Millotia myosotidifl

27/8/99

~~Knott Moore~~

~~on Dandenong Rd~~

~~Annual rfd. about~~

~~Fls pale pink~~

30 37 33

115 56 07

* purpose unknown

TR11

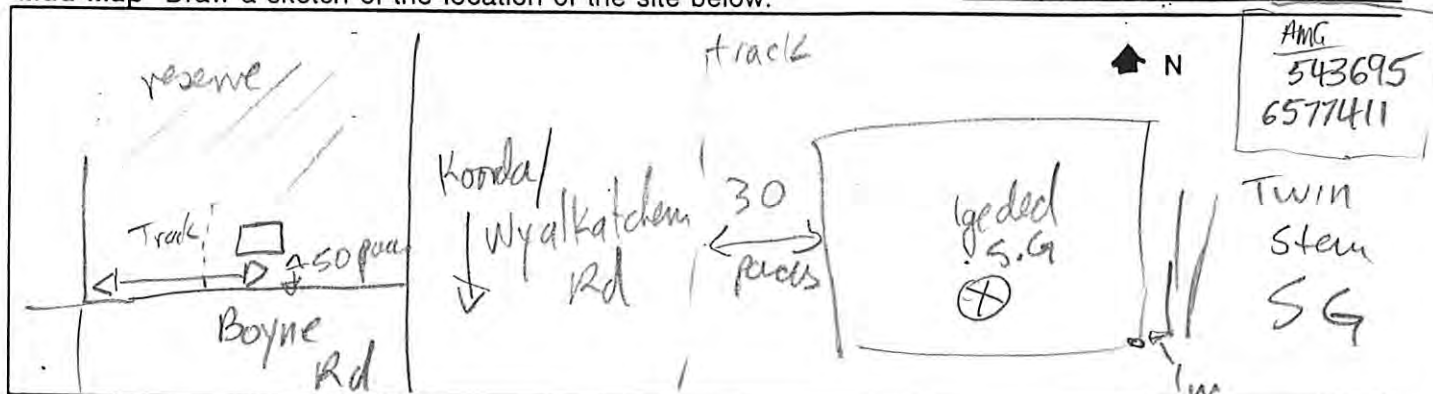
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA BOYNE SITE NUMBER 01
 DATE TRIP 21-4-99 RECORDERS AWING/GK
 DATE TRIP 27/8/99 RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

1. LOCATION of the QUADRAT

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

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

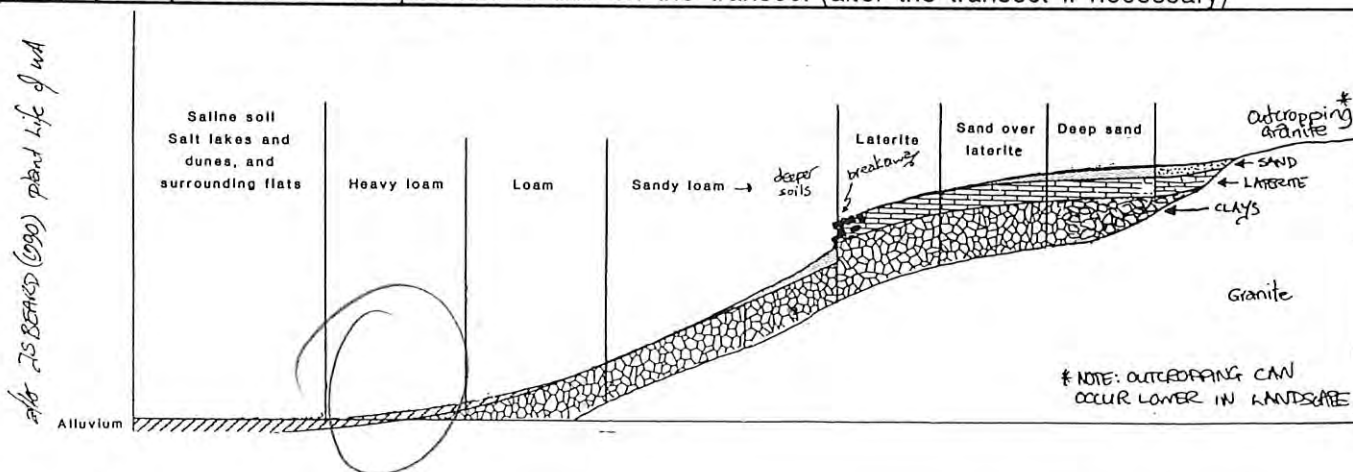


Road Location BOYNE RD

Geographic Location Latitude 30 56 08.9 S Longitude 117 27 26.6 E Altitude 1400P
 Reference Map 30 20

Photograph Photographer's Name NG Photo No 17

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



2. SITE DATA Circle the correct response.

Slope	<u>flat</u>	gentle	steep	Aspect	N	NE	E	SE	S	SW	W	NW
Surface Soil	<u>clay loam</u>								Colour	<u>red</u>		
Exposed rock	type								% surface	—		
Sub-surface Soil									Colour			
Rock	type								depth to rock	<u>> 1m</u>		
Drainage	well	<u>mod</u>	poor	depth water	cm	Wet	all year	winter/spring				
Litter	<u>leaf</u>	<u>bark</u>	<u>lvs</u>	<u>twigs</u>	% cover	<u>30/50</u>	Bare Ground	<u>50</u>	% cover			
	Depth	<u>2-20</u>		cm								

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				
DOMINANT SPECIES	<i>E. salmon</i>				

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	10/20				10/20
DOMINANT SPECIES	<i>Mel. pauperif</i> <i>Exoc. aphyll</i> <i>Acac. leucitela</i>				<i>Ench. tom</i> <i>Ato. vesic</i> <i>Ac. merrall</i>

GRASSES		HERBS		SEDGES	
	over 0.5m		under 0.5m		under 0.5m
LIFE FORM					
COVER CLASS (%)	L2	?	L2		
DOMINANT SPECIES	<i>St. pa-eleg</i>				

4. VEGETATION CONDITION

Comments

good - v good
- cars, logging

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No BOYNE 01

Date 21-4-99

27/8/99

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. salmono								Parietaria debilis	27/8		
								Stellaria filiformis			
								Crassula colorata			
								Daucus glochidiatus			
								Calotia hispidula			
								Isotopais graminifolia			
								Crassica tourneforti			
MALLEES								Medicago polymorpha			
				GRASSES				Podolepis tenuifolia			
				Stipa elegant				Calandrinia			
								Erodium cicutarium			
				Bromus robens 27/8				Phlegmatospermum drummondii			
SHRUBS								Steropetalum lineare			
Exocarp aphyll				fastigiata				SEDGES			
Melal pauperifl subsp.								Micropterum papillosum			
Acac lerinacea								Emex australis			
Atriplex vesicaria				Vulpia myuros 27/8				Thysanotus marginatus			
Enchylaena toment				Rostaria pumila "				Holcus leucomus			
Eremophila drummondii				Avena fatua "				Silene nocturna			
Rhagodia drumm				HERBS				Wahlenbergia preissii			
Adacia merallii				Brassica tournefort				Goodenia pulchelliflora			
Olearia muelleri								Rhodantha laevis			11
Scaev spinesc											
Chenopodium rhagodia drummondii											
Acac hemiteles				Asteridea atrix 27/8							
				Senecio glaucanthus							
				Heterotheca calendula							
				Rhodantha pumila							
				Pogonolepis stricta							
Muriaria striata 27/8/99				Zygophyllum hillardii							
Sclerolaena dicantha "				Eryngium yuccifolium var. sp. ram							
				Sonchus oleraceus							
				Plantago off. his							

