

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DU SITE NUMBER 01
 DATE TRIP 2-5-1999 RECORDERS AW/NG/GK
 DATE TRIP 14-10-99 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

NORM

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



Road Location

NALLIA Nature Reserve

Geographic Location Latitude

NORM

S Longitude

E Altitude

Reference Map

Photograph

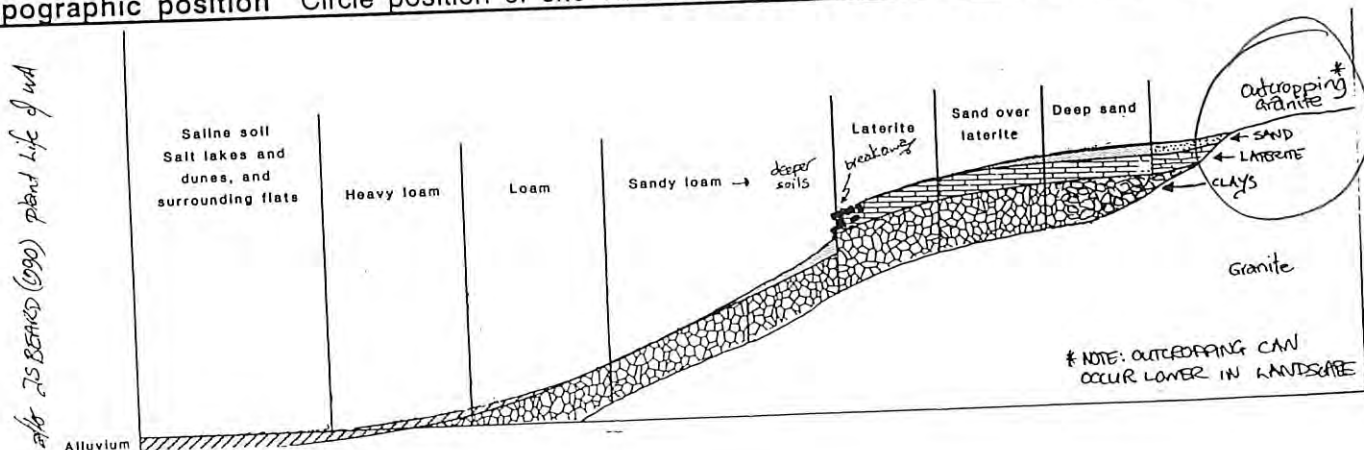
Photographer's Name

N Gibson

Photo No

14

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 brown
 Exposed rock type % surface

Sub-surface Soil granite Colour
 Rock type depth to rock 0-20cm

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

Litter dead leaves, twigs % cover 90/100 Bare Ground 0 %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 (%)	2	30/70			
DOMINANT SPECIES	<i>Euc. wandoo</i>	<i>Allocas. hueg</i>			

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

GRASSES		HERBS		SEDGES		
	over 0.5m		under 0.5m			
LIFE FORM	 	   	  	  		
COVER CLASS (%)	10/30	2/10	30/70			
DOMINANT SPECIES	<i>Briza max</i>	<i>Chelantia -</i> <i>austro</i>	<i>Lepidosperm visc</i>			
		<i>Ursinia anth</i>				

4. VEGETATION CONDITION

Comments

many annual grasses - ? past
grazing - poor

5. SPECIES PRESCENCE

 SITE No DU 01
 Date 2-5-1999
 14-10-1999

 Label each plant with plants number, site code, date and
 Record on Sheet

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

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

plant's name or working name if required

20x20

Same

TREES

 Euc wandoo
 Allocas huegeliana

MALLEES

SHRUBS

Jacksonia sternberg

SHRUBS (cont.)

GRASSES

 Avena barbata
 Austrostipa elegant
 Briza max

HERBS

 Phyllanthus austro-tenuif
 Ursinia anthem
 Lobelia githbosa
 Hypochaeris alabra
 Trachym pilosa
 Thysanotus pat/mang

HERBS (cont.)

 14/10/99
 X Laurenciella davenp
 X Wartzia citrina
 X Phyllanthium paradox
 X Dianella revoi
 X Gonocarpus nodulosus
 X Wahlenbergia preissi
 X Trachym cyanop
 X Arra coryophyll
 X Pterostylis vittata
 X Stenobospha drumm
 X Caladenia flava
 X Centrolepis drumm

SEDGES

 X Lepidosperma (visc/drum) resin osun
 X Lepidosperma cortula

14/10/99

 X Hydrocotyle rugulosa
 X Neurachne alopecuroid
 X Centrolepis pilosa
 X Aphelila drummondii
 X Trachym ornata
 X Drosera glandulig

BUSHLAND PLANT SURVEY RECORDING SHEET 1 - use pencil only

BUSHLAND AREA Dumbleyung (OU) SITE NUMBER 02

DATE TRIP 13-10-1998 RECORDERS AW/NG/GK

DATE TRIP 3-5-99 RECORDERS _____

DATE TRIP _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

NORM

Road Location

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

Photograph	Name	Number
	NG	16

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	loam	Depth to Rock	> 1m	Colour	red-brown
--------------	------	---------------	------	--------	-----------

Exposed Rock	type	☐	% surface cover	size range
--------------	------	-----------------------	-----------------	------------

Litter	stems, lvs, twigs	% surface cover	50	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

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

3. VEGETATION STRUCTURE AND COVER

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

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

	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>Hakea preissii</i>				

	GRASSES	HERBS	SEDGES	SEDGES
			over 0.5m	under 0.5m
LIFE FORM				
COVER CLASS (%)	10-30	10-30-70		
DOMINANT SPECIES	<i>Danthonia</i> <i>Stipa trichop</i> <i>Neurachne</i>	<i>Borua laciniata</i> <i>Moss</i> <i>Ursinia anth</i>		

4. VEGETATION CONDITION

Comments

good - to poor
- areas heavy annual grassy weeds

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No DU 02

Date 13 - 10 - 1999

3-5-99

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

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

Record on Sheet

- Column 1 plant name
- Column 2 plant number

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

[illegible]

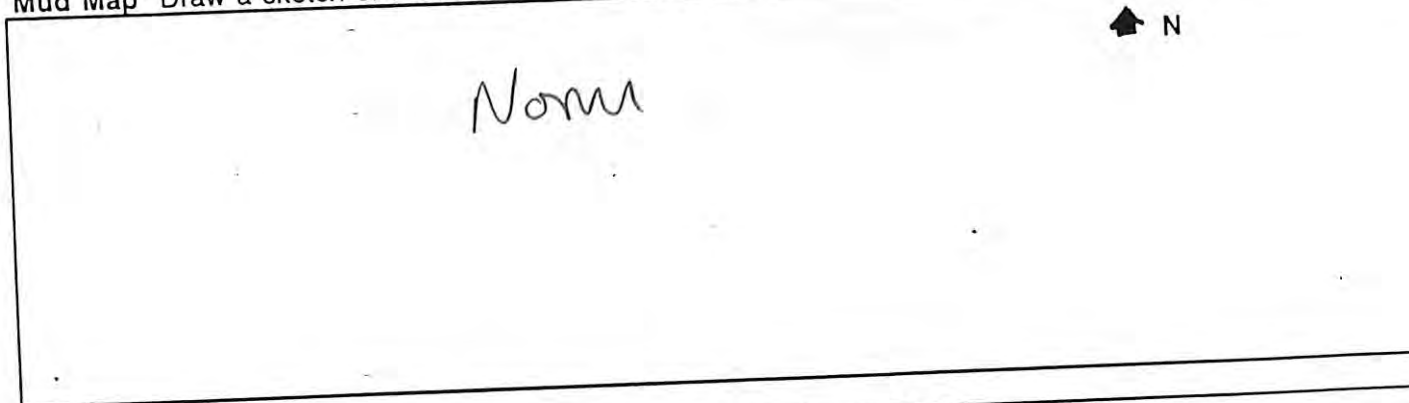
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DU SITE NUMBER 03
 DATE TRIP 3-5-99 RECORDERS AW/NG/GK
 DATE TRIP _____ RECORDERS _____
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

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

1. LOCATION of the QUADRAT

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



Road Location

Donkolorking NR

Geographic Location Latitude

NORM

S Longitude

E Altitude

Reference Map

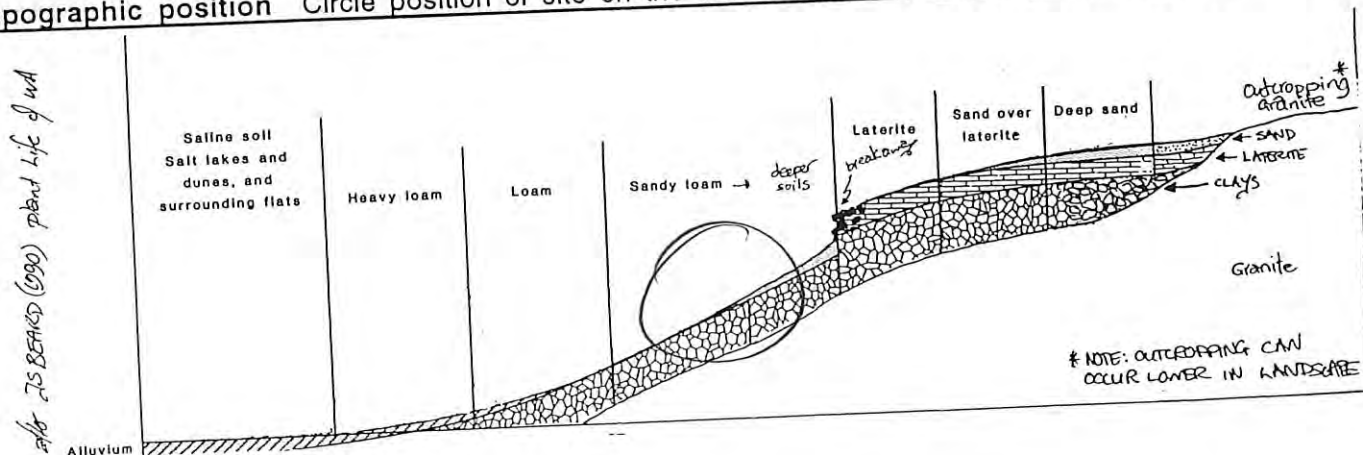
Photograph

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	<u>gentle</u>	steep	Aspect	N	NE	E	<u>SE</u>	S	SW	W	NW
Surface Soil				Colour	<u>brown</u>							
Exposed rock	type <u>clay</u>			% surface								
Sub-surface Soil				Colour								
Rock	type <u>clay</u>			depth to rock								
Drainage	well	<u>mod</u>	poor	depth water	cm	Wet	all year	winter/spring				
Litter	<u>twigs, lvs, logs</u>			% cover	<u>30-70</u>			Bare Ground	<u>30/40</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 (%)	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	2
DOMINANT SPECIES	Mel. uncinata Ac. acutum			Gastrol. parv Xanth. drumm	Acacia lasio Astroloma
	GRASSES		HERBS	SEDGES	over 0.5m
					under 0.5m
LIFE FORM					
COVER CLASS (%)	L2		L2		2
DOMINANT SPECIES	N. alopec		Lom. effusa		Lepidosperma

4. VEGETATION CONDITION

Comments

excellent

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20x20

5. SPECIES PRESCENCE

SITE No DU 03
Date 3-5-1999
13-10-99

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

same

				HERBS (cont.)				No	FI	ID
TREES				SHRUBS (cont.)				No	FI	ID
Euc. wandoo										

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DU SITE NUMBER 04
 DATE TRIP 3-5-1999 RECORDERS AW/NG/GK
 DATE TRIP 13-10-99 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.



NORM

Road Location

Dongolooking NR

Geographic Location Latitude

NORM S Longitude

E Altitude

Reference Map

Photo No 20

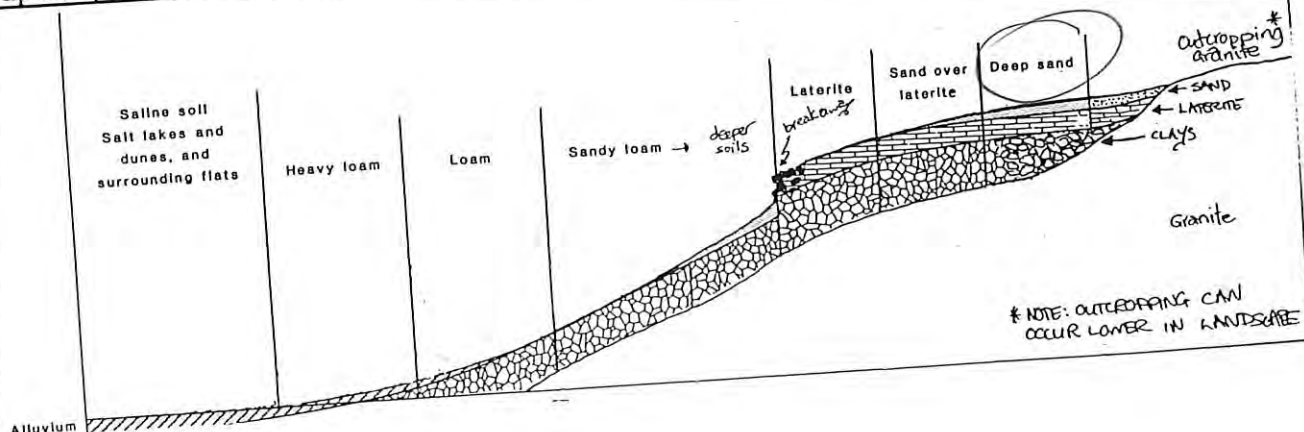
Photograph

Photographer's Name

NG

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

after 25 BEARDS (1990) plant life of WA



2. SITE DATA Circle the correct response.

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

Surface Soil

sand

% surface

Colour

yellow

Exposed rock

type

Sub-surface Soil

sand

depth to rock

Colour

"

Rock

type

Drainage well mod poor depth water

cm

Wet all year

winter/spring

Litter

lvs, twigs

% cover

30/50

Bare Ground

20/50

%cover

Depth

2-20

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.

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 (%)			2-10		
DOMINANT SPECIES			<i>Banksia attenuata</i>		
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	SHRUBS under 0.5m
LIFE FORM					
COVER CLASS (%)		30/70			2-10
DOMINANT SPECIES		<i>Leptop. ericif.</i> <i>Leptosperm. sub</i> <i>Banksia sphar</i>			<i>Petr. brevif.</i>
GRASSES		HERBS	SEDGES	over 0.5m	
LIFE FORM					
COVER CLASS (%)	L2	L2		2/10/30	
DOMINANT SPECIES				<i>Mesom. laevis</i> <i>Caustis d. d. d.</i>	

4. VEGETATION CONDITION

Comments

excellent

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No DU 04
- 1 - 1999

Date 3-3-1111
110-1999

BUSHLAND PLANT SURVEY

Label each plant with plants number, site code, date and
Record on Sheet

- Column 1 plant name
- Column 2 plant number

- Column 1 plant name
 - Column 2 plant number
 - Column 3 flowering time- TICK if species flowering
 - Column 4 identification check
- | No | Fl | ID | |
|----|----|----|--|
| | | | |

TICK if species flowering

check

[illegible]

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA D. U SITE NUMBER 05
 DATE TRIP 2-5-1999 RECORDERS AW/NG/GK
 DATE TRIP 13-10-1999 RECORDERS ---
 DATE TRIP --- RECORDERS ---
 BOTANIST ---

1. LOCATION of the QUADRAT

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

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



NORM

Road Location

LAKE DUMBLEYUNG

Geographic Location Latitude

NORM

S Longitude

E Altitude

Reference Map

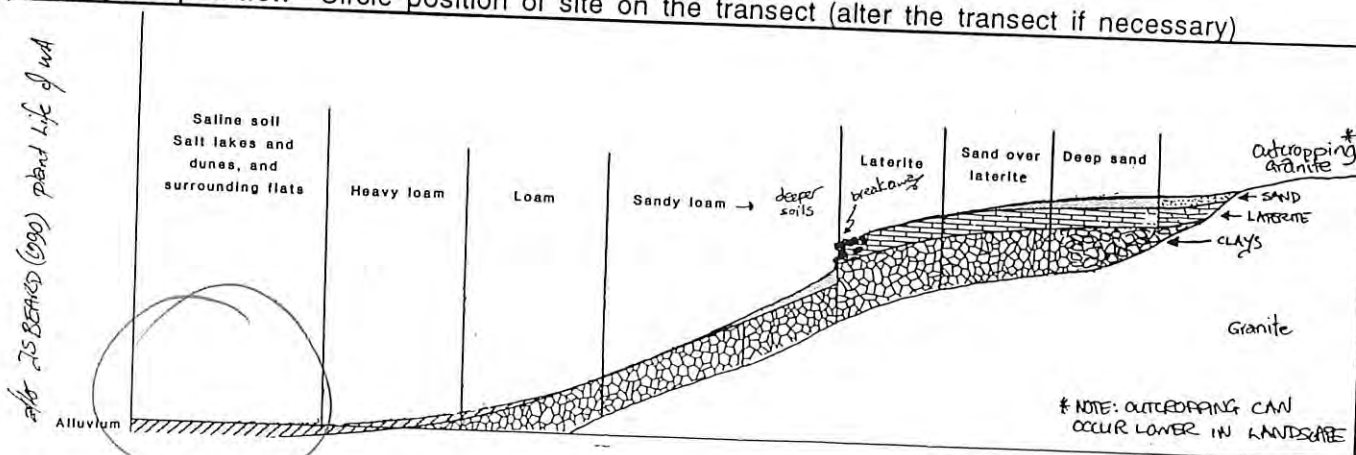
Photograph

Photographer's Name

NG

Photo No 16

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

Exposed rock type

saline clay

% surface

Colour

Sub-surface Soil

Rock type

clay

depth to rock

Colour

Drainage well mod poor depth water

cm

Wet all year

winter/spring

Litter

+twigs

Depth 2 cm

% cover

10/30

Bare Ground

30/70

%cover

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

3. VEGETATION STRUCTURE AND COVER

3. VEGETATION STRUCTURE AND COVER

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

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

Cover Class		2-10%	10-30%	30-60%	60-90%
		TREES			MALLEES
		over 15m	5-15m	under 5m	over 8m under 8m
LIFE FORM					
COVER CLASS (%)		L2			
DOMINANT SPECIES		Dead Cas obesa			
		SHRUBS			SHRUBS
		over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m under 0.5m
LIFE FORM					
COVER CLASS (%)					10/30
DOMINANT SPECIES					Halosarcia halocn " indica
		GRASSES	HERBS	SEDGES	SEDGES
				over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	L2	L2			
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments

salted

20x20

name if required

same

BUSHLAND PLANT SURVEY RECORD

Label each plant with plants number, site code, date and	Column 1	plant name
Record on Sheet	Column 2	plant number

Record on Sheet

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

Date 13-10-1999

Date 2-5-1999 13-10-1999			• Column 3 flowering time- tick if species • Column 4 identification check			HERBS (cont.)			No	FI	ID
TREES			No	FI	ID	HERBS (cont.)			No	FI	ID
dead Casuarina obesa						13-10-1999					
						x Sonchus oleraceus					
						x Lolium rigidum					
						x Arctotheca venusta					
						x Bromus hordeaceus					
						x Hordeum leporinum					
						x Puccinellia striata					
						x Parapholis incurva					
						x Bromus diandrus					
						x Mysembryanth nodifl					
MALLEES			GRASSES			SEDGES					
SHRUBS			HERBS								
Halosarcia doliformis - reginaulata group			Spergularia rubra								
Halosarcia doliformis (USA)											
Sarcocornia quinquefolia											

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DU SITE NUMBER 06
 DATE TRIP 2-5-1999 RECORDERS AW/NG/GK
 DATE TRIP 13-10-1999 RECORDERS 1
 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.