MANO ϕ I

(8)

- ~~Acacia~~
- * ~~Zygophyllum~~
- * ~~Atropa eleg~~
- * ~~Amelanchier~~
- ~~Brassica~~
- ~~Parietaria debilis~~
- ~~Zygophyllum ovat~~
- * ~~Rhag. preiss~~
- ~~Sisymbrium inod~~
- ~~Senecio gloss~~
- ~~Podothera gnaph~~
- ~~Sonch olerac~~
- * ~~Brassica tom~~
- * ~~Acacia~~
- ~~Eragrostis~~

~~Calot. hispida~~

39

27/2/1999

BOYNE ϕ I

- * ~~Salmon Gum~~
- ~~Senecio gloss~~
- ~~Arctotheca~~
- ~~Hyalosp demiss~~
- ~~Pogonolepis strach~~
- ~~Zygophyll~~
- ~~Bromus~~
- * ~~Eremoph ram ram~~
- ~~Sonch olerac~~
- ~~Plantago~~
- ~~Parietaria debilis~~
- ~~Stellaria filif~~
- ~~Crassula color~~
- ~~Daucus gloch~~

④

BOYNE ①

- ✓ Calotis hisp
- Isotop graminif
- * ~~Brassica~~ ~~tournef~~
- ✓ Medicago polym
- Podolepis hepper
- Calandrinia
- Marrubium trich
- Salsola discanth
- Vulpia myuros
- Rostkia plum
- Erod cym
- ✓ Lepidium ^{phlegmat} ^{-stiche}
- Stenopet lineare ^{grum}
- Aspidella ather
- ✓ Mesembry ^{aff. microphylla}
- Emex laustris
- ✓ Micropteron papillosum (van)

BOYNE ① 40

- Thysanotis maculif
- Herodium leporinum
- * Eriophorum
- * Stipa - chea
- Avena sativa
- * Olear. muelleri
- Silene nocturna
- ✓ Nahlenbergia press
- Stellaria filiform
- ✓ Goodenia ^{multiflora}
- Rhodanthe laevis (van)

TR12

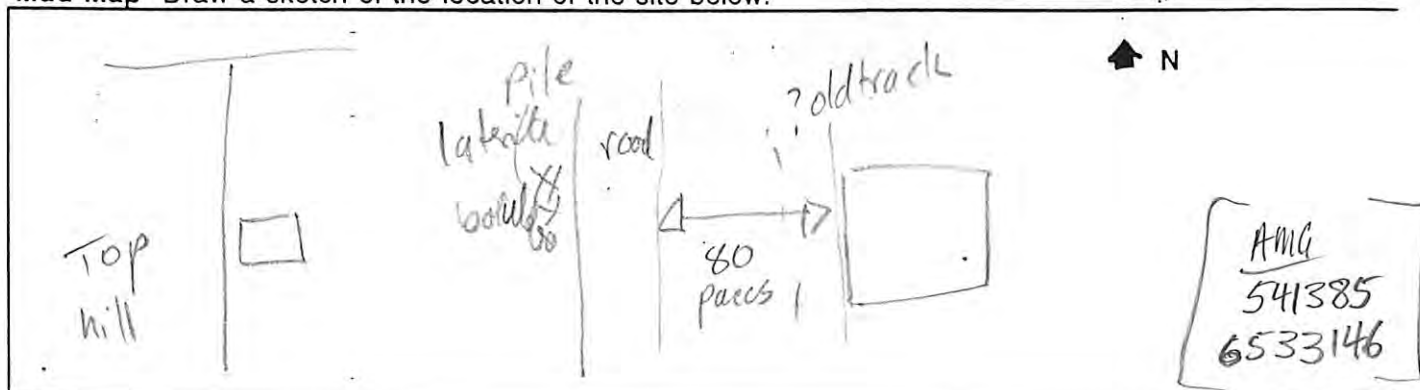
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA ELAS SITE NUMBER 01
 DATE TRIP 22-4-99 RECORDERS AW/NG/GK
 DATE TRIP 30/8/99 RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

1. LOCATION of the QUADRAT ELASHGIN NR

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

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

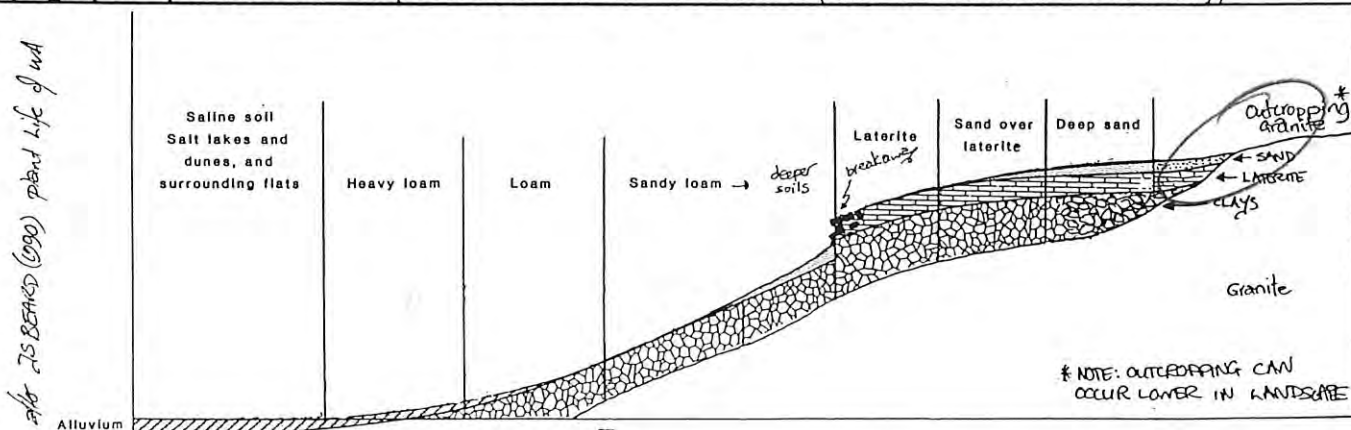


Road Location

Geographic Location Latitude 31 20 07.0 S Longitude 117 26 06.1 E Altitude 2.0
 Reference Map

Photograph Photographer's Name NG Photo No 20

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



2. SITE DATA Circle the correct response.

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

Surface Soil clay-loam Colour brown
 Exposed rock type % surface

Sub-surface Soil clay Colour
 Rock type depth to rock

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

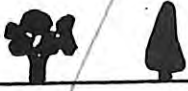
Litter 105, twigs, logs % cover 30/30 Bare Ground % cover
 Depth 2-15 cm

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		E. transe E. 10x0 E. capillosa			
SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	10/30			2-10	
DOMINANT SPECIES	Acac Melaleuca Dodonaes Mtree lob			Scavi spin Alyxia bay	
GRASSES		HERBS		SEDGES	
	over 0.5m			under 0.5m	
LIFE FORM					
COVER CLASS (%)	2				
DOMINANT SPECIES	Stipa eleg				

4. VEGETATION CONDITION

Comments

very good - excellent

2020

30/8/99

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

name if required grey stock ing, 3m
E. (sm bad) — smooth grey, shiny / vs
Kochii ssp. plenissima —
E. capillosa —

[illegible]

Hydrocotyle rugulosa -

Ereun/hu, ouath.

③ 30/8/99

ELAS 02

~~Ophroglossum carles~~
~~Paranthera microph~~
~~Stipa canyore/hary~~
~~Brachycore gland~~
~~Hydrostyle~~
~~Wahlenbergia polius~~
~~Crassula pedicell~~

30/9/99

ELAS 01

~~Goodenia beard~~
~~Maireana canosa~~
~~Podolep leppri~~
* ~~Phleb tulare~~
~~Ptil. spath~~
~~Hydrocot medilag~~
~~Rhodanthe laevic~~

Eremiophyll racamo³

Arctotheca calend

* Exo. aph

* Ac. eruce

* Stipa trichopl

Red Lobelia

* Scaev spin

// Pterostylis notica

Trachymene cyanop

chthonocephal pseud

Eremoph lion

* Podolepis cap

* Olea. muell

Laurencella dav

Hypochaer glabra

Walt³ acum

* Alyssa but

// Pterostylis sp inland.

(4)

30/8/99

ELIAS Ø1

- ✓ *Sinecio gl*
- ✓ *Parietaria*
- ✓ *Plantago off*
- * *Oleara*
- Erodium cyan*
- ✓ *Calandrinia*
- * *Dianella revol*
- Hydrocotyle pili*
- * *Eremoph*
- Sclerol. diac*
- ✓ *Calotis hispid*
- ✓ *Wahlenb*
- Osteospermum claud*
- Nyctagiana occ*
- Bulbine samibark*
- Crossula colorata*
- Cryptandra*

Mairea trichopt 4

Hydrocotyle rugosa

TR13

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

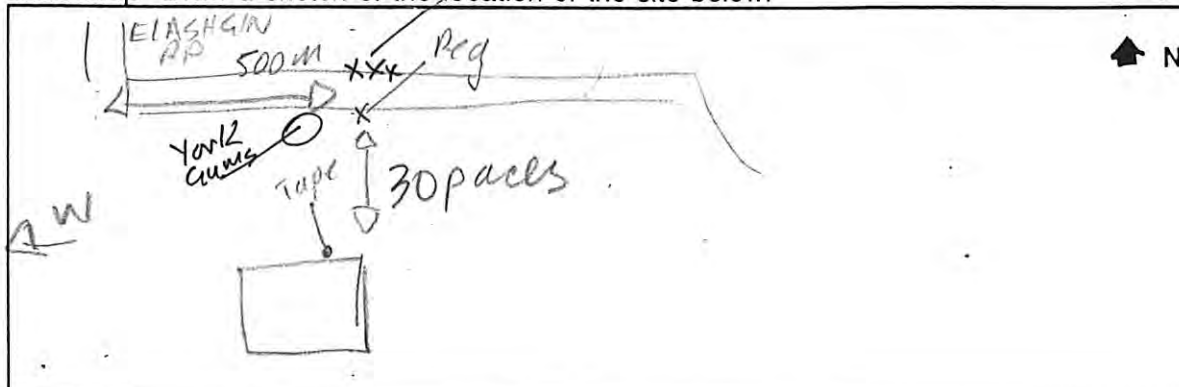
BUSHLAND AREA ELAS SITE NUMBER 02
 DATE TRIP 22-4-989 RECORDERS NG/AW/QK
 DATE TRIP 30/8/99 RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

1. LOCATION of the QUADRAT

Planted trees
Ac. saligna

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

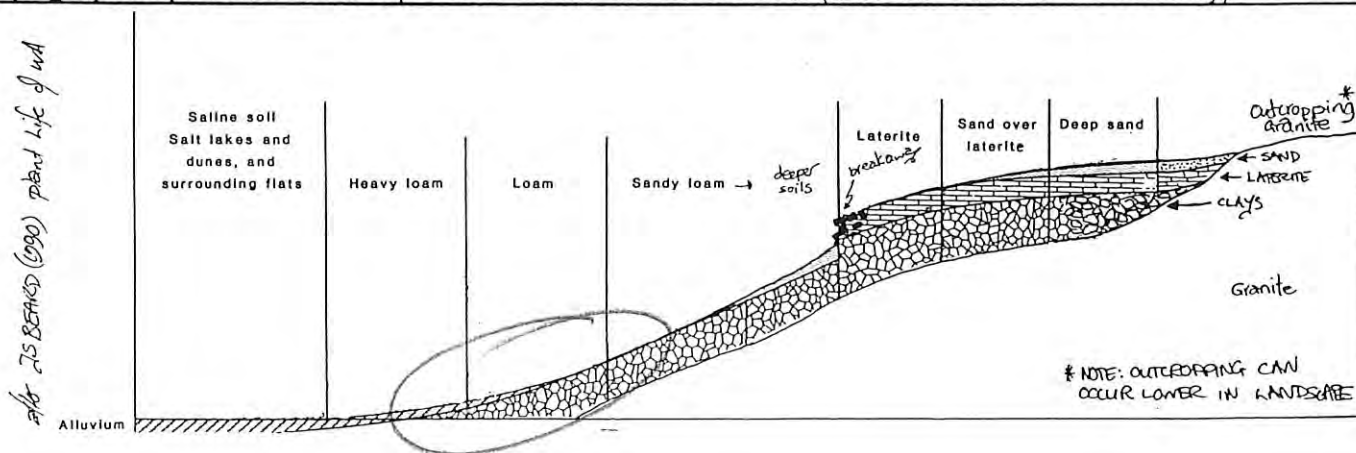
Mud Map Draw a sketch of the location of the site below.

Road Location MAITLAND ROAD

Geographic Location Latitude 31 19 37.9 S Longitude 117 26 56.9 E Altitude 2.8
 Reference Map _____

Photograph _____ Photographer's Name NG Photo No 21

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



2. SITE DATA Circle the correct response.

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

Surface Soil sandy clay Colour grey
 Exposed rock type _____ % surface _____

Sub-surface Soil clay Colour _____
 Rock type granite depth to rock 22m

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

Litter twigs, stems % cover 10/20 Bare Ground 50/60 % cover _____
 Depth 2-5 cm

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 (%)					
DOMINANT SPECIES					

SHRUBS				SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM	 		 		
COVER CLASS (%)	30/50				10
DOMINANT SPECIES	Mel. uncinata				Platysace Baetkea

GRASSES		HERBS		SEDGES	
	over 0.5m			over 0.5m	under 0.5m
LIFE FORM	 	  	  		  
COVER CLASS (%)	10/20	30			10/20
DOMINANT SPECIES	Spartochloa sciop	Burys canst			Ecdicolea-- Lepidosp viscid

4. VEGETATION CONDITION

Comments

excellent

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No	ELAS 02
Date	22-4-'99

Label each plant
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				SHRUBS (cont.)				HERBS (cont.)				No	FI	ID	

30/9

30/9

(2)

KORR $\Phi 1$

~~Velleia cycnospot~~
~~Vulpia myuros~~
~~Tridaxxum tenella~~
* Dianella yevo1

20/4/99

ELAS $\Phi 2$

* Borya constricta
Lathreniella dan
Podolep canesc
Hyalospermum demiss
Podolep tepper
Velleia cycno
Crossula colorata
Waitzia acumin
Chthonoc pseudoc