NORM

Road Location

NORM

LAKE DUMBLEYUNG NR

Geographic Location Latitude

S Longitude

E Altitude

Reference Map

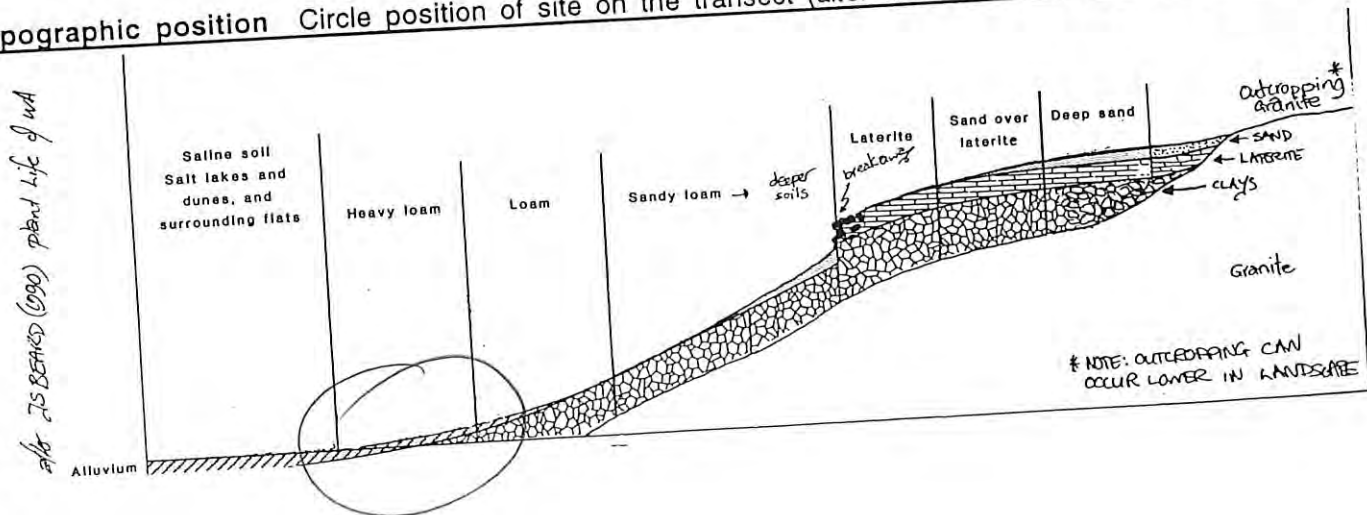
Photograph

Photographer's Name

N Gibson

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>sandy clay</u>	% surface	Colour <u>brown</u>
Exposed rock	type		
Sub-surface Soil	<u>clay</u>	depth to rock	Colour
Rock	type		
Drainage	well <u>mod</u> poor	depth water	cm Wet all year winter/spring
Litter	<u>ANN'S</u> twigs, lvs, logs	% cover	<u>30/70</u>
Depth	<u>2-5</u> (log) cm	% cover	<u>70/90</u>
Bare Ground	<u>20</u>	% cover	<u>10</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						30m	10m
COVER CLASS (%)	L2	10/30					
DOMINANT SPECIES	Dead Euc. occident	Euc. Ioxophleba Cas. obesa					
SHRUBS							
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)	2				2/10		
DOMINANT SPECIES	Hakea preissii				Halosarcia indica Dysphyma clavell		
GRASSES							
	HERBS	SEDGES	over 0.5m	under 0.5m			
LIFE FORM					1m		
COVER CLASS (%)	2/10	2					
DOMINANT SPECIES	Stipa eleg	Ursinia anth					

4. VEGETATION CONDITION

Comments overstory trees (E. occ/E. Ioxophleba/
Eucalyptus dead)

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20x20

5. SPECIES PRESCENCE

SITE No DU 06

Date 2-5-1999

13-10-1999

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

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

E. loxophleba
E. wandoo

SITE No DU 06		Record on		plant		flowering time- TICK if species flowering		E. 13-10-99		No	FI	ID		
Date 2-5-1999				Column 3		identification check								
13-10-1999				Column 4										
TREES		No	FI	ID	SHRUBS (cont.)		No	FI	ID	HERBS (cont.)		No	FI	ID
Euc. occidentalis (dead)										13-10-99				
Casuarina alba (overdied + 11.10)										X Holium perenne (VSR)				
										X Ehrharta longiflora				
										X Porenceless multifolia				
										X Lycopodium 3 drum (VSR)				
										X Xanthoxanthus bipinnata				
										X Bromus inermis				
										X Briza maxima				
										X Centropogon polygama				
										X Schoenus nardus				
										X Apium annuum				
										X Lysanderis setifolia				
										X Selinus hostaria A. sellin				
										SEDGES 13-10-99				
										X Sonchus oleraceus				
										X Drosera glanduligera				
										X Vulpia myuros				
										X Petalagria prolifera				
										X Arctotheca calendula				
										X Briza minor				
										X Comesperma integrum (VSR)				
										X Phyllanthus paradox				
										X Apollonia drummondii				
										X Juncus capitatus				
										X Triglochin minutiss				
										X Isoplexis marginata				
										X Calandrinia drummondii				
										X Thysanotus paterson				
										X Centropogon pilosa				
										X Triglochin calcarata				
										X Centropogon pilosus				
										X Bulbine semibarb				
										X Gram Monopsis simplex				

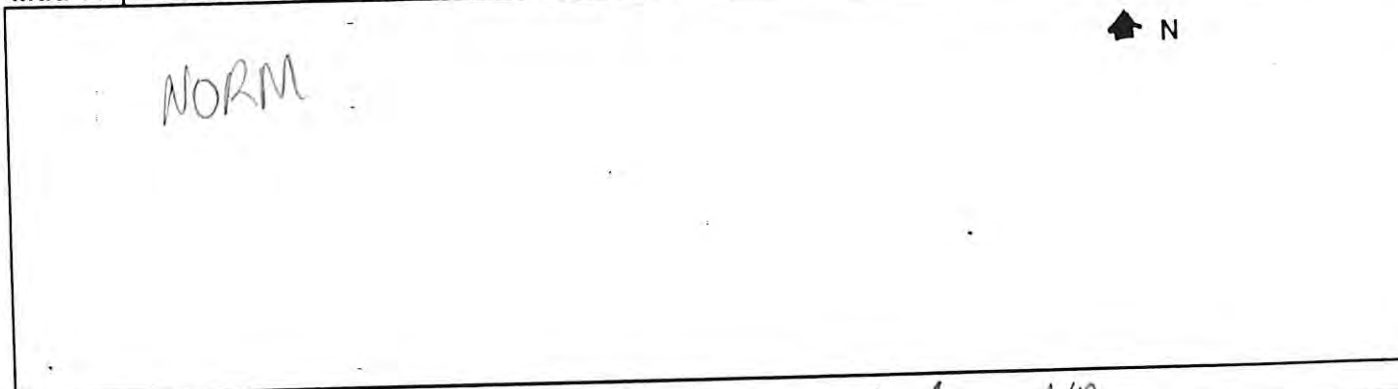
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA D.U SITE NUMBER 07
 DATE TRIP 4-5-1999 RECORDERS AW/NG/GK
 DATE TRIP 13-10-99 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

Coyrecup Lake NR

Geographic Location Latitude

S Longitude

E Altitude

Reference Map

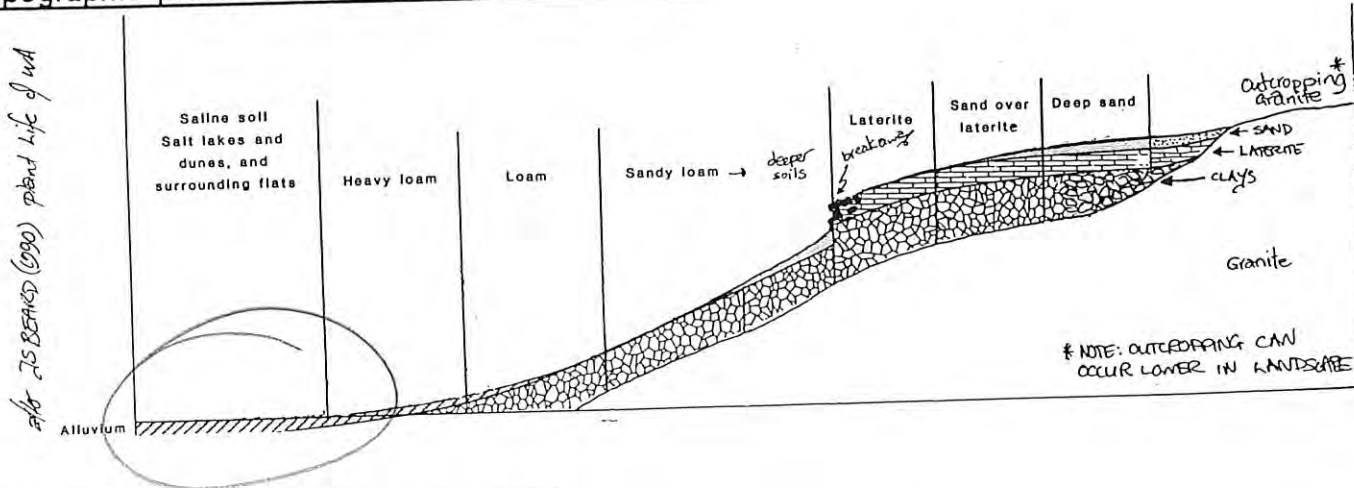
Photograph

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	<u>clay</u>	Colour	<u>grey</u>
Exposed rock	type	% surface	
Sub-surface Soil	<u>clay</u>	Colour	<u>grey</u>
Rock	type	depth to rock	<u>21m</u>
Drainage	well mod <u>poor</u> depth water	cm	Wet all year <u>winter/spring</u>
Litter	stems, logs, twigs, lvs % cover	<u>30/80/70</u>	Bare Ground %cover
Depth	<u>2-120</u> cm		<u>30/50</u>

excellent

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20x26

5. SPECIES PRESCENCE

SITE No DU 07

Date 4-5-1999

13-10-1999

BUSHLAND PLANT SURVEY RECORDING SHEET

Label each plant with plants number, site code, date and	Column 1	plant name
Record on Sheet	Column 2	plant number

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

name if required

same

Date <u>4-5-1999</u> <u>13-10-1999</u>				Column 3 flowering time- TICK if species flowering				Column 4 identification check				HERBS (cont.)				No	FI	ID		
TREES				No	FI	ID	SHRUBS (cont.)				No	FI	ID	HERBS (cont.)				No	FI	ID
												13/10/99								
												x <i>Calceolaphatus</i> Blennos								
												Eremophyllum racem								
												x <i>Aira corydophylla</i>								
												x <i>Podolepis</i> (Pessonii)								
												x <i>Gynandris setifolia</i>								
												x <i>Ulotoma scapigera</i>								
												x <i>Pogonolepis stricta</i>								
												x <i>Parapholis incurva</i>								
												x <i>Andalis arvensis</i> (blue)								
												x <i>Vulvula myuros</i>								
												x <i>Trifolium tomentos</i>								
												x <i>Comesperma integr</i>								
												SEDGES								
												x <i>Pentastichis airoides</i>								
												x <i>Apium annuum</i>								
												x <i>Hypochaeris glabra</i>								
												x <i>Parentucella latif</i>								
												x <i>Senecio gloss</i>								
												x <i>Sonchus oleraceus</i>								
												x <i>Goodenia pect</i> sp.								
												x <i>Opitula bipinn</i>								
												x <i>Crassula necta</i>								
												HERBS								
												x <i>Lrsinia anthemoides</i>								
												x <i>Crassula sieberiana - necta</i>								
												x <i>Atriplex nana</i>								
												x <i>Wellcia hispida</i>								

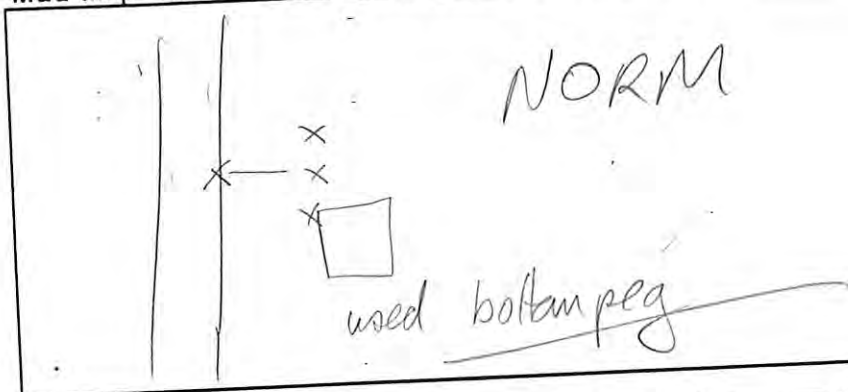
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DU SITE NUMBER 08
 DATE TRIP 4-5-1999 RECORDERS AW/NG/GK
 DATE TRIP 13-10-99 RECORDERS 11
 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

Coyrecup NR, Coyrecup Rd

Geographic Location Latitude

S Longitude

E Altitude

Reference Map

Photograph

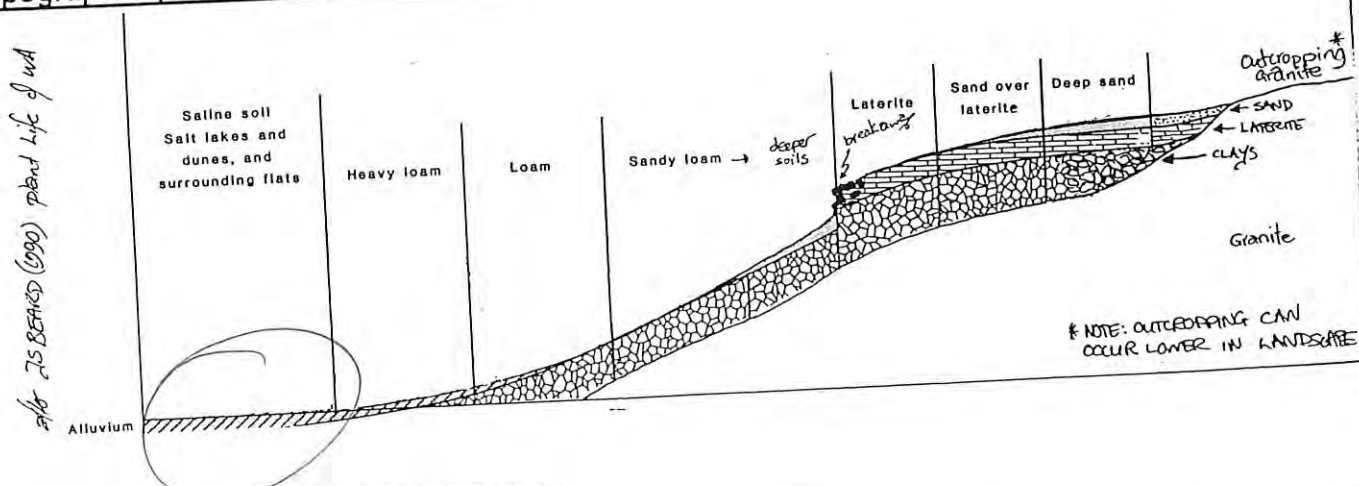
Photographer's Name

NGibson

Photo No

I

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>gray</u>								
Exposed rock		type	<u>clay</u>	% surface									
Sub-surface Soil				Colour	<u>gray</u>								
Rock		type	<u>clay</u>	depth to rock	<u>>1m</u>								
Drainage	well	mod	<u>poor</u>	depth water	cm	Wet	all year	<u>winter/spring</u>					
Litter	logs, twigs, dead herbs	% cover	<u>30/70</u>	Bare Ground	<u>50/30</u>	%cover							
Depth	<u>2-10</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.

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 (%)							Dead
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				30/70		
DOMINANT SPECIES	<i>Melo. viminea</i> <i>M. lateriflora</i> <i>M. quadriflora</i>				<i>Halosarc. holica</i>		
GRASSES		HERBS		SEDGES		over 0.5m	under 0.5m
LIFE FORM	 	 	 	 			1m
COVER CLASS (%)	30/70	20/10/30					
DOMINANT SPECIES	<i>Hordeum moerhousii</i> <i>Polyp. m</i>	<i>Spargula rubra</i> <i>Polygonum stricta</i>					

4. VEGETATION CONDITION

Comments

trees dead
> 1/2 shrubs dead
weedy grasses increasing

salted

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20720

name if required

same

5. SPECIES PRESCENCE

SITE No DU 08
Date 4-5-1999
13-10-1999

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

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

TREES

MALLEES

Euc. (dead)

SHRUBS

Melaleuca viminea
" uncinata
Melaleuca quadriflora
Halosarcia indica lepidostigma
Melaleuca lateriflora (dead)
Sarcocornia quinquefolia

SHRUBS (cont.)

GRASSES

Agrostis avenae
Polygala monspeliensis (VSP 10/10)
Hordeum marinum
bulmaturovum

HERBS

Spergula rubra
Cotula cotuloides
Cotula bipinnata
Triglochin mucronata
Pogonolepis stricta
gunniopsis

HERBS (cont.)

13/10/99
X Sonchus oleraceus
X Anagallis arvensis
X Isotoma scapig
X Apium annuum
X Parapholis incurva
X Senecio glossanth
X Cotula coronopifolia
X Eremophyllum tenellum
X Hypochaeris glabra
X Bromus hordeaceus
X Pogonolepis blanda (VSP)
X Hydrocotyle alata

SEDGES

Pogonolepis "small grey" 13/10 (VSP)
Culindicella calyptata
Panicum pruriens (VSP)

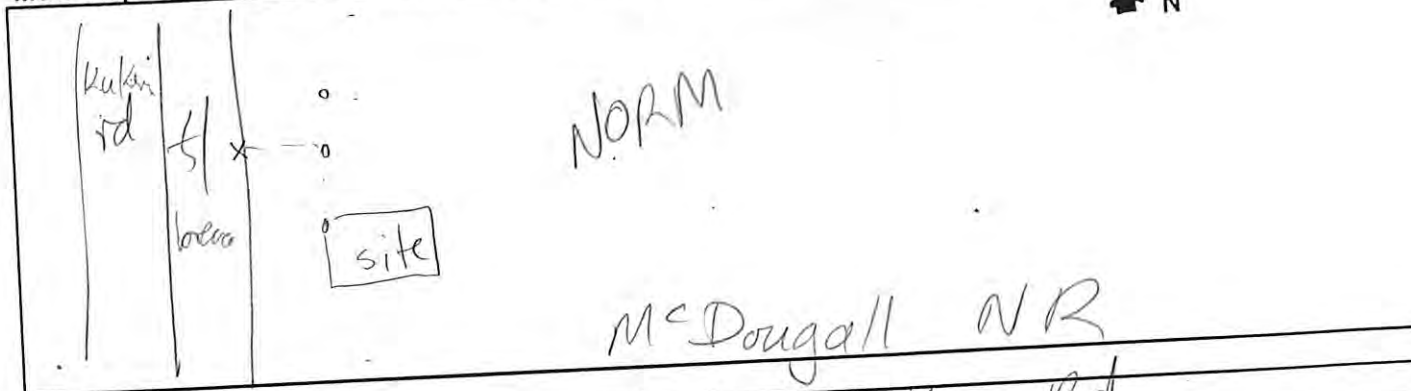
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DU SITE NUMBER 09
 DATE TRIP 4-5-1999 RECORDERS AW/NG/GK
 DATE TRIP 14-10-1999 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

Norm Kukerin Rd

Geographic Location Latitude

S Longitude

E Altitude

Reference Map

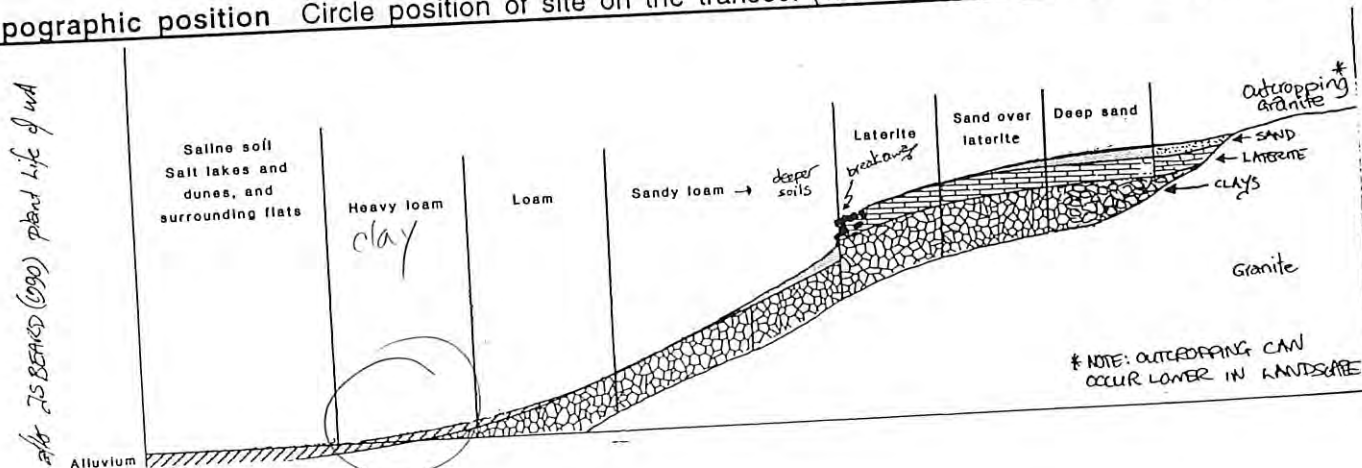
Photo No 2

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	☐ gentle	☐ steep	Aspect	N	NE	E	SE	S	SW	W	NW	
Surface Soil	sandy clay			Colour	brown								
Exposed rock	type			% surface									
Sub-surface Soil	clay			Colour	brown								
Rock	type			depth to rock									
Drainage	well	☒ mod	☐ poor	depth water	cm	Wet	all year	winter/spring					
Litter	lv, twigs, stems	% cover	70/90	Bare Ground	10/30	% 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						30m	10m
COVER CLASS (%)						10/30	
DOMINANT SPECIES						<i>Euc. conglomerata</i> <i>Euc. floccosa</i> <i>E. calycogona</i>	
SHRUBS					SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM	<i>Mel. sp</i> 					2m	1m
COVER CLASS (%)	30/70					2	
DOMINANT SPECIES	<i>Mel. acanthos</i> <i>Mel. lateriflorus</i> <i>Mel. uncin</i>	<i>Allocasuarina</i>				<i>Triglochin aemula</i>	
GRASSES		HERBS		SEDGES			
	over 0.5m	under 0.5m					
LIFE FORM							1m
COVER CLASS (%)	2	2				10/30	
DOMINANT SPECIES	<i>Neracanthus alopec</i>					<i>Desmodium</i>	

4. VEGETATION CONDITION

Comments

excellent

Mallee 6m
20 x 20
Smith grey upper

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE
SITE No DU 09
Date 4-5-1999
14-10-1999

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

5. SPECIES PRESCENCE			Label each plant			Column 1			plant number			flowering time- TICK if species flowering			No			FI			ID		
SITE No. 14			Record on Sheet			Column 2			Column 3			Column 4			identification check								
Date 4-5-1999																							
14-10-1999																							
TREES			No			FI			ID			SHRUBS (cont.)			No			FI			ID		

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DU SITE NUMBER 10
 DATE TRIP 4-5-1999 RECORDERS AW/NG/GK
 DATE TRIP 14-10-1999 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.