Goodenia brand 2

Pentastichis air
Drosera macrantha
* ? Myrt (Mallacott)
Gilbertia tenuif
Vulpia myuros
* Neratium glopec
* Acacia (fls)
* Spartochloa
* Ecdicolea
/// Baekea crispiflora
Thysanotus wangler
* Stipa trichop
Drosera bulbosa
Hypoch glab
Rhodanthel laevis
Platysace

(3) 30/8/99

ELAS 02

Ophioglossum coriace
Paranthera microph
Stipa canyore (hary)
Brachycare gladi
Hydrocotyle
Wahlenbergia poliss
Grassula pedicell

ELAS 01

Goodenia beard
Marrubium canosa
Podolep leppari
* Phleb. tuberc
Ptil. spath
Hydrocot. mediag
Rhodanthe laevis

Eremophyll racamo³
Arctotheca calend
* EXO. aph
* AC. erince
* Stipa triphopl
Red Lobelia
* Scaev spin
Pterostylis
Trachymene cyanop
Chthonocephal pseud
Eremophion
* Podolepis cap
* Olea. muell
Lawrencella dav
Hypochoer glabra
Walt³ acum
* Alyssa box

TR14

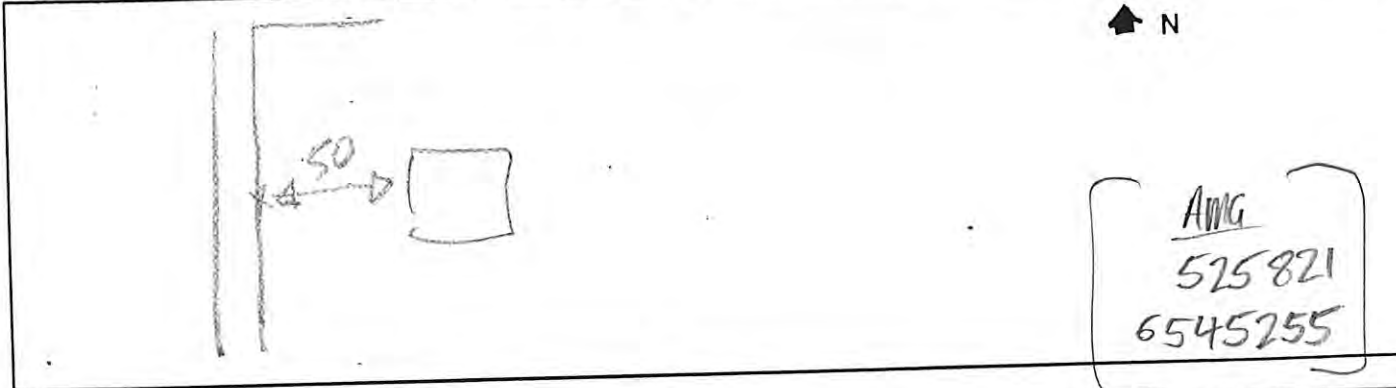
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA 14920 SITE NUMBER 01
 DATE TRIP 22-4-99 RECORDERS NG/AW/AK
 DATE TRIP 30/8/99 RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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



Road Location

Geographic Location Latitude 31 13 35.3 S Longitude 117 16 16.0 E Altitude 200

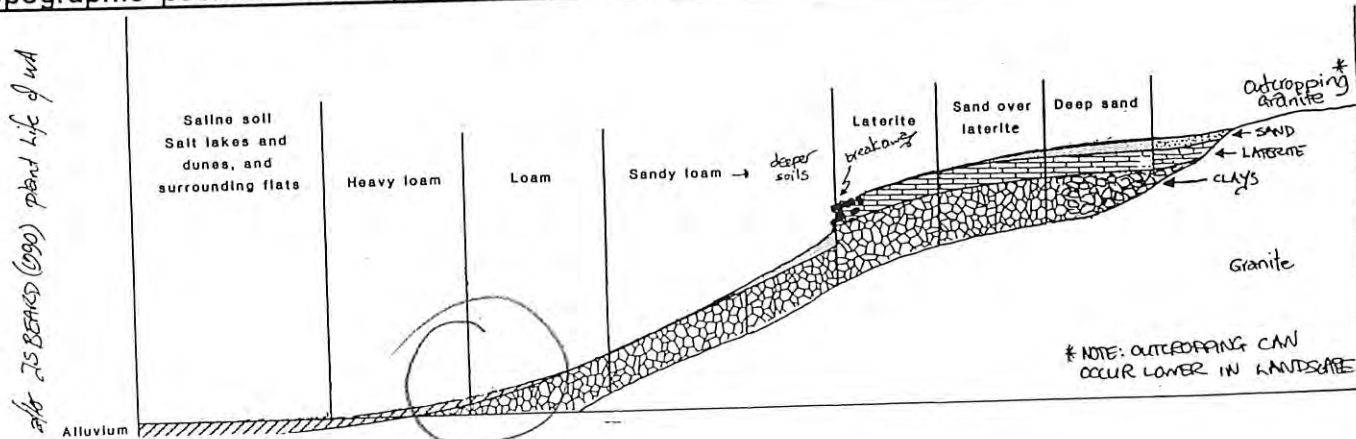
Reference Map

Photograph

Photographer's Name NG

Photo No 282

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



2. SITE DATA Circle the correct response.

Slope	<u>flat</u>	gentle	steep	Aspect	N	NE	E	SE	S	SW	W	NW
Surface Soil	<u>clay loam</u>			Colour	<u>yellow</u>							
Exposed rock	type			% surface								
Sub-surface Soil	<u>clay</u>			Colour	<u>brown</u>							
Rock	type			depth to rock								
Drainage	well	<u>mod</u>	<u>poor</u>	depth water	cm	Wet	all year	winter/spring				
Litter	<u>lvs, twigs, lvs</u>			% cover	<u>30/50</u>			Bare Ground	<u>30/50</u>			% cover
Depth	<u>1-20</u>			cm								

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.

		TREES			MALLEES	
		over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM						
COVER CLASS (%)						20/30
DOMINANT SPECIES						Euc. villo Euc. scythr Euc.
		SHRUBS			SHRUBS	
		over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM						
COVER CLASS (%)						L2
DOMINANT SPECIES						Oleoria multiflora
		GRASSES		HERBS	SEDGES	
				over 0.5m	under 0.5m	
LIFE FORM						
COVER CLASS (%)		730%				
DOMINANT SPECIES						

4. VEGETATION CONDITION

Comments

excellent
local patches weedy grasses

E. yilg. (greastock 1-2m, Smith grey)

Euc. sp. (copy) 1 bud, 1 gen (vs)
Euc erythronema var majuscula (smooth bark, plum - white)

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No 14920 81
Date 22-4-99

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-
- Column 4 identification check

TICK if species flowering

TREES			No			FI			ID			SHRUBS (cont.)		
												Hyalochlamys glaberrima		
												Lemooria murkettii		
												Gardenia bernardiana		
												Rhodanthe pygmaea		
												Centropogon cephaliformis		
												Triglochin albidum		
												Hypochaeris glabra		
												Crassula pedicellata		
												Urosia anthem		
												Thysanotus spec		
												Brachycome perpusilla		
												Ceratophyllum demersum		
												SEDGES		
												Arctotheca calendula		
												Lobelia (red)		
												Podolepis canescens		
												Calotis hispida		
												Plantago hispida		
												Wahlgrenia prostrata		
												Phyllanthus paradoxus		
												Ptilotus		
												Waitzia ? aurea/nitida		
												Rhodanthe laevis		

MALLEES			No			FI			ID			GRASSES		
Euc. subangusta ssp subangusta												Stipa trichophylla		
Euc. yildgorensis												Eriophora longistylis 30/8		
												Bromus diandrus		
												Pentstemonis airo		
												Airo caruifolius		
												Vulpia myuros		
												HERBS		
												Eriophyllum ramosum 30/8		
												Urtica acuminata		
												Hydrocotyle medicago		
												Mollisia tenuifolia		
												Ptilotus gaudichaudii		
												Trachymene cyanopet		
												Chthonocaulis pseudovax		
												Velleia cyanopet		
												Podolepis lepperi		
												Zaluzhnykia divaricata		
												Crassula colorata		
												Calandrinia granulifera		
												Isotopsis gramin		

SHRUBS			No			FI			ID			SEDGES		
Olearia mulleri												Arctotheca calendula		
												Lobelia (red)		
												Podolepis canescens		
												Calotis hispida		
												Plantago hispida		
												Wahlgrenia prostrata		
												Phyllanthus paradoxus		
												Ptilotus		
												Waitzia ? aurea/nitida		
												Rhodanthe laevis		

TREES			No			FI			ID			SHRUBS		
Acacia chrysella												Olearia mulleri		
Bronia ericifolia												Acacia chrysella		
Leucopogon												Bronia ericifolia		

14

30/8/79/42920/01

- ✓ *Eremophyll. racem*
- ✓ *Waitz. acum*
- ✓ *Hydroc. medicag*
- ✓ *Millotia tenuiflora*
- ✓ *Hilotus gaudich*
- ✓ *Trachym. cyanop*
- ✓ *Ehrharta longifl*
- ✓ *Chthonoceph. pseud*
- ✓ *Vellera cycnop*
- ✓ *Podolepis / tepen*
- ✓ *Zalusnuykia clivar*
- ✓ *Crassula colorata*
- ✓ *Calandrinia gramin*
- ✓ *Isoetopsis gramin*
- ✓ *Actinophloe uligin*
- ✓ *Angianthus (bobbie)*
- ✓ *Lemooria bukittii*

Hydrocarys globifera

Goodenia brand

45

- ✓ *Rhodalepis*
- ✓ *Hydroc. demissus*
- ✓ *Centrolepis / nana*
- ✓ *Triglochin calcit*
- ✓ *Hypoch. glabra*
- ✓ *Bromus diandrus*
- ✓ *Crassula pedicellata*
- ✓ *Ursinia anth*
- ✓ *Thys. spect*
- ✓ *Brachycarpus glau*
- ✓ *Cratogeomys obion*
- ✓ *Adiantum calend*
- ✓ *Lobelia (red lvs)*
- ✓ *Pentastichis air*
- ✓ *Podolepis canesc*
- ✓ *Calotis hispid*
- ✓ *Plantago hispidal*
- ✓ *Olearia muelleri*

15) 14290/01 Airu cary
 Vulpia myuros
 * Olearia mutellii
 Wahlenbergia parens
 Phyllang paradox
 Ptilotus?
 Waitzia aurea/nitida
 Rhodanthe laevis

~~1st 1st~~
~~93672625~~
~~Bigby Ground~~

46

~~12000g~~
~~0901 1266 80~~
~~08 9971 1060~~
~~08 9387 9733~~
~~5-7 13/14/15/16~~
~~Tone River~~
~~Hotel/Motel: 08 9881/1008~~
~~Hotel: 08 9881/1899~~
~~Mount Border:~~

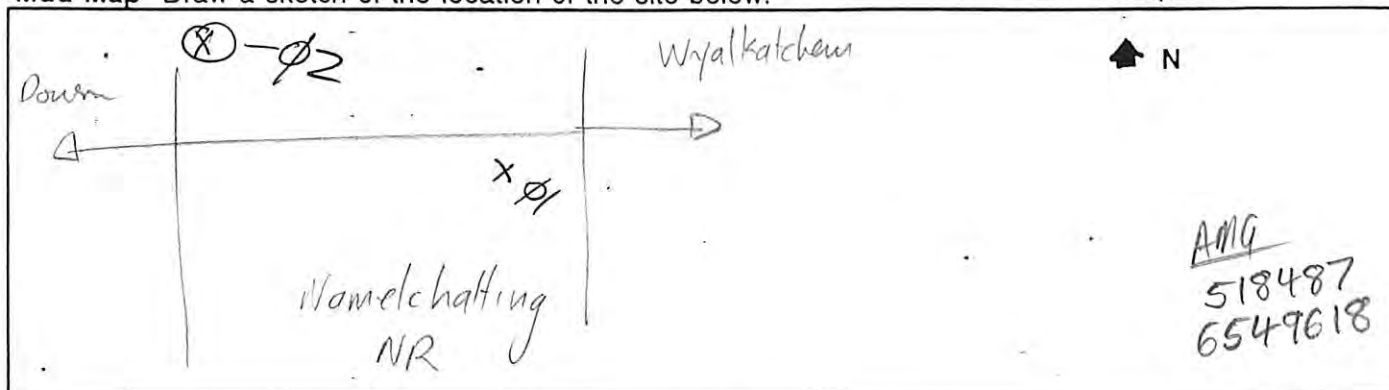
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA NAMEL SITE NUMBER Ø1
 DATE TRIP 22-4-99 RECORDERS GK/AW/NG
 DATE TRIP 30/8/99 RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

1. LOCATION of the QUADRAT

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

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

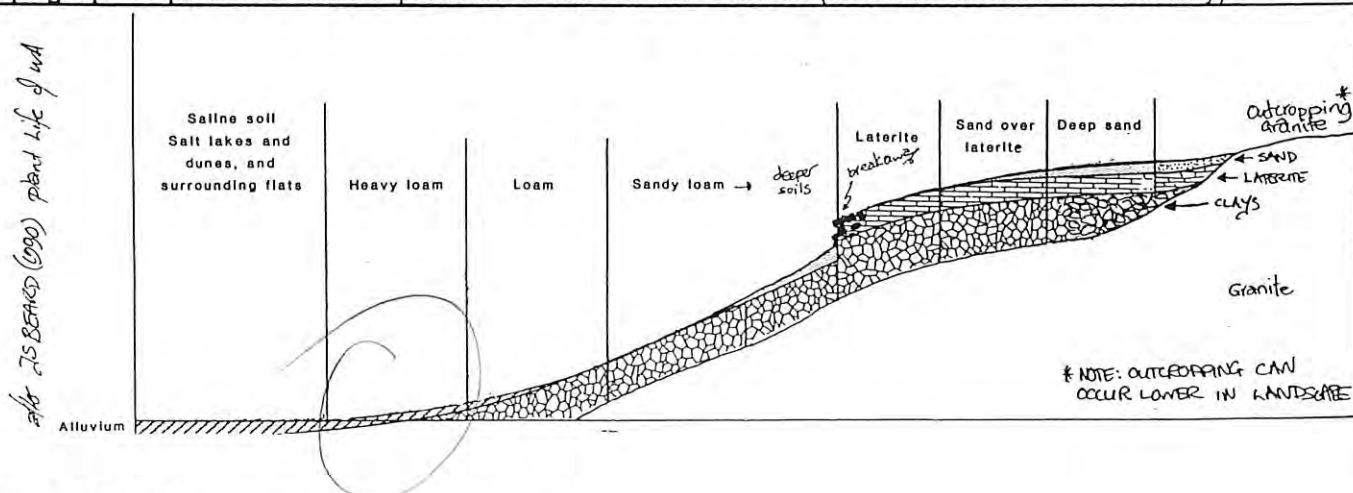


Road Location

Geographic Location Latitude 31 11 14.1 S Longitude 117 11 38.5 E Altitude _____
 Reference Map _____