NORM

Road Location

Ramussen Rd - west

E Altitude

Geographic Location Latitude

NORM S Longitude

Reference Map

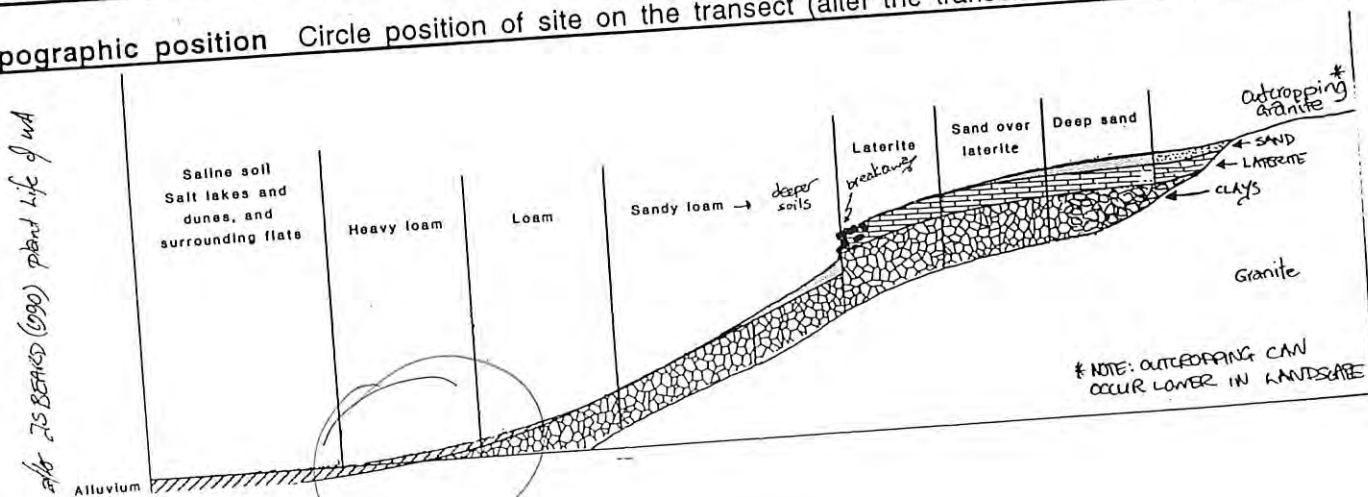
Photo No

Photograph

Photographer's Name

N Gibson

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



2. SITE DATA Circle the correct response.

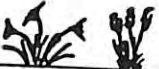
			Aspect								
			N	NE	E	SE	S	SW	W	NW	
Slope	flat	gentle	steep								
Surface Soil	type		sandy clay		% surface		Colour				
Exposed rock	type		clay		depth to rock		Colour				
Sub-surface Soil	type										
Rock	type										
Drainage	well	mod	poor	depth water		cm	Wet		all year		
							winter/spring				
litter	barb, twigs, lvs		% cover		70/90		Bare Ground		10/30		
Depth	2-5		cm						% 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			10/30	
DOMINANT SPECIES	<i>Euc. salmon</i> <i>Euc. longica</i>			<i>Euc. conglob</i>	
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	SHRUBS under 0.5m
LIFE FORM					
COVER CLASS (%)				L2	L2
DOMINANT SPECIES				<i>Templest. sulc</i> <i>Rhaphodia preissii</i>	<i>Wilsonia humilis</i>
GRASSES		HERBS		SEDGES	
	over 0.5m	under 0.5m			
LIFE FORM					
COVER CLASS (%)	L2	L2			
DOMINANT SPECIES	<i>Stipa trichophylla</i>				

4. VEGETATION CONDITION

Comments

very good - excellent

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

Record on Sheet

- Column 1 plant name
- Column 2 plant number

5. SPECIES PRESCENCE

SITE No DU 10

Date 4-5-1999

Date 14-10-1999

- 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 DU SITE NUMBER 11
 DATE TRIP 5-5-1999 RECORDERS AW/NG/GK
 DATE TRIP 14-10-1999 RECORDERS 1a
 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

NORM

Road Location

Ramsden Rd - west

Geographic Location Latitude NORM S Longitude _____ E Altitude _____

Reference Map

Photograph

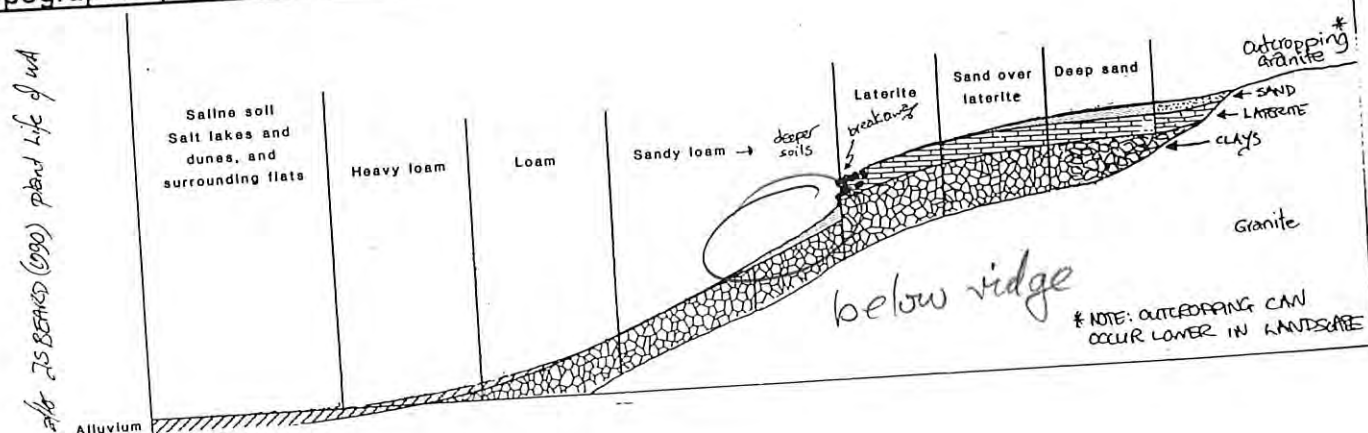
Photographer's Name

N Gibson

Photo No

7

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



2. SITE DATA Circle the correct response.

Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	SE	S	SW	W	<u>NW</u>
Surface Soil	sandy clay - laterite			Colour	brown							
Exposed rock	type			% surface								
Sub-surface Soil	clay			Colour	brown							
Rock	type			depth to rock	30-50cm							
Drainage	<u>well</u>	mod	poor	depth water	cm	Wet	all year		winter/spring			
Litter	logs, twigs, VS			% cover	70/90			Bare Ground	10/30		% cover	
	Depth 2 -			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 (%)	2-10		10/30		
DOMINANT SPECIES	<i>Euc. argyrophylla</i>		<i>Euc. gardneri</i>		
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	SHRUBS under 0.5m
LIFE FORM					
COVER CLASS (%)	10			2-10	2
DOMINANT SPECIES	<i>Hakea nitida</i> <i>Hakea francis</i> <i>Leptomeria pruss</i>			<i>Dodonaea bus</i> <i>Spyridium</i>	<i>Platysace</i> <i>Dry. calophylla</i>
GRASSES		HERBS		SEDGES	
				over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	22	22			
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments

excellent
some fence post cutting in past

20720

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE
SITE No DU 11
Date 5-5-1999
14-10-1999

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

same

TREES
Euc. argyrophylla
Euc. glandulosa
Euc. ~~argyrophylla~~

MALLEES

SHRUBS
Phebalium rufum
Hakea nitida
Platysace comm
Dodonaea buxariifolia
Spiridium microcephalum
Phebalium tubercul
Dryandra calophylla
Hakea francelisiana
Leptomeria preissiana
Hakea platysperma

SHRUBS (cont.)

GRASSES

HERBS

HERBS (cont.)

14/10/1999
X Vulpia murina
X Rottboellia pumila
X Hibbertia ~~stuartii~~ ~~teretifolia~~
X Bossiaea ~~spiruosa~~ preissii
X Pananthera microphylla
X Pentaschistis airbidea
X Hypochaeris alabra
X Mililotia tenuifolia
X Podotrocha angustifolia
X Tritolium tomentos
X Wahlenbergia preissii

SEDGES

X Lepidosperma ~~viscidatum~~
sp AZ flat in

AOS DU11

Phebalium rufum ssp rufum

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA D.U. SITE NUMBER 12
 DATE TRIP 5-5-1999 RECORDERS AW/NG/MGK
 DATE TRIP 14-10-99 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.



NORM

Road Location

NORM / Ramussen Rd - east.

Geographic Location Latitude

NORM S Longitude

E Altitude

Reference Map

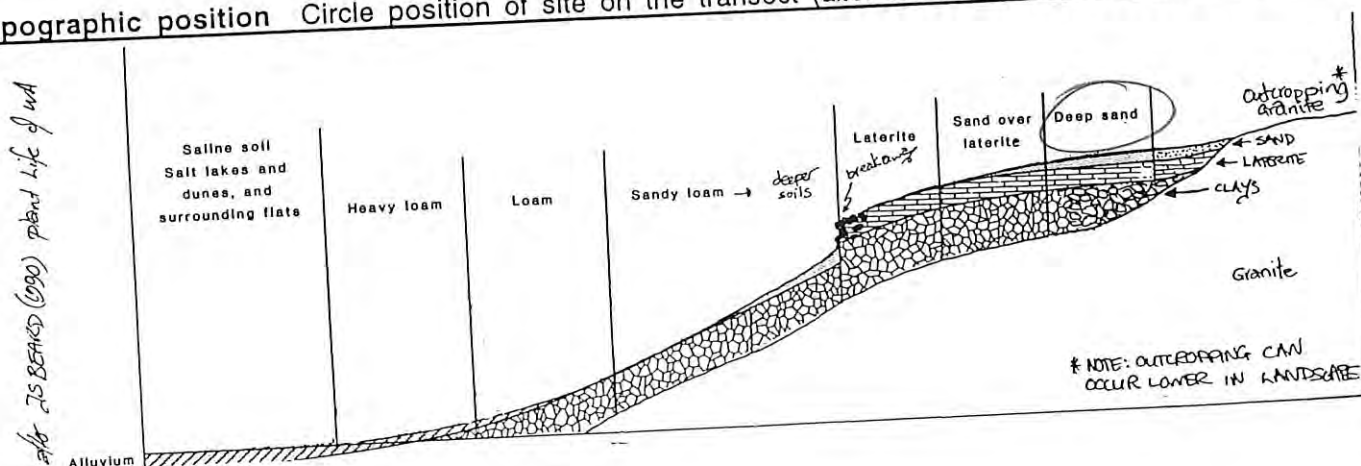
Photograph

Photographer's Name

N Gibson

Photo No 8

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



2. SITE DATA Circle the correct response.

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

Surface Soil sand Colour creamy
 Exposed rock type % surface

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

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

Litter twigs, lvs % cover 30/90 Bare Ground 50 %cover
 Depth 2-5 cm

excellent

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

same

Record on Sheet

SITE No. DU 100
1-1-1999

Date 5-5-99

- Column 1 plant name
 - Column 2 plant number
 - Column 3 flowering time- TICK if species flowering
 - Column 4 identification check
- | No | FI | ID | |
|----|----|----|---------|
| | | | // Baec |

No	FI	ID
----	----	----

			14/10
X	X	X	

--	--	--	--

SHRUBS (cont.)

GRASSES

HERBS

HERBS (cont.)

SEDGES

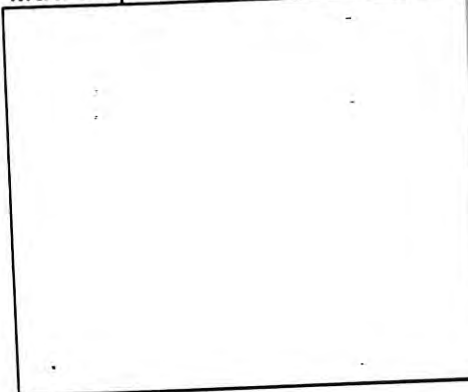
✓ Lepidosperma fenne (VSP)

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA D.U. SITE NUMBER 13
 DATE TRIP 4-5-1999 RECORDERS AW/NG/GK
 DATE TRIP 14-10-1999 RECORDERS "/
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____

1. LOCATION of the QUADRAT

Mud Map Draw a sketch of the loc



There is an error on this page
 Check Astroloma is present as well as Conostephium (red) & Prunus.

Bushland Plant Survey' written by
 (1994) and published by the
 Society of WA (Inc.), PO Box
 WA 6008.



Road Location

Chinnocup N R

Geographic Location Latitude

S Longitude

E Altitude

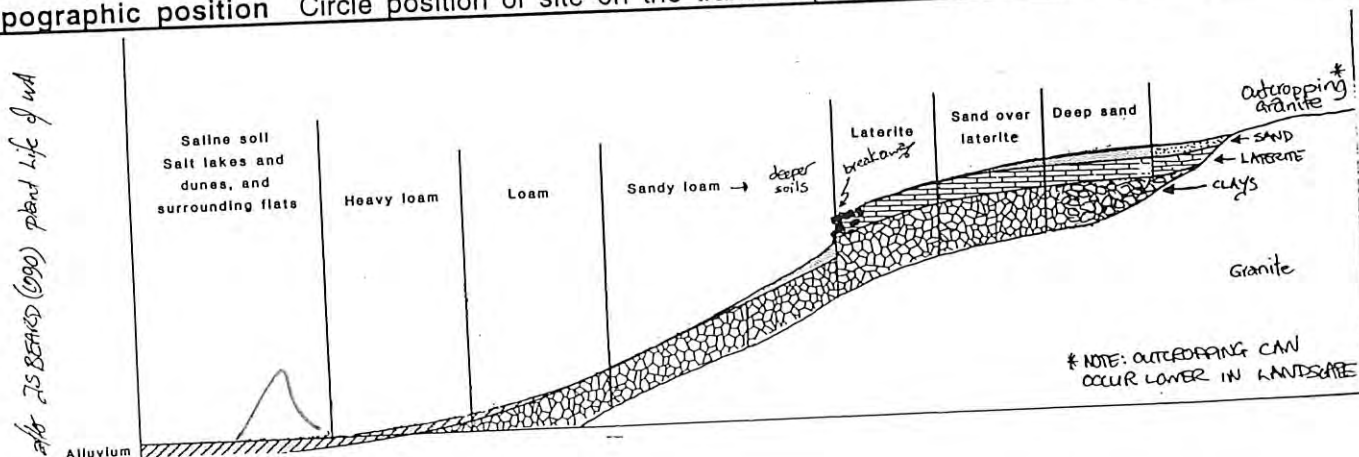
Reference Map

Photo No

Photograph

Photographer's Name

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



2. SITE DATA Circle the correct response.

Slope	flat	<u>gentle</u>	steep	Aspect	N	NE	E	SE	S	SW	W	<u>NW</u>
Surface Soil	<u>sand</u>			Colour	<u>white</u>							
Exposed rock	type			% surface								
Sub-surface Soil	<u>sand</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	<u>twigs, lvs</u>			% cover	<u>10/30</u>			Bare Ground	<u>30/50</u>			% cover
	Depth <u>2-5</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.

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>Euc. angulosa</i>	
SHRUBS					SHRUBS		
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m		
LIFE FORM						2m	1m
COVER CLASS (%)	10/30		2-10		<2		
DOMINANT SPECIES	<i>Eremaea</i> <i>Leptos. roei</i> <i>5 low panic</i>		<i>Conostephium</i>		<i>Conostephium (red)</i> <i>leucopogon</i>		
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)	<2	<2			2		
DOMINANT SPECIES					<i>Desmodadus</i>		

4. VEGETATION CONDITION

Comments

excellent

20x20

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

Record on Sheet

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

14-10-1999

TREES				SHRUBS (cont.)				HERBS (cont.)			
No	FI	ID		No	FI	ID		No	FI	ID	
MALLEES <i>Euc. angulosa</i> <i>incrassa</i> ✓				GRASSES				14/10/1999 x <i>Ursinia anthemoides</i> ✓ x <i>Millettia</i> ✓ x <i>Stylidium pilifer</i> ✓ x <i>Podotrocha hugst</i> ✓			
SHRUBS <i>Regelia inops</i> ✓ (vsp)											
<i>Eremaea</i> (2 Met. <i>thuyoides</i>) ✓											
<i>" pauciflora</i> var <i>pauciflora</i> ✓ (vsp)											
<i>Leptospermum roei</i> ✓								SEDGES <i>Desmodius myriocladus</i> (vsp)			
<i>Conostephium roei</i> ✓ (vsp)				<i>sm. leaved var.</i> (vsp)							
<i>Leucopogon conostephioides</i> ✓				HERBS <i>Gneitoplesium</i> n.g. ✓							
<i>Conostephium</i> (red) sp. (vsp)				<i>Astro/um</i> sp. <i>Gran Patd.</i> (vsp)							
<i>Styphelia tenuiflora</i> ✓ (vsp)											
<i>Hakea corymbosa</i> ✓											
<i>Cassytha pubescens</i> ✓ (vsp)											
<i>? Boronia</i> (sterile) ✓											
<i>Beyeria/Bertia</i> ✓											
<i>Gompholobium scabrum</i> ✓ (vsp)											

BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA D 11 SITE NUMBER 13
 DATE TRIP 4-5-1999 RECORDERS AW/NG/GK
 DATE TRIP 14-10-1999 RECORDERS "/
 DATE TRIP _____ RECORDERS _____
 BOTANIST _____ RECORDERS _____

1. LOCATION of the QUADRAT

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

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



Road Location

Chinnocup N R

Geographic Location Latitude

S Longitude

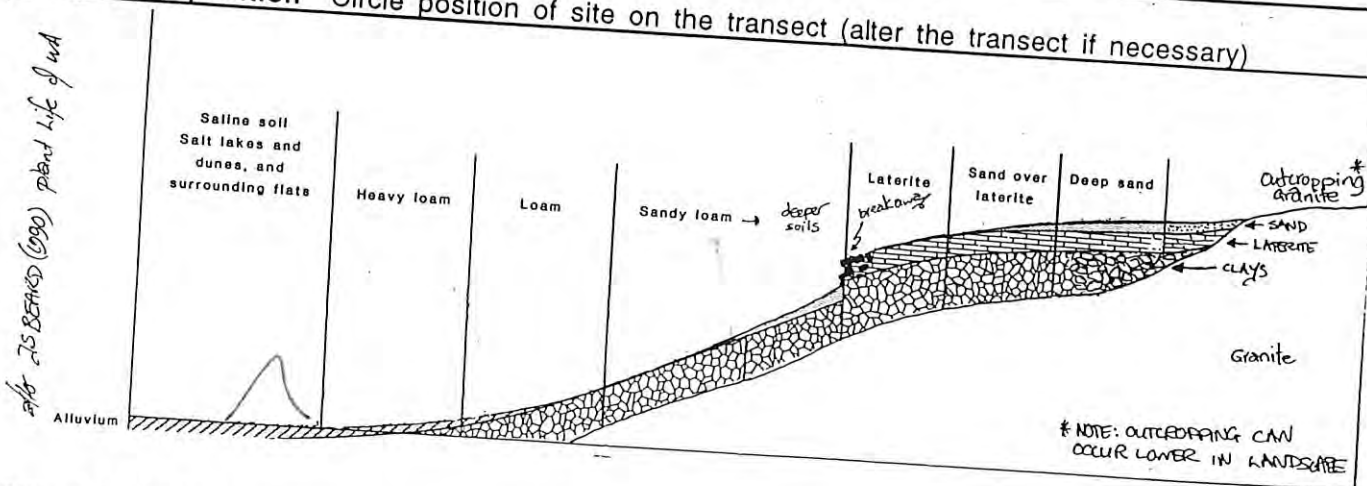
E Altitude

Photograph

Photographer's Name

Photo No

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



2. SITE DATA Circle the correct response.

Slope flat gentle steep Aspect N NE E SE S SW W NW
 Surface Soil type sand Colour white
 Exposed rock type sand % surface depth to rock
 Sub-surface Soil type sand Colour white
 Rock type sand depth to rock
 Drainage well mod poor depth water cm Wet all year winter/spring
 Litter twigs, lvs % cover 10/30 Bare Ground 30/50 %cover
 Depth 2-5 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.

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 (%)					2/10
DOMINANT SPECIES					Euc. angulosa
LIFE FORM	SHRUBS				
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
					
COVER CLASS (%)	10/30		2-10		<2
DOMINANT SPECIES	Eremaea Leptos. roel Erem. panicul		Conostephium		Conostephium (red) Leucopogon
LIFE FORM	GRASSES	HERBS	SEDGES	SEDGES	
			over 0.5m	under 0.5m	
					
COVER CLASS (%)	<2	<2		2	
DOMINANT SPECIES				Desmodadus	

4. VEGETATION CONDITION

Comments

excellent

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20x20

5. SPECIES PRESCENCE

SITE No Du13
Date 4-5-99
14-10-1999

Label each plant with plants number, site code, date and
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

Date 4-5-99 14-10-1999				• Column 3 flowering time- tick if species • Column 4 identification check				HERBS (cont.)				No	FI	ID	
TREES				No	FI	ID	SHRUBS (cont.)				No	FI	ID		

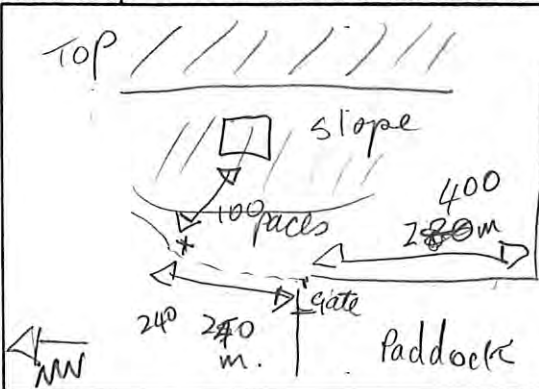
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DU SITE NUMBER 14
 DATE TRIP 2-5-1999 RECORDERS AW/NG/GK
 DATE TRIP 14-10-1999 RECORDERS 11
 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.