Photograph Photographer's Name NG Photo No 23

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



2. SITE DATA Circle the correct response.

Slope	<u>flat</u>	gentle	steep	Aspect	N	NE	E	SE	S	SW	W	NW
Surface Soil	<u>clay loam</u>						Colour <u>brown</u>					
Exposed rock	type						% surface					
Sub-surface Soil	<u>clay</u>						Colour <u>brown</u>					
Rock	type						depth to rock					
Drainage	well	<u>mod</u>	poor	depth water	cm	Wet	all year	winter/spring				
Litter	logs, twigs, lvs, bark	% cover	<u>70/90</u>	Bare Ground	<u>10/20</u>	% cover						
	Depth <u>2-30</u>	cm										

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					
	over 15m	5-15m	under 5m	over 8m	under 8m
LIFE FORM					
COVER CLASS (%)	2/10				
DOMINANT SPECIES	<i>Euc. salubris</i> <i>Euc. salmonoph</i>				
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	42			30/40	
DOMINANT SPECIES	<i>Exocarp. aphyll</i>			<i>Oleaia. muell</i> <i>Rhaa drum</i> <i>Sclerolaena</i>	
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	10/20	?			
DOMINANT SPECIES	<i>Danthonia</i> <i>stipa eleg</i> <i>trickoo</i>				

4. VEGETATION CONDITION

Comments

very - good excellent , old tracks
logged ca 40 yrs b/f

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No	NAMAL 01
Date	22-4-99

Record on Sheet

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

[illegible]

(13)

30/8/99

NAMAL 01

- Trachym cyanop
- Podolepis lepperi
- * Olear muelleri
- Eremop. ionantha
- Eriochil dilat
- Arteropod. capill
- Eremophyllum racem
- Brunnera divindus
- Calandrinia calyptrata (VSP)
- Ehretia longifl
- Trachym ornata
- Acacia hemites
- Danthonia
- Brunnera madritensis
- Acacia acutata
- * Ac. erinac
- * Dodonaea

- * Scaevola diae
- * Lepidosperma

44

- Arctotheca calend
- * Rhag drumm
- * Eriocarp aph
- * Eriochil torn
- * Templetonia sulcata
- * Stipis eleg
- Maiveana marginata
- Erem Romul. rosea
- Wammba ferella
- Calotis hispid
- Rhodanthe laevis
- Goodenua brevifl
- Avena barbata
- Lobelia (red lvs)
- Hyalospermum glutinos

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA NAMEL SITE NUMBER 02
 DATE TRIP 22/4/99 RECORDERS AW/NG/GK
 DATE TRIP 30/8/99 RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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



NAMEL CHA CHEM NR

Road Location

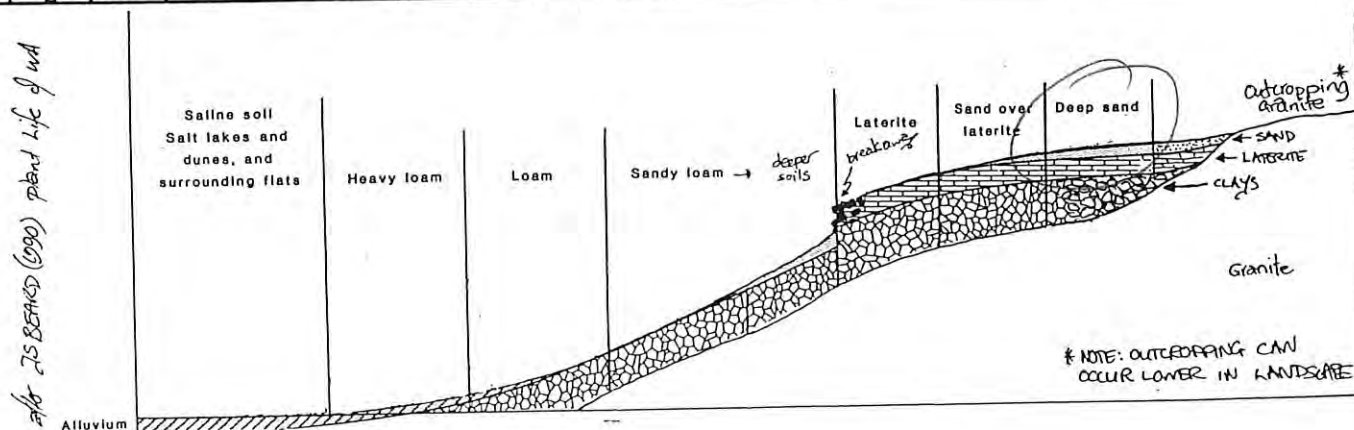
Geographic Location Latitude 31 10 43.9 S Longitude 117 11 27.8 E Altitude

Reference Map

Photograph Photographer's Name NG

Photo No 24

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



2. SITE DATA Circle the correct response.

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

Surface Soil sandy clay Colour yellow-pale
 Exposed rock type _____ % surface _____

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

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

Litter leaf, twigs, lvs % cover 30/50 Bare Ground 19/20 % cover
 Depth 2-20 cm

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	
LIFE FORM					
COVER CLASS (%)	10/20				
DOMINANT SPECIES	<i>Euc. Capillosa</i>				
MALLEES					
over 8m		under 8m			
LIFE FORM					
COVER CLASS (%)					
DOMINANT SPECIES					
SHRUBS					
over 2m		2m - 1.5m		1.5 - 1m	
LIFE FORM					
COVER CLASS (%)					
DOMINANT SPECIES					
SHRUBS					
over 0.5m		under 0.5m			
LIFE FORM					
COVER CLASS (%)		2/10			
DOMINANT SPECIES		<i>Acacia dampiera</i>			
GRASSES					
over 0.5m		under 0.5m			
LIFE FORM					
COVER CLASS (%)	10/20	30/50			
DOMINANT SPECIES	<i>Stipa tricho</i> <i>Danthonia</i>	<i>Borja spharoc</i>			
SEDGES					
over 0.5m		under 0.5m			
LIFE FORM					
COVER CLASS (%)	< 2	2-10			
DOMINANT SPECIES		<i>Lom. diffusa</i>			

4. VEGETATION CONDITION

Comments

excellent

20720

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No NAMEL 02

Date 22-4-199

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

same

SITE No NAMEL 02		Record on		Column 2	plant	Column 3	flowering time- TICK if species flowering	Column 4	identification check	HERBS (cont.)			No	FI	ID		
Date 22-4-199				TREES		No		FI		ID							
Euc capillosa												Thysanotus patersonii					
												Chamaecilla corymbosa					
												Podolepis capensis					
												Drosera rotundifolia					
												Podolepis angust					
												Waitzia aemulata					
												Gardenia hercynica					
												Lecanella fimbriata					
												Brickellia ciliolata					
												Liriodendron latifolium					
												Guinetia ulmifolia					
												Lobelia sp. (fruit)					
												Ophioglossum coriaceum					
												SEDGES					
												Lomandra effusa					
												Loxocarya asper					
												Lepidobolus chert					
												Schwennia clandest					

(12)

~~Hand Ø2~~
~~Drosera macrantha~~
~~stylis repens~~
~~ptilopus poyst~~
* ~~Rhagad drumm~~

20/8/99

NAME L Ø2

1 hys. pat

- * Hypoch. glabra
- Chaemascilla arym
- * Asteropi capill
- * Urtica lanth
- * Podol. capellares
- " canescens
- ~~Drosera stolonifera~~
- Podotheca angust
- Waizgia acum

Goodenia berardiana
heporella fimbria 43

- ✓ ✓ Brachycone ibericus
- ✓ ✓ Divar. parvifolia (BSP)
- * Dianella revoluta
- * Alyxia bux
- * Gomph. (yellow)
- Quinetia univell
- ✓ Calandrinia sp - no fruit
- * Acacia lasiocarpa
- ✓ Ophiogloss. coriace
- * Stipa trichop
- * Neorachne alop
- * Amphip. strict
- * Stipa elegant
- Podotrocha gnaph.
- * Schoenus v. claud
- * Conespermum integr
- * Barya sphaerocarp

TR17

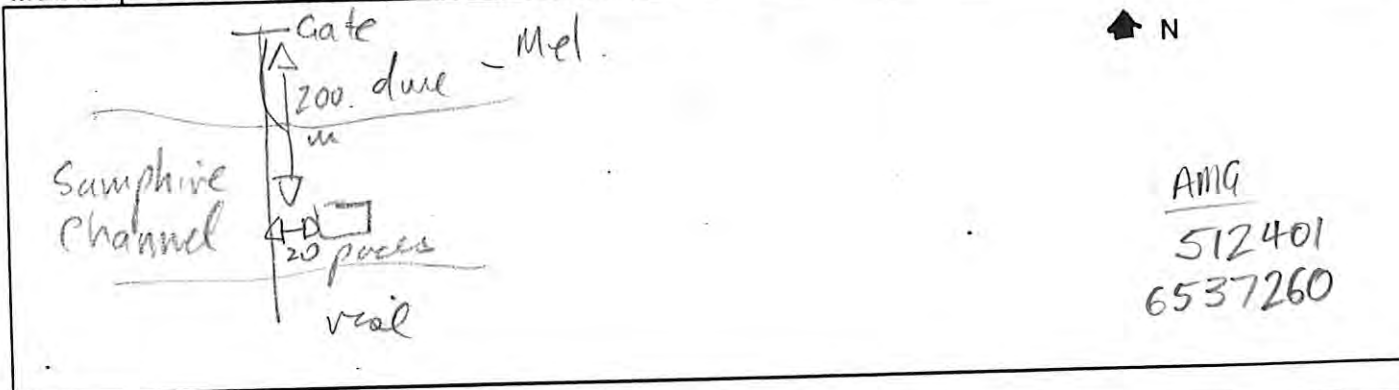
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA HIND SITE NUMBER 01
 DATE TRIP 22-4-99 RECORDERS AW/NG/GK
 DATE TRIP - underwater - RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST * doesn't have notebook lists as with the rest

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

1. LOCATION of the QUADRAT

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

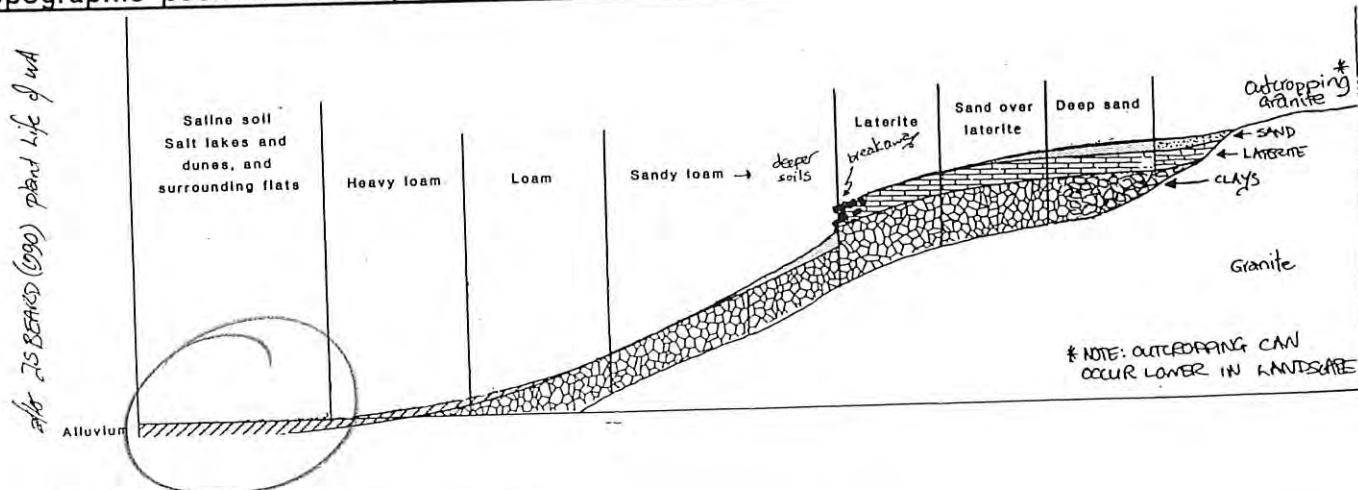


Road Location

Geographic Location Latitude 31 17 55.8 S Longitude 117 07 49.1 E Altitude 2.4
 Reference Map

Photograph Photographer's Name NG Photo No 25

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



2. SITE DATA Circle the correct response.

Slope	<u>flat</u>	gentle	steep	Aspect	N	NE	E	SE	S	SW	W	NW	
Surface Soil				Colour	<u>grey</u>								
Exposed rock		type	<u>clay</u>	% surface									
Sub-surface Soil				Colour	<u>grey</u>								
Rock		type	<u>clay</u>	depth to rock									
Drainage	well	mod	<u>poor</u>	depth water	cm	Wet	all year	<u>winter/spring</u>					
Litter	<u>1/4</u>	% cover	<u>10</u>	Bare Ground	<u>50</u>	% cover							
	Depth	<u>2m</u>	cm										

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	5-15 m	under 5 m	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 (%)					30/50
DOMINANT SPECIES					Halosarcia indica " haloen

	GRASSES	HERBS	SEDGES over 0.5m	under 0.5m
LIFE FORM				
COVER CLASS (%)	21 @ 20	20		
DOMINANT SPECIES	Poa phloea	Stellaria rubra		

4. VEGETATION CONDITION

Comments

same weed invasion

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

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

Column 1 plant name

5. SPECIES PRESCENCE

SITE No HIND 01
Date 22-4-1999

Record on Sheet

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

[illegible]