AMG
540240
6322940

Road Location

NALLIAN NATURE RESERVE

Geographic Location Latitude 33 13 53.8 S Longitude 117 25 54.8 E Altitude 1.6

Reference Map

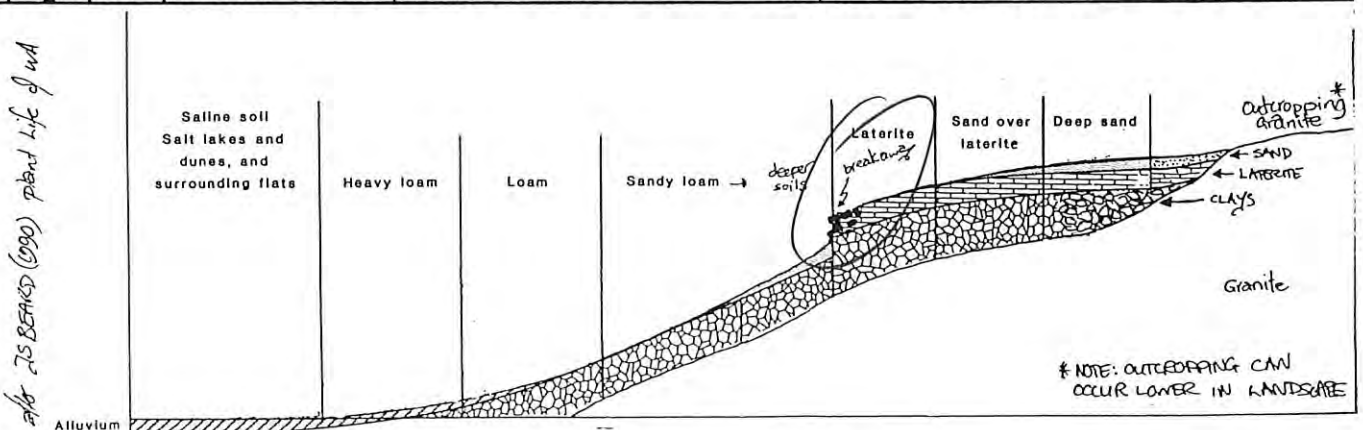
Photograph

Photographer's Name

NG

Photo No 15

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 lateritic sandy clay colour clay
 Exposed rock type _____ % surface _____

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

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

Litter lvs, twigs, logs % cover 90/100 Bare Ground 0/10 %cover
 Depth 25-25 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 life form 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 (%)	30/70				
DOMINANT SPECIES	<i>Euc. astringens</i>				
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	<2			<2	
DOMINANT SPECIES	<i>Hakea nitida</i>			<i>Grass. tricus</i>	
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	<2	<2			2/10
DOMINANT SPECIES					<i>Lepidosperma tenuis</i>

4. VEGETATION CONDITION

Comments

excellent
logged — ca 30 yrs ago —
still regenerating
bmt ca 30/40 yrs b/f

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20x20

5. SPECIES PRESCENCE

SITE No Du 14

Date 2-5-1999

14-10-1999

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

Euc. wandoo

TREES				SHRUBS (cont.)				HERBS (cont.)				No	FI	ID
Euc. astringens	✓							14/10/1999						
								X Trachymene pilosa	✓					usp
								X Blenchnospa drumm	✓					
								X Waitzia citrina	✓					
								X Thysanotus peters	✓					
								X Hydrocotyle rugulosa	✓					usp
								X Lobelia	✓					
								X Agrostis preissii	✓					usp
								X Rhodanthe laevis polycapala	✓					
								X Pterostylis vittata sanguinea	✓					
								X Levenhookia pusilla	✓					
								X Dimis parryfolia	✓					
MALLEES				GRASSES				SEDGES				No	FI	ID
				Danthonia				Lepidosperma tenue	✓					
				Stipa	(1ge)	✓								
SHRUBS				HERBS				14/10/99				No	FI	ID
Hakea nitida	✓			Lomandra micrantha	✓			X Hypocheris glabra	✓					
Gastrolobium tricuspid	✓			Millotia tenuifolia	✓			X Caladenia reptans	✓					
				Aira caryophyll	✓			X Helicrysum leucopsidium	✓					
								X Erodium botrys	✓					
								X Caladenia saccharata	✓					
								X Pterostylis off. nana	✓					
								X Pterostylis sargentii	✓					

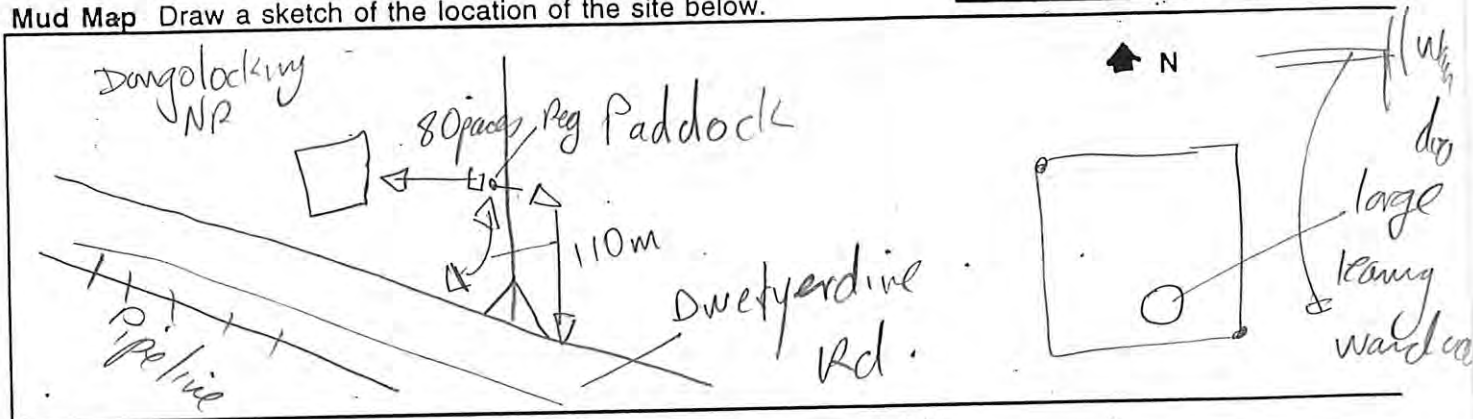
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA D.U SITE NUMBER 15
 DATE TRIP 3-5-1999 RECORDERS AW/NG/GK
 DATE TRIP 13-10-1999 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

Dungloeking NR

Geographic Location Latitude 33 03 51.0S Longitude 117 41 48.2E Altitude

Reference Map

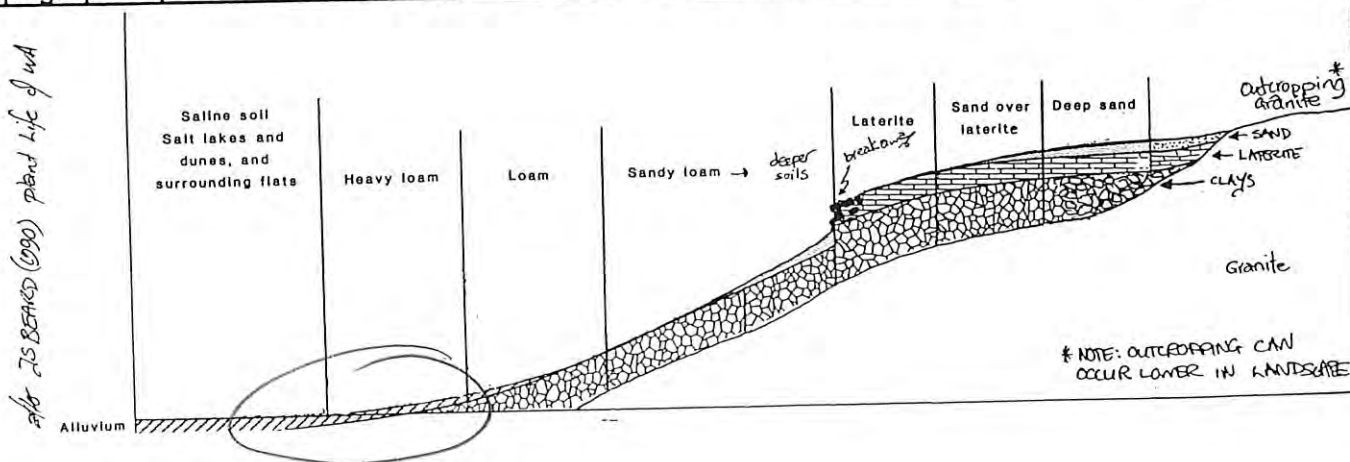
Photograph

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	<u>flat</u> gentle steep	Aspect	N NE E SE S SW W NW
Surface Soil	<u>sandy clay</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 mod <u>poor</u>	depth water	cm Wet all year winter/spring
Litter (vs, twigs, stems)	% cover <u>50 70/90</u>	Bare Ground	<u>10/30</u> %cover
Depth	<u>2-5</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							30m	10m	
COVER CLASS (%)	10/30								
DOMINANT SPECIES	<i>Euc. nandoo</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		under 0.5m	
LIFE FORM						1m			
COVER CLASS (%)	2-10								
DOMINANT SPECIES	<i>Stipa trichophylla</i>	<i>hom. effusa</i>							

4. VEGETATION CONDITION

Comments

excellent

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20 x 20

5. SPECIES PRESCENCE

SITE No DU 15
Date 3-5-1999
13-10-1999

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

Euc. longicornis

TREES				SHRUBS (cont.)				HERBS (cont.)				No	FI	ID
Euc. Wandoo								13-10-1999						
								X Eutaxia microphylla (usr)						
								X Anagallis arvensis						
								X Hydrocotyle myuros						
								X Calandrinia calyculata (usr)						
								X Awa caryophylla						
								X Milotria myrsinifolia (usr)						
								X Podolepis lessonii						
								X Rhodanthe corymbosa						
								X Lagotis huacapistana						
								X Petrorhagia prolifera						
								X Oxalis sphegnifolia						
								SEDGES						
								X Lipidosperma tenuis leptostachya						
								13/10/99						
								X Bromus madritense						
								X Daucus glochid						
								X Pelargonium havilassae						
								X Biennospora drummii						
								X Trifolium dubium						
								X Calotis hispidula						
								X Trifolium toment						
								X Hyalosp demissum						
								X Lathyrus marale						
								X Phytolacca maritima						
								X Thysanotus (pater)sonii						
								X Hypochaeris glabra						
								X Trifolium hirtum						
								X Crassula pedunculata						
								X Triglochin calcarata						
								- drumhans var drumhans						
								X Crassula calcarata						

[Note 2 Cornish at this site]

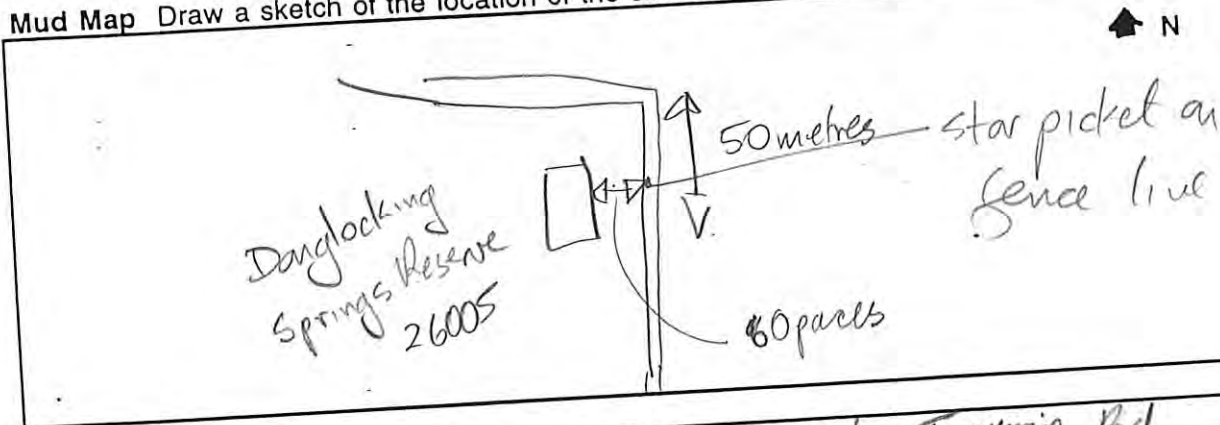
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DU SITE NUMBER 16
 DATE TRIP 3/5/1999 RECORDERS AW/NG/GK
 DATE TRIP 13-10-1999 RECORDERS NG/AW/GK
 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 Donglocking Rd; just past Finchemin Rd

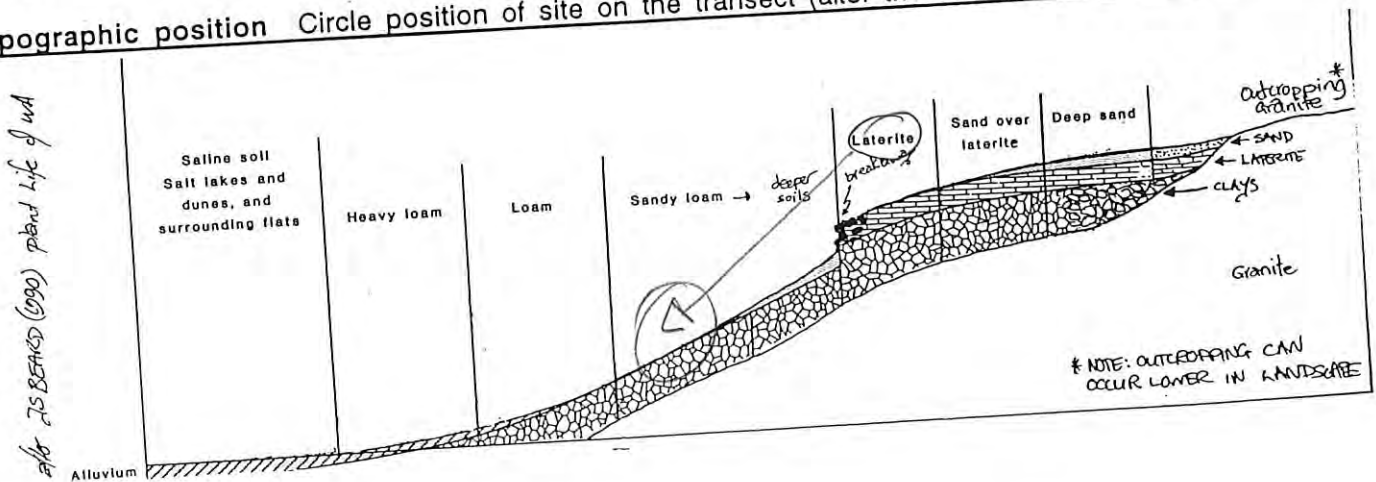
Geographic Location Latitude 33 05.21.1 S Longitude 117 46 46.6 E Altitude 3.0

Reference Map

Photo No 22

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	S	SW	W	<u>NW</u>
Surface Soil	<u>lateritic loam</u>			Colour	<u>red brown</u>							
Exposed rock	type <u>laterite</u>			% surface	<u>10-30</u>							
Sub-surface Soil	<u>lateritic clay</u>			Colour	<u>red brown</u>							
Rock	type <u>laterite</u>			depth to rock	<u>60cm</u>							
Drainage	<u>well mod</u>	poor	depth water	cm	Wet	all year		winter/spring				
Litter	<u>leaves, twigs</u>			% cover	<u>70/90</u>			Bare Ground	<u>10</u>			
Depth	<u>2-20</u>			cm								
				% 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 (%)	100/30/70				
DOMINANT SPECIES	<i>Euc. longicornis</i>				
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	SHRUBS under 0.5m
LIFE FORM					
COVER CLASS (%)					
DOMINANT SPECIES					
GRASSES		HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2/10	L2			L2
DOMINANT SPECIES	<i>stipa trichophylla</i>				

4. VEGETATION CONDITION

Comments

excellent

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20720

5. SPECIES PRESCENCE
 SITE No DU 16
 Date 3-5-1999
 13-10-1999

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

Euc. loxophleba

				HERBS (cont.)			
TREES				No	FI	ID	
Euc	longicornis						
MALLEES							
SHRUBS							
SHRUBS (cont.)				No	FI	ID	
GRASSES				No	FI	ID	
Stipa tenuifolia							
Stipa elegantissima							
Danthonia							
Neurachne alopecuroides							
HERBS				No	FI	ID	
Lomandra diffusa							
Dianella revoluta							
Lomandra micrantha ssp. teretifolia							
Calandrinia sp. calyptrata							
HERBS (cont.)				No	FI	ID	
13-10-999							
X Hypochaeris glabra							
X Eriharta longifolia							
X Arctotheca calendula							
X Lolium rigidum (us)							
X Rhodanthe pinnatifida							
X Stipa sp. flavescens							
X Triticum aestivum							
X Avena sativa							
X Isotoma hypocratifolia							
X Sonchus oleraceus							
X Milotia tenuiflora							
SEDGES				No	FI	ID	

calyptrata (us)

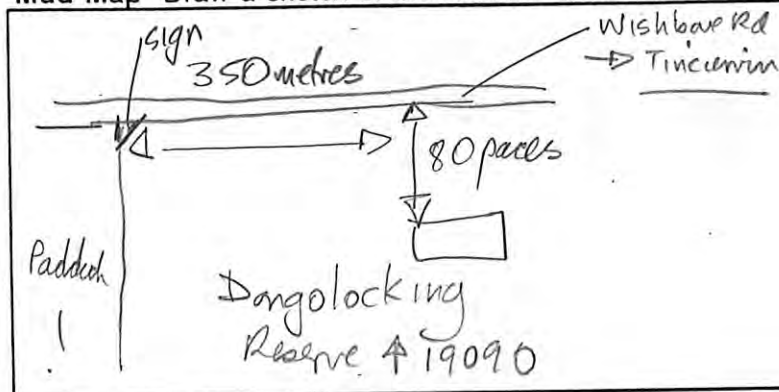
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA D.U. SITE NUMBER 17
 DATE TRIP 3-5-1999 RECORDERS AW/NG/GK
 DATE TRIP 13-10-1999 RECORDERS NG/GK/AW
 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

Wishbone Rd. / Dargolocking Reserve 1909

Geographic Location

Latitude 33° 05' 21" S Longitude 117° 50' 16" E Altitude 3.3

Reference Map

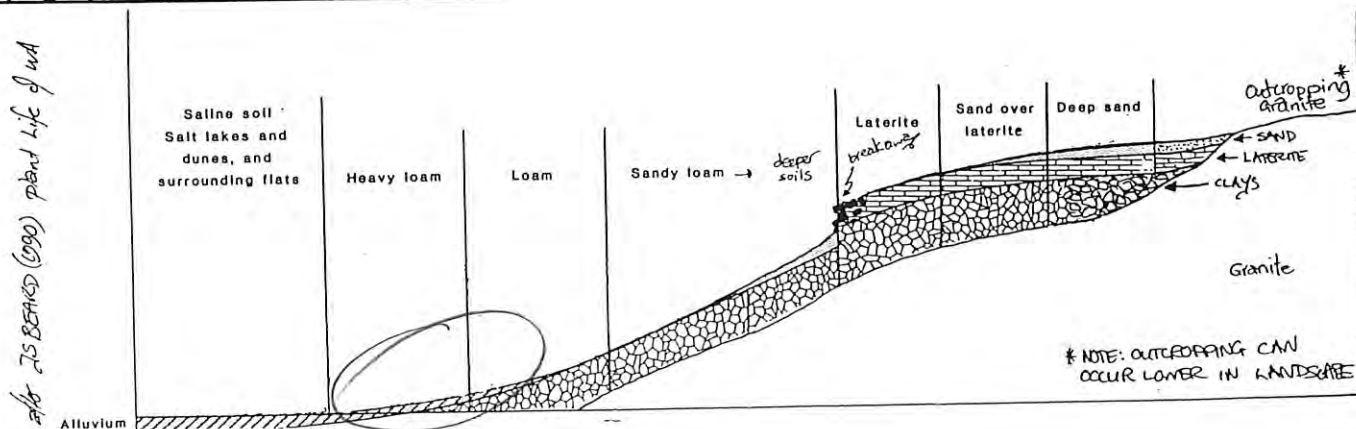
Photograph

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>sandy clay</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	<u>well mod</u> poor depth water	cm	Wet all year winter/spring
Litter	<u>leaves, twigs</u>	% cover	<u>70/90</u>
Depth	<u>2-10</u> cm	Bare Ground	<u>10/30</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 (%)	10/30				
DOMINANT SPECIES	Euc. salmon E. longicornis				
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	2			2/10/30	
DOMINANT SPECIES	Hakea petiolaris			Olearia axillaris	var-erem
GRASSES					
	over 0.5m	under 0.5m			
LIFE FORM					
COVER CLASS (%)	2-10	<2			
DOMINANT SPECIES	Stipa elegant " trichophylla			Lepidosperma	

4. VEGETATION CONDITION

Comments

excellent

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

5. SPECIES PRESCENCE

SITE No DU 17
Date 3-5-1999
13-10-1999

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

TREES	No	FI	ID
Euc. salmonophloia		✓	
Euc. longicemis		✓	

MALLEES

SHRUBS

Oleandra axillaris eremicola
Epreuvilla huegelii
Hakea laurina
Dodonaea viscosa
Acacia erinacea

SHRUBS (cont.)

GRASSES

Stipa trichophylla
" elegantissima
Danthonia
X = Pentaschistis laevis

HERBS

Ursinia anthem
Lomandra effusa
Crassula colorata
Lomandra micrantha
Lepidium rotundum
Crassula colorata
Arthropodium preissii

HERBS (cont.)

13/10/99
X Hypochaeris glabra
X Phytanotus paterson
X Vulpia myuros
X Ptilotus manglicii
X Trich. ymne cymop
X Stipa ~~trichophylla~~ humilis
X Crassula colandrum
X Lolium rigidum
X Xanthoxylum
X Milotia tenuiflor
X Arctotheca calendula
X Daucus glochidiatus

SEDGES

Schreus:
X Epidosperma ~~gibba~~ sp. ~~torquata~~
brunneum (pino)
Desmodium asper

13-10-1999

X Actinobole uliginosa
X Rhodanthe laevis

X Lepidosperma sp PL

182:
USP

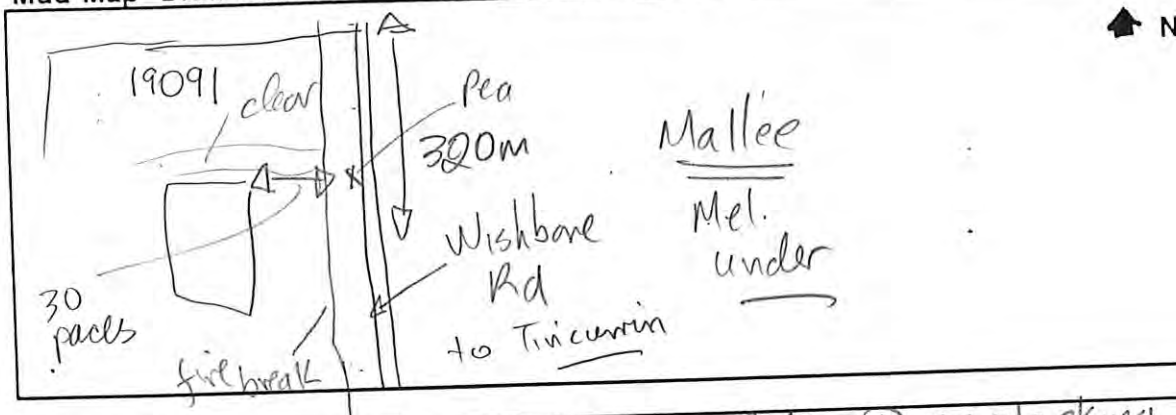
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DU SITE NUMBER 18
 DATE TRIP 3-5-1999 RECORDERS AW/NG/GK
 DATE TRIP 13-10-1999 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

Wishbone Rd; Dongolocking NR 19091

Geographic Location Latitude 33 06 06.1 S Longitude 117 50 08.5 E Altitude 2-4

Reference Map

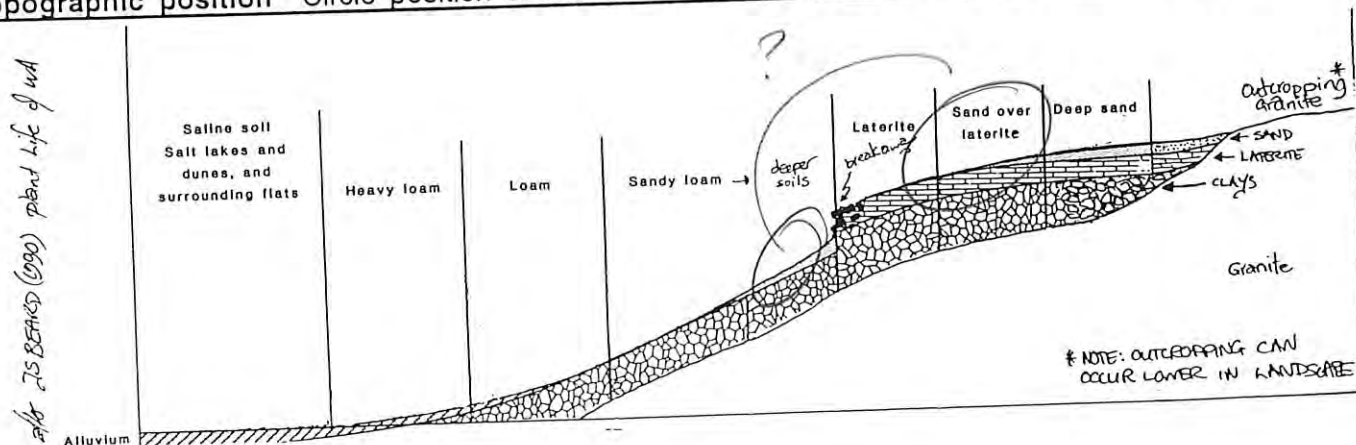
Photograph

Photographer's Name

Al Gibson

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	<u>gentle</u>	steep	Aspect	N	NE	<u>E</u>	SE	S	SW	W	NW
Surface Soil	<u>lateritic clay</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	mod	<u>poor</u>	depth water	cm	Wet	all year	winter/spring				
Litter	logs, twigs, lvs, bark	% cover	<u>50/70</u>		Bare Ground	<u>30/50</u>		% cover				
Depth	<u>2-15</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						30m	10m
COVER CLASS (%)			10/30				
DOMINANT SPECIES			<i>Euc. calycogyna</i> <i>Euc. conglomerata</i>				
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		<i>Mel. undulata</i>			<i>Ac. glaucoptera</i>		
GRASSES		HERBS		SEDGES			
				over 0.5m	under 0.5m		
LIFE FORM						1m	
COVER CLASS (%)	L2	L2			L2		
DOMINANT SPECIES							

4. VEGETATION CONDITION

Comments

excellent

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

5. SPECIES PRESCENCE

SITE No DUI 8

Date 3-5-99

13-10-1999

Label each plant with plants number, site code, date and
Record on Sheet

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

all M. 1-15
smooth bark, strips
20x20

E. Glockt flod

TREES

No FI ID

MALLEES

Euc. calycogona *calycogona*
Euc. conglomerata *plumosa*
close to syst. number

SHRUBS

Mel. undulata
Acacia glaucoptera
Wilsonia humilis (1)

SHRUBS (cont.)

GRASSES

ssp. varrella (USP)
Danthonia
Aira caryophylla

HERBS

Thysanotus pat/mangl

HERBS (cont.)

13-10-1999

x Millotia
x Crassula colorata (col)
x Vulpia myuros
x Hypochaeris glabra
x Ursinia Vanthem
x Hordeum leporinum
x Trifol tomentos
x Calandrinia calyciflora (USP)
x Pentaschistis aroid
x Hydrocotyle rugosa
x Crassula pendulocaulis (USP)
x Cotula bipinnata

SEDGES

x Schizanthus *Rostraria cristata*
x Rhodanthe laevis
x Stipa elegantiss
x Daviesia benthamii - acantholone (USP)
(seedling)
x Triglochin calcarata *sp. inaequum*

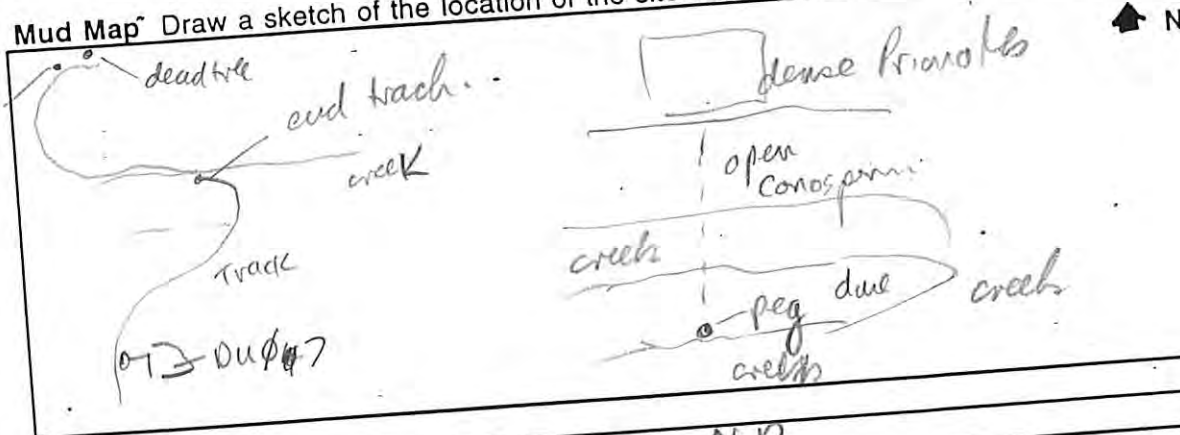
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DU SITE NUMBER 19
 DATE TRIP 4-5-1999 RECORDERS AW/NG/GK
 DATE TRIP 13-10-99 RECORDERS 11
 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

Coreycup - NR

Geographic Location

Latitude 33 42 55.9 S Longitude 117 51 14.1 E Altitude 4.0

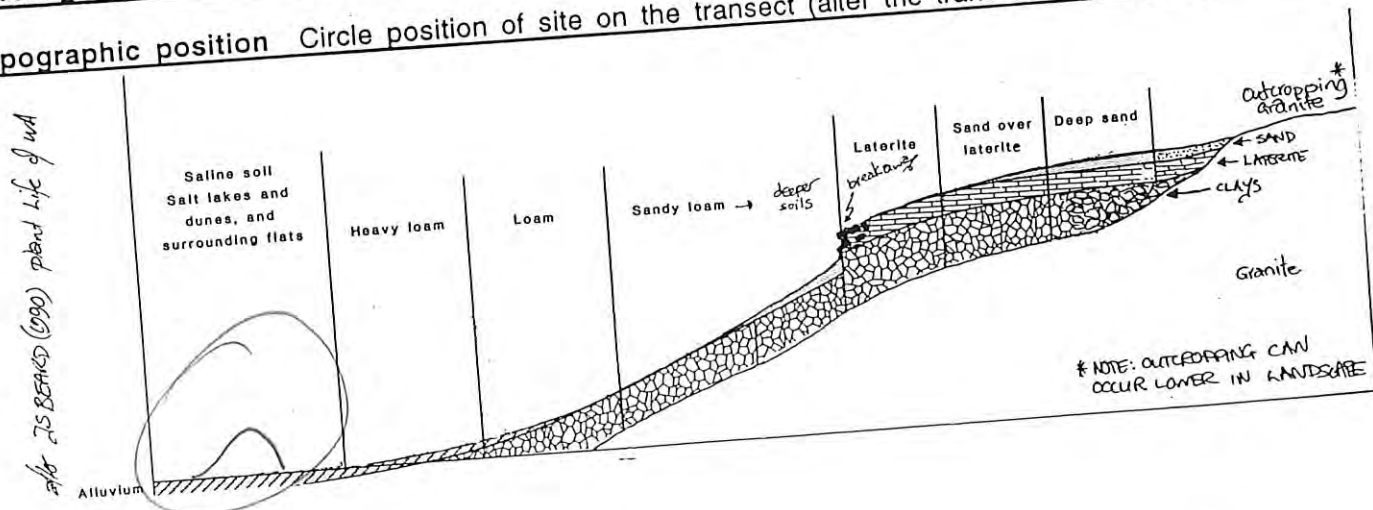
Reference Map

Photo No 26

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	S	SW	W	<u>NW</u>
Surface Soil	type <u>sand</u>			% surface	Colour <u>yellow-green</u>							
Exposed rock	type			depth to rock	Colour <u>yellow</u>							
Sub-surface Soil	type <u>sand</u>			depth to rock	<u>> 1m</u>							
Rock	type			Wet	all year			winter/spring				
Drainage	<u>well</u>	mod	poor	depth water	cm	Bare Ground			<u>0-10</u> %cover			
Litter	<u>100, twigs</u>			% cover	<u>70/90</u>							
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 (%)			>70%		
DOMINANT SPECIES			<i>Banksia prionotes</i>		

	SHRUBS				SHRUBS
	over 2m	2m-1.5m	1.5-1m	1-0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)			10/20		22
DOMINANT SPECIES			<i>Conospermum strobiliferum</i> <i>Jacks. lanceol</i> <i>Lasiopterygium</i>		<i>Hibbertia enervia</i> <i>Calytrix</i>

	GRASSES	HERBS	SEDGES	over 0.5m	under 0.5m
LIFE FORM					
COVER CLASS (%)	22	2-10			2-10
DOMINANT SPECIES	<i>Stipa</i>	<i>Corynolobos micr</i> <i>Lomatium colina</i> <i>Ursinia anth</i>			<i>Lepidobolus</i>

4. VEGETATION CONDITION

Comments

salt killed by lower slopes

5. SPECIES PRESCENCE
 SITE No DU 19
 Date 4-5-1999
 13-10-1999

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

Allocas huegeliana

				HERBS (cont.)				No	FI	ID
TREES				13/10/99						
<i>Banksia prionotes</i>				x <i>Pelargonium haultussae</i>						
				x <i>Scleranthus Ascellaria mitchellii</i>						
				x <i>Waitzia acuta</i>						
				x <i>Anagallis arvensis</i>						
				x <i>Gnephosis Blechnum polypodiifolium</i>						
				x <i>Uphallangium</i>						
				x <i>Ophryotrocha vagin</i>						
				x <i>Brachycome ibridif</i>						
				x <i>Blennosp drummond</i>						
				x <i>Hypochaeris glabra</i>						
				x <i>Lolium</i>						
				x <i>Danthonia</i>						
MALLEES				SEDGES						
				<i>Scheuchzeria palustris</i> sp P1						
				<i>Lepidobolus</i>						
				<i>Desmodium asper</i>						
SHRUBS				13/10/99						
<i>Hilbertia enervia rupicola</i>				x <i>Millettia tenuiflora</i>						
<i>Jacksonia furcellata</i>				x <i>Wahlenbergia preiss</i>						
<i>Acacia saliana</i>				x <i>Poranthera microphylla</i>						
<i>Castopetalum Rhomboides</i>				x <i>Calandrinia calyculata</i>						
<i>Mitrasacme Calyculata</i>				x <i>Anagallis arvensis</i>						
<i>Allocas huegel</i>				x <i>Caladenia flava</i>						
<i>Ponospermum stoeckadiis</i>				x <i>Stylidium piliferum</i>						
GRASSES				x <i>Crassula colorata</i>						
x <i>Amphipogon turbinatus</i>				x <i>Levenhookia pusilla</i>						
<i>Stipa elegantiss</i>				x <i>Centrolepis pilosa</i>						
<i>Aira coryophylla</i>				x <i>Levenhookia stipit</i>						
				x <i>Calandrinia granulif</i>						
				x <i>Calandrinia</i>						
HERBS				x <i>Carpobrotus modestus</i>						
<i>Ursinia anthemoides</i>				x <i>Sonchus oleraceus</i>						
<i>Wahlenbergia capensis</i>										
<i>Corynoloma milerantha</i>										
<i>Trachymene pilosa</i>										
<i>Lobelia gibbosa</i>										
<i>Podoleuca angustifolia</i>										
<i>Waitzia debile</i>										
<i>Lomandra collina</i>										
<i>Conostylis aculeata</i>										

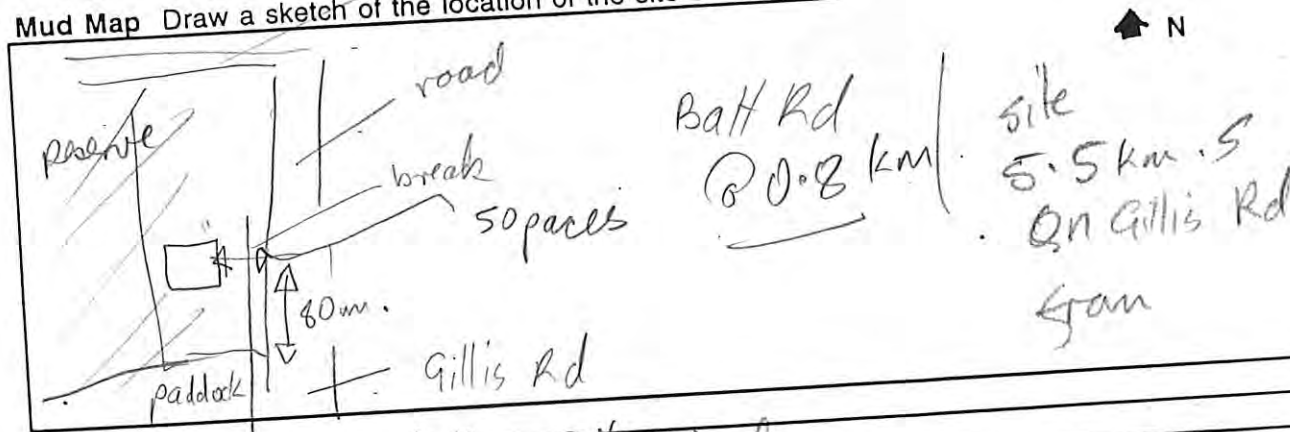
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA D.U. SITE NUMBER 20
 DATE TRIP 4/5/1999 RECORDERS AW/GK/NG
 DATE TRIP 14-10-1999 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 Bath Rd

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



Road Location

Bath + Gillis roads

Geographic Location

Latitude 33° 43' 04" S Longitude 118° 19' 29" E Altitude 107

Reference Map

Photograph

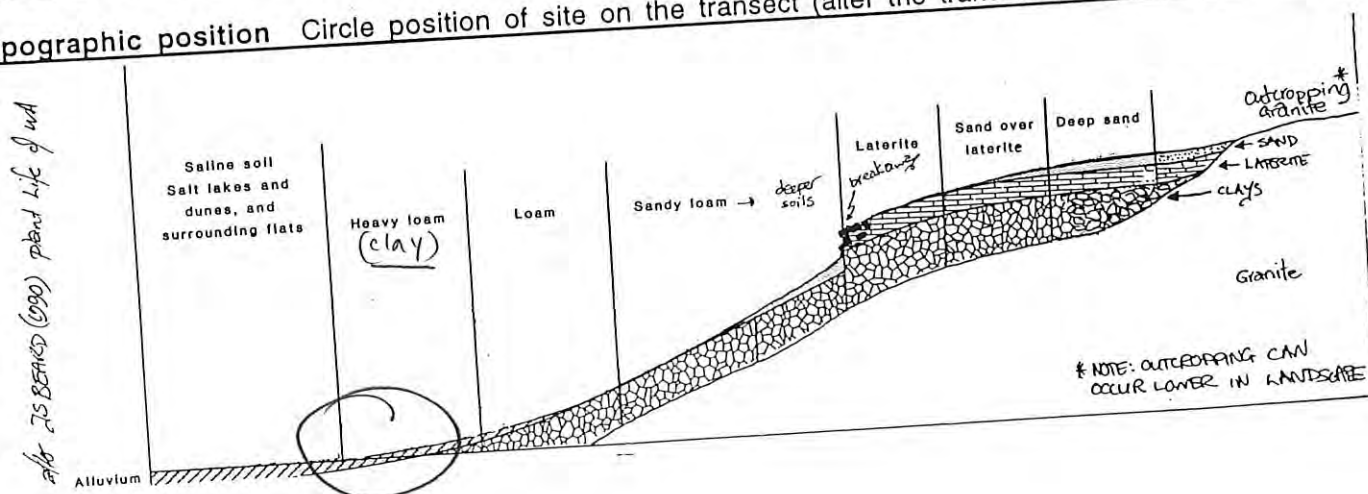
Photographer's Name

N Gibson

Photo No

3

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



2. SITE DATA Circle the correct response.

Slope	<u>flat</u> gentle steep	Aspect	N NE E SE S SW W NW
Surface Soil	<u>clay</u>	Colour	<u>grey</u>
Exposed rock	type	% surface	
Sub-surface Soil	<u>clay</u>	depth to rock	
Rock	type	Colour	<u>grey</u>
Drainage	well <u>mod</u> poor	depth water	cm Wet all year winter/spring
Litter	vs, bark, twigs	% cover	<u>50/70</u>
Depth	<u>2-5</u>	cm	
Bare Ground	<u>30/50</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 (%)		2/10			10/30		
DOMINANT SPECIES		Euc.			Euc. platypus		

SHRUBS					SHRUBS	
	over 2m	2m - 1.5m	1.5 - 1m	1-0.5m	under 0.5m	
LIFE FORM						2m 1m
COVER CLASS (%)	2-10					
DOMINANT SPECIES	M-el. agathas					

GRASSES		HERBS		SEDGES		over 0.5m		under 0.5m	
LIFE FORM									1m
COVER CLASS (%)	2/10	2/2							
DOMINANT SPECIES	Stipa trichophylla								

4. VEGETATION CONDITION

Comments

excellent

5. SPECIES PRESCENCE

SITE No DU 20
Date 4-5-1999
14-10-1999

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

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

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

✓ Euc. ^{extensive} ~~annulata~~
20x20
Tree, 15m, smooth coppery fluted trunk, shiny lvs

5. SPECIES PRESCENCE				Record on Sheet				plant number				flowering time- TICK if species flowering				identification check				
SITE No DU 20																				
Date 4-5-1999																				
14-10-1999																				
TREES				No	FI	ID	SHRUBS (cont.)				No	FI	ID	HERBS (cont.)				No	FI	ID
Eucalyptus extensa																				

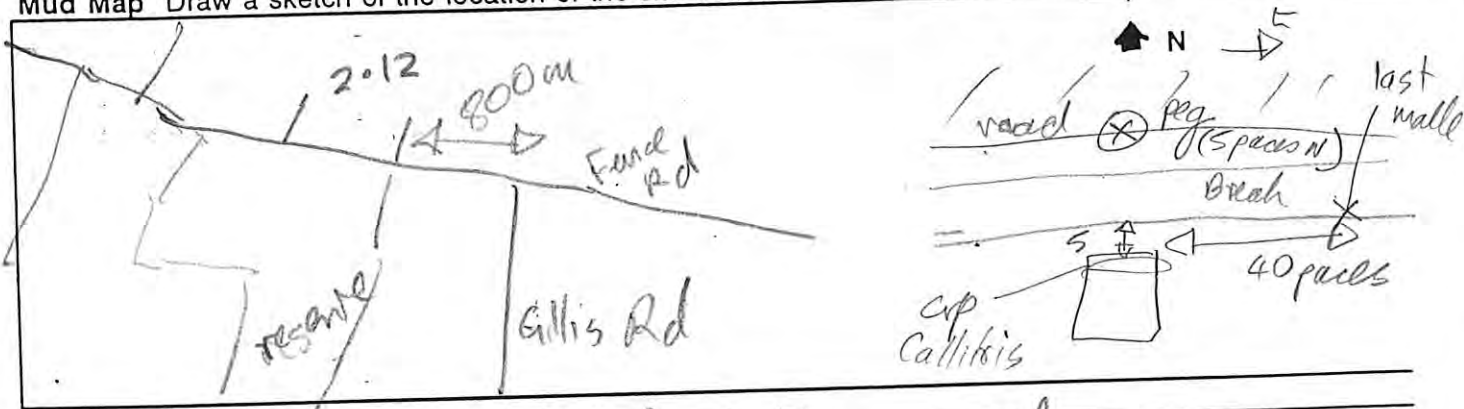
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DU SITE NUMBER 21
 DATE TRIP 4-5-1999 RECORDERS AW/NG/GK
 DATE TRIP 14-10-1999 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

Rabbit Proof Fence road.