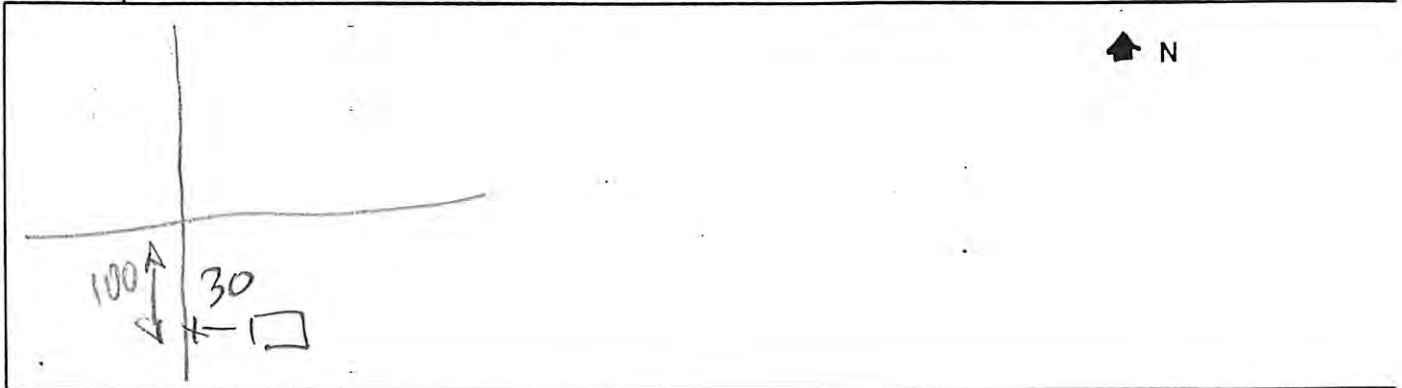
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA HIND SITE NUMBER 02
 DATE TRIP 22-4-99 RECORDERS AW/NG/GK
 DATE TRIP 27/8/99 RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

1. LOCATION of the QUADRAT

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

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

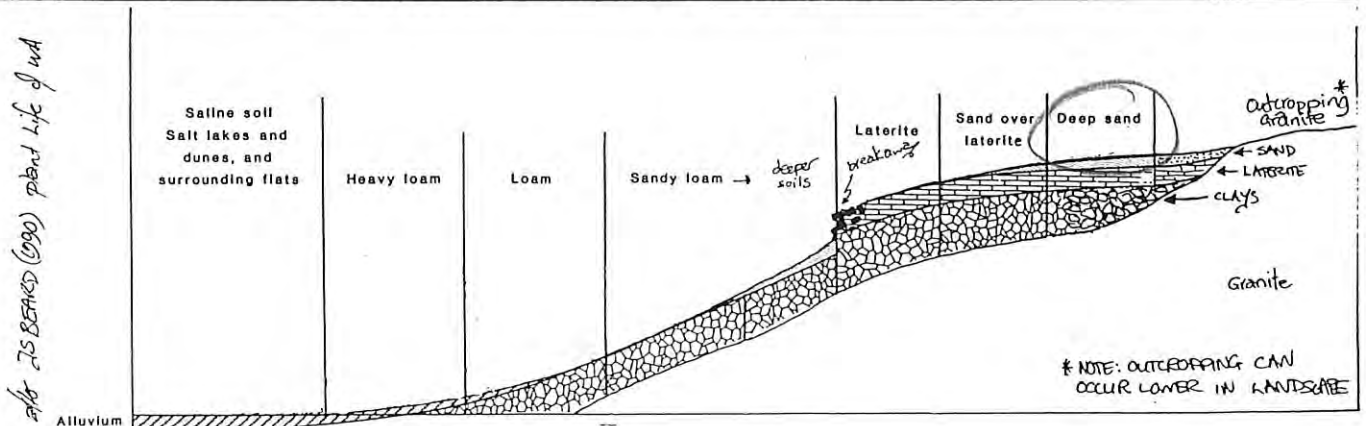


Road Location

Geographic Location Latitude 31° 19' 08.3S Longitude 117° 07' 46.6E Altitude 3.0
 Reference Map

Photograph Photographer's Name NG Photo No 26

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



2. SITE DATA Circle the correct response.

Slope	<u>flat</u>	gentle	steep	Aspect	N	NE	E	SE	S	SW	W	NW	
Surface Soil	<u>sand</u>				Colour	<u>yellow</u>							
Exposed rock	type				% surface								
Sub-surface Soil	<u>sand</u>				Colour	<u>yellow</u>							
Rock	type				depth to rock								
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet	all year		winter/spring				
Litter	<u>twigs, lvs</u>				% cover	<u>20</u>				Bare Ground	<u>50</u>		
Depth	<u>0, 2-5</u>				cm					% cover			

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 (%)					
DOMINANT SPECIES					

SHRUBS			SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2/10	2		10/20	16/20
DOMINANT SPECIES	Actinostrob	Gravill astro		Yak brown Grav. apic	Comesp. scop

GRASSES		HERBS		SEDGES	
	over 0.5m			over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2/10			10/20	10/20
DOMINANT SPECIES	Stipa eleg			E	Ecdioc. Mon Lepid. charp

4. VEGETATION CONDITION

Comments

disturbed (? partially rolled)
in past

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 HIND 02

Record on Sheet

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

Date 22-4-99

[illegible]

①

MVHR 11

24 39 06.7

114 39 18.9

* purpose → 2.8
unknown

14/NO Ø2 30/8/99

Trachymene cyanop

Podother. angust

* Laxmann polleae

* Podolep capillares

Ursinica anth

Hypoch. glabra

Vert. roei 42

Vert piete

* Podothera gnaph

* Stipa eleg

* Vertic. grandiflora

* Grevill integ/didym

"

✓ " (hookeriana) hak

* Vertic serotia

* Glycerh aureum

Rhod. mangles

Osteosperm claudesl

Erod. cygn

Quinetia urvill

Blennosp drumm

Bromus diandrus

Aristida ? ram/cut

(12)

HIND 02

Drosera macrantha

stylid repens

Philotus polyst

* *Rhagad drumma*

20/8/99

~~NAMEL 02~~

~~Phys. part~~

* ~~*Hypoch. glabra*~~

~~*Chaenascilla corym*~~

* ~~*Asterop. capit*~~

* ~~*Ursinia anth*~~

* ~~*Podol. capellans*~~

~~*U. curvatus*~~

~~*Ornith. stolonifera*~~

~~*Podothec. angust*~~

~~*Waitzia acum*~~

~~*Woodenia brachyandra*~~

~~*heporella fimbria*~~ 43

~~*Brachycon ihering*~~

~~*Diures (parvifolia)*~~

* ~~*Dianella beval*~~

* ~~*Alyxia bux*~~

* ~~*Gomph. (yellow)*~~

~~*Quinetia urvil*~~

~~*Calandrinia*~~

* ~~*Acacia laeta*~~

~~*Ophrogloss coriae*~~

* ~~*Stipa trichop*~~

* ~~*Nebrachne atop*~~

* ~~*Amphip. strict*~~

* ~~*Stipa elegant*~~

* ~~*Podotheca gnaph*~~

* ~~*Schoenus veldand*~~

* ~~*Conesperm. integ*~~

* ~~*Bergia sphacel*~~