Geographic Location Latitude 33 39 16.1 S Longitude 118 18 17.9 E Altitude 3.0

Reference Map

Photograph

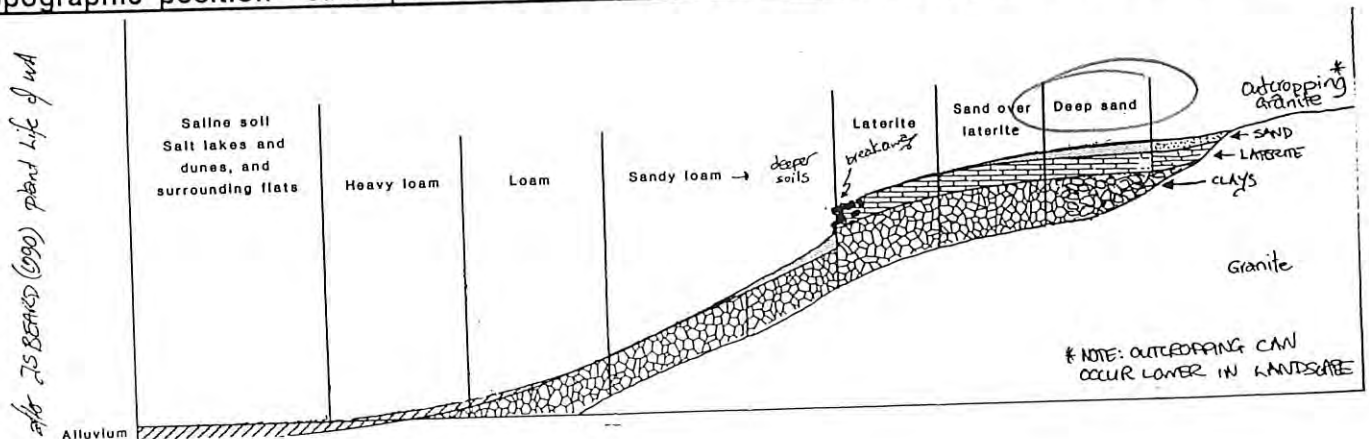
Photographer's Name

NG

Photo No

4

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



2. SITE DATA Circle the correct response.

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

3. VEGETATION STRUCTURE AND COVER

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

4. VEGETATION CONDITION

Comments

very good - excellent
same shorts swimming since last fire

BUSHLAND PLANT SURVEY RECORDING SHEET 3 - use pencil only

20x20

5. SPECIES PRESENCE

SITE No DU 21
Date 4-5-1999
14-10-1999

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

MALLEES

SHRUBS

SHRUBS (cont.)

GRASSES

HERBS

HERBS (cont.)

SEDGES

Confertia var conferta (usp)

(usp)

(usp)

(usp)

(usp)

Callitris roei
Isopogon tetralobus
Banksia sphaerocarpa
Banksia violacea
Eremophila pauciflora
Petrophile squamata
Isopogon ?
Hakea ?
Calothamnus quadrifidus
Dryandra ?
Dampiera teres
Petrophile ?
Dryandra ?
Leptospermum ?
Dryandra calophylla
Allocasuarina humilis
Dryandra nivea
Melaleuca tuberculata
Isopogon
Malleostemon

Phyllanthium paradox
Crassula pedicellosa
Levenhookia pusilla
Gynephorosis drummondii
Viburnum zonaria
Schoenus nanus
Blennospora drumm
Wahlenbergia preiss
Stipa (1ge)
Amphipogon terbinatus
Neurachne alopecur
Danthonia
Rostaria pumila
Aethiops michelii
Petrophile glauca
Pterochaeta pannicul
Chaemaxerds serra
Leporella fimbriata
Thysanotus pat/mangl
Stylidium repens
cursioides
Levenhookia stipitata
drummondii ssp macrocarpa
ssp spathulata

14/10/99
Millotia tenuifolia
Hypochaeris glabra
Ptilotheca angustif
Calytrix leschenaultii
Ara caryophylla
Crassula
Rochardia
Petrophile brevifolia
Conostylis setigera
Wrightia acumin
Rhodanthe laevis
Baeckea preissiana
Lepidosperma ?
Mesomphala preissii
Lahnia
Harperia lateriflora
Schoenus sp
Schoenus ?
Tetraria capillaris
Lepidobolus preissianus
14/10/99
Caladenia
Pterochaeta pannic
Arctotheca calend
Leu
Schoenus subfissus

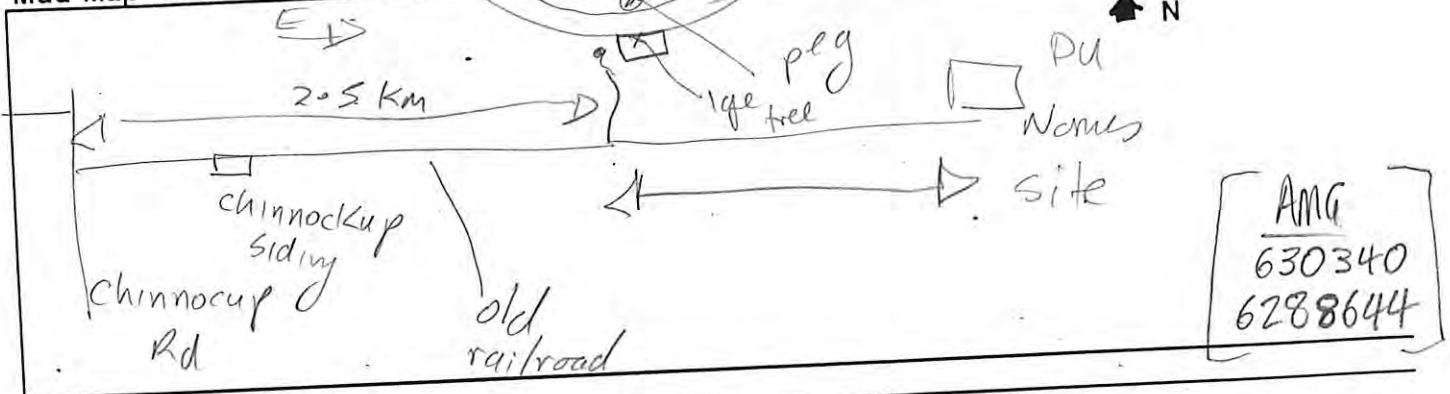
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DU SITE NUMBER 22
 DATE TRIP 4-5-1999 RECORDERS AW/NG/GK
 DATE TRIP 14-10-1999 RECORDERS AW
 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 Chinnockup NR.

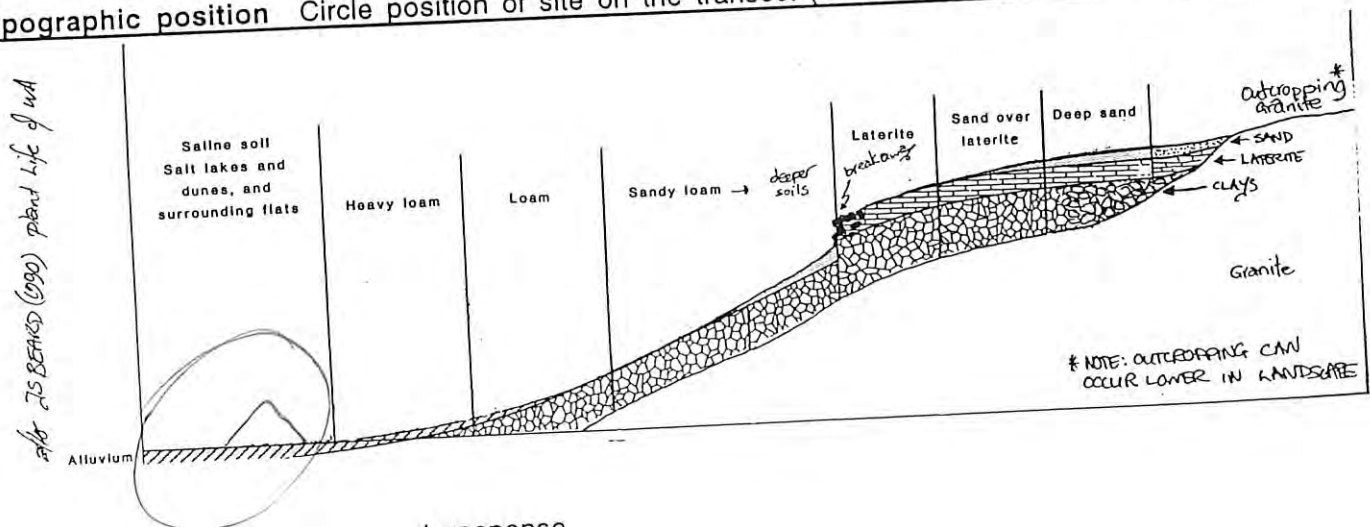
Geographic Location Latitude 33° 32' 0.5 S Longitude 118 24 13.4 E Altitude 2.2

Reference Map

Photo No 5

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 ☐ gentle ☐ steep	Aspect	N NE E SE S SW W NW
Surface Soil	type <u>gypsum clay</u>	Colour	<u>white</u>
Exposed rock	type _____	% surface	_____
Sub-surface Soil	type <u>gypsum</u>	depth to rock	_____
Rock	type _____	Colour	<u>white</u>
Drainage well	☒ mod ☐ poor	depth water	cm <u>Wet all year</u> <u>winter/spring</u>
Litter	<u>twigs, lvs, stems</u>	% cover	<u>50/70</u>
Depth	<u>2-30</u> cm	Bare Ground	<u>30/50</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%	
TREES					
over 15m		5-15m		under 5m	
LIFE FORM					
COVER CLASS (%)	2/10				
DOMINANT SPECIES	Euc. kondiner				
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	L2			
DOMINANT SPECIES	Mel. viminalis Callitris roei Santalum acuminatum	Alyxia baillii			
SHRUBS					
over 0.5m		under 0.5m			
LIFE FORM					
COVER CLASS (%)					
DOMINANT SPECIES					
GRASSES					
over 0.5m		under 0.5m			
LIFE FORM					
COVER CLASS (%)	2/10				
DOMINANT SPECIES	Stipa trichop " tecti				
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 DU 22
Date 4 - 5 - 1999
14 - 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

5. SPECIES PRESENCE			Record on Sheet			plant number.			flowering time- TICK if species flowering			identification check			HERBS (cont.)			No	FI	ID
SITE No DU 22															14/10/1999					
Date 4 - 5 - 1999																				
14 - 10 - 1999																				
TREES			No	FI	ID	SHRUBS (cont.)			No	FI	ID				No	FI	ID			
Euc. kondinensis																				

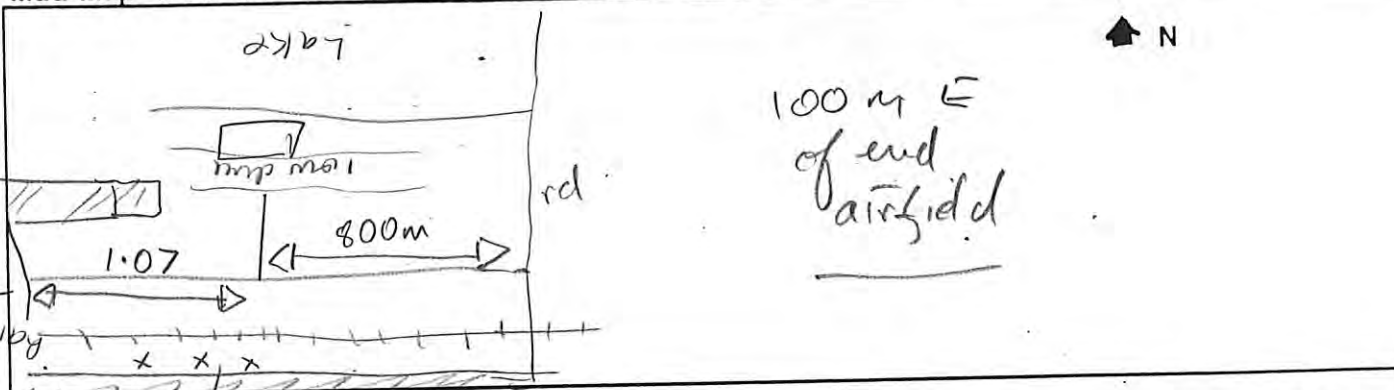
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA D. U SITE NUMBER 23
 DATE TRIP 5-5-1999 RECORDERS AW/NG/GK
 DATE TRIP 15-10-1999 RECORDERS 11
 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.

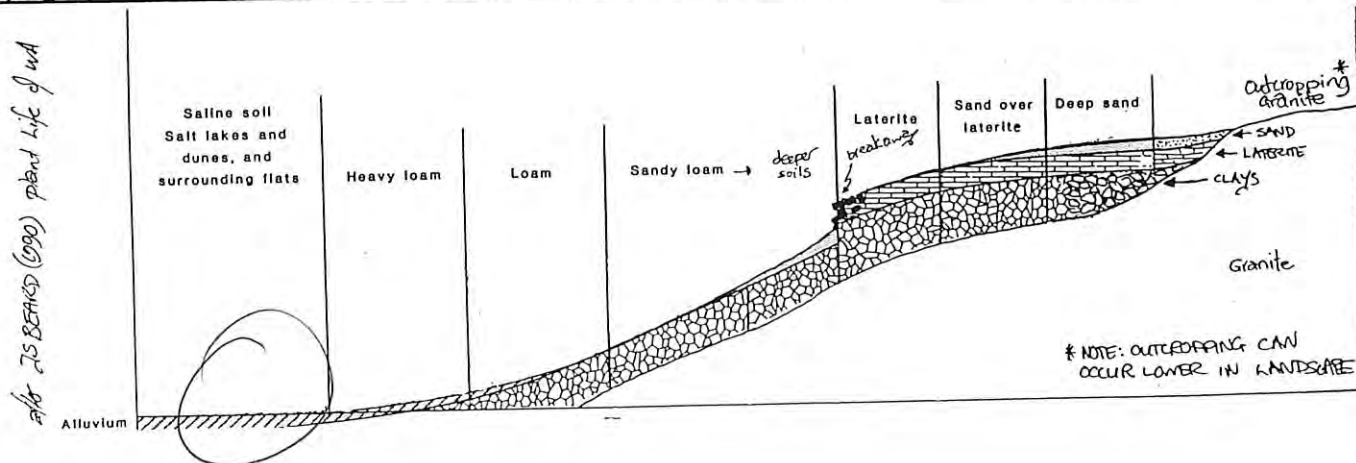


Road Location LAKE - GRACE RD, W Lake Grace

Geographic Location Latitude 33 06 13.84 S Longitude 118 23 53.5 E Altitude 204
 Reference Map

Photograph Photographer's Name NG Photo 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>gypsum clay</u>	Colour	<u>white</u>
Exposed rock	type	% surface	
Sub-surface Soil	<u>gypsum clay</u>	Colour	<u>white</u>
Rock	type	depth to rock	
Drainage	well mod <u>poor</u> depth water	cm	Wet all year winter/spring
Litter	<u>twigs, lvs</u>	% cover	<u>30/50</u>
Depth	<u>2-5</u>	cm	
Bare Ground	<u>50</u>	% cover	

excellent

5. SPECIES PRESCENCE

SITE No DU 23

Date 5-5-1999

15-10-1999

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

same

TREES

MALLEES

SHRUBS

Atriplex vesicaria
Disphyma clavellatum
Frankenia pauciflora
Halosarcia pergranulata
Maireana oppositifolia

SHRUBS (cont.)

GRASSES

Danthonia incurva
Parapholis barbata

HERBS

interoria moniformis (usp)

HERBS (cont.)

15/10/99
X Crassula sieberiana
X Poa drummond
X Cotula bipinnat
X Microseris scapigera
X Senecio glossocephalus
X Galatophytus blenniorhiza
X Julpha myuros
X Sonchus olerace
X Rhodanthe chloroceph ssp rosea
X Wurmbea monantha

SEDGES

X Bobbie = Gnephosis = Hypochaeris
X Crassula collarata
X Bromus orenarius (usp)
X Triglochin ciliolata
X Calandrinia liniflora
X Brachycome
X Hypochaeris glabra
X Laurencia esquam
X Trifolium tomentos
X Cotula cotuloides

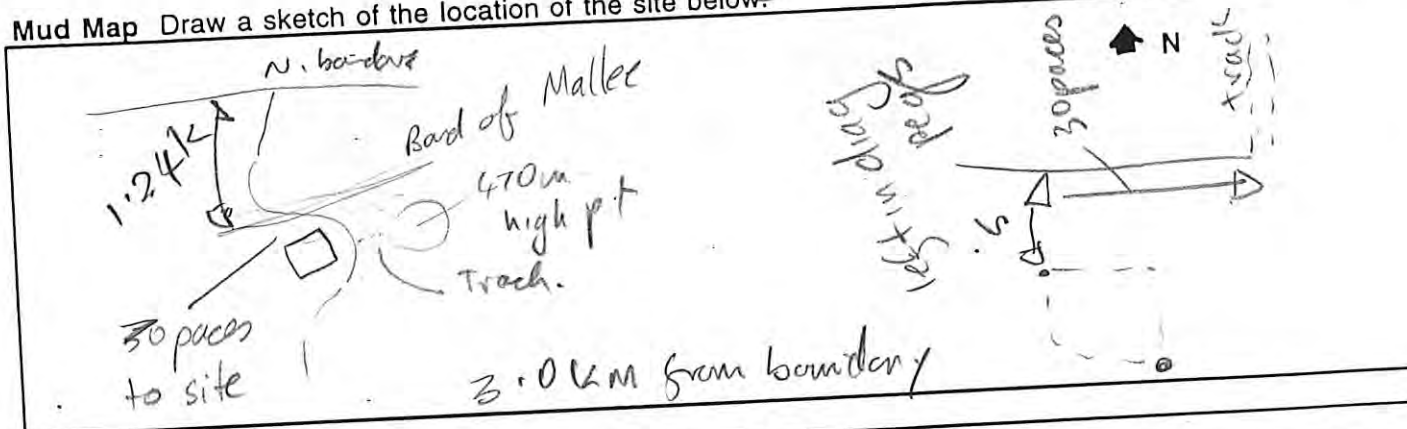
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DU SITE NUMBER 24
 DATE TRIP 5-5-99 RECORDERS AW/NG/GK
 DATE TRIP 14-10-99 RECORDERS 11
 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.



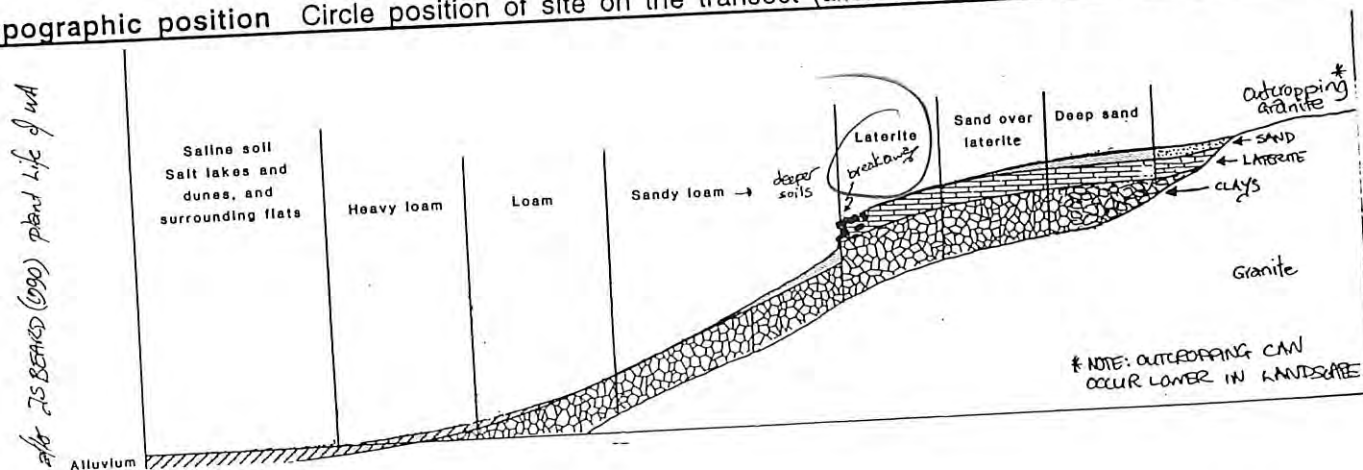
Road Location TARIN ROCK N.R.

Geographic Location Latitude 33 05 46.5S Longitude 116 09 28.3E Altitude _____

Reference Map _____

Photograph _____ Photographer's Name NG Photo No 10

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	W	<u>NW</u>
Surface Soil	lateritic loam			Colour	brown							
Exposed rock	type laterite			% surface								
Sub-surface Soil	massive laterite			Colour								
Rock	type			depth to rock	0-2cm							
Drainage	well	mod	poor	depth water	cm	Wet		all year		winter/spring		
Litter	type			% cover	10/30		Bare Ground		30/50		% 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					
	over 15m	5-15m	under 5m	MALLEES over 8m	under 8m
LIFE FORM					
COVER CLASS (%)					2-10
DOMINANT SPECIES					Euc
SHRUBS					
	over 2m	2m - 1.5m	1.5 - 1m	1 - 0.5m	SHRUBS under 0.5m
LIFE FORM					
				<i>Allocas.</i>	
COVER CLASS (%)				30/70	10/30
DOMINANT SPECIES				<i>Grevillea</i> <i>Hakea</i> <i>Casuarina</i>	<i>Dryandra</i>
GRASSES		HERBS	SEDGES	SEDGES	
			over 0.5m	under 0.5m	
LIFE FORM					
COVER CLASS (%)	L2	L2		L2	
DOMINANT SPECIES					

4. VEGETATION CONDITION

Comments

excellent

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

14-10-1999

[illegible]

sp "DU24"

Allocus of c/s

* DU02 changed to DU25 - 3/5/99

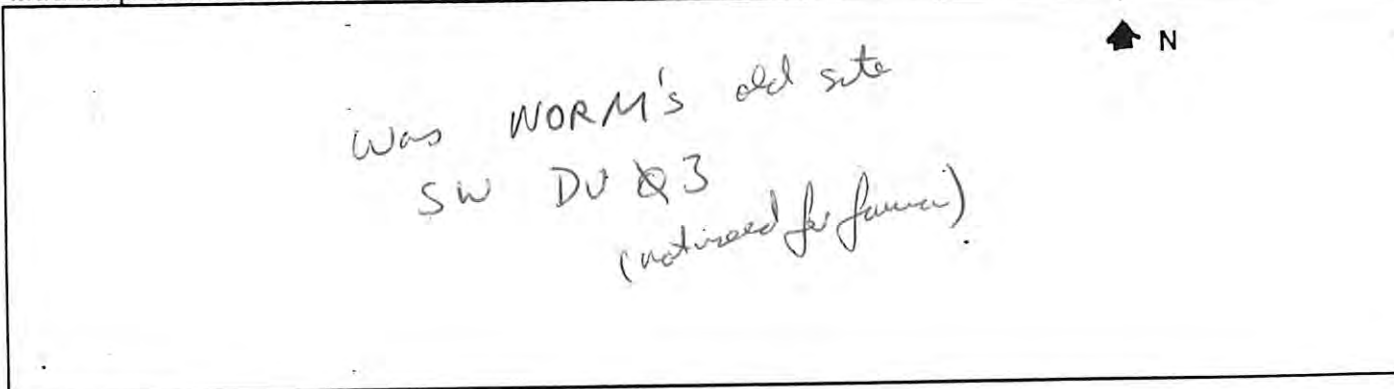
BUSHLAND PLANT SURVEY RECORDING SHEET 1- use pencil only

BUSHLAND AREA DU SITE NUMBER 02 25
 DATE TRIP 3-5-1999 RECORDERS AW/GK/NG
 DATE TRIP 13-10-99 RECORDERS — 11 —
 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.



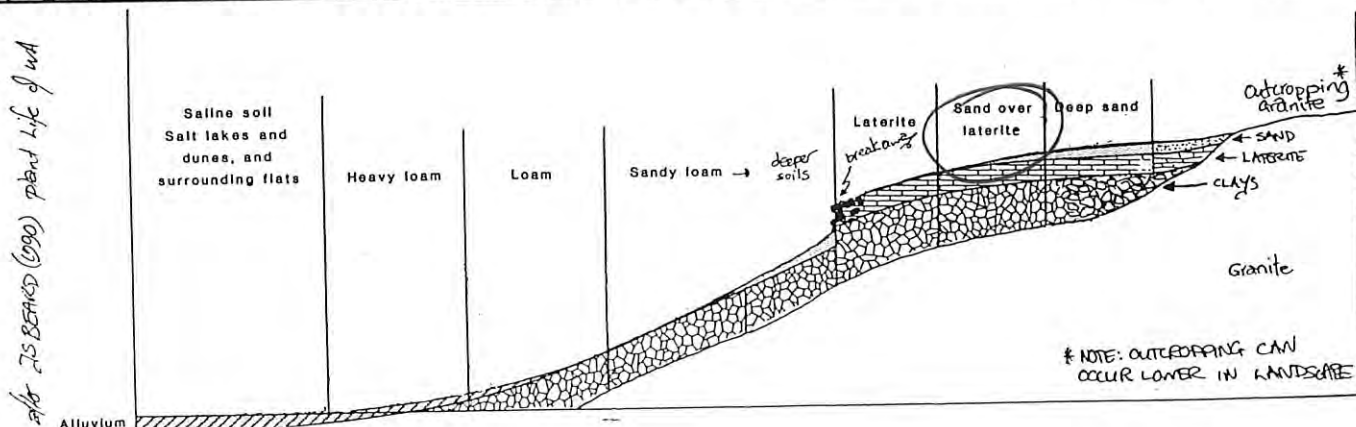
Road Location NORM, DONGOLOCKING NR

Geographic Location Latitude NORM S Longitude _____ E Altitude _____

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

Surface Soil grey sand Colour grey
 Exposed rock type _____ % surface _____

Sub-surface Soil sandy laterite Colour grey
 Rock type laterite depth to rock _____

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

Litter twigs, lvs % cover 50/70 Bare Ground 10/30 %cover
 Depth 2-5 cm

excellent



JOHN DEERE



JOHN DEERE

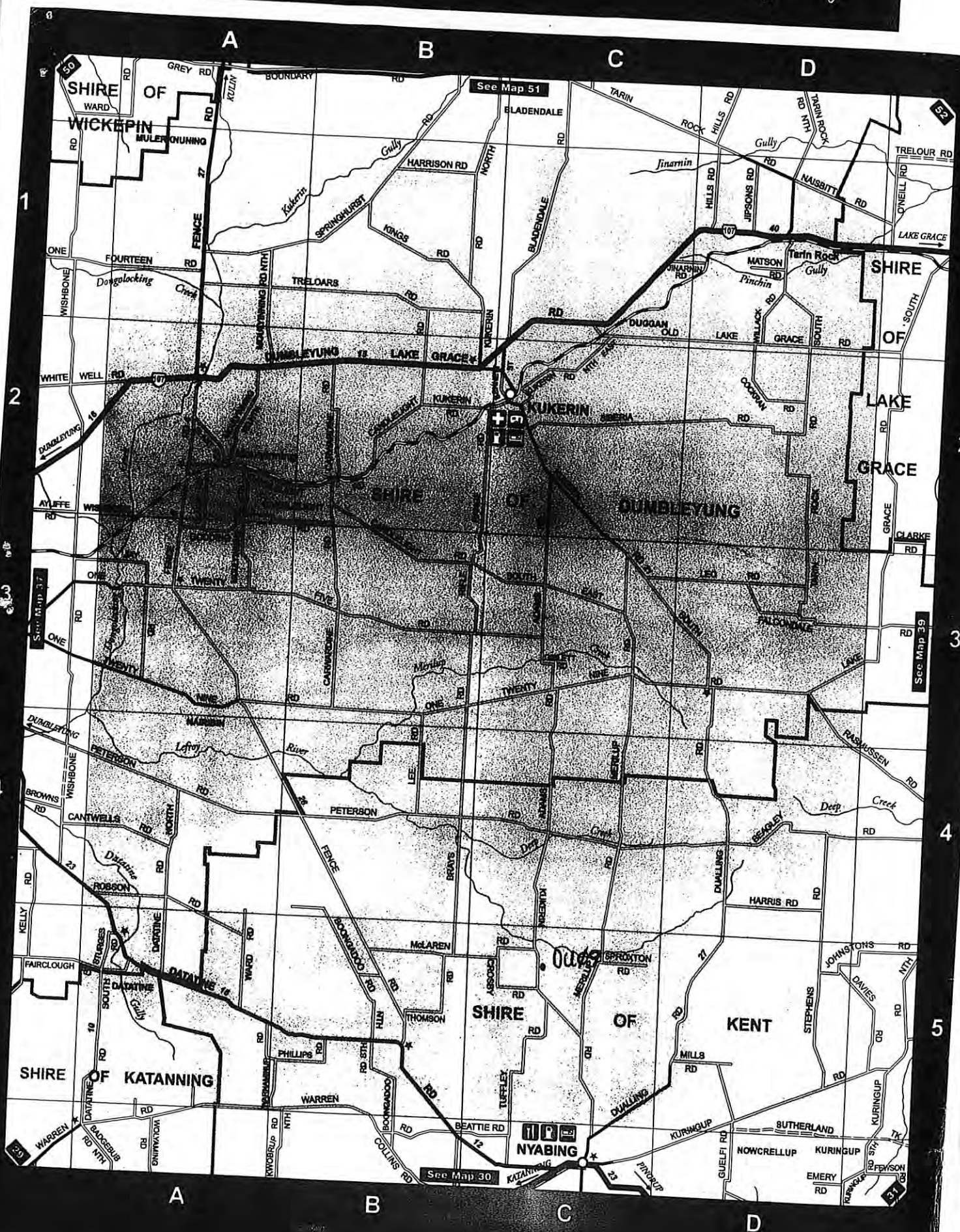
Scale 1 : 250 000

(1cm = 2.5km)

For scale bar see page 14

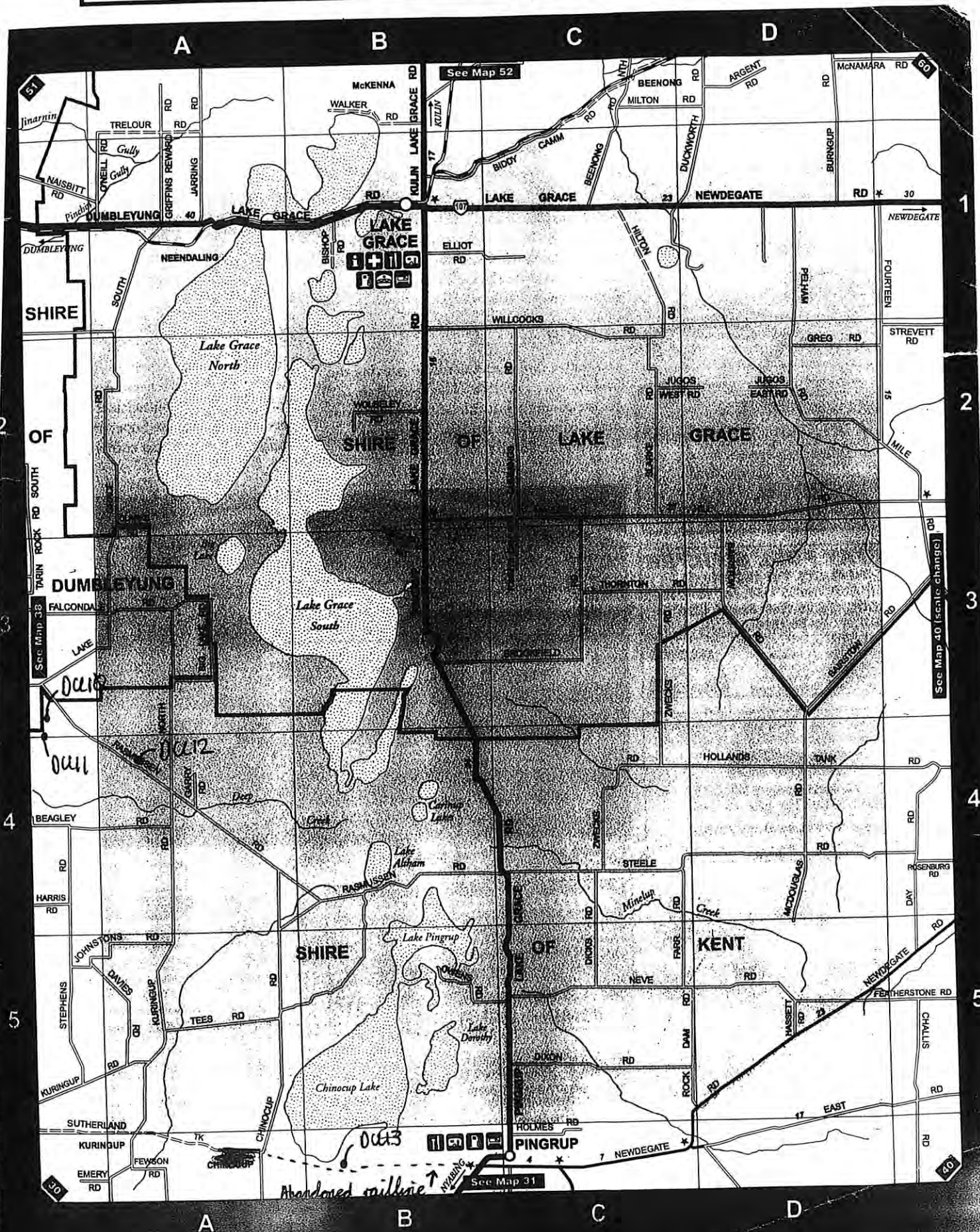


For scale bar see page 14

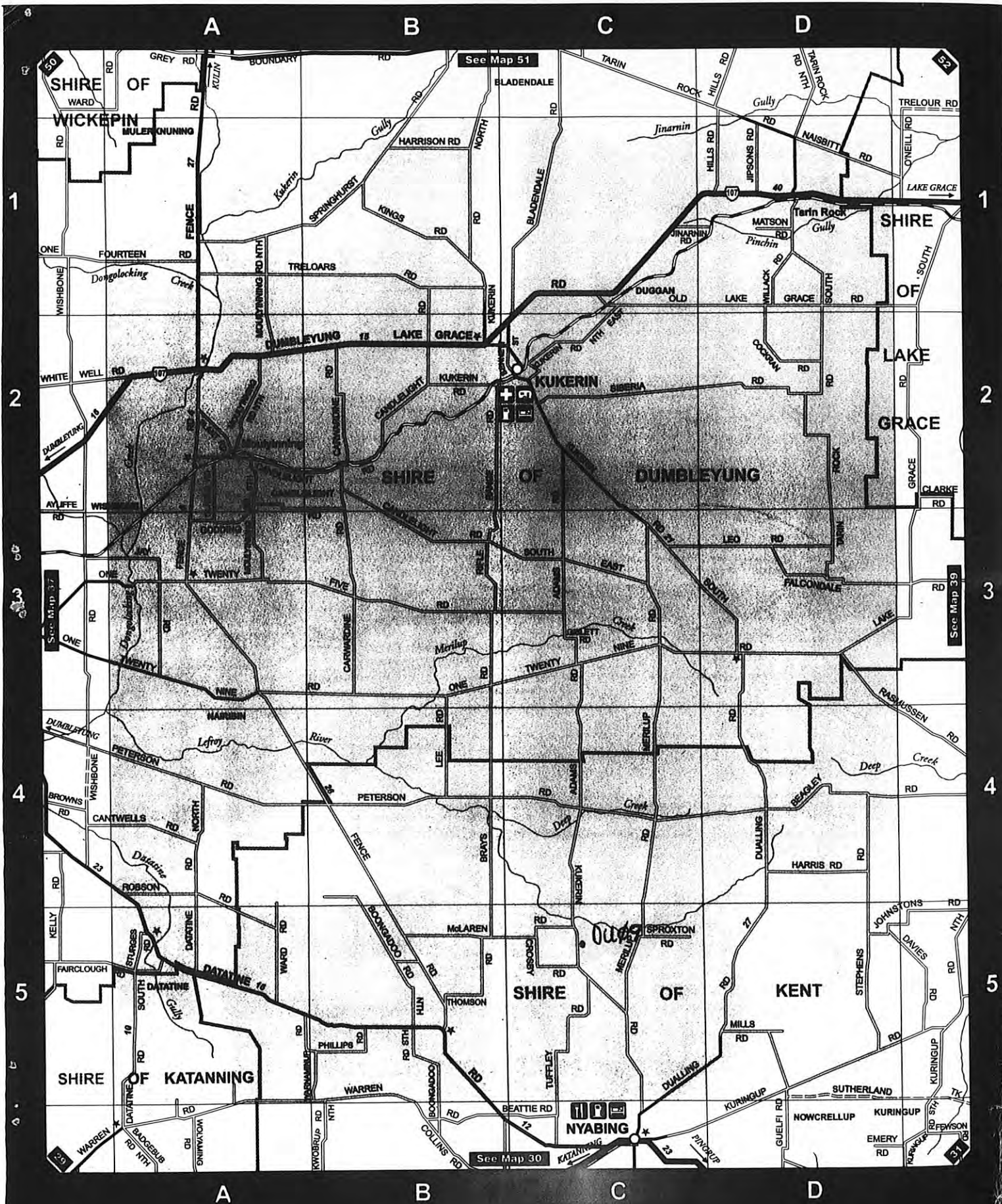


The West is all you need! Phone (09) 482 3111

Scale 1 : 250 000
(1 cm = 2.5 km)
For scale bar see page 14

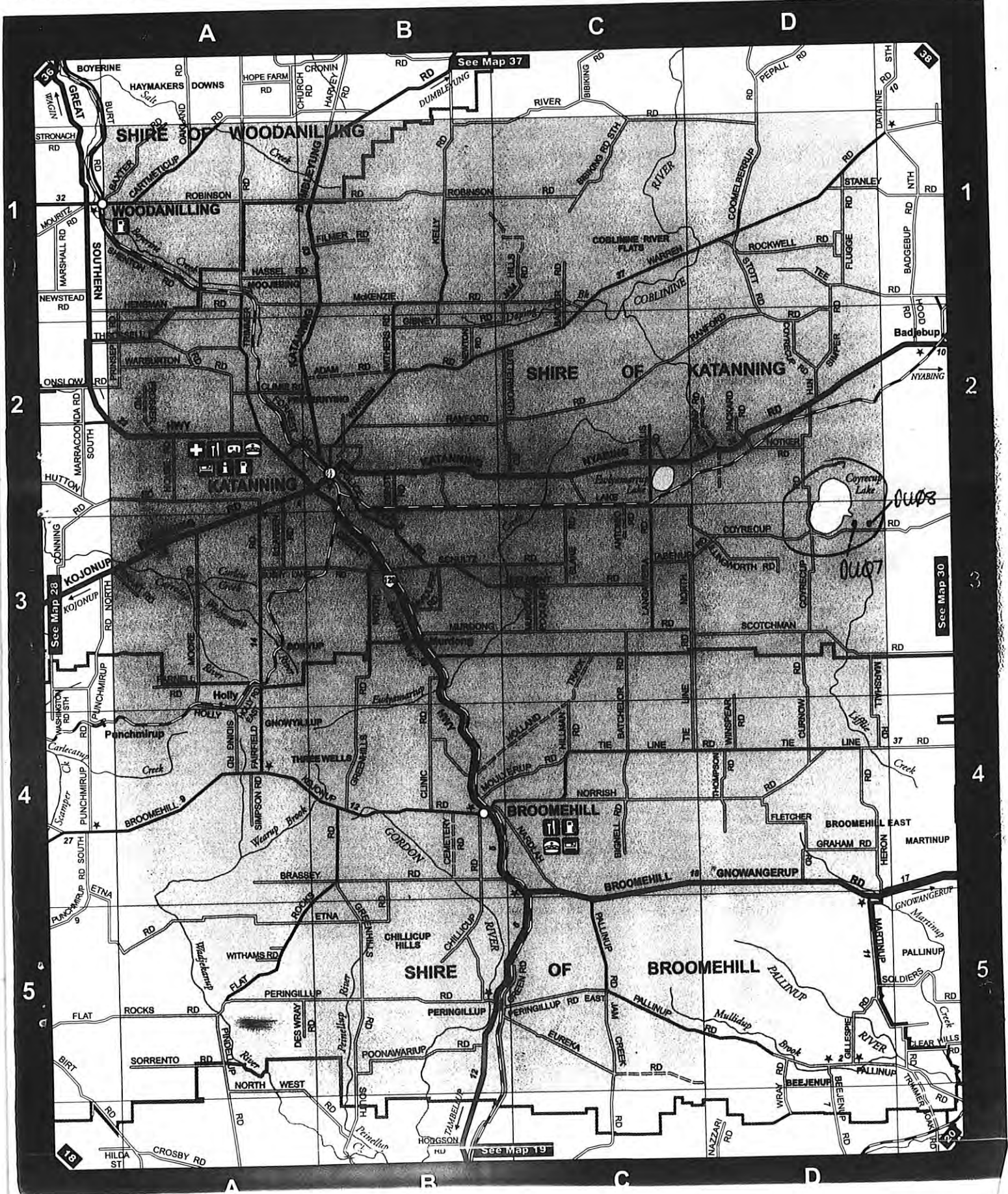


Scale 1: 250 000
(1cm = 2.5km)
For scale bar see page 14



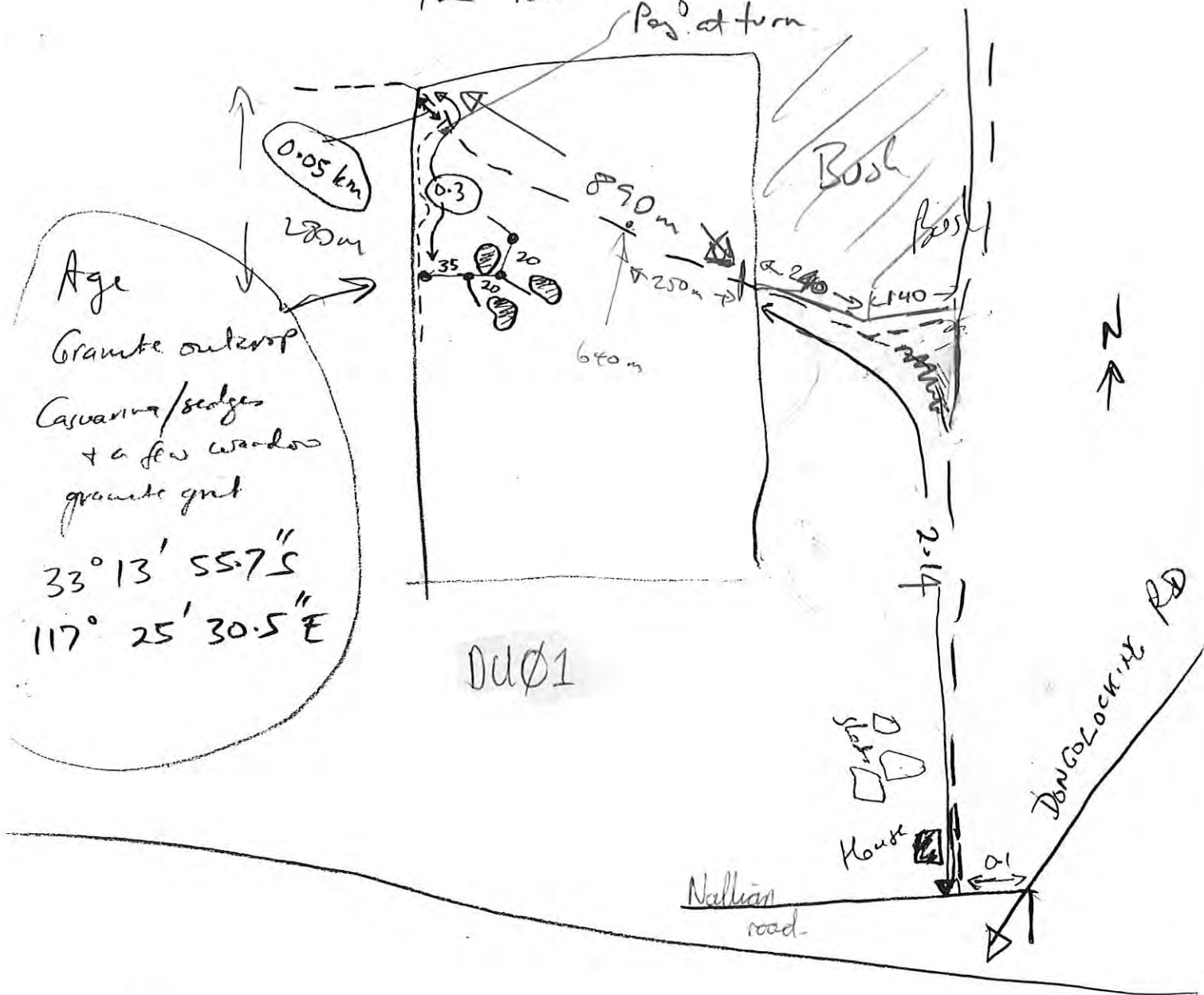
MAP 29

Scale 1 : 250 000
(1cm = 2.5km)
For scale bar see page 14



13/ DUMBLEYUNG SURVEY AREA Nallian Nature Reserve

12 km NE of WAGIN
Pos. at turn



AMG

539611

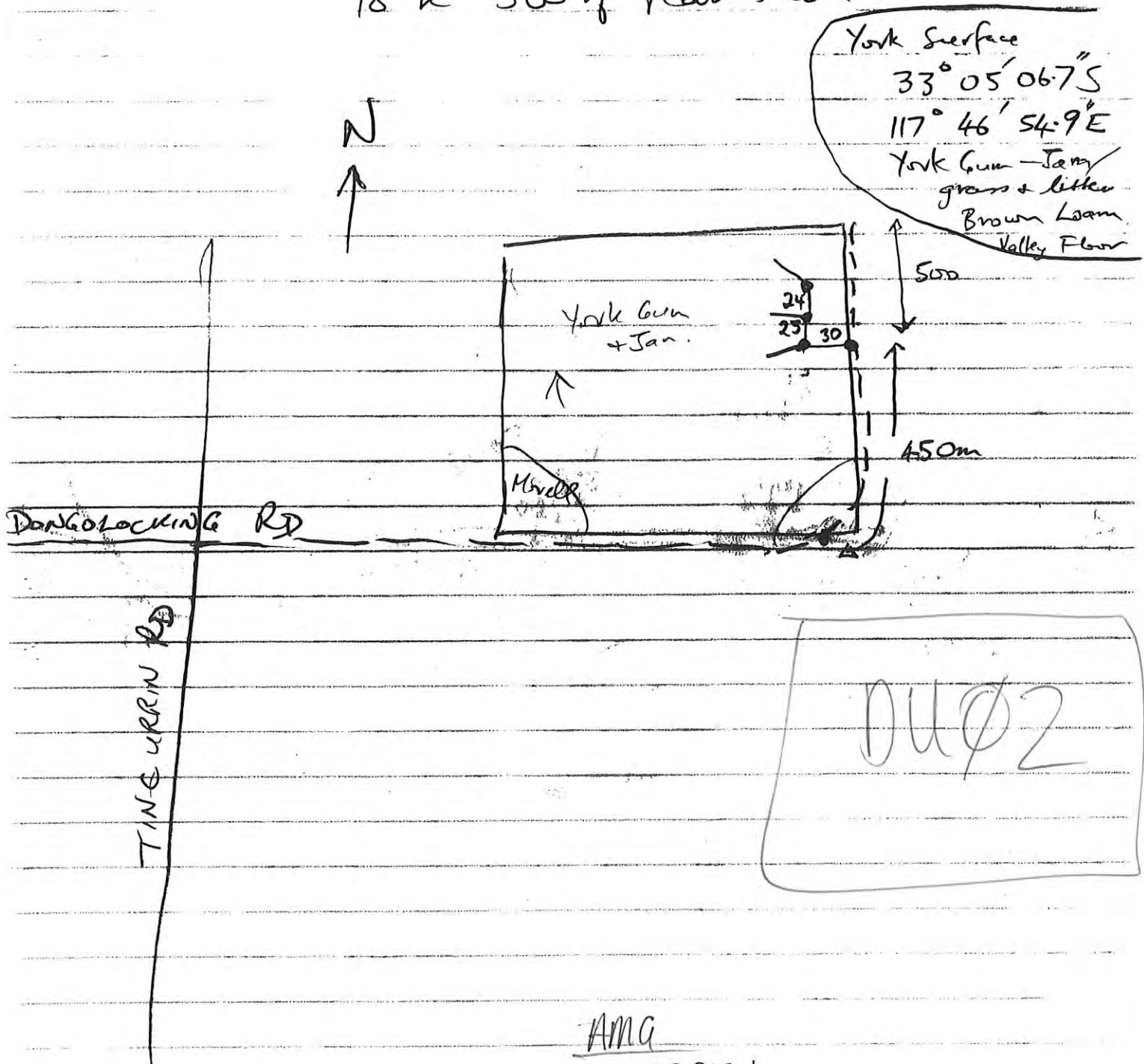
6322884

DUMBLEYUNG SURVEY AREA

New DU2

DONGERLOCKING SPRING RESERVE 126005

18 k SW of Harrisville



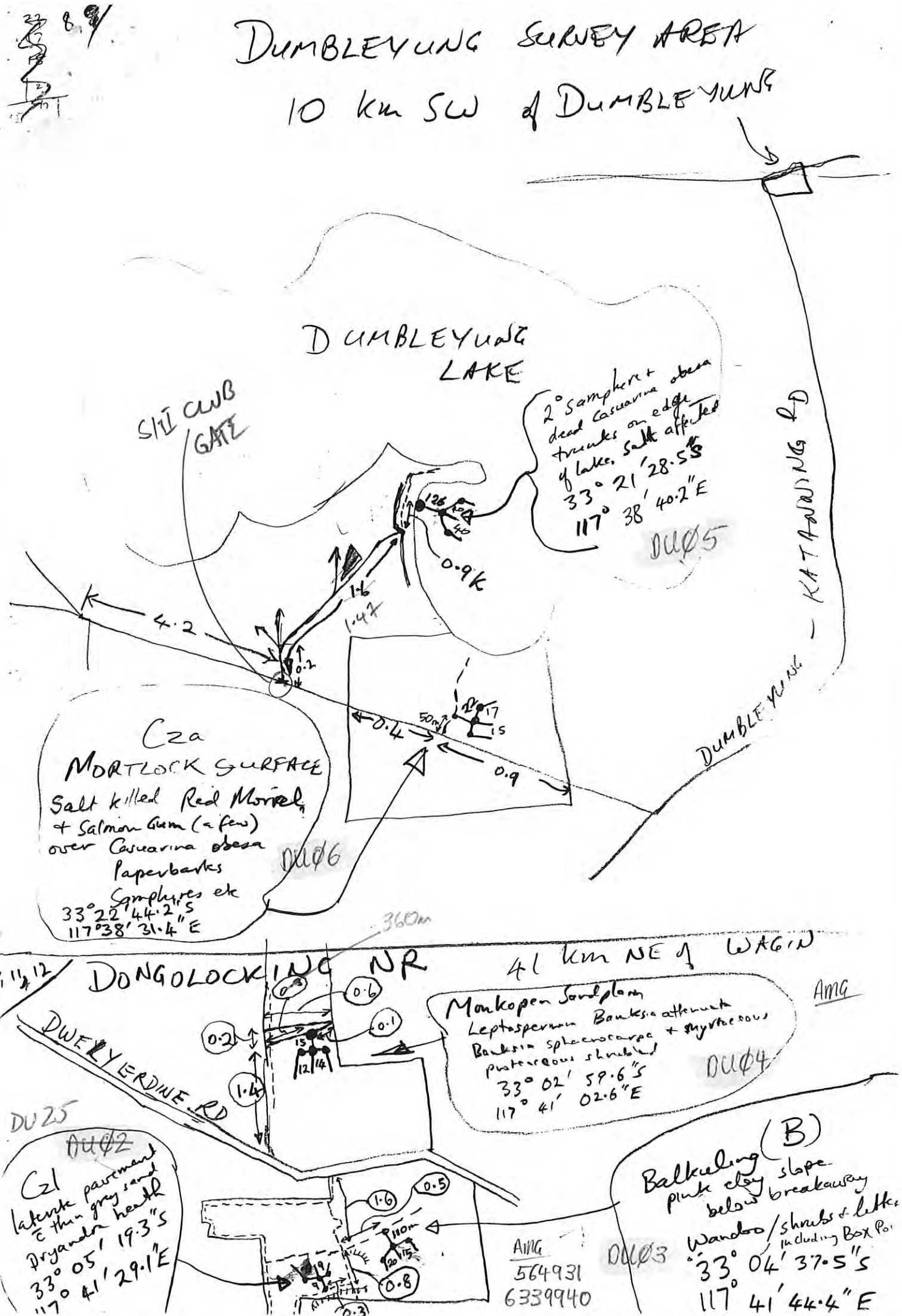
AMG

572974

6338984

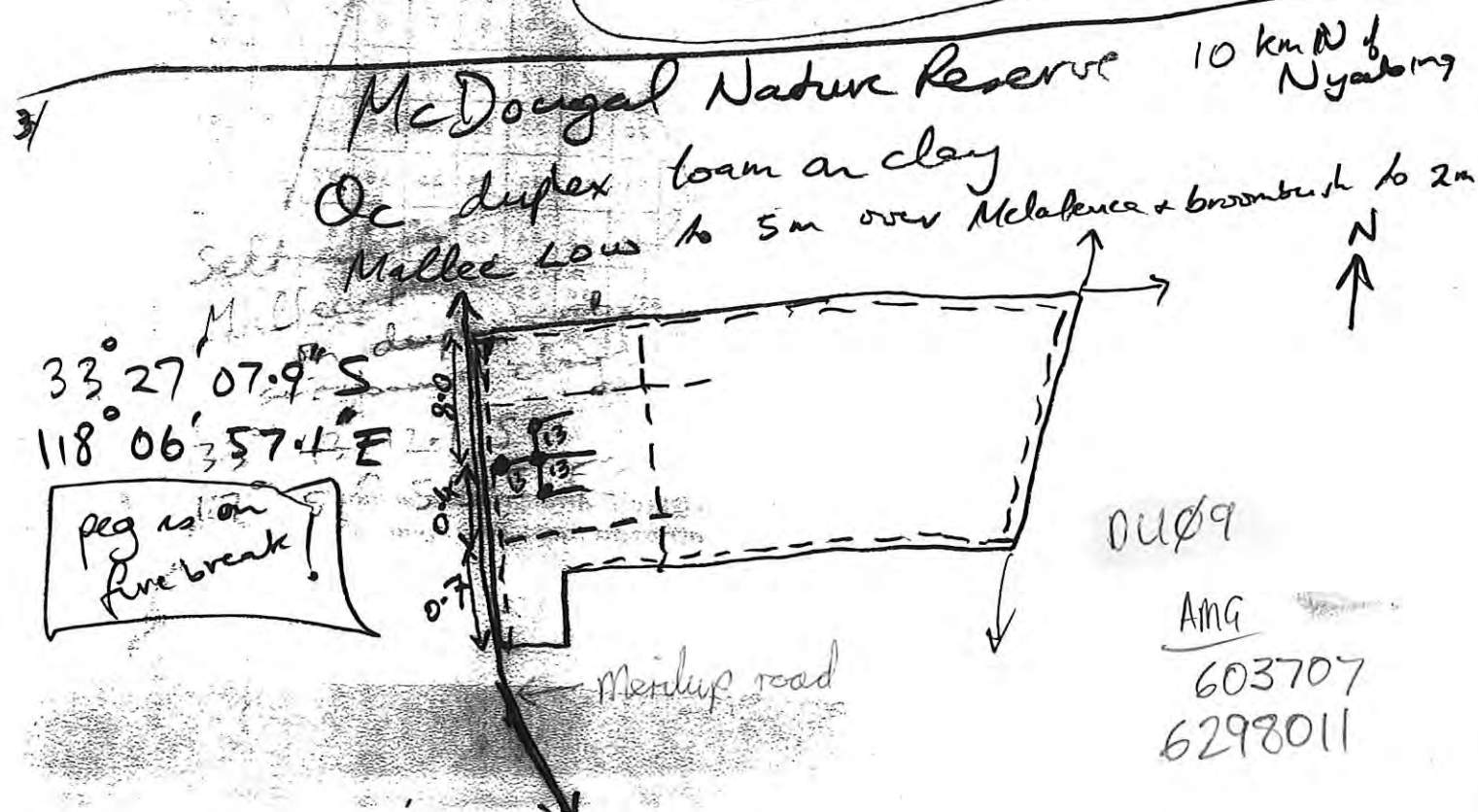
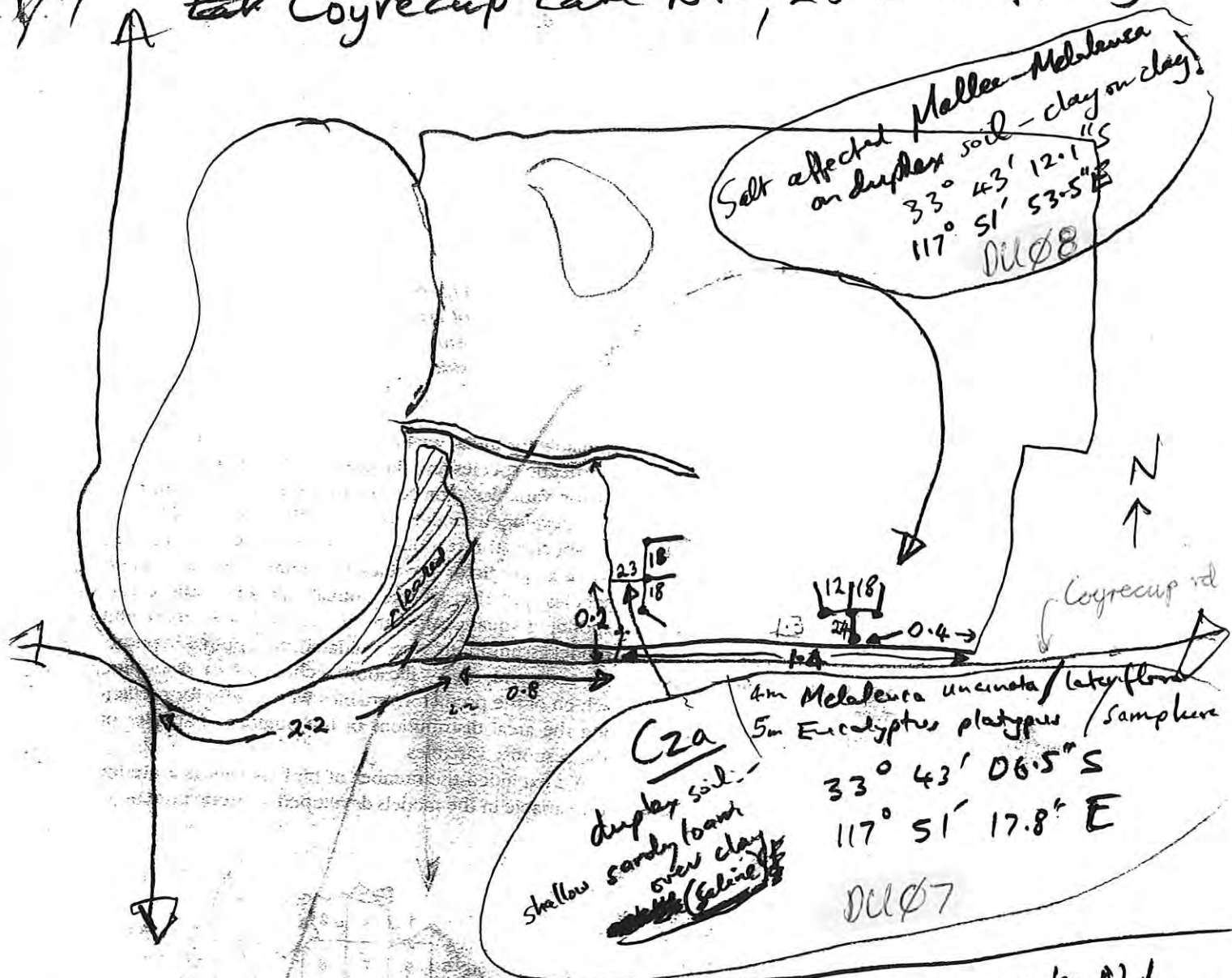
DUMBLEYUNG SURVEY AREA

10 km SW of DUMBLEYUNG



DUMBOYUNG SURVEY ARE

✓4 Coyrecup Lake NR, 26 k East of Katanning



DUMBLEYUNG SURVEY AREA

CHINOCUP LAKE NR 25 k E of Nyabing

N
↑

DUI3

$33^{\circ} 32' 31.4'' S$
 $118^{\circ} 25' 15.1'' E$



Abandoned Railway

Qd: White aeolian sand dunes adjacent to Playa Lake
Mallee/Leptospermum + other myrtaceous/proteaceous shrub

DUI3

0.00
0.80 - d.u.
1.90 - 742
3.80 CS
4.08 E of
4.26 main rd

25 k NNE of Nyabing

Qc (Ang)

Salmon Gum -
E longicornis
(? red morrell)
over letter

$33^{\circ} 20' 09.9'' S$
 $118^{\circ} 15' 34.4'' E$

DUI10

N
↑

← Ramussen rd

peg is on firebreak
K on Qc
Kauving Sandstone
Proteaceous + Myrtaceous
Shrubland
 $33^{\circ} 21' 26.9'' S$
 $118^{\circ} 18' 50.9'' E$
DUI12



Blue Mallet
+ Salmon over Gun
Aphyllus
+ Qc

$33^{\circ} 20' 32.5'' S$
 $118^{\circ} 15' 34.4'' E$

DUI11

NCE